

# Appendix E

## Conducted RF Output Power Table

|                                   |                                        |
|-----------------------------------|----------------------------------------|
| Measurement of RF conducted Power |                                        |
| 1                                 | Conducted Power of Main Antenna (Ant1) |
| 2                                 | Conducted Power of Main Antenna (Ant2) |
| 3                                 | Conducted Power of Main Antenna (Ant3) |
| 4                                 | Conducted Power of Main Antenna (Ant4) |
| 5                                 | Conducted Power of LTE Down CA         |
| 6                                 | Conducted Power of NR Antenna          |
| 6.1                               | Conducted Power of NR Antenna (Ant1)   |
| 6.2                               | Conducted Power of NR Antenna (Ant3)   |
| 6.3                               | Conducted Power of NR Antenna (Ant4)   |
| 7                                 | Conducted Power of WiFi and Bluetooth  |
| 7.1                               | Conducted Power of WiFi                |
| 7.2                               | Conducted Power of Bluetooth           |

## Measurement of RF conducted Power

### 1 Conducted Power of Main Antenna(Ant1)

#### 1.1 Conducted Power of GSM

| GSM 850                 |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| 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        | 31.82 | 31.79 | 31.80 | 33.00   | -9.19            | 22.63                           | 22.60 | 22.61 | 23.81   |
| GPRS<br>(GMSK)          | 1 TX Slot  | 31.78 | 31.83 | 31.76 | 33.00   | -9.19            | 22.59                           | 22.64 | 22.57 | 23.81   |
|                         | 2 TX Slots | 30.97 | 30.95 | 30.90 | 32.50   | -6.18            | 24.79                           | 24.77 | 24.72 | 26.32   |
|                         | 3 TX Slots | 29.36 | 29.29 | 29.36 | 30.50   | -4.42            | 24.94                           | 24.87 | 24.94 | 26.08   |
|                         | 4 TX Slots | 28.43 | 28.47 | 28.46 | 29.50   | -3.17            | 25.26                           | 25.30 | 25.29 | 26.33   |
| EGPRS<br>(GMSK)         | 1 TX Slot  | 31.78 | 31.76 | 31.80 | 33.00   | -9.19            | 22.59                           | 22.57 | 22.61 | 23.81   |
|                         | 2 TX Slots | 30.95 | 30.97 | 30.93 | 32.50   | -6.18            | 24.77                           | 24.79 | 24.75 | 26.32   |
|                         | 3 TX Slots | 29.34 | 29.36 | 29.30 | 30.50   | -4.42            | 24.92                           | 24.94 | 24.88 | 26.08   |
|                         | 4 TX Slots | 28.40 | 28.40 | 28.39 | 29.50   | -3.17            | 25.23                           | 25.23 | 25.22 | 26.33   |
| EGPRS<br>(8PSK)         | 1 TX Slot  | 26.10 | 26.10 | 26.11 | 27.00   | -9.19            | 16.91                           | 16.91 | 16.92 | 17.81   |
|                         | 2 TX Slots | 25.14 | 25.12 | 25.10 | 26.00   | -6.18            | 18.96                           | 18.94 | 18.92 | 19.82   |
|                         | 3 TX Slots | 22.89 | 22.83 | 22.91 | 24.50   | -4.42            | 18.47                           | 18.41 | 18.49 | 20.08   |
|                         | 4 TX Slots | 21.50 | 21.50 | 21.48 | 22.50   | -3.17            | 18.33                           | 18.33 | 18.31 | 19.33   |

#### 1.2 Conducted Power of WCDMA

| WCDMA Band V                 |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                        | 12.2kbps RMC | 22.22 | 22.37 | 22.34 | 23.50   |
|                              | 12.2kbps AMR | 22.30 | 22.33 | 22.26 | 23.50   |
| HSDPA                        | Subtest 1    | 21.28 | 21.27 | 21.36 | 22.50   |
|                              | Subtest 2    | 21.24 | 21.31 | 21.31 | 22.50   |
|                              | Subtest 3    | 20.84 | 20.74 | 20.80 | 22.00   |
|                              | Subtest 4    | 20.86 | 20.77 | 20.88 | 22.00   |
| HSUPA                        | Subtest 1    | 19.31 | 19.28 | 19.31 | 20.50   |
|                              | Subtest 2    | 19.28 | 19.32 | 19.38 | 20.50   |
|                              | Subtest 3    | 19.82 | 19.80 | 19.80 | 21.50   |
|                              | Subtest 4    | 18.89 | 18.78 | 18.78 | 20.00   |
|                              | Subtest 5    | 20.26 | 20.40 | 20.32 | 21.50   |
| DC-HSDPA                     | Subtest 1    | 21.26 | 21.34 | 21.30 | 22.50   |
|                              | Subtest 2    | 21.38 | 21.33 | 21.34 | 22.50   |
|                              | Subtest 3    | 20.80 | 20.85 | 20.80 | 22.00   |
|                              | Subtest 4    | 20.82 | 20.76 | 20.84 | 22.00   |
| HSPA+                        | 16QAM        | 21.29 | 21.31 | 21.34 | 21.50   |

### 1.3 Conducted Power of LTE

| LTE Band 5 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz     | QPSK       | 1       | 0         | 23.19                | 23.12   | 23.09   | 24.50   |
|            |            | 1       | 2         | 23.00                | 23.00   | 23.06   | 24.50   |
|            |            | 1       | 5         | 23.09                | 23.13   | 23.06   | 24.50   |
|            |            | 3       | 0         | 23.06                | 23.06   | 23.01   | 24.50   |
|            |            | 3       | 2         | 23.11                | 23.02   | 23.00   | 24.50   |
|            |            | 3       | 3         | 23.01                | 23.05   | 23.08   | 24.50   |
|            |            | 6       | 0         | 22.21                | 22.18   | 22.26   | 23.50   |
|            | 16QAM      | 1       | 0         | 22.13                | 22.14   | 22.22   | 23.50   |
|            |            | 1       | 2         | 22.12                | 22.09   | 22.18   | 23.50   |
|            |            | 1       | 5         | 22.17                | 22.17   | 22.18   | 23.50   |
|            |            | 3       | 0         | 22.15                | 22.17   | 22.20   | 23.50   |
|            |            | 3       | 2         | 22.24                | 22.17   | 22.22   | 23.50   |
|            |            | 3       | 3         | 22.10                | 22.14   | 22.16   | 23.50   |
|            |            | 6       | 0         | 21.17                | 21.27   | 21.20   | 22.50   |
|            | 64QAM      | 1       | 0         | 21.20                | 21.34   | 21.25   | 22.50   |
|            |            | 1       | 2         | 21.41                | 21.34   | 21.28   | 22.50   |
|            |            | 1       | 5         | 21.30                | 21.32   | 21.29   | 22.50   |
|            |            | 3       | 0         | 21.28                | 21.25   | 21.21   | 22.50   |
|            |            | 3       | 2         | 21.27                | 21.29   | 21.25   | 22.50   |
|            |            | 3       | 3         | 21.26                | 21.25   | 21.32   | 22.50   |
|            |            | 6       | 0         | 20.32                | 20.31   | 20.32   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz       | QPSK       | 1       | 0         | 23.12                | 23.22   | 23.13   | 24.50   |
|            |            | 1       | 7         | 23.03                | 23.12   | 23.01   | 24.50   |
|            |            | 1       | 14        | 23.06                | 23.11   | 23.12   | 24.50   |
|            |            | 8       | 0         | 22.21                | 22.30   | 22.23   | 23.50   |
|            |            | 8       | 4         | 22.09                | 22.15   | 22.22   | 23.50   |
|            |            | 8       | 7         | 22.13                | 22.11   | 22.19   | 23.50   |
|            |            | 15      | 0         | 22.16                | 22.17   | 22.13   | 23.50   |
|            | 16QAM      | 1       | 0         | 22.20                | 22.23   | 22.20   | 23.50   |
|            |            | 1       | 7         | 22.12                | 22.16   | 22.09   | 23.50   |
|            |            | 1       | 14        | 22.19                | 22.19   | 22.21   | 23.50   |
|            |            | 8       | 0         | 21.25                | 21.32   | 21.23   | 22.50   |
|            |            | 8       | 4         | 21.26                | 21.25   | 21.17   | 22.50   |
|            |            | 8       | 7         | 21.16                | 21.16   | 21.22   | 22.50   |
|            |            | 15      | 0         | 21.18                | 21.14   | 21.26   | 22.50   |
|            | 64QAM      | 1       | 0         | 21.29                | 21.30   | 21.31   | 22.50   |
|            |            | 1       | 7         | 21.33                | 21.32   | 21.27   | 22.50   |
|            |            | 1       | 14        | 21.25                | 21.33   | 21.26   | 22.50   |
|            |            | 8       | 0         | 20.35                | 20.45   | 20.43   | 21.50   |

|           |            | 8       | 4         | 20.46   | 20.38   | 20.39   | 21.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 20.29   | 20.35   | 20.36   | 21.50   |
|           |            | 15      | 0         | 20.29   | 20.35   | 20.29   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.08   | 23.15   | 23.18   | 24.50   |
|           |            | 1       | 13        | 23.04   | 23.00   | 23.08   | 24.50   |
|           |            | 1       | 24        | 23.08   | 23.06   | 23.08   | 24.50   |
|           |            | 12      | 0         | 22.28   | 22.29   | 22.24   | 23.50   |
|           |            | 12      | 6         | 22.09   | 22.17   | 22.19   | 23.50   |
|           |            | 12      | 13        | 22.14   | 22.12   | 22.17   | 23.50   |
|           |            | 25      | 0         | 22.19   | 22.23   | 22.15   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.19   | 22.24   | 22.24   | 23.50   |
|           |            | 1       | 13        | 22.13   | 22.11   | 22.11   | 23.50   |
|           |            | 1       | 24        | 22.16   | 22.17   | 22.21   | 23.50   |
|           |            | 12      | 0         | 21.21   | 21.32   | 21.20   | 22.50   |
|           |            | 12      | 6         | 21.26   | 21.23   | 21.13   | 22.50   |
|           |            | 12      | 13        | 21.17   | 21.20   | 21.22   | 22.50   |
|           |            | 25      | 0         | 21.21   | 21.23   | 21.23   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.21   | 21.24   | 21.28   | 22.50   |
|           |            | 1       | 13        | 21.36   | 21.40   | 21.25   | 22.50   |
|           |            | 1       | 24        | 21.23   | 21.32   | 21.21   | 22.50   |
|           |            | 12      | 0         | 20.37   | 20.46   | 20.36   | 21.50   |
|           |            | 12      | 6         | 20.45   | 20.40   | 20.38   | 21.50   |
|           |            | 12      | 13        | 20.32   | 20.33   | 20.42   | 21.50   |
|           |            | 25      | 0         | 20.30   | 20.30   | 20.29   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.07   | 23.21   | 23.12   | 24.50   |
|           |            | 1       | 25        | 23.08   | 23.08   | 23.03   | 24.50   |
|           |            | 1       | 49        | 23.03   | 23.14   | 23.08   | 24.50   |
|           |            | 25      | 0         | 22.22   | 22.29   | 22.18   | 23.50   |
|           |            | 25      | 13        | 22.14   | 22.18   | 22.19   | 23.50   |
|           |            | 25      | 25        | 22.09   | 22.14   | 22.14   | 23.50   |
|           |            | 50      | 0         | 22.19   | 22.15   | 22.16   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.19   | 22.16   | 22.24   | 23.50   |
|           |            | 1       | 25        | 22.16   | 22.13   | 22.10   | 23.50   |
|           |            | 1       | 49        | 22.15   | 22.19   | 22.13   | 23.50   |
|           |            | 25      | 0         | 21.20   | 21.26   | 21.26   | 22.50   |
|           |            | 25      | 13        | 21.19   | 21.26   | 21.17   | 22.50   |
|           |            | 25      | 25        | 21.21   | 21.16   | 21.22   | 22.50   |
|           |            | 50      | 0         | 21.21   | 21.19   | 21.25   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.29   | 21.28   | 21.26   | 22.50   |
|           |            | 1       | 25        | 21.33   | 21.34   | 21.24   | 22.50   |
|           |            | 1       | 49        | 21.21   | 21.32   | 21.27   | 22.50   |
|           |            | 25      | 0         | 20.41   | 20.39   | 20.39   | 21.50   |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 25 | 13 | 20.38 | 20.40 | 20.43 | 21.50 |
|  |  | 25 | 25 | 20.27 | 20.33 | 20.34 | 21.50 |
|  |  | 50 | 0  | 20.25 | 20.30 | 20.37 | 21.50 |

| LTE Band 12 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz      | QPSK       | 1       | 0         | 23.21                | 23.20   | 23.20   | 24.50   |
|             |            | 1       | 2         | 23.05                | 23.09   | 23.15   | 24.50   |
|             |            | 1       | 5         | 23.23                | 23.13   | 23.13   | 24.50   |
|             |            | 3       | 0         | 23.11                | 23.17   | 23.06   | 24.50   |
|             |            | 3       | 2         | 23.10                | 23.14   | 23.17   | 24.50   |
|             |            | 3       | 3         | 23.12                | 23.13   | 23.15   | 24.50   |
|             |            | 6       | 0         | 22.29                | 22.21   | 22.28   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.31                | 22.25   | 22.29   | 23.50   |
|             |            | 1       | 2         | 22.15                | 22.19   | 22.22   | 23.50   |
|             |            | 1       | 5         | 22.21                | 22.31   | 22.25   | 23.50   |
|             |            | 3       | 0         | 22.25                | 22.30   | 22.32   | 23.50   |
|             |            | 3       | 2         | 22.32                | 22.31   | 22.36   | 23.50   |
|             |            | 3       | 3         | 22.25                | 22.27   | 22.23   | 23.50   |
|             |            | 6       | 0         | 21.20                | 21.32   | 21.30   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.32                | 21.37   | 21.42   | 22.50   |
|             |            | 1       | 2         | 21.42                | 21.43   | 21.40   | 22.50   |
|             |            | 1       | 5         | 21.37                | 21.47   | 21.45   | 22.50   |
|             |            | 3       | 0         | 21.29                | 21.38   | 21.35   | 22.50   |
|             |            | 3       | 2         | 21.40                | 21.35   | 21.34   | 22.50   |
|             |            | 3       | 3         | 21.40                | 21.35   | 21.39   | 22.50   |
|             |            | 6       | 0         | 20.42                | 20.47   | 20.39   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz        | QPSK       | 1       | 0         | 23.23                | 23.31   | 23.28   | 24.50   |
|             |            | 1       | 7         | 23.22                | 23.08   | 23.20   | 24.50   |
|             |            | 1       | 14        | 23.17                | 23.20   | 23.21   | 24.50   |
|             |            | 8       | 0         | 22.30                | 22.39   | 22.28   | 23.50   |
|             |            | 8       | 4         | 22.25                | 22.31   | 22.28   | 23.50   |
|             |            | 8       | 7         | 22.26                | 22.15   | 22.26   | 23.50   |
|             |            | 15      | 0         | 22.35                | 22.30   | 22.19   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.26                | 22.36   | 22.30   | 23.50   |
|             |            | 1       | 7         | 22.30                | 22.22   | 22.27   | 23.50   |
|             |            | 1       | 14        | 22.30                | 22.27   | 22.30   | 23.50   |
|             |            | 8       | 0         | 21.37                | 21.31   | 21.29   | 22.50   |
|             |            | 8       | 4         | 21.25                | 21.41   | 21.26   | 22.50   |
|             |            | 8       | 7         | 21.26                | 21.34   | 21.34   | 22.50   |
|             |            | 15      | 0         | 21.26                | 21.23   | 21.36   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.36                | 21.43   | 21.31   | 22.50   |

|           |            | 1       | 7         | 21.41   | 21.53   | 21.45   | 22.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 14        | 21.33   | 21.41   | 21.30   | 22.50   |
|           |            | 8       | 0         | 20.49   | 20.60   | 20.51   | 21.50   |
|           |            | 8       | 4         | 20.50   | 20.52   | 20.47   | 21.50   |
|           |            | 8       | 7         | 20.38   | 20.53   | 20.53   | 21.50   |
|           |            | 15      | 0         | 20.37   | 20.35   | 20.43   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.14   | 23.29   | 23.29   | 24.50   |
|           |            | 1       | 13        | 23.22   | 23.11   | 23.23   | 24.50   |
|           |            | 1       | 24        | 23.13   | 23.22   | 23.24   | 24.50   |
|           |            | 12      | 0         | 22.35   | 22.34   | 22.33   | 23.50   |
|           |            | 12      | 6         | 22.26   | 22.24   | 22.21   | 23.50   |
|           |            | 12      | 13        | 22.25   | 22.18   | 22.24   | 23.50   |
|           |            | 25      | 0         | 22.32   | 22.30   | 22.21   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.24   | 22.26   | 22.31   | 23.50   |
|           |            | 1       | 13        | 22.25   | 22.18   | 22.29   | 23.50   |
|           |            | 1       | 24        | 22.30   | 22.23   | 22.33   | 23.50   |
|           |            | 12      | 0         | 21.29   | 21.32   | 21.31   | 22.50   |
|           |            | 12      | 6         | 21.28   | 21.34   | 21.27   | 22.50   |
|           |            | 12      | 13        | 21.24   | 21.29   | 21.37   | 22.50   |
|           |            | 25      | 0         | 21.31   | 21.26   | 21.32   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.37   | 21.37   | 21.29   | 22.50   |
|           |            | 1       | 13        | 21.50   | 21.44   | 21.37   | 22.50   |
|           |            | 1       | 24        | 21.28   | 21.38   | 21.35   | 22.50   |
|           |            | 12      | 0         | 20.46   | 20.58   | 20.48   | 21.50   |
|           |            | 12      | 6         | 20.45   | 20.53   | 20.48   | 21.50   |
|           |            | 12      | 13        | 20.39   | 20.44   | 20.48   | 21.50   |
|           |            | 25      | 0         | 20.35   | 20.44   | 20.41   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.23   | 23.36   | 23.28   | 24.50   |
|           |            | 1       | 25        | 23.21   | 23.07   | 23.22   | 24.50   |
|           |            | 1       | 49        | 23.12   | 23.16   | 23.19   | 24.50   |
|           |            | 25      | 0         | 22.35   | 22.35   | 22.27   | 23.50   |
|           |            | 25      | 13        | 22.26   | 22.30   | 22.21   | 23.50   |
|           |            | 25      | 25        | 22.27   | 22.17   | 22.24   | 23.50   |
|           |            | 50      | 0         | 22.33   | 22.38   | 22.20   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.26   | 22.32   | 22.27   | 23.50   |
|           |            | 1       | 25        | 22.24   | 22.15   | 22.26   | 23.50   |
|           |            | 1       | 49        | 22.27   | 22.27   | 22.36   | 23.50   |
|           |            | 25      | 0         | 21.32   | 21.34   | 21.32   | 22.50   |
|           |            | 25      | 13        | 21.33   | 21.37   | 21.32   | 22.50   |
|           |            | 25      | 25        | 21.25   | 21.26   | 21.40   | 22.50   |
|           |            | 50      | 0         | 21.28   | 21.24   | 21.30   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.34   | 21.39   | 21.31   | 22.50   |

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 1  | 25 | 21.43 | 21.50 | 21.40 | 22.50 |
|  |  | 1  | 49 | 21.33 | 21.37 | 21.28 | 22.50 |
|  |  | 25 | 0  | 20.48 | 20.58 | 20.54 | 21.50 |
|  |  | 25 | 13 | 20.43 | 20.54 | 20.52 | 21.50 |
|  |  | 25 | 25 | 20.39 | 20.53 | 20.54 | 21.50 |
|  |  | 50 | 0  | 20.41 | 20.38 | 20.37 | 21.50 |

| LTE Band 13 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 23205                | 23230   | 23255   |         |
| 5MHz        | QPSK       | 1       | 0         | 23.09                | 23.13   | 23.11   | 24.50   |
|             |            | 1       | 13        | 23.13                | 23.11   | 23.02   | 24.50   |
|             |            | 1       | 24        | 23.11                | 23.16   | 23.11   | 24.50   |
|             |            | 12      | 0         | 22.19                | 22.18   | 22.24   | 23.50   |
|             |            | 12      | 6         | 22.21                | 22.14   | 22.24   | 23.50   |
|             |            | 12      | 13        | 22.06                | 22.12   | 22.16   | 23.50   |
|             |            | 25      | 0         | 22.17                | 22.24   | 22.10   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.15                | 22.28   | 22.22   | 23.50   |
|             |            | 1       | 13        | 22.10                | 22.08   | 22.11   | 23.50   |
|             |            | 1       | 24        | 22.19                | 22.20   | 22.16   | 23.50   |
|             |            | 12      | 0         | 21.32                | 21.31   | 21.19   | 22.50   |
|             |            | 12      | 6         | 21.24                | 21.26   | 21.21   | 22.50   |
|             |            | 12      | 13        | 21.19                | 21.25   | 21.29   | 22.50   |
|             |            | 25      | 0         | 21.24                | 21.18   | 21.25   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.27                | 21.31   | 21.29   | 22.50   |
|             |            | 1       | 13        | 21.30                | 21.42   | 21.26   | 22.50   |
|             |            | 1       | 24        | 21.24                | 21.31   | 21.28   | 22.50   |
|             |            | 12      | 0         | 20.41                | 20.35   | 20.46   | 21.50   |
|             |            | 12      | 6         | 20.36                | 20.41   | 20.49   | 21.50   |
|             |            | 12      | 13        | 20.24                | 20.38   | 20.40   | 21.50   |
|             |            | 25      | 0         | 20.28                | 20.37   | 20.34   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | /                    | 23230   | /       |         |
| 10MHz       | QPSK       | 1       | 0         | /                    | 23.21   | /       | 24.50   |
|             |            | 1       | 25        | /                    | 23.02   | /       | 24.50   |
|             |            | 1       | 49        | /                    | 23.11   | /       | 24.50   |
|             |            | 25      | 0         | /                    | 22.27   | /       | 23.50   |
|             |            | 25      | 13        | /                    | 22.18   | /       | 23.50   |
|             |            | 25      | 25        | /                    | 22.09   | /       | 23.50   |
|             |            | 50      | 0         | /                    | 22.18   | /       | 23.50   |
|             | 16QAM      | 1       | 0         | /                    | 22.16   | /       | 23.50   |
|             |            | 1       | 25        | /                    | 22.18   | /       | 23.50   |
|             |            | 1       | 49        | /                    | 22.17   | /       | 23.50   |
|             |            | 25      | 0         | /                    | 21.24   | /       | 22.50   |
|             |            | 25      | 13        | /                    | 21.21   | /       | 22.50   |

|  |       |    |    |   |       |   |       |
|--|-------|----|----|---|-------|---|-------|
|  |       | 25 | 25 | / | 21.16 | / | 22.50 |
|  |       | 50 | 0  | / | 21.24 | / | 22.50 |
|  | 64QAM | 1  | 0  | / | 21.21 | / | 22.50 |
|  |       | 1  | 25 | / | 21.32 | / | 22.50 |
|  |       | 1  | 49 | / | 21.32 | / | 22.50 |
|  |       | 25 | 0  | / | 20.40 | / | 21.50 |
|  |       | 25 | 13 | / | 20.42 | / | 21.50 |
|  |       | 25 | 25 | / | 20.31 | / | 21.50 |
|  |       | 50 | 0  | / | 20.38 | / | 21.50 |

| LTE Band 17 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz        | QPSK       | 1       | 0         | 23.21                | 23.29   | 23.23   | 24.50   |
|             |            | 1       | 13        | 23.16                | 23.01   | 23.09   | 24.50   |
|             |            | 1       | 24        | 23.14                | 23.22   | 23.21   | 24.50   |
|             |            | 12      | 0         | 22.38                | 22.38   | 22.33   | 23.50   |
|             |            | 12      | 6         | 22.27                | 22.22   | 22.27   | 23.50   |
|             |            | 12      | 13        | 22.23                | 22.22   | 22.24   | 23.50   |
|             |            | 25      | 0         | 22.33                | 22.33   | 22.27   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.23                | 22.36   | 22.34   | 23.50   |
|             |            | 1       | 13        | 22.25                | 22.25   | 22.19   | 23.50   |
|             |            | 1       | 24        | 22.29                | 22.26   | 22.21   | 23.50   |
|             |            | 12      | 0         | 21.36                | 21.39   | 21.37   | 22.50   |
|             |            | 12      | 6         | 21.27                | 21.38   | 21.31   | 22.50   |
|             |            | 12      | 13        | 21.24                | 21.33   | 21.32   | 22.50   |
|             |            | 25      | 0         | 21.35                | 21.34   | 21.33   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.29                | 21.32   | 21.36   | 22.50   |
|             |            | 1       | 13        | 21.44                | 21.52   | 21.40   | 22.50   |
|             |            | 1       | 24        | 21.35                | 21.39   | 21.38   | 22.50   |
|             |            | 12      | 0         | 20.50                | 20.52   | 20.54   | 21.50   |
|             |            | 12      | 6         | 20.51                | 20.53   | 20.51   | 21.50   |
|             |            | 12      | 13        | 20.36                | 20.44   | 20.46   | 21.50   |
|             |            | 25      | 0         | 20.38                | 20.48   | 20.35   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz       | QPSK       | 1       | 0         | 23.15                | 23.33   | 23.28   | 24.50   |
|             |            | 1       | 25        | 23.17                | 23.30   | 23.15   | 24.50   |
|             |            | 1       | 49        | 23.17                | 23.19   | 23.19   | 24.50   |
|             |            | 25      | 0         | 22.37                | 22.36   | 22.32   | 23.50   |
|             |            | 25      | 13        | 22.24                | 22.18   | 22.31   | 23.50   |
|             |            | 25      | 25        | 22.16                | 22.25   | 22.25   | 23.50   |
|             |            | 50      | 0         | 22.29                | 22.29   | 22.27   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.23                | 22.32   | 22.36   | 23.50   |
|             |            | 1       | 25        | 22.27                | 22.19   | 22.17   | 23.50   |



|  |       |    |    |       |       |       |       |
|--|-------|----|----|-------|-------|-------|-------|
|  |       | 1  | 49 | 22.30 | 22.29 | 22.27 | 23.50 |
|  |       | 25 | 0  | 21.35 | 21.44 | 21.32 | 22.50 |
|  |       | 25 | 13 | 21.33 | 21.35 | 21.29 | 22.50 |
|  |       | 25 | 25 | 21.21 | 21.36 | 21.33 | 22.50 |
|  |       | 50 | 0  | 21.27 | 21.27 | 21.36 | 22.50 |
|  | 64QAM | 1  | 0  | 21.37 | 21.34 | 21.43 | 22.50 |
|  |       | 1  | 25 | 21.44 | 21.49 | 21.36 | 22.50 |
|  |       | 1  | 49 | 21.29 | 21.41 | 21.37 | 22.50 |
|  |       | 25 | 0  | 20.43 | 20.44 | 20.51 | 21.50 |
|  |       | 25 | 13 | 20.53 | 20.49 | 20.53 | 21.50 |
|  |       | 25 | 25 | 20.37 | 20.43 | 20.50 | 21.50 |
|  |       | 50 | 0  | 20.32 | 20.50 | 20.35 | 21.50 |

| LTE Band 26 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz      | QPSK       | 1       | 0         | 23.49                | 23.48   | 23.41   | 24.50   |
|             |            | 1       | 2         | 23.30                | 23.27   | 23.41   | 24.50   |
|             |            | 1       | 5         | 23.36                | 23.36   | 23.47   | 24.50   |
|             |            | 3       | 0         | 23.21                | 23.42   | 23.34   | 24.50   |
|             |            | 3       | 2         | 23.40                | 23.24   | 23.28   | 24.50   |
|             |            | 3       | 3         | 23.25                | 23.37   | 23.43   | 24.50   |
|             |            | 6       | 0         | 22.57                | 22.46   | 22.58   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.37                | 22.48   | 22.53   | 23.50   |
|             |            | 1       | 2         | 22.42                | 22.39   | 22.47   | 23.50   |
|             |            | 1       | 5         | 22.41                | 22.52   | 22.48   | 23.50   |
|             |            | 3       | 0         | 22.46                | 22.41   | 22.49   | 23.50   |
|             |            | 3       | 2         | 22.48                | 22.43   | 22.55   | 23.50   |
|             |            | 3       | 3         | 22.41                | 22.48   | 22.54   | 23.50   |
|             |            | 6       | 0         | 21.54                | 21.49   | 21.53   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.54                | 21.67   | 21.56   | 22.50   |
|             |            | 1       | 2         | 21.63                | 21.61   | 21.59   | 22.50   |
|             |            | 1       | 5         | 21.57                | 21.64   | 21.58   | 22.50   |
|             |            | 3       | 0         | 21.62                | 21.53   | 21.51   | 22.50   |
|             |            | 3       | 2         | 21.60                | 21.61   | 21.50   | 22.50   |
|             |            | 3       | 3         | 21.62                | 21.66   | 21.63   | 22.50   |
|             |            | 6       | 0         | 20.57                | 20.60   | 20.66   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz        | QPSK       | 1       | 0         | 23.31                | 23.42   | 23.37   | 24.50   |
|             |            | 1       | 7         | 23.27                | 23.29   | 23.28   | 24.50   |
|             |            | 1       | 14        | 23.32                | 23.35   | 23.25   | 24.50   |
|             |            | 8       | 0         | 22.46                | 22.44   | 22.41   | 23.50   |
|             |            | 8       | 4         | 22.38                | 22.35   | 22.42   | 23.50   |
|             |            | 8       | 7         | 22.33                | 22.31   | 22.29   | 23.50   |

|           |            | 15      | 0         | 22.43   | 22.38   | 22.37   | 23.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 22.36   | 22.47   | 22.39   | 23.50   |
|           |            | 1       | 7         | 22.29   | 22.30   | 22.36   | 23.50   |
|           |            | 1       | 14        | 22.38   | 22.44   | 22.38   | 23.50   |
|           |            | 8       | 0         | 21.53   | 21.50   | 21.42   | 22.50   |
|           |            | 8       | 4         | 21.36   | 21.49   | 21.44   | 22.50   |
|           |            | 8       | 7         | 21.35   | 21.42   | 21.49   | 22.50   |
|           |            | 15      | 0         | 21.42   | 21.41   | 21.36   | 22.50   |
|           |            | 1       | 0         | 21.42   | 21.47   | 21.51   | 22.50   |
|           |            | 1       | 7         | 21.50   | 21.57   | 21.42   | 22.50   |
|           |            | 1       | 14        | 21.40   | 21.50   | 21.45   | 22.50   |
|           |            | 8       | 0         | 20.58   | 20.55   | 20.65   | 21.50   |
|           |            | 8       | 4         | 20.55   | 20.61   | 20.62   | 21.50   |
|           |            | 8       | 7         | 20.52   | 20.51   | 20.62   | 21.50   |
|           |            | 15      | 0         | 20.53   | 20.61   | 20.44   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.25   | 23.36   | 23.39   | 24.50   |
|           |            | 1       | 13        | 23.24   | 23.28   | 23.21   | 24.50   |
|           |            | 1       | 24        | 23.33   | 23.38   | 23.28   | 24.50   |
|           |            | 12      | 0         | 22.44   | 22.43   | 22.43   | 23.50   |
|           |            | 12      | 6         | 22.38   | 22.28   | 22.40   | 23.50   |
|           |            | 12      | 13        | 22.31   | 22.31   | 22.35   | 23.50   |
|           |            | 25      | 0         | 22.36   | 22.43   | 22.36   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.31   | 22.40   | 22.45   | 23.50   |
|           |            | 1       | 13        | 22.33   | 22.27   | 22.36   | 23.50   |
|           |            | 1       | 24        | 22.37   | 22.43   | 22.40   | 23.50   |
|           |            | 12      | 0         | 21.45   | 21.50   | 21.49   | 22.50   |
|           |            | 12      | 6         | 21.39   | 21.44   | 21.42   | 22.50   |
|           |            | 12      | 13        | 21.41   | 21.39   | 21.46   | 22.50   |
|           |            | 25      | 0         | 21.39   | 21.44   | 21.44   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.44   | 21.46   | 21.46   | 22.50   |
|           |            | 1       | 13        | 21.52   | 21.54   | 21.42   | 22.50   |
|           |            | 1       | 24        | 21.41   | 21.51   | 21.49   | 22.50   |
|           |            | 12      | 0         | 20.54   | 20.55   | 20.57   | 21.50   |
|           |            | 12      | 6         | 20.60   | 20.65   | 20.61   | 21.50   |
|           |            | 12      | 13        | 20.48   | 20.52   | 20.63   | 21.50   |
|           |            | 25      | 0         | 20.49   | 20.63   | 20.49   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.32   | 23.41   | 23.33   | 24.50   |
|           |            | 1       | 25        | 23.30   | 23.34   | 23.20   | 24.50   |
|           |            | 1       | 49        | 23.29   | 23.34   | 23.24   | 24.50   |
|           |            | 25      | 0         | 22.45   | 22.47   | 22.44   | 23.50   |
|           |            | 25      | 13        | 22.33   | 22.27   | 22.38   | 23.50   |
|           |            | 25      | 25        | 22.35   | 22.33   | 22.35   | 23.50   |

|           | 16QAM      | 50      | 0         | 22.36   | 22.37   | 22.34   | 23.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 22.36   | 22.38   | 22.45   | 23.50   |
|           |            | 1       | 25        | 22.38   | 22.35   | 22.29   | 23.50   |
|           |            | 1       | 49        | 22.36   | 22.38   | 22.39   | 23.50   |
|           |            | 25      | 0         | 21.49   | 21.51   | 21.49   | 22.50   |
|           |            | 25      | 13        | 21.36   | 21.43   | 21.37   | 22.50   |
|           |            | 25      | 25        | 21.31   | 21.46   | 21.45   | 22.50   |
|           |            | 50      | 0         | 21.45   | 21.38   | 21.37   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.38   | 21.50   | 21.50   | 22.50   |
|           |            | 1       | 25        | 21.48   | 21.62   | 21.46   | 22.50   |
|           |            | 1       | 49        | 21.46   | 21.51   | 21.45   | 22.50   |
|           |            | 25      | 0         | 20.57   | 20.56   | 20.55   | 21.50   |
|           |            | 25      | 13        | 20.62   | 20.58   | 20.68   | 21.50   |
|           |            | 25      | 25        | 20.49   | 20.61   | 20.54   | 21.50   |
|           |            | 50      | 0         | 20.49   | 20.56   | 20.51   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.31   | 23.56   | 23.37   | 24.50   |
|           |            | 1       | 38        | 23.31   | 23.37   | 23.22   | 24.50   |
|           |            | 1       | 74        | 23.30   | 23.33   | 23.27   | 24.50   |
|           |            | 36      | 0         | 22.43   | 22.48   | 22.37   | 23.50   |
|           |            | 36      | 18        | 22.42   | 22.32   | 22.39   | 23.50   |
|           |            | 36      | 39        | 22.29   | 22.32   | 22.39   | 23.50   |
|           |            | 75      | 0         | 22.46   | 22.45   | 22.29   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.34   | 22.43   | 22.46   | 23.50   |
|           |            | 1       | 38        | 22.30   | 22.29   | 22.27   | 23.50   |
|           |            | 1       | 74        | 22.38   | 22.42   | 22.37   | 23.50   |
|           |            | 36      | 0         | 21.49   | 21.53   | 21.44   | 22.50   |
|           |            | 36      | 18        | 21.42   | 21.48   | 21.39   | 22.50   |
|           |            | 36      | 39        | 21.38   | 21.39   | 21.40   | 22.50   |
|           |            | 75      | 0         | 21.37   | 21.47   | 21.41   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.40   | 21.47   | 21.54   | 22.50   |
|           |            | 1       | 38        | 21.44   | 21.62   | 21.47   | 22.50   |
|           |            | 1       | 74        | 21.43   | 21.51   | 21.49   | 22.50   |
|           |            | 36      | 0         | 20.61   | 20.60   | 20.55   | 21.50   |
|           |            | 36      | 18        | 20.54   | 20.60   | 20.62   | 21.50   |
|           |            | 36      | 39        | 20.54   | 20.53   | 20.61   | 21.50   |
|           |            | 75      | 0         | 20.50   | 20.60   | 20.52   | 21.50   |

| LTE Band 71 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 133147               | 133297  | 133447  |         |
| 5MHz        | QPSK       | 1       | 0         | 23.31                | 23.19   | 23.17   | 24.50   |
|             |            | 1       | 13        | 23.06                | 23.25   | 23.23   | 24.50   |
|             |            | 1       | 24        | 23.26                | 23.24   | 23.23   | 24.50   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 23.07   | 23.18   | 23.14   | 23.50   |
|           |            | 12      | 6         | 23.09   | 23.14   | 23.12   | 23.50   |
|           |            | 12      | 13        | 23.1    | 23.18   | 23.16   | 23.50   |
|           |            | 25      | 0         | 22.36   | 22.25   | 22.31   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.25   | 22.26   | 22.32   | 23.50   |
|           |            | 1       | 13        | 22.2    | 22.29   | 22.24   | 23.50   |
|           |            | 1       | 24        | 22.2    | 22.33   | 22.32   | 23.50   |
|           |            | 12      | 0         | 22.28   | 22.25   | 22.3    | 22.50   |
|           |            | 12      | 6         | 22.24   | 22.29   | 22.29   | 22.50   |
|           |            | 12      | 13        | 22.24   | 22.25   | 22.32   | 22.50   |
|           |            | 25      | 0         | 21.32   | 21.29   | 21.33   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.33   | 21.46   | 21.40   | 22.50   |
|           |            | 1       | 13        | 21.42   | 21.48   | 21.37   | 22.50   |
|           |            | 1       | 24        | 21.31   | 21.47   | 21.44   | 22.50   |
|           |            | 12      | 0         | 21.44   | 21.32   | 21.35   | 21.50   |
|           |            | 12      | 6         | 21.35   | 21.40   | 21.29   | 21.50   |
|           |            | 12      | 13        | 21.32   | 21.41   | 21.43   | 21.50   |
|           |            | 25      | 0         | 20.38   | 20.43   | 20.50   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 133172  | 133297  | 133422  |         |
| 10MHz     | QPSK       | 1       | 0         | 23.25   | 23.23   | 23.16   | 24.50   |
|           |            | 1       | 25        | 23.17   | 23.22   | 23.15   | 24.50   |
|           |            | 1       | 49        | 23.21   | 23.16   | 23.21   | 24.50   |
|           |            | 25      | 0         | 23.04   | 23.23   | 23.12   | 23.50   |
|           |            | 25      | 13        | 23.12   | 23.06   | 23.14   | 23.50   |
|           |            | 25      | 25        | 23.08   | 23.13   | 23.18   | 23.50   |
|           |            | 50      | 0         | 22.34   | 22.29   | 22.40   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.19   | 22.29   | 22.31   | 23.50   |
|           |            | 1       | 25        | 22.18   | 22.27   | 22.24   | 23.50   |
|           |            | 1       | 49        | 22.27   | 22.32   | 22.23   | 23.50   |
|           |            | 25      | 0         | 22.25   | 22.22   | 22.25   | 22.50   |
|           |            | 25      | 13        | 22.30   | 22.20   | 22.29   | 22.50   |
|           |            | 25      | 25        | 22.22   | 22.29   | 22.30   | 22.50   |
|           |            | 50      | 0         | 21.28   | 21.28   | 21.37   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.33   | 21.47   | 21.45   | 22.50   |
|           |            | 1       | 25        | 21.49   | 21.42   | 21.39   | 22.50   |
|           |            | 1       | 49        | 21.33   | 21.44   | 21.39   | 22.50   |
|           |            | 25      | 0         | 21.35   | 21.36   | 21.28   | 21.50   |
|           |            | 25      | 13        | 21.46   | 21.39   | 21.28   | 21.50   |
|           |            | 25      | 25        | 21.38   | 21.39   | 21.50   | 21.50   |
|           |            | 50      | 0         | 20.38   | 20.36   | 20.49   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 133197  | 133297  | 133397  |         |
| 15MHz     | QPSK       | 1       | 0         | 23.28   | 23.25   | 23.18   | 24.50   |
|           |            | 1       | 38        | 23.07   | 23.20   | 23.18   | 24.50   |
|           |            | 1       | 74        | 23.24   | 23.18   | 23.21   | 24.50   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 0         | 23.06   | 23.22   | 23.14   | 23.50   |
|           |            | 36      | 18        | 23.13   | 23.12   | 23.07   | 23.50   |
|           |            | 36      | 39        | 23.01   | 23.14   | 23.16   | 23.50   |
|           |            | 75      | 0         | 22.36   | 22.25   | 22.32   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.22   | 22.32   | 22.32   | 23.50   |
|           |            | 1       | 38        | 22.15   | 22.22   | 22.33   | 23.50   |
|           |            | 1       | 74        | 22.21   | 22.29   | 22.24   | 23.50   |
|           |            | 36      | 0         | 22.24   | 22.31   | 22.29   | 22.50   |
|           |            | 36      | 18        | 22.34   | 22.26   | 22.26   | 22.50   |
|           |            | 36      | 39        | 22.24   | 22.26   | 22.40   | 22.50   |
|           |            | 75      | 0         | 21.35   | 21.36   | 21.30   | 22.50   |
|           |            | 1       | 0         | 21.36   | 21.44   | 21.35   | 22.50   |
|           | 64QAM      | 1       | 38        | 21.50   | 21.40   | 21.34   | 22.50   |
|           |            | 1       | 74        | 21.36   | 21.45   | 21.38   | 22.50   |
|           |            | 36      | 0         | 21.41   | 21.32   | 21.32   | 21.50   |
|           |            | 36      | 18        | 21.45   | 21.37   | 21.31   | 21.50   |
|           |            | 36      | 39        | 21.36   | 21.44   | 21.41   | 21.50   |
|           |            | 75      | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 1       | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 1       | 38        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 1       | 74        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 36      | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 36      | 18        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 36      | 39        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 75      | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 1       | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 1       | 38        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 1       | 74        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 36      | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 36      | 18        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 36      | 39        | 20.40   | 20.40   | 20.40   | 21.50   |
|           |            | 75      | 0         | 20.40   | 20.40   | 20.40   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 133222  | 133322  | 133372  |         |
| 20MHz     | QPSK       | 1       | 0         | 23.30   | 23.39   | 23.20   | 24.50   |
|           |            | 1       | 50        | 23.13   | 23.21   | 23.17   | 24.50   |
|           |            | 1       | 99        | 23.22   | 23.22   | 23.19   | 24.50   |
|           |            | 50      | 0         | 23.04   | 23.15   | 23.14   | 23.50   |
|           |            | 50      | 25        | 23.18   | 23.12   | 23.10   | 23.50   |
|           |            | 50      | 50        | 23.12   | 23.21   | 23.19   | 23.50   |
|           |            | 100     | 0         | 22.30   | 22.29   | 22.40   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.17   | 22.28   | 22.30   | 23.50   |
|           |            | 1       | 50        | 22.21   | 22.26   | 22.30   | 23.50   |
|           |            | 1       | 99        | 22.21   | 22.25   | 22.22   | 23.50   |
|           |            | 50      | 0         | 22.30   | 22.24   | 22.33   | 22.50   |
|           |            | 50      | 25        | 22.31   | 22.30   | 22.34   | 22.50   |
|           |            | 50      | 50        | 22.27   | 22.32   | 22.39   | 22.50   |
|           |            | 100     | 0         | 21.36   | 21.36   | 21.33   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.35   | 21.43   | 21.42   | 22.50   |
|           |            | 1       | 50        | 21.51   | 21.42   | 21.37   | 22.50   |
|           |            | 1       | 99        | 21.34   | 21.41   | 21.46   | 22.50   |
|           |            | 50      | 0         | 21.40   | 21.35   | 21.27   | 21.50   |
|           |            | 50      | 25        | 21.44   | 21.36   | 21.35   | 21.50   |
|           |            | 50      | 50        | 21.40   | 21.44   | 21.50   | 21.50   |
|           |            | 100     | 0         | 20.45   | 20.39   | 20.44   | 21.50   |

## 2 Conducted Power of Main Antenna(Ant2)

### 2.1 Conducted Power of GSM

| GSM 1900                |            |       |       |       |         |                  |                                 |       |       |         |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|---------|
| 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        | 20.45 | 20.47 | 20.42 | 21.50   | -9.19            | 11.26                           | 11.28 | 11.23 | 12.31   |
| GPRS<br>(GMSK)          | 1 TX Slot  | 20.54 | 20.41 | 20.47 | 21.50   | -9.19            | 11.35                           | 11.22 | 11.28 | 12.31   |
|                         | 2 TX Slots | 20.50 | 20.49 | 20.58 | 21.50   | -6.18            | 14.32                           | 14.31 | 14.40 | 15.32   |
|                         | 3 TX Slots | 19.95 | 19.94 | 20.06 | 21.50   | -4.42            | 15.53                           | 15.52 | 15.64 | 17.08   |
|                         | 4 TX Slots | 19.84 | 19.88 | 19.87 | 21.00   | -3.17            | 16.67                           | 16.71 | 16.70 | 17.83   |
| EGPRS<br>(GMSK)         | 1 TX Slot  | 20.46 | 20.48 | 20.44 | 21.50   | -9.19            | 11.27                           | 11.29 | 11.25 | 12.31   |
|                         | 2 TX Slots | 20.45 | 20.46 | 20.44 | 21.50   | -6.18            | 14.27                           | 14.28 | 14.26 | 15.32   |
|                         | 3 TX Slots | 20.04 | 19.94 | 20.03 | 21.50   | -4.42            | 15.62                           | 15.52 | 15.61 | 17.08   |
|                         | 4 TX Slots | 19.74 | 19.75 | 19.73 | 21.00   | -3.17            | 16.57                           | 16.58 | 16.56 | 17.83   |
| EGPRS<br>(8PSK)         | 1 TX Slot  | 18.96 | 18.93 | 18.89 | 19.50   | -9.19            | 9.77                            | 9.74  | 9.70  | 10.31   |
|                         | 2 TX Slots | 18.12 | 18.22 | 18.21 | 18.50   | -6.18            | 11.94                           | 12.04 | 12.03 | 12.32   |
|                         | 3 TX Slots | 16.21 | 16.19 | 16.20 | 17.50   | -4.42            | 11.79                           | 11.77 | 11.78 | 13.08   |
|                         | 4 TX Slots | 15.14 | 15.19 | 15.19 | 16.50   | -3.17            | 11.97                           | 12.02 | 12.02 | 13.33   |

### 2.2 Conducted Power of WCDMA

| WCDMA Band II                |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 18.32 | 18.34 | 18.32 | 19.00   |
|                              | 12.2kbps AMR | 18.21 | 18.27 | 18.27 | 19.00   |
| HSDPA                        | Subtest 1    | 17.20 | 17.34 | 17.34 | 18.00   |
|                              | Subtest 2    | 17.31 | 17.26 | 17.33 | 18.00   |
|                              | Subtest 3    | 16.84 | 16.84 | 16.86 | 17.50   |
|                              | Subtest 4    | 16.83 | 16.85 | 16.84 | 17.50   |
| HSUPA                        | Subtest 1    | 15.27 | 15.28 | 15.27 | 16.00   |
|                              | Subtest 2    | 15.21 | 15.29 | 15.39 | 16.00   |
|                              | Subtest 3    | 15.79 | 15.80 | 15.81 | 17.00   |
|                              | Subtest 4    | 14.85 | 14.84 | 14.80 | 15.50   |
|                              | Subtest 5    | 16.39 | 16.34 | 16.32 | 17.00   |
| DC-HSDPA                     | Subtest 1    | 17.27 | 17.35 | 17.30 | 18.00   |
|                              | Subtest 2    | 17.33 | 17.39 | 17.32 | 18.00   |
|                              | Subtest 3    | 16.83 | 16.77 | 16.87 | 17.50   |
|                              | Subtest 4    | 16.75 | 16.79 | 16.81 | 17.50   |
| HSPA+                        | 16QAM        | 16.30 | 16.14 | 16.23 | 17.00   |

| WCDMA Band IV                |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                        | 12.2kbps RMC | 18.11 | 18.20 | 18.14 | 19.00   |
|                              | 12.2kbps AMR | 18.11 | 18.13 | 18.00 | 19.00   |

|          |           |       |       |       |       |
|----------|-----------|-------|-------|-------|-------|
| HSDPA    | Subtest 1 | 17.01 | 17.12 | 17.18 | 18.00 |
|          | Subtest 2 | 17.10 | 17.21 | 17.16 | 18.00 |
|          | Subtest 3 | 16.63 | 16.56 | 16.58 | 17.50 |
|          | Subtest 4 | 16.64 | 16.67 | 16.63 | 17.50 |
| HSUPA    | Subtest 1 | 15.16 | 15.04 | 15.19 | 16.00 |
|          | Subtest 2 | 15.11 | 15.13 | 15.19 | 16.00 |
|          | Subtest 3 | 15.65 | 15.57 | 15.55 | 17.00 |
|          | Subtest 4 | 14.69 | 14.55 | 14.61 | 15.50 |
|          | Subtest 5 | 16.07 | 16.08 | 16.12 | 17.00 |
| DC-HSDPA | Subtest 1 | 17.08 | 17.08 | 17.07 | 18.00 |
|          | Subtest 2 | 17.15 | 17.13 | 17.13 | 18.00 |
|          | Subtest 3 | 16.65 | 16.63 | 16.72 | 17.50 |
|          | Subtest 4 | 16.68 | 16.64 | 16.64 | 17.50 |
| HSPA+    | 16QAM     | 16.14 | 16.10 | 16.15 | 17.00 |

## 2.3 Conducted Power of LTE

| LTE Band 2 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz     | QPSK       | 1       | 0         | 13.66                | 13.67   | 13.66   | 15.00   |
|            |            | 1       | 2         | 13.45                | 13.53   | 13.51   | 15.00   |
|            |            | 1       | 5         | 13.63                | 13.62   | 13.59   | 15.00   |
|            |            | 3       | 0         | 13.63                | 13.62   | 13.66   | 15.00   |
|            |            | 3       | 2         | 13.54                | 13.54   | 13.50   | 15.00   |
|            |            | 3       | 3         | 13.57                | 13.67   | 13.63   | 15.00   |
|            |            | 6       | 0         | 12.77                | 12.66   | 12.67   | 14.00   |
|            | 16QAM      | 1       | 0         | 12.67                | 12.74   | 12.72   | 14.00   |
|            |            | 1       | 2         | 12.65                | 12.58   | 12.57   | 14.00   |
|            |            | 1       | 5         | 12.65                | 12.66   | 12.72   | 14.00   |
|            |            | 3       | 0         | 12.69                | 12.78   | 12.74   | 14.00   |
|            |            | 3       | 2         | 12.70                | 12.58   | 12.59   | 14.00   |
|            |            | 3       | 3         | 12.62                | 12.64   | 12.66   | 14.00   |
|            |            | 6       | 0         | 11.63                | 11.71   | 11.69   | 13.00   |
|            | 64QAM      | 1       | 0         | 11.73                | 11.75   | 11.88   | 13.00   |
|            |            | 1       | 2         | 11.88                | 11.92   | 11.80   | 13.00   |
|            |            | 1       | 5         | 11.81                | 11.76   | 11.72   | 13.00   |
|            |            | 3       | 0         | 11.74                | 11.75   | 11.86   | 13.00   |
|            |            | 3       | 2         | 11.91                | 11.93   | 11.78   | 13.00   |
|            |            | 3       | 3         | 11.73                | 11.73   | 11.72   | 13.00   |
|            |            | 6       | 0         | 10.83                | 10.82   | 10.87   | 12.00   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz       | QPSK       | 1       | 0         | 13.60                | 13.70   | 13.63   | 15.00   |
|            |            | 1       | 7         | 13.49                | 13.47   | 13.49   | 15.00   |
|            |            | 1       | 14        | 13.63                | 13.64   | 13.63   | 15.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 12.75   | 12.81   | 12.77   | 14.00   |
|           |            | 8       | 4         | 12.61   | 12.75   | 12.73   | 14.00   |
|           |            | 8       | 7         | 12.67   | 12.73   | 12.69   | 14.00   |
|           |            | 15      | 0         | 12.76   | 12.71   | 12.64   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.69   | 12.74   | 12.65   | 14.00   |
|           |            | 1       | 7         | 12.73   | 12.63   | 12.56   | 14.00   |
|           |            | 1       | 14        | 12.61   | 12.63   | 12.73   | 14.00   |
|           |            | 8       | 0         | 11.74   | 11.81   | 11.67   | 13.00   |
|           |            | 8       | 4         | 11.83   | 11.75   | 11.68   | 13.00   |
|           |            | 8       | 7         | 11.64   | 11.74   | 11.83   | 13.00   |
|           |            | 15      | 0         | 11.68   | 11.74   | 11.73   | 13.00   |
|           | 64QAM      | 1       | 0         | 11.74   | 11.76   | 11.85   | 13.00   |
|           |            | 1       | 7         | 11.90   | 11.90   | 11.77   | 13.00   |
|           |            | 1       | 14        | 11.77   | 11.71   | 11.73   | 13.00   |
|           |            | 8       | 0         | 10.99   | 11.00   | 10.98   | 12.00   |
|           |            | 8       | 4         | 10.87   | 10.91   | 10.92   | 12.00   |
|           |            | 8       | 7         | 10.71   | 10.89   | 10.90   | 12.00   |
|           |            | 15      | 0         | 10.79   | 10.83   | 10.93   | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 13.62   | 13.66   | 13.70   | 15.00   |
|           |            | 1       | 13        | 13.46   | 13.51   | 13.42   | 15.00   |
|           |            | 1       | 24        | 13.64   | 13.65   | 13.62   | 15.00   |
|           |            | 12      | 0         | 12.71   | 12.79   | 12.75   | 14.00   |
|           |            | 12      | 6         | 12.60   | 12.71   | 12.68   | 14.00   |
|           |            | 12      | 13        | 12.67   | 12.69   | 12.64   | 14.00   |
|           |            | 25      | 0         | 12.76   | 12.66   | 12.66   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.68   | 12.73   | 12.74   | 14.00   |
|           |            | 1       | 13        | 12.72   | 12.63   | 12.50   | 14.00   |
|           |            | 1       | 24        | 12.68   | 12.67   | 12.68   | 14.00   |
|           |            | 12      | 0         | 11.70   | 11.78   | 11.70   | 13.00   |
|           |            | 12      | 6         | 11.77   | 11.79   | 11.69   | 13.00   |
|           |            | 12      | 13        | 11.69   | 11.72   | 11.74   | 13.00   |
|           |            | 25      | 0         | 11.64   | 11.69   | 11.72   | 13.00   |
|           | 64QAM      | 1       | 0         | 11.77   | 11.81   | 11.86   | 13.00   |
|           |            | 1       | 13        | 11.87   | 11.95   | 11.80   | 13.00   |
|           |            | 1       | 24        | 11.81   | 11.77   | 11.74   | 13.00   |
|           |            | 12      | 0         | 10.92   | 11.00   | 10.93   | 12.00   |
|           |            | 12      | 6         | 10.89   | 10.82   | 10.88   | 12.00   |
|           |            | 12      | 13        | 10.75   | 10.82   | 10.85   | 12.00   |
|           |            | 25      | 0         | 10.83   | 10.88   | 10.85   | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 13.62   | 13.70   | 13.66   | 15.00   |
|           |            | 1       | 25        | 13.50   | 13.50   | 13.50   | 15.00   |
|           |            | 1       | 49        | 13.60   | 13.59   | 13.63   | 15.00   |



|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 12.70   | 12.79   | 12.73   | 14.00   |
|           |            | 25      | 13        | 12.62   | 12.71   | 12.69   | 14.00   |
|           |            | 25      | 25        | 12.63   | 12.76   | 12.65   | 14.00   |
|           |            | 50      | 0         | 12.81   | 12.72   | 12.62   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.69   | 12.78   | 12.74   | 14.00   |
|           |            | 1       | 25        | 12.72   | 12.54   | 12.50   | 14.00   |
|           |            | 1       | 49        | 12.68   | 12.63   | 12.69   | 14.00   |
|           |            | 25      | 0         | 11.71   | 11.81   | 11.70   | 13.00   |
|           |            | 25      | 13        | 11.80   | 11.78   | 11.63   | 13.00   |
|           |            | 25      | 25        | 11.70   | 11.73   | 11.78   | 13.00   |
|           |            | 50      | 0         | 11.65   | 11.76   | 11.67   | 13.00   |
|           |            | 1       | 0         | 11.75   | 11.74   | 11.82   | 13.00   |
|           | 64QAM      | 1       | 25        | 11.91   | 11.87   | 11.82   | 13.00   |
|           |            | 1       | 49        | 11.72   | 11.69   | 11.74   | 13.00   |
|           |            | 25      | 0         | 10.90   | 10.92   | 10.94   | 12.00   |
|           |            | 25      | 13        | 10.91   | 10.88   | 10.93   | 12.00   |
|           |            | 25      | 25        | 10.73   | 10.80   | 10.84   | 12.00   |
|           |            | 50      | 0         | 10.86   | 10.82   | 10.89   | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 13.61   | 13.68   | 13.68   | 15.00   |
|           |            | 1       | 38        | 13.46   | 13.48   | 13.50   | 15.00   |
|           |            | 1       | 74        | 13.66   | 13.65   | 13.58   | 15.00   |
|           |            | 36      | 0         | 12.71   | 12.76   | 12.76   | 14.00   |
|           |            | 36      | 18        | 12.68   | 12.68   | 12.66   | 14.00   |
|           |            | 36      | 39        | 12.60   | 12.77   | 12.66   | 14.00   |
|           |            | 75      | 0         | 12.78   | 12.74   | 12.67   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.74   | 12.70   | 12.73   | 14.00   |
|           |            | 1       | 38        | 12.70   | 12.63   | 12.52   | 14.00   |
|           |            | 1       | 74        | 12.58   | 12.65   | 12.64   | 14.00   |
|           |            | 36      | 0         | 11.67   | 11.81   | 11.67   | 13.00   |
|           |            | 36      | 18        | 11.81   | 11.81   | 11.64   | 13.00   |
|           |            | 36      | 39        | 11.70   | 11.72   | 11.81   | 13.00   |
|           |            | 75      | 0         | 11.63   | 11.67   | 11.67   | 13.00   |
|           | 64QAM      | 1       | 0         | 11.79   | 11.79   | 11.82   | 13.00   |
|           |            | 1       | 38        | 11.86   | 11.89   | 11.84   | 13.00   |
|           |            | 1       | 74        | 11.73   | 11.72   | 11.69   | 13.00   |
|           |            | 36      | 0         | 10.91   | 10.94   | 10.96   | 12.00   |
|           |            | 36      | 18        | 10.84   | 10.89   | 10.84   | 12.00   |
|           |            | 36      | 39        | 10.72   | 10.88   | 10.86   | 12.00   |
|           |            | 75      | 0         | 10.84   | 10.88   | 10.87   | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 13.56   | 13.75   | 13.66   | 15.00   |
|           |            | 1       | 50        | 13.60   | 13.58   | 13.44   | 15.00   |
|           |            | 1       | 99        | 13.59   | 13.61   | 13.62   | 15.00   |

|  |       |     |    |       |       |       |       |
|--|-------|-----|----|-------|-------|-------|-------|
|  |       | 50  | 0  | 12.73 | 12.80 | 12.72 | 14.00 |
|  |       | 50  | 25 | 12.66 | 12.74 | 12.70 | 14.00 |
|  |       | 50  | 50 | 12.67 | 12.62 | 12.63 | 14.00 |
|  |       | 100 | 0  | 12.64 | 12.61 | 12.65 | 14.00 |
|  | 16QAM | 1   | 0  | 12.60 | 12.76 | 12.68 | 14.00 |
|  |       | 1   | 50 | 12.75 | 12.57 | 12.54 | 14.00 |
|  |       | 1   | 99 | 12.68 | 12.62 | 12.70 | 14.00 |
|  |       | 50  | 0  | 11.81 | 11.72 | 11.78 | 13.00 |
|  |       | 50  | 25 | 11.81 | 11.77 | 11.64 | 13.00 |
|  |       | 50  | 50 | 11.74 | 11.69 | 11.76 | 13.00 |
|  |       | 100 | 0  | 11.73 | 11.69 | 11.71 | 13.00 |
|  | 64QAM | 1   | 0  | 11.79 | 11.79 | 11.76 | 13.00 |
|  |       | 1   | 50 | 11.81 | 11.86 | 11.71 | 13.00 |
|  |       | 1   | 99 | 11.76 | 11.75 | 11.67 | 13.00 |
|  |       | 50  | 0  | 10.88 | 10.87 | 10.92 | 12.00 |
|  |       | 50  | 25 | 10.83 | 10.92 | 10.86 | 12.00 |
|  |       | 50  | 50 | 10.76 | 10.87 | 10.84 | 12.00 |
|  |       | 100 | 0  | 10.75 | 10.85 | 10.92 | 12.00 |

| LTE Band 4 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz     | QPSK       | 1       | 0         | 15.51                | 15.55   | 15.53   | 17.00   |
|            |            | 1       | 2         | 15.44                | 15.43   | 15.45   | 17.00   |
|            |            | 1       | 5         | 15.46                | 15.41   | 15.52   | 17.00   |
|            |            | 3       | 0         | 15.40                | 15.39   | 15.49   | 17.00   |
|            |            | 3       | 2         | 15.52                | 15.38   | 15.40   | 17.00   |
|            |            | 3       | 3         | 15.50                | 15.43   | 15.42   | 17.00   |
|            |            | 6       | 0         | 14.65                | 14.54   | 14.50   | 16.00   |
|            | 16QAM      | 1       | 0         | 14.43                | 14.61   | 14.58   | 16.00   |
|            |            | 1       | 2         | 14.52                | 14.56   | 14.47   | 16.00   |
|            |            | 1       | 5         | 14.53                | 14.62   | 14.57   | 16.00   |
|            |            | 3       | 0         | 14.59                | 14.57   | 14.57   | 16.00   |
|            |            | 3       | 2         | 14.67                | 14.57   | 14.60   | 16.00   |
|            |            | 3       | 3         | 14.58                | 14.52   | 14.67   | 16.00   |
|            |            | 6       | 0         | 13.49                | 13.71   | 13.68   | 15.00   |
|            | 64QAM      | 1       | 0         | 13.58                | 13.63   | 13.75   | 15.00   |
|            |            | 1       | 2         | 13.85                | 13.68   | 13.68   | 15.00   |
|            |            | 1       | 5         | 13.63                | 13.71   | 13.74   | 15.00   |
|            |            | 3       | 0         | 13.72                | 13.64   | 13.71   | 15.00   |
|            |            | 3       | 2         | 13.65                | 13.69   | 13.63   | 15.00   |
|            |            | 3       | 3         | 13.76                | 13.56   | 13.75   | 15.00   |
|            |            | 6       | 0         | 12.66                | 12.75   | 12.83   | 14.00   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19965                | 20175   | 20385   |         |

| 3MHz      | QPSK       | 1       | 0         | 15.44   | 15.43   | 15.39   | 17.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 7         | 15.43   | 15.34   | 15.45   | 17.00   |
|           |            | 1       | 14        | 15.37   | 15.36   | 15.49   | 17.00   |
|           |            | 8       | 0         | 14.55   | 14.63   | 14.42   | 16.00   |
|           |            | 8       | 4         | 14.39   | 14.45   | 14.50   | 16.00   |
|           |            | 8       | 7         | 14.45   | 14.46   | 14.47   | 16.00   |
|           |            | 15      | 0         | 14.49   | 14.55   | 14.37   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.56   | 14.52   | 14.52   | 16.00   |
|           |            | 1       | 7         | 14.44   | 14.40   | 14.38   | 16.00   |
|           |            | 1       | 14        | 14.46   | 14.43   | 14.51   | 16.00   |
|           |            | 8       | 0         | 13.62   | 13.61   | 13.47   | 15.00   |
|           |            | 8       | 4         | 13.56   | 13.44   | 13.36   | 15.00   |
|           |            | 8       | 7         | 13.43   | 13.46   | 13.49   | 15.00   |
|           |            | 15      | 0         | 13.49   | 13.48   | 13.52   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.43   | 13.60   | 13.50   | 15.00   |
|           |            | 1       | 7         | 13.61   | 13.68   | 13.53   | 15.00   |
|           |            | 1       | 14        | 13.58   | 13.54   | 13.52   | 15.00   |
|           |            | 8       | 0         | 12.72   | 12.66   | 12.69   | 14.00   |
|           |            | 8       | 4         | 12.77   | 12.67   | 12.70   | 14.00   |
|           |            | 8       | 7         | 12.56   | 12.63   | 12.61   | 14.00   |
|           |            | 15      | 0         | 12.61   | 12.57   | 12.60   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.45   | 15.46   | 15.38   | 17.00   |
|           |            | 1       | 13        | 15.46   | 15.31   | 15.46   | 17.00   |
|           |            | 1       | 24        | 15.35   | 15.33   | 15.47   | 17.00   |
|           |            | 12      | 0         | 14.54   | 14.60   | 14.40   | 16.00   |
|           |            | 12      | 6         | 14.43   | 14.39   | 14.53   | 16.00   |
|           |            | 12      | 13        | 14.40   | 14.48   | 14.51   | 16.00   |
|           |            | 25      | 0         | 14.48   | 14.54   | 14.37   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.53   | 14.53   | 14.57   | 16.00   |
|           |            | 1       | 13        | 14.43   | 14.39   | 14.36   | 16.00   |
|           |            | 1       | 24        | 14.44   | 14.39   | 14.55   | 16.00   |
|           |            | 12      | 0         | 13.67   | 13.51   | 13.54   | 15.00   |
|           |            | 12      | 6         | 13.48   | 13.52   | 13.43   | 15.00   |
|           |            | 12      | 13        | 13.38   | 13.51   | 13.43   | 15.00   |
|           |            | 25      | 0         | 13.50   | 13.47   | 13.48   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.49   | 13.68   | 13.50   | 15.00   |
|           |            | 1       | 13        | 13.60   | 13.67   | 13.50   | 15.00   |
|           |            | 1       | 24        | 13.55   | 13.62   | 13.55   | 15.00   |
|           |            | 12      | 0         | 12.73   | 12.64   | 12.75   | 14.00   |
|           |            | 12      | 6         | 12.72   | 12.75   | 12.77   | 14.00   |
|           |            | 12      | 13        | 12.65   | 12.61   | 12.58   | 14.00   |
|           |            | 25      | 0         | 12.60   | 12.57   | 12.62   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |

| 10MHz     | QPSK       | 1       | 0         | 15.47   | 15.39   | 15.42   | 17.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 25        | 15.40   | 15.33   | 15.39   | 17.00   |
|           |            | 1       | 49        | 15.40   | 15.32   | 15.44   | 17.00   |
|           |            | 25      | 0         | 14.52   | 14.63   | 14.41   | 16.00   |
|           |            | 25      | 13        | 14.47   | 14.36   | 14.51   | 16.00   |
|           |            | 25      | 25        | 14.45   | 14.47   | 14.51   | 16.00   |
|           |            | 50      | 0         | 14.51   | 14.53   | 14.43   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.54   | 14.56   | 14.56   | 16.00   |
|           |            | 1       | 25        | 14.42   | 14.38   | 14.37   | 16.00   |
|           |            | 1       | 49        | 14.49   | 14.45   | 14.50   | 16.00   |
|           |            | 25      | 0         | 13.65   | 13.54   | 13.56   | 15.00   |
|           |            | 25      | 13        | 13.50   | 13.51   | 13.36   | 15.00   |
|           |            | 25      | 25        | 13.37   | 13.49   | 13.48   | 15.00   |
|           |            | 50      | 0         | 13.48   | 13.47   | 13.54   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.46   | 13.65   | 13.54   | 15.00   |
|           |            | 1       | 25        | 13.59   | 13.66   | 13.50   | 15.00   |
|           |            | 1       | 49        | 13.56   | 13.53   | 13.55   | 15.00   |
|           |            | 25      | 0         | 12.74   | 12.65   | 12.73   | 14.00   |
|           |            | 25      | 13        | 12.72   | 12.70   | 12.72   | 14.00   |
|           |            | 25      | 25        | 12.62   | 12.64   | 12.65   | 14.00   |
|           |            | 50      | 0         | 12.60   | 12.64   | 12.58   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.44   | 15.47   | 15.41   | 17.00   |
|           |            | 1       | 38        | 15.48   | 15.32   | 15.44   | 17.00   |
|           |            | 1       | 74        | 15.36   | 15.31   | 15.45   | 17.00   |
|           |            | 36      | 0         | 14.62   | 14.59   | 14.44   | 16.00   |
|           |            | 36      | 18        | 14.42   | 14.43   | 14.53   | 16.00   |
|           |            | 36      | 39        | 14.45   | 14.44   | 14.52   | 16.00   |
|           |            | 75      | 0         | 14.51   | 14.58   | 14.36   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.49   | 14.51   | 14.56   | 16.00   |
|           |            | 1       | 38        | 14.40   | 14.34   | 14.35   | 16.00   |
|           |            | 1       | 74        | 14.46   | 14.41   | 14.47   | 16.00   |
|           |            | 36      | 0         | 13.67   | 13.54   | 13.53   | 15.00   |
|           |            | 36      | 18        | 13.54   | 13.48   | 13.35   | 15.00   |
|           |            | 36      | 39        | 13.46   | 13.52   | 13.43   | 15.00   |
|           |            | 75      | 0         | 13.52   | 13.47   | 13.53   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.46   | 13.61   | 13.49   | 15.00   |
|           |            | 1       | 38        | 13.62   | 13.66   | 13.48   | 15.00   |
|           |            | 1       | 74        | 13.49   | 13.60   | 13.50   | 15.00   |
|           |            | 36      | 0         | 12.75   | 12.68   | 12.79   | 14.00   |
|           |            | 36      | 18        | 12.69   | 12.75   | 12.70   | 14.00   |
|           |            | 36      | 39        | 12.64   | 12.56   | 12.61   | 14.00   |
|           |            | 75      | 0         | 12.63   | 12.59   | 12.56   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |

|       |       |     |    |       |       |       |       |
|-------|-------|-----|----|-------|-------|-------|-------|
| 20MHz | QPSK  | 1   | 0  | 15.59 | 15.67 | 15.63 | 17.00 |
|       |       | 1   | 50 | 15.63 | 15.53 | 15.60 | 17.00 |
|       |       | 1   | 99 | 15.62 | 15.59 | 15.66 | 17.00 |
|       |       | 50  | 0  | 14.74 | 14.78 | 14.69 | 16.00 |
|       |       | 50  | 25 | 14.67 | 14.59 | 14.73 | 16.00 |
|       |       | 50  | 50 | 14.65 | 14.63 | 14.66 | 16.00 |
|       |       | 100 | 0  | 14.72 | 14.76 | 14.60 | 16.00 |
|       | 16QAM | 1   | 0  | 14.77 | 14.78 | 14.78 | 16.00 |
|       |       | 1   | 50 | 14.61 | 14.60 | 14.62 | 16.00 |
|       |       | 1   | 99 | 14.65 | 14.67 | 14.71 | 16.00 |
|       |       | 50  | 0  | 13.81 | 13.79 | 13.75 | 15.00 |
|       |       | 50  | 25 | 13.72 | 13.68 | 13.60 | 15.00 |
|       |       | 50  | 50 | 13.65 | 13.68 | 13.68 | 15.00 |
|       |       | 100 | 0  | 13.73 | 13.62 | 13.66 | 15.00 |
|       | 64QAM | 1   | 0  | 13.68 | 13.83 | 13.66 | 15.00 |
|       |       | 1   | 50 | 13.80 | 13.90 | 13.67 | 15.00 |
|       |       | 1   | 99 | 13.75 | 13.79 | 13.75 | 15.00 |
|       |       | 50  | 0  | 12.93 | 12.90 | 12.95 | 14.00 |
|       |       | 50  | 25 | 12.89 | 12.92 | 12.91 | 14.00 |
|       |       | 50  | 50 | 12.85 | 12.79 | 12.85 | 14.00 |
|       |       | 100 | 0  | 12.76 | 12.78 | 12.84 | 14.00 |

| LTE Band 25 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 26047                | 26365   | 26683   |         |
| 1.4MHz      | QPSK       | 1       | 0         | 14.02                | 14.12   | 14.01   | 15.00   |
|             |            | 1       | 2         | 13.86                | 13.94   | 13.96   | 15.00   |
|             |            | 1       | 5         | 13.98                | 13.96   | 13.97   | 15.00   |
|             |            | 3       | 0         | 13.93                | 14.01   | 13.93   | 15.00   |
|             |            | 3       | 2         | 13.93                | 13.85   | 13.87   | 15.00   |
|             |            | 3       | 3         | 13.92                | 13.99   | 13.95   | 15.00   |
|             |            | 6       | 0         | 13.12                | 13.10   | 13.04   | 14.00   |
|             | 16QAM      | 1       | 0         | 13.07                | 13.17   | 13.17   | 14.00   |
|             |            | 1       | 2         | 13.15                | 12.92   | 13.04   | 14.00   |
|             |            | 1       | 5         | 13.02                | 13.02   | 13.07   | 14.00   |
|             |            | 3       | 0         | 13.03                | 13.11   | 13.08   | 14.00   |
|             |            | 3       | 2         | 13.03                | 13.10   | 13.19   | 14.00   |
|             |            | 3       | 3         | 13.03                | 13.10   | 13.17   | 14.00   |
|             |            | 6       | 0         | 11.98                | 12.20   | 12.06   | 13.00   |
|             | 64QAM      | 1       | 0         | 12.04                | 12.19   | 12.18   | 13.00   |
|             |            | 1       | 2         | 12.18                | 12.34   | 12.12   | 13.00   |
|             |            | 1       | 5         | 12.15                | 12.19   | 12.13   | 13.00   |
|             |            | 3       | 0         | 12.18                | 12.14   | 12.13   | 13.00   |
|             |            | 3       | 2         | 12.20                | 12.22   | 12.05   | 13.00   |
|             |            | 3       | 3         | 12.20                | 12.16   | 12.29   | 13.00   |

|           |            | 6       | 0         | 11.20   | 11.25   | 11.26   | 12.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26055   | 26365   | 26675   |         |
| 3MHz      | QPSK       | 1       | 0         | 14.16   | 14.18   | 14.20   | 15.00   |
|           |            | 1       | 7         | 14.10   | 13.95   | 14.09   | 15.00   |
|           |            | 1       | 14        | 14.03   | 14.12   | 14.06   | 15.00   |
|           |            | 8       | 0         | 13.27   | 13.24   | 13.24   | 14.00   |
|           |            | 8       | 4         | 13.22   | 13.13   | 13.21   | 14.00   |
|           |            | 8       | 7         | 13.21   | 13.17   | 13.10   | 14.00   |
|           |            | 15      | 0         | 13.18   | 13.17   | 13.08   | 14.00   |
|           | 16QAM      | 1       | 0         | 13.10   | 13.22   | 13.25   | 14.00   |
|           |            | 1       | 7         | 13.17   | 13.03   | 12.99   | 14.00   |
|           |            | 1       | 14        | 13.18   | 13.29   | 13.10   | 14.00   |
|           |            | 8       | 0         | 12.20   | 12.39   | 12.22   | 13.00   |
|           |            | 8       | 4         | 12.25   | 12.20   | 12.07   | 13.00   |
|           |            | 8       | 7         | 12.18   | 12.17   | 12.31   | 13.00   |
|           |            | 15      | 0         | 12.16   | 12.18   | 12.29   | 13.00   |
|           | 64QAM      | 1       | 0         | 12.18   | 12.30   | 12.33   | 13.00   |
|           |            | 1       | 7         | 12.37   | 12.31   | 12.32   | 13.00   |
|           |            | 1       | 14        | 12.19   | 12.38   | 12.21   | 13.00   |
|           |            | 8       | 0         | 11.35   | 11.45   | 11.41   | 12.00   |
|           |            | 8       | 4         | 11.41   | 11.41   | 11.38   | 12.00   |
|           |            | 8       | 7         | 11.29   | 11.35   | 11.40   | 12.00   |
|           |            | 15      | 0         | 11.26   | 11.26   | 11.32   | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26065   | 26365   | 26665   |         |
| 5MHz      | QPSK       | 1       | 0         | 14.13   | 14.21   | 14.19   | 15.00   |
|           |            | 1       | 13        | 14.06   | 13.97   | 14.07   | 15.00   |
|           |            | 1       | 24        | 14.10   | 14.12   | 14.10   | 15.00   |
|           |            | 12      | 0         | 13.29   | 13.20   | 13.22   | 14.00   |
|           |            | 12      | 6         | 13.17   | 13.09   | 13.25   | 14.00   |
|           |            | 12      | 13        | 13.12   | 13.22   | 13.19   | 14.00   |
|           |            | 25      | 0         | 13.20   | 13.14   | 13.10   | 14.00   |
|           | 16QAM      | 1       | 0         | 13.20   | 13.19   | 13.22   | 14.00   |
|           |            | 1       | 13        | 13.19   | 13.09   | 13.00   | 14.00   |
|           |            | 1       | 24        | 13.16   | 13.22   | 13.10   | 14.00   |
|           |            | 12      | 0         | 12.22   | 12.37   | 12.30   | 13.00   |
|           |            | 12      | 6         | 12.21   | 12.22   | 12.16   | 13.00   |
|           |            | 12      | 13        | 12.17   | 12.19   | 12.27   | 13.00   |
|           |            | 25      | 0         | 12.14   | 12.09   | 12.24   | 13.00   |
|           | 64QAM      | 1       | 0         | 12.20   | 12.33   | 12.33   | 13.00   |
|           |            | 1       | 13        | 12.33   | 12.29   | 12.26   | 13.00   |
|           |            | 1       | 24        | 12.22   | 12.37   | 12.23   | 13.00   |
|           |            | 12      | 0         | 11.34   | 11.44   | 11.39   | 12.00   |
|           |            | 12      | 6         | 11.38   | 11.45   | 11.41   | 12.00   |
|           |            | 12      | 13        | 11.37   | 11.35   | 11.37   | 12.00   |

|           |            | 25      | 0         | 11.28   | 11.28   | 11.26   | 12.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.12   | 14.18   | 14.20   | 15.00   |
|           |            | 1       | 25        | 14.12   | 13.91   | 14.07   | 15.00   |
|           |            | 1       | 49        | 14.07   | 14.19   | 14.07   | 15.00   |
|           |            | 25      | 0         | 13.29   | 13.16   | 13.25   | 14.00   |
|           |            | 25      | 13        | 13.18   | 13.06   | 13.18   | 14.00   |
|           |            | 25      | 25        | 13.15   | 13.20   | 13.19   | 14.00   |
|           |            | 50      | 0         | 13.14   | 13.11   | 13.11   | 14.00   |
|           | 16QAM      | 1       | 0         | 13.17   | 13.23   | 13.23   | 14.00   |
|           |            | 1       | 25        | 13.19   | 13.06   | 13.05   | 14.00   |
|           |            | 1       | 49        | 13.15   | 13.25   | 13.15   | 14.00   |
|           |            | 25      | 0         | 12.17   | 12.33   | 12.28   | 13.00   |
|           |            | 25      | 13        | 12.27   | 12.25   | 12.17   | 13.00   |
|           |            | 25      | 25        | 12.20   | 12.19   | 12.34   | 13.00   |
|           |            | 50      | 0         | 12.21   | 12.12   | 12.23   | 13.00   |
|           | 64QAM      | 1       | 0         | 12.13   | 12.27   | 12.28   | 13.00   |
|           |            | 1       | 25        | 12.36   | 12.37   | 12.30   | 13.00   |
|           |            | 1       | 49        | 12.23   | 12.30   | 12.19   | 13.00   |
|           |            | 25      | 0         | 11.40   | 11.44   | 11.39   | 12.00   |
|           |            | 25      | 13        | 11.34   | 11.44   | 11.45   | 12.00   |
|           |            | 25      | 25        | 11.32   | 11.41   | 11.39   | 12.00   |
|           |            | 50      | 0         | 11.22   | 11.26   | 11.34   | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.16   | 14.19   | 14.18   | 15.00   |
|           |            | 1       | 38        | 14.10   | 13.96   | 14.07   | 15.00   |
|           |            | 1       | 74        | 14.02   | 14.15   | 14.14   | 15.00   |
|           |            | 36      | 0         | 13.24   | 13.23   | 13.22   | 14.00   |
|           |            | 36      | 18        | 13.22   | 13.11   | 13.16   | 14.00   |
|           |            | 36      | 39        | 13.20   | 13.18   | 13.13   | 14.00   |
|           |            | 75      | 0         | 13.19   | 13.18   | 13.08   | 14.00   |
|           | 16QAM      | 1       | 0         | 13.12   | 13.24   | 13.22   | 14.00   |
|           |            | 1       | 38        | 13.16   | 13.06   | 12.99   | 14.00   |
|           |            | 1       | 74        | 13.10   | 13.29   | 13.09   | 14.00   |
|           |            | 36      | 0         | 12.23   | 12.32   | 12.21   | 13.00   |
|           |            | 36      | 18        | 12.28   | 12.20   | 12.15   | 13.00   |
|           |            | 36      | 39        | 12.15   | 12.19   | 12.30   | 13.00   |
|           |            | 75      | 0         | 12.19   | 12.17   | 12.30   | 13.00   |
|           | 64QAM      | 1       | 0         | 12.15   | 12.24   | 12.33   | 13.00   |
|           |            | 1       | 38        | 12.33   | 12.32   | 12.25   | 13.00   |
|           |            | 1       | 74        | 12.18   | 12.33   | 12.28   | 13.00   |
|           |            | 36      | 0         | 11.36   | 11.40   | 11.44   | 12.00   |
|           |            | 36      | 18        | 11.41   | 11.46   | 11.43   | 12.00   |
|           |            | 36      | 39        | 11.32   | 11.32   | 11.42   | 12.00   |

|           |            | 75      | 0         | 11.29   | 11.27   | 11.29   | 12.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26140   | 26365   | 26590   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.16   | 14.27   | 14.24   | 15.00   |
|           |            | 1       | 50        | 14.11   | 14.01   | 14.02   | 15.00   |
|           |            | 1       | 99        | 14.12   | 14.12   | 14.02   | 15.00   |
|           |            | 50      | 0         | 13.31   | 13.32   | 13.31   | 14.00   |
|           |            | 50      | 25        | 13.22   | 13.14   | 13.20   | 14.00   |
|           |            | 50      | 50        | 13.05   | 13.14   | 13.19   | 14.00   |
|           |            | 100     | 0         | 13.19   | 13.23   | 13.17   | 14.00   |
|           | 16QAM      | 1       | 0         | 13.15   | 13.24   | 13.36   | 14.00   |
|           |            | 1       | 50        | 13.19   | 13.07   | 13.12   | 14.00   |
|           |            | 1       | 99        | 13.10   | 13.18   | 13.15   | 14.00   |
|           |            | 50      | 0         | 12.26   | 12.30   | 12.21   | 13.00   |
|           |            | 50      | 25        | 12.33   | 12.26   | 12.06   | 13.00   |
|           |            | 50      | 50        | 12.14   | 12.20   | 12.24   | 13.00   |
|           |            | 100     | 0         | 12.11   | 12.20   | 12.21   | 13.00   |
|           | 64QAM      | 1       | 0         | 12.17   | 12.29   | 12.41   | 13.00   |
|           |            | 1       | 50        | 12.40   | 12.37   | 12.38   | 13.00   |
|           |            | 1       | 99        | 12.25   | 12.31   | 12.31   | 13.00   |
|           |            | 50      | 0         | 11.44   | 11.51   | 11.42   | 12.00   |
|           |            | 50      | 25        | 11.41   | 11.43   | 11.36   | 12.00   |
|           |            | 50      | 50        | 11.32   | 11.32   | 11.42   | 12.00   |
|           |            | 100     | 0         | 11.24   | 11.32   | 11.32   | 12.00   |

| LTE Band 30 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 27685                | 27710   | 27735   |         |
| 5MHz        | QPSK       | 1       | 0         | 11.44                | 11.48   | 11.45   | 13.00   |
|             |            | 1       | 13        | 11.41                | 11.34   | 11.41   | 13.00   |
|             |            | 1       | 24        | 11.47                | 11.35   | 11.30   | 13.00   |
|             |            | 12      | 0         | 10.62                | 10.62   | 10.58   | 12.00   |
|             |            | 12      | 6         | 10.38                | 10.42   | 10.40   | 12.00   |
|             |            | 12      | 13        | 10.47                | 10.53   | 10.40   | 12.00   |
|             |            | 25      | 0         | 10.46                | 10.46   | 10.51   | 12.00   |
|             | 16QAM      | 1       | 0         | 10.52                | 10.60   | 10.52   | 12.00   |
|             |            | 1       | 13        | 10.53                | 10.44   | 10.36   | 12.00   |
|             |            | 1       | 24        | 10.51                | 10.52   | 10.41   | 12.00   |
|             |            | 12      | 0         | 9.52                 | 9.66    | 9.52    | 11.00   |
|             |            | 12      | 6         | 9.48                 | 9.58    | 9.47    | 11.00   |
|             |            | 12      | 13        | 9.46                 | 9.45    | 9.51    | 11.00   |
|             |            | 25      | 0         | 9.41                 | 9.52    | 9.51    | 11.00   |
|             | 64QAM      | 1       | 0         | 9.45                 | 9.65    | 9.63    | 11.00   |
|             |            | 1       | 13        | 9.56                 | 9.67    | 9.63    | 11.00   |
|             |            | 1       | 24        | 9.54                 | 9.57    | 9.54    | 11.00   |



|           |            | 12      | 0         | 8.69    | 8.69    | 8.71    | 10.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 8.80    | 8.72    | 8.70    | 10.00   |
|           |            | 12      | 13        | 8.59    | 8.64    | 8.66    | 10.00   |
|           |            | 25      | 0         | 8.58    | 8.58    | 8.69    | 10.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 27710   | /       |         |
| 10MHz     | QPSK       | 1       | 0         | /       | 11.71   | /       | 13.00   |
|           |            | 1       | 25        | /       | 11.52   | /       | 13.00   |
|           |            | 1       | 49        | /       | 11.68   | /       | 13.00   |
|           |            | 25      | 0         | /       | 10.80   | /       | 12.00   |
|           |            | 25      | 13        | /       | 10.69   | /       | 12.00   |
|           |            | 25      | 25        | /       | 10.63   | /       | 12.00   |
|           |            | 50      | 0         | /       | 10.70   | /       | 12.00   |
|           | 16QAM      | 1       | 0         | /       | 10.72   | /       | 12.00   |
|           |            | 1       | 25        | /       | 10.64   | /       | 12.00   |
|           |            | 1       | 49        | /       | 10.75   | /       | 12.00   |
|           |            | 25      | 0         | /       | 9.76    | /       | 11.00   |
|           |            | 25      | 13        | /       | 9.75    | /       | 11.00   |
|           |            | 25      | 25        | /       | 9.63    | /       | 11.00   |
|           |            | 50      | 0         | /       | 9.63    | /       | 11.00   |
|           | 64QAM      | 1       | 0         | /       | 9.76    | /       | 11.00   |
|           |            | 1       | 25        | /       | 9.90    | /       | 11.00   |
|           |            | 1       | 49        | /       | 9.82    | /       | 11.00   |
|           |            | 25      | 0         | /       | 8.97    | /       | 10.00   |
|           |            | 25      | 13        | /       | 8.96    | /       | 10.00   |
|           |            | 25      | 25        | /       | 8.72    | /       | 10.00   |
|           |            | 50      | 0         | /       | 8.90    | /       | 10.00   |

| LTE Band 66 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 131979               | 132322  | 132665  |         |
| 1.4MHz      | QPSK       | 1       | 0         | 15.68                | 15.59   | 15.63   | 17.00   |
|             |            | 1       | 2         | 15.52                | 15.47   | 15.49   | 17.00   |
|             |            | 1       | 5         | 15.57                | 15.64   | 15.57   | 17.00   |
|             |            | 3       | 0         | 15.49                | 15.56   | 15.50   | 17.00   |
|             |            | 3       | 1         | 15.58                | 15.51   | 15.37   | 17.00   |
|             |            | 3       | 3         | 15.45                | 15.45   | 15.57   | 17.00   |
|             |            | 6       | 0         | 14.78                | 14.75   | 14.73   | 16.00   |
|             | 16QAM      | 1       | 0         | 14.63                | 14.61   | 14.76   | 16.00   |
|             |            | 1       | 2         | 14.62                | 14.70   | 14.64   | 16.00   |
|             |            | 1       | 5         | 14.72                | 14.61   | 14.62   | 16.00   |
|             |            | 3       | 0         | 14.68                | 14.74   | 14.66   | 16.00   |
|             |            | 3       | 1         | 14.76                | 14.67   | 14.72   | 16.00   |
|             |            | 3       | 3         | 14.74                | 14.70   | 14.78   | 16.00   |
|             |            | 6       | 0         | 13.67                | 13.72   | 13.71   | 15.00   |

|           |            | 1       | 0         | 13.80   | 13.89   | 13.75   | 15.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 2         | 13.91   | 13.83   | 13.82   | 15.00   |
|           |            | 1       | 5         | 13.79   | 13.89   | 13.77   | 15.00   |
|           |            | 3       | 0         | 13.71   | 13.82   | 13.72   | 15.00   |
|           |            | 3       | 1         | 13.72   | 13.86   | 13.73   | 15.00   |
|           |            | 3       | 3         | 13.69   | 13.79   | 13.76   | 15.00   |
|           |            | 6       | 0         | 12.84   | 12.80   | 12.83   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131987  | 132322  | 132657  |         |
| 3MHz      | QPSK       | 1       | 0         | 15.67   | 15.72   | 15.66   | 17.00   |
|           |            | 1       | 7         | 15.53   | 15.57   | 15.55   | 17.00   |
|           |            | 1       | 14        | 15.58   | 15.58   | 15.59   | 17.00   |
|           |            | 8       | 0         | 14.81   | 14.88   | 14.61   | 16.00   |
|           |            | 8       | 4         | 14.56   | 14.64   | 14.80   | 16.00   |
|           |            | 8       | 7         | 14.51   | 14.63   | 14.71   | 16.00   |
|           |            | 15      | 0         | 14.63   | 14.69   | 14.62   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.69   | 14.67   | 14.66   | 16.00   |
|           |            | 1       | 7         | 14.69   | 14.76   | 14.63   | 16.00   |
|           |            | 1       | 14        | 14.66   | 14.64   | 14.73   | 16.00   |
|           |            | 8       | 0         | 13.72   | 13.83   | 13.78   | 15.00   |
|           |            | 8       | 4         | 13.72   | 13.75   | 13.63   | 15.00   |
|           |            | 8       | 7         | 13.71   | 13.63   | 13.72   | 15.00   |
|           |            | 15      | 0         | 13.69   | 13.72   | 13.71   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.84   | 13.69   | 13.72   | 15.00   |
|           |            | 1       | 7         | 13.84   | 13.80   | 13.77   | 15.00   |
|           |            | 1       | 14        | 13.72   | 13.70   | 13.81   | 15.00   |
|           |            | 8       | 0         | 12.88   | 12.90   | 12.88   | 14.00   |
|           |            | 8       | 4         | 12.95   | 12.94   | 12.99   | 14.00   |
|           |            | 8       | 7         | 12.77   | 12.85   | 12.91   | 14.00   |
|           |            | 15      | 0         | 12.79   | 12.89   | 12.77   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131997  | 132322  | 132647  |         |
| 5MHz      | QPSK       | 1       | 0         | 15.67   | 15.66   | 15.69   | 17.00   |
|           |            | 1       | 13        | 15.46   | 15.52   | 15.47   | 17.00   |
|           |            | 1       | 24        | 15.66   | 15.54   | 15.65   | 17.00   |
|           |            | 12      | 0         | 14.74   | 14.79   | 14.69   | 16.00   |
|           |            | 12      | 6         | 14.58   | 14.62   | 14.77   | 16.00   |
|           |            | 12      | 13        | 14.56   | 14.64   | 14.72   | 16.00   |
|           |            | 25      | 0         | 14.62   | 14.72   | 14.63   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.64   | 14.73   | 14.66   | 16.00   |
|           |            | 1       | 13        | 14.73   | 14.71   | 14.59   | 16.00   |
|           |            | 1       | 24        | 14.75   | 14.57   | 14.76   | 16.00   |
|           |            | 12      | 0         | 13.78   | 13.77   | 13.70   | 15.00   |
|           |            | 12      | 6         | 13.73   | 13.73   | 13.68   | 15.00   |
|           |            | 12      | 13        | 13.67   | 13.60   | 13.71   | 15.00   |
|           |            | 25      | 0         | 13.66   | 13.71   | 13.73   | 15.00   |

|           |            | 1       | 0         | 13.83   | 13.67   | 13.69   | 15.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 13        | 13.79   | 13.79   | 13.77   | 15.00   |
|           |            | 1       | 24        | 13.75   | 13.75   | 13.83   | 15.00   |
|           | 64QAM      | 12      | 0         | 12.86   | 12.85   | 12.91   | 14.00   |
|           |            | 12      | 6         | 12.89   | 12.94   | 13.01   | 14.00   |
|           |            | 12      | 13        | 12.76   | 12.92   | 12.91   | 14.00   |
|           |            | 25      | 0         | 12.73   | 12.82   | 12.83   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132022  | 132322  | 132622  |         |
| 10MHz     | QPSK       | 1       | 0         | 15.57   | 15.73   | 15.67   | 17.00   |
|           |            | 1       | 25        | 15.44   | 15.58   | 15.52   | 17.00   |
|           |            | 1       | 49        | 15.59   | 15.56   | 15.63   | 17.00   |
|           |            | 25      | 0         | 14.74   | 14.81   | 14.62   | 16.00   |
|           |            | 25      | 13        | 14.55   | 14.67   | 14.79   | 16.00   |
|           |            | 25      | 25        | 14.51   | 14.64   | 14.64   | 16.00   |
|           |            | 50      | 0         | 14.67   | 14.70   | 14.60   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.71   | 14.70   | 14.69   | 16.00   |
|           |            | 1       | 25        | 14.67   | 14.73   | 14.65   | 16.00   |
|           |            | 1       | 49        | 14.71   | 14.59   | 14.74   | 16.00   |
|           |            | 25      | 0         | 13.74   | 13.78   | 13.75   | 15.00   |
|           |            | 25      | 13        | 13.74   | 13.74   | 13.62   | 15.00   |
|           |            | 25      | 25        | 13.68   | 13.66   | 13.76   | 15.00   |
|           |            | 50      | 0         | 13.65   | 13.70   | 13.67   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.79   | 13.68   | 13.78   | 15.00   |
|           |            | 1       | 25        | 13.81   | 13.76   | 13.79   | 15.00   |
|           |            | 1       | 49        | 13.71   | 13.68   | 13.78   | 15.00   |
|           |            | 25      | 0         | 12.83   | 12.84   | 12.90   | 14.00   |
|           |            | 25      | 13        | 12.97   | 12.95   | 12.96   | 14.00   |
|           |            | 25      | 25        | 12.78   | 12.90   | 12.96   | 14.00   |
|           |            | 50      | 0         | 12.72   | 12.89   | 12.82   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132047  | 132322  | 132597  |         |
| 15MHz     | QPSK       | 1       | 0         | 15.61   | 15.70   | 15.62   | 17.00   |
|           |            | 1       | 38        | 15.48   | 15.58   | 15.52   | 17.00   |
|           |            | 1       | 74        | 15.62   | 15.61   | 15.66   | 17.00   |
|           |            | 36      | 0         | 14.79   | 14.86   | 14.62   | 16.00   |
|           |            | 36      | 18        | 14.63   | 14.65   | 14.76   | 16.00   |
|           |            | 36      | 39        | 14.54   | 14.70   | 14.72   | 16.00   |
|           |            | 75      | 0         | 14.66   | 14.70   | 14.64   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.67   | 14.65   | 14.69   | 16.00   |
|           |            | 1       | 38        | 14.65   | 14.72   | 14.63   | 16.00   |
|           |            | 1       | 74        | 14.68   | 14.60   | 14.75   | 16.00   |
|           |            | 36      | 0         | 13.73   | 13.80   | 13.76   | 15.00   |
|           |            | 36      | 18        | 13.72   | 13.72   | 13.67   | 15.00   |
|           |            | 36      | 39        | 13.68   | 13.59   | 13.76   | 15.00   |
|           |            | 75      | 0         | 13.64   | 13.71   | 13.71   | 15.00   |

|           |            | 1       | 0         | 13.76   | 13.73   | 13.72   | 15.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 38        | 13.79   | 13.77   | 13.73   | 15.00   |
|           |            | 1       | 74        | 13.71   | 13.74   | 13.78   | 15.00   |
|           | 64QAM      | 36      | 0         | 12.82   | 12.90   | 12.89   | 14.00   |
|           |            | 36      | 18        | 12.97   | 12.97   | 12.96   | 14.00   |
|           |            | 36      | 39        | 12.75   | 12.91   | 12.88   | 14.00   |
|           |            | 75      | 0         | 12.78   | 12.85   | 12.75   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132072  | 132322  | 132572  |         |
| 20MHz     | QPSK       | 1       | 0         | 15.59   | 15.79   | 15.71   | 17.00   |
|           |            | 1       | 50        | 15.50   | 15.51   | 15.53   | 17.00   |
|           |            | 1       | 99        | 15.59   | 15.60   | 15.64   | 17.00   |
|           |            | 50      | 0         | 14.72   | 14.88   | 14.69   | 16.00   |
|           |            | 50      | 25        | 14.66   | 14.70   | 14.65   | 16.00   |
|           |            | 50      | 50        | 14.57   | 14.59   | 14.69   | 16.00   |
|           |            | 100     | 0         | 14.73   | 14.79   | 14.58   | 16.00   |
|           | 16QAM      | 1       | 0         | 14.67   | 14.64   | 14.74   | 16.00   |
|           |            | 1       | 50        | 14.59   | 14.66   | 14.63   | 16.00   |
|           |            | 1       | 99        | 14.66   | 14.60   | 14.62   | 16.00   |
|           |            | 50      | 0         | 13.68   | 13.75   | 13.79   | 15.00   |
|           |            | 50      | 25        | 13.81   | 13.63   | 13.70   | 15.00   |
|           |            | 50      | 50        | 13.74   | 13.62   | 13.72   | 15.00   |
|           |            | 100     | 0         | 13.68   | 13.80   | 13.76   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.83   | 13.71   | 13.75   | 15.00   |
|           |            | 1       | 50        | 13.84   | 13.75   | 13.79   | 15.00   |
|           |            | 1       | 99        | 13.70   | 13.79   | 13.69   | 15.00   |
|           |            | 50      | 0         | 12.93   | 12.96   | 12.87   | 14.00   |
|           |            | 50      | 25        | 12.93   | 12.88   | 12.92   | 14.00   |
|           |            | 50      | 50        | 12.77   | 12.87   | 12.96   | 14.00   |
|           |            | 100     | 0         | 12.86   | 12.82   | 12.85   | 14.00   |

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

#### 3.1 Conducted Power of LTE

| LTE Band 48 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 55265                | 55990   | 56715   |         |
| 5MHz        | QPSK       | 1       | 0         | 16.60                | 16.80   | 16.65   | 18.00   |
|             |            | 1       | 13        | 16.74                | 16.64   | 16.59   | 18.00   |
|             |            | 1       | 24        | 16.70                | 16.77   | 16.75   | 18.00   |
|             |            | 12      | 0         | 15.85                | 15.86   | 15.71   | 17.00   |
|             |            | 12      | 6         | 15.75                | 15.72   | 15.74   | 17.00   |
|             |            | 12      | 13        | 15.67                | 15.75   | 15.74   | 17.00   |
|             |            | 25      | 0         | 15.84                | 15.78   | 15.76   | 17.00   |
|             | 16QAM      | 1       | 0         | 15.78                | 15.71   | 15.88   | 17.00   |
|             |            | 1       | 13        | 15.73                | 15.72   | 15.81   | 17.00   |
|             |            | 1       | 24        | 15.91                | 15.84   | 15.69   | 17.00   |
|             |            | 12      | 0         | 14.72                | 14.93   | 14.84   | 16.00   |
|             |            | 12      | 6         | 14.87                | 14.92   | 14.84   | 16.00   |
|             |            | 12      | 13        | 14.76                | 14.79   | 14.85   | 16.00   |
|             |            | 25      | 0         | 14.70                | 14.70   | 14.80   | 16.00   |
|             | 64QAM      | 1       | 0         | 14.81                | 14.79   | 14.92   | 16.00   |
|             |            | 1       | 13        | 14.95                | 15.05   | 15.03   | 16.00   |
|             |            | 1       | 24        | 14.93                | 14.89   | 14.97   | 16.00   |
|             |            | 12      | 0         | 14.05                | 14.11   | 14.00   | 15.00   |
|             |            | 12      | 6         | 13.88                | 13.98   | 14.11   | 15.00   |
|             |            | 12      | 13        | 13.88                | 13.92   | 13.98   | 15.00   |
|             |            | 25      | 0         | 13.94                | 14.00   | 13.94   | 15.00   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 55290                | 55990   | 56690   |         |
| 10MHz       | QPSK       | 1       | 0         | 16.61                | 16.82   | 16.73   | 18.00   |
|             |            | 1       | 25        | 16.80                | 16.62   | 16.63   | 18.00   |
|             |            | 1       | 49        | 16.61                | 16.72   | 16.68   | 18.00   |
|             |            | 25      | 0         | 15.85                | 15.81   | 15.71   | 17.00   |
|             |            | 25      | 13        | 15.81                | 15.76   | 15.72   | 17.00   |
|             |            | 25      | 25        | 15.74                | 15.79   | 15.66   | 17.00   |
|             |            | 50      | 0         | 15.84                | 15.80   | 15.72   | 17.00   |
|             | 16QAM      | 1       | 0         | 15.86                | 15.70   | 15.87   | 17.00   |
|             |            | 1       | 25        | 15.79                | 15.68   | 15.80   | 17.00   |
|             |            | 1       | 49        | 15.82                | 15.81   | 15.75   | 17.00   |
|             |            | 25      | 0         | 14.71                | 14.96   | 14.83   | 16.00   |
|             |            | 25      | 13        | 14.94                | 14.84   | 14.88   | 16.00   |
|             |            | 25      | 25        | 14.68                | 14.86   | 14.90   | 16.00   |
|             |            | 50      | 0         | 14.70                | 14.72   | 14.88   | 16.00   |
|             | 64QAM      | 1       | 0         | 14.84                | 14.81   | 14.94   | 16.00   |
|             |            | 1       | 25        | 14.91                | 15.01   | 14.97   | 16.00   |
|             |            | 1       | 49        | 14.94                | 14.88   | 14.95   | 16.00   |

|           |            | 25      | 0         | 13.99   | 14.04   | 13.96   | 15.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 13.93   | 14.02   | 14.18   | 15.00   |
|           |            | 25      | 25        | 13.86   | 13.99   | 13.94   | 15.00   |
|           |            | 50      | 0         | 13.85   | 13.94   | 13.87   | 15.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 55315   | 55990   | 56665   |         |
| 15MHz     | QPSK       | 1       | 0         | 16.67   | 16.84   | 16.66   | 18.00   |
|           |            | 1       | 38        | 16.82   | 16.63   | 16.67   | 18.00   |
|           |            | 1       | 74        | 16.67   | 16.75   | 16.75   | 18.00   |
|           |            | 36      | 0         | 15.85   | 15.82   | 15.70   | 17.00   |
|           |            | 36      | 18        | 15.78   | 15.77   | 15.75   | 17.00   |
|           |            | 36      | 39        | 15.66   | 15.80   | 15.66   | 17.00   |
|           |            | 75      | 0         | 15.77   | 15.83   | 15.77   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.84   | 15.76   | 15.93   | 17.00   |
|           |            | 1       | 38        | 15.74   | 15.75   | 15.82   | 17.00   |
|           |            | 1       | 74        | 15.85   | 15.80   | 15.69   | 17.00   |
|           |            | 36      | 0         | 14.75   | 14.96   | 14.81   | 16.00   |
|           |            | 36      | 18        | 14.88   | 14.91   | 14.86   | 16.00   |
|           |            | 36      | 39        | 14.73   | 14.80   | 14.90   | 16.00   |
|           |            | 75      | 0         | 14.80   | 14.72   | 14.81   | 16.00   |
|           | 64QAM      | 1       | 0         | 14.80   | 14.81   | 14.98   | 16.00   |
|           |            | 1       | 38        | 14.95   | 15.06   | 14.96   | 16.00   |
|           |            | 1       | 74        | 14.86   | 14.96   | 14.94   | 16.00   |
|           |            | 36      | 0         | 14.05   | 14.09   | 14.00   | 15.00   |
|           |            | 36      | 18        | 13.96   | 14.00   | 14.14   | 15.00   |
|           |            | 36      | 39        | 13.93   | 13.97   | 14.00   | 15.00   |
|           |            | 75      | 0         | 13.94   | 13.96   | 13.95   | 15.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 55340   | 55990   | 56640   |         |
| 20MHz     | QPSK       | 1       | 0         | 16.83   | 16.98   | 16.95   | 18.00   |
|           |            | 1       | 50        | 16.91   | 16.83   | 16.74   | 18.00   |
|           |            | 1       | 99        | 16.85   | 16.85   | 16.79   | 18.00   |
|           |            | 50      | 0         | 16.06   | 16.07   | 15.96   | 17.00   |
|           |            | 50      | 25        | 15.91   | 15.92   | 15.97   | 17.00   |
|           |            | 50      | 50        | 15.89   | 15.92   | 15.91   | 17.00   |
|           |            | 100     | 0         | 15.99   | 16.06   | 15.85   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.99   | 16.01   | 16.12   | 17.00   |
|           |            | 1       | 50        | 15.92   | 15.96   | 16.02   | 17.00   |
|           |            | 1       | 99        | 16.04   | 15.99   | 15.93   | 17.00   |
|           |            | 50      | 0         | 15.07   | 15.12   | 15.04   | 16.00   |
|           |            | 50      | 25        | 15.03   | 15.05   | 14.98   | 16.00   |
|           |            | 50      | 50        | 14.89   | 14.98   | 14.96   | 16.00   |
|           |            | 100     | 0         | 15.01   | 14.93   | 14.96   | 16.00   |
|           | 64QAM      | 1       | 0         | 15.00   | 14.98   | 15.15   | 16.00   |
|           |            | 1       | 50        | 15.09   | 15.24   | 15.20   | 16.00   |
|           |            | 1       | 99        | 15.13   | 14.98   | 15.04   | 16.00   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 50  | 0  | 14.18 | 14.30 | 14.16 | 15.00 |
|  |  | 50  | 25 | 14.23 | 14.22 | 14.28 | 15.00 |
|  |  | 50  | 50 | 14.11 | 14.23 | 14.15 | 15.00 |
|  |  | 100 | 0  | 14.10 | 14.22 | 14.07 | 15.00 |

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## 4 Conducted Power of Main Antenna(Ant4)

### 4.1 Conducted Power of LTE

| LTE Band 41 PC3 |            |         |           | 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         | 22.52                | 22.49   | 23.04   | 23.14   | 23.00   | 24.00   |
|                 |            | 1       | 13        | 22.31                | 22.27   | 22.93   | 22.85   | 22.89   | 24.00   |
|                 |            | 1       | 24        | 22.35                | 22.35   | 23.00   | 22.94   | 23.00   | 24.00   |
|                 |            | 12      | 0         | 21.53                | 21.50   | 22.08   | 22.14   | 22.12   | 23.00   |
|                 |            | 12      | 6         | 21.47                | 21.45   | 22.14   | 21.99   | 22.00   | 23.00   |
|                 |            | 12      | 13        | 21.50                | 21.47   | 22.01   | 22.06   | 22.08   | 23.00   |
|                 |            | 25      | 0         | 21.45                | 21.50   | 22.07   | 22.06   | 22.05   | 23.00   |
|                 | 16QAM      | 1       | 0         | 21.53                | 21.58   | 22.08   | 22.15   | 22.16   | 23.00   |
|                 |            | 1       | 13        | 21.49                | 21.47   | 22.10   | 22.13   | 22.08   | 23.00   |
|                 |            | 1       | 24        | 21.44                | 21.48   | 22.08   | 22.16   | 22.07   | 23.00   |
|                 |            | 12      | 0         | 20.69                | 20.57   | 21.06   | 21.16   | 21.19   | 22.00   |
|                 |            | 12      | 6         | 20.55                | 20.42   | 21.15   | 21.16   | 21.06   | 22.00   |
|                 |            | 12      | 13        | 20.61                | 20.53   | 21.07   | 21.19   | 21.16   | 22.00   |
|                 |            | 25      | 0         | 20.50                | 20.58   | 21.02   | 21.12   | 21.11   | 22.00   |
|                 | 64QAM      | 1       | 0         | 20.51                | 20.60   | 21.17   | 21.15   | 21.18   | 22.00   |
|                 |            | 1       | 13        | 20.67                | 20.65   | 21.26   | 21.35   | 21.30   | 22.00   |
|                 |            | 1       | 24        | 20.69                | 20.59   | 21.14   | 21.21   | 21.24   | 22.00   |
|                 |            | 12      | 0         | 19.70                | 19.69   | 20.32   | 20.34   | 20.28   | 21.00   |
|                 |            | 12      | 6         | 19.75                | 19.71   | 20.37   | 20.37   | 20.32   | 21.00   |
|                 |            | 12      | 13        | 19.64                | 19.66   | 20.17   | 20.28   | 20.34   | 21.00   |
|                 |            | 25      | 0         | 19.62                | 19.56   | 20.17   | 20.29   | 20.26   | 21.00   |
| Bandwidth       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                 |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz           | QPSK       | 1       | 0         | 22.49                | 22.45   | 23.00   | 23.13   | 22.97   | 24.00   |
|                 |            | 1       | 25        | 22.25                | 22.33   | 22.96   | 22.84   | 22.88   | 24.00   |
|                 |            | 1       | 49        | 22.31                | 22.41   | 22.90   | 22.96   | 23.06   | 24.00   |
|                 |            | 25      | 0         | 21.50                | 21.54   | 22.10   | 22.12   | 22.17   | 23.00   |
|                 |            | 25      | 13        | 21.41                | 21.47   | 22.14   | 22.02   | 22.09   | 23.00   |
|                 |            | 25      | 25        | 21.50                | 21.48   | 22.04   | 22.06   | 21.99   | 23.00   |
|                 |            | 50      | 0         | 21.48                | 21.51   | 22.07   | 22.10   | 22.02   | 23.00   |
|                 | 16QAM      | 1       | 0         | 21.47                | 21.62   | 22.09   | 22.09   | 22.17   | 23.00   |
|                 |            | 1       | 25        | 21.46                | 21.46   | 22.14   | 22.06   | 22.06   | 23.00   |
|                 |            | 1       | 49        | 21.48                | 21.50   | 22.07   | 22.09   | 22.03   | 23.00   |
|                 |            | 25      | 0         | 20.59                | 20.53   | 21.12   | 21.12   | 21.17   | 22.00   |
|                 |            | 25      | 13        | 20.46                | 20.44   | 21.19   | 21.20   | 21.03   | 22.00   |
|                 |            | 25      | 25        | 20.62                | 20.50   | 21.07   | 21.11   | 21.07   | 22.00   |
|                 |            | 50      | 0         | 20.51                | 20.58   | 21.07   | 21.11   | 21.08   | 22.00   |
|                 | 64QAM      | 1       | 0         | 20.48                | 20.62   | 21.15   | 21.20   | 21.24   | 22.00   |
|                 |            | 1       | 25        | 20.69                | 20.58   | 21.26   | 21.33   | 21.26   | 22.00   |
|                 |            | 1       | 49        | 20.65                | 20.62   | 21.18   | 21.26   | 21.17   | 22.00   |



|           |            | 25      | 0         | 19.71   | 19.74   | 20.25   | 20.34   | 20.29   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 25      | 13        | 19.76   | 19.80   | 20.33   | 20.44   | 20.41   | 21.00   |
|           |            | 25      | 25        | 19.62   | 19.64   | 20.22   | 20.24   | 20.28   | 21.00   |
|           |            | 50      | 0         | 19.65   | 19.58   | 20.22   | 20.24   | 20.19   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 22.48   | 22.47   | 22.94   | 23.14   | 23.01   | 24.00   |
|           |            | 1       | 38        | 22.28   | 22.34   | 23.01   | 22.89   | 22.96   | 24.00   |
|           |            | 1       | 74        | 22.31   | 22.38   | 23.00   | 22.98   | 23.07   | 24.00   |
|           |            | 36      | 0         | 21.50   | 21.57   | 22.07   | 22.15   | 22.11   | 23.00   |
|           |            | 36      | 18        | 21.41   | 21.53   | 22.14   | 22.06   | 22.09   | 23.00   |
|           |            | 36      | 39        | 21.44   | 21.39   | 22.01   | 22.06   | 21.99   | 23.00   |
|           |            | 75      | 0         | 21.49   | 21.41   | 22.07   | 22.12   | 22.03   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.52   | 21.61   | 22.04   | 22.11   | 22.19   | 23.00   |
|           |            | 1       | 38        | 21.49   | 21.47   | 22.10   | 22.14   | 22.00   | 23.00   |
|           |            | 1       | 74        | 21.51   | 21.42   | 22.13   | 22.10   | 22.04   | 23.00   |
|           |            | 36      | 0         | 20.69   | 20.54   | 21.09   | 21.19   | 21.18   | 22.00   |
|           |            | 36      | 18        | 20.52   | 20.49   | 21.19   | 21.24   | 21.13   | 22.00   |
|           |            | 36      | 39        | 20.53   | 20.56   | 21.00   | 21.19   | 21.09   | 22.00   |
|           |            | 75      | 0         | 20.51   | 20.51   | 21.01   | 21.07   | 21.15   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.58   | 20.59   | 21.13   | 21.12   | 21.16   | 22.00   |
|           |            | 1       | 38        | 20.67   | 20.55   | 21.25   | 21.26   | 21.30   | 22.00   |
|           |            | 1       | 74        | 20.63   | 20.56   | 21.14   | 21.18   | 21.23   | 22.00   |
|           |            | 36      | 0         | 19.76   | 19.72   | 20.24   | 20.40   | 20.26   | 21.00   |
|           |            | 36      | 18        | 19.78   | 19.75   | 20.32   | 20.36   | 20.37   | 21.00   |
|           |            | 36      | 39        | 19.70   | 19.64   | 20.17   | 20.27   | 20.36   | 21.00   |
|           |            | 75      | 0         | 19.59   | 19.63   | 20.21   | 20.23   | 20.20   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 22.47   | 22.45   | 23.20   | 22.99   | 23.03   | 24.00   |
|           |            | 1       | 50        | 22.33   | 22.30   | 22.99   | 22.84   | 22.90   | 24.00   |
|           |            | 1       | 99        | 22.42   | 22.45   | 23.01   | 22.94   | 23.02   | 24.00   |
|           |            | 50      | 0         | 21.54   | 21.53   | 22.19   | 22.13   | 22.13   | 23.00   |
|           |            | 50      | 25        | 21.39   | 21.43   | 22.06   | 21.98   | 22.03   | 23.00   |
|           |            | 50      | 50        | 21.43   | 21.41   | 21.97   | 22.08   | 22.06   | 23.00   |
|           |            | 100     | 0         | 21.57   | 21.50   | 22.06   | 22.03   | 22.02   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.46   | 21.59   | 22.11   | 22.10   | 22.16   | 23.00   |
|           |            | 1       | 50        | 21.38   | 21.47   | 22.11   | 22.14   | 21.99   | 23.00   |
|           |            | 1       | 99        | 21.51   | 21.51   | 22.03   | 22.10   | 22.02   | 23.00   |
|           |            | 50      | 0         | 20.55   | 20.61   | 21.07   | 21.21   | 21.20   | 22.00   |
|           |            | 50      | 25        | 20.50   | 20.48   | 21.14   | 21.20   | 21.09   | 22.00   |
|           |            | 50      | 50        | 20.56   | 20.50   | 21.07   | 21.08   | 21.07   | 22.00   |
|           |            | 100     | 0         | 20.54   | 20.53   | 21.07   | 21.11   | 21.08   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.53   | 20.66   | 21.27   | 21.18   | 21.19   | 22.00   |
|           |            | 1       | 50        | 20.71   | 20.55   | 21.24   | 21.27   | 21.24   | 22.00   |
|           |            | 1       | 99        | 20.66   | 20.53   | 21.13   | 21.28   | 21.16   | 22.00   |

|  |  |     |    |       |       |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|-------|-------|
|  |  | 50  | 0  | 19.72 | 19.69 | 20.31 | 20.34 | 20.33 | 21.00 |
|  |  | 50  | 25 | 19.78 | 19.77 | 20.27 | 20.47 | 20.34 | 21.00 |
|  |  | 50  | 50 | 19.66 | 19.61 | 20.18 | 20.24 | 20.27 | 21.00 |
|  |  | 100 | 0  | 19.65 | 19.62 | 20.19 | 20.19 | 20.25 | 21.00 |

| LTE Band 41 PC2 |            |         |           | 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         | 23.70                | 23.67   | 24.07   | 24.27   | 24.20   | 25.00   |
|                 |            | 1       | 13        | 23.52                | 23.59   | 24.10   | 23.87   | 24.05   | 25.00   |
|                 |            | 1       | 24        | 23.62                | 23.63   | 23.97   | 24.11   | 24.09   | 25.00   |
|                 |            | 12      | 0         | 22.73                | 22.70   | 23.26   | 23.22   | 23.14   | 24.00   |
|                 |            | 12      | 6         | 22.62                | 22.66   | 23.20   | 23.08   | 23.20   | 24.00   |
|                 |            | 12      | 13        | 22.66                | 22.67   | 23.07   | 23.12   | 23.09   | 24.00   |
|                 |            | 25      | 0         | 22.67                | 22.61   | 23.16   | 23.14   | 23.18   | 24.00   |
|                 | 16QAM      | 1       | 0         | 22.74                | 22.67   | 23.19   | 23.20   | 23.19   | 24.00   |
|                 |            | 1       | 13        | 22.66                | 22.62   | 23.16   | 23.13   | 23.11   | 24.00   |
|                 |            | 1       | 24        | 22.73                | 22.67   | 23.26   | 23.23   | 23.10   | 24.00   |
|                 |            | 12      | 0         | 21.78                | 21.74   | 22.17   | 22.31   | 22.26   | 23.00   |
|                 |            | 12      | 6         | 21.76                | 21.77   | 22.18   | 22.21   | 22.15   | 23.00   |
|                 |            | 12      | 13        | 21.75                | 21.70   | 22.10   | 22.21   | 22.15   | 23.00   |
|                 |            | 25      | 0         | 21.65                | 21.68   | 22.17   | 22.21   | 22.24   | 23.00   |
|                 | 64QAM      | 1       | 0         | 21.78                | 21.83   | 22.27   | 22.29   | 22.33   | 23.00   |
|                 |            | 1       | 13        | 21.89                | 21.85   | 22.36   | 22.33   | 22.31   | 23.00   |
|                 |            | 1       | 24        | 21.72                | 21.74   | 22.26   | 22.26   | 22.25   | 23.00   |
|                 |            | 12      | 0         | 21.01                | 20.90   | 21.39   | 21.53   | 21.39   | 22.00   |
|                 |            | 12      | 6         | 20.96                | 20.93   | 21.49   | 21.54   | 21.46   | 22.00   |
|                 |            | 12      | 13        | 20.80                | 20.84   | 21.37   | 21.37   | 21.38   | 22.00   |
|                 |            | 25      | 0         | 20.85                | 20.87   | 21.31   | 21.38   | 21.26   | 22.00   |
| Bandwidth       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                 |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz           | QPSK       | 1       | 0         | 23.78                | 23.64   | 24.06   | 24.26   | 24.22   | 25.00   |
|                 |            | 1       | 25        | 23.52                | 23.56   | 24.13   | 23.94   | 24.03   | 25.00   |
|                 |            | 1       | 49        | 23.58                | 23.60   | 24.04   | 24.14   | 24.12   | 25.00   |
|                 |            | 25      | 0         | 22.73                | 22.80   | 23.26   | 23.22   | 23.15   | 24.00   |
|                 |            | 25      | 13        | 22.72                | 22.69   | 23.20   | 23.13   | 23.25   | 24.00   |
|                 |            | 25      | 25        | 22.61                | 22.70   | 23.12   | 23.19   | 23.13   | 24.00   |
|                 |            | 50      | 0         | 22.74                | 22.60   | 23.19   | 23.15   | 23.18   | 24.00   |
|                 | 16QAM      | 1       | 0         | 22.66                | 22.74   | 23.15   | 23.20   | 23.15   | 24.00   |
|                 |            | 1       | 25        | 22.70                | 22.65   | 23.19   | 23.16   | 23.13   | 24.00   |
|                 |            | 1       | 49        | 22.71                | 22.61   | 23.21   | 23.27   | 23.08   | 24.00   |
|                 |            | 25      | 0         | 21.82                | 21.75   | 22.16   | 22.35   | 22.30   | 23.00   |
|                 |            | 25      | 13        | 21.82                | 21.74   | 22.18   | 22.28   | 22.21   | 23.00   |
|                 |            | 25      | 25        | 21.74                | 21.66   | 22.11   | 22.23   | 22.17   | 23.00   |
|                 |            | 50      | 0         | 21.64                | 21.77   | 22.23   | 22.20   | 22.30   | 23.00   |

|           |            | 1       | 0         | 21.78   | 21.83   | 22.26   | 22.23   | 22.28   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 1       | 25        | 21.90   | 21.78   | 22.35   | 22.31   | 22.32   | 23.00   |
|           |            | 1       | 49        | 21.78   | 21.81   | 22.32   | 22.28   | 22.29   | 23.00   |
|           | 64QAM      | 25      | 0         | 21.02   | 20.87   | 21.46   | 21.50   | 21.44   | 22.00   |
|           |            | 25      | 13        | 20.99   | 20.99   | 21.44   | 21.53   | 21.42   | 22.00   |
|           |            | 25      | 25        | 20.78   | 20.92   | 21.34   | 21.27   | 21.38   | 22.00   |
|           |            | 50      | 0         | 20.88   | 20.85   | 21.35   | 21.30   | 21.32   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.75   | 23.67   | 24.00   | 24.26   | 24.16   | 25.00   |
|           |            | 1       | 38        | 23.50   | 23.58   | 24.18   | 23.92   | 24.03   | 25.00   |
|           |            | 1       | 74        | 23.63   | 23.58   | 23.98   | 24.14   | 24.12   | 25.00   |
|           |            | 36      | 0         | 22.73   | 22.80   | 23.21   | 23.17   | 23.13   | 24.00   |
|           |            | 36      | 18        | 22.67   | 22.69   | 23.15   | 23.09   | 23.20   | 24.00   |
|           |            | 36      | 39        | 22.60   | 22.64   | 23.12   | 23.16   | 23.16   | 24.00   |
|           |            | 75      | 0         | 22.70   | 22.58   | 23.19   | 23.19   | 23.09   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.70   | 22.65   | 23.21   | 23.13   | 23.15   | 24.00   |
|           |            | 1       | 38        | 22.67   | 22.69   | 23.15   | 23.11   | 23.19   | 24.00   |
|           |            | 1       | 74        | 22.75   | 22.66   | 23.26   | 23.21   | 23.08   | 24.00   |
|           |            | 36      | 0         | 21.82   | 21.74   | 22.17   | 22.29   | 22.34   | 23.00   |
|           |            | 36      | 18        | 21.75   | 21.76   | 22.23   | 22.26   | 22.15   | 23.00   |
|           |            | 36      | 39        | 21.77   | 21.70   | 22.08   | 22.20   | 22.16   | 23.00   |
|           |            | 75      | 0         | 21.62   | 21.69   | 22.17   | 22.19   | 22.26   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.77   | 21.91   | 22.35   | 22.22   | 22.30   | 23.00   |
|           |            | 1       | 38        | 21.85   | 21.78   | 22.26   | 22.35   | 22.29   | 23.00   |
|           |            | 1       | 74        | 21.80   | 21.77   | 22.30   | 22.35   | 22.22   | 23.00   |
|           |            | 36      | 0         | 20.99   | 20.87   | 21.45   | 21.44   | 21.38   | 22.00   |
|           |            | 36      | 18        | 20.95   | 20.96   | 21.43   | 21.54   | 21.45   | 22.00   |
|           |            | 36      | 39        | 20.80   | 20.81   | 21.27   | 21.28   | 21.31   | 22.00   |
|           |            | 75      | 0         | 20.87   | 20.80   | 21.35   | 21.28   | 21.36   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 23.73   | 23.67   | 24.32   | 24.04   | 24.14   | 25.00   |
|           |            | 1       | 50        | 23.50   | 23.52   | 24.08   | 23.91   | 24.04   | 25.00   |
|           |            | 1       | 99        | 23.68   | 23.55   | 24.00   | 24.07   | 24.08   | 25.00   |
|           |            | 50      | 0         | 22.69   | 22.76   | 23.23   | 23.22   | 23.13   | 24.00   |
|           |            | 50      | 25        | 22.61   | 22.69   | 23.18   | 23.13   | 23.23   | 24.00   |
|           |            | 50      | 50        | 22.62   | 22.64   | 23.05   | 23.10   | 23.16   | 24.00   |
|           |            | 100     | 0         | 22.68   | 22.61   | 23.22   | 23.11   | 23.11   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.74   | 22.66   | 23.22   | 23.20   | 23.23   | 24.00   |
|           |            | 1       | 50        | 22.68   | 22.66   | 23.12   | 23.18   | 23.10   | 24.00   |
|           |            | 1       | 99        | 22.76   | 22.61   | 23.19   | 23.25   | 23.14   | 24.00   |
|           |            | 50      | 0         | 21.88   | 21.73   | 22.18   | 22.34   | 22.28   | 23.00   |
|           |            | 50      | 25        | 21.75   | 21.69   | 22.20   | 22.28   | 22.15   | 23.00   |
|           |            | 50      | 50        | 21.76   | 21.67   | 22.15   | 22.19   | 22.18   | 23.00   |
|           |            | 100     | 0         | 21.63   | 21.72   | 22.22   | 22.21   | 22.29   | 23.00   |



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|  |       |     |    |       |       |       |       |       |       |
|--|-------|-----|----|-------|-------|-------|-------|-------|-------|
|  | 64QAM | 1   | 0  | 21.72 | 21.86 | 22.32 | 22.24 | 22.28 | 23.00 |
|  |       | 1   | 50 | 21.89 | 21.82 | 22.36 | 22.38 | 22.29 | 23.00 |
|  |       | 1   | 99 | 21.82 | 21.75 | 22.34 | 22.34 | 22.23 | 23.00 |
|  |       | 50  | 0  | 20.98 | 20.87 | 21.44 | 21.45 | 21.42 | 22.00 |
|  |       | 50  | 25 | 21.04 | 20.93 | 21.46 | 21.47 | 21.42 | 22.00 |
|  |       | 50  | 50 | 20.76 | 20.84 | 21.32 | 21.32 | 21.42 | 22.00 |
|  |       | 100 | 0  | 20.88 | 20.77 | 21.33 | 21.34 | 21.28 | 22.00 |

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## 5 Conducted Power of LTE Downlink CA

| CA List    | PCC     |     |       |        |         |      |     |        | SCC1    |       |        |         | Power     |            |
|------------|---------|-----|-------|--------|---------|------|-----|--------|---------|-------|--------|---------|-----------|------------|
|            | LTE     | Ant | BW    | UL     | UL      | Mod. | UL# | UL     | LTE     | BW    | DL     | DL      | With CA   | Without CA |
|            | Band    |     | (MHz) | Freq.  | Channel |      | RB  | RB     | Band    | (MHz) | Freq.  | Channel | Tx. Power | Tx. Power  |
|            |         |     |       | (MHz)  |         |      |     | Offset |         |       | (MHz)  |         | (dBm)     | (dBm)      |
| CA_2A-4A   | Band 2  | 2   | 20M   | 2535   | 21100   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 13.54     | 13.75      |
|            | Band 4  | 2   | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 15.48     | 15.67      |
| CA_2A-5A   | Band 2  | 2   | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 13.58     | 13.75      |
|            | Band 5  | 1   | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 23.02     | 23.21      |
| CA_2A-12A  | Band 2  | 2   | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 12 | 10M   | 737.5  | 5095    | 13.5      | 13.75      |
|            | Band 12 | 1   | 10M   | 707.5  | 23095   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 23.16     | 23.36      |
| CA_2A-13A  | Band 2  | 2   | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 13 | 10M   | 5230   | 751     | 13.57     | 13.75      |
|            | Band 13 | 1   | 10M   | 782    | 23230   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 23.05     | 23.21      |
| CA_2A-17A  | Band 2  | 2   | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 17 | 10M   | 5790   | 740     | 13.51     | 13.75      |
|            | Band 17 | 1   | 10M   | 710    | 23790   | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 23.15     | 23.33      |
| CA_2A-66A  | Band 2  | 2   | 20M   | 1880   | 18900   | QPSK | 1   | 0      | Band 66 | 20M   | 2164.8 | 66984   | 13.54     | 13.75      |
|            | Band 66 | 2   | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 2  | 20M   | 1960   | 900     | 15.6      | 15.79      |
| CA_4A-5A   | Band 4  | 2   | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 15.45     | 15.67      |
|            | Band 5  | 1   | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 4  | 20M   | 2132.5 | 2175    | 23.04     | 23.21      |
| CA_4A-12A  | Band 4  | 2   | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 12 | 10M   | 737.5  | 5095    | 15.51     | 15.67      |
|            | Band 12 | 1   | 10M   | 707.5  | 23095   | QPSK | 1   | 0      | Band 4  | 20M   | 2152.5 | 2375    | 23.14     | 23.36      |
| CA_4A-17A  | Band 4  | 2   | 20M   | 1732.5 | 20175   | QPSK | 1   | 0      | Band 17 | 10M   | 5790   | 740     | 15.43     | 15.67      |
|            | Band 17 | 1   | 10M   | 710    | 23790   | QPSK | 1   | 0      | Band 4  | 20M   | 2152.5 | 2375    | 23        | 23.21      |
| CA_5A-12A  | Band 5  | 1   | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 12 | 10M   | 737.5  | 5095    | 23.02     | 23.21      |
|            | Band 12 | 1   | 10M   | 707.5  | 23095   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 23.18     | 23.36      |
| CA_5A-30A  | Band 5  | 1   | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 23.04     | 23.21      |
|            | Band 30 | 2   | 10M   | 2310   | 27710   | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 11.55     | 11.71      |
| CA_5A-66A  | Band 5  | 1   | 10M   | 836.5  | 20525   | QPSK | 1   | 0      | Band 66 | 20M   | 2145   | 66786   | 23.04     | 23.21      |
|            | Band 66 | 2   | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 5  | 10M   | 881.5  | 2525    | 15.57     | 15.79      |
| CA_12A-30A | Band 12 | 1   | 10M   | 707.5  | 23095   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 23.12     | 23.36      |
|            | Band 30 | 2   | 10M   | 2310   | 27710   | QPSK | 1   | 0      | Band 12 | 10M   | 737.5  | 5095    | 11.56     | 11.71      |
| CA_12A-66A | Band 12 | 1   | 10M   | 707.5  | 23095   | QPSK | 1   | 0      | Band 66 | 20M   | 2145   | 66786   | 23.17     | 23.36      |
|            | Band 66 | 2   | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 12 | 10M   | 737.5  | 5095    | 15.64     | 15.79      |
| CA_13A-30A | Band 13 | 1   | 10M   | 782    | 23230   | QPSK | 1   | 0      | Band 30 | 10M   | 2355   | 9820    | 22.97     | 23.21      |
|            | Band 30 | 2   | 10M   | 2310   | 27710   | QPSK | 1   | 0      | Band 13 | 10M   | 5230   | 751     | 11.52     | 11.71      |
| CA_13A-66A | Band 13 | 1   | 10M   | 782    | 23230   | QPSK | 1   | 0      | Band 66 | 20M   | 2145   | 66786   | 22.97     | 23.21      |
|            | Band 66 | 2   | 20M   | 1745   | 132322  | QPSK | 1   | 0      | Band 13 | 10M   | 5230   | 751     | 15.62     | 15.79      |

## 6 Conducted Power of NR Antenna

### 6.1 Conducted Power of NR Antenna (Ant1)

| N5        |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 166800               | 167300  | 167800  |         |
|           |                         |         |           | 834                  | 836.5   | 839     |         |
| 20MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.03                | 22.17   | 22.21   | 23.00   |
|           |                         | 1       | 53        | 22.06                | 22.23   | 22.13   | 23.00   |
|           |                         | 1       | 104       | 22.12                | 22.12   | 22.19   | 23.00   |
|           |                         | 50      | 0         | 21.07                | 21.23   | 21.24   | 22.00   |
|           |                         | 50      | 28        | 22.18                | 22.14   | 22.18   | 23.00   |
|           |                         | 50      | 56        | 21.01                | 21.29   | 21.07   | 22.00   |
|           |                         | 100     | 0         | 21.07                | 21.20   | 21.23   | 22.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.21                | 22.32   | 22.27   | 23.00   |
|           |                         | 1       | 53        | 22.12                | 22.12   | 22.23   | 23.00   |
|           |                         | 1       | 104       | 22.06                | 22.15   | 22.10   | 23.00   |
|           |                         | 50      | 0         | 21.11                | 21.31   | 21.13   | 22.00   |
|           |                         | 50      | 28        | 22.05                | 22.25   | 22.18   | 23.00   |
|           |                         | 50      | 56        | 21.03                | 21.26   | 21.07   | 22.00   |
|           |                         | 100     | 0         | 21.18                | 21.30   | 21.26   | 22.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 21.10                | 21.23   | 21.22   | 22.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.50                | 19.65   | 19.71   | 20.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.63                | 17.66   | 17.61   | 18.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 344000               | 349500  | 355000  |         |
| 20MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 20.66                | 20.77   | 20.66   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 343500               | 349500  | 355500  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.17                | 22.12   | 22.24   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 343000               | 349500  | 356000  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.10                | 22.21   | 22.13   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 342500               | 349500  | 356500  |         |
| 5MHz      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.10                | 22.24   | 22.17   | 23.00   |

| N71       |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 134600               | 136100  | 137600  |         |
|           |                         |         |           | 673                  | 680.5   | 688     |         |
| 20MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.12                | 22.26   | 22.17   | 23.00   |
|           |                         | 1       | 53        | 22.13                | 22.12   | 22.03   | 23.00   |
|           |                         | 1       | 104       | 22.14                | 22.23   | 22.05   | 23.00   |
|           |                         | 50      | 0         | 21.10                | 21.09   | 21.18   | 22.00   |
|           |                         | 50      | 28        | 22.12                | 22.27   | 22.15   | 23.00   |
|           |                         | 50      | 56        | 21.08                | 21.15   | 21.18   | 22.00   |
|           |                         | 100     | 0         | 20.97                | 21.17   | 21.20   | 22.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.16                | 22.28   | 22.23   | 23.00   |
|           |                         | 1       | 53        | 22.14                | 22.23   | 22.18   | 23.00   |
|           |                         | 1       | 104       | 22.05                | 22.07   | 22.13   | 23.00   |
|           |                         | 50      | 0         | 20.97                | 21.11   | 21.02   | 22.00   |
|           |                         | 50      | 28        | 22.14                | 22.18   | 22.16   | 23.00   |
|           |                         | 50      | 56        | 21.10                | 21.24   | 21.05   | 22.00   |
|           |                         | 100     | 0         | 21.01                | 21.26   | 21.05   | 22.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.99                | 21.22   | 21.09   | 22.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.48                | 19.72   | 19.64   | 20.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.52                | 17.62   | 17.55   | 18.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 134600               | 136100  | 137600  |         |
| 20MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 20.65                | 20.67   | 20.67   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 134100               | 136100  | 138100  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.97                | 22.20   | 22.06   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 133600               | 136100  | 138600  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.99                | 22.27   | 22.12   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 133100               | 136100  | 139100  |         |
| 5MHz      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.12                | 22.10   | 22.19   | 23.00   |

## 6.2 Conducted Power of NR Antenna (Ant3)

| N48       |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 638000               | 641666  | 645332  |         |
|           |                         |         |           | 3570                 | 3624.99 | 3679.98 |         |
| 40MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 12.23                | 12.22   | 12.43   | 13.50   |
|           |                         | 1       | 53        | 12.34                | 12.20   | 12.31   | 13.50   |
|           |                         | 1       | 104       | 12.38                | 12.31   | 12.40   | 13.50   |
|           |                         | 50      | 0         | 11.43                | 11.24   | 11.30   | 12.50   |
|           |                         | 50      | 28        | 12.28                | 12.31   | 12.30   | 13.50   |
|           |                         | 50      | 56        | 11.26                | 11.26   | 11.27   | 12.50   |
|           |                         | 100     | 0         | 11.42                | 11.31   | 11.42   | 12.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.47                | 12.48   | 12.40   | 13.50   |
|           |                         | 1       | 53        | 12.30                | 12.40   | 12.35   | 13.50   |
|           |                         | 1       | 104       | 12.27                | 12.32   | 12.31   | 13.50   |
|           |                         | 50      | 0         | 11.24                | 11.31   | 11.45   | 12.50   |
|           |                         | 50      | 28        | 12.31                | 12.33   | 12.29   | 13.50   |
|           |                         | 50      | 56        | 11.28                | 11.30   | 11.38   | 12.50   |
|           |                         | 100     | 0         | 11.20                | 11.29   | 11.24   | 12.50   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 11.20                | 11.27   | 11.24   | 12.50   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 9.84                 | 9.85    | 9.89    | 11.00   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 7.78                 | 7.74    | 7.91    | 9.00    |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 640000               | 641666  | 643332  |         |
| 40MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 10.64                | 10.85   | 10.83   | 12.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 637334               | 641666  | 646000  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.26                | 12.28   | 12.28   | 13.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 637168               | 641666  | 646166  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.34                | 12.19   | 12.23   | 13.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 637000               | 641666  | 646332  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.33                | 12.28   | 12.24   | 13.50   |



| N48       |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 638000               | 641666  | 645332  |         |
|           |                         |         |           | 3570                 | 3624.99 | 3679.98 |         |
| 40MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 12.13                | 12.21   | 12.28   | 13.50   |
|           |                         | 1       | 53        | 12.26                | 12.11   | 12.32   | 13.50   |
|           |                         | 1       | 104       | 12.31                | 12.15   | 12.35   | 13.50   |
|           |                         | 50      | 0         | 11.20                | 11.15   | 11.14   | 12.50   |
|           |                         | 50      | 28        | 12.24                | 12.20   | 12.16   | 13.50   |
|           |                         | 50      | 56        | 11.15                | 11.13   | 11.17   | 12.50   |
|           |                         | 100     | 0         | 11.26                | 11.08   | 11.30   | 12.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.29                | 12.38   | 12.34   | 13.50   |
|           |                         | 1       | 53        | 12.18                | 12.35   | 12.33   | 13.50   |
|           |                         | 1       | 104       | 12.17                | 12.19   | 12.16   | 13.50   |
|           |                         | 50      | 0         | 11.22                | 11.24   | 11.26   | 12.50   |
|           |                         | 50      | 28        | 12.22                | 12.29   | 12.11   | 13.50   |
|           |                         | 50      | 56        | 11.16                | 11.21   | 11.36   | 12.50   |
|           |                         | 100     | 0         | 11.13                | 11.22   | 11.18   | 12.50   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 11.11                | 11.15   | 11.10   | 12.50   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 9.63                 | 9.65    | 9.81    | 11.00   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 7.69                 | 7.73    | 7.84    | 9.00    |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 640000               | 641666  | 643332  |         |
| 40MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 10.58                | 10.71   | 10.72   | 12.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 637334               | 641666  | 646000  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.19                | 12.23   | 12.15   | 13.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 637168               | 641666  | 646166  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.15                | 12.23   | 12.15   | 13.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 637000               | 641666  | 646332  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.15                | 12.24   | 12.12   | 13.50   |

| N77 Part Q           |                         |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                         |         |           |                      |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | /                    | 633334  | /       |         |
|                      |                         |         |           | /                    | 3500    | /       |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | /                    | 13.73   | /       | 14.50   |
|                      |                         | 1       | 137       | /                    | 13.77   | /       | 14.50   |
|                      |                         | 1       | 271       | /                    | 13.62   | /       | 14.50   |
|                      |                         | 135     | 0         | /                    | 12.71   | /       | 13.50   |
|                      |                         | 135     | 69        | /                    | 13.78   | /       | 14.50   |
|                      |                         | 135     | 138       | /                    | 12.73   | /       | 13.50   |
|                      |                         | 270     | 0         | /                    | 12.77   | /       | 13.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | /                    | 13.97   | /       | 14.50   |
|                      |                         | 1       | 137       | /                    | 13.70   | /       | 14.50   |
|                      |                         | 1       | 271       | /                    | 13.63   | /       | 14.50   |
|                      |                         | 135     | 0         | /                    | 12.65   | /       | 13.50   |
|                      |                         | 135     | 69        | /                    | 13.76   | /       | 14.50   |
|                      |                         | 135     | 138       | /                    | 12.71   | /       | 13.50   |
|                      |                         | 270     | 0         | /                    | 12.65   | /       | 13.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | /                    | 12.75   | /       | 13.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | /                    | 11.30   | /       | 12.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | /                    | 9.22    | /       | 10.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | /                    | 12.33   | /       | 13.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.68                | 13.67   | 13.68   | 14.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.64                | 13.69   | 13.68   | 14.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 632000               | 633334  | 634668  |         |
| 60MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.65                | 13.67   | 13.65   | 14.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 631668               | 633334  | 635000  |         |
| 50MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.69                | 13.64   | 13.69   | 14.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 631334  | 633334  | 635334  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.71   | 13.68   | 13.64   | 14.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630668  | 633334  | 636000  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.69   | 13.71   | 13.66   | 14.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630500  | 633334  | 636166  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.67   | 13.70   | 13.67   | 14.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630334  | 633334  | 636334  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.69   | 13.71   | 13.67   | 14.50   |

| N77 Part Q           |                         |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz(3450~3550) |                         |         |           |                      |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | /                    | 633334  | /       |         |
|                      |                         |         |           | /                    | 3500    | /       |         |
| 50MHz                | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | /                    | 13.67   | /       | 14.50   |
|                      |                         | 1       | 137       | /                    | 13.66   | /       | 14.50   |
|                      |                         | 1       | 271       | /                    | 13.58   | /       | 14.50   |
|                      |                         | 135     | 0         | /                    | 12.55   | /       | 13.50   |
|                      |                         | 135     | 69        | /                    | 13.64   | /       | 14.50   |
|                      |                         | 135     | 138       | /                    | 12.52   | /       | 13.50   |
|                      |                         | 270     | 0         | /                    | 12.65   | /       | 13.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | /                    | 13.77   | /       | 14.50   |
|                      |                         | 1       | 137       | /                    | 13.57   | /       | 14.50   |
|                      |                         | 1       | 271       | /                    | 13.50   | /       | 14.50   |
|                      |                         | 135     | 0         | /                    | 12.60   | /       | 13.50   |
|                      |                         | 135     | 69        | /                    | 13.74   | /       | 14.50   |
|                      |                         | 135     | 138       | /                    | 12.58   | /       | 13.50   |
|                      |                         | 270     | 0         | /                    | 12.58   | /       | 13.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | /                    | 12.69   | /       | 13.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | /                    | 11.21   | /       | 12.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | /                    | 9.04    | /       | 10.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | /                    | 633334  | /       |         |
| 50MHz                | CP-OFDM<br>QPSK         | 1       | 1         | /                    | 12.18   | /       | 13.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 631334               | 633334  | 635334  |         |

|              |                 |         |           |                   |                   |                   |         |
|--------------|-----------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.60             | 13.54             | 13.59             | 14.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel<br>630668 | Channel<br>633334 | Channel<br>636000 | Tune up |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.54             | 13.51             | 13.54             | 14.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel<br>630500 | Channel<br>633334 | Channel<br>636166 | Tune up |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.52             | 13.56             | 13.57             | 14.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel<br>630334 | Channel<br>633334 | Channel<br>636334 | Tune up |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 13.53             | 13.53             | 13.60             | 14.50   |

| N77 Part O           |                         |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |                      |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 650000               | 656000  | 662000  |         |
|                      |                         |         |           | 3750                 | 3840    | 3930    |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 13.39                | 13.51   | 13.43   | 14.50   |
|                      |                         | 1       | 137       | 13.31                | 13.49   | 13.38   | 14.50   |
|                      |                         | 1       | 271       | 13.39                | 13.57   | 13.49   | 14.50   |
|                      |                         | 135     | 0         | 12.46                | 12.49   | 12.54   | 13.50   |
|                      |                         | 135     | 69        | 13.41                | 13.41   | 13.42   | 14.50   |
|                      |                         | 135     | 138       | 12.49                | 12.59   | 12.37   | 13.50   |
|                      |                         | 270     | 0         | 12.61                | 12.44   | 12.40   | 13.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.49                | 13.61   | 13.57   | 14.50   |
|                      |                         | 1       | 137       | 13.37                | 13.52   | 13.42   | 14.50   |
|                      |                         | 1       | 271       | 13.43                | 13.41   | 13.43   | 14.50   |
|                      |                         | 135     | 0         | 12.41                | 12.49   | 12.43   | 13.50   |
|                      |                         | 135     | 69        | 13.52                | 13.55   | 13.54   | 14.50   |
|                      |                         | 135     | 138       | 12.57                | 12.47   | 12.40   | 13.50   |
|                      |                         | 270     | 0         | 12.34                | 12.54   | 12.52   | 13.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 12.50                | 12.61   | 12.39   | 13.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 10.93                | 11.12   | 10.89   | 12.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 8.96                 | 9.11    | 9.01    | 10.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 650000               | 656000  | 662000  |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 11.95                | 11.98   | 12.07   | 13.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 649668               | 656000  | 662332  |         |

|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.42   | 13.56   | 13.42   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 649334  | 656000  | 662666  |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.48   | 13.55   | 13.43   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648668  | 656000  | 663332  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.46   | 13.51   | 13.35   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648334  | 656000  | 663666  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.47   | 13.57   | 13.44   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 656000  | 664000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.47   | 13.51   | 13.37   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 656000  | 664666  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.42   | 13.48   | 13.38   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647168  | 656000  | 664832  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.52   | 13.58   | 13.36   | 14.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 656000  | 665000  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.51   | 13.54   | 13.36   | 14.50   |

| N77 Part O           |                         |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz(3700~3980) |                         |         |           |                      |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                         |         |           | 650000               | 656000  | 662000  |         |
|                      |                         |         |           | 3750                 | 3840    | 3930    |         |
| 50MHz                | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 13.25                | 13.43   | 13.25   | 14.50   |
|                      |                         | 1       | 131       | 13.32                | 13.43   | 13.32   | 14.50   |
|                      |                         | 1       | 132       | 13.30                | 13.49   | 13.46   | 14.50   |
|                      |                         | 2       | 0         | 12.29                | 12.31   | 12.43   | 13.50   |
|                      |                         | 2       | 131       | 13.32                | 13.32   | 13.37   | 14.50   |
|                      |                         | 64      | 32        | 12.31                | 12.45   | 12.32   | 13.50   |
|                      |                         | 128     | 0         | 12.47                | 12.40   | 12.39   | 13.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.43                | 13.55   | 13.47   | 14.50   |
|                      |                         | 1       | 131       | 13.27                | 13.39   | 13.27   | 14.50   |
|                      |                         | 1       | 132       | 13.26                | 13.30   | 13.36   | 14.50   |
|                      |                         | 2       | 0         | 12.24                | 12.24   | 12.31   | 13.50   |

|           |                      |         |           |         |         |         |         |
|-----------|----------------------|---------|-----------|---------|---------|---------|---------|
|           |                      | 2       | 131       | 13.38   | 13.46   | 13.33   | 14.50   |
|           |                      | 64      | 32        | 12.42   | 12.33   | 12.38   | 13.50   |
|           |                      | 128     | 0         | 12.33   | 12.46   | 12.45   | 13.50   |
|           | DFT-s-OFDM<br>16QAM  | 1       | 1         | 12.47   | 12.52   | 12.26   | 13.50   |
|           | DFT-s-OFDM<br>64QAM  | 1       | 1         | 10.85   | 10.97   | 10.84   | 12.00   |
|           | DFT-s-OFDM<br>256QAM | 1       | 1         | 8.87    | 9.04    | 8.88    | 10.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 648334  | 656000  | 663666  |         |
| 50MHz     | CP-OFDM<br>QPSK      | 1       | 1         | 11.93   | 12.04   | 12.00   | 13.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 648000  | 656000  | 664000  |         |
| 40MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.42   | 13.51   | 13.35   | 14.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647334  | 656000  | 664666  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.36   | 13.47   | 13.36   | 14.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647168  | 656000  | 664832  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.35   | 13.44   | 13.35   | 14.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647000  | 656000  | 665000  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.35   | 13.44   | 13.38   | 14.50   |

### 6.3 Conducted Power of NR Antenna (Ant4)

| N2        |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 372000               | 376000  | 380000  |         |
| 20MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 21.67                | 21.72   | 21.61   | 23.00   |
|           |                         | 1       | 53        | 21.66                | 21.71   | 21.71   | 23.00   |
|           |                         | 1       | 104       | 21.64                | 21.72   | 21.68   | 23.00   |
|           |                         | 50      | 0         | 20.70                | 20.79   | 20.78   | 22.00   |
|           |                         | 50      | 28        | 21.73                | 21.74   | 21.72   | 23.00   |
|           |                         | 50      | 56        | 20.68                | 20.68   | 20.80   | 22.00   |
|           |                         | 100     | 0         | 20.61                | 20.75   | 20.76   | 22.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.78                | 21.83   | 21.81   | 23.00   |
|           |                         | 1       | 53        | 21.69                | 21.65   | 21.76   | 23.00   |
|           |                         | 1       | 104       | 21.73                | 21.75   | 21.65   | 23.00   |
|           |                         | 50      | 0         | 20.60                | 20.73   | 20.79   | 22.00   |
|           |                         | 50      | 28        | 21.65                | 21.78   | 21.79   | 23.00   |
|           |                         | 50      | 56        | 20.76                | 20.75   | 20.64   | 22.00   |
|           |                         | 100     | 0         | 20.64                | 20.64   | 20.65   | 22.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.58                | 20.69   | 20.72   | 22.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.24                | 19.17   | 19.25   | 20.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.20                | 17.20   | 17.14   | 18.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 372000               | 376000  | 380000  |         |
| 20MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 20.12                | 20.25   | 20.22   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 371500               | 376000  | 380500  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.63                | 21.63   | 21.67   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 371000               | 376000  | 381000  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.64                | 21.81   | 21.79   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 370500               | 376000  | 381500  |         |
| 5MHz      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.71                | 21.76   | 21.68   | 23.00   |

| N25       |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 372000               | 376500  | 381000  |         |
| 20MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 21.51                | 21.81   | 21.64   | 23.00   |
|           |                         | 1       | 53        | 21.53                | 21.69   | 21.62   | 23.00   |
|           |                         | 1       | 104       | 21.47                | 21.72   | 21.63   | 23.00   |
|           |                         | 50      | 0         | 20.60                | 20.69   | 20.61   | 22.00   |
|           |                         | 50      | 28        | 21.50                | 21.83   | 21.65   | 23.00   |
|           |                         | 50      | 56        | 20.60                | 20.79   | 20.66   | 22.00   |
|           |                         | 100     | 0         | 20.45                | 20.85   | 20.66   | 22.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.66                | 21.86   | 21.78   | 23.00   |
|           |                         | 1       | 53        | 21.63                | 21.78   | 21.58   | 23.00   |
|           |                         | 1       | 104       | 21.63                | 21.72   | 21.63   | 23.00   |
|           |                         | 50      | 0         | 20.48                | 20.81   | 20.58   | 22.00   |
|           |                         | 50      | 28        | 21.59                | 21.75   | 21.57   | 23.00   |
|           |                         | 50      | 56        | 20.55                | 20.75   | 20.73   | 22.00   |
|           |                         | 100     | 0         | 20.53                | 20.75   | 20.70   | 22.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.57                | 20.81   | 20.71   | 22.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.07                | 19.26   | 19.26   | 20.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 16.98                | 17.31   | 17.13   | 18.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 372000               | 376500  | 381000  |         |
| 20MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 20.03                | 20.16   | 20.17   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 371500               | 376500  | 381500  |         |
| 15MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.50                | 21.75   | 21.61   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 371000               | 376500  | 382000  |         |
| 10MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.56                | 21.75   | 21.70   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 370500               | 376500  | 382500  |         |
| 5MHz      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.62                | 21.80   | 21.68   | 23.00   |

| N41 PC2&3 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------|------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz |            |         |           |                      |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |            |         |           | 509202               | 518598  | 528000  |         |
|           |            |         |           | 2546.01              | 2592.99 | 2640    |         |
| 100MHz    | DFT-s-OFDM | 1       | 1         | 21.22                | 21.21   | 21.22   | 22.00   |



|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | PI/2 BPSK         | 1       | 137       | 21.13   | 21.30   | 21.15   | 22.00   |
|           |                   | 1       | 271       | 21.12   | 21.31   | 21.31   | 22.00   |
|           |                   | 135     | 0         | 20.14   | 20.34   | 20.30   | 21.00   |
|           |                   | 135     | 69        | 21.17   | 21.19   | 21.25   | 22.00   |
|           |                   | 135     | 138       | 20.20   | 20.20   | 20.27   | 21.00   |
|           |                   | 270     | 0         | 20.18   | 20.22   | 20.29   | 21.00   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | 21.27   | 21.38   | 21.33   | 22.00   |
|           |                   | 1       | 137       | 21.09   | 21.37   | 21.19   | 22.00   |
|           |                   | 1       | 271       | 21.23   | 21.21   | 21.29   | 22.00   |
|           |                   | 135     | 0         | 20.25   | 20.26   | 20.14   | 21.00   |
|           |                   | 135     | 69        | 21.07   | 21.36   | 21.19   | 22.00   |
|           |                   | 135     | 138       | 20.24   | 20.30   | 20.28   | 21.00   |
|           |                   | 270     | 0         | 20.19   | 20.21   | 20.29   | 21.00   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | 20.12   | 20.18   | 20.26   | 21.00   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | 18.69   | 18.74   | 18.73   | 19.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | 16.57   | 16.84   | 16.67   | 17.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 509202  | 518598  | 528000  |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | 19.57   | 19.70   | 19.72   | 20.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 508200  | 518598  | 528996  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 21.16   | 21.36   | 21.19   | 22.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 507204  | 518598  | 529998  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 21.10   | 21.17   | 21.32   | 22.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 505200  | 518598  | 531996  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 21.15   | 21.32   | 21.30   | 22.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 504204  | 518598  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 21.13   | 21.25   | 21.21   | 22.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 503202  | 518598  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 21.12   | 21.30   | 21.17   | 22.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 501204  | 518598  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 21.09   | 21.27   | 21.19   | 22.00   |

| Bandwidth | Modulation         | RB size | RB offset | Channel<br>500700 | Channel<br>518598 | Channel<br>536496 | Tune up |
|-----------|--------------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 15MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 21.23             | 21.32             | 21.17             | 22.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>500202 | Channel<br>518598 | Channel<br>537000 | Tune up |
| 10MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 21.10             | 21.22             | 21.28             | 22.00   |

| N41 PC2&3 |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 504204               | 518598  | 532998  |         |
|           |                         |         |           |                      | 2592.99 |         |         |
| 50MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 21.13                | 21.15   | 21.02   | 22.00   |
|           |                         | 1       | 131       | 21.01                | 21.26   | 21.03   | 22.00   |
|           |                         | 1       | 132       | 20.95                | 21.23   | 21.27   | 22.00   |
|           |                         | 2       | 0         | 20.02                | 20.25   | 20.12   | 21.00   |
|           |                         | 2       | 131       | 21.12                | 21.09   | 21.21   | 22.00   |
|           |                         | 64      | 32        | 20.10                | 20.13   | 20.14   | 21.00   |
|           |                         | 128     | 0         | 20.06                | 20.16   | 20.25   | 21.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.18                | 21.36   | 21.28   | 22.00   |
|           |                         | 1       | 131       | 21.03                | 21.25   | 21.00   | 22.00   |
|           |                         | 1       | 132       | 21.11                | 21.20   | 21.09   | 22.00   |
|           |                         | 2       | 0         | 20.12                | 20.22   | 19.98   | 21.00   |
|           |                         | 2       | 131       | 21.05                | 21.24   | 20.98   | 22.00   |
|           |                         | 64      | 32        | 20.03                | 20.21   | 20.25   | 21.00   |
|           |                         | 128     | 0         | 20.07                | 20.12   | 20.28   | 21.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.01                | 19.99   | 20.10   | 21.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 18.58                | 18.61   | 18.60   | 19.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 16.42                | 16.73   | 16.56   | 17.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 504204               | 518598  | 532998  |         |
| 50MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 19.41                | 19.55   | 19.62   | 20.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 503202               | 518598  | 534000  |         |
| 40MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.97                | 21.21   | 21.00   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 502200               | 518598  | 534996  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.09                | 21.19   | 21.08   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 501204  | 518598  | 535998  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.99   | 21.29   | 20.98   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500700  | 518598  | 536496  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.01   | 21.30   | 21.11   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500202  | 518598  | 537000  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.04   | 21.29   | 21.05   | 22.00   |

| N66       |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 346000               | 349000  | 352000  |         |
|           |                         |         |           | 1730                 | 1745    | 1760    |         |
| 40MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.02                | 22.03   | 22.11   | 23.00   |
|           |                         | 1       | 108       | 22.10                | 22.07   | 22.11   | 23.00   |
|           |                         | 1       | 214       | 21.98                | 22.21   | 22.17   | 23.00   |
|           |                         | 108     | 0         | 21.06                | 21.05   | 21.11   | 22.00   |
|           |                         | 108     | 54        | 21.99                | 22.20   | 22.16   | 23.00   |
|           |                         | 108     | 108       | 21.13                | 21.09   | 21.09   | 22.00   |
|           |                         | 216     | 0         | 21.03                | 21.18   | 21.01   | 22.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.16                | 22.23   | 22.19   | 23.00   |
|           |                         | 1       | 108       | 22.14                | 22.16   | 22.00   | 23.00   |
|           |                         | 1       | 214       | 22.08                | 22.06   | 22.07   | 23.00   |
|           |                         | 108     | 0         | 21.07                | 21.20   | 21.03   | 22.00   |
|           |                         | 108     | 54        | 21.99                | 22.19   | 22.12   | 23.00   |
|           |                         | 108     | 108       | 20.96                | 21.04   | 21.11   | 22.00   |
|           |                         | 216     | 0         | 21.11                | 21.12   | 21.00   | 22.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 21.06                | 21.14   | 21.10   | 22.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.46                | 19.67   | 19.52   | 20.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.56                | 17.54   | 17.61   | 18.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 346000               | 349000  | 352000  |         |
| 40MHz     | CP-OFDM<br>QPSK         | 1       | 1         | 20.60                | 20.69   | 20.65   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 345000               | 349000  | 353000  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.08                | 22.11   | 22.01   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 344000               | 349000  | 354000  |         |

|              |                    |         |           |                   |                   |                   |         |
|--------------|--------------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| <b>20MHz</b> | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.15             | 22.11             | 22.11             | 23.00   |
| Bandwidth    | Modulation         | RB size | RB offset | Channel<br>343500 | Channel<br>349000 | Channel<br>354500 | Tune up |
| <b>15MHz</b> | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.13             | 22.07             | 22.14             | 23.00   |
| Bandwidth    | Modulation         | RB size | RB offset | Channel<br>343000 | Channel<br>349000 | Channel<br>355000 | Tune up |
| <b>10MHz</b> | DFT-s-OFDM<br>QPSK | 1       | 1         | 21.97             | 22.19             | 22.08             | 23.00   |
| Bandwidth    | Modulation         | RB size | RB offset | Channel<br>342500 | Channel<br>349000 | Channel<br>355500 | Tune up |
| <b>5MHz</b>  | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.01             | 22.18             | 22.03             | 23.00   |

## 7 Conducted Power of WiFi and Bluetooth

### 7.1 Conducted Power of WIFI

| Mode         | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
|--------------|---------|----------------|-----------------|---------------------|---------|
| 802.11b      | 1       | 2412           | 1               | 15.98               | 17.00   |
|              | 6       | 2437           |                 | 16.19               | 17.00   |
|              | 11      | 2462           |                 | 15.87               | 17.00   |
| 802.11g      | 1       | 2412           | 6               | 15.90               | 16.50   |
|              | 6       | 2437           |                 | 16.09               | 17.00   |
|              | 11      | 2462           |                 | 15.23               | 16.00   |
| 802.11n-HT20 | 1       | 2412           | 6.5             | 15.93               | 17.00   |
|              | 6       | 2437           |                 | 16.08               | 17.00   |
|              | 11      | 2462           |                 | 15.96               | 17.00   |
| 802.11n-HT40 | 3       | 2422           | 6.5             | 16.02               | 17.00   |
|              | 6       | 2437           |                 | 15.95               | 17.00   |
|              | 9       | 2452           |                 | 15.85               | 17.00   |

| 5GHz    | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
|---------|----------|---------|----------------|-----------------|---------------------|---------|
| 802.11a | U-NII-1  | 36      | 5180           | 6               | 13.03               | 14.00   |
|         |          | 40      | 5200           |                 | 13.18               | 14.00   |
|         |          | 44      | 5220           |                 | 13.01               | 14.00   |
|         |          | 48      | 5240           |                 | 13.10               | 14.00   |
|         | U-NII-2A | 52      | 5260           |                 | 13.07               | 14.00   |
|         |          | 56      | 5280           |                 | 12.94               | 13.50   |
|         |          | 60      | 5300           |                 | 13.10               | 14.00   |
|         |          | 64      | 5320           |                 | 13.06               | 14.00   |
|         | U-NII-2C | 100     | 5500           |                 | 13.01               | 14.00   |
|         |          | 104     | 5520           |                 | 12.92               | 13.50   |
|         |          | 108     | 5540           |                 | 12.91               | 13.50   |
|         |          | 112     | 5560           |                 | 12.82               | 13.50   |
|         |          | 116     | 5580           |                 | 13.07               | 14.00   |
|         |          | 120     | 5600           |                 | 12.99               | 13.50   |
|         |          | 124     | 5620           |                 | 12.94               | 13.50   |
|         |          | 128     | 5640           |                 | 12.96               | 13.50   |
|         |          | 132     | 5660           |                 | 12.97               | 13.50   |
|         |          | 136     | 5680           |                 | 12.98               | 13.50   |
|         |          | 140     | 5700           |                 | 13.02               | 14.00   |
|         | U-NII-3  | 149     | 5745           |                 | 14.25               | 15.50   |
|         |          | 153     | 5765           |                 | 14.28               | 15.50   |
|         |          | 157     | 5785           |                 | 14.36               | 15.50   |
|         |          | 161     | 5805           |                 | 14.30               | 15.50   |

|              |          | 165     | 5825           |                 | 14.19               | 15.00   |
|--------------|----------|---------|----------------|-----------------|---------------------|---------|
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT20 | U-NII-1  | 36      | 5180           | MCS0            | 13.03               | 14.00   |
|              |          | 40      | 5200           |                 | 13.06               | 14.00   |
|              |          | 44      | 5220           |                 | 13.09               | 14.00   |
|              |          | 48      | 5240           |                 | 12.87               | 13.50   |
|              | U-NII-2A | 52      | 5260           |                 | 12.81               | 13.50   |
|              |          | 56      | 5280           |                 | 12.69               | 13.50   |
|              |          | 60      | 5300           |                 | 12.65               | 13.50   |
|              |          | 64      | 5320           |                 | 12.71               | 13.50   |
|              | U-NII-2C | 100     | 5500           |                 | 12.74               | 13.50   |
|              |          | 104     | 5520           |                 | 12.65               | 13.50   |
|              |          | 108     | 5540           |                 | 12.64               | 13.50   |
|              |          | 112     | 5560           |                 | 12.75               | 13.50   |
|              |          | 116     | 5580           |                 | 12.72               | 13.50   |
|              |          | 120     | 5600           |                 | 12.82               | 13.50   |
|              |          | 124     | 5620           |                 | 12.82               | 13.50   |
|              |          | 128     | 5640           |                 | 12.80               | 13.50   |
|              |          | 132     | 5660           |                 | 12.82               | 13.50   |
|              |          | 136     | 5680           |                 | 13.01               | 14.00   |
|              |          | 140     | 5700           |                 | 13.01               | 14.00   |
|              | U-NII-3  | 149     | 5745           |                 | 14.12               | 15.00   |
|              |          | 153     | 5765           |                 | 14.12               | 15.00   |
|              |          | 157     | 5785           |                 | 14.23               | 15.00   |
|              |          | 161     | 5805           |                 | 14.25               | 15.00   |
|              |          | 165     | 5825           |                 | 14.09               | 15.00   |
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT40 | U-NII-1  | 38      | 5190           | MCS0            | 12.87               | 13.50   |
|              |          | 46      | 5230           |                 | 12.78               | 13.50   |
|              | U-NII-2A | 54      | 5270           |                 | 12.70               | 13.50   |
|              |          | 62      | 5310           |                 | 12.59               | 13.50   |
|              | U-NII-2C | 102     | 5510           |                 | 13.04               | 14.00   |
|              |          | 110     | 5550           |                 | 13.01               | 14.00   |
|              |          | 118     | 5590           |                 | 13.02               | 14.00   |
|              |          | 126     | 5630           |                 | 12.68               | 13.50   |
|              |          | 134     | 5670           |                 | 12.81               | 13.50   |
|              | U-NII-3  | 151     | 5755           |                 | 14.19               | 15.00   |
|              |          | 159     | 5795           |                 | 14.09               | 15.00   |
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |

|              |          |         |                |                 |                     |         |
|--------------|----------|---------|----------------|-----------------|---------------------|---------|
| 802.11ac-20  | U-NII-1  | 36      | 5180           | MCS0            | 13.02               | 14.00   |
|              |          | 40      | 5200           |                 | 13.01               | 14.00   |
|              |          | 44      | 5220           |                 | 13.05               | 14.00   |
|              |          | 48      | 5240           |                 | 13.01               | 14.00   |
|              | U-NII-2A | 52      | 5260           |                 | 12.90               | 13.50   |
|              |          | 56      | 5280           |                 | 12.71               | 13.50   |
|              |          | 60      | 5300           |                 | 12.66               | 13.50   |
|              |          | 64      | 5320           |                 | 12.65               | 13.50   |
|              | U-NII-2C | 100     | 5500           |                 | 12.76               | 13.50   |
|              |          | 104     | 5520           |                 | 12.72               | 13.50   |
|              |          | 108     | 5540           |                 | 12.74               | 13.50   |
|              |          | 112     | 5560           |                 | 12.84               | 13.50   |
|              |          | 116     | 5580           |                 | 12.87               | 13.50   |
|              |          | 120     | 5600           |                 | 12.89               | 13.50   |
|              |          | 124     | 5620           |                 | 12.84               | 13.50   |
|              |          | 128     | 5640           |                 | 12.88               | 13.50   |
|              |          | 132     | 5660           |                 | 12.91               | 13.50   |
|              |          | 136     | 5680           |                 | 13.00               | 13.50   |
|              |          | 140     | 5700           |                 | 12.98               | 13.50   |
|              | U-NII-3  | 149     | 5745           |                 | 14.20               | 15.00   |
|              |          | 153     | 5765           |                 | 14.23               | 15.00   |
|              |          | 157     | 5785           |                 | 14.25               | 15.00   |
|              |          | 161     | 5805           |                 | 14.21               | 15.00   |
|              |          | 165     | 5825           |                 | 14.15               | 15.00   |
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac-40  | U-NII-1  | 38      | 5190           | MCS0            | 12.84               | 13.50   |
|              |          | 46      | 5230           |                 | 12.79               | 13.50   |
|              | U-NII-2A | 54      | 5270           |                 | 12.81               | 13.50   |
|              |          | 62      | 5310           |                 | 12.78               | 13.50   |
|              | U-NII-2C | 102     | 5510           |                 | 12.97               | 13.50   |
|              |          | 110     | 5550           |                 | 12.82               | 13.50   |
|              |          | 118     | 5590           |                 | 12.81               | 13.50   |
|              |          | 126     | 5630           |                 | 12.81               | 13.50   |
|              |          | 134     | 5670           |                 | 12.91               | 13.50   |
|              | U-NII-3  | 151     | 5755           |                 | 14.23               | 15.00   |
|              |          | 159     | 5795           |                 | 14.25               | 15.00   |
| 5GHz         | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac 80M | U-NII-1  | 42      | 5210           | MCS0            | 12.95               | 13.50   |
|              | U-NII-2A | 58      | 5290           |                 | 12.83               | 13.50   |
|              | U-NII-2C | 106     | 5530           |                 | 12.88               | 13.50   |
|              |          | 122     | 5610           |                 | 12.97               | 13.50   |
|              | U-NII-3  | 155     | 5775           |                 | 14.26               | 15.00   |

## 7.2 Conducted Power of BT

| BT     |               | Average Conducted Power(dBm) |         |       |       |         |
|--------|---------------|------------------------------|---------|-------|-------|---------|
| Band   | Channel       | 0                            | Tune up | 39    | 78    | Tune up |
| BT     | GFSK          | 8.83                         | 10.50   | 10.83 | 10.51 | 12.00   |
|        | $\pi/4$ DQPSK | 6.59                         | 8.00    | 7.69  | 7.63  | 9.00    |
|        | 8DPSK         | 6.26                         | 8.00    | 7.51  | 7.42  | 9.00    |
| Band   | Channel       | 0                            | Tune up | 19    | 39    | Tune up |
| BLE 1M | GFSK          | 3.88                         | 5.50    | 6.06  | 5.29  | 7.00    |
| Band   | Channel       | 1                            | Tune up | 19    | 38    | Tune up |
| BLE 2M | GFSK          | 3.76                         | 5.50    | 6.13  | 5.36  | 7.00    |