

# Appendix E

## Conducted RF Output Power

|                                          |
|------------------------------------------|
| Measurement of RF conducted Power        |
| 1 Conducted Power of Main Antenna (Ant0) |
| 1.1 Conducted Power of GSM               |
| 1.2 Conducted Power of WCDMA             |
| 1.3 Conducted Power of LTE               |
| 2 Conducted Power of Main Antenna (Ant1) |
| 2.1 Conducted Power of GSM               |
| 2.2 Conducted Power of WCDMA             |
| 2.3 Conducted Power of LTE               |
| 3 Conducted Power of Main Antenna (Ant3) |
| 3.1 Conducted Power of GSM               |
| 3.2 Conducted Power of WCDMA             |
| 3.3 Conducted Power of LTE               |
| 4 Conducted Power of Main Antenna (Ant4) |
| 4.1 Conducted Power of GSM               |
| 4.2 Conducted Power of WCDMA             |
| 4.3 Conducted Power of LTE               |
| 5 Conducted Power of Main Antenna (Ant5) |
| 5.1 Conducted Power of GSM               |
| 5.2 Conducted Power of WCDMA             |
| 5.3 Conducted Power of LTE               |
| 6 Conducted Power of ENDC_LTE            |
| 6.1 Conducted Power of LTE (Ant0)        |
| 6.2 Conducted Power of LTE (Ant1)        |
| 6.3 Conducted Power of LTE (Ant3)        |
| 6.4 Conducted Power of LTE (Ant4)        |
| 6.5 Conducted Power of LTE (Ant5)        |

|      |                                                |
|------|------------------------------------------------|
| 7    | Conducted Power of of Intra Band LTE Uplink CA |
| 7.1  | Conducted Power of LTE Uplink CA (Ant3)        |
| 7.2  | Conducted Power of LTE Uplink CA (Ant4)        |
| 7.3  | Conducted Power of LTE Uplink CA (Ant5)        |
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| 8.1  | Conducted Power of LTE Downlink CA (Ant0)      |
| 8.2  | Conducted Power of LTE Downlink CA (Ant1)      |
| 8.3  | Conducted Power of LTE Downlink CA (Ant3)      |
| 8.4  | Conducted Power of LTE Downlink CA (Ant4)      |
| 8.5  | Conducted Power of LTE Downlink CA (Ant5)      |
| 9    | Conducted Power of NR SA Antenna               |
| 9.1  | Conducted Power of NR SA Antenna (Ant0)        |
| 9.2  | Conducted Power of NR SA Antenna (Ant1)        |
| 9.3  | Conducted Power of NR SA Antenna (Ant3)        |
| 9.4  | Conducted Power of NR SA Antenna (Ant4)        |
| 9.5  | Conducted Power of NR SA Antenna (Ant5)        |
| 10   | Conducted Power of NR NSA Antenna              |
| 10.1 | Conducted Power of NR NSA Antenna (Ant0)       |
| 10.2 | Conducted Power of NR NSA Antenna (Ant1)       |
| 10.3 | Conducted Power of NR NSA Antenna (Ant3)       |
| 10.4 | Conducted Power of NR NSA Antenna (Ant4)       |
| 10.5 | Conducted Power of NR NSA Antenna (Ant5)       |
| 11   | Conducted Power of WiFi and Bluetooth          |
| 11.1 | Conducted Power of 2.4GWiFi                    |
| 11.2 | Conducted Power of 5GWiFi                      |
| 11.3 | Conducted Power of Bluetooth                   |

Note:

| State   | Trigger Conditions                | Antenna No.  |
|---------|-----------------------------------|--------------|
| State 1 | Receiver off                      | All WWAN Ant |
| State 2 | Receiver on                       | All WWAN Ant |
| State 3 | Receiver off+2.4G WIFI/5G WIFI/BT | All WWAN Ant |
| State 4 | Receiver on+2.4G WIFI/5G WIFI/BT  | All WWAN Ant |



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|         |                                                           |              |
|---------|-----------------------------------------------------------|--------------|
| State 5 | Receiver off+2.4G WIFI+BT/5G<br>WIFI+BT/2.4G WIFI+5G WIFI | All WWAN Ant |
| State 6 | Receiver off+2.4G WIFI+BT/5G<br>WIFI+BT/2.4G WIFI+5G WIFI | All WWAN Ant |

## Measurement of RF conducted Power

### 1 Conducted Power of Main Antenna (Ant0)

#### 1.1 Conducted Power of GSM

| GSM 850 State1/2/3/4/5/6 |            |       |       |       |         |                  |                                 |       |       |         |
|--------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)  |            |       |       |       |         | Division Factors | Frame-Average Output Power(dBm) |       |       |         |
| Channel                  |            | 128   | 190   | 251   | Tune up |                  | 128                             | 190   | 251   | Tune up |
| GSM(GMSK)                | GSM        | 32.71 | 32.70 | 32.54 | 33.00   | -9.19            | 23.52                           | 23.51 | 23.35 | 23.81   |
| GPRS<br>(GMSK)           | 1 TX Slot  | 32.72 | 32.71 | 32.55 | 33.00   | -9.19            | 23.53                           | 23.52 | 23.36 | 23.81   |
|                          | 2 TX Slots | 30.29 | 30.29 | 30.14 | 31.00   | -6.18            | 24.11                           | 24.11 | 23.96 | 24.82   |
|                          | 3 TX Slots | 28.27 | 28.31 | 28.16 | 29.00   | -4.42            | 23.85                           | 23.89 | 23.74 | 24.58   |
|                          | 4 TX Slots | 27.08 | 27.65 | 27.52 | 28.00   | -3.17            | 23.91                           | 24.48 | 24.35 | 24.83   |
| EGPRS<br>(GMSK)          | 1 TX Slot  | 32.72 | 32.71 | 32.55 | 33.00   | -9.19            | 23.53                           | 23.52 | 23.36 | 23.81   |
|                          | 2 TX Slots | 30.28 | 30.30 | 30.14 | 31.00   | -6.18            | 24.10                           | 24.12 | 23.96 | 24.82   |
|                          | 3 TX Slots | 28.27 | 28.31 | 28.16 | 29.00   | -4.42            | 23.85                           | 23.89 | 23.74 | 24.58   |
|                          | 4 TX Slots | 27.62 | 27.64 | 27.52 | 28.00   | -3.17            | 24.45                           | 24.47 | 24.35 | 24.83   |
| EGPRS<br>(8PSK)          | 1 TX Slot  | 27.35 | 27.38 | 27.47 | 27.50   | -9.19            | 18.16                           | 18.19 | 18.28 | 18.31   |
|                          | 2 TX Slots | 24.53 | 24.63 | 24.58 | 26.00   | -6.18            | 18.35                           | 18.45 | 18.40 | 19.82   |
|                          | 3 TX Slots | 22.77 | 22.75 | 22.81 | 23.00   | -4.42            | 18.35                           | 18.33 | 18.39 | 18.58   |
|                          | 4 TX Slots | 21.80 | 21.84 | 21.81 | 22.50   | -3.17            | 18.63                           | 18.67 | 18.64 | 19.33   |

#### 1.2 Conducted Power of WCDMA

| WCDMA Band V State1/2/3/4/5/6 |              |       |       |       |         |
|-------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel                       |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                         | 12.2kbps RMC | 23.85 | 23.78 | 23.80 | 24.30   |
|                               | 12.2kbps AMR | 23.80 | 23.77 | 23.79 | 24.30   |
| HSDPA                         | Subtest 1    | 22.90 | 22.83 | 22.85 | 23.30   |
|                               | Subtest 2    | 22.90 | 22.82 | 22.83 | 23.30   |
|                               | Subtest 3    | 22.42 | 22.35 | 22.36 | 22.80   |
|                               | Subtest 4    | 22.37 | 22.30 | 22.33 | 22.80   |
| HSUPA                         | Subtest 1    | 21.17 | 21.27 | 21.29 | 21.30   |
|                               | Subtest 2    | 19.66 | 19.76 | 19.78 | 19.80   |
|                               | Subtest 3    | 20.66 | 20.79 | 20.80 | 20.80   |
|                               | Subtest 4    | 19.66 | 19.78 | 19.79 | 19.80   |
|                               | Subtest 5    | 22.67 | 22.79 | 22.78 | 22.80   |
| DC-HSDPA                      | Subtest 1    | 22.85 | 22.73 | 22.80 | 23.30   |
|                               | Subtest 2    | 22.81 | 22.75 | 22.73 | 23.30   |
|                               | Subtest 3    | 22.37 | 22.26 | 22.28 | 22.80   |
|                               | Subtest 4    | 22.31 | 22.25 | 22.27 | 22.80   |
| HSPA+                         | 16QAM        | 19.60 | 19.57 | 19.68 | 20.80   |

### 1.3 Conducted Power of LTE

| LTE Band 5 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                      | QPSK       | 1       | 0         | 23.84                | 23.85   | 23.84   | 24.30   |
|                             |            | 1       | 2         | 23.85                | 23.85   | 23.87   | 24.30   |
|                             |            | 1       | 5         | 23.85                | 23.81   | 23.86   | 24.30   |
|                             |            | 3       | 0         | 23.85                | 23.83   | 23.86   | 24.30   |
|                             |            | 3       | 2         | 23.87                | 23.86   | 23.90   | 24.30   |
|                             |            | 3       | 3         | 23.88                | 23.82   | 23.91   | 24.30   |
|                             |            | 6       | 0         | 22.86                | 22.84   | 22.87   | 23.30   |
|                             | 16QAM      | 1       | 0         | 23.04                | 23.00   | 22.99   | 23.30   |
|                             |            | 1       | 2         | 23.02                | 22.99   | 22.99   | 23.30   |
|                             |            | 1       | 5         | 23.03                | 22.98   | 22.98   | 23.30   |
|                             |            | 3       | 0         | 22.87                | 22.95   | 22.91   | 23.30   |
|                             |            | 3       | 2         | 22.91                | 22.91   | 22.92   | 23.30   |
|                             |            | 3       | 3         | 22.88                | 22.85   | 22.92   | 23.30   |
|                             |            | 6       | 0         | 21.83                | 21.82   | 21.86   | 22.30   |
|                             | 64QAM      | 1       | 0         | 22.07                | 22.00   | 21.99   | 22.30   |
|                             |            | 1       | 2         | 21.98                | 22.02   | 22.04   | 22.30   |
|                             |            | 1       | 5         | 22.02                | 21.94   | 21.96   | 22.30   |
|                             |            | 3       | 0         | 21.87                | 21.98   | 21.94   | 22.30   |
|                             |            | 3       | 2         | 21.96                | 21.89   | 21.96   | 22.30   |
|                             |            | 3       | 3         | 21.89                | 21.87   | 21.95   | 22.30   |
|                             |            | 6       | 0         | 20.88                | 20.86   | 20.90   | 21.30   |
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                        | QPSK       | 1       | 0         | 23.78                | 23.79   | 23.72   | 24.30   |
|                             |            | 1       | 7         | 23.79                | 23.83   | 23.77   | 24.30   |
|                             |            | 1       | 14        | 23.82                | 23.75   | 23.79   | 24.30   |
|                             |            | 8       | 0         | 22.75                | 22.70   | 22.76   | 23.30   |
|                             |            | 8       | 4         | 22.80                | 22.71   | 22.75   | 23.30   |
|                             |            | 8       | 7         | 22.73                | 22.75   | 22.78   | 23.30   |
|                             |            | 15      | 0         | 22.76                | 22.82   | 22.75   | 23.30   |
|                             | 16QAM      | 1       | 0         | 22.91                | 22.89   | 22.87   | 23.30   |
|                             |            | 1       | 7         | 22.93                | 22.89   | 22.88   | 23.30   |
|                             |            | 1       | 14        | 22.94                | 22.87   | 22.93   | 23.30   |
|                             |            | 8       | 0         | 21.79                | 21.75   | 21.75   | 22.30   |
|                             |            | 8       | 4         | 21.76                | 21.73   | 21.76   | 22.30   |
|                             |            | 8       | 7         | 21.77                | 21.74   | 21.78   | 22.30   |
|                             |            | 15      | 0         | 21.80                | 21.70   | 21.72   | 22.30   |
|                             | 64QAM      | 1       | 0         | 21.91                | 21.94   | 21.84   | 22.30   |
|                             |            | 1       | 7         | 21.93                | 21.91   | 21.86   | 22.30   |
|                             |            | 1       | 14        | 21.96                | 21.88   | 21.90   | 22.30   |
|                             |            | 8       | 0         | 20.75                | 20.78   | 20.76   | 21.30   |
|                             |            | 8       | 4         | 20.78                | 20.69   | 20.75   | 21.30   |

|           |            | 8       | 7         | 20.72   | 20.82   | 20.72   | 21.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 20.77   | 20.70   | 20.75   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.75   | 23.76   | 23.71   | 24.30   |
|           |            | 1       | 13        | 23.80   | 23.81   | 23.79   | 24.30   |
|           |            | 1       | 24        | 23.79   | 23.73   | 23.79   | 24.30   |
|           |            | 12      | 0         | 22.75   | 22.73   | 22.74   | 23.30   |
|           |            | 12      | 6         | 22.79   | 22.72   | 22.75   | 23.30   |
|           |            | 12      | 13        | 22.69   | 22.74   | 22.76   | 23.30   |
|           |            | 25      | 0         | 22.74   | 22.80   | 22.73   | 23.30   |
|           | 16QAM      | 1       | 0         | 22.91   | 22.88   | 22.84   | 23.30   |
|           |            | 1       | 13        | 22.93   | 22.90   | 22.87   | 23.30   |
|           |            | 1       | 24        | 22.99   | 22.91   | 22.92   | 23.30   |
|           |            | 12      | 0         | 21.79   | 21.75   | 21.80   | 22.30   |
|           |            | 12      | 6         | 21.76   | 21.74   | 21.76   | 22.30   |
|           |            | 12      | 13        | 21.77   | 21.77   | 21.77   | 22.30   |
|           |            | 25      | 0         | 21.77   | 21.71   | 21.71   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.89   | 21.94   | 21.82   | 22.30   |
|           |            | 1       | 13        | 21.91   | 21.90   | 21.81   | 22.30   |
|           |            | 1       | 24        | 21.95   | 21.83   | 21.93   | 22.30   |
|           |            | 12      | 0         | 20.70   | 20.79   | 20.77   | 21.30   |
|           |            | 12      | 6         | 20.77   | 20.70   | 20.74   | 21.30   |
|           |            | 12      | 13        | 20.74   | 20.80   | 20.71   | 21.30   |
|           |            | 25      | 0         | 20.79   | 20.71   | 20.70   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.83   | 23.85   | 23.80   | 24.30   |
|           |            | 1       | 25        | 23.89   | 23.90   | 23.89   | 24.30   |
|           |            | 1       | 49        | 23.87   | 23.81   | 23.86   | 24.30   |
|           |            | 25      | 0         | 22.81   | 22.80   | 22.84   | 23.30   |
|           |            | 25      | 13        | 22.85   | 22.86   | 22.85   | 23.30   |
|           |            | 25      | 25        | 22.79   | 22.80   | 22.83   | 23.30   |
|           |            | 50      | 0         | 22.82   | 22.89   | 22.82   | 23.30   |
|           | 16QAM      | 1       | 0         | 22.98   | 22.96   | 22.93   | 23.30   |
|           |            | 1       | 25        | 22.98   | 22.98   | 22.95   | 23.30   |
|           |            | 1       | 49        | 23.04   | 22.97   | 22.98   | 23.30   |
|           |            | 25      | 0         | 21.84   | 21.84   | 21.85   | 22.30   |
|           |            | 25      | 13        | 21.84   | 21.79   | 21.85   | 22.30   |
|           |            | 25      | 25        | 21.83   | 21.84   | 21.83   | 22.30   |
|           |            | 50      | 0         | 21.85   | 21.79   | 21.81   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.99   | 22.00   | 21.91   | 22.30   |
|           |            | 1       | 25        | 21.98   | 21.98   | 21.91   | 22.30   |
|           |            | 1       | 49        | 22.01   | 21.93   | 21.98   | 22.30   |
|           |            | 25      | 0         | 20.80   | 20.85   | 20.85   | 21.30   |
|           |            | 25      | 13        | 20.86   | 20.76   | 20.83   | 21.30   |
|           |            | 25      | 25        | 20.79   | 20.87   | 20.78   | 21.30   |

|  |  |    |   |       |       |       |       |
|--|--|----|---|-------|-------|-------|-------|
|  |  | 50 | 0 | 20.84 | 20.76 | 20.80 | 21.30 |
|--|--|----|---|-------|-------|-------|-------|

| LTE FDD Band 12 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                           | QPSK       | 1       | 0         | 22.83                | 22.78   | 22.85   | 23.30   |
|                                  |            | 1       | 2         | 22.84                | 22.85   | 22.77   | 23.30   |
|                                  |            | 1       | 5         | 22.81                | 22.78   | 22.77   | 23.30   |
|                                  |            | 3       | 0         | 22.82                | 22.79   | 22.82   | 23.30   |
|                                  |            | 3       | 2         | 22.82                | 22.83   | 22.82   | 23.30   |
|                                  |            | 3       | 3         | 22.81                | 22.77   | 22.76   | 23.30   |
|                                  |            | 6       | 0         | 21.94                | 21.75   | 21.76   | 22.30   |
|                                  | 16QAM      | 1       | 0         | 22.00                | 21.91   | 21.91   | 22.30   |
|                                  |            | 1       | 2         | 22.01                | 21.92   | 21.92   | 22.30   |
|                                  |            | 1       | 5         | 21.83                | 21.95   | 21.84   | 22.30   |
|                                  |            | 3       | 0         | 21.86                | 21.76   | 21.80   | 22.30   |
|                                  |            | 3       | 2         | 21.87                | 21.74   | 21.76   | 22.30   |
|                                  |            | 3       | 3         | 21.84                | 21.75   | 21.67   | 22.30   |
|                                  |            | 6       | 0         | 20.88                | 20.71   | 20.69   | 21.30   |
|                                  | 64QAM      | 1       | 0         | 20.95                | 20.91   | 20.97   | 21.30   |
|                                  |            | 1       | 2         | 20.97                | 20.95   | 20.99   | 21.30   |
|                                  |            | 1       | 5         | 20.83                | 20.95   | 20.77   | 21.30   |
|                                  |            | 3       | 0         | 20.87                | 20.76   | 20.76   | 21.30   |
|                                  |            | 3       | 2         | 20.85                | 20.75   | 20.70   | 21.30   |
|                                  |            | 3       | 3         | 20.83                | 20.71   | 20.69   | 21.30   |
|                                  |            | 6       | 0         | 19.84                | 19.70   | 19.65   | 20.30   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz                             | QPSK       | 1       | 0         | 22.80                | 22.75   | 22.85   | 23.30   |
|                                  |            | 1       | 7         | 22.83                | 22.83   | 22.81   | 23.30   |
|                                  |            | 1       | 14        | 22.77                | 22.80   | 22.79   | 23.30   |
|                                  |            | 8       | 0         | 21.84                | 21.75   | 21.78   | 22.30   |
|                                  |            | 8       | 4         | 21.82                | 21.72   | 21.75   | 22.30   |
|                                  |            | 8       | 7         | 21.84                | 21.76   | 21.70   | 22.30   |
|                                  |            | 15      | 0         | 21.94                | 21.77   | 21.78   | 22.30   |
|                                  | 16QAM      | 1       | 0         | 22.00                | 21.87   | 21.93   | 22.30   |
|                                  |            | 1       | 7         | 21.97                | 21.93   | 21.92   | 22.30   |
|                                  |            | 1       | 14        | 21.87                | 21.90   | 21.79   | 22.30   |
|                                  |            | 8       | 0         | 20.90                | 20.76   | 20.76   | 21.30   |
|                                  |            | 8       | 4         | 20.87                | 20.74   | 20.69   | 21.30   |
|                                  |            | 8       | 7         | 20.83                | 20.73   | 20.65   | 21.30   |
|                                  |            | 15      | 0         | 20.89                | 20.69   | 20.72   | 21.30   |
|                                  | 64QAM      | 1       | 0         | 20.95                | 20.94   | 21.00   | 21.30   |
|                                  |            | 1       | 7         | 20.92                | 20.91   | 20.99   | 21.30   |
|                                  |            | 1       | 14        | 20.78                | 20.98   | 20.79   | 21.30   |
|                                  |            | 8       | 0         | 19.86                | 19.76   | 19.74   | 20.30   |

|           |            | 8       | 4         | 19.89   | 19.70   | 19.69   | 20.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 19.86   | 19.69   | 19.66   | 20.30   |
|           |            | 15      | 0         | 19.84   | 19.70   | 19.68   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.82   | 22.75   | 22.81   | 23.30   |
|           |            | 1       | 13        | 22.82   | 22.85   | 22.80   | 23.30   |
|           |            | 1       | 24        | 22.79   | 22.77   | 22.78   | 23.30   |
|           |            | 12      | 0         | 21.83   | 21.76   | 21.77   | 22.30   |
|           |            | 12      | 6         | 21.85   | 21.71   | 21.77   | 22.30   |
|           |            | 12      | 13        | 21.84   | 21.77   | 21.68   | 22.30   |
|           |            | 25      | 0         | 21.92   | 21.75   | 21.73   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.98   | 21.92   | 21.95   | 22.30   |
|           |            | 1       | 13        | 21.98   | 21.92   | 21.92   | 22.30   |
|           |            | 1       | 24        | 21.83   | 21.94   | 21.84   | 22.30   |
|           |            | 12      | 0         | 20.89   | 20.78   | 20.75   | 21.30   |
|           |            | 12      | 6         | 20.84   | 20.73   | 20.66   | 21.30   |
|           |            | 12      | 13        | 20.80   | 20.73   | 20.68   | 21.30   |
|           |            | 25      | 0         | 20.89   | 20.68   | 20.72   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.95   | 20.90   | 21.01   | 21.30   |
|           |            | 1       | 13        | 20.92   | 20.92   | 20.98   | 21.30   |
|           |            | 1       | 24        | 20.82   | 20.97   | 20.81   | 21.30   |
|           |            | 12      | 0         | 19.84   | 19.74   | 19.71   | 20.30   |
|           |            | 12      | 6         | 19.90   | 19.68   | 19.73   | 20.30   |
|           |            | 12      | 13        | 19.83   | 19.67   | 19.70   | 20.30   |
|           |            | 25      | 0         | 19.87   | 19.74   | 19.70   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.89   | 22.84   | 22.89   | 23.30   |
|           |            | 1       | 25        | 22.91   | 22.91   | 22.90   | 23.30   |
|           |            | 1       | 49        | 22.86   | 22.85   | 22.85   | 23.30   |
|           |            | 25      | 0         | 21.93   | 21.85   | 21.86   | 22.30   |
|           |            | 25      | 13        | 21.92   | 21.81   | 21.82   | 22.30   |
|           |            | 25      | 25        | 21.92   | 21.93   | 21.90   | 22.30   |
|           |            | 50      | 0         | 22.00   | 21.85   | 21.83   | 22.30   |
|           | 16QAM      | 1       | 0         | 22.08   | 21.97   | 22.01   | 22.30   |
|           |            | 1       | 25        | 22.06   | 22.00   | 22.00   | 22.30   |
|           |            | 1       | 49        | 21.92   | 22.00   | 21.89   | 22.30   |
|           |            | 25      | 0         | 20.95   | 20.86   | 20.85   | 21.30   |
|           |            | 25      | 13        | 20.92   | 20.83   | 20.76   | 21.30   |
|           |            | 25      | 25        | 20.89   | 20.80   | 20.75   | 21.30   |
|           |            | 50      | 0         | 20.95   | 20.78   | 20.77   | 21.30   |
|           | 64QAM      | 1       | 0         | 21.03   | 20.99   | 21.06   | 21.30   |
|           |            | 1       | 25        | 21.02   | 21.00   | 21.05   | 21.30   |
|           |            | 1       | 49        | 20.88   | 21.03   | 20.86   | 21.30   |
|           |            | 25      | 0         | 19.93   | 19.82   | 19.80   | 20.30   |
|           |            | 25      | 13        | 19.96   | 19.78   | 19.79   | 20.30   |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 25 | 25 | 19.92 | 19.77 | 19.75 | 20.30 |
|  |  | 50 | 0  | 19.94 | 19.79 | 19.75 | 20.30 |

| LTE FDD Band 13 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23205                | 23230   | 23255   |         |
| 5MHz                             | QPSK       | 1       | 0         | 22.83                | 22.76   | 22.85   | 23.30   |
|                                  |            | 1       | 13        | 22.82                | 22.83   | 22.82   | 23.30   |
|                                  |            | 1       | 24        | 22.81                | 22.76   | 22.78   | 23.30   |
|                                  |            | 12      | 0         | 21.86                | 21.76   | 21.81   | 22.30   |
|                                  |            | 12      | 6         | 21.84                | 21.71   | 21.74   | 22.30   |
|                                  |            | 12      | 13        | 21.84                | 21.80   | 21.65   | 22.30   |
|                                  |            | 25      | 0         | 21.94                | 21.78   | 21.73   | 22.30   |
|                                  | 16QAM      | 1       | 0         | 22.00                | 21.92   | 21.93   | 22.30   |
|                                  |            | 1       | 13        | 22.01                | 21.90   | 21.91   | 22.30   |
|                                  |            | 1       | 24        | 21.84                | 21.91   | 21.80   | 22.30   |
|                                  |            | 12      | 0         | 20.90                | 20.77   | 20.79   | 21.30   |
|                                  |            | 12      | 6         | 20.86                | 20.77   | 20.68   | 21.30   |
|                                  |            | 12      | 13        | 20.84                | 20.71   | 20.68   | 21.30   |
|                                  |            | 25      | 0         | 20.88                | 20.68   | 20.70   | 21.30   |
|                                  | 64QAM      | 1       | 0         | 20.97                | 20.93   | 20.98   | 21.30   |
|                                  |            | 1       | 13        | 20.92                | 20.90   | 20.96   | 21.30   |
|                                  |            | 1       | 24        | 20.83                | 20.95   | 20.76   | 21.30   |
|                                  |            | 12      | 0         | 19.87                | 19.73   | 19.71   | 20.30   |
|                                  |            | 12      | 6         | 19.88                | 19.70   | 19.73   | 20.30   |
|                                  |            | 12      | 13        | 19.85                | 19.71   | 19.70   | 20.30   |
|                                  |            | 25      | 0         | 19.87                | 19.74   | 19.69   | 20.30   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | /                    | 23230   | /       |         |
| 10MHz                            | QPSK       | 1       | 0         | /                    | 22.93   | /       | 23.30   |
|                                  |            | 1       | 25        | /                    | 22.89   | /       | 23.30   |
|                                  |            | 1       | 49        | /                    | 22.82   | /       | 23.30   |
|                                  |            | 25      | 0         | /                    | 21.92   | /       | 22.30   |
|                                  |            | 25      | 13        | /                    | 21.91   | /       | 22.30   |
|                                  |            | 25      | 25        | /                    | 21.89   | /       | 22.30   |
|                                  |            | 50      | 0         | /                    | 21.97   | /       | 22.30   |
|                                  | 16QAM      | 1       | 0         | /                    | 21.9    | /       | 22.30   |
|                                  |            | 1       | 25        | /                    | 21.99   | /       | 22.30   |
|                                  |            | 1       | 49        | /                    | 22      | /       | 22.30   |
|                                  |            | 25      | 0         | /                    | 20.91   | /       | 21.30   |
|                                  |            | 25      | 13        | /                    | 20.9    | /       | 21.30   |
|                                  |            | 25      | 25        | /                    | 20.93   | /       | 21.30   |
|                                  |            | 50      | 0         | /                    | 20.87   | /       | 21.30   |
|                                  | 64QAM      | 1       | 0         | /                    | 20.90   | /       | 21.30   |
|                                  |            | 1       | 25        | /                    | 20.93   | /       | 21.30   |
|                                  |            | 1       | 49        | /                    | 20.93   | /       | 21.30   |

|  |  |    |    |   |       |   |       |
|--|--|----|----|---|-------|---|-------|
|  |  | 25 | 0  | / | 19.73 | / | 20.30 |
|  |  | 25 | 13 | / | 19.73 | / | 20.30 |
|  |  | 25 | 25 | / | 19.67 | / | 20.30 |
|  |  | 50 | 0  | / | 19.70 | / | 20.30 |

| LTE FDD Band 17 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz                             | QPSK       | 1       | 0         | 22.76                | 22.83   | 22.86   | 23.30   |
|                                  |            | 1       | 13        | 22.86                | 22.81   | 22.77   | 23.30   |
|                                  |            | 1       | 24        | 22.77                | 22.76   | 22.74   | 23.30   |
|                                  |            | 12      | 0         | 21.77                | 21.76   | 21.76   | 22.30   |
|                                  |            | 12      | 6         | 21.76                | 21.70   | 21.73   | 22.30   |
|                                  |            | 12      | 13        | 21.66                | 21.68   | 21.67   | 22.30   |
|                                  |            | 25      | 0         | 21.64                | 21.73   | 21.72   | 22.30   |
|                                  | 16QAM      | 1       | 0         | 21.92                | 21.97   | 22.02   | 22.30   |
|                                  |            | 1       | 13        | 21.96                | 21.88   | 21.92   | 22.30   |
|                                  |            | 1       | 24        | 21.81                | 21.90   | 21.91   | 22.30   |
|                                  |            | 12      | 0         | 20.74                | 20.72   | 20.74   | 21.30   |
|                                  |            | 12      | 6         | 20.74                | 20.73   | 20.73   | 21.30   |
|                                  |            | 12      | 13        | 20.63                | 20.62   | 20.62   | 21.30   |
|                                  |            | 25      | 0         | 20.67                | 20.62   | 20.68   | 21.30   |
|                                  | 64QAM      | 1       | 0         | 20.85                | 21.01   | 21.02   | 21.30   |
|                                  |            | 1       | 13        | 20.94                | 20.93   | 20.93   | 21.30   |
|                                  |            | 1       | 24        | 20.82                | 20.91   | 20.89   | 21.30   |
|                                  |            | 12      | 0         | 19.73                | 19.72   | 19.74   | 20.30   |
|                                  |            | 12      | 6         | 19.69                | 19.78   | 19.73   | 20.30   |
|                                  |            | 12      | 13        | 19.56                | 19.65   | 19.64   | 20.30   |
|                                  |            | 25      | 0         | 19.72                | 19.66   | 19.64   | 20.30   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz                            | QPSK       | 1       | 0         | 22.92                | 22.89   | 22.93   | 23.30   |
|                                  |            | 1       | 25        | 22.90                | 22.88   | 22.85   | 23.30   |
|                                  |            | 1       | 49        | 22.83                | 22.84   | 22.82   | 23.30   |
|                                  |            | 25      | 0         | 21.83                | 21.83   | 21.85   | 22.30   |
|                                  |            | 25      | 13        | 21.81                | 21.78   | 21.81   | 22.30   |
|                                  |            | 25      | 25        | 21.72                | 21.76   | 21.73   | 22.30   |
|                                  |            | 50      | 0         | 21.72                | 21.81   | 21.78   | 22.30   |
|                                  | 16QAM      | 1       | 0         | 21.97                | 22.05   | 22.10   | 22.30   |
|                                  |            | 1       | 25        | 22.04                | 21.93   | 22.01   | 22.30   |
|                                  |            | 1       | 49        | 21.88                | 21.97   | 21.98   | 22.30   |
|                                  |            | 25      | 0         | 20.82                | 20.78   | 20.82   | 21.30   |
|                                  |            | 25      | 13        | 20.80                | 20.79   | 20.80   | 21.30   |
|                                  |            | 25      | 25        | 20.69                | 20.70   | 20.72   | 21.30   |
|                                  |            | 50      | 0         | 20.75                | 20.71   | 20.75   | 21.30   |
|                                  | 64QAM      | 1       | 0         | 20.93                | 21.09   | 21.12   | 21.30   |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 1  | 25 | 20.99 | 20.98 | 21.00 | 21.30 |
|  |  | 1  | 49 | 20.89 | 20.97 | 20.97 | 21.30 |
|  |  | 25 | 0  | 19.83 | 19.82 | 19.82 | 20.30 |
|  |  | 25 | 13 | 19.77 | 19.84 | 19.83 | 20.30 |
|  |  | 25 | 25 | 19.66 | 19.71 | 19.74 | 20.30 |
|  |  | 50 | 0  | 19.80 | 19.74 | 19.74 | 20.30 |

| LTE Band 26 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                              |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                       | QPSK       | 1       | 0         | 23.77                | 23.74   | 23.70   | 24.30   |
|                              |            | 1       | 2         | 23.78                | 23.80   | 23.72   | 24.30   |
|                              |            | 1       | 5         | 23.75                | 23.75   | 23.73   | 24.30   |
|                              |            | 3       | 0         | 23.75                | 23.77   | 23.74   | 24.30   |
|                              |            | 3       | 2         | 23.75                | 23.78   | 23.76   | 24.30   |
|                              |            | 3       | 3         | 23.76                | 23.76   | 23.75   | 24.30   |
|                              |            | 6       | 0         | 22.76                | 22.78   | 22.77   | 23.30   |
|                              | 16QAM      | 1       | 0         | 22.90                | 22.92   | 22.88   | 23.30   |
|                              |            | 1       | 2         | 22.90                | 22.94   | 22.91   | 23.30   |
|                              |            | 1       | 5         | 22.89                | 22.90   | 22.85   | 23.30   |
|                              |            | 3       | 0         | 22.80                | 22.80   | 22.76   | 23.30   |
|                              |            | 3       | 2         | 22.79                | 22.78   | 22.78   | 23.30   |
|                              |            | 3       | 3         | 22.79                | 22.76   | 22.78   | 23.30   |
|                              |            | 6       | 0         | 21.73                | 21.79   | 21.75   | 22.30   |
|                              | 64QAM      | 1       | 0         | 21.93                | 21.92   | 21.86   | 22.30   |
|                              |            | 1       | 2         | 21.92                | 21.97   | 21.86   | 22.30   |
|                              |            | 1       | 5         | 21.93                | 21.86   | 21.87   | 22.30   |
|                              |            | 3       | 0         | 21.75                | 21.83   | 21.81   | 22.30   |
|                              |            | 3       | 2         | 21.83                | 21.77   | 21.79   | 22.30   |
|                              |            | 3       | 3         | 21.82                | 21.74   | 21.77   | 22.30   |
|                              |            | 6       | 0         | 20.74                | 20.83   | 20.76   | 21.30   |
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                              |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                         | QPSK       | 1       | 0         | 23.59                | 23.55   | 23.51   | 24.30   |
|                              |            | 1       | 7         | 23.61                | 23.63   | 23.57   | 24.30   |
|                              |            | 1       | 14        | 23.55                | 23.63   | 23.50   | 24.30   |
|                              |            | 8       | 0         | 22.66                | 22.64   | 22.54   | 23.30   |
|                              |            | 8       | 4         | 22.61                | 22.66   | 22.57   | 23.30   |
|                              |            | 8       | 7         | 22.64                | 22.57   | 22.55   | 23.30   |
|                              |            | 15      | 0         | 22.70                | 22.65   | 22.60   | 23.30   |
|                              | 16QAM      | 1       | 0         | 22.86                | 22.89   | 22.79   | 23.30   |
|                              |            | 1       | 7         | 22.94                | 22.94   | 22.89   | 23.30   |
|                              |            | 1       | 14        | 22.91                | 22.84   | 22.82   | 23.30   |
|                              |            | 8       | 0         | 21.63                | 21.57   | 21.60   | 22.30   |
|                              |            | 8       | 4         | 21.65                | 21.65   | 21.60   | 22.30   |
|                              |            | 8       | 7         | 21.66                | 21.64   | 21.50   | 22.30   |

|           |            | 15      | 0         | 21.63   | 21.59   | 21.68   | 22.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 64QAM      | 1       | 0         | 21.87   | 21.91   | 21.75   | 22.30   |
|           |            | 1       | 7         | 21.94   | 21.93   | 21.89   | 22.30   |
|           |            | 1       | 14        | 21.97   | 21.84   | 21.83   | 22.30   |
|           |            | 8       | 0         | 20.68   | 20.62   | 20.60   | 21.30   |
|           |            | 8       | 4         | 20.62   | 20.64   | 20.62   | 21.30   |
|           |            | 8       | 7         | 20.67   | 20.69   | 20.53   | 21.30   |
|           |            | 15      | 0         | 20.62   | 20.58   | 20.64   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.60   | 23.51   | 23.51   | 24.30   |
|           |            | 1       | 13        | 23.62   | 23.61   | 23.58   | 24.30   |
|           |            | 1       | 24        | 23.55   | 23.62   | 23.53   | 24.30   |
|           |            | 12      | 0         | 22.62   | 22.60   | 22.54   | 23.30   |
|           |            | 12      | 6         | 22.63   | 22.65   | 22.56   | 23.30   |
|           |            | 12      | 13        | 22.62   | 22.56   | 22.52   | 23.30   |
|           |            | 25      | 0         | 22.68   | 22.68   | 22.65   | 23.30   |
|           | 16QAM      | 1       | 0         | 22.83   | 22.88   | 22.82   | 23.30   |
|           |            | 1       | 13        | 22.97   | 22.92   | 22.88   | 23.30   |
|           |            | 1       | 24        | 22.94   | 22.83   | 22.80   | 23.30   |
|           |            | 12      | 0         | 21.64   | 21.58   | 21.63   | 22.30   |
|           |            | 12      | 6         | 21.65   | 21.67   | 21.60   | 22.30   |
|           |            | 12      | 13        | 21.63   | 21.60   | 21.50   | 22.30   |
|           |            | 25      | 0         | 21.62   | 21.58   | 21.63   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.85   | 21.93   | 21.79   | 22.30   |
|           |            | 1       | 13        | 21.97   | 21.98   | 21.90   | 22.30   |
|           |            | 1       | 24        | 21.93   | 21.82   | 21.83   | 22.30   |
|           |            | 12      | 0         | 20.68   | 20.59   | 20.59   | 21.30   |
|           |            | 12      | 6         | 20.60   | 20.67   | 20.60   | 21.30   |
|           |            | 12      | 13        | 20.62   | 20.68   | 20.55   | 21.30   |
|           |            | 25      | 0         | 20.61   | 20.53   | 20.63   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.59   | 23.53   | 23.51   | 24.30   |
|           |            | 1       | 25        | 23.64   | 23.64   | 23.60   | 24.30   |
|           |            | 1       | 49        | 23.56   | 23.65   | 23.48   | 24.30   |
|           |            | 25      | 0         | 22.67   | 22.62   | 22.54   | 23.30   |
|           |            | 25      | 13        | 22.58   | 22.63   | 22.57   | 23.30   |
|           |            | 25      | 25        | 22.64   | 22.60   | 22.54   | 23.30   |
|           |            | 50      | 0         | 22.68   | 22.67   | 22.64   | 23.30   |
|           | 16QAM      | 1       | 0         | 22.86   | 22.91   | 22.82   | 23.30   |
|           |            | 1       | 25        | 22.93   | 22.94   | 22.86   | 23.30   |
|           |            | 1       | 49        | 22.96   | 22.84   | 22.85   | 23.30   |
|           |            | 25      | 0         | 21.65   | 21.61   | 21.58   | 22.30   |
|           |            | 25      | 13        | 21.62   | 21.69   | 21.60   | 22.30   |
|           |            | 25      | 25        | 21.61   | 21.65   | 21.55   | 22.30   |
|           |            | 50      | 0         | 21.60   | 21.58   | 21.63   | 22.30   |

|           |            | 1       | 0         | 21.88   | 21.94   | 21.78   | 22.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 25        | 21.97   | 21.97   | 21.91   | 22.30   |
|           |            | 1       | 49        | 21.98   | 21.84   | 21.87   | 22.30   |
|           | 64QAM      | 25      | 0         | 20.68   | 20.59   | 20.58   | 21.30   |
|           |            | 25      | 13        | 20.59   | 20.65   | 20.64   | 21.30   |
|           |            | 25      | 25        | 20.67   | 20.68   | 20.56   | 21.30   |
|           |            | 50      | 0         | 20.59   | 20.58   | 20.68   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26775   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.72   | 23.90   | 23.75   | 24.30   |
|           |            | 1       | 38        | 23.71   | 23.69   | 23.66   | 24.30   |
|           |            | 1       | 74        | 23.64   | 23.70   | 23.58   | 24.30   |
|           |            | 36      | 0         | 22.72   | 22.75   | 22.68   | 23.30   |
|           |            | 36      | 18        | 22.68   | 22.72   | 22.66   | 23.30   |
|           |            | 36      | 39        | 22.72   | 22.65   | 22.62   | 23.30   |
|           |            | 75      | 0         | 22.76   | 22.78   | 22.70   | 23.30   |
|           | 16QAM      | 1       | 0         | 22.92   | 22.97   | 22.88   | 23.30   |
|           |            | 1       | 38        | 23.03   | 23.00   | 22.94   | 23.30   |
|           |            | 1       | 74        | 23.01   | 22.93   | 22.90   | 23.30   |
|           |            | 36      | 0         | 21.73   | 21.66   | 21.68   | 22.30   |
|           |            | 36      | 18        | 21.72   | 21.74   | 21.70   | 22.30   |
|           |            | 36      | 39        | 21.71   | 21.70   | 21.60   | 22.30   |
|           |            | 75      | 0         | 21.69   | 21.67   | 21.73   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.94   | 22.01   | 21.84   | 22.30   |
|           |            | 1       | 38        | 22.04   | 22.03   | 21.97   | 22.30   |
|           |            | 1       | 74        | 22.03   | 21.89   | 21.93   | 22.30   |
|           |            | 36      | 0         | 20.75   | 20.69   | 20.67   | 21.30   |
|           |            | 36      | 18        | 20.68   | 20.74   | 20.70   | 21.30   |
|           |            | 36      | 39        | 20.72   | 20.75   | 20.61   | 21.30   |
|           |            | 75      | 0         | 20.67   | 20.63   | 20.73   | 21.30   |

## 2 Conducted Power of Main Antenna (Ant1)

### 2.1 Conducted Power of GSM

| GSM 850 State1/2/3/4/5/6 |            |       |       |       |         |                  |                                 |       |       |         |
|--------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm)  |            |       |       |       |         | Division Factors | Frame-Average Output Power(dBm) |       |       |         |
| Channel                  |            | 128   | 190   | 251   | Tune up |                  | 128                             | 190   | 251   | Tune up |
| GSM(GMSK)                | GSM        | 32.88 | 32.94 | 32.91 | 33.50   | -9.19            | 23.69                           | 23.75 | 23.72 | 24.31   |
| GPRS (GMSK)              | 1 TX Slot  | 32.89 | 32.95 | 32.90 | 33.50   | -9.19            | 23.70                           | 23.76 | 23.71 | 24.31   |
|                          | 2 TX Slots | 30.43 | 30.48 | 30.43 | 31.00   | -6.18            | 24.25                           | 24.30 | 24.25 | 24.82   |
|                          | 3 TX Slots | 28.43 | 28.47 | 28.38 | 29.00   | -4.42            | 24.01                           | 24.05 | 23.96 | 24.58   |
|                          | 4 TX Slots | 27.23 | 27.27 | 27.20 | 28.00   | -3.17            | 24.06                           | 24.10 | 24.03 | 24.83   |
| EGPRS (GMSK)             | 1 TX Slot  | 32.88 | 32.96 | 32.92 | 33.50   | -9.19            | 23.69                           | 23.77 | 23.73 | 24.31   |
|                          | 2 TX Slots | 30.41 | 30.46 | 30.41 | 31.00   | -6.18            | 24.23                           | 24.28 | 24.23 | 24.82   |
|                          | 3 TX Slots | 28.44 | 28.45 | 28.35 | 29.00   | -4.42            | 24.02                           | 24.03 | 23.93 | 24.58   |
|                          | 4 TX Slots | 27.32 | 27.24 | 27.10 | 28.00   | -3.17            | 24.15                           | 24.07 | 23.93 | 24.83   |
| EGPRS (8PSK)             | 1 TX Slot  | 27.26 | 27.18 | 27.11 | 27.50   | -9.19            | 18.07                           | 17.99 | 17.92 | 18.31   |
|                          | 2 TX Slots | 24.51 | 24.34 | 24.24 | 26.00   | -6.18            | 18.33                           | 18.16 | 18.06 | 19.82   |
|                          | 3 TX Slots | 22.73 | 22.58 | 22.46 | 23.00   | -4.42            | 18.31                           | 18.16 | 18.04 | 18.58   |
|                          | 4 TX Slots | 21.75 | 21.67 | 21.54 | 22.50   | -3.17            | 18.58                           | 18.50 | 18.37 | 19.33   |

### 2.2 Conducted Power of WCDMA

| WCDMA Band V State1/2/3/4/5/6 |              |       |       |       |         |
|-------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)  |              |       |       |       |         |
| Channel                       |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                         | 12.2kbps RMC | 24.44 | 24.37 | 24.35 | 24.80   |
|                               | 12.2kbps AMR | 24.42 | 24.39 | 24.35 | 24.80   |
| HSDPA                         | Subtest 1    | 23.48 | 23.48 | 23.44 | 23.80   |
|                               | Subtest 2    | 23.48 | 23.47 | 23.38 | 23.80   |
|                               | Subtest 3    | 22.98 | 22.91 | 22.96 | 23.30   |
|                               | Subtest 4    | 22.97 | 22.89 | 22.88 | 23.30   |
| HSUPA                         | Subtest 1    | 21.39 | 21.49 | 21.46 | 21.80   |
|                               | Subtest 2    | 19.87 | 19.92 | 20.02 | 20.30   |
|                               | Subtest 3    | 20.81 | 20.95 | 20.99 | 21.30   |
|                               | Subtest 4    | 19.81 | 19.97 | 20.03 | 20.30   |
|                               | Subtest 5    | 22.90 | 22.99 | 22.97 | 23.30   |
| DC-HSDPA                      | Subtest 1    | 23.43 | 23.34 | 23.36 | 23.80   |
|                               | Subtest 2    | 23.37 | 23.35 | 23.33 | 23.80   |
|                               | Subtest 3    | 22.93 | 22.87 | 22.84 | 23.30   |
|                               | Subtest 4    | 22.88 | 22.86 | 22.86 | 23.30   |
| HSPA+                         | 16QAM        | 19.84 | 19.81 | 19.80 | 20.80   |

## 2.3 Conducted Power of LTE

| LTE Band 5 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                      | QPSK       | 1       | 0         | 24.17                | 24.07   | 24.09   | 24.80   |
|                             |            | 1       | 2         | 24.14                | 24.11   | 24.10   | 24.80   |
|                             |            | 1       | 5         | 24.13                | 24.09   | 24.07   | 24.80   |
|                             |            | 3       | 0         | 24.13                | 24.11   | 24.08   | 24.80   |
|                             |            | 3       | 2         | 24.16                | 24.15   | 24.13   | 24.80   |
|                             |            | 3       | 3         | 24.14                | 24.08   | 24.12   | 24.80   |
|                             |            | 6       | 0         | 23.14                | 23.13   | 23.09   | 23.80   |
|                             | 16QAM      | 1       | 0         | 23.28                | 23.26   | 23.23   | 23.80   |
|                             |            | 1       | 2         | 23.28                | 23.27   | 23.19   | 23.80   |
|                             |            | 1       | 5         | 23.33                | 23.25   | 23.22   | 23.80   |
|                             |            | 3       | 0         | 23.18                | 23.12   | 23.12   | 23.80   |
|                             |            | 3       | 2         | 23.18                | 23.13   | 23.12   | 23.80   |
|                             |            | 3       | 3         | 23.16                | 23.12   | 23.10   | 23.80   |
|                             |            | 6       | 0         | 22.12                | 22.07   | 22.06   | 22.80   |
|                             | 64QAM      | 1       | 0         | 22.28                | 22.23   | 22.23   | 22.80   |
|                             |            | 1       | 2         | 22.28                | 22.26   | 22.20   | 22.80   |
|                             |            | 1       | 5         | 22.32                | 22.28   | 22.17   | 22.80   |
|                             |            | 3       | 0         | 22.14                | 22.09   | 22.11   | 22.80   |
|                             |            | 3       | 2         | 22.15                | 22.11   | 22.15   | 22.80   |
|                             |            | 3       | 3         | 22.20                | 22.17   | 22.14   | 22.80   |
|                             |            | 6       | 0         | 21.17                | 21.04   | 21.02   | 21.80   |
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                        | QPSK       | 1       | 0         | 24.07                | 23.98   | 23.96   | 24.80   |
|                             |            | 1       | 7         | 24.05                | 24.07   | 23.99   | 24.80   |
|                             |            | 1       | 14        | 24.12                | 24.00   | 23.98   | 24.80   |
|                             |            | 8       | 0         | 23.04                | 22.91   | 23.03   | 23.80   |
|                             |            | 8       | 4         | 23.03                | 22.93   | 22.98   | 23.80   |
|                             |            | 8       | 7         | 23.05                | 22.97   | 22.96   | 23.80   |
|                             |            | 15      | 0         | 23.11                | 22.97   | 23.11   | 23.80   |
|                             | 16QAM      | 1       | 0         | 23.19                | 23.12   | 23.14   | 23.80   |
|                             |            | 1       | 7         | 23.21                | 23.17   | 23.09   | 23.80   |
|                             |            | 1       | 14        | 23.19                | 22.97   | 23.13   | 23.80   |
|                             |            | 8       | 0         | 22.09                | 21.97   | 22.03   | 22.80   |
|                             |            | 8       | 4         | 22.06                | 21.96   | 22.04   | 22.80   |
|                             |            | 8       | 7         | 22.03                | 21.99   | 22.02   | 22.80   |
|                             |            | 15      | 0         | 22.01                | 21.97   | 22.06   | 22.80   |
|                             | 64QAM      | 1       | 0         | 22.22                | 22.15   | 22.07   | 22.80   |
|                             |            | 1       | 7         | 22.19                | 22.10   | 22.09   | 22.80   |
|                             |            | 1       | 14        | 22.22                | 22.05   | 22.13   | 22.80   |
|                             |            | 8       | 0         | 21.11                | 20.97   | 21.07   | 21.80   |

|           |            | 8       | 4         | 21.02   | 21.01   | 21.07   | 21.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 21.00   | 20.93   | 21.02   | 21.80   |
|           |            | 15      | 0         | 21.04   | 20.92   | 21.05   | 21.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 24.05   | 23.98   | 23.97   | 24.80   |
|           |            | 1       | 13        | 24.08   | 24.05   | 23.98   | 24.80   |
|           |            | 1       | 24        | 24.08   | 23.97   | 24.00   | 24.80   |
|           |            | 12      | 0         | 23.03   | 22.93   | 23.05   | 23.80   |
|           |            | 12      | 6         | 23.05   | 22.97   | 22.98   | 23.80   |
|           |            | 12      | 13        | 23.03   | 23.02   | 22.98   | 23.80   |
|           |            | 25      | 0         | 23.12   | 23.01   | 23.10   | 23.80   |
|           | 16QAM      | 1       | 0         | 23.19   | 23.11   | 23.14   | 23.80   |
|           |            | 1       | 13        | 23.19   | 23.18   | 23.09   | 23.80   |
|           |            | 1       | 24        | 23.23   | 23.00   | 23.11   | 23.80   |
|           |            | 12      | 0         | 22.09   | 21.96   | 22.08   | 22.80   |
|           |            | 12      | 6         | 22.04   | 21.97   | 22.02   | 22.80   |
|           |            | 12      | 13        | 22.02   | 21.96   | 22.00   | 22.80   |
|           |            | 25      | 0         | 22.05   | 22.00   | 22.06   | 22.80   |
|           | 64QAM      | 1       | 0         | 22.24   | 22.18   | 22.10   | 22.80   |
|           |            | 1       | 13        | 22.18   | 22.15   | 22.07   | 22.80   |
|           |            | 1       | 24        | 22.20   | 22.02   | 22.13   | 22.80   |
|           |            | 12      | 0         | 21.08   | 21.02   | 21.06   | 21.80   |
|           |            | 12      | 6         | 21.05   | 21.01   | 21.08   | 21.80   |
|           |            | 12      | 13        | 21.00   | 20.97   | 21.01   | 21.80   |
|           |            | 25      | 0         | 21.05   | 20.97   | 21.01   | 21.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 24.14   | 24.06   | 24.03   | 24.80   |
|           |            | 1       | 25        | 24.14   | 24.14   | 24.07   | 24.80   |
|           |            | 1       | 49        | 24.17   | 24.15   | 24.09   | 24.80   |
|           |            | 25      | 0         | 23.09   | 23.01   | 23.10   | 23.80   |
|           |            | 25      | 13        | 23.13   | 23.03   | 23.03   | 23.80   |
|           |            | 25      | 25        | 23.13   | 23.07   | 23.05   | 23.80   |
|           |            | 50      | 0         | 23.17   | 23.07   | 23.16   | 23.80   |
|           | 16QAM      | 1       | 0         | 23.25   | 23.21   | 23.19   | 23.80   |
|           |            | 1       | 25        | 23.29   | 23.24   | 23.19   | 23.80   |
|           |            | 1       | 49        | 23.29   | 23.07   | 23.19   | 23.80   |
|           |            | 25      | 0         | 22.14   | 22.03   | 22.13   | 22.80   |
|           |            | 25      | 13        | 22.14   | 22.03   | 22.10   | 22.80   |
|           |            | 25      | 25        | 22.11   | 22.06   | 22.08   | 22.80   |
|           |            | 50      | 0         | 22.11   | 22.05   | 22.13   | 22.80   |
|           | 64QAM      | 1       | 0         | 22.29   | 22.25   | 22.15   | 22.80   |
|           |            | 1       | 25        | 22.24   | 22.20   | 22.15   | 22.80   |
|           |            | 1       | 49        | 22.30   | 22.12   | 22.21   | 22.80   |
|           |            | 25      | 0         | 21.18   | 21.07   | 21.13   | 21.80   |
|           |            | 25      | 13        | 21.10   | 21.06   | 21.13   | 21.80   |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 25 | 25 | 21.06 | 21.02 | 21.10 | 21.80 |
|  |  | 50 | 0  | 21.10 | 21.02 | 21.11 | 21.80 |

| LTE FDD Band 12 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                           | QPSK       | 1       | 0         | 23.15                | 22.98   | 23.16   | 23.80   |
|                                  |            | 1       | 2         | 23.11                | 23.12   | 23.11   | 23.80   |
|                                  |            | 1       | 5         | 23.09                | 23.06   | 23.08   | 23.80   |
|                                  |            | 3       | 0         | 23.10                | 23.12   | 23.10   | 23.80   |
|                                  |            | 3       | 2         | 23.12                | 23.11   | 23.11   | 23.80   |
|                                  |            | 3       | 3         | 23.09                | 23.12   | 23.12   | 23.80   |
|                                  |            | 6       | 0         | 22.13                | 22.02   | 21.99   | 22.80   |
|                                  | 16QAM      | 1       | 0         | 22.24                | 22.20   | 22.30   | 22.80   |
|                                  |            | 1       | 2         | 22.25                | 22.23   | 22.24   | 22.80   |
|                                  |            | 1       | 5         | 22.18                | 22.20   | 22.24   | 22.80   |
|                                  |            | 3       | 0         | 22.17                | 22.05   | 22.06   | 22.80   |
|                                  |            | 3       | 2         | 22.14                | 22.12   | 22.04   | 22.80   |
|                                  |            | 3       | 3         | 22.11                | 22.06   | 21.94   | 22.80   |
|                                  |            | 6       | 0         | 21.13                | 21.00   | 20.98   | 21.80   |
|                                  | 64QAM      | 1       | 0         | 21.25                | 21.19   | 21.26   | 21.80   |
|                                  |            | 1       | 2         | 21.22                | 21.28   | 21.26   | 21.80   |
|                                  |            | 1       | 5         | 21.21                | 21.20   | 21.24   | 21.80   |
|                                  |            | 3       | 0         | 21.16                | 21.06   | 20.98   | 21.80   |
|                                  |            | 3       | 2         | 21.17                | 21.06   | 20.99   | 21.80   |
|                                  |            | 3       | 3         | 21.16                | 21.05   | 21.00   | 21.80   |
|                                  |            | 6       | 0         | 20.13                | 20.04   | 19.97   | 20.80   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz                             | QPSK       | 1       | 0         | 23.16                | 23.03   | 23.16   | 23.80   |
|                                  |            | 1       | 7         | 23.10                | 23.11   | 23.13   | 23.80   |
|                                  |            | 1       | 14        | 23.05                | 23.02   | 23.08   | 23.80   |
|                                  |            | 8       | 0         | 22.17                | 22.05   | 22.08   | 22.80   |
|                                  |            | 8       | 4         | 22.09                | 22.10   | 22.03   | 22.80   |
|                                  |            | 8       | 7         | 22.12                | 22.06   | 21.95   | 22.80   |
|                                  |            | 15      | 0         | 22.12                | 22.01   | 22.04   | 22.80   |
|                                  | 16QAM      | 1       | 0         | 22.26                | 22.16   | 22.27   | 22.80   |
|                                  |            | 1       | 7         | 22.26                | 22.26   | 22.23   | 22.80   |
|                                  |            | 1       | 14        | 22.20                | 22.16   | 22.22   | 22.80   |
|                                  |            | 8       | 0         | 21.15                | 21.08   | 21.00   | 21.80   |
|                                  |            | 8       | 4         | 21.10                | 21.06   | 21.00   | 21.80   |
|                                  |            | 8       | 7         | 21.12                | 21.12   | 20.93   | 21.80   |
|                                  |            | 15      | 0         | 21.12                | 21.02   | 20.95   | 21.80   |
|                                  | 64QAM      | 1       | 0         | 21.22                | 21.22   | 21.29   | 21.80   |
|                                  |            | 1       | 7         | 21.18                | 21.25   | 21.26   | 21.80   |
|                                  |            | 1       | 14        | 21.22                | 21.19   | 21.21   | 21.80   |

|           |            | 8       | 0         | 20.13   | 20.09   | 19.99   | 20.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 20.10   | 20.05   | 19.98   | 20.80   |
|           |            | 8       | 7         | 20.08   | 20.08   | 19.97   | 20.80   |
|           |            | 15      | 0         | 20.12   | 20.03   | 19.95   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.17   | 23.00   | 23.14   | 23.80   |
|           |            | 1       | 13        | 23.11   | 23.08   | 23.11   | 23.80   |
|           |            | 1       | 24        | 23.08   | 23.03   | 23.10   | 23.80   |
|           |            | 12      | 0         | 22.21   | 22.04   | 22.06   | 22.80   |
|           |            | 12      | 6         | 22.14   | 22.10   | 22.06   | 22.80   |
|           |            | 12      | 13        | 22.15   | 22.09   | 21.96   | 22.80   |
|           |            | 25      | 0         | 22.11   | 22.00   | 22.01   | 22.80   |
|           | 16QAM      | 1       | 0         | 22.22   | 22.21   | 22.26   | 22.80   |
|           |            | 1       | 13        | 22.27   | 22.27   | 22.24   | 22.80   |
|           |            | 1       | 24        | 22.22   | 22.16   | 22.22   | 22.80   |
|           |            | 12      | 0         | 21.16   | 21.10   | 20.96   | 21.80   |
|           |            | 12      | 6         | 21.13   | 21.05   | 21.00   | 21.80   |
|           |            | 12      | 13        | 21.15   | 21.10   | 20.92   | 21.80   |
|           |            | 25      | 0         | 21.10   | 21.01   | 21.00   | 21.80   |
|           | 64QAM      | 1       | 0         | 21.25   | 21.17   | 21.24   | 21.80   |
|           |            | 1       | 13        | 21.17   | 21.26   | 21.28   | 21.80   |
|           |            | 1       | 24        | 21.22   | 21.23   | 21.21   | 21.80   |
|           |            | 12      | 0         | 20.10   | 20.08   | 20.03   | 20.80   |
|           |            | 12      | 6         | 20.12   | 20.07   | 19.94   | 20.80   |
|           |            | 12      | 13        | 20.06   | 20.09   | 19.96   | 20.80   |
|           |            | 25      | 0         | 20.16   | 20.04   | 19.93   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.22   | 23.20   | 23.21   | 23.80   |
|           |            | 1       | 25        | 23.18   | 23.18   | 23.20   | 23.80   |
|           |            | 1       | 49        | 23.15   | 23.12   | 23.16   | 23.80   |
|           |            | 25      | 0         | 22.27   | 22.18   | 22.14   | 22.80   |
|           |            | 25      | 13        | 22.19   | 22.17   | 22.11   | 22.80   |
|           |            | 25      | 25        | 22.21   | 22.22   | 22.01   | 22.80   |
|           |            | 50      | 0         | 22.21   | 22.10   | 22.09   | 22.80   |
|           | 16QAM      | 1       | 0         | 22.31   | 22.26   | 22.36   | 22.80   |
|           |            | 1       | 25        | 22.32   | 22.32   | 22.32   | 22.80   |
|           |            | 1       | 49        | 22.28   | 22.25   | 22.29   | 22.80   |
|           |            | 25      | 0         | 21.23   | 21.15   | 21.06   | 21.80   |
|           |            | 25      | 13        | 21.19   | 21.14   | 21.07   | 21.80   |
|           |            | 25      | 25        | 21.20   | 21.17   | 21.00   | 21.80   |
|           |            | 50      | 0         | 21.19   | 21.09   | 21.05   | 21.80   |
|           | 64QAM      | 1       | 0         | 21.32   | 21.27   | 21.34   | 21.80   |
|           |            | 1       | 25        | 21.27   | 21.35   | 21.35   | 21.80   |
|           |            | 1       | 49        | 21.30   | 21.28   | 21.30   | 21.80   |
|           |            | 25      | 0         | 20.19   | 20.15   | 20.09   | 20.80   |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 25 | 13 | 20.18 | 20.13 | 20.03 | 20.80 |
|  |  | 25 | 25 | 20.16 | 20.16 | 20.05 | 20.80 |
|  |  | 50 | 0  | 20.21 | 20.13 | 20.03 | 20.80 |

| LTE FDD Band 13 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23205                | 23230   | 23255   |         |
| 5MHz                             | QPSK       | 1       | 0         | 23.16                | 23.03   | 23.11   | 23.80   |
|                                  |            | 1       | 13        | 23.11                | 23.12   | 23.13   | 23.80   |
|                                  |            | 1       | 24        | 23.05                | 23.02   | 23.09   | 23.80   |
|                                  |            | 12      | 0         | 22.18                | 22.02   | 22.09   | 22.80   |
|                                  |            | 12      | 6         | 22.14                | 22.09   | 22.02   | 22.80   |
|                                  |            | 12      | 13        | 22.12                | 22.08   | 21.92   | 22.80   |
|                                  |            | 25      | 0         | 22.16                | 22.05   | 22.00   | 22.80   |
|                                  | 16QAM      | 1       | 0         | 22.22                | 22.20   | 22.31   | 22.80   |
|                                  |            | 1       | 13        | 22.27                | 22.23   | 22.22   | 22.80   |
|                                  |            | 1       | 24        | 22.23                | 22.19   | 22.23   | 22.80   |
|                                  |            | 12      | 0         | 21.18                | 21.07   | 20.97   | 21.80   |
|                                  |            | 12      | 6         | 21.11                | 21.08   | 21.02   | 21.80   |
|                                  |            | 12      | 13        | 21.14                | 21.12   | 20.90   | 21.80   |
|                                  |            | 25      | 0         | 21.14                | 21.03   | 20.95   | 21.80   |
|                                  | 64QAM      | 1       | 0         | 21.22                | 21.22   | 21.26   | 21.80   |
|                                  |            | 1       | 13        | 21.22                | 21.28   | 21.30   | 21.80   |
|                                  |            | 1       | 24        | 21.20                | 21.20   | 21.20   | 21.80   |
|                                  |            | 12      | 0         | 20.11                | 20.10   | 20.01   | 20.80   |
|                                  |            | 12      | 6         | 20.08                | 20.08   | 19.96   | 20.80   |
|                                  |            | 12      | 13        | 20.06                | 20.11   | 19.96   | 20.80   |
|                                  |            | 25      | 0         | 20.13                | 20.05   | 19.98   | 20.80   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | /                    | 23230   | /       |         |
| 10MHz                            | QPSK       | 1       | 0         | /                    | 23.24   | /       | 23.80   |
|                                  |            | 1       | 25        | /                    | 23.27   | /       | 23.80   |
|                                  |            | 1       | 49        | /                    | 23.16   | /       | 23.80   |
|                                  |            | 25      | 0         | /                    | 22.26   | /       | 22.80   |
|                                  |            | 25      | 13        | /                    | 22.2    | /       | 22.80   |
|                                  |            | 25      | 25        | /                    | 22.27   | /       | 22.80   |
|                                  |            | 50      | 0         | /                    | 22.28   | /       | 22.80   |
|                                  | 16QAM      | 1       | 0         | /                    | 22.36   | /       | 22.80   |
|                                  |            | 1       | 25        | /                    | 22.41   | /       | 22.80   |
|                                  |            | 1       | 49        | /                    | 22.37   | /       | 22.80   |
|                                  |            | 25      | 0         | /                    | 21.25   | /       | 21.80   |
|                                  |            | 25      | 13        | /                    | 21.27   | /       | 21.80   |
|                                  |            | 25      | 25        | /                    | 21.29   | /       | 21.80   |
|                                  |            | 50      | 0         | /                    | 21.2    | /       | 21.80   |
|                                  | 64QAM      | 1       | 0         | /                    | 21.21   | /       | 21.80   |
|                                  |            | 1       | 25        | /                    | 21.27   | /       | 21.80   |

|  |  |    |    |   |       |   |       |
|--|--|----|----|---|-------|---|-------|
|  |  | 1  | 49 | / | 21.20 | / | 21.80 |
|  |  | 25 | 0  | / | 20.06 | / | 20.80 |
|  |  | 25 | 13 | / | 20.03 | / | 20.80 |
|  |  | 25 | 25 | / | 20.08 | / | 20.80 |
|  |  | 50 | 0  | / | 20.08 | / | 20.80 |

| LTE FDD Band 17 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz                             | QPSK       | 1       | 0         | 23.09                | 23.09   | 23.12   | 23.80   |
|                                  |            | 1       | 13        | 23.15                | 23.19   | 23.07   | 23.80   |
|                                  |            | 1       | 24        | 23.08                | 23.09   | 23.12   | 23.80   |
|                                  |            | 12      | 0         | 22.03                | 21.98   | 21.98   | 22.80   |
|                                  |            | 12      | 6         | 22.01                | 22.01   | 22.03   | 22.80   |
|                                  |            | 12      | 13        | 21.94                | 22.00   | 21.92   | 22.80   |
|                                  |            | 25      | 0         | 21.99                | 22.08   | 22.03   | 22.80   |
|                                  | 16QAM      | 1       | 0         | 22.21                | 22.19   | 22.21   | 22.80   |
|                                  |            | 1       | 13        | 22.24                | 22.15   | 22.22   | 22.80   |
|                                  |            | 1       | 24        | 22.23                | 22.20   | 22.19   | 22.80   |
|                                  |            | 12      | 0         | 20.97                | 21.04   | 20.96   | 21.80   |
|                                  |            | 12      | 6         | 21.02                | 20.98   | 21.05   | 21.80   |
|                                  |            | 12      | 13        | 20.94                | 20.88   | 20.95   | 21.80   |
|                                  |            | 25      | 0         | 20.99                | 20.95   | 20.98   | 21.80   |
|                                  | 64QAM      | 1       | 0         | 21.16                | 21.19   | 21.18   | 21.80   |
|                                  |            | 1       | 13        | 21.21                | 21.18   | 21.32   | 21.80   |
|                                  |            | 1       | 24        | 21.26                | 21.20   | 21.24   | 21.80   |
|                                  |            | 12      | 0         | 20.02                | 20.11   | 20.04   | 20.80   |
|                                  |            | 12      | 6         | 20.01                | 19.99   | 20.01   | 20.80   |
|                                  |            | 12      | 13        | 19.95                | 19.97   | 19.99   | 20.80   |
|                                  |            | 25      | 0         | 19.95                | 19.98   | 19.97   | 20.80   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz                            | QPSK       | 1       | 0         | 23.14                | 23.15   | 23.21   | 23.80   |
|                                  |            | 1       | 25        | 23.21                | 23.25   | 23.22   | 23.80   |
|                                  |            | 1       | 49        | 23.13                | 23.18   | 23.18   | 23.80   |
|                                  |            | 25      | 0         | 22.08                | 22.06   | 22.08   | 22.80   |
|                                  |            | 25      | 13        | 22.10                | 22.11   | 22.11   | 22.80   |
|                                  |            | 25      | 25        | 22.01                | 22.09   | 22.01   | 22.80   |
|                                  |            | 50      | 0         | 22.09                | 22.13   | 22.10   | 22.80   |
|                                  | 16QAM      | 1       | 0         | 22.30                | 22.29   | 22.26   | 22.80   |
|                                  |            | 1       | 25        | 22.30                | 22.23   | 22.32   | 22.80   |
|                                  |            | 1       | 49        | 22.30                | 22.27   | 22.29   | 22.80   |
|                                  |            | 25      | 0         | 21.06                | 21.14   | 21.04   | 21.80   |
|                                  |            | 25      | 13        | 21.07                | 21.05   | 21.11   | 21.80   |
|                                  |            | 25      | 25        | 21.03                | 20.97   | 21.00   | 21.80   |
|                                  |            | 50      | 0         | 21.08                | 21.04   | 21.03   | 21.80   |

|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  | 64QAM | 1  | 0  | 21.25 | 21.27 | 21.24 | 21.80 |
|  |       | 1  | 25 | 21.29 | 21.26 | 21.37 | 21.80 |
|  |       | 1  | 49 | 21.32 | 21.26 | 21.34 | 21.80 |
|  |       | 25 | 0  | 20.11 | 20.19 | 20.09 | 20.80 |
|  |       | 25 | 13 | 20.10 | 20.07 | 20.11 | 20.80 |
|  |       | 25 | 25 | 20.04 | 20.02 | 20.04 | 20.80 |
|  |       | 50 | 0  | 20.04 | 20.08 | 20.05 | 20.80 |

| LTE Band 26 State1/2/3/4/5/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                              |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                       | QPSK       | 1       | 0         | 24.06                | 24.00   | 24.00   | 24.80   |
|                              |            | 1       | 2         | 24.08                | 24.03   | 23.97   | 24.80   |
|                              |            | 1       | 5         | 24.04                | 24.02   | 23.94   | 24.80   |
|                              |            | 3       | 0         | 24.03                | 24.04   | 23.98   | 24.80   |
|                              |            | 3       | 2         | 24.08                | 24.06   | 23.99   | 24.80   |
|                              |            | 3       | 3         | 24.06                | 23.99   | 23.98   | 24.80   |
|                              |            | 6       | 0         | 23.06                | 23.04   | 22.96   | 23.80   |
|                              | 16QAM      | 1       | 0         | 23.20                | 23.20   | 23.12   | 23.80   |
|                              |            | 1       | 2         | 23.22                | 23.15   | 23.16   | 23.80   |
|                              |            | 1       | 5         | 23.19                | 23.15   | 23.09   | 23.80   |
|                              |            | 3       | 0         | 23.09                | 23.08   | 22.99   | 23.80   |
|                              |            | 3       | 2         | 23.16                | 23.09   | 23.02   | 23.80   |
|                              |            | 3       | 3         | 23.10                | 23.02   | 23.02   | 23.80   |
|                              |            | 6       | 0         | 22.10                | 22.02   | 21.94   | 22.80   |
|                              | 64QAM      | 1       | 0         | 22.18                | 22.21   | 22.11   | 22.80   |
|                              |            | 1       | 2         | 22.27                | 22.10   | 22.18   | 22.80   |
|                              |            | 1       | 5         | 22.22                | 22.11   | 22.04   | 22.80   |
|                              |            | 3       | 0         | 22.09                | 22.11   | 21.99   | 22.80   |
|                              |            | 3       | 2         | 22.18                | 22.14   | 22.05   | 22.80   |
|                              |            | 3       | 3         | 22.05                | 21.98   | 22.00   | 22.80   |
|                              |            | 6       | 0         | 21.14                | 20.98   | 20.93   | 21.80   |
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                              |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                         | QPSK       | 1       | 0         | 23.90                | 23.90   | 23.76   | 24.80   |
|                              |            | 1       | 7         | 23.96                | 23.97   | 23.85   | 24.80   |
|                              |            | 1       | 14        | 23.92                | 23.80   | 23.73   | 24.80   |
|                              |            | 8       | 0         | 22.90                | 22.94   | 22.89   | 23.80   |
|                              |            | 8       | 4         | 23.00                | 22.91   | 22.86   | 23.80   |
|                              |            | 8       | 7         | 22.95                | 22.88   | 22.88   | 23.80   |
|                              |            | 15      | 0         | 22.91                | 22.94   | 22.94   | 23.80   |
|                              | 16QAM      | 1       | 0         | 23.22                | 23.22   | 23.09   | 23.80   |
|                              |            | 1       | 7         | 23.22                | 23.26   | 23.14   | 23.80   |
|                              |            | 1       | 14        | 23.21                | 23.15   | 23.03   | 23.80   |
|                              |            | 8       | 0         | 21.86                | 21.88   | 21.92   | 22.80   |
|                              |            | 8       | 4         | 21.94                | 21.91   | 21.87   | 22.80   |

|           |            | 8       | 7         | 21.96   | 21.86   | 21.86   | 22.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 21.88   | 21.92   | 21.85   | 22.80   |
|           | 64QAM      | 1       | 0         | 22.22   | 22.16   | 22.07   | 22.80   |
|           |            | 1       | 7         | 22.17   | 22.22   | 22.16   | 22.80   |
|           |            | 1       | 14        | 22.24   | 22.13   | 22.05   | 22.80   |
|           |            | 8       | 0         | 20.92   | 20.94   | 20.87   | 21.80   |
|           |            | 8       | 4         | 20.98   | 20.97   | 20.82   | 21.80   |
|           |            | 8       | 7         | 20.91   | 20.89   | 20.84   | 21.80   |
|           |            | 15      | 0         | 20.93   | 20.96   | 20.81   | 21.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.90   | 23.89   | 23.78   | 24.80   |
|           |            | 1       | 13        | 23.93   | 23.95   | 23.89   | 24.80   |
|           |            | 1       | 24        | 23.94   | 23.78   | 23.73   | 24.80   |
|           |            | 12      | 0         | 22.90   | 22.96   | 22.85   | 23.80   |
|           |            | 12      | 6         | 22.97   | 22.90   | 22.86   | 23.80   |
|           |            | 12      | 13        | 22.94   | 22.85   | 22.84   | 23.80   |
|           |            | 25      | 0         | 22.87   | 22.92   | 22.96   | 23.80   |
|           | 16QAM      | 1       | 0         | 23.18   | 23.19   | 23.05   | 23.80   |
|           |            | 1       | 13        | 23.22   | 23.27   | 23.15   | 23.80   |
|           |            | 1       | 24        | 23.20   | 23.15   | 23.05   | 23.80   |
|           |            | 12      | 0         | 21.85   | 21.86   | 21.89   | 22.80   |
|           |            | 12      | 6         | 21.96   | 21.89   | 21.83   | 22.80   |
|           |            | 12      | 13        | 21.97   | 21.91   | 21.85   | 22.80   |
|           |            | 25      | 0         | 21.88   | 21.91   | 21.88   | 22.80   |
|           | 64QAM      | 1       | 0         | 22.22   | 22.20   | 22.04   | 22.80   |
|           |            | 1       | 13        | 22.15   | 22.24   | 22.21   | 22.80   |
|           |            | 1       | 24        | 22.22   | 22.18   | 22.05   | 22.80   |
|           |            | 12      | 0         | 20.93   | 20.91   | 20.87   | 21.80   |
|           |            | 12      | 6         | 20.97   | 20.98   | 20.79   | 21.80   |
|           |            | 12      | 13        | 20.94   | 20.92   | 20.84   | 21.80   |
|           |            | 25      | 0         | 20.96   | 20.98   | 20.80   | 21.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26750   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.91   | 23.88   | 23.81   | 24.80   |
|           |            | 1       | 25        | 23.92   | 23.94   | 23.84   | 24.80   |
|           |            | 1       | 49        | 23.94   | 23.80   | 23.74   | 24.80   |
|           |            | 25      | 0         | 22.94   | 22.93   | 22.88   | 23.80   |
|           |            | 25      | 13        | 22.96   | 22.89   | 22.85   | 23.80   |
|           |            | 25      | 25        | 22.96   | 22.85   | 22.88   | 23.80   |
|           |            | 50      | 0         | 22.87   | 22.93   | 22.96   | 23.80   |
|           | 16QAM      | 1       | 0         | 23.22   | 23.19   | 23.05   | 23.80   |
|           |            | 1       | 25        | 23.21   | 23.22   | 23.14   | 23.80   |
|           |            | 1       | 49        | 23.23   | 23.13   | 23.08   | 23.80   |
|           |            | 25      | 0         | 21.86   | 21.90   | 21.89   | 22.80   |
|           |            | 25      | 13        | 21.93   | 21.90   | 21.86   | 22.80   |
|           |            | 25      | 25        | 21.95   | 21.89   | 21.89   | 22.80   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 21.89   | 21.90   | 21.85   | 22.80   |
|           | 64QAM      | 1       | 0         | 22.22   | 22.20   | 22.08   | 22.80   |
|           |            | 1       | 25        | 22.15   | 22.24   | 22.20   | 22.80   |
|           |            | 1       | 49        | 22.25   | 22.18   | 22.07   | 22.80   |
|           |            | 25      | 0         | 20.93   | 20.92   | 20.87   | 21.80   |
|           |            | 25      | 13        | 20.98   | 20.96   | 20.82   | 21.80   |
|           |            | 25      | 25        | 20.94   | 20.89   | 20.84   | 21.80   |
|           |            | 50      | 0         | 20.91   | 20.96   | 20.83   | 21.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.97   | 23.97   | 23.86   | 24.80   |
|           |            | 1       | 38        | 24.03   | 24.08   | 23.94   | 24.80   |
|           |            | 1       | 74        | 24.02   | 23.87   | 23.80   | 24.80   |
|           |            | 36      | 0         | 22.99   | 23.03   | 22.95   | 23.80   |
|           |            | 36      | 18        | 23.05   | 23.04   | 23.00   | 23.80   |
|           |            | 36      | 39        | 23.03   | 22.93   | 22.93   | 23.80   |
|           |            | 75      | 0         | 22.97   | 23.02   | 23.01   | 23.80   |
|           | 16QAM      | 1       | 0         | 23.28   | 23.28   | 23.14   | 23.80   |
|           |            | 1       | 38        | 23.29   | 23.32   | 23.21   | 23.80   |
|           |            | 1       | 74        | 23.28   | 23.22   | 23.13   | 23.80   |
|           |            | 36      | 0         | 21.94   | 21.95   | 21.99   | 22.80   |
|           |            | 36      | 18        | 22.01   | 21.98   | 21.92   | 22.80   |
|           |            | 36      | 39        | 22.03   | 21.96   | 21.94   | 22.80   |
|           |            | 75      | 0         | 21.96   | 21.98   | 21.93   | 22.80   |
|           | 64QAM      | 1       | 0         | 22.31   | 22.26   | 22.13   | 22.80   |
|           |            | 1       | 38        | 22.25   | 22.29   | 22.26   | 22.80   |
|           |            | 1       | 74        | 22.31   | 22.23   | 22.12   | 22.80   |
|           |            | 36      | 0         | 20.98   | 21.00   | 20.96   | 21.80   |
|           |            | 36      | 18        | 21.04   | 21.03   | 20.88   | 21.80   |
|           |            | 36      | 39        | 21.01   | 20.97   | 20.89   | 21.80   |
|           |            | 75      | 0         | 21.01   | 21.03   | 20.90   | 21.80   |

### 3 Conducted Power of Main Antenna (Ant3)

#### 3.1 Conducted Power of GSM

| GSM 1900 State1/3/5     |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm) |            |       |       |       |         | Division Factors | Frame-Average Output Power(dBm) |       |       |         |
| Channel                 |            | 512   | 661   | 810   | Tune up |                  | 512                             | 661   | 810   | Tune up |
| GSM(GMSK)               | GSM        | 29.29 | 29.16 | 29.04 | 30.00   | -9.19            | 20.10                           | 19.97 | 19.85 | 20.81   |
| GPRS (GMSK)             | 1 TX Slot  | 29.29 | 29.17 | 29.07 | 30.00   | -9.19            | 20.10                           | 19.98 | 19.88 | 20.81   |
|                         | 2 TX Slots | 27.37 | 27.22 | 27.11 | 28.00   | -6.18            | 21.19                           | 21.04 | 20.93 | 21.82   |
|                         | 3 TX Slots | 25.68 | 25.56 | 25.45 | 26.00   | -4.42            | 21.26                           | 21.14 | 21.03 | 21.58   |
|                         | 4 TX Slots | 23.42 | 23.29 | 23.20 | 24.00   | -3.17            | 20.25                           | 20.12 | 20.03 | 20.83   |
| EGPRS (GMSK)            | 1 TX Slot  | 29.36 | 29.11 | 29.11 | 30.00   | -9.19            | 20.17                           | 19.92 | 19.92 | 20.81   |
|                         | 2 TX Slots | 27.31 | 27.24 | 27.14 | 28.00   | -6.18            | 21.13                           | 21.06 | 20.96 | 21.82   |
|                         | 3 TX Slots | 25.70 | 25.57 | 25.47 | 26.00   | -4.42            | 21.28                           | 21.15 | 21.05 | 21.58   |
|                         | 4 TX Slots | 23.43 | 23.31 | 23.21 | 24.00   | -3.17            | 20.26                           | 20.14 | 20.04 | 20.83   |
| EGPRS (8PSK)            | 1 TX Slot  | 26.12 | 26.04 | 25.85 | 27.00   | -9.19            | 16.93                           | 16.85 | 16.66 | 17.81   |
|                         | 2 TX Slots | 23.61 | 23.55 | 23.51 | 25.50   | -6.18            | 17.43                           | 17.37 | 17.33 | 19.32   |
|                         | 3 TX Slots | 20.91 | 20.90 | 20.89 | 22.00   | -4.42            | 16.49                           | 16.48 | 16.47 | 17.58   |
|                         | 4 TX Slots | 19.66 | 19.64 | 19.60 | 21.50   | -3.17            | 16.49                           | 16.47 | 16.43 | 18.33   |

| GSM 1900 State2/4/6     |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| Burst Output Power(dBm) |            |       |       |       |         | Division Factors | Frame-Average Output Power(dBm) |       |       |         |
| Channel                 |            | 512   | 661   | 810   | Tune up |                  | 512                             | 661   | 810   | Tune up |
| GSM(GMSK)               | GSM        | 26.28 | 26.10 | 25.93 | 26.50   | -9.19            | 17.09                           | 16.91 | 16.74 | 17.31   |
| GPRS (GMSK)             | 1 TX Slot  | 26.11 | 26.16 | 25.96 | 26.50   | -9.19            | 16.92                           | 16.97 | 16.77 | 17.31   |
|                         | 2 TX Slots | 23.06 | 22.91 | 22.74 | 24.50   | -6.18            | 16.88                           | 16.73 | 16.56 | 18.32   |
|                         | 3 TX Slots | 22.44 | 22.25 | 22.07 | 22.50   | -4.42            | 18.02                           | 17.83 | 17.65 | 18.08   |
|                         | 4 TX Slots | 20.30 | 20.11 | 19.93 | 20.50   | -3.17            | 17.13                           | 16.94 | 16.76 | 17.33   |
| EGPRS (GMSK)            | 1 TX Slot  | 26.09 | 26.14 | 25.91 | 26.50   | -9.19            | 16.90                           | 16.95 | 16.72 | 17.31   |
|                         | 2 TX Slots | 23.06 | 22.89 | 22.71 | 24.50   | -6.18            | 16.88                           | 16.71 | 16.53 | 18.32   |
|                         | 3 TX Slots | 22.44 | 22.21 | 22.05 | 22.50   | -4.42            | 18.02                           | 17.79 | 17.63 | 18.08   |
|                         | 4 TX Slots | 20.29 | 20.11 | 19.91 | 20.50   | -3.17            | 17.12                           | 16.94 | 16.74 | 17.33   |
| EGPRS (8PSK)            | 1 TX Slot  | 22.28 | 22.13 | 21.93 | 23.50   | -9.19            | 13.09                           | 12.94 | 12.74 | 14.31   |
|                         | 2 TX Slots | 20.27 | 20.29 | 20.19 | 22.00   | -6.18            | 14.09                           | 14.11 | 14.01 | 15.82   |
|                         | 3 TX Slots | 17.55 | 17.38 | 17.21 | 18.50   | -4.42            | 13.13                           | 12.96 | 12.79 | 14.08   |
|                         | 4 TX Slots | 16.48 | 16.28 | 16.10 | 18.00   | -3.17            | 13.31                           | 13.11 | 12.93 | 14.83   |

#### 3.2 Conducted Power of WCDMA

| WCDMA Band II State 1        |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 19.54 | 19.54 | 19.56 | 19.80   |
|                              | 12.2kbps AMR | 19.48 | 19.51 | 19.55 | 19.80   |
| HSDPA                        | Subtest 1    | 18.53 | 18.52 | 18.53 | 18.80   |
|                              | Subtest 2    | 18.61 | 18.55 | 18.47 | 18.80   |
|                              | Subtest 3    | 18.13 | 18.05 | 18.11 | 18.30   |
|                              | Subtest 4    | 18.05 | 17.98 | 18.07 | 18.30   |
| HSUPA                        | Subtest 1    | 16.54 | 16.66 | 16.74 | 16.80   |

|          |           |       |       |       |       |
|----------|-----------|-------|-------|-------|-------|
|          | Subtest 2 | 15.44 | 15.39 | 15.51 | 15.80 |
|          | Subtest 3 | 16.41 | 16.52 | 16.41 | 16.80 |
|          | Subtest 4 | 15.35 | 15.58 | 15.51 | 15.80 |
|          | Subtest 5 | 18.41 | 18.56 | 18.41 | 18.80 |
| DC-HSDPA | Subtest 1 | 18.56 | 18.43 | 18.56 | 18.80 |
|          | Subtest 2 | 18.50 | 18.38 | 18.46 | 18.80 |
|          | Subtest 3 | 18.16 | 17.92 | 17.95 | 18.30 |
|          | Subtest 4 | 17.98 | 17.98 | 17.94 | 18.30 |
| HSPA+    | 16QAM     | 15.52 | 15.62 | 15.54 | 16.30 |

| WCDMA Band II State 2/4/6    |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 17.05 | 17.05 | 17.03 | 17.80   |
|                              | 12.2kbps AMR | 17    | 16.96 | 17    | 17.80   |
| HSDPA                        | Subtest 1    | 16.12 | 15.96 | 16.00 | 16.80   |
|                              | Subtest 2    | 16.15 | 16.07 | 15.98 | 16.80   |
|                              | Subtest 3    | 15.69 | 15.53 | 15.57 | 16.30   |
|                              | Subtest 4    | 15.61 | 15.57 | 15.53 | 16.30   |
| HSUPA                        | Subtest 1    | 14.38 | 14.47 | 14.52 | 14.80   |
|                              | Subtest 2    | 12.87 | 12.89 | 13.01 | 13.80   |
|                              | Subtest 3    | 13.93 | 14.00 | 14.00 | 14.80   |
|                              | Subtest 4    | 12.80 | 13.02 | 13.03 | 13.80   |
|                              | Subtest 5    | 15.91 | 15.97 | 15.91 | 16.80   |
| DC-HSDPA                     | Subtest 1    | 16.09 | 16.01 | 16.04 | 16.80   |
|                              | Subtest 2    | 15.97 | 15.93 | 15.92 | 16.80   |
|                              | Subtest 3    | 15.66 | 15.50 | 15.42 | 16.30   |
|                              | Subtest 4    | 15.52 | 15.51 | 15.44 | 16.30   |
| HSPA+                        | 16QAM        | 13.53 | 13.54 | 13.50 | 14.30   |

| WCDMA Band II State3/5       |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 18.88 | 18.79 | 18.83 | 19.30   |
|                              | 12.2kbps AMR | 18.86 | 18.76 | 18.82 | 19.30   |
| HSDPA                        | Subtest 1    | 17.92 | 17.83 | 17.86 | 18.30   |
|                              | Subtest 2    | 17.87 | 17.83 | 17.84 | 18.30   |
|                              | Subtest 3    | 17.46 | 17.32 | 17.42 | 17.80   |
|                              | Subtest 4    | 17.37 | 17.38 | 17.32 | 17.80   |
| HSUPA                        | Subtest 1    | 16.20 | 16.22 | 16.28 | 16.30   |
|                              | Subtest 2    | 14.68 | 14.73 | 14.78 | 15.30   |
|                              | Subtest 3    | 15.68 | 15.81 | 15.72 | 16.30   |
|                              | Subtest 4    | 14.66 | 14.82 | 14.73 | 15.30   |
|                              | Subtest 5    | 17.63 | 17.85 | 17.79 | 18.30   |
| DC-HSDPA                     | Subtest 1    | 17.89 | 17.78 | 17.87 | 18.30   |
|                              | Subtest 2    | 17.75 | 17.67 | 17.69 | 18.30   |
|                              | Subtest 3    | 17.39 | 17.27 | 17.27 | 17.80   |

|       |           |       |       |       |       |
|-------|-----------|-------|-------|-------|-------|
|       | Subtest 4 | 17.35 | 17.33 | 17.23 | 17.80 |
| HSPA+ | 16QAM     | 15.01 | 15.00 | 15.04 | 15.80 |

| WCDMA Band IV State 1        |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                        | 12.2kbps RMC | 20.24 | 20.25 | 20.15 | 20.80   |
|                              | 12.2kbps AMR | 20.24 | 20.16 | 20.28 | 20.80   |
| HSDPA                        | Subtest 1    | 19.27 | 19.23 | 19.16 | 19.80   |
|                              | Subtest 2    | 19.29 | 19.20 | 19.20 | 19.80   |
|                              | Subtest 3    | 18.79 | 18.69 | 18.79 | 19.30   |
|                              | Subtest 4    | 18.77 | 18.75 | 18.74 | 19.30   |
| HSUPA                        | Subtest 1    | 17.66 | 17.60 | 17.64 | 18.30   |
|                              | Subtest 2    | 16.06 | 16.17 | 16.10 | 16.30   |
|                              | Subtest 3    | 17.05 | 17.13 | 17.23 | 17.30   |
|                              | Subtest 4    | 16.00 | 16.22 | 16.16 | 17.30   |
|                              | Subtest 5    | 19.06 | 19.19 | 19.23 | 19.80   |
| DC-HSDPA                     | Subtest 1    | 19.18 | 19.16 | 19.23 | 19.80   |
|                              | Subtest 2    | 19.23 | 19.16 | 19.09 | 19.80   |
|                              | Subtest 3    | 18.73 | 18.64 | 18.58 | 19.30   |
|                              | Subtest 4    | 18.69 | 18.59 | 18.65 | 19.30   |
| HSPA+                        | 16QAM        | 16.05 | 16.00 | 16.10 | 17.30   |

| WCDMA Band IV 2/4/6          |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 1312  | 1412  | 1513  | Tune up |
|                              | 12.2kbps RMC | 17.4  | 17.28 | 17.28 | 17.80   |
|                              | 12.2kbps AMR | 17.32 | 17.33 | 17.29 | 17.80   |
| HSDPA                        | Subtest 1    | 16.38 | 16.30 | 16.34 | 16.80   |
|                              | Subtest 2    | 16.38 | 16.39 | 16.29 | 16.80   |
|                              | Subtest 3    | 15.90 | 15.83 | 15.90 | 16.30   |
|                              | Subtest 4    | 15.83 | 15.79 | 15.85 | 16.30   |
| HSUPA                        | Subtest 1    | 14.72 | 14.71 | 14.70 | 15.30   |
|                              | Subtest 2    | 13.18 | 13.21 | 13.19 | 13.30   |
|                              | Subtest 3    | 14.12 | 14.24 | 14.24 | 14.30   |
|                              | Subtest 4    | 13.17 | 13.29 | 13.24 | 14.30   |
|                              | Subtest 5    | 16.12 | 16.36 | 16.31 | 16.80   |
| DC-HSDPA                     | Subtest 1    | 16.35 | 16.30 | 16.24 | 16.80   |
|                              | Subtest 2    | 16.29 | 16.27 | 16.25 | 16.80   |
|                              | Subtest 3    | 15.86 | 15.77 | 15.69 | 16.30   |
|                              | Subtest 4    | 15.83 | 15.77 | 15.74 | 16.30   |
| HSPA+                        | 16QAM        | 13.02 | 12.98 | 13.04 | 14.30   |

| WCDMA Band IV State3/5       |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                        | 12.2kbps RMC | 19.63 | 19.47 | 19.49 | 20.30   |
|                              | 12.2kbps AMR | 19.52 | 19.5  | 19.51 | 20.30   |
| HSDPA                        | Subtest 1    | 18.56 | 18.47 | 18.49 | 19.30   |
|                              | Subtest 2    | 18.57 | 18.59 | 18.56 | 19.30   |
|                              | Subtest 3    | 18.10 | 17.99 | 18.01 | 18.80   |
|                              | Subtest 4    | 18.04 | 18.01 | 17.99 | 18.80   |
| HSUPA                        | Subtest 1    | 16.90 | 16.87 | 16.96 | 17.80   |
|                              | Subtest 2    | 15.33 | 15.39 | 15.46 | 15.80   |
|                              | Subtest 3    | 16.38 | 16.53 | 16.49 | 16.80   |
|                              | Subtest 4    | 15.38 | 15.48 | 15.43 | 16.80   |
|                              | Subtest 5    | 18.37 | 18.52 | 18.48 | 19.30   |
| DC-HSDPA                     | Subtest 1    | 18.52 | 18.47 | 18.47 | 19.30   |
|                              | Subtest 2    | 18.56 | 18.42 | 18.48 | 19.30   |
|                              | Subtest 3    | 18.05 | 18.00 | 17.96 | 18.80   |
|                              | Subtest 4    | 18.03 | 17.98 | 17.88 | 18.80   |
| HSPA+                        | 16QAM        | 15.65 | 15.46 | 15.50 | 16.80   |

### 3.3 Conducted Power of LTE

| LTE Band 2 State 1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz             | QPSK       | 1       | 0         | 19.42                | 19.54   | 19.43   | 20.30   |
|                    |            | 1       | 2         | 19.13                | 19.45   | 19.33   | 20.30   |
|                    |            | 1       | 5         | 19.20                | 19.44   | 19.41   | 20.30   |
|                    |            | 3       | 0         | 19.42                | 19.55   | 19.37   | 20.30   |
|                    |            | 3       | 2         | 19.39                | 19.43   | 19.35   | 20.30   |
|                    |            | 3       | 3         | 19.32                | 19.42   | 19.32   | 20.30   |
|                    |            | 6       | 0         | 19.40                | 19.37   | 19.40   | 20.30   |
|                    | 16QAM      | 1       | 0         | 19.38                | 19.49   | 19.44   | 20.30   |
|                    |            | 1       | 2         | 19.14                | 19.44   | 19.33   | 20.30   |
|                    |            | 1       | 5         | 19.22                | 19.42   | 19.45   | 20.30   |
|                    |            | 3       | 0         | 19.38                | 19.53   | 19.39   | 20.30   |
|                    |            | 3       | 2         | 19.36                | 19.38   | 19.36   | 20.30   |
|                    |            | 3       | 3         | 19.33                | 19.41   | 19.36   | 20.30   |
|                    |            | 6       | 0         | 19.38                | 19.39   | 19.33   | 20.30   |
|                    | 64QAM      | 1       | 0         | 19.41                | 19.48   | 19.44   | 20.30   |
|                    |            | 1       | 2         | 19.15                | 19.45   | 19.30   | 20.30   |
|                    |            | 1       | 5         | 19.24                | 19.39   | 19.44   | 20.30   |
|                    |            | 3       | 0         | 19.45                | 19.52   | 19.34   | 20.30   |
|                    |            | 3       | 2         | 19.36                | 19.42   | 19.41   | 20.30   |
|                    |            | 3       | 3         | 19.33                | 19.38   | 19.34   | 20.30   |

|           |            | 6       | 0         | 19.35   | 19.34   | 19.41   | 20.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 19.41   | 19.55   | 19.43   | 20.30   |
|           |            | 1       | 7         | 19.15   | 19.48   | 19.33   | 20.30   |
|           |            | 1       | 14        | 19.21   | 19.41   | 19.42   | 20.30   |
|           |            | 8       | 0         | 19.41   | 19.53   | 19.38   | 20.30   |
|           |            | 8       | 4         | 19.42   | 19.44   | 19.39   | 20.30   |
|           |            | 8       | 7         | 19.33   | 19.41   | 19.35   | 20.30   |
|           |            | 15      | 0         | 19.36   | 19.37   | 19.38   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.40   | 19.48   | 19.45   | 20.30   |
|           |            | 1       | 7         | 19.13   | 19.46   | 19.30   | 20.30   |
|           |            | 1       | 14        | 19.23   | 19.43   | 19.42   | 20.30   |
|           |            | 8       | 0         | 19.38   | 19.56   | 19.35   | 20.30   |
|           |            | 8       | 4         | 19.40   | 19.37   | 19.38   | 20.30   |
|           |            | 8       | 7         | 19.32   | 19.38   | 19.34   | 20.30   |
|           |            | 15      | 0         | 19.39   | 19.36   | 19.35   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.38   | 19.46   | 19.40   | 20.30   |
|           |            | 1       | 7         | 19.16   | 19.44   | 19.33   | 20.30   |
|           |            | 1       | 14        | 19.28   | 19.39   | 19.43   | 20.30   |
|           |            | 8       | 0         | 19.43   | 19.53   | 19.38   | 20.30   |
|           |            | 8       | 4         | 19.37   | 19.46   | 19.37   | 20.30   |
|           |            | 8       | 7         | 19.34   | 19.40   | 19.38   | 20.30   |
|           |            | 15      | 0         | 19.39   | 19.32   | 19.41   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.41   | 19.55   | 19.43   | 20.30   |
|           |            | 1       | 13        | 19.16   | 19.47   | 19.35   | 20.30   |
|           |            | 1       | 24        | 19.21   | 19.40   | 19.44   | 20.30   |
|           |            | 12      | 0         | 19.42   | 19.54   | 19.36   | 20.30   |
|           |            | 12      | 6         | 19.41   | 19.43   | 19.36   | 20.30   |
|           |            | 12      | 13        | 19.34   | 19.38   | 19.34   | 20.30   |
|           |            | 25      | 0         | 19.37   | 19.37   | 19.38   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.41   | 19.51   | 19.41   | 20.30   |
|           |            | 1       | 13        | 19.14   | 19.47   | 19.33   | 20.30   |
|           |            | 1       | 24        | 19.24   | 19.41   | 19.44   | 20.30   |
|           |            | 12      | 0         | 19.39   | 19.52   | 19.36   | 20.30   |
|           |            | 12      | 6         | 19.36   | 19.39   | 19.37   | 20.30   |
|           |            | 12      | 13        | 19.33   | 19.41   | 19.34   | 20.30   |
|           |            | 25      | 0         | 19.38   | 19.34   | 19.33   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.37   | 19.48   | 19.41   | 20.30   |
|           |            | 1       | 13        | 19.12   | 19.46   | 19.29   | 20.30   |
|           |            | 1       | 24        | 19.28   | 19.42   | 19.43   | 20.30   |
|           |            | 12      | 0         | 19.43   | 19.52   | 19.38   | 20.30   |
|           |            | 12      | 6         | 19.35   | 19.45   | 19.38   | 20.30   |
|           |            | 12      | 13        | 19.31   | 19.38   | 19.35   | 20.30   |
|           |            | 25      | 0         | 19.39   | 19.35   | 19.38   | 20.30   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.43   | 19.56   | 19.46   | 20.30   |
|           |            | 1       | 25        | 19.14   | 19.47   | 19.36   | 20.30   |
|           |            | 1       | 49        | 19.24   | 19.40   | 19.41   | 20.30   |
|           |            | 25      | 0         | 19.43   | 19.55   | 19.36   | 20.30   |
|           |            | 25      | 13        | 19.42   | 19.42   | 19.39   | 20.30   |
|           |            | 25      | 25        | 19.33   | 19.41   | 19.34   | 20.30   |
|           |            | 50      | 0         | 19.37   | 19.33   | 19.40   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.42   | 19.47   | 19.41   | 20.30   |
|           |            | 1       | 25        | 19.15   | 19.46   | 19.30   | 20.30   |
|           |            | 1       | 49        | 19.24   | 19.44   | 19.43   | 20.30   |
|           |            | 25      | 0         | 19.42   | 19.51   | 19.35   | 20.30   |
|           |            | 25      | 13        | 19.35   | 19.40   | 19.39   | 20.30   |
|           |            | 25      | 25        | 19.34   | 19.37   | 19.38   | 20.30   |
|           |            | 50      | 0         | 19.41   | 19.35   | 19.38   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.42   | 19.46   | 19.40   | 20.30   |
|           |            | 1       | 25        | 19.12   | 19.44   | 19.30   | 20.30   |
|           |            | 1       | 49        | 19.28   | 19.40   | 19.44   | 20.30   |
|           |            | 25      | 0         | 19.40   | 19.51   | 19.36   | 20.30   |
|           |            | 25      | 13        | 19.35   | 19.41   | 19.41   | 20.30   |
|           |            | 25      | 25        | 19.33   | 19.42   | 19.34   | 20.30   |
|           |            | 50      | 0         | 19.39   | 19.32   | 19.38   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.42   | 19.58   | 19.43   | 20.30   |
|           |            | 1       | 38        | 19.14   | 19.47   | 19.34   | 20.30   |
|           |            | 1       | 74        | 19.21   | 19.44   | 19.42   | 20.30   |
|           |            | 36      | 0         | 19.40   | 19.54   | 19.38   | 20.30   |
|           |            | 36      | 18        | 19.41   | 19.41   | 19.38   | 20.30   |
|           |            | 36      | 39        | 19.32   | 19.38   | 19.37   | 20.30   |
|           |            | 75      | 0         | 19.35   | 19.37   | 19.36   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.41   | 19.49   | 19.40   | 20.30   |
|           |            | 1       | 38        | 19.13   | 19.44   | 19.32   | 20.30   |
|           |            | 1       | 74        | 19.27   | 19.43   | 19.45   | 20.30   |
|           |            | 36      | 0         | 19.39   | 19.55   | 19.36   | 20.30   |
|           |            | 36      | 18        | 19.35   | 19.41   | 19.39   | 20.30   |
|           |            | 36      | 39        | 19.34   | 19.38   | 19.36   | 20.30   |
|           |            | 75      | 0         | 19.41   | 19.35   | 19.36   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.38   | 19.46   | 19.44   | 20.30   |
|           |            | 1       | 38        | 19.13   | 19.49   | 19.34   | 20.30   |
|           |            | 1       | 74        | 19.26   | 19.37   | 19.42   | 20.30   |
|           |            | 36      | 0         | 19.42   | 19.53   | 19.35   | 20.30   |
|           |            | 36      | 18        | 19.39   | 19.44   | 19.36   | 20.30   |
|           |            | 36      | 39        | 19.32   | 19.37   | 19.36   | 20.30   |
|           |            | 75      | 0         | 19.38   | 19.32   | 19.38   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |

|       |       |     |    | 18700 | 18900 | 19100 |       |
|-------|-------|-----|----|-------|-------|-------|-------|
| 20MHz | QPSK  | 1   | 0  | 19.44 | 19.56 | 19.44 | 20.30 |
|       |       | 1   | 50 | 19.15 | 19.49 | 19.33 | 20.30 |
|       |       | 1   | 99 | 19.24 | 19.40 | 19.40 | 20.30 |
|       |       | 50  | 0  | 19.44 | 19.56 | 19.39 | 20.30 |
|       |       | 50  | 25 | 19.42 | 19.39 | 19.39 | 20.30 |
|       |       | 50  | 50 | 19.32 | 19.37 | 19.37 | 20.30 |
|       |       | 100 | 0  | 19.36 | 19.37 | 19.36 | 20.30 |
|       | 16QAM | 1   | 0  | 19.42 | 19.50 | 19.40 | 20.30 |
|       |       | 1   | 50 | 19.10 | 19.45 | 19.32 | 20.30 |
|       |       | 1   | 99 | 19.24 | 19.41 | 19.46 | 20.30 |
|       |       | 50  | 0  | 19.41 | 19.52 | 19.35 | 20.30 |
|       |       | 50  | 25 | 19.39 | 19.38 | 19.38 | 20.30 |
|       |       | 50  | 50 | 19.32 | 19.39 | 19.38 | 20.30 |
|       |       | 100 | 0  | 19.40 | 19.39 | 19.38 | 20.30 |
|       | 64QAM | 1   | 0  | 19.38 | 19.45 | 19.40 | 20.30 |
|       |       | 1   | 50 | 19.12 | 19.47 | 19.33 | 20.30 |
|       |       | 1   | 99 | 19.26 | 19.40 | 19.41 | 20.30 |
|       |       | 50  | 0  | 19.43 | 19.49 | 19.38 | 20.30 |
|       |       | 50  | 25 | 19.37 | 19.41 | 19.40 | 20.30 |
|       |       | 50  | 50 | 19.34 | 19.38 | 19.34 | 20.30 |
|       |       | 100 | 0  | 19.35 | 19.33 | 19.41 | 20.30 |

| LTE Band 2 2/4/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 17.03                | 17.18   | 17.08   | 17.80   |
|                  |            | 1       | 2         | 16.72                | 17.04   | 16.93   | 17.80   |
|                  |            | 1       | 5         | 16.85                | 17.01   | 17.01   | 17.80   |
|                  |            | 3       | 0         | 17.02                | 17.13   | 16.96   | 17.80   |
|                  |            | 3       | 2         | 17.00                | 17.00   | 16.97   | 17.80   |
|                  |            | 3       | 3         | 16.92                | 16.98   | 16.92   | 17.80   |
|                  |            | 6       | 0         | 16.97                | 16.95   | 16.95   | 17.80   |
|                  | 16QAM      | 1       | 0         | 16.97                | 17.10   | 17.04   | 17.80   |
|                  |            | 1       | 2         | 16.71                | 17.04   | 16.92   | 17.80   |
|                  |            | 1       | 5         | 16.85                | 17.02   | 17.05   | 17.80   |
|                  |            | 3       | 0         | 17.01                | 17.16   | 16.99   | 17.80   |
|                  |            | 3       | 2         | 16.99                | 16.98   | 16.98   | 17.80   |
|                  |            | 3       | 3         | 16.94                | 17.00   | 16.95   | 17.80   |
|                  |            | 6       | 0         | 17.02                | 16.94   | 16.96   | 17.80   |
|                  | 64QAM      | 1       | 0         | 17.00                | 17.08   | 17.00   | 17.80   |
|                  |            | 1       | 2         | 16.75                | 17.07   | 16.94   | 17.80   |
|                  |            | 1       | 5         | 16.83                | 17.02   | 17.04   | 17.80   |
|                  |            | 3       | 0         | 17.01                | 17.13   | 16.97   | 17.80   |
|                  |            | 3       | 2         | 17.00                | 17.02   | 16.97   | 17.80   |

|           |            | 3       | 3         | 16.90   | 16.99   | 16.96   | 17.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 6       | 0         | 16.94   | 16.92   | 16.96   | 17.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 17.04   | 17.17   | 17.08   | 17.80   |
|           |            | 1       | 7         | 16.73   | 17.07   | 16.96   | 17.80   |
|           |            | 1       | 14        | 16.80   | 17.00   | 17.03   | 17.80   |
|           |            | 8       | 0         | 17.04   | 17.16   | 16.96   | 17.80   |
|           |            | 8       | 4         | 16.98   | 17.01   | 16.95   | 17.80   |
|           |            | 8       | 7         | 16.94   | 16.99   | 16.94   | 17.80   |
|           |            | 15      | 0         | 16.97   | 16.93   | 16.96   | 17.80   |
|           | 16QAM      | 1       | 0         | 17.01   | 17.12   | 17.04   | 17.80   |
|           |            | 1       | 7         | 16.75   | 17.06   | 16.93   | 17.80   |
|           |            | 1       | 14        | 16.84   | 16.99   | 17.05   | 17.80   |
|           |            | 8       | 0         | 17.00   | 17.14   | 16.96   | 17.80   |
|           |            | 8       | 4         | 16.95   | 17.02   | 16.95   | 17.80   |
|           |            | 8       | 7         | 16.92   | 16.99   | 16.96   | 17.80   |
|           |            | 15      | 0         | 17.01   | 16.97   | 16.98   | 17.80   |
|           | 64QAM      | 1       | 0         | 17.00   | 17.07   | 17.03   | 17.80   |
|           |            | 1       | 7         | 16.76   | 17.04   | 16.93   | 17.80   |
|           |            | 1       | 14        | 16.84   | 17.00   | 17.04   | 17.80   |
|           |            | 8       | 0         | 17.02   | 17.13   | 16.93   | 17.80   |
|           |            | 8       | 4         | 17.00   | 17.01   | 16.99   | 17.80   |
|           |            | 8       | 7         | 16.94   | 16.99   | 16.95   | 17.80   |
|           |            | 15      | 0         | 16.97   | 16.95   | 16.96   | 17.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.01   | 17.14   | 17.08   | 17.80   |
|           |            | 1       | 13        | 16.75   | 17.09   | 16.94   | 17.80   |
|           |            | 1       | 24        | 16.83   | 17.03   | 17.03   | 17.80   |
|           |            | 12      | 0         | 17.04   | 17.14   | 16.96   | 17.80   |
|           |            | 12      | 6         | 17.03   | 17.00   | 16.94   | 17.80   |
|           |            | 12      | 13        | 16.95   | 17.01   | 16.94   | 17.80   |
|           |            | 25      | 0         | 17.00   | 16.92   | 16.96   | 17.80   |
|           | 16QAM      | 1       | 0         | 17.01   | 17.09   | 17.00   | 17.80   |
|           |            | 1       | 13        | 16.71   | 17.08   | 16.88   | 17.80   |
|           |            | 1       | 24        | 16.86   | 17.02   | 17.06   | 17.80   |
|           |            | 12      | 0         | 16.99   | 17.12   | 16.95   | 17.80   |
|           |            | 12      | 6         | 17.00   | 17.01   | 16.99   | 17.80   |
|           |            | 12      | 13        | 16.91   | 16.99   | 16.98   | 17.80   |
|           |            | 25      | 0         | 17.01   | 16.99   | 16.98   | 17.80   |
|           | 64QAM      | 1       | 0         | 16.98   | 17.06   | 17.01   | 17.80   |
|           |            | 1       | 13        | 16.75   | 17.07   | 16.93   | 17.80   |
|           |            | 1       | 24        | 16.84   | 16.97   | 17.00   | 17.80   |
|           |            | 12      | 0         | 17.05   | 17.13   | 16.93   | 17.80   |
|           |            | 12      | 6         | 16.99   | 17.01   | 17.00   | 17.80   |
|           |            | 12      | 13        | 16.90   | 17.00   | 16.93   | 17.80   |

|           |            | 25      | 0         | 16.96   | 16.96   | 17.00   | 17.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.04   | 17.14   | 17.04   | 17.80   |
|           |            | 1       | 25        | 16.74   | 17.06   | 16.92   | 17.80   |
|           |            | 1       | 49        | 16.84   | 17.03   | 17.03   | 17.80   |
|           |            | 25      | 0         | 17.01   | 17.14   | 16.95   | 17.80   |
|           |            | 25      | 13        | 17.03   | 16.99   | 16.97   | 17.80   |
|           |            | 25      | 25        | 16.94   | 17.02   | 16.92   | 17.80   |
|           |            | 50      | 0         | 16.97   | 16.94   | 17.00   | 17.80   |
|           | 16QAM      | 1       | 0         | 16.99   | 17.11   | 17.02   | 17.80   |
|           |            | 1       | 25        | 16.71   | 17.05   | 16.91   | 17.80   |
|           |            | 1       | 49        | 16.85   | 17.02   | 17.03   | 17.80   |
|           |            | 25      | 0         | 17.02   | 17.14   | 17.00   | 17.80   |
|           |            | 25      | 13        | 16.99   | 17.02   | 16.96   | 17.80   |
|           |            | 25      | 25        | 16.94   | 16.97   | 16.95   | 17.80   |
|           |            | 50      | 0         | 17.01   | 16.99   | 16.98   | 17.80   |
|           | 64QAM      | 1       | 0         | 16.99   | 17.09   | 17.04   | 17.80   |
|           |            | 1       | 25        | 16.75   | 17.06   | 16.93   | 17.80   |
|           |            | 1       | 49        | 16.85   | 17.00   | 17.01   | 17.80   |
|           |            | 25      | 0         | 17.00   | 17.09   | 16.96   | 17.80   |
|           |            | 25      | 13        | 16.97   | 17.02   | 17.01   | 17.80   |
|           |            | 25      | 25        | 16.90   | 16.98   | 16.95   | 17.80   |
|           |            | 50      | 0         | 16.98   | 16.94   | 16.99   | 17.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.05   | 17.13   | 17.06   | 17.80   |
|           |            | 1       | 38        | 16.75   | 17.04   | 16.96   | 17.80   |
|           |            | 1       | 74        | 16.80   | 17.02   | 17.04   | 17.80   |
|           |            | 36      | 0         | 17.00   | 17.14   | 17.00   | 17.80   |
|           |            | 36      | 18        | 17.01   | 17.00   | 16.98   | 17.80   |
|           |            | 36      | 39        | 16.93   | 16.98   | 16.95   | 17.80   |
|           |            | 75      | 0         | 17.00   | 16.94   | 16.98   | 17.80   |
|           | 16QAM      | 1       | 0         | 17.01   | 17.12   | 17.05   | 17.80   |
|           |            | 1       | 38        | 16.70   | 17.06   | 16.89   | 17.80   |
|           |            | 1       | 74        | 16.87   | 17.00   | 17.02   | 17.80   |
|           |            | 36      | 0         | 16.98   | 17.15   | 16.96   | 17.80   |
|           |            | 36      | 18        | 17.00   | 17.00   | 16.99   | 17.80   |
|           |            | 36      | 39        | 16.89   | 17.02   | 16.99   | 17.80   |
|           |            | 75      | 0         | 16.97   | 16.99   | 16.93   | 17.80   |
|           | 64QAM      | 1       | 0         | 17.00   | 17.04   | 17.01   | 17.80   |
|           |            | 1       | 38        | 16.74   | 17.08   | 16.90   | 17.80   |
|           |            | 1       | 74        | 16.85   | 16.97   | 16.99   | 17.80   |
|           |            | 36      | 0         | 17.05   | 17.09   | 16.96   | 17.80   |
|           |            | 36      | 18        | 17.00   | 17.04   | 16.98   | 17.80   |
|           |            | 36      | 39        | 16.89   | 16.99   | 16.95   | 17.80   |
|           |            | 75      | 0         | 16.94   | 16.94   | 16.97   | 17.80   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.02   | 17.17   | 17.07   | 17.80   |
|           |            | 1       | 50        | 16.75   | 17.07   | 16.97   | 17.80   |
|           |            | 1       | 99        | 16.84   | 17.03   | 17.01   | 17.80   |
|           |            | 50      | 0         | 17.00   | 17.13   | 16.96   | 17.80   |
|           |            | 50      | 25        | 17.02   | 17.14   | 16.97   | 17.80   |
|           |            | 50      | 50        | 16.94   | 16.99   | 16.92   | 17.80   |
|           |            | 100     | 0         | 16.98   | 17.00   | 16.99   | 17.80   |
|           | 16QAM      | 1       | 0         | 17.00   | 17.12   | 17.02   | 17.80   |
|           |            | 1       | 50        | 16.75   | 17.07   | 16.92   | 17.80   |
|           |            | 1       | 99        | 16.87   | 17.02   | 17.05   | 17.80   |
|           |            | 50      | 0         | 16.97   | 17.11   | 17.00   | 17.80   |
|           |            | 50      | 25        | 16.97   | 16.99   | 16.98   | 17.80   |
|           |            | 50      | 50        | 16.94   | 17.01   | 16.95   | 17.80   |
|           |            | 100     | 0         | 17.02   | 16.99   | 16.94   | 17.80   |
|           | 64QAM      | 1       | 0         | 17.01   | 17.04   | 17.02   | 17.80   |
|           |            | 1       | 50        | 16.72   | 17.04   | 16.89   | 17.80   |
|           |            | 1       | 99        | 16.87   | 17.00   | 17.01   | 17.80   |
|           |            | 50      | 0         | 17.02   | 17.12   | 16.93   | 17.80   |
|           |            | 50      | 25        | 17.00   | 17.04   | 17.01   | 17.80   |
|           |            | 50      | 50        | 16.90   | 16.99   | 16.93   | 17.80   |
|           |            | 100     | 0         | 16.95   | 16.93   | 16.96   | 17.80   |

| LTE Band 4 State 1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz             | QPSK       | 1       | 0         | 20.25                | 20.36   | 20.25   | 20.80   |
|                    |            | 1       | 2         | 19.92                | 20.26   | 20.14   | 20.80   |
|                    |            | 1       | 5         | 20.01                | 20.21   | 20.24   | 20.80   |
|                    |            | 3       | 0         | 20.24                | 20.37   | 20.19   | 20.80   |
|                    |            | 3       | 2         | 20.21                | 20.21   | 20.15   | 20.80   |
|                    |            | 3       | 3         | 20.12                | 20.20   | 20.15   | 20.80   |
|                    |            | 6       | 0         | 20.18                | 20.17   | 20.15   | 20.80   |
|                    | 16QAM      | 1       | 0         | 20.20                | 20.29   | 20.20   | 20.80   |
|                    |            | 1       | 2         | 19.92                | 20.28   | 20.10   | 20.80   |
|                    |            | 1       | 5         | 20.05                | 20.23   | 20.27   | 20.80   |
|                    |            | 3       | 0         | 20.21                | 20.33   | 20.19   | 20.80   |
|                    |            | 3       | 2         | 20.15                | 20.17   | 20.16   | 20.80   |
|                    |            | 3       | 3         | 20.09                | 20.21   | 20.18   | 20.80   |
|                    |            | 6       | 0         | 20.22                | 20.17   | 20.18   | 20.80   |
|                    | 64QAM      | 1       | 0         | 20.17                | 20.26   | 20.23   | 20.80   |
|                    |            | 1       | 2         | 19.93                | 20.27   | 20.09   | 20.80   |
|                    |            | 1       | 5         | 20.07                | 20.20   | 20.24   | 20.80   |
|                    |            | 3       | 0         | 20.24                | 20.30   | 20.14   | 20.80   |

|           |            | 3       | 2         | 20.19   | 20.24   | 20.18   | 20.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 20.14   | 20.21   | 20.18   | 20.80   |
|           |            | 6       | 0         | 19.34   | 19.30   | 19.25   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 20.26   | 20.37   | 20.27   | 20.80   |
|           |            | 1       | 7         | 19.97   | 20.26   | 20.16   | 20.80   |
|           |            | 1       | 14        | 20.04   | 20.23   | 20.21   | 20.80   |
|           |            | 8       | 0         | 20.19   | 20.34   | 20.19   | 20.80   |
|           |            | 8       | 4         | 20.20   | 20.23   | 20.17   | 20.80   |
|           |            | 8       | 7         | 20.15   | 20.18   | 20.13   | 20.80   |
|           |            | 15      | 0         | 20.16   | 20.14   | 20.16   | 20.80   |
|           | 16QAM      | 1       | 0         | 20.17   | 20.29   | 20.25   | 20.80   |
|           |            | 1       | 7         | 19.90   | 20.29   | 20.09   | 20.80   |
|           |            | 1       | 14        | 20.06   | 20.23   | 20.25   | 20.80   |
|           |            | 8       | 0         | 20.22   | 20.32   | 20.16   | 20.80   |
|           |            | 8       | 4         | 20.15   | 20.17   | 20.16   | 20.80   |
|           |            | 8       | 7         | 20.13   | 20.18   | 20.17   | 20.80   |
|           |            | 15      | 0         | 20.21   | 20.14   | 20.14   | 20.80   |
|           | 64QAM      | 1       | 0         | 20.20   | 20.29   | 20.25   | 20.80   |
|           |            | 1       | 7         | 19.97   | 20.28   | 20.09   | 20.80   |
|           |            | 1       | 14        | 20.05   | 20.19   | 20.19   | 20.80   |
|           |            | 8       | 0         | 19.93   | 19.75   | 19.59   | 20.80   |
|           |            | 8       | 4         | 19.86   | 19.86   | 19.78   | 20.80   |
|           |            | 8       | 7         | 19.67   | 19.96   | 19.68   | 20.80   |
|           |            | 15      | 0         | 19.83   | 19.85   | 19.58   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.18   | 20.29   | 20.19   | 20.80   |
|           |            | 1       | 13        | 19.87   | 20.21   | 20.09   | 20.80   |
|           |            | 1       | 24        | 19.99   | 20.17   | 20.14   | 20.80   |
|           |            | 12      | 0         | 20.13   | 20.24   | 20.11   | 20.80   |
|           |            | 12      | 6         | 20.15   | 20.15   | 20.12   | 20.80   |
|           |            | 12      | 13        | 20.07   | 20.10   | 20.08   | 20.80   |
|           |            | 25      | 0         | 20.08   | 20.07   | 20.10   | 20.80   |
|           | 16QAM      | 1       | 0         | 20.10   | 20.20   | 20.18   | 20.80   |
|           |            | 1       | 13        | 19.80   | 20.19   | 20.03   | 20.80   |
|           |            | 1       | 24        | 20.00   | 20.17   | 20.18   | 20.80   |
|           |            | 12      | 0         | 20.16   | 20.26   | 20.11   | 20.80   |
|           |            | 12      | 6         | 20.09   | 20.08   | 20.08   | 20.80   |
|           |            | 12      | 13        | 20.03   | 20.09   | 20.09   | 20.80   |
|           |            | 25      | 0         | 20.12   | 20.08   | 20.06   | 20.80   |
|           | 64QAM      | 1       | 0         | 20.13   | 20.24   | 20.15   | 20.80   |
|           |            | 1       | 13        | 19.92   | 20.19   | 20.03   | 20.80   |
|           |            | 1       | 24        | 20.00   | 20.09   | 20.14   | 20.80   |
|           |            | 12      | 0         | 19.86   | 19.69   | 19.52   | 20.80   |
|           |            | 12      | 6         | 19.76   | 19.81   | 19.69   | 20.80   |

|           |            | 12      | 13        | 19.57   | 19.89   | 19.62   | 20.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 19.74   | 19.78   | 19.53   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.17   | 20.27   | 20.21   | 20.80   |
|           |            | 1       | 25        | 19.92   | 20.18   | 20.08   | 20.80   |
|           |            | 1       | 49        | 19.95   | 20.15   | 20.15   | 20.80   |
|           |            | 25      | 0         | 20.12   | 20.28   | 20.13   | 20.80   |
|           |            | 25      | 13        | 20.13   | 20.15   | 20.12   | 20.80   |
|           |            | 25      | 25        | 20.07   | 20.12   | 20.05   | 20.80   |
|           |            | 50      | 0         | 20.10   | 20.04   | 20.10   | 20.80   |
|           | 16QAM      | 1       | 0         | 20.11   | 20.19   | 20.17   | 20.80   |
|           |            | 1       | 25        | 19.82   | 20.24   | 20.00   | 20.80   |
|           |            | 1       | 49        | 19.96   | 20.13   | 20.20   | 20.80   |
|           |            | 25      | 0         | 20.17   | 20.23   | 20.11   | 20.80   |
|           |            | 25      | 13        | 20.08   | 20.10   | 20.07   | 20.80   |
|           |            | 25      | 25        | 20.05   | 20.10   | 20.07   | 20.80   |
|           |            | 50      | 0         | 20.13   | 20.05   | 20.08   | 20.80   |
|           | 64QAM      | 1       | 0         | 20.15   | 20.22   | 20.16   | 20.80   |
|           |            | 1       | 25        | 19.89   | 20.23   | 19.99   | 20.80   |
|           |            | 1       | 49        | 19.97   | 20.14   | 20.09   | 20.80   |
|           |            | 25      | 0         | 19.85   | 19.67   | 19.51   | 20.80   |
|           |            | 25      | 13        | 19.80   | 19.76   | 19.68   | 20.80   |
|           |            | 25      | 25        | 19.57   | 19.87   | 19.58   | 20.80   |
|           |            | 50      | 0         | 19.75   | 19.76   | 19.48   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.16   | 20.27   | 20.19   | 20.80   |
|           |            | 1       | 38        | 19.87   | 20.19   | 20.09   | 20.80   |
|           |            | 1       | 74        | 19.95   | 20.18   | 20.16   | 20.80   |
|           |            | 36      | 0         | 20.12   | 20.26   | 20.13   | 20.80   |
|           |            | 36      | 18        | 20.15   | 20.16   | 20.12   | 20.80   |
|           |            | 36      | 39        | 20.09   | 20.11   | 20.07   | 20.80   |
|           |            | 75      | 0         | 20.11   | 20.08   | 20.06   | 20.80   |
|           | 16QAM      | 1       | 0         | 20.11   | 20.19   | 20.20   | 20.80   |
|           |            | 1       | 38        | 19.85   | 20.19   | 20.00   | 20.80   |
|           |            | 1       | 74        | 19.98   | 20.18   | 20.16   | 20.80   |
|           |            | 36      | 0         | 20.17   | 20.24   | 20.09   | 20.80   |
|           |            | 36      | 18        | 20.05   | 20.09   | 20.09   | 20.80   |
|           |            | 36      | 39        | 20.05   | 20.10   | 20.07   | 20.80   |
|           |            | 75      | 0         | 20.14   | 20.06   | 20.09   | 20.80   |
|           | 64QAM      | 1       | 0         | 20.10   | 20.23   | 20.19   | 20.80   |
|           |            | 1       | 38        | 19.88   | 20.22   | 20.04   | 20.80   |
|           |            | 1       | 74        | 19.96   | 20.11   | 20.14   | 20.80   |
|           |            | 36      | 0         | 19.88   | 19.69   | 19.53   | 20.80   |
|           |            | 36      | 18        | 19.78   | 19.76   | 19.68   | 20.80   |
|           |            | 36      | 39        | 19.58   | 19.89   | 19.58   | 20.80   |

| Bandwidth | Modulation | 75      | 0         | 19.78   | 19.75   | 19.50   | 20.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 20.19   | 20.40   | 20.19   | 20.80   |
|           |            | 1       | 50        | 19.87   | 20.17   | 20.06   | 20.80   |
|           |            | 1       | 99        | 19.96   | 20.18   | 20.13   | 20.80   |
|           |            | 50      | 0         | 20.13   | 20.28   | 20.13   | 20.80   |
|           |            | 50      | 25        | 20.12   | 20.15   | 20.09   | 20.80   |
|           |            | 50      | 50        | 20.06   | 20.10   | 20.07   | 20.80   |
|           |            | 100     | 0         | 20.11   | 20.12   | 20.07   | 20.80   |
|           | 16QAM      | 1       | 0         | 20.12   | 20.24   | 20.19   | 20.80   |
|           |            | 1       | 50        | 19.81   | 20.22   | 20.00   | 20.80   |
|           |            | 1       | 99        | 20.01   | 20.15   | 20.18   | 20.80   |
|           |            | 50      | 0         | 20.12   | 20.27   | 20.11   | 20.80   |
|           |            | 50      | 25        | 20.07   | 20.09   | 20.09   | 20.80   |
|           |            | 50      | 50        | 20.07   | 20.13   | 20.07   | 20.80   |
|           |            | 100     | 0         | 20.11   | 20.06   | 20.04   | 20.80   |
|           | 64QAM      | 1       | 0         | 20.13   | 20.20   | 20.19   | 20.80   |
|           |            | 1       | 50        | 20.18   | 20.18   | 20.01   | 20.80   |
|           |            | 1       | 99        | 20.28   | 20.12   | 20.09   | 20.80   |
|           |            | 50      | 0         | 20.16   | 20.01   | 20.03   | 20.80   |
|           |            | 50      | 25        | 20.11   | 20.03   | 20.03   | 20.80   |
|           |            | 50      | 50        | 19.92   | 20.11   | 20.03   | 20.80   |
|           |            | 100     | 0         | 20.06   | 20.03   | 20.05   | 20.80   |

| LTE Band 4 State 2/4/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 17.46                | 17.60   | 17.49   | 18.30   |
|                        |            | 1       | 2         | 17.20                | 17.51   | 17.37   | 18.30   |
|                        |            | 1       | 5         | 17.25                | 17.42   | 17.43   | 18.30   |
|                        |            | 3       | 0         | 17.47                | 17.59   | 17.43   | 18.30   |
|                        |            | 3       | 2         | 17.45                | 17.43   | 17.44   | 18.30   |
|                        |            | 3       | 3         | 17.37                | 17.42   | 17.37   | 18.30   |
|                        |            | 6       | 0         | 17.36                | 17.42   | 17.38   | 18.30   |
|                        | 16QAM      | 1       | 0         | 17.44                | 17.54   | 17.45   | 18.30   |
|                        |            | 1       | 2         | 17.11                | 17.47   | 17.33   | 18.30   |
|                        |            | 1       | 5         | 17.25                | 17.44   | 17.49   | 18.30   |
|                        |            | 3       | 0         | 17.44                | 17.54   | 17.39   | 18.30   |
|                        |            | 3       | 2         | 17.44                | 17.39   | 17.43   | 18.30   |
|                        |            | 3       | 3         | 17.35                | 17.39   | 17.43   | 18.30   |
|                        |            | 6       | 0         | 17.44                | 17.39   | 17.43   | 18.30   |
|                        | 64QAM      | 1       | 0         | 17.39                | 17.49   | 17.43   | 18.30   |
|                        |            | 1       | 2         | 17.14                | 17.49   | 17.33   | 18.30   |

|           |            | 1       | 5         | 17.30   | 17.44   | 17.43   | 18.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 0         | 17.48   | 17.49   | 17.40   | 18.30   |
|           |            | 3       | 2         | 17.38   | 17.42   | 17.40   | 18.30   |
|           |            | 3       | 3         | 17.36   | 17.42   | 17.36   | 18.30   |
|           |            | 6       | 0         | 17.39   | 17.33   | 17.44   | 18.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 17.44   | 17.58   | 17.47   | 18.30   |
|           |            | 1       | 7         | 17.20   | 17.49   | 17.34   | 18.30   |
|           |            | 1       | 14        | 17.24   | 17.42   | 17.44   | 18.30   |
|           |            | 8       | 0         | 17.48   | 17.57   | 17.40   | 18.30   |
|           |            | 8       | 4         | 17.45   | 17.40   | 17.43   | 18.30   |
|           |            | 8       | 7         | 17.35   | 17.38   | 17.37   | 18.30   |
|           |            | 15      | 0         | 17.37   | 17.41   | 17.36   | 18.30   |
|           | 16QAM      | 1       | 0         | 17.42   | 17.51   | 17.44   | 18.30   |
|           |            | 1       | 7         | 17.12   | 17.49   | 17.37   | 18.30   |
|           |            | 1       | 14        | 17.24   | 17.42   | 17.48   | 18.30   |
|           |            | 8       | 0         | 17.41   | 17.56   | 17.36   | 18.30   |
|           |            | 8       | 4         | 17.43   | 17.41   | 17.40   | 18.30   |
|           |            | 8       | 7         | 17.34   | 17.43   | 17.41   | 18.30   |
|           |            | 15      | 0         | 17.44   | 17.44   | 17.38   | 18.30   |
|           | 64QAM      | 1       | 0         | 17.38   | 17.46   | 17.44   | 18.30   |
|           |            | 1       | 7         | 17.12   | 17.47   | 17.34   | 18.30   |
|           |            | 1       | 14        | 17.27   | 17.45   | 17.45   | 18.30   |
|           |            | 8       | 0         | 17.48   | 17.49   | 17.41   | 18.30   |
|           |            | 8       | 4         | 17.38   | 17.45   | 17.42   | 18.30   |
|           |            | 8       | 7         | 17.34   | 17.42   | 17.38   | 18.30   |
|           |            | 15      | 0         | 17.37   | 17.35   | 17.44   | 18.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.49   | 17.57   | 17.47   | 18.30   |
|           |            | 1       | 13        | 17.15   | 17.51   | 17.35   | 18.30   |
|           |            | 1       | 24        | 17.25   | 17.44   | 17.42   | 18.30   |
|           |            | 12      | 0         | 17.48   | 17.56   | 17.44   | 18.30   |
|           |            | 12      | 6         | 17.46   | 17.43   | 17.44   | 18.30   |
|           |            | 12      | 13        | 17.36   | 17.38   | 17.40   | 18.30   |
|           |            | 25      | 0         | 17.36   | 17.41   | 17.41   | 18.30   |
|           | 16QAM      | 1       | 0         | 17.47   | 17.52   | 17.44   | 18.30   |
|           |            | 1       | 13        | 17.12   | 17.50   | 17.33   | 18.30   |
|           |            | 1       | 24        | 17.27   | 17.46   | 17.49   | 18.30   |
|           |            | 12      | 0         | 17.43   | 17.56   | 17.38   | 18.30   |
|           |            | 12      | 6         | 17.42   | 17.41   | 17.40   | 18.30   |
|           |            | 12      | 13        | 17.35   | 17.39   | 17.39   | 18.30   |
|           |            | 25      | 0         | 17.41   | 17.42   | 17.43   | 18.30   |
|           | 64QAM      | 1       | 0         | 17.38   | 17.48   | 17.44   | 18.30   |
|           |            | 1       | 13        | 17.15   | 17.51   | 17.37   | 18.30   |
|           |            | 1       | 24        | 17.27   | 17.44   | 17.46   | 18.30   |

|           |            | 12      | 0         | 17.47   | 17.49   | 17.38   | 18.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 17.37   | 17.45   | 17.45   | 18.30   |
|           |            | 12      | 13        | 17.38   | 17.42   | 17.36   | 18.30   |
|           |            | 25      | 0         | 17.38   | 17.35   | 17.42   | 18.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.45   | 17.59   | 17.46   | 18.30   |
|           |            | 1       | 25        | 17.19   | 17.49   | 17.37   | 18.30   |
|           |            | 1       | 49        | 17.27   | 17.45   | 17.40   | 18.30   |
|           |            | 25      | 0         | 17.44   | 17.57   | 17.40   | 18.30   |
|           |            | 25      | 13        | 17.43   | 17.42   | 17.41   | 18.30   |
|           |            | 25      | 25        | 17.33   | 17.39   | 17.41   | 18.30   |
|           |            | 50      | 0         | 17.41   | 17.39   | 17.41   | 18.30   |
|           | 16QAM      | 1       | 0         | 17.47   | 17.50   | 17.42   | 18.30   |
|           |            | 1       | 25        | 17.10   | 17.47   | 17.32   | 18.30   |
|           |            | 1       | 49        | 17.28   | 17.44   | 17.51   | 18.30   |
|           |            | 25      | 0         | 17.46   | 17.52   | 17.39   | 18.30   |
|           |            | 25      | 13        | 17.43   | 17.43   | 17.42   | 18.30   |
|           |            | 25      | 25        | 17.35   | 17.40   | 17.38   | 18.30   |
|           |            | 50      | 0         | 17.43   | 17.39   | 17.38   | 18.30   |
|           | 64QAM      | 1       | 0         | 17.39   | 17.48   | 17.42   | 18.30   |
|           |            | 1       | 25        | 17.13   | 17.50   | 17.37   | 18.30   |
|           |            | 1       | 49        | 17.29   | 17.44   | 17.43   | 18.30   |
|           |            | 25      | 0         | 17.47   | 17.53   | 17.39   | 18.30   |
|           |            | 25      | 13        | 17.38   | 17.46   | 17.41   | 18.30   |
|           |            | 25      | 25        | 17.34   | 17.41   | 17.35   | 18.30   |
|           |            | 50      | 0         | 17.39   | 17.36   | 17.45   | 18.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.47   | 17.57   | 17.48   | 18.30   |
|           |            | 1       | 38        | 17.16   | 17.54   | 17.37   | 18.30   |
|           |            | 1       | 74        | 17.26   | 17.44   | 17.40   | 18.30   |
|           |            | 36      | 0         | 17.49   | 17.59   | 17.39   | 18.30   |
|           |            | 36      | 18        | 17.43   | 17.44   | 17.41   | 18.30   |
|           |            | 36      | 39        | 17.37   | 17.42   | 17.38   | 18.30   |
|           |            | 75      | 0         | 17.40   | 17.40   | 17.36   | 18.30   |
|           | 16QAM      | 1       | 0         | 17.47   | 17.53   | 17.42   | 18.30   |
|           |            | 1       | 38        | 17.14   | 17.45   | 17.33   | 18.30   |
|           |            | 1       | 74        | 17.26   | 17.46   | 17.48   | 18.30   |
|           |            | 36      | 0         | 17.44   | 17.55   | 17.35   | 18.30   |
|           |            | 36      | 18        | 17.40   | 17.40   | 17.40   | 18.30   |
|           |            | 36      | 39        | 17.32   | 17.42   | 17.41   | 18.30   |
|           |            | 75      | 0         | 17.45   | 17.40   | 17.38   | 18.30   |
|           | 64QAM      | 1       | 0         | 17.42   | 17.47   | 17.41   | 18.30   |
|           |            | 1       | 38        | 17.17   | 17.49   | 17.35   | 18.30   |
|           |            | 1       | 74        | 17.29   | 17.44   | 17.41   | 18.30   |
|           |            | 36      | 0         | 17.47   | 17.51   | 17.41   | 18.30   |

|           |            | 36      | 18        | 17.40   | 17.44   | 17.40   | 18.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 39        | 17.36   | 17.42   | 17.39   | 18.30   |
|           |            | 75      | 0         | 17.38   | 17.35   | 17.41   | 18.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.48   | 17.61   | 17.44   | 18.30   |
|           |            | 1       | 50        | 17.15   | 17.50   | 17.36   | 18.30   |
|           |            | 1       | 99        | 17.27   | 17.41   | 17.40   | 18.30   |
|           |            | 50      | 0         | 17.48   | 17.58   | 17.45   | 18.30   |
|           |            | 50      | 25        | 17.43   | 17.42   | 17.44   | 18.30   |
|           |            | 50      | 50        | 17.36   | 17.40   | 17.41   | 18.30   |
|           |            | 100     | 0         | 17.40   | 17.44   | 17.41   | 18.30   |
|           | 16QAM      | 1       | 0         | 17.43   | 17.54   | 17.45   | 18.30   |
|           |            | 1       | 50        | 17.12   | 17.46   | 17.33   | 18.30   |
|           |            | 1       | 99        | 17.24   | 17.41   | 17.48   | 18.30   |
|           |            | 50      | 0         | 17.42   | 17.55   | 17.36   | 18.30   |
|           |            | 50      | 25        | 17.41   | 17.41   | 17.39   | 18.30   |
|           |            | 50      | 50        | 17.35   | 17.39   | 17.43   | 18.30   |
|           |            | 100     | 0         | 17.43   | 17.40   | 17.41   | 18.30   |
|           | 64QAM      | 1       | 0         | 17.40   | 17.48   | 17.42   | 18.30   |
|           |            | 1       | 50        | 17.15   | 17.48   | 17.36   | 18.30   |
|           |            | 1       | 99        | 17.30   | 17.44   | 17.43   | 18.30   |
|           |            | 50      | 0         | 17.47   | 17.53   | 17.42   | 18.30   |
|           |            | 50      | 25        | 17.38   | 17.46   | 17.42   | 18.30   |
|           |            | 50      | 50        | 17.39   | 17.42   | 17.38   | 18.30   |
|           |            | 100     | 0         | 17.35   | 17.36   | 17.46   | 18.30   |

| LTE Band 4 State 3/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz               | QPSK       | 1       | 0         | 19.59                | 19.66   | 19.54   | 20.30   |
|                      |            | 1       | 2         | 19.27                | 19.62   | 19.45   | 20.30   |
|                      |            | 1       | 5         | 19.38                | 19.53   | 19.51   | 20.30   |
|                      |            | 3       | 0         | 19.55                | 19.69   | 19.51   | 20.30   |
|                      |            | 3       | 2         | 19.55                | 19.50   | 19.52   | 20.30   |
|                      |            | 3       | 3         | 19.46                | 19.52   | 19.52   | 20.30   |
|                      |            | 6       | 0         | 19.49                | 19.49   | 19.46   | 20.30   |
|                      | 16QAM      | 1       | 0         | 19.55                | 19.65   | 19.54   | 20.30   |
|                      |            | 1       | 2         | 19.25                | 19.56   | 19.46   | 20.30   |
|                      |            | 1       | 5         | 19.35                | 19.52   | 19.61   | 20.30   |
|                      |            | 3       | 0         | 19.52                | 19.65   | 19.49   | 20.30   |
|                      |            | 3       | 2         | 19.53                | 19.49   | 19.52   | 20.30   |
|                      |            | 3       | 3         | 19.45                | 19.52   | 19.48   | 20.30   |
|                      |            | 6       | 0         | 19.54                | 19.52   | 19.48   | 20.30   |
|                      | 64QAM      | 1       | 0         | 19.50                | 19.58   | 19.51   | 20.30   |

|           |            | 1       | 2         | 19.23   | 19.61   | 19.48   | 20.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 5         | 19.37   | 19.51   | 19.51   | 20.30   |
|           |            | 3       | 0         | 19.57   | 19.64   | 19.49   | 20.30   |
|           |            | 3       | 2         | 19.48   | 19.54   | 19.52   | 20.30   |
|           |            | 3       | 3         | 19.48   | 19.52   | 19.45   | 20.30   |
|           |            | 6       | 0         | 19.50   | 19.43   | 19.52   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 19.54   | 19.69   | 19.59   | 20.30   |
|           |            | 1       | 7         | 19.25   | 19.61   | 19.46   | 20.30   |
|           |            | 1       | 14        | 19.38   | 19.50   | 19.55   | 20.30   |
|           |            | 8       | 0         | 19.55   | 19.70   | 19.54   | 20.30   |
|           |            | 8       | 4         | 19.57   | 19.50   | 19.53   | 20.30   |
|           |            | 8       | 7         | 19.42   | 19.49   | 19.51   | 20.30   |
|           |            | 15      | 0         | 19.49   | 19.49   | 19.51   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.54   | 19.65   | 19.53   | 20.30   |
|           |            | 1       | 7         | 19.20   | 19.55   | 19.43   | 20.30   |
|           |            | 1       | 14        | 19.34   | 19.54   | 19.61   | 20.30   |
|           |            | 8       | 0         | 19.55   | 19.66   | 19.48   | 20.30   |
|           |            | 8       | 4         | 19.51   | 19.49   | 19.53   | 20.30   |
|           |            | 8       | 7         | 19.42   | 19.52   | 19.51   | 20.30   |
|           |            | 15      | 0         | 19.53   | 19.52   | 19.48   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.49   | 19.56   | 19.52   | 20.30   |
|           |            | 1       | 7         | 19.24   | 19.62   | 19.44   | 20.30   |
|           |            | 1       | 14        | 19.38   | 19.53   | 19.54   | 20.30   |
|           |            | 8       | 0         | 19.53   | 19.63   | 19.53   | 20.30   |
|           |            | 8       | 4         | 19.51   | 19.53   | 19.54   | 20.30   |
|           |            | 8       | 7         | 19.48   | 19.53   | 19.49   | 20.30   |
|           |            | 15      | 0         | 19.48   | 19.44   | 19.56   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.57   | 19.70   | 19.58   | 20.30   |
|           |            | 1       | 13        | 19.25   | 19.62   | 19.43   | 20.30   |
|           |            | 1       | 24        | 19.39   | 19.54   | 19.53   | 20.30   |
|           |            | 12      | 0         | 19.57   | 19.68   | 19.49   | 20.30   |
|           |            | 12      | 6         | 19.53   | 19.50   | 19.54   | 20.30   |
|           |            | 12      | 13        | 19.42   | 19.52   | 19.51   | 20.30   |
|           |            | 25      | 0         | 19.51   | 19.48   | 19.47   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.52   | 19.61   | 19.53   | 20.30   |
|           |            | 1       | 13        | 19.23   | 19.56   | 19.44   | 20.30   |
|           |            | 1       | 24        | 19.34   | 19.54   | 19.59   | 20.30   |
|           |            | 12      | 0         | 19.53   | 19.62   | 19.50   | 20.30   |
|           |            | 12      | 6         | 19.49   | 19.52   | 19.53   | 20.30   |
|           |            | 12      | 13        | 19.44   | 19.49   | 19.51   | 20.30   |
|           |            | 25      | 0         | 19.52   | 19.49   | 19.50   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.50   | 19.55   | 19.53   | 20.30   |
|           |            | 1       | 13        | 19.23   | 19.62   | 19.45   | 20.30   |

|           |            | 1       | 24        | 19.37   | 19.52   | 19.51   | 20.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 19.53   | 19.62   | 19.53   | 20.30   |
|           |            | 12      | 6         | 19.51   | 19.53   | 19.50   | 20.30   |
|           |            | 12      | 13        | 19.45   | 19.53   | 19.44   | 20.30   |
|           |            | 25      | 0         | 19.49   | 19.48   | 19.55   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.57   | 19.67   | 19.59   | 20.30   |
|           |            | 1       | 25        | 19.29   | 19.60   | 19.46   | 20.30   |
|           |            | 1       | 49        | 19.38   | 19.51   | 19.50   | 20.30   |
|           |            | 25      | 0         | 19.57   | 19.71   | 19.49   | 20.30   |
|           |            | 25      | 13        | 19.52   | 19.49   | 19.49   | 20.30   |
|           |            | 25      | 25        | 19.46   | 19.49   | 19.47   | 20.30   |
|           |            | 50      | 0         | 19.48   | 19.48   | 19.51   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.54   | 19.62   | 19.51   | 20.30   |
|           |            | 1       | 25        | 19.24   | 19.59   | 19.47   | 20.30   |
|           |            | 1       | 49        | 19.39   | 19.51   | 19.57   | 20.30   |
|           |            | 25      | 0         | 19.53   | 19.66   | 19.50   | 20.30   |
|           |            | 25      | 13        | 19.53   | 19.51   | 19.52   | 20.30   |
|           |            | 25      | 25        | 19.42   | 19.50   | 19.48   | 20.30   |
|           |            | 50      | 0         | 19.53   | 19.49   | 19.53   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.49   | 19.57   | 19.52   | 20.30   |
|           |            | 1       | 25        | 19.22   | 19.57   | 19.47   | 20.30   |
|           |            | 1       | 49        | 19.36   | 19.50   | 19.52   | 20.30   |
|           |            | 25      | 0         | 19.57   | 19.59   | 19.49   | 20.30   |
|           |            | 25      | 13        | 19.51   | 19.54   | 19.54   | 20.30   |
|           |            | 25      | 25        | 19.45   | 19.52   | 19.45   | 20.30   |
|           |            | 50      | 0         | 19.45   | 19.45   | 19.56   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.55   | 19.66   | 19.55   | 20.30   |
|           |            | 1       | 38        | 19.25   | 19.64   | 19.44   | 20.30   |
|           |            | 1       | 74        | 19.36   | 19.52   | 19.50   | 20.30   |
|           |            | 36      | 0         | 19.54   | 19.71   | 19.51   | 20.30   |
|           |            | 36      | 18        | 19.54   | 19.51   | 19.52   | 20.30   |
|           |            | 36      | 39        | 19.42   | 19.52   | 19.48   | 20.30   |
|           |            | 75      | 0         | 19.50   | 19.48   | 19.51   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.57   | 19.65   | 19.53   | 20.30   |
|           |            | 1       | 38        | 19.21   | 19.57   | 19.47   | 20.30   |
|           |            | 1       | 74        | 19.37   | 19.55   | 19.59   | 20.30   |
|           |            | 36      | 0         | 19.53   | 19.63   | 19.49   | 20.30   |
|           |            | 36      | 18        | 19.51   | 19.49   | 19.52   | 20.30   |
|           |            | 36      | 39        | 19.44   | 19.52   | 19.49   | 20.30   |
|           |            | 75      | 0         | 19.51   | 19.49   | 19.52   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.48   | 19.60   | 19.50   | 20.30   |
|           |            | 1       | 38        | 19.25   | 19.59   | 19.43   | 20.30   |
|           |            | 1       | 74        | 19.41   | 19.51   | 19.56   | 20.30   |

|           |            | 36      | 0         | 19.57   | 19.59   | 19.49   | 20.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 18        | 19.52   | 19.54   | 19.50   | 20.30   |
|           |            | 36      | 39        | 19.48   | 19.51   | 19.45   | 20.30   |
|           |            | 75      | 0         | 19.50   | 19.43   | 19.53   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 19.59   | 19.75   | 19.57   | 20.30   |
|           |            | 1       | 50        | 19.25   | 19.61   | 19.45   | 20.30   |
|           |            | 1       | 99        | 19.35   | 19.52   | 19.54   | 20.30   |
|           |            | 50      | 0         | 19.56   | 19.67   | 19.55   | 20.30   |
|           |            | 50      | 25        | 19.55   | 19.52   | 19.54   | 20.30   |
|           |            | 50      | 50        | 19.42   | 19.50   | 19.51   | 20.30   |
|           |            | 100     | 0         | 19.47   | 19.48   | 19.46   | 20.30   |
|           | 16QAM      | 1       | 0         | 19.57   | 19.64   | 19.53   | 20.30   |
|           |            | 1       | 50        | 19.20   | 19.56   | 19.43   | 20.30   |
|           |            | 1       | 99        | 19.37   | 19.54   | 19.56   | 20.30   |
|           |            | 50      | 0         | 19.55   | 19.65   | 19.50   | 20.30   |
|           |            | 50      | 25        | 19.54   | 19.48   | 19.52   | 20.30   |
|           |            | 50      | 50        | 19.46   | 19.54   | 19.49   | 20.30   |
|           |            | 100     | 0         | 19.53   | 19.49   | 19.51   | 20.30   |
|           | 64QAM      | 1       | 0         | 19.48   | 19.60   | 19.54   | 20.30   |
|           |            | 1       | 50        | 19.22   | 19.58   | 19.44   | 20.30   |
|           |            | 1       | 99        | 19.41   | 19.53   | 19.54   | 20.30   |
|           |            | 50      | 0         | 19.58   | 19.63   | 19.51   | 20.30   |
|           |            | 50      | 25        | 19.51   | 19.56   | 19.51   | 20.30   |
|           |            | 50      | 50        | 19.49   | 19.51   | 19.45   | 20.30   |
|           |            | 100     | 0         | 19.49   | 19.46   | 19.52   | 20.30   |

| LTE Band 7 State 1 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz               | QPSK       | 1       | 0         | 18.94                | 19.10   | 18.97   | 19.80   |
|                    |            | 1       | 13        | 18.67                | 19.03   | 18.84   | 19.80   |
|                    |            | 1       | 24        | 18.79                | 18.93   | 18.92   | 19.80   |
|                    |            | 12      | 0         | 18.96                | 19.07   | 18.94   | 19.80   |
|                    |            | 12      | 6         | 18.95                | 18.91   | 18.92   | 19.80   |
|                    |            | 12      | 13        | 18.83                | 18.92   | 18.91   | 19.80   |
|                    |            | 25      | 0         | 18.87                | 18.91   | 18.87   | 19.80   |
|                    | 16QAM      | 1       | 0         | 18.93                | 19.04   | 18.92   | 19.80   |
|                    |            | 1       | 13        | 18.65                | 18.97   | 18.87   | 19.80   |
|                    |            | 1       | 24        | 18.76                | 18.95   | 19.01   | 19.80   |
|                    |            | 12      | 0         | 18.94                | 19.07   | 18.87   | 19.80   |
|                    |            | 12      | 6         | 18.90                | 18.91   | 18.88   | 19.80   |
|                    |            | 12      | 13        | 18.84                | 18.90   | 18.89   | 19.80   |
|                    |            | 25      | 0         | 18.94                | 18.90   | 18.89   | 19.80   |

|           |            | 1       | 0         | 18.89   | 19.00   | 18.94   | 19.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 13        | 18.67   | 19.00   | 18.86   | 19.80   |
|           |            | 1       | 24        | 18.76   | 18.90   | 18.95   | 19.80   |
|           | 64QAM      | 12      | 0         | 18.98   | 19.03   | 18.93   | 19.80   |
|           |            | 12      | 6         | 18.88   | 18.93   | 18.93   | 19.80   |
|           |            | 12      | 13        | 18.89   | 18.92   | 18.86   | 19.80   |
|           |            | 25      | 0         | 18.90   | 18.85   | 18.94   | 19.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20800   | 21100   | 21400   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.98   | 19.06   | 18.96   | 19.80   |
|           |            | 1       | 25        | 18.67   | 19.04   | 18.86   | 19.80   |
|           |            | 1       | 49        | 18.76   | 18.91   | 18.95   | 19.80   |
|           |            | 25      | 0         | 18.97   | 19.10   | 18.89   | 19.80   |
|           |            | 25      | 13        | 18.94   | 18.91   | 18.94   | 19.80   |
|           |            | 25      | 25        | 18.82   | 18.90   | 18.91   | 19.80   |
|           |            | 50      | 0         | 18.91   | 18.91   | 18.88   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.97   | 19.00   | 18.93   | 19.80   |
|           |            | 1       | 25        | 18.64   | 18.97   | 18.87   | 19.80   |
|           |            | 1       | 49        | 18.75   | 18.96   | 18.98   | 19.80   |
|           |            | 25      | 0         | 18.92   | 19.03   | 18.88   | 19.80   |
|           |            | 25      | 13        | 18.94   | 18.88   | 18.88   | 19.80   |
|           |            | 25      | 25        | 18.82   | 18.94   | 18.89   | 19.80   |
|           |            | 50      | 0         | 18.94   | 18.92   | 18.91   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.91   | 18.99   | 18.95   | 19.80   |
|           |            | 1       | 25        | 18.63   | 19.02   | 18.84   | 19.80   |
|           |            | 1       | 49        | 18.79   | 18.93   | 18.91   | 19.80   |
|           |            | 25      | 0         | 18.96   | 19.01   | 18.91   | 19.80   |
|           |            | 25      | 13        | 18.89   | 18.95   | 18.91   | 19.80   |
|           |            | 25      | 25        | 18.86   | 18.92   | 18.86   | 19.80   |
|           |            | 50      | 0         | 18.88   | 18.86   | 18.93   | 19.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.95   | 19.06   | 18.98   | 19.80   |
|           |            | 1       | 38        | 18.70   | 19.01   | 18.86   | 19.80   |
|           |            | 1       | 74        | 18.79   | 18.95   | 18.94   | 19.80   |
|           |            | 36      | 0         | 18.97   | 19.06   | 18.93   | 19.80   |
|           |            | 36      | 18        | 18.93   | 18.92   | 18.92   | 19.80   |
|           |            | 36      | 39        | 18.82   | 18.91   | 18.89   | 19.80   |
|           |            | 75      | 0         | 18.87   | 18.91   | 18.90   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.94   | 19.02   | 18.90   | 19.80   |
|           |            | 1       | 38        | 18.60   | 18.96   | 18.87   | 19.80   |
|           |            | 1       | 74        | 18.74   | 18.92   | 18.99   | 19.80   |
|           |            | 36      | 0         | 18.91   | 19.07   | 18.85   | 19.80   |
|           |            | 36      | 18        | 18.93   | 18.93   | 18.90   | 19.80   |
|           |            | 36      | 39        | 18.87   | 18.94   | 18.89   | 19.80   |
|           |            | 75      | 0         | 18.94   | 18.90   | 18.93   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.89   | 18.95   | 18.90   | 19.80   |

|           |            | 1       | 38        | 18.65   | 19.00   | 18.85   | 19.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 74        | 18.78   | 18.92   | 18.96   | 19.80   |
|           |            | 36      | 0         | 18.95   | 18.99   | 18.92   | 19.80   |
|           |            | 36      | 18        | 18.92   | 18.91   | 18.95   | 19.80   |
|           |            | 36      | 39        | 18.87   | 18.93   | 18.89   | 19.80   |
|           |            | 75      | 0         | 18.87   | 18.86   | 18.95   | 19.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.98   | 19.10   | 18.96   | 19.80   |
|           |            | 1       | 50        | 18.65   | 18.99   | 18.85   | 19.80   |
|           |            | 1       | 99        | 18.75   | 18.92   | 18.94   | 19.80   |
|           |            | 50      | 0         | 18.97   | 19.09   | 19.00   | 19.80   |
|           |            | 50      | 25        | 18.93   | 18.89   | 18.89   | 19.80   |
|           |            | 50      | 50        | 18.83   | 18.92   | 18.88   | 19.80   |
|           |            | 100     | 0         | 18.90   | 18.91   | 18.86   | 19.80   |
|           | 16QAM      | 1       | 0         | 18.96   | 19.03   | 18.92   | 19.80   |
|           |            | 1       | 50        | 18.64   | 18.97   | 18.84   | 19.80   |
|           |            | 1       | 99        | 18.77   | 18.93   | 18.99   | 19.80   |
|           |            | 50      | 0         | 18.96   | 19.04   | 18.88   | 19.80   |
|           |            | 50      | 25        | 18.92   | 18.93   | 18.89   | 19.80   |
|           |            | 50      | 50        | 18.83   | 18.89   | 18.89   | 19.80   |
|           |            | 100     | 0         | 18.90   | 18.91   | 18.90   | 19.80   |
|           | 64QAM      | 1       | 0         | 18.92   | 18.96   | 18.92   | 19.80   |
|           |            | 1       | 50        | 18.65   | 18.99   | 18.84   | 19.80   |
|           |            | 1       | 99        | 18.76   | 18.94   | 18.91   | 19.80   |
|           |            | 50      | 0         | 18.95   | 19.03   | 18.93   | 19.80   |
|           |            | 50      | 25        | 18.87   | 18.91   | 18.94   | 19.80   |
|           |            | 50      | 50        | 18.84   | 18.91   | 18.85   | 19.80   |
|           |            | 100     | 0         | 18.88   | 18.87   | 18.94   | 19.80   |

| LTE Band 7 State 2/4/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                   | QPSK       | 1       | 0         | 16.09                | 16.21   | 16.04   | 16.80   |
|                        |            | 1       | 13        | 15.78                | 16.13   | 15.97   | 16.80   |
|                        |            | 1       | 24        | 15.84                | 16.02   | 16.02   | 16.80   |
|                        |            | 12      | 0         | 16.07                | 16.18   | 16.00   | 16.80   |
|                        |            | 12      | 6         | 16.04                | 16.03   | 16.00   | 16.80   |
|                        |            | 12      | 13        | 15.96                | 15.99   | 16.00   | 16.80   |
|                        |            | 25      | 0         | 16.01                | 15.98   | 16.00   | 16.80   |
|                        | 16QAM      | 1       | 0         | 16.07                | 16.12   | 16.02   | 16.80   |
|                        |            | 1       | 13        | 15.74                | 16.05   | 15.92   | 16.80   |
|                        |            | 1       | 24        | 15.87                | 16.06   | 16.06   | 16.80   |
|                        |            | 12      | 0         | 16.03                | 16.13   | 15.97   | 16.80   |
|                        |            | 12      | 6         | 16.01                | 16.01   | 16.01   | 16.80   |

|           |            | 12      | 13        | 15.92   | 15.99   | 16.03   | 16.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 16.05   | 16.03   | 16.03   | 16.80   |
|           | 64QAM      | 1       | 0         | 15.98   | 16.07   | 16.03   | 16.80   |
|           |            | 1       | 13        | 15.72   | 16.09   | 15.93   | 16.80   |
|           |            | 1       | 24        | 15.87   | 16.03   | 16.04   | 16.80   |
|           |            | 12      | 0         | 16.05   | 16.09   | 15.99   | 16.80   |
|           |            | 12      | 6         | 15.98   | 16.01   | 16.03   | 16.80   |
|           |            | 12      | 13        | 15.95   | 16.03   | 15.99   | 16.80   |
|           |            | 25      | 0         | 15.97   | 15.96   | 16.06   | 16.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20800   | 21100   | 21400   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.08   | 16.16   | 16.09   | 16.80   |
|           |            | 1       | 25        | 15.75   | 16.11   | 15.97   | 16.80   |
|           |            | 1       | 49        | 15.88   | 16.01   | 16.00   | 16.80   |
|           |            | 25      | 0         | 16.07   | 16.17   | 15.99   | 16.80   |
|           |            | 25      | 13        | 16.02   | 16.04   | 16.02   | 16.80   |
|           |            | 25      | 25        | 15.97   | 16.00   | 15.97   | 16.80   |
|           |            | 50      | 0         | 15.97   | 15.97   | 15.98   | 16.80   |
|           | 16QAM      | 1       | 0         | 16.05   | 16.11   | 16.04   | 16.80   |
|           |            | 1       | 25        | 15.73   | 16.05   | 15.96   | 16.80   |
|           |            | 1       | 49        | 15.86   | 16.03   | 16.08   | 16.80   |
|           |            | 25      | 0         | 16.06   | 16.16   | 15.97   | 16.80   |
|           |            | 25      | 13        | 15.99   | 16.02   | 16.02   | 16.80   |
|           |            | 25      | 25        | 15.94   | 16.04   | 16.01   | 16.80   |
|           |            | 50      | 0         | 16.05   | 15.99   | 16.01   | 16.80   |
|           | 64QAM      | 1       | 0         | 15.98   | 16.08   | 16.05   | 16.80   |
|           |            | 1       | 25        | 15.72   | 16.07   | 15.94   | 16.80   |
|           |            | 1       | 49        | 15.91   | 16.05   | 16.04   | 16.80   |
|           |            | 25      | 0         | 16.08   | 16.09   | 16.02   | 16.80   |
|           |            | 25      | 13        | 15.99   | 16.05   | 16.00   | 16.80   |
|           |            | 25      | 25        | 15.96   | 16.01   | 15.96   | 16.80   |
|           |            | 50      | 0         | 15.96   | 15.95   | 16.02   | 16.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 16.04   | 16.16   | 16.07   | 16.80   |
|           |            | 1       | 38        | 15.80   | 16.12   | 15.94   | 16.80   |
|           |            | 1       | 74        | 15.86   | 16.00   | 16.00   | 16.80   |
|           |            | 36      | 0         | 16.08   | 16.19   | 16.04   | 16.80   |
|           |            | 36      | 18        | 16.05   | 15.99   | 16.03   | 16.80   |
|           |            | 36      | 39        | 15.92   | 16.01   | 16.01   | 16.80   |
|           |            | 75      | 0         | 15.97   | 16.01   | 15.99   | 16.80   |
|           | 16QAM      | 1       | 0         | 16.03   | 16.14   | 16.04   | 16.80   |
|           |            | 1       | 38        | 15.75   | 16.07   | 15.97   | 16.80   |
|           |            | 1       | 74        | 15.86   | 16.04   | 16.10   | 16.80   |
|           |            | 36      | 0         | 16.02   | 16.15   | 15.99   | 16.80   |
|           |            | 36      | 18        | 15.99   | 16.02   | 15.98   | 16.80   |
|           |            | 36      | 39        | 15.94   | 15.99   | 15.99   | 16.80   |

|           |            | 75      | 0         | 16.00   | 16.01   | 16.00   | 16.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 64QAM      | 1       | 0         | 15.99   | 16.08   | 16.01   | 16.80   |
|           |            | 1       | 38        | 15.77   | 16.12   | 15.95   | 16.80   |
|           |            | 1       | 74        | 15.86   | 16.05   | 16.02   | 16.80   |
|           |            | 36      | 0         | 16.05   | 16.09   | 16.02   | 16.80   |
|           |            | 36      | 18        | 15.97   | 16.01   | 16.01   | 16.80   |
|           |            | 36      | 39        | 15.98   | 16.02   | 15.94   | 16.80   |
|           |            | 75      | 0         | 15.99   | 15.94   | 16.05   | 16.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 16.07   | 16.19   | 16.09   | 16.80   |
|           |            | 1       | 50        | 15.78   | 16.09   | 15.98   | 16.80   |
|           |            | 1       | 99        | 15.85   | 16.04   | 16.04   | 16.80   |
|           |            | 50      | 0         | 16.15   | 16.18   | 16.14   | 16.80   |
|           |            | 50      | 25        | 16.06   | 16.00   | 16.03   | 16.80   |
|           |            | 50      | 50        | 15.94   | 15.97   | 16.00   | 16.80   |
|           |            | 100     | 0         | 16.01   | 16.11   | 15.96   | 16.80   |
|           | 16QAM      | 1       | 0         | 16.06   | 16.12   | 16.04   | 16.80   |
|           |            | 1       | 50        | 15.72   | 16.07   | 15.94   | 16.80   |
|           |            | 1       | 99        | 15.85   | 16.02   | 16.10   | 16.80   |
|           |            | 50      | 0         | 16.01   | 16.14   | 16.00   | 16.80   |
|           |            | 50      | 25        | 16.04   | 16.03   | 16.03   | 16.80   |
|           |            | 50      | 50        | 15.94   | 16.03   | 15.98   | 16.80   |
|           |            | 100     | 0         | 16.00   | 16.02   | 16.00   | 16.80   |
|           | 64QAM      | 1       | 0         | 16.00   | 16.05   | 16.01   | 16.80   |
|           |            | 1       | 50        | 15.75   | 16.11   | 15.96   | 16.80   |
|           |            | 1       | 99        | 15.88   | 16.01   | 16.04   | 16.80   |
|           |            | 50      | 0         | 16.08   | 16.10   | 16.02   | 16.80   |
|           |            | 50      | 25        | 15.97   | 16.02   | 16.00   | 16.80   |
|           |            | 50      | 50        | 15.99   | 16.00   | 15.97   | 16.80   |
|           |            | 100     | 0         | 15.97   | 15.97   | 16.06   | 16.80   |

| LTE Band 7 State 3/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                 | QPSK       | 1       | 0         | 18.49                | 18.61   | 18.45   | 19.30   |
|                      |            | 1       | 13        | 18.20                | 18.49   | 18.35   | 19.30   |
|                      |            | 1       | 24        | 18.29                | 18.43   | 18.42   | 19.30   |
|                      |            | 12      | 0         | 18.49                | 18.58   | 18.39   | 19.30   |
|                      |            | 12      | 6         | 18.45                | 18.39   | 18.42   | 19.30   |
|                      |            | 12      | 13        | 18.32                | 18.37   | 18.39   | 19.30   |
|                      |            | 25      | 0         | 18.40                | 18.41   | 18.41   | 19.30   |
|                      | 16QAM      | 1       | 0         | 18.46                | 18.51   | 18.45   | 19.30   |
|                      |            | 1       | 13        | 18.13                | 18.50   | 18.32   | 19.30   |
|                      |            | 1       | 24        | 18.28                | 18.46   | 18.47   | 19.30   |

|           |            | 12      | 0         | 18.44   | 18.54   | 18.38   | 19.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 18.40   | 18.39   | 18.41   | 19.30   |
|           |            | 12      | 13        | 18.32   | 18.44   | 18.41   | 19.30   |
|           |            | 25      | 0         | 18.40   | 18.42   | 18.41   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.43   | 18.46   | 18.42   | 19.30   |
|           |            | 1       | 13        | 18.12   | 18.50   | 18.33   | 19.30   |
|           |            | 1       | 24        | 18.27   | 18.45   | 18.43   | 19.30   |
|           |            | 12      | 0         | 18.44   | 18.50   | 18.39   | 19.30   |
|           |            | 12      | 6         | 18.40   | 18.41   | 18.44   | 19.30   |
|           |            | 12      | 13        | 18.37   | 18.41   | 18.35   | 19.30   |
|           |            | 25      | 0         | 18.35   | 18.35   | 18.46   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20800   | 21100   | 21400   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.44   | 18.57   | 18.46   | 19.30   |
|           |            | 1       | 25        | 18.16   | 18.53   | 18.35   | 19.30   |
|           |            | 1       | 49        | 18.28   | 18.40   | 18.44   | 19.30   |
|           |            | 25      | 0         | 18.46   | 18.57   | 18.41   | 19.30   |
|           |            | 25      | 13        | 18.47   | 18.40   | 18.44   | 19.30   |
|           |            | 25      | 25        | 18.32   | 18.39   | 18.41   | 19.30   |
|           |            | 50      | 0         | 18.39   | 18.42   | 18.41   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.45   | 18.50   | 18.44   | 19.30   |
|           |            | 1       | 25        | 18.15   | 18.50   | 18.33   | 19.30   |
|           |            | 1       | 49        | 18.25   | 18.42   | 18.50   | 19.30   |
|           |            | 25      | 0         | 18.46   | 18.53   | 18.38   | 19.30   |
|           |            | 25      | 13        | 18.44   | 18.38   | 18.41   | 19.30   |
|           |            | 25      | 25        | 18.36   | 18.44   | 18.43   | 19.30   |
|           |            | 50      | 0         | 18.41   | 18.39   | 18.43   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.39   | 18.46   | 18.44   | 19.30   |
|           |            | 1       | 25        | 18.12   | 18.49   | 18.35   | 19.30   |
|           |            | 1       | 49        | 18.29   | 18.40   | 18.43   | 19.30   |
|           |            | 25      | 0         | 18.44   | 18.51   | 18.39   | 19.30   |
|           |            | 25      | 13        | 18.41   | 18.41   | 18.40   | 19.30   |
|           |            | 25      | 25        | 18.37   | 18.42   | 18.39   | 19.30   |
|           |            | 50      | 0         | 18.36   | 18.36   | 18.43   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.45   | 18.61   | 18.47   | 19.30   |
|           |            | 1       | 38        | 18.16   | 18.53   | 18.34   | 19.30   |
|           |            | 1       | 74        | 18.28   | 18.42   | 18.45   | 19.30   |
|           |            | 36      | 0         | 18.46   | 18.60   | 18.43   | 19.30   |
|           |            | 36      | 18        | 18.47   | 18.42   | 18.44   | 19.30   |
|           |            | 36      | 39        | 18.36   | 18.41   | 18.40   | 19.30   |
|           |            | 75      | 0         | 18.39   | 18.42   | 18.39   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.47   | 18.55   | 18.41   | 19.30   |
|           |            | 1       | 38        | 18.15   | 18.50   | 18.33   | 19.30   |
|           |            | 1       | 74        | 18.28   | 18.41   | 18.49   | 19.30   |
|           |            | 36      | 0         | 18.46   | 18.56   | 18.38   | 19.30   |

|           |            | 36      | 18        | 18.41   | 18.43   | 18.40   | 19.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 39        | 18.36   | 18.42   | 18.41   | 19.30   |
|           |            | 75      | 0         | 18.45   | 18.44   | 18.39   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.40   | 18.48   | 18.41   | 19.30   |
|           |            | 1       | 38        | 18.17   | 18.48   | 18.33   | 19.30   |
|           |            | 1       | 74        | 18.30   | 18.43   | 18.45   | 19.30   |
|           |            | 36      | 0         | 18.46   | 18.54   | 18.40   | 19.30   |
|           |            | 36      | 18        | 18.38   | 18.44   | 18.44   | 19.30   |
|           |            | 36      | 39        | 18.36   | 18.40   | 18.38   | 19.30   |
|           |            | 75      | 0         | 18.37   | 18.33   | 18.43   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.49   | 18.62   | 18.48   | 19.30   |
|           |            | 1       | 50        | 18.20   | 18.53   | 18.34   | 19.30   |
|           |            | 1       | 99        | 18.26   | 18.42   | 18.43   | 19.30   |
|           |            | 50      | 0         | 18.47   | 18.58   | 18.44   | 19.30   |
|           |            | 50      | 25        | 18.47   | 18.43   | 18.42   | 19.30   |
|           |            | 50      | 50        | 18.37   | 18.42   | 18.38   | 19.30   |
|           |            | 100     | 0         | 18.39   | 18.39   | 18.38   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.44   | 18.50   | 18.43   | 19.30   |
|           |            | 1       | 50        | 18.10   | 18.45   | 18.36   | 19.30   |
|           |            | 1       | 99        | 18.29   | 18.43   | 18.49   | 19.30   |
|           |            | 50      | 0         | 18.44   | 18.56   | 18.35   | 19.30   |
|           |            | 50      | 25        | 18.42   | 18.42   | 18.41   | 19.30   |
|           |            | 50      | 50        | 18.33   | 18.43   | 18.38   | 19.30   |
|           |            | 100     | 0         | 18.40   | 18.41   | 18.42   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.39   | 18.50   | 18.42   | 19.30   |
|           |            | 1       | 50        | 18.17   | 18.49   | 18.33   | 19.30   |
|           |            | 1       | 99        | 18.30   | 18.44   | 18.43   | 19.30   |
|           |            | 50      | 0         | 18.45   | 18.51   | 18.43   | 19.30   |
|           |            | 50      | 25        | 18.37   | 18.41   | 18.40   | 19.30   |
|           |            | 50      | 50        | 18.37   | 18.42   | 18.34   | 19.30   |
|           |            | 100     | 0         | 18.37   | 18.35   | 18.42   | 19.30   |

| LTE Band 38 State 1 |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz                | QPSK       | 1       | 0         | 21.80                | 21.79   | 21.69   | 22.80   |
|                     |            | 1       | 13        | 21.81                | 21.78   | 21.67   | 22.80   |
|                     |            | 1       | 24        | 21.68                | 21.76   | 21.72   | 22.80   |
|                     |            | 12      | 0         | 21.57                | 21.49   | 21.57   | 22.80   |
|                     |            | 12      | 6         | 21.52                | 21.48   | 21.61   | 22.80   |
|                     |            | 12      | 13        | 21.49                | 21.59   | 21.69   | 22.80   |
|                     |            | 25      | 0         | 21.49                | 21.44   | 21.62   | 22.80   |
|                     | 16QAM      | 1       | 0         | 21.57                | 21.47   | 21.57   | 22.80   |

|           |            | 1       | 13        | 21.55   | 21.52   | 21.60   | 22.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 24        | 21.44   | 21.57   | 21.69   | 22.80   |
|           |            | 12      | 0         | 20.54   | 20.52   | 20.62   | 21.80   |
|           |            | 12      | 6         | 20.47   | 20.43   | 20.62   | 21.80   |
|           |            | 12      | 13        | 20.44   | 20.49   | 20.67   | 21.80   |
|           |            | 25      | 0         | 20.50   | 20.51   | 20.69   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.83   | 20.72   | 20.72   | 21.80   |
|           |            | 1       | 13        | 20.81   | 20.80   | 20.82   | 21.80   |
|           |            | 1       | 24        | 20.64   | 20.70   | 20.92   | 21.80   |
|           |            | 12      | 0         | 19.62   | 19.53   | 19.58   | 20.80   |
|           |            | 12      | 6         | 19.53   | 19.40   | 19.59   | 20.80   |
|           |            | 12      | 13        | 19.39   | 19.52   | 19.66   | 20.80   |
|           |            | 25      | 0         | 19.58   | 19.59   | 19.66   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37800   | 38000   | 38200   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.71   | 21.70   | 21.61   | 22.80   |
|           |            | 1       | 25        | 21.73   | 21.68   | 21.58   | 22.80   |
|           |            | 1       | 49        | 21.58   | 21.67   | 21.67   | 22.80   |
|           |            | 25      | 0         | 21.47   | 21.41   | 21.51   | 22.80   |
|           |            | 25      | 13        | 21.43   | 21.38   | 21.54   | 22.80   |
|           |            | 25      | 25        | 21.42   | 21.50   | 21.62   | 22.80   |
|           |            | 50      | 0         | 21.40   | 21.36   | 21.54   | 22.80   |
|           | 16QAM      | 1       | 0         | 21.51   | 21.37   | 21.50   | 22.80   |
|           |            | 1       | 25        | 21.50   | 21.42   | 21.52   | 22.80   |
|           |            | 1       | 49        | 21.35   | 21.52   | 21.61   | 22.80   |
|           |            | 25      | 0         | 20.47   | 20.46   | 20.57   | 21.80   |
|           |            | 25      | 13        | 20.38   | 20.36   | 20.55   | 21.80   |
|           |            | 25      | 25        | 20.36   | 20.41   | 20.58   | 21.80   |
|           |            | 50      | 0         | 20.45   | 20.43   | 20.63   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.77   | 20.66   | 20.66   | 21.80   |
|           |            | 1       | 25        | 20.75   | 20.70   | 20.77   | 21.80   |
|           |            | 1       | 49        | 20.59   | 20.62   | 20.86   | 21.80   |
|           |            | 25      | 0         | 19.54   | 19.47   | 19.49   | 20.80   |
|           |            | 25      | 13        | 19.44   | 19.30   | 19.49   | 20.80   |
|           |            | 25      | 25        | 19.31   | 19.47   | 19.57   | 20.80   |
|           |            | 50      | 0         | 19.49   | 19.49   | 19.59   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37825   | 38000   | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.74   | 21.73   | 21.60   | 22.80   |
|           |            | 1       | 38        | 21.74   | 21.71   | 21.57   | 22.80   |
|           |            | 1       | 74        | 21.62   | 21.69   | 21.64   | 22.80   |
|           |            | 36      | 0         | 21.52   | 21.43   | 21.49   | 22.80   |
|           |            | 36      | 18        | 21.46   | 21.41   | 21.54   | 22.80   |
|           |            | 36      | 39        | 21.41   | 21.49   | 21.59   | 22.80   |
|           |            | 75      | 0         | 21.41   | 21.35   | 21.54   | 22.80   |
|           | 16QAM      | 1       | 0         | 21.49   | 21.41   | 21.50   | 22.80   |
|           |            | 1       | 38        | 21.50   | 21.44   | 21.51   | 22.80   |

|           |            | 1       | 74        | 21.36   | 21.49   | 21.62   | 22.80   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 0         | 20.44   | 20.44   | 20.55   | 21.80   |
|           |            | 36      | 18        | 20.41   | 20.37   | 20.55   | 21.80   |
|           |            | 36      | 39        | 20.36   | 20.43   | 20.58   | 21.80   |
|           |            | 75      | 0         | 20.44   | 20.43   | 20.62   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.75   | 20.67   | 20.67   | 21.80   |
|           |            | 1       | 38        | 20.71   | 20.70   | 20.72   | 21.80   |
|           |            | 1       | 74        | 20.54   | 20.64   | 20.82   | 21.80   |
|           |            | 36      | 0         | 19.55   | 19.45   | 19.53   | 20.80   |
|           |            | 36      | 18        | 19.43   | 19.31   | 19.50   | 20.80   |
|           |            | 36      | 39        | 19.31   | 19.44   | 19.59   | 20.80   |
|           |            | 75      | 0         | 19.48   | 19.49   | 19.61   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37850   | 38000   | 38150   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.75   | 21.78   | 21.59   | 22.80   |
|           |            | 1       | 50        | 21.75   | 21.68   | 21.57   | 22.80   |
|           |            | 1       | 99        | 21.59   | 21.66   | 21.62   | 22.80   |
|           |            | 50      | 0         | 21.47   | 21.65   | 21.52   | 22.80   |
|           |            | 50      | 25        | 21.45   | 21.43   | 21.56   | 22.80   |
|           |            | 50      | 50        | 21.41   | 21.49   | 21.61   | 22.80   |
|           |            | 100     | 0         | 21.40   | 21.36   | 21.56   | 22.80   |
|           | 16QAM      | 1       | 0         | 21.49   | 21.41   | 21.51   | 22.80   |
|           |            | 1       | 50        | 21.50   | 21.45   | 21.52   | 22.80   |
|           |            | 1       | 99        | 21.37   | 21.47   | 21.63   | 22.80   |
|           |            | 50      | 0         | 20.49   | 20.47   | 20.53   | 21.80   |
|           |            | 50      | 25        | 20.42   | 20.34   | 20.56   | 21.80   |
|           |            | 50      | 50        | 20.37   | 20.44   | 20.59   | 21.80   |
|           |            | 100     | 0         | 20.44   | 20.43   | 20.62   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.73   | 20.62   | 20.65   | 21.80   |
|           |            | 1       | 50        | 20.72   | 20.73   | 20.75   | 21.80   |
|           |            | 1       | 99        | 20.57   | 20.60   | 20.86   | 21.80   |
|           |            | 50      | 0         | 19.56   | 19.48   | 19.49   | 20.80   |
|           |            | 50      | 25        | 19.46   | 19.30   | 19.52   | 20.80   |
|           |            | 50      | 50        | 19.32   | 19.45   | 19.58   | 20.80   |
|           |            | 100     | 0         | 19.48   | 19.50   | 19.57   | 20.80   |

| LTE Band 38 State 2/4/6 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz                    | QPSK       | 1       | 0         | 18.26                | 18.39   | 18.26   | 19.30   |
|                         |            | 1       | 13        | 17.97                | 18.29   | 18.16   | 19.30   |
|                         |            | 1       | 24        | 18.06                | 18.24   | 18.22   | 19.30   |
|                         |            | 12      | 0         | 18.28                | 18.39   | 18.23   | 19.30   |
|                         |            | 12      | 6         | 18.24                | 18.22   | 18.19   | 19.30   |
|                         |            | 12      | 13        | 18.13                | 18.18   | 18.22   | 19.30   |

|           | 16QAM      | 25      | 0         | 18.17   | 18.19   | 18.18   | 19.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 18.25   | 18.33   | 18.25   | 19.30   |
|           |            | 1       | 13        | 17.90   | 18.28   | 18.12   | 19.30   |
|           |            | 1       | 24        | 18.09   | 18.24   | 18.26   | 19.30   |
|           |            | 12      | 0         | 18.22   | 18.36   | 18.18   | 19.30   |
|           |            | 12      | 6         | 18.19   | 18.21   | 18.22   | 19.30   |
|           |            | 12      | 13        | 18.13   | 18.21   | 18.21   | 19.30   |
|           |            | 25      | 0         | 18.24   | 18.22   | 18.18   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.22   | 18.26   | 18.21   | 19.30   |
|           |            | 1       | 13        | 17.93   | 18.30   | 18.16   | 19.30   |
|           |            | 1       | 24        | 18.08   | 18.25   | 18.23   | 19.30   |
|           |            | 12      | 0         | 18.25   | 18.31   | 18.18   | 19.30   |
|           |            | 12      | 6         | 18.22   | 18.21   | 18.25   | 19.30   |
|           |            | 12      | 13        | 18.18   | 18.18   | 18.19   | 19.30   |
|           |            | 25      | 0         | 18.15   | 18.15   | 18.21   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37800   | 38000   | 38200   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.29   | 18.39   | 18.28   | 19.30   |
|           |            | 1       | 25        | 17.98   | 18.30   | 18.14   | 19.30   |
|           |            | 1       | 49        | 18.07   | 18.21   | 18.24   | 19.30   |
|           |            | 25      | 0         | 18.25   | 18.37   | 18.23   | 19.30   |
|           |            | 25      | 13        | 18.22   | 18.22   | 18.21   | 19.30   |
|           |            | 25      | 25        | 18.17   | 18.17   | 18.18   | 19.30   |
|           |            | 50      | 0         | 18.17   | 18.19   | 18.21   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.24   | 18.34   | 18.23   | 19.30   |
|           |            | 1       | 25        | 17.94   | 18.25   | 18.13   | 19.30   |
|           |            | 1       | 49        | 18.04   | 18.25   | 18.26   | 19.30   |
|           |            | 25      | 0         | 18.22   | 18.32   | 18.20   | 19.30   |
|           |            | 25      | 13        | 18.21   | 18.18   | 18.23   | 19.30   |
|           |            | 25      | 25        | 18.16   | 18.23   | 18.22   | 19.30   |
|           |            | 50      | 0         | 18.24   | 18.20   | 18.19   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.22   | 18.27   | 18.20   | 19.30   |
|           |            | 1       | 25        | 17.95   | 18.31   | 18.18   | 19.30   |
|           |            | 1       | 49        | 18.10   | 18.21   | 18.24   | 19.30   |
|           |            | 25      | 0         | 18.23   | 18.33   | 18.22   | 19.30   |
|           |            | 25      | 13        | 18.17   | 18.23   | 18.21   | 19.30   |
|           |            | 25      | 25        | 18.15   | 18.23   | 18.19   | 19.30   |
|           |            | 50      | 0         | 18.17   | 18.15   | 18.24   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37825   | 38000   | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.24   | 18.40   | 18.25   | 19.30   |
|           |            | 1       | 38        | 17.96   | 18.31   | 18.16   | 19.30   |
|           |            | 1       | 74        | 18.08   | 18.24   | 18.22   | 19.30   |
|           |            | 36      | 0         | 18.28   | 18.41   | 18.24   | 19.30   |
|           |            | 36      | 18        | 18.26   | 18.22   | 18.19   | 19.30   |
|           |            | 36      | 39        | 18.17   | 18.20   | 18.20   | 19.30   |
|           |            | 75      | 0         | 18.16   | 18.21   | 18.21   | 19.30   |

|           | 16QAM      | 1       | 0         | 18.25   | 18.30   | 18.24   | 19.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 38        | 17.90   | 18.28   | 18.16   | 19.30   |
|           |            | 1       | 74        | 18.05   | 18.24   | 18.26   | 19.30   |
|           |            | 36      | 0         | 18.25   | 18.34   | 18.16   | 19.30   |
|           |            | 36      | 18        | 18.20   | 18.21   | 18.22   | 19.30   |
|           |            | 36      | 39        | 18.13   | 18.23   | 18.22   | 19.30   |
|           |            | 75      | 0         | 18.20   | 18.24   | 18.21   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.18   | 18.28   | 18.24   | 19.30   |
|           |            | 1       | 38        | 17.92   | 18.27   | 18.13   | 19.30   |
|           |            | 1       | 74        | 18.11   | 18.24   | 18.24   | 19.30   |
|           |            | 36      | 0         | 18.27   | 18.32   | 18.19   | 19.30   |
|           |            | 36      | 18        | 18.17   | 18.21   | 18.20   | 19.30   |
|           |            | 36      | 39        | 18.17   | 18.18   | 18.15   | 19.30   |
|           |            | 75      | 0         | 18.15   | 18.18   | 18.24   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37850   | 38000   | 38150   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.29   | 18.41   | 18.27   | 19.30   |
|           |            | 1       | 50        | 17.99   | 18.32   | 18.18   | 19.30   |
|           |            | 1       | 99        | 18.09   | 18.23   | 18.22   | 19.30   |
|           |            | 50      | 0         | 18.24   | 18.40   | 18.22   | 19.30   |
|           |            | 50      | 25        | 18.23   | 18.24   | 18.24   | 19.30   |
|           |            | 50      | 50        | 18.15   | 18.19   | 18.20   | 19.30   |
|           |            | 100     | 0         | 18.17   | 18.22   | 18.21   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.26   | 18.31   | 18.23   | 19.30   |
|           |            | 1       | 50        | 17.94   | 18.30   | 18.14   | 19.30   |
|           |            | 1       | 99        | 18.08   | 18.24   | 18.27   | 19.30   |
|           |            | 50      | 0         | 18.25   | 18.35   | 18.15   | 19.30   |
|           |            | 50      | 25        | 18.21   | 18.18   | 18.23   | 19.30   |
|           |            | 50      | 50        | 18.12   | 18.19   | 18.22   | 19.30   |
|           |            | 100     | 0         | 18.22   | 18.21   | 18.21   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.23   | 18.30   | 18.22   | 19.30   |
|           |            | 1       | 50        | 17.92   | 18.32   | 18.13   | 19.30   |
|           |            | 1       | 99        | 18.10   | 18.23   | 18.22   | 19.30   |
|           |            | 50      | 0         | 18.25   | 18.33   | 18.20   | 19.30   |
|           |            | 50      | 25        | 18.22   | 18.25   | 18.22   | 19.30   |
|           |            | 50      | 50        | 18.15   | 18.22   | 18.19   | 19.30   |
|           |            | 100     | 0         | 18.18   | 18.18   | 18.24   | 19.30   |

| LTE Band 38 State 3/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz                  | QPSK       | 1       | 0         | 21.26                | 21.25   | 21.17   | 22.30   |
|                       |            | 1       | 13        | 21.27                | 21.28   | 21.22   | 22.30   |
|                       |            | 1       | 24        | 21.18                | 21.27   | 21.20   | 22.30   |
|                       |            | 12      | 0         | 21.09                | 20.95   | 21.10   | 22.30   |

|           |            | 12      | 6         | 21.00   | 20.99   | 21.15   | 22.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 20.94   | 21.05   | 21.17   | 22.30   |
|           |            | 25      | 0         | 20.94   | 20.91   | 21.12   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.10   | 20.97   | 21.11   | 22.30   |
|           |            | 1       | 13        | 21.04   | 20.99   | 21.10   | 22.30   |
|           |            | 1       | 24        | 20.93   | 21.08   | 21.14   | 22.30   |
|           |            | 12      | 0         | 20.48   | 20.42   | 20.57   | 22.30   |
|           |            | 12      | 6         | 20.38   | 20.38   | 20.57   | 21.80   |
|           |            | 12      | 13        | 20.38   | 20.41   | 20.60   | 21.80   |
|           |            | 25      | 0         | 20.42   | 20.45   | 20.62   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.73   | 20.63   | 20.67   | 21.80   |
|           |            | 1       | 13        | 20.72   | 20.71   | 20.77   | 21.80   |
|           |            | 1       | 24        | 20.59   | 20.60   | 20.86   | 21.80   |
|           |            | 12      | 0         | 19.53   | 19.44   | 19.49   | 20.80   |
|           |            | 12      | 6         | 19.45   | 19.32   | 19.49   | 20.80   |
|           |            | 12      | 13        | 19.30   | 19.43   | 19.60   | 20.80   |
|           |            | 25      | 0         | 19.49   | 19.49   | 19.58   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37800   | 38000   | 38200   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.25   | 21.26   | 21.21   | 22.30   |
|           |            | 1       | 25        | 21.32   | 21.28   | 21.22   | 22.30   |
|           |            | 1       | 49        | 21.14   | 21.31   | 21.27   | 22.30   |
|           |            | 25      | 0         | 21.11   | 20.97   | 21.07   | 22.30   |
|           |            | 25      | 13        | 21.04   | 20.97   | 21.16   | 22.30   |
|           |            | 25      | 25        | 20.94   | 21.04   | 21.17   | 22.30   |
|           |            | 50      | 0         | 21.01   | 20.92   | 21.13   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.08   | 20.94   | 21.08   | 22.30   |
|           |            | 1       | 25        | 21.03   | 20.98   | 21.12   | 22.30   |
|           |            | 1       | 49        | 20.98   | 21.05   | 21.21   | 22.30   |
|           |            | 25      | 0         | 20.47   | 20.44   | 20.54   | 22.30   |
|           |            | 25      | 13        | 20.37   | 20.36   | 20.54   | 21.80   |
|           |            | 25      | 25        | 20.34   | 20.41   | 20.57   | 21.80   |
|           |            | 50      | 0         | 20.41   | 20.44   | 20.62   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.76   | 20.63   | 20.63   | 21.80   |
|           |            | 1       | 25        | 20.72   | 20.71   | 20.73   | 21.80   |
|           |            | 1       | 49        | 20.59   | 20.61   | 20.87   | 21.80   |
|           |            | 25      | 0         | 19.55   | 19.45   | 19.50   | 20.80   |
|           |            | 25      | 13        | 19.44   | 19.32   | 19.54   | 20.80   |
|           |            | 25      | 25        | 19.30   | 19.46   | 19.56   | 20.80   |
|           |            | 50      | 0         | 19.49   | 19.53   | 19.59   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37825   | 38000   | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.32   | 21.28   | 21.18   | 22.30   |
|           |            | 1       | 38        | 21.32   | 21.32   | 21.12   | 22.30   |
|           |            | 1       | 74        | 21.21   | 21.21   | 21.25   | 22.30   |
|           |            | 36      | 0         | 21.10   | 21.01   | 21.05   | 22.30   |
|           |            | 36      | 18        | 21.07   | 20.97   | 21.13   | 22.30   |

|           |            | 36      | 39        | 20.95   | 21.09   | 21.20   | 22.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 75      | 0         | 21.03   | 20.92   | 21.12   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.03   | 21.00   | 21.09   | 22.30   |
|           |            | 1       | 38        | 21.01   | 20.98   | 21.10   | 22.30   |
|           |            | 1       | 74        | 20.91   | 21.04   | 21.17   | 22.30   |
|           |            | 36      | 0         | 20.46   | 20.43   | 20.56   | 22.30   |
|           |            | 36      | 18        | 20.38   | 20.37   | 20.52   | 21.80   |
|           |            | 36      | 39        | 20.36   | 20.40   | 20.61   | 21.80   |
|           |            | 75      | 0         | 20.44   | 20.43   | 20.60   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.76   | 20.67   | 20.65   | 21.80   |
|           |            | 1       | 38        | 20.75   | 20.71   | 20.77   | 21.80   |
|           |            | 1       | 74        | 20.56   | 20.62   | 20.84   | 21.80   |
|           |            | 36      | 0         | 19.54   | 19.43   | 19.52   | 20.80   |
|           |            | 36      | 18        | 19.43   | 19.35   | 19.51   | 20.80   |
|           |            | 36      | 39        | 19.30   | 19.44   | 19.58   | 20.80   |
|           |            | 75      | 0         | 19.53   | 19.52   | 19.59   | 20.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 37850   | 38000   | 38150   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.33   | 21.35   | 21.14   | 22.30   |
|           |            | 1       | 50        | 21.28   | 21.30   | 21.19   | 22.30   |
|           |            | 1       | 99        | 21.22   | 21.29   | 21.22   | 22.30   |
|           |            | 50      | 0         | 21.06   | 21.20   | 21.02   | 22.30   |
|           |            | 50      | 25        | 21.04   | 21.03   | 21.08   | 22.30   |
|           |            | 50      | 50        | 21.04   | 21.13   | 21.18   | 22.30   |
|           |            | 100     | 0         | 20.95   | 20.95   | 21.16   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.04   | 20.92   | 21.04   | 22.30   |
|           |            | 1       | 50        | 21.02   | 20.97   | 21.13   | 22.30   |
|           |            | 1       | 99        | 20.92   | 21.05   | 21.16   | 22.30   |
|           |            | 50      | 0         | 20.44   | 20.44   | 20.54   | 22.30   |
|           |            | 50      | 25        | 20.41   | 20.36   | 20.53   | 21.80   |
|           |            | 50      | 50        | 20.38   | 20.42   | 20.62   | 21.80   |
|           |            | 100     | 0         | 20.43   | 20.46   | 20.61   | 21.80   |
|           | 64QAM      | 1       | 0         | 20.75   | 20.62   | 20.64   | 21.80   |
|           |            | 1       | 50        | 20.72   | 20.75   | 20.73   | 21.80   |
|           |            | 1       | 99        | 20.58   | 20.60   | 20.83   | 21.80   |
|           |            | 50      | 0         | 19.57   | 19.48   | 19.49   | 20.80   |
|           |            | 50      | 25        | 19.46   | 19.35   | 19.49   | 20.80   |
|           |            | 50      | 50        | 19.31   | 19.42   | 19.60   | 20.80   |
|           |            | 100     | 0         | 19.50   | 19.54   | 19.58   | 20.80   |

| LTE Band 41 PC3 State 1 |            |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                         |            |         |           | 39675                | 40148   | 40620   | 41093   | 41565   |         |
| 5MHz                    | QPSK       | 1       | 0         | 21.23                | 21.04   | 20.85   | 20.92   | 21.19   | 22.30   |
|                         |            | 1       | 13        | 21.21                | 20.96   | 20.76   | 20.96   | 21.2    | 22.30   |

|           |            |         |           |         |         |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 1       | 24        | 21.09   | 20.78   | 21.25   | 20.92   | 21.03   | 22.30   |
|           |            | 12      | 0         | 20.99   | 20.82   | 20.65   | 20.78   | 21.04   | 22.30   |
|           |            | 12      | 6         | 21      | 20.77   | 20.65   | 20.78   | 21.01   | 22.30   |
|           |            | 12      | 13        | 21.02   | 20.7    | 20.65   | 20.8    | 20.95   | 22.30   |
|           |            | 25      | 0         | 20.97   | 20.71   | 20.64   | 20.8    | 20.97   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.28   | 21.06   | 20.91   | 20.87   | 21.26   | 22.30   |
|           |            | 1       | 13        | 21.24   | 21.01   | 20.83   | 21.08   | 21.23   | 22.30   |
|           |            | 1       | 24        | 21.07   | 20.81   | 20.75   | 20.97   | 21.07   | 22.30   |
|           |            | 12      | 0         | 20.03   | 19.85   | 19.71   | 19.79   | 20.06   | 21.30   |
|           |            | 12      | 6         | 19.91   | 19.8    | 19.66   | 19.8    | 20.04   | 21.30   |
|           |            | 12      | 13        | 19.97   | 19.76   | 19.66   | 19.81   | 19.89   | 21.30   |
|           |            | 25      | 0         | 19.94   | 19.74   | 19.64   | 19.88   | 20.02   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.33   | 20.14   | 19.85   | 19.88   | 20.21   | 21.30   |
|           |            | 1       | 13        | 20.25   | 20.11   | 19.89   | 20.05   | 20.23   | 21.30   |
|           |            | 1       | 24        | 20.15   | 19.78   | 19.76   | 19.95   | 20.07   | 21.30   |
|           |            | 12      | 0         | 18.94   | 18.86   | 18.69   | 18.80   | 18.99   | 20.30   |
|           |            | 12      | 6         | 18.99   | 18.76   | 18.71   | 18.82   | 18.95   | 20.30   |
|           |            | 12      | 13        | 18.93   | 18.73   | 18.69   | 18.83   | 18.87   | 20.30   |
|           |            | 25      | 0         | 19.01   | 18.76   | 18.68   | 18.88   | 18.93   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39700   | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.21   | 21.05   | 20.85   | 20.91   | 21.17   | 22.30   |
|           |            | 1       | 25        | 21.19   | 20.98   | 20.76   | 21.01   | 21.22   | 22.30   |
|           |            | 1       | 49        | 21.09   | 20.77   | 21.2    | 20.93   | 21.02   | 22.30   |
|           |            | 25      | 0         | 20.95   | 20.81   | 20.63   | 20.77   | 21.07   | 22.30   |
|           |            | 25      | 13        | 20.99   | 20.78   | 20.64   | 20.79   | 20.97   | 22.30   |
|           |            | 25      | 25        | 21      | 20.68   | 20.65   | 20.84   | 20.91   | 22.30   |
|           |            | 50      | 0         | 20.98   | 20.71   | 20.61   | 20.84   | 20.96   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.3    | 21.06   | 20.89   | 20.86   | 21.22   | 22.30   |
|           |            | 1       | 25        | 21.28   | 21.03   | 20.86   | 21.03   | 21.26   | 22.30   |
|           |            | 1       | 49        | 21.05   | 20.83   | 20.78   | 20.97   | 21.06   | 22.30   |
|           |            | 25      | 0         | 20.05   | 19.81   | 19.68   | 19.77   | 20.04   | 21.30   |
|           |            | 25      | 13        | 19.92   | 19.78   | 19.69   | 19.83   | 20.03   | 21.30   |
|           |            | 25      | 25        | 19.98   | 19.74   | 19.63   | 19.83   | 19.87   | 21.30   |
|           |            | 50      | 0         | 19.96   | 19.74   | 19.63   | 19.89   | 20.03   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.31   | 20.16   | 19.84   | 19.87   | 20.21   | 21.30   |
|           |            | 1       | 25        | 20.29   | 20.09   | 19.85   | 20.08   | 20.27   | 21.30   |
|           |            | 1       | 49        | 20.10   | 19.79   | 19.78   | 19.93   | 20.12   | 21.30   |
|           |            | 25      | 0         | 18.93   | 18.81   | 18.70   | 18.81   | 19.03   | 20.30   |
|           |            | 25      | 13        | 19.01   | 18.74   | 18.67   | 18.83   | 18.97   | 20.30   |
|           |            | 25      | 25        | 18.93   | 18.72   | 18.68   | 18.88   | 18.91   | 20.30   |
|           |            | 50      | 0         | 18.99   | 18.79   | 18.69   | 18.93   | 18.92   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.2    | 21.06   | 20.86   | 20.89   | 21.17   | 22.30   |
|           |            | 1       | 38        | 21.2    | 20.96   | 20.76   | 21.01   | 21.18   | 22.30   |
|           |            | 1       | 74        | 21.08   | 20.75   | 21.25   | 20.91   | 20.99   | 22.30   |

|           |            |         |           |         |         |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 36      | 0         | 20.95   | 20.82   | 20.64   | 20.81   | 21.03   | 22.30   |
|           |            | 36      | 18        | 20.96   | 20.76   | 20.61   | 20.76   | 21.02   | 22.30   |
|           |            | 36      | 39        | 21.03   | 20.72   | 20.62   | 20.83   | 20.95   | 22.30   |
|           |            | 75      | 0         | 20.96   | 20.69   | 20.66   | 20.8    | 20.96   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.3    | 21.08   | 20.86   | 20.87   | 21.26   | 22.30   |
|           |            | 1       | 38        | 21.24   | 21.06   | 20.83   | 21.03   | 21.25   | 22.30   |
|           |            | 1       | 74        | 21.09   | 20.85   | 20.73   | 20.94   | 21.06   | 22.30   |
|           |            | 36      | 0         | 20      | 19.82   | 19.7    | 19.76   | 20.04   | 21.30   |
|           |            | 36      | 18        | 19.9    | 19.8    | 19.67   | 19.84   | 20.03   | 21.30   |
|           |            | 36      | 39        | 19.98   | 19.76   | 19.64   | 19.84   | 19.89   | 21.30   |
|           |            | 75      | 0         | 19.94   | 19.75   | 19.67   | 19.87   | 20.02   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.31   | 20.13   | 19.83   | 19.84   | 20.21   | 21.30   |
|           |            | 1       | 38        | 20.29   | 20.10   | 19.88   | 20.07   | 20.25   | 21.30   |
|           |            | 1       | 74        | 20.12   | 19.81   | 19.75   | 19.90   | 20.09   | 21.30   |
|           |            | 36      | 0         | 18.93   | 18.85   | 18.69   | 18.79   | 19.01   | 20.30   |
|           |            | 36      | 18        | 19.01   | 18.76   | 18.69   | 18.82   | 18.94   | 20.30   |
|           |            | 36      | 39        | 18.93   | 18.75   | 18.69   | 18.88   | 18.90   | 20.30   |
|           |            | 75      | 0         | 19.02   | 18.81   | 18.68   | 18.91   | 18.91   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.21   | 21.02   | 21.83   | 21.16   | 21.25   | 22.30   |
|           |            | 1       | 50        | 21.17   | 20.95   | 21.18   | 21.01   | 21.23   | 22.30   |
|           |            | 1       | 99        | 21.08   | 20.77   | 21.31   | 20.93   | 21.01   | 22.30   |
|           |            | 50      | 0         | 20.98   | 20.84   | 20.67   | 20.8    | 21.02   | 22.30   |
|           |            | 50      | 25        | 20.98   | 20.81   | 20.62   | 20.79   | 21.02   | 22.30   |
|           |            | 50      | 50        | 21.54   | 20.86   | 20.72   | 20.83   | 21.03   | 22.30   |
|           |            | 100     | 0         | 21      | 20.69   | 20.66   | 20.82   | 20.97   | 22.30   |
|           | 16QAM      | 1       | 0         | 21.3    | 21.07   | 20.91   | 20.88   | 21.23   | 22.30   |
|           |            | 1       | 50        | 21.24   | 21.03   | 20.82   | 21.08   | 21.24   | 22.30   |
|           |            | 1       | 99        | 21.08   | 20.83   | 20.78   | 20.97   | 21.08   | 22.30   |
|           |            | 50      | 0         | 20.05   | 19.84   | 19.68   | 19.77   | 20.05   | 21.30   |
|           |            | 50      | 25        | 19.93   | 19.79   | 19.68   | 19.8    | 20.03   | 21.30   |
|           |            | 50      | 50        | 19.97   | 19.74   | 19.63   | 19.85   | 19.9    | 21.30   |
|           |            | 100     | 0         | 19.99   | 19.75   | 19.66   | 19.84   | 20.02   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.32   | 20.17   | 19.81   | 19.85   | 20.22   | 21.30   |
|           |            | 1       | 50        | 20.30   | 20.08   | 19.86   | 20.07   | 20.24   | 21.30   |
|           |            | 1       | 99        | 20.10   | 19.81   | 19.80   | 19.90   | 20.08   | 21.30   |
|           |            | 50      | 0         | 18.94   | 18.84   | 18.72   | 18.82   | 19.01   | 20.30   |
|           |            | 50      | 25        | 19.01   | 18.78   | 18.70   | 18.81   | 18.95   | 20.30   |
|           |            | 50      | 50        | 18.94   | 18.74   | 18.66   | 18.84   | 18.88   | 20.30   |
|           |            | 100     | 0         | 18.98   | 18.80   | 18.67   | 18.91   | 18.91   | 20.30   |

| LTE Band 41 PC3 State 2/4/6 |            |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                             |            |         |           | 39675                | 40148   | 40620   | 41093   | 41565   |         |

| 5MHz      | QPSK       | 1       | 0         | 18.13   | 18.25   | 18.09   | 18.24   | 18.07   | 19.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 1       | 13        | 17.79   | 18.12   | 17.99   | 18.16   | 18      | 19.30   |
|           |            | 1       | 24        | 17.94   | 18.07   | 18.06   | 18.06   | 18.04   | 19.30   |
|           |            | 12      | 0         | 18.05   | 18.2    | 18.07   | 18.24   | 18.07   | 19.30   |
|           |            | 12      | 6         | 18.06   | 18.09   | 18.06   | 18.07   | 18.07   | 19.30   |
|           |            | 12      | 13        | 17.97   | 17.99   | 18.05   | 18.04   | 18.03   | 19.30   |
|           |            | 25      | 0         | 18.01   | 18.03   | 18.03   | 18.05   | 18.04   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.07   | 18.11   | 18.03   | 18.14   | 18.05   | 19.30   |
|           |            | 1       | 13        | 17.77   | 18.14   | 17.96   | 18.14   | 17.98   | 19.30   |
|           |            | 1       | 24        | 17.89   | 18.06   | 18.07   | 18.04   | 18.1    | 19.30   |
|           |            | 12      | 0         | 18.08   | 18.16   | 17.99   | 18.17   | 18      | 19.30   |
|           |            | 12      | 6         | 18.02   | 18.02   | 18.08   | 18.01   | 18.05   | 19.30   |
|           |            | 12      | 13        | 17.93   | 18.01   | 18.03   | 18.03   | 18.02   | 19.30   |
|           |            | 25      | 0         | 18.02   | 18.03   | 18.03   | 18.04   | 18.05   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.03   | 18.14   | 18.05   | 18.10   | 18.02   | 19.30   |
|           |            | 1       | 13        | 17.74   | 18.12   | 17.95   | 18.12   | 17.95   | 19.30   |
|           |            | 1       | 24        | 17.92   | 18.07   | 18.07   | 18.04   | 18.03   | 19.30   |
|           |            | 12      | 0         | 18.10   | 18.13   | 18.04   | 18.13   | 18.04   | 19.30   |
|           |            | 12      | 6         | 18.06   | 18.06   | 18.03   | 18.09   | 18.06   | 19.30   |
|           |            | 12      | 13        | 17.95   | 18.03   | 18.03   | 18.07   | 18.02   | 19.30   |
|           |            | 25      | 0         | 18.03   | 17.98   | 18.06   | 18.01   | 18.09   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39700   | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.13   | 18.24   | 18.07   | 18.21   | 18.1    | 19.30   |
|           |            | 1       | 25        | 17.82   | 18.16   | 18      | 18.16   | 18.03   | 19.30   |
|           |            | 1       | 49        | 17.94   | 18.08   | 18.05   | 18.06   | 18.02   | 19.30   |
|           |            | 25      | 0         | 18.04   | 18.23   | 18.06   | 18.24   | 18.07   | 19.30   |
|           |            | 25      | 13        | 18.05   | 18.09   | 18.08   | 18.04   | 18.04   | 19.30   |
|           |            | 25      | 25        | 17.99   | 18.02   | 18.02   | 18      | 18      | 19.30   |
|           |            | 50      | 0         | 18.02   | 18.05   | 18.02   | 18.06   | 18.01   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.07   | 18.16   | 18.06   | 18.14   | 18.08   | 19.30   |
|           |            | 1       | 25        | 17.79   | 18.12   | 17.99   | 18.14   | 17.99   | 19.30   |
|           |            | 1       | 49        | 17.89   | 18.08   | 18.09   | 18.04   | 18.08   | 19.30   |
|           |            | 25      | 0         | 18.1    | 18.15   | 17.98   | 18.16   | 17.98   | 19.30   |
|           |            | 25      | 13        | 18.06   | 18.02   | 18.03   | 18.02   | 18.03   | 19.30   |
|           |            | 25      | 25        | 17.95   | 18.01   | 18.05   | 18.01   | 18.07   | 19.30   |
|           |            | 50      | 0         | 18.05   | 18.04   | 18.01   | 18.05   | 18.05   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.06   | 18.12   | 18.07   | 18.15   | 18.02   | 19.30   |
|           |            | 1       | 25        | 17.76   | 18.17   | 17.96   | 18.17   | 17.96   | 19.30   |
|           |            | 1       | 49        | 17.92   | 18.03   | 18.05   | 18.03   | 18.05   | 19.30   |
|           |            | 25      | 0         | 18.09   | 18.17   | 18.02   | 18.16   | 18.02   | 19.30   |
|           |            | 25      | 13        | 18.02   | 18.10   | 18.04   | 18.06   | 18.07   | 19.30   |
|           |            | 25      | 25        | 18.00   | 18.04   | 18.03   | 18.07   | 17.99   | 19.30   |
|           |            | 50      | 0         | 18.03   | 18.03   | 18.04   | 18.02   | 18.06   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.11   | 18.21   | 18.1    | 18.21   | 18.07   | 19.30   |

|           |            | 1       | 38        | 17.8    | 18.14   | 17.98   | 18.15   | 17.98   | 19.30   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 1       | 74        | 17.89   | 18.06   | 18.07   | 18.08   | 18.05   | 19.30   |
|           |            | 36      | 0         | 18.09   | 18.22   | 18.05   | 18.22   | 18.02   | 19.30   |
|           |            | 36      | 18        | 18.05   | 18.04   | 18.06   | 18.09   | 18.06   | 19.30   |
|           |            | 36      | 39        | 17.96   | 18      | 18.05   | 18.04   | 18.02   | 19.30   |
|           |            | 75      | 0         | 18      | 18.02   | 18.06   | 18.03   | 18.02   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.09   | 18.16   | 18.03   | 18.14   | 18.07   | 19.30   |
|           |            | 1       | 38        | 17.77   | 18.12   | 17.97   | 18.15   | 17.99   | 19.30   |
|           |            | 1       | 74        | 17.93   | 18.06   | 18.1    | 18.09   | 18.11   | 19.30   |
|           |            | 36      | 0         | 18.09   | 18.18   | 17.96   | 18.16   | 17.98   | 19.30   |
|           |            | 36      | 18        | 18.06   | 18.01   | 18.03   | 17.99   | 18.06   | 19.30   |
|           |            | 36      | 39        | 17.94   | 18      | 18.05   | 18.01   | 18.04   | 19.30   |
|           |            | 75      | 0         | 18.05   | 18.01   | 18.06   | 18.03   | 18.04   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.03   | 18.14   | 18.05   | 18.14   | 18.04   | 19.30   |
|           |            | 1       | 38        | 17.75   | 18.15   | 17.94   | 18.13   | 17.94   | 19.30   |
|           |            | 1       | 74        | 17.95   | 18.03   | 18.07   | 18.04   | 18.03   | 19.30   |
|           |            | 36      | 0         | 18.08   | 18.16   | 18.02   | 18.17   | 18.02   | 19.30   |
|           |            | 36      | 18        | 18.03   | 18.09   | 18.06   | 18.09   | 18.03   | 19.30   |
|           |            | 36      | 39        | 18.00   | 18.03   | 18.01   | 18.02   | 18.04   | 19.30   |
|           |            | 75      | 0         | 17.99   | 18.03   | 18.09   | 17.98   | 18.09   | 19.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.13   | 18.26   | 18.08   | 18.21   | 18.11   | 19.30   |
|           |            | 1       | 50        | 17.79   | 18.17   | 18      | 18.13   | 17.99   | 19.30   |
|           |            | 1       | 99        | 17.89   | 18.05   | 18.06   | 18.03   | 18.03   | 19.30   |
|           |            | 50      | 0         | 18.05   | 18.25   | 18.1    | 18.24   | 18.09   | 19.30   |
|           |            | 50      | 25        | 18.07   | 18.08   | 18.06   | 18.07   | 18.06   | 19.30   |
|           |            | 50      | 50        | 17.96   | 18      | 18.05   | 18.01   | 18.02   | 19.30   |
|           |            | 100     | 0         | 18      | 18.02   | 18.06   | 18.03   | 18.02   | 19.30   |
|           | 16QAM      | 1       | 0         | 18.08   | 18.13   | 18.05   | 18.13   | 18.05   | 19.30   |
|           |            | 1       | 50        | 17.74   | 18.15   | 17.97   | 18.12   | 17.94   | 19.30   |
|           |            | 1       | 99        | 17.92   | 18.04   | 18.08   | 18.07   | 18.11   | 19.30   |
|           |            | 50      | 0         | 18.09   | 18.16   | 17.96   | 18.17   | 17.98   | 19.30   |
|           |            | 50      | 25        | 18.04   | 17.98   | 18.07   | 17.98   | 18.05   | 19.30   |
|           |            | 50      | 50        | 17.95   | 18      | 18.06   | 18.01   | 18.02   | 19.30   |
|           |            | 100     | 0         | 18.05   | 18.06   | 18.04   | 18.06   | 18.01   | 19.30   |
|           | 64QAM      | 1       | 0         | 18.07   | 18.14   | 18.05   | 18.10   | 18.06   | 19.30   |
|           |            | 1       | 50        | 17.73   | 18.16   | 17.94   | 18.14   | 17.95   | 19.30   |
|           |            | 1       | 99        | 17.95   | 18.05   | 18.05   | 18.05   | 18.06   | 19.30   |
|           |            | 50      | 0         | 18.08   | 18.14   | 18.04   | 18.18   | 18.00   | 19.30   |
|           |            | 50      | 25        | 18.03   | 18.10   | 18.03   | 18.05   | 18.07   | 19.30   |
|           |            | 50      | 50        | 17.95   | 18.05   | 18.02   | 18.02   | 18.04   | 19.30   |
|           |            | 100     | 0         | 18.00   | 18.00   | 18.08   | 17.99   | 18.08   | 19.30   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            |         |           | 39675   | 40148   | 40620   | 41093   | 41565   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.73   | 20.54   | 20.35   | 20.42   | 20.69   | 21.80   |
|           |            | 1       | 13        | 20.71   | 20.46   | 20.26   | 20.46   | 20.7    | 21.80   |
|           |            | 1       | 24        | 20.59   | 20.28   | 20.75   | 20.42   | 20.53   | 21.80   |
|           |            | 12      | 0         | 20.49   | 20.32   | 20.15   | 20.28   | 20.54   | 21.80   |
|           |            | 12      | 6         | 20.5    | 20.27   | 20.15   | 20.28   | 20.51   | 21.80   |
|           |            | 12      | 13        | 20.52   | 20.2    | 20.15   | 20.3    | 20.45   | 21.80   |
|           |            | 25      | 0         | 20.47   | 20.21   | 20.14   | 20.3    | 20.47   | 21.80   |
|           | 16QAM      | 1       | 0         | 20.78   | 20.56   | 20.41   | 20.37   | 20.76   | 21.80   |
|           |            | 1       | 13        | 20.74   | 20.51   | 20.33   | 20.58   | 20.73   | 21.80   |
|           |            | 1       | 24        | 20.57   | 20.31   | 20.25   | 20.47   | 20.57   | 21.80   |
|           |            | 12      | 0         | 20.01   | 19.88   | 19.65   | 19.79   | 20.06   | 21.30   |
|           |            | 12      | 6         | 19.93   | 19.79   | 19.62   | 19.82   | 20.01   | 21.30   |
|           |            | 12      | 13        | 20      | 19.75   | 19.65   | 19.86   | 19.91   | 21.30   |
|           |            | 25      | 0         | 20.01   | 19.71   | 19.67   | 19.83   | 19.99   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.32   | 20.12   | 19.84   | 19.86   | 20.19   | 21.30   |
|           |            | 1       | 13        | 20.27   | 20.07   | 19.88   | 20.06   | 20.24   | 21.30   |
|           |            | 1       | 24        | 20.14   | 19.78   | 19.77   | 19.93   | 20.09   | 21.30   |
|           |            | 12      | 0         | 19.00   | 18.85   | 18.72   | 18.81   | 19.03   | 20.30   |
|           |            | 12      | 6         | 19.00   | 18.79   | 18.67   | 18.81   | 18.95   | 20.30   |
|           |            | 12      | 13        | 19.00   | 18.74   | 18.64   | 18.88   | 18.92   | 20.30   |
|           |            | 25      | 0         | 18.99   | 18.75   | 18.68   | 18.88   | 18.99   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39700   | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.73   | 20.54   | 20.35   | 20.42   | 20.69   | 21.80   |
|           |            | 1       | 25        | 20.71   | 20.46   | 20.26   | 20.46   | 20.7    | 21.80   |
|           |            | 1       | 49        | 20.59   | 20.28   | 20.75   | 20.42   | 20.53   | 21.80   |
|           |            | 25      | 0         | 20.49   | 20.32   | 20.15   | 20.28   | 20.54   | 21.80   |
|           |            | 25      | 13        | 20.5    | 20.27   | 20.15   | 20.28   | 20.51   | 21.80   |
|           |            | 25      | 25        | 20.52   | 20.2    | 20.15   | 20.3    | 20.45   | 21.80   |
|           |            | 50      | 0         | 20.47   | 20.21   | 20.14   | 20.3    | 20.47   | 21.80   |
|           | 16QAM      | 1       | 0         | 20.78   | 20.56   | 20.41   | 20.37   | 20.76   | 21.80   |
|           |            | 1       | 25        | 20.74   | 20.51   | 20.33   | 20.58   | 20.73   | 21.80   |
|           |            | 1       | 49        | 20.57   | 20.31   | 20.25   | 20.47   | 20.57   | 21.80   |
|           |            | 25      | 0         | 20.03   | 19.86   | 19.67   | 19.78   | 20.07   | 21.30   |
|           |            | 25      | 13        | 19.93   | 19.82   | 19.63   | 19.79   | 20.03   | 21.30   |
|           |            | 25      | 25        | 20.01   | 19.75   | 19.66   | 19.86   | 19.91   | 21.30   |
|           |            | 50      | 0         | 19.98   | 19.71   | 19.63   | 19.81   | 20.04   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.29   | 20.07   | 19.85   | 19.88   | 20.20   | 21.30   |
|           |            | 1       | 25        | 20.30   | 20.07   | 19.83   | 20.07   | 20.29   | 21.30   |
|           |            | 1       | 49        | 20.19   | 19.80   | 19.79   | 19.93   | 20.09   | 21.30   |
|           |            | 25      | 0         | 18.96   | 18.84   | 18.76   | 18.84   | 19.02   | 20.30   |
|           |            | 25      | 13        | 19.00   | 18.79   | 18.67   | 18.80   | 18.93   | 20.30   |
|           |            | 25      | 25        | 18.99   | 18.72   | 18.69   | 18.84   | 18.89   | 20.30   |
|           |            | 50      | 0         | 18.99   | 18.77   | 18.66   | 18.91   | 18.97   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |

|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
| 15MHz     | QPSK       | 1       | 0         | 20.73   | 20.54   | 20.35   | 20.42   | 20.69   | 21.80   |
|           |            | 1       | 38        | 20.71   | 20.46   | 20.26   | 20.46   | 20.7    | 21.80   |
|           |            | 1       | 74        | 20.59   | 20.28   | 20.75   | 20.42   | 20.53   | 21.80   |
|           |            | 36      | 0         | 20.49   | 20.32   | 20.15   | 20.28   | 20.54   | 21.80   |
|           |            | 36      | 18        | 20.5    | 20.27   | 20.15   | 20.28   | 20.51   | 21.80   |
|           |            | 36      | 39        | 20.52   | 20.2    | 20.15   | 20.3    | 20.45   | 21.80   |
|           |            | 75      | 0         | 20.47   | 20.21   | 20.14   | 20.3    | 20.47   | 21.80   |
|           | 16QAM      | 1       | 0         | 20.78   | 20.56   | 20.41   | 20.37   | 20.76   | 21.80   |
|           |            | 1       | 38        | 20.74   | 20.51   | 20.33   | 20.58   | 20.73   | 21.80   |
|           |            | 1       | 74        | 20.57   | 20.31   | 20.25   | 20.47   | 20.57   | 21.80   |
|           |            | 36      | 0         | 20.02   | 19.89   | 19.63   | 19.82   | 20.09   | 21.30   |
|           |            | 36      | 18        | 19.96   | 19.77   | 19.61   | 19.83   | 20.04   | 21.30   |
|           |            | 36      | 39        | 20.04   | 19.7    | 19.68   | 19.84   | 19.86   | 21.30   |
|           |            | 75      | 0         | 19.97   | 19.71   | 19.65   | 19.86   | 20.03   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.32   | 20.11   | 19.84   | 19.89   | 20.18   | 21.30   |
|           |            | 1       | 38        | 20.28   | 20.08   | 19.87   | 20.07   | 20.26   | 21.30   |
|           |            | 1       | 74        | 20.19   | 19.82   | 19.76   | 19.94   | 20.08   | 21.30   |
|           |            | 36      | 0         | 18.97   | 18.86   | 18.71   | 18.81   | 19.00   | 20.30   |
|           |            | 36      | 18        | 18.99   | 18.81   | 18.70   | 18.81   | 18.97   | 20.30   |
|           |            | 36      | 39        | 18.97   | 18.71   | 18.65   | 18.87   | 18.92   | 20.30   |
|           |            | 75      | 0         | 19.01   | 18.77   | 18.64   | 18.90   | 18.96   | 20.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.03   | 20.84   | 20.65   | 20.72   | 20.99   | 21.80   |
|           |            | 1       | 50        | 21.01   | 20.76   | 20.56   | 20.76   | 21      | 21.80   |
|           |            | 1       | 99        | 20.89   | 20.58   | 21.31   | 20.72   | 20.83   | 21.80   |
|           |            | 50      | 0         | 20.79   | 20.62   | 20.45   | 20.58   | 21.3    | 21.80   |
|           |            | 50      | 25        | 20.8    | 20.57   | 20.45   | 20.58   | 20.81   | 21.80   |
|           |            | 50      | 50        | 20.82   | 20.5    | 20.45   | 20.6    | 20.75   | 21.80   |
|           |            | 100     | 0         | 20.77   | 20.51   | 20.44   | 20.6    | 20.77   | 21.80   |
|           | 16QAM      | 1       | 0         | 21.08   | 20.86   | 20.71   | 20.67   | 21.06   | 21.80   |
|           |            | 1       | 50        | 21.04   | 20.81   | 20.63   | 20.88   | 21.03   | 21.80   |
|           |            | 1       | 99        | 20.87   | 20.61   | 20.55   | 20.77   | 20.87   | 21.80   |
|           |            | 50      | 0         | 20.29   | 20.15   | 19.98   | 20.07   | 20.4    | 21.30   |
|           |            | 50      | 25        | 20.25   | 20.12   | 19.9    | 20.13   | 20.33   | 21.30   |
|           |            | 50      | 50        | 20.31   | 20.03   | 19.99   | 20.14   | 20.16   | 21.30   |
|           |            | 100     | 0         | 20.31   | 20.01   | 19.97   | 20.11   | 20.33   | 21.30   |
|           | 64QAM      | 1       | 0         | 20.61   | 20.38   | 20.12   | 20.18   | 20.49   | 21.30   |
|           |            | 1       | 50        | 20.59   | 20.36   | 20.14   | 20.39   | 20.55   | 21.30   |
|           |            | 1       | 99        | 20.44   | 20.10   | 20.08   | 20.23   | 20.38   | 21.30   |
|           |            | 50      | 0         | 19.30   | 19.16   | 19.06   | 19.15   | 19.33   | 20.30   |
|           |            | 50      | 25        | 19.30   | 19.13   | 18.98   | 19.09   | 19.26   | 20.30   |
|           |            | 50      | 50        | 19.28   | 19.02   | 18.96   | 19.17   | 19.18   | 20.30   |
|           |            | 100     | 0         | 19.30   | 19.04   | 18.94   | 19.18   | 19.30   | 20.30   |

| LTE Band 41 PC2 State 1 |            |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                         |            |         |           | 39675                | 40148   | 40620   | 41093   | 41565   |         |
| 5MHz                    | QPSK       | 1       | 0         | 23.28                | 23.06   | 23.22   | 23.09   | 23.15   | 24.30   |
|                         |            | 1       | 13        | 23.27                | 23.05   | 22.81   | 23.09   | 23.17   | 24.30   |
|                         |            | 1       | 24        | 23.13                | 22.78   | 23.17   | 22.89   | 23.09   | 24.30   |
|                         |            | 12      | 0         | 22.98                | 22.92   | 22.77   | 22.81   | 23.04   | 24.30   |
|                         |            | 12      | 6         | 23.02                | 22.83   | 22.66   | 22.83   | 23.09   | 24.30   |
|                         |            | 12      | 13        | 22.97                | 22.68   | 22.77   | 22.8    | 23      | 24.30   |
|                         |            | 25      | 0         | 23.07                | 22.78   | 22.69   | 22.81   | 23.05   | 24.30   |
|                         | 16QAM      | 1       | 0         | 23.33                | 23.13   | 22.86   | 23      | 23.3    | 24.30   |
|                         |            | 1       | 13        | 23.3                 | 22.98   | 22.86   | 23.09   | 23.31   | 24.30   |
|                         |            | 1       | 24        | 23.17                | 22.85   | 22.81   | 23      | 23.19   | 24.30   |
|                         |            | 12      | 0         | 21.96                | 21.85   | 21.75   | 21.76   | 22.14   | 23.30   |
|                         |            | 12      | 6         | 22.03                | 21.87   | 21.73   | 21.85   | 22.09   | 23.30   |
|                         |            | 12      | 13        | 22.06                | 21.82   | 21.77   | 21.82   | 22      | 23.30   |
|                         |            | 25      | 0         | 22.08                | 21.75   | 21.78   | 21.89   | 22      | 23.30   |
|                         | 64QAM      | 1       | 0         | 22.33                | 22.19   | 21.80   | 21.87   | 22.34   | 23.30   |
|                         |            | 1       | 13        | 22.27                | 22.13   | 21.89   | 22.09   | 22.39   | 23.30   |
|                         |            | 1       | 24        | 22.17                | 21.81   | 21.85   | 21.96   | 22.13   | 23.30   |
|                         |            | 12      | 0         | 20.97                | 20.85   | 20.68   | 20.84   | 20.97   | 22.30   |
|                         |            | 12      | 6         | 21.04                | 20.86   | 20.81   | 20.90   | 21.10   | 22.30   |
|                         |            | 12      | 13        | 21.03                | 20.82   | 20.77   | 20.86   | 20.90   | 22.30   |
|                         |            | 25      | 0         | 21.04                | 20.78   | 20.73   | 20.94   | 21.07   | 22.30   |
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                         |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz                   | QPSK       | 1       | 0         | 23.26                | 23.08   | 23.19   | 23.14   | 23.21   | 24.30   |
|                         |            | 1       | 25        | 23.18                | 23.03   | 22.86   | 23.01   | 23.23   | 24.30   |
|                         |            | 1       | 49        | 23.03                | 22.75   | 23.1    | 22.93   | 23.14   | 24.30   |
|                         |            | 25      | 0         | 22.98                | 22.84   | 22.77   | 22.82   | 23.05   | 24.30   |
|                         |            | 25      | 13        | 23.06                | 22.88   | 22.68   | 22.81   | 23.02   | 24.30   |
|                         |            | 25      | 25        | 23                   | 22.67   | 22.7    | 22.85   | 22.99   | 24.30   |
|                         |            | 50      | 0         | 23.14                | 22.84   | 22.59   | 22.81   | 23.02   | 24.30   |
|                         | 16QAM      | 1       | 0         | 23.34                | 23.18   | 22.91   | 22.95   | 23.32   | 24.30   |
|                         |            | 1       | 25        | 23.33                | 23.07   | 22.88   | 23.09   | 23.28   | 24.30   |
|                         |            | 1       | 49        | 23.14                | 22.88   | 22.83   | 23.03   | 23.16   | 24.30   |
|                         |            | 25      | 0         | 22.03                | 21.93   | 21.66   | 21.73   | 22.14   | 23.30   |
|                         |            | 25      | 13        | 22.08                | 21.88   | 21.69   | 21.83   | 22.08   | 23.30   |
|                         |            | 25      | 25        | 22.06                | 21.79   | 21.75   | 21.87   | 22      | 23.30   |
|                         |            | 50      | 0         | 22.12                | 21.84   | 21.8    | 21.88   | 21.99   | 23.30   |
|                         | 64QAM      | 1       | 0         | 22.33                | 22.21   | 21.86   | 21.86   | 22.33   | 23.30   |
|                         |            | 1       | 25        | 22.37                | 22.15   | 21.98   | 22.10   | 22.34   | 23.30   |
|                         |            | 1       | 49        | 22.17                | 21.80   | 21.82   | 21.95   | 22.17   | 23.30   |
|                         |            | 25      | 0         | 20.97                | 20.91   | 20.70   | 20.89   | 21.05   | 22.30   |
|                         |            | 25      | 13        | 21.03                | 20.89   | 20.75   | 20.86   | 21.08   | 22.30   |
|                         |            | 25      | 25        | 21.06                | 20.77   | 20.71   | 20.86   | 20.93   | 22.30   |