

# **Appendix E**

## **Conducted RF Output Power**

# 1 Conducted Power

## 1.1 Conducted Power of GSM

| GSM 850 Ant3            |            |              |              |              |         |                  |                                 |       |       |              |
|-------------------------|------------|--------------|--------------|--------------|---------|------------------|---------------------------------|-------|-------|--------------|
| 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        | 31.98        | 31.84        | 32.01        | 32.50   | -9.03            | 22.95                           | 22.81 | 22.98 | 23.47        |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 31.82        | 32.18        | 31.99        | 32.50   | -9.03            | 22.79                           | 23.15 | 22.96 | 23.47        |
|                         | 2 TX Slots | 29.53        | 29.70        | 29.42        | 30.00   | -6.02            | 23.51                           | 23.68 | 23.40 | 23.98        |
|                         | 3 TX Slots | 27.60        | 27.29        | 27.48        | 28.00   | -4.26            | 23.34                           | 23.03 | 23.22 | 23.74        |
|                         | 4 TX Slots | <b>26.26</b> | <b>26.42</b> | <b>26.38</b> | 27.00   | -3.01            | 23.25                           | 23.41 | 23.37 | <b>23.99</b> |
| EGPRS (8PSK)            | 1 TX Slot  | 25.14        | 25.44        | 25.19        | 26.00   | -9.03            | 16.11                           | 16.41 | 16.16 | 16.97        |
|                         | 2 TX Slots | 23.05        | 23.45        | 23.12        | 24.00   | -6.02            | 17.03                           | 17.43 | 17.10 | 17.98        |
|                         | 3 TX Slots | 20.76        | 20.89        | 20.92        | 22.00   | -4.26            | 16.50                           | 16.63 | 16.66 | 17.74        |
|                         | 4 TX Slots | 19.63        | 19.87        | 20.02        | 21.00   | -3.01            | 16.62                           | 16.86 | 17.01 | 17.99        |

| GSM 850 Ant11                             |            |              |              |              |         |                  |                                 |       |       |              |
|-------------------------------------------|------------|--------------|--------------|--------------|---------|------------------|---------------------------------|-------|-------|--------------|
| 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        | 30.54        | 30.96        | 30.95        | 31.50   | -9.03            | 21.51                           | 21.93 | 21.92 | 22.47        |
| GPRS/EGPRS (GMSK)                         | 1 TX Slot  | 30.55        | 31.23        | 30.99        | 31.50   | -9.03            | 21.52                           | 22.20 | 21.96 | 22.47        |
|                                           | 2 TX Slots | 28.53        | 28.85        | 28.28        | 29.00   | -6.02            | 22.51                           | 22.83 | 22.26 | 22.98        |
|                                           | 3 TX Slots | 26.59        | 26.32        | 26.33        | 27.00   | -4.26            | 22.33                           | 22.06 | 22.07 | 22.74        |
|                                           | 4 TX Slots | <b>25.57</b> | <b>25.63</b> | <b>25.35</b> | 26.00   | -3.01            | 22.56                           | 22.62 | 22.34 | <b>22.99</b> |
| EGPRS (8PSK)                              | 1 TX Slot  | 24.93        | 24.87        | 24.97        | 26.00   | -9.03            | 15.90                           | 15.84 | 15.94 | 16.97        |
|                                           | 2 TX Slots | 23.05        | 22.88        | 22.79        | 24.00   | -6.02            | 17.03                           | 16.86 | 16.77 | 17.98        |
|                                           | 3 TX Slots | 20.98        | 20.96        | 21.07        | 22.00   | -4.26            | 16.72                           | 16.70 | 16.81 | 17.74        |
|                                           | 4 TX Slots | 19.36        | 19.08        | 19.31        | 20.50   | -3.01            | 16.35                           | 16.07 | 16.30 | 17.49        |
| GSM 850 Ant11 (Simultaneous transmission) |            |              |              |              |         |                  |                                 |       |       |              |
| 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        | 29.12        | 29.11        | 29.18        | 29.50   | -9.03            | 20.09                           | 20.08 | 20.15 | 20.47        |
| GPRS/EGPRS (GMSK)                         | 1 TX Slot  | 29.07        | 29.36        | 29.27        | 29.50   | -9.03            | 20.04                           | 20.33 | 20.24 | 20.47        |
|                                           | 2 TX Slots | 26.66        | 26.63        | 26.68        | 27.00   | -6.02            | 20.64                           | 20.61 | 20.66 | 20.98        |
|                                           | 3 TX Slots | 24.38        | 24.36        | 24.30        | 25.00   | -4.26            | 20.12                           | 20.10 | 20.04 | 20.74        |
|                                           | 4 TX Slots | 23.51        | 23.62        | 23.69        | 24.00   | -3.01            | 20.50                           | 20.61 | 20.68 | 20.99        |
| EGPRS (8PSK)                              | 1 TX Slot  | 22.84        | 22.35        | 22.86        | 24.00   | -9.03            | 13.81                           | 13.32 | 13.83 | 14.97        |
|                                           | 2 TX Slots | 20.81        | 20.49        | 20.74        | 22.00   | -6.02            | 14.79                           | 14.47 | 14.72 | 15.98        |
|                                           | 3 TX Slots | 18.86        | 18.78        | 18.80        | 20.00   | -4.26            | 14.60                           | 14.52 | 14.54 | 15.74        |
|                                           | 4 TX Slots | 17.68        | 17.77        | 17.94        | 18.50   | -3.01            | 14.67                           | 14.76 | 14.93 | 15.49        |

| GSM 1900 Ant8           |            |              |              |              |         |                  |                                 |       |       |              |
|-------------------------|------------|--------------|--------------|--------------|---------|------------------|---------------------------------|-------|-------|--------------|
| Burst Output Power(dBm) |            |              |              |              |         | Division Factors | Frame-Average Output Power(dBm) |       |       |              |
| Channel                 |            | 512          | 661          | 810          | Tune up |                  | 512                             | 661   | 810   | Tune up      |
| GSM(GMSK)               | GSM        | 29.75        | 29.80        | 29.85        | 30.50   | -9.03            | 20.72                           | 20.77 | 20.82 | 21.47        |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 30.01        | 29.82        | 29.76        | 30.50   | -9.03            | 20.98                           | 20.79 | 20.73 | 21.47        |
|                         | 2 TX Slots | 27.13        | 27.10        | 27.16        | 28.00   | -6.02            | 21.11                           | 21.08 | 21.14 | 21.98        |
|                         | 3 TX Slots | 25.66        | 25.59        | 25.07        | 26.00   | -4.26            | 21.40                           | 21.33 | 20.81 | 21.74        |
|                         | 4 TX Slots | <b>24.20</b> | <b>23.95</b> | <b>23.81</b> | 25.00   | -3.01            | 21.19                           | 20.94 | 20.80 | <b>21.99</b> |
| EGPRS (8PSK)            | 1 TX Slot  | 25.05        | 25.24        | 25.66        | 26.00   | -9.03            | 16.02                           | 16.21 | 16.63 | 16.97        |
|                         | 2 TX Slots | 23.30        | 23.31        | 22.98        | 24.00   | -6.02            | 17.28                           | 17.29 | 16.96 | 17.98        |
|                         | 3 TX Slots | 21.36        | 21.62        | 21.36        | 22.00   | -4.26            | 17.10                           | 17.36 | 17.10 | 17.74        |
|                         | 4 TX Slots | 19.96        | 19.86        | 19.49        | 20.50   | -3.01            | 16.95                           | 16.85 | 16.48 | 17.49        |

| GSM 1900 Ant10                             |            |              |              |              |         |                  |                                 |       |       |              |
|--------------------------------------------|------------|--------------|--------------|--------------|---------|------------------|---------------------------------|-------|-------|--------------|
| 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        | 27.78        | 28.05        | 28.08        | 28.50   | -9.03            | 18.75                           | 19.02 | 19.05 | 19.47        |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 27.80        | 28.03        | 28.09        | 28.50   | -9.03            | 18.77                           | 19.00 | 19.06 | 19.47        |
|                                            | 2 TX Slots | 25.37        | 25.43        | 25.43        | 26.00   | -6.02            | 19.35                           | 19.41 | 19.41 | 19.98        |
|                                            | 3 TX Slots | 23.15        | 23.72        | 23.23        | 24.00   | -4.26            | 18.89                           | 19.46 | 18.97 | 19.74        |
|                                            | 4 TX Slots | <b>21.89</b> | <b>22.08</b> | <b>21.75</b> | 23.00   | -3.01            | 18.88                           | 19.07 | 18.74 | <b>19.99</b> |
| EGPRS (8PSK)                               | 1 TX Slot  | 23.25        | 23.34        | 23.46        | 24.00   | -9.03            | 14.22                           | 14.31 | 14.43 | 14.97        |
|                                            | 2 TX Slots | 21.49        | 21.19        | 21.59        | 22.00   | -6.02            | 15.47                           | 15.17 | 15.57 | 15.98        |
|                                            | 3 TX Slots | 19.80        | 19.56        | 19.90        | 21.00   | -4.26            | 15.54                           | 15.30 | 15.64 | 16.74        |
|                                            | 4 TX Slots | 18.27        | 18.14        | 18.34        | 19.50   | -3.01            | 15.26                           | 15.13 | 15.33 | 16.49        |
| GSM 1900 Ant10 (Simultaneous transmission) |            |              |              |              |         |                  |                                 |       |       |              |
| 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        | 24.63        | 25.31        | 25.46        | 26.50   | -9.03            | 15.60                           | 16.28 | 16.43 | 17.47        |
| GPRS/EGPRS (GMSK)                          | 1 TX Slot  | 25.68        | 25.56        | 25.55        | 26.50   | -9.03            | 16.65                           | 16.53 | 16.52 | 17.47        |
|                                            | 2 TX Slots | 22.32        | 23.06        | 22.90        | 24.00   | -6.02            | 16.30                           | 17.04 | 16.88 | 17.98        |
|                                            | 3 TX Slots | 21.47        | 21.61        | 21.74        | 22.00   | -4.26            | 17.21                           | 17.35 | 17.48 | 17.74        |
|                                            | 4 TX Slots | 19.05        | 19.93        | 19.86        | 21.00   | -3.01            | 16.04                           | 16.92 | 16.85 | 17.99        |
| EGPRS (8PSK)                               | 1 TX Slot  | 20.28        | 21.24        | 21.02        | 22.00   | -9.03            | 11.25                           | 12.21 | 11.99 | 12.97        |
|                                            | 2 TX Slots | 18.24        | 19.25        | 18.95        | 20.00   | -6.02            | 12.22                           | 13.23 | 12.93 | 13.98        |
|                                            | 3 TX Slots | 17.03        | 17.44        | 17.35        | 19.00   | -4.26            | 12.77                           | 13.18 | 13.09 | 14.74        |
|                                            | 4 TX Slots | 15.57        | 16.18        | 15.90        | 17.50   | -3.01            | 12.56                           | 13.17 | 12.89 | 14.49        |

## 1.2 Conducted Power of WCDMA

| WCDMA Band II Ant8           |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>23.76</b> | <b>23.71</b> | <b>23.80</b> | 24.00   |
|                              | 12.2kbps AMR | 23.76        | 23.70        | 23.69        | 24.00   |
| HSDPA                        | Subtest 1    | 22.52        | 22.46        | 22.47        | 23.00   |
|                              | Subtest 2    | 22.46        | 22.46        | 22.40        | 23.00   |
|                              | Subtest 3    | 22.13        | 22.12        | 22.04        | 22.50   |
|                              | Subtest 4    | 22.05        | 22.13        | 22.05        | 22.50   |
| HSUPA                        | Subtest 1    | 22.43        | 22.29        | 22.30        | 23.00   |
|                              | Subtest 2    | 20.37        | 20.43        | 20.38        | 21.00   |
|                              | Subtest 3    | 21.39        | 21.44        | 21.40        | 22.00   |
|                              | Subtest 4    | 20.44        | 20.48        | 20.46        | 21.00   |
|                              | Subtest 5    | 22.31        | 22.28        | 22.31        | 23.00   |
| DC-HSDPA                     | Subtest 1    | 22.50        | 22.48        | 22.43        | 23.00   |
|                              | Subtest 2    | 22.44        | 22.45        | 22.38        | 23.00   |
|                              | Subtest 3    | 22.13        | 22.13        | 22.04        | 22.50   |
|                              | Subtest 4    | 22.06        | 22.12        | 22.04        | 22.50   |
| HSPA+                        | 16QAM        | 21.35        | 21.24        | 21.29        | 22.00   |

| WCDMA Band II Ant10          |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 9262         | 9400         | 9538         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>19.95</b> | <b>19.87</b> | <b>19.82</b> | 20.50   |
|                              | 12.2kbps AMR | 19.88        | 19.79        | 19.74        | 20.50   |
| HSDPA                        | Subtest 1    | 18.80        | 18.74        | 18.72        | 19.50   |
|                              | Subtest 2    | 18.77        | 18.70        | 18.71        | 19.50   |
|                              | Subtest 3    | 18.36        | 18.38        | 18.40        | 19.00   |
|                              | Subtest 4    | 18.34        | 18.38        | 18.41        | 19.00   |
| HSUPA                        | Subtest 1    | 18.58        | 18.59        | 18.54        | 19.50   |
|                              | Subtest 2    | 16.71        | 16.71        | 16.65        | 17.50   |
|                              | Subtest 3    | 17.69        | 17.68        | 17.71        | 18.50   |
|                              | Subtest 4    | 16.70        | 16.67        | 16.72        | 17.50   |
|                              | Subtest 5    | 18.59        | 18.58        | 18.47        | 19.50   |
| DC-HSDPA                     | Subtest 1    | 18.81        | 18.70        | 18.71        | 19.50   |
|                              | Subtest 2    | 18.72        | 18.65        | 18.68        | 19.50   |
|                              | Subtest 3    | 18.35        | 18.37        | 18.35        | 19.00   |
|                              | Subtest 4    | 18.35        | 18.34        | 18.37        | 19.00   |
| HSPA+                        | 16QAM        | 17.58        | 17.53        | 17.53        | 18.50   |

  

| WCDMA Band II Ant10 (Simultaneous transmission) |              |       |       |       |         |
|-------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                    |              |       |       |       |         |
| Channel                                         |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                                           | 12.2kbps RMC | 18.75 | 18.74 | 18.41 | 19.50   |
|                                                 | 12.2kbps AMR | 18.58 | 18.63 | 18.51 | 19.50   |
| HSDPA                                           | Subtest 1    | 17.79 | 17.69 | 17.75 | 18.50   |
|                                                 | Subtest 2    | 17.75 | 17.65 | 17.70 | 18.50   |
|                                                 | Subtest 3    | 17.32 | 17.41 | 17.35 | 18.00   |
|                                                 | Subtest 4    | 17.33 | 17.34 | 17.42 | 18.00   |
| HSUPA                                           | Subtest 1    | 17.61 | 17.64 | 17.59 | 18.50   |
|                                                 | Subtest 2    | 15.67 | 15.66 | 15.60 | 16.50   |
|                                                 | Subtest 3    | 16.66 | 16.71 | 16.73 | 17.50   |
|                                                 | Subtest 4    | 15.74 | 15.70 | 15.77 | 16.50   |
|                                                 | Subtest 5    | 17.60 | 17.53 | 17.52 | 18.50   |
| DC-HSDPA                                        | Subtest 1    | 17.79 | 17.71 | 17.73 | 18.50   |
|                                                 | Subtest 2    | 17.75 | 17.60 | 17.64 | 18.50   |
|                                                 | Subtest 3    | 17.32 | 17.38 | 17.40 | 18.00   |
|                                                 | Subtest 4    | 17.32 | 17.37 | 17.41 | 18.00   |
| HSPA+                                           | 16QAM        | 16.60 | 16.57 | 16.54 | 17.50   |

| WCDMA Band IV Ant8           |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>24.66</b> | <b>24.73</b> | <b>24.65</b> | 25.00   |
|                              | 12.2kbps AMR | 24.54        | 24.70        | 24.65        | 25.00   |
| HSDPA                        | Subtest 1    | 23.66        | 23.70        | 23.68        | 24.00   |
|                              | Subtest 2    | 23.63        | 23.66        | 23.64        | 24.00   |
|                              | Subtest 3    | 23.15        | 23.20        | 23.17        | 23.50   |
|                              | Subtest 4    | 23.13        | 23.18        | 23.14        | 23.50   |
| HSUPA                        | Subtest 1    | 23.25        | 23.33        | 23.22        | 24.00   |
|                              | Subtest 2    | 21.22        | 21.30        | 21.20        | 22.00   |
|                              | Subtest 3    | 22.20        | 22.26        | 22.17        | 23.00   |
|                              | Subtest 4    | 21.26        | 21.27        | 21.15        | 22.00   |
|                              | Subtest 5    | 23.30        | 23.35        | 23.27        | 24.00   |
| DC-HSDPA                     | Subtest 1    | 23.63        | 23.71        | 23.64        | 24.00   |
|                              | Subtest 2    | 23.57        | 23.64        | 23.61        | 24.00   |
|                              | Subtest 3    | 23.12        | 23.18        | 23.14        | 23.50   |
|                              | Subtest 4    | 23.09        | 23.19        | 23.13        | 23.50   |
| HSPA+                        | 16QAM        | 22.10        | 22.14        | 22.11        | 23.00   |

| WCDMA Band IV Ant10          |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 1312         | 1412         | 1513         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>19.74</b> | <b>19.75</b> | <b>19.72</b> | 20.00   |
|                              | 12.2kbps AMR | 19.67        | 19.65        | 19.66        | 20.00   |
| HSDPA                        | Subtest 1    | 18.62        | 18.68        | 18.73        | 19.00   |
|                              | Subtest 2    | 18.58        | 18.60        | 18.62        | 19.00   |
|                              | Subtest 3    | 18.15        | 18.20        | 18.15        | 18.50   |
|                              | Subtest 4    | 18.18        | 18.18        | 18.11        | 18.50   |
| HSUPA                        | Subtest 1    | 18.29        | 18.28        | 18.27        | 19.00   |
|                              | Subtest 2    | 16.23        | 16.29        | 16.16        | 17.00   |
|                              | Subtest 3    | 17.22        | 17.31        | 17.14        | 18.00   |
|                              | Subtest 4    | 16.30        | 16.30        | 16.19        | 17.00   |
|                              | Subtest 5    | 18.27        | 18.33        | 18.24        | 19.00   |
| DC-HSDPA                     | Subtest 1    | 18.59        | 18.76        | 18.67        | 19.00   |
|                              | Subtest 2    | 18.52        | 18.62        | 18.60        | 19.00   |
|                              | Subtest 3    | 18.07        | 18.17        | 18.09        | 18.50   |
|                              | Subtest 4    | 18.06        | 18.17        | 18.08        | 18.50   |
| HSPA+                        | 16QAM        | 17.15        | 17.11        | 17.16        | 18.00   |

| WCDMA Band IV Ant10 (Simultaneous transmission) |              |       |       |       |         |
|-------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                    |              |       |       |       |         |
| Channel                                         |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                                           | 12.2kbps RMC | 18.12 | 18.24 | 18.30 | 19.00   |
|                                                 | 12.2kbps AMR | 18.05 | 18.17 | 18.20 | 19.00   |
| HSDPA                                           | Subtest 1    | 17.16 | 17.15 | 17.19 | 18.00   |
|                                                 | Subtest 2    | 17.12 | 17.05 | 17.14 | 18.00   |
|                                                 | Subtest 3    | 16.60 | 16.75 | 16.60 | 17.50   |
|                                                 | Subtest 4    | 16.71 | 16.67 | 16.63 | 17.50   |
| HSUPA                                           | Subtest 1    | 16.76 | 16.73 | 16.79 | 18.00   |
|                                                 | Subtest 2    | 14.77 | 14.78 | 14.61 | 16.00   |
|                                                 | Subtest 3    | 15.75 | 15.86 | 15.62 | 17.00   |
|                                                 | Subtest 4    | 14.82 | 14.85 | 14.72 | 16.00   |
|                                                 | Subtest 5    | 16.76 | 16.88 | 16.74 | 18.00   |
| DC-HSDPA                                        | Subtest 1    | 17.09 | 17.25 | 17.17 | 18.00   |
|                                                 | Subtest 2    | 17.02 | 17.11 | 17.10 | 18.00   |
|                                                 | Subtest 3    | 16.60 | 16.65 | 16.59 | 17.50   |
|                                                 | Subtest 4    | 16.57 | 16.72 | 16.63 | 17.50   |
| HSPA+                                           | 16QAM        | 15.65 | 15.57 | 15.65 | 17.00   |

| WCDMA Band V Ant3            |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>24.16</b> | <b>24.23</b> | <b>24.19</b> | 24.50   |
|                              | 12.2kbps AMR | 24.16        | 24.21        | 24.20        | 24.50   |
| HSDPA                        | Subtest 1    | 23.07        | 23.12        | 23.06        | 23.50   |
|                              | Subtest 2    | 23.00        | 23.06        | 22.99        | 23.50   |
|                              | Subtest 3    | 22.54        | 22.62        | 22.58        | 23.00   |
|                              | Subtest 4    | 22.53        | 22.55        | 22.49        | 23.00   |
| HSUPA                        | Subtest 1    | 22.60        | 22.68        | 22.67        | 23.50   |
|                              | Subtest 2    | 20.60        | 20.72        | 20.64        | 21.50   |
|                              | Subtest 3    | 21.55        | 21.70        | 21.60        | 22.50   |
|                              | Subtest 4    | 20.61        | 20.71        | 20.59        | 21.50   |
|                              | Subtest 5    | 22.74        | 22.77        | 22.64        | 23.50   |
| DC-HSDPA                     | Subtest 1    | 23.08        | 23.14        | 23.05        | 23.50   |
|                              | Subtest 2    | 22.98        | 23.05        | 22.98        | 23.50   |
|                              | Subtest 3    | 22.48        | 22.60        | 22.49        | 23.00   |
|                              | Subtest 4    | 22.48        | 22.63        | 22.57        | 23.00   |
| HSPA+                        | 16QAM        | 21.48        | 21.55        | 21.55        | 22.50   |

| WCDMA Band V Ant11           |              |              |              |              |         |
|------------------------------|--------------|--------------|--------------|--------------|---------|
| Average Conducted Power(dBm) |              |              |              |              |         |
| Channel                      |              | 4132         | 4182         | 4233         | Tune up |
| WCDMA                        | 12.2kbps RMC | <b>24.09</b> | <b>23.89</b> | <b>23.95</b> | 24.50   |
|                              | 12.2kbps AMR | 24.09        | 23.85        | 23.91        | 24.50   |
| HSDPA                        | Subtest 1    | 22.89        | 22.95        | 22.86        | 23.50   |
|                              | Subtest 2    | 22.82        | 22.91        | 22.83        | 23.50   |
|                              | Subtest 3    | 22.29        | 22.44        | 22.38        | 23.00   |
|                              | Subtest 4    | 22.34        | 22.34        | 22.25        | 23.00   |
| HSUPA                        | Subtest 1    | 22.40        | 22.53        | 22.50        | 23.50   |
|                              | Subtest 2    | 20.40        | 20.53        | 20.40        | 21.50   |
|                              | Subtest 3    | 21.33        | 21.54        | 21.42        | 22.50   |
|                              | Subtest 4    | 20.38        | 20.51        | 20.40        | 21.50   |
|                              | Subtest 5    | 22.55        | 22.55        | 22.49        | 23.50   |
| DC-HSDPA                     | Subtest 1    | 22.90        | 22.89        | 22.81        | 23.50   |
|                              | Subtest 2    | 22.73        | 22.81        | 22.77        | 23.50   |
|                              | Subtest 3    | 22.29        | 22.36        | 22.29        | 23.00   |
|                              | Subtest 4    | 22.24        | 22.42        | 22.34        | 23.00   |
| HSPA+                        | 16QAM        | 21.26        | 21.30        | 21.39        | 22.50   |

| WCDMA Band V Ant11 (Simultaneous transmission) |              |       |       |       |         |
|------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                   |              |       |       |       |         |
| Channel                                        |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                                          | 12.2kbps RMC | 20.52 | 20.47 | 20.43 | 21.50   |
|                                                | 12.2kbps AMR | 20.48 | 20.48 | 20.40 | 21.50   |
| HSDPA                                          | Subtest 1    | 19.44 | 19.41 | 19.40 | 20.50   |
|                                                | Subtest 2    | 19.30 | 19.35 | 19.34 | 20.50   |
|                                                | Subtest 3    | 18.80 | 18.96 | 18.86 | 20.00   |
|                                                | Subtest 4    | 18.83 | 18.84 | 18.76 | 20.00   |
| HSUPA                                          | Subtest 1    | 18.91 | 18.98 | 19.03 | 20.50   |
|                                                | Subtest 2    | 16.86 | 17.08 | 16.95 | 18.50   |
|                                                | Subtest 3    | 17.83 | 18.07 | 17.97 | 19.50   |
|                                                | Subtest 4    | 16.93 | 17.03 | 16.86 | 18.50   |
|                                                | Subtest 5    | 19.02 | 19.03 | 19.03 | 20.50   |
| DC-HSDPA                                       | Subtest 1    | 19.36 | 19.42 | 19.33 | 20.50   |
|                                                | Subtest 2    | 19.19 | 19.26 | 19.32 | 20.50   |
|                                                | Subtest 3    | 18.77 | 18.81 | 18.82 | 20.00   |
|                                                | Subtest 4    | 18.74 | 18.92 | 18.79 | 20.00   |
| HSPA+                                          | 16QAM        | 17.80 | 17.83 | 17.85 | 19.50   |

### 1.3 Conducted Power of LTE Ant0

| LTE Band 42 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz        | QPSK       | 1       | 0         | 20.39                | 20.53   | 20.54   | 21.50   |
|             |            | 1       | 13        | 20.59                | 20.65   | 20.70   | 21.50   |
|             |            | 1       | 24        | 20.76                | 20.77   | 20.85   | 21.50   |
|             |            | 12      | 0         | 19.95                | 19.91   | 19.83   | 20.50   |
|             |            | 12      | 6         | 19.99                | 20.05   | 20.06   | 20.50   |
|             |            | 12      | 13        | 19.96                | 19.98   | 20.15   | 20.50   |
|             |            | 25      | 0         | 20.02                | 19.98   | 19.86   | 20.50   |
|             | 16QAM      | 1       | 0         | 20.03                | 20.08   | 20.12   | 20.50   |
|             |            | 1       | 13        | 20.05                | 20.29   | 20.26   | 20.50   |
|             |            | 1       | 24        | 20.39                | 20.19   | 20.26   | 20.50   |
|             |            | 12      | 0         | 18.90                | 19.00   | 19.02   | 19.50   |
|             |            | 12      | 6         | 19.30                | 19.28   | 19.23   | 19.50   |
|             |            | 12      | 13        | 19.27                | 19.14   | 19.20   | 19.50   |
|             |            | 25      | 0         | 19.13                | 18.96   | 19.13   | 19.50   |
|             | 64QAM      | 1       | 0         | 19.14                | 19.21   | 19.10   | 19.50   |
|             |            | 1       | 13        | 19.30                | 19.31   | 19.21   | 19.50   |
|             |            | 1       | 24        | 19.41                | 19.29   | 19.47   | 19.50   |
|             |            | 12      | 0         | 18.05                | 18.05   | 18.13   | 18.50   |
|             |            | 12      | 6         | 18.14                | 18.21   | 18.27   | 18.50   |
|             |            | 12      | 13        | 18.27                | 18.33   | 18.37   | 18.50   |
|             |            | 25      | 0         | 18.29                | 18.43   | 18.27   | 18.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 42140                | 42590   | 43040   |         |
| 10MHz       | QPSK       | 1       | 0         | 20.29                | 20.59   | 20.60   | 21.50   |
|             |            | 1       | 25        | 20.68                | 20.75   | 20.75   | 21.50   |
|             |            | 1       | 49        | 20.73                | 20.83   | 20.90   | 21.50   |
|             |            | 25      | 0         | 19.88                | 19.97   | 19.84   | 20.50   |
|             |            | 25      | 13        | 19.93                | 19.91   | 20.10   | 20.50   |
|             |            | 25      | 25        | 20.06                | 20.04   | 20.15   | 20.50   |
|             |            | 50      | 0         | 20.02                | 19.94   | 19.98   | 20.50   |
|             | 16QAM      | 1       | 0         | 20.09                | 20.11   | 20.06   | 20.50   |
|             |            | 1       | 25        | 20.16                | 20.26   | 20.15   | 20.50   |
|             |            | 1       | 49        | 20.37                | 20.34   | 20.38   | 20.50   |
|             |            | 25      | 0         | 18.82                | 18.96   | 19.10   | 19.50   |
|             |            | 25      | 13        | 19.25                | 19.28   | 19.20   | 19.50   |
|             |            | 25      | 25        | 19.20                | 19.21   | 19.32   | 19.50   |
|             |            | 50      | 0         | 19.13                | 18.95   | 19.09   | 19.50   |
|             | 64QAM      | 1       | 0         | 19.00                | 19.14   | 19.09   | 19.50   |
|             |            | 1       | 25        | 19.27                | 19.39   | 19.28   | 19.50   |
|             |            | 1       | 49        | 19.43                | 19.39   | 19.31   | 19.50   |
|             |            | 25      | 0         | 18.12                | 18.02   | 18.22   | 18.50   |
|             |            | 25      | 13        | 18.16                | 18.25   | 18.29   | 18.50   |
|             |            | 25      | 25        | 18.22                | 18.44   | 18.36   | 18.50   |
|             |            | 50      | 0         | 18.22                | 18.39   | 18.28   | 18.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 42165        | 42590        | 43015        |         |
| 15MHz     | QPSK       | 1       | 0         | 20.32        | 20.52        | 20.64        | 21.50   |
|           |            | 1       | 38        | 20.62        | 20.75        | 20.74        | 21.50   |
|           |            | 1       | 74        | 20.70        | 20.80        | 20.84        | 21.50   |
|           |            | 36      | 0         | 19.79        | 20.01        | 19.90        | 20.50   |
|           |            | 36      | 18        | 19.88        | 20.02        | 20.05        | 20.50   |
|           |            | 36      | 39        | 20.10        | 20.00        | 20.11        | 20.50   |
|           |            | 75      | 0         | 19.95        | 19.86        | 19.94        | 20.50   |
|           | 16QAM      | 1       | 0         | 19.94        | 20.07        | 20.12        | 20.50   |
|           |            | 1       | 38        | 20.14        | 20.22        | 20.25        | 20.50   |
|           |            | 1       | 74        | 20.27        | 20.26        | 20.39        | 20.50   |
|           |            | 36      | 0         | 18.90        | 19.05        | 19.05        | 19.50   |
|           |            | 36      | 18        | 19.21        | 19.19        | 19.21        | 19.50   |
|           |            | 36      | 39        | 19.29        | 19.19        | 19.30        | 19.50   |
|           |            | 75      | 0         | 19.17        | 18.96        | 19.02        | 19.50   |
|           | 64QAM      | 1       | 0         | 19.12        | 19.14        | 19.16        | 19.50   |
|           |            | 1       | 38        | 19.30        | 19.33        | 19.28        | 19.50   |
|           |            | 1       | 74        | 19.40        | 19.35        | 19.42        | 19.50   |
|           |            | 36      | 0         | 17.98        | 18.03        | 18.17        | 18.50   |
|           |            | 36      | 18        | 18.31        | 18.27        | 18.25        | 18.50   |
|           |            | 36      | 39        | 18.36        | 18.39        | 18.39        | 18.50   |
|           |            | 75      | 0         | 18.34        | 18.35        | 18.33        | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 42190        | 42590        | 42990        |         |
| 20MHz     | QPSK       | 1       | 0         | 20.41        | 20.60        | 20.66        | 21.50   |
|           |            | 1       | 50        | 20.65        | 20.73        | 20.75        | 21.50   |
|           |            | 1       | 99        | <b>20.81</b> | <b>20.88</b> | <b>20.95</b> | 21.50   |
|           |            | 50      | 0         | 19.91        | 20.01        | 19.87        | 20.50   |
|           |            | 50      | 25        | 19.96        | 20.00        | 20.08        | 20.50   |
|           |            | 50      | 50        | 20.05        | 20.10        | <b>20.12</b> | 20.50   |
|           |            | 100     | 0         | 20.00        | 19.96        | 19.96        | 20.50   |
|           | 16QAM      | 1       | 0         | 20.06        | 20.09        | 20.13        | 20.50   |
|           |            | 1       | 50        | 20.16        | 20.31        | 20.26        | 20.50   |
|           |            | 1       | 99        | 20.35        | 20.30        | 20.37        | 20.50   |
|           |            | 50      | 0         | 18.93        | 19.08        | 19.05        | 19.50   |
|           |            | 50      | 25        | 19.25        | 19.23        | 19.25        | 19.50   |
|           |            | 50      | 50        | 19.30        | 19.22        | 19.28        | 19.50   |
|           |            | 100     | 0         | 19.12        | 18.99        | 19.10        | 19.50   |
|           | 64QAM      | 1       | 0         | 19.09        | 19.19        | 19.14        | 19.50   |
|           |            | 1       | 50        | 19.25        | 19.36        | 19.31        | 19.50   |
|           |            | 1       | 99        | 19.41        | 19.39        | 19.42        | 19.50   |
|           |            | 50      | 0         | 18.10        | 18.13        | 18.21        | 18.50   |
|           |            | 50      | 25        | 18.26        | 18.30        | 18.32        | 18.50   |
|           |            | 50      | 50        | 18.34        | 18.45        | 18.42        | 18.50   |
|           |            | 100     | 0         | 18.33        | 18.38        | 18.37        | 18.50   |

## 1.4 Conducted Power of LTE Ant1

| 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         | 24.21                | 24.01   | 23.96   | 24.50   |
|             |            | 1       | 2         | 24.01                | 23.96   | 23.87   | 24.50   |
|             |            | 1       | 5         | 24.11                | 23.89   | 23.95   | 24.50   |
|             |            | 3       | 0         | 24.20                | 23.89   | 23.89   | 24.50   |
|             |            | 3       | 1         | 24.11                | 24.01   | 23.92   | 24.50   |
|             |            | 3       | 3         | 23.98                | 23.97   | 23.98   | 24.50   |
|             |            | 6       | 0         | 22.94                | 22.95   | 22.90   | 23.50   |
|             | 16QAM      | 1       | 0         | 23.09                | 22.99   | 23.14   | 23.50   |
|             |            | 1       | 2         | 23.43                | 23.34   | 23.32   | 23.50   |
|             |            | 1       | 5         | 23.20                | 23.03   | 23.17   | 23.50   |
|             |            | 3       | 0         | 23.17                | 23.10   | 23.16   | 23.50   |
|             |            | 3       | 1         | 23.30                | 23.25   | 23.22   | 23.50   |
|             |            | 3       | 3         | 23.20                | 23.14   | 23.11   | 23.50   |
|             |            | 6       | 0         | 22.01                | 22.00   | 22.07   | 22.50   |
|             | 64QAM      | 1       | 0         | 22.05                | 22.00   | 21.99   | 22.50   |
|             |            | 1       | 2         | 22.31                | 22.28   | 22.22   | 22.50   |
|             |            | 1       | 5         | 22.11                | 22.12   | 22.00   | 22.50   |
|             |            | 3       | 0         | 22.08                | 22.01   | 22.02   | 22.50   |
|             |            | 3       | 1         | 22.28                | 22.18   | 22.29   | 22.50   |
|             |            | 3       | 3         | 22.16                | 22.15   | 22.00   | 22.50   |
|             |            | 6       | 0         | 21.05                | 20.92   | 20.98   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 131987               | 132322  | 132657  |         |
| 3MHz        | QPSK       | 1       | 0         | 24.19                | 24.02   | 23.89   | 24.50   |
|             |            | 1       | 7         | 24.09                | 23.93   | 23.88   | 24.50   |
|             |            | 1       | 14        | 23.99                | 23.90   | 23.95   | 24.50   |
|             |            | 8       | 0         | 23.01                | 22.79   | 22.88   | 23.50   |
|             |            | 8       | 4         | 23.04                | 23.01   | 22.95   | 23.50   |
|             |            | 8       | 7         | 22.98                | 22.98   | 23.04   | 23.50   |
|             |            | 15      | 0         | 23.06                | 22.98   | 22.89   | 23.50   |
|             | 16QAM      | 1       | 0         | 23.07                | 23.06   | 23.01   | 23.50   |
|             |            | 1       | 7         | 23.37                | 23.24   | 23.26   | 23.50   |
|             |            | 1       | 14        | 23.16                | 23.03   | 23.14   | 23.50   |
|             |            | 8       | 0         | 21.98                | 21.91   | 21.99   | 22.50   |
|             |            | 8       | 4         | 22.10                | 22.01   | 21.93   | 22.50   |
|             |            | 8       | 7         | 22.13                | 21.95   | 22.11   | 22.50   |
|             |            | 15      | 0         | 22.12                | 21.96   | 22.01   | 22.50   |
|             | 64QAM      | 1       | 0         | 22.05                | 21.97   | 21.97   | 22.50   |
|             |            | 1       | 7         | 22.19                | 22.29   | 22.21   | 22.50   |
|             |            | 1       | 14        | 22.10                | 22.14   | 21.96   | 22.50   |
|             |            | 8       | 0         | 20.87                | 20.85   | 20.91   | 21.50   |
|             |            | 8       | 4         | 21.07                | 21.03   | 21.03   | 21.50   |
|             |            | 8       | 7         | 21.07                | 20.94   | 20.94   | 21.50   |
|             |            | 15      | 0         | 21.02                | 20.98   | 20.96   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 131997  | 132322  | 132647  |         |
| 5MHz      | QPSK       | 1       | 0         | 24.15   | 23.92   | 23.88   | 24.50   |
|           |            | 1       | 13        | 24.13   | 23.89   | 23.94   | 24.50   |
|           |            | 1       | 24        | 24.01   | 23.87   | 23.96   | 24.50   |
|           |            | 12      | 0         | 23.03   | 22.90   | 22.79   | 23.50   |
|           |            | 12      | 6         | 23.02   | 22.96   | 22.94   | 23.50   |
|           |            | 12      | 13        | 23.03   | 22.95   | 23.09   | 23.50   |
|           |            | 25      | 0         | 23.07   | 22.98   | 23.01   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.20   | 23.07   | 23.01   | 23.50   |
|           |            | 1       | 13        | 23.35   | 23.25   | 23.22   | 23.50   |
|           |            | 1       | 24        | 23.27   | 23.02   | 23.12   | 23.50   |
|           |            | 12      | 0         | 22.03   | 22.00   | 21.96   | 22.50   |
|           |            | 12      | 6         | 22.11   | 21.90   | 21.88   | 22.50   |
|           |            | 12      | 13        | 22.09   | 22.07   | 22.05   | 22.50   |
|           |            | 25      | 0         | 22.13   | 21.94   | 22.02   | 22.50   |
|           | 64QAM      | 1       | 0         | 22.03   | 21.90   | 21.91   | 22.50   |
|           |            | 1       | 13        | 22.21   | 22.19   | 22.20   | 22.50   |
|           |            | 1       | 24        | 22.09   | 22.15   | 22.02   | 22.50   |
|           |            | 12      | 0         | 20.90   | 20.87   | 20.89   | 21.50   |
|           |            | 12      | 6         | 20.98   | 21.07   | 21.00   | 21.50   |
|           |            | 12      | 13        | 21.04   | 21.05   | 20.86   | 21.50   |
|           |            | 25      | 0         | 21.05   | 20.94   | 20.98   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132022  | 132322  | 132622  |         |
| 10MHz     | QPSK       | 1       | 0         | 24.20   | 23.99   | 23.89   | 24.50   |
|           |            | 1       | 25        | 24.06   | 24.03   | 23.93   | 24.50   |
|           |            | 1       | 49        | 24.10   | 23.93   | 23.90   | 24.50   |
|           |            | 25      | 0         | 22.90   | 22.84   | 22.90   | 23.50   |
|           |            | 25      | 13        | 22.99   | 22.95   | 22.98   | 23.50   |
|           |            | 25      | 25        | 22.95   | 23.05   | 23.08   | 23.50   |
|           |            | 50      | 0         | 23.04   | 23.00   | 22.95   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.12   | 23.11   | 23.14   | 23.50   |
|           |            | 1       | 25        | 23.33   | 23.25   | 23.32   | 23.50   |
|           |            | 1       | 49        | 23.15   | 23.09   | 23.20   | 23.50   |
|           |            | 25      | 0         | 22.01   | 21.92   | 21.99   | 22.50   |
|           |            | 25      | 13        | 21.96   | 21.95   | 21.92   | 22.50   |
|           |            | 25      | 25        | 22.02   | 21.97   | 22.03   | 22.50   |
|           |            | 50      | 0         | 22.07   | 22.00   | 21.98   | 22.50   |
|           | 64QAM      | 1       | 0         | 22.09   | 21.91   | 22.00   | 22.50   |
|           |            | 1       | 25        | 22.24   | 22.22   | 22.26   | 22.50   |
|           |            | 1       | 49        | 22.14   | 22.09   | 21.94   | 22.50   |
|           |            | 25      | 0         | 20.95   | 20.84   | 20.87   | 21.50   |
|           |            | 25      | 13        | 21.09   | 21.14   | 21.00   | 21.50   |
|           |            | 25      | 25        | 20.95   | 21.05   | 20.84   | 21.50   |
|           |            | 50      | 0         | 20.93   | 20.94   | 20.85   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 132047       | 132322       | 132597       |         |
| 15MHz     | QPSK       | 1       | 0         | 24.18        | 23.93        | 23.99        | 24.50   |
|           |            | 1       | 38        | 24.09        | 23.95        | 23.87        | 24.50   |
|           |            | 1       | 74        | 24.03        | 23.99        | 23.96        | 24.50   |
|           |            | 36      | 0         | 22.94        | 22.86        | 22.87        | 23.50   |
|           |            | 36      | 18        | 23.07        | 23.02        | 22.98        | 23.50   |
|           |            | 36      | 39        | 23.00        | 22.99        | 22.95        | 23.50   |
|           |            | 75      | 0         | 23.06        | 23.02        | 22.94        | 23.50   |
|           | 16QAM      | 1       | 0         | 23.06        | 23.11        | 23.15        | 23.50   |
|           |            | 1       | 38        | 23.34        | 23.36        | 23.19        | 23.50   |
|           |            | 1       | 74        | 23.14        | 23.04        | 23.15        | 23.50   |
|           |            | 36      | 0         | 21.92        | 21.95        | 21.93        | 22.50   |
|           |            | 36      | 18        | 22.09        | 21.94        | 21.92        | 22.50   |
|           |            | 36      | 39        | 22.13        | 22.00        | 22.03        | 22.50   |
|           |            | 75      | 0         | 22.05        | 21.99        | 21.94        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.99        | 21.98        | 21.97        | 22.50   |
|           |            | 1       | 38        | 22.33        | 22.30        | 22.31        | 22.50   |
|           |            | 1       | 74        | 22.16        | 22.16        | 21.94        | 22.50   |
|           |            | 36      | 0         | 20.89        | 20.76        | 20.94        | 21.50   |
|           |            | 36      | 18        | 21.08        | 21.03        | 20.98        | 21.50   |
|           |            | 36      | 39        | 20.98        | 20.97        | 20.92        | 21.50   |
|           |            | 75      | 0         | 20.94        | 21.06        | 20.93        | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 132072       | 132322       | 132572       |         |
| 20MHz     | QPSK       | 1       | 0         | <b>24.25</b> | <b>24.01</b> | <b>23.98</b> | 24.50   |
|           |            | 1       | 50        | 24.13        | 24.00        | 23.96        | 24.50   |
|           |            | 1       | 99        | 24.08        | 23.96        | 23.95        | 24.50   |
|           |            | 50      | 0         | 23.01        | 22.89        | 22.91        | 23.50   |
|           |            | 50      | 25        | <b>23.10</b> | 23.05        | 23.01        | 23.50   |
|           |            | 50      | 50        | 23.07        | 23.02        | 23.06        | 23.50   |
|           |            | 100     | 0         | 23.06        | 23.06        | 23.01        | 23.50   |
|           | 16QAM      | 1       | 0         | 23.17        | 23.08        | 23.13        | 23.50   |
|           |            | 1       | 50        | 23.41        | 23.35        | 23.30        | 23.50   |
|           |            | 1       | 99        | 23.26        | 23.14        | 23.23        | 23.50   |
|           |            | 50      | 0         | 22.04        | 21.99        | 21.98        | 22.50   |
|           |            | 50      | 25        | 22.08        | 21.99        | 21.99        | 22.50   |
|           |            | 50      | 50        | 22.10        | 22.05        | 22.09        | 22.50   |
|           |            | 100     | 0         | 22.11        | 22.04        | 22.06        | 22.50   |
|           | 64QAM      | 1       | 0         | 22.08        | 21.99        | 22.01        | 22.50   |
|           |            | 1       | 50        | 22.31        | 22.27        | 22.30        | 22.50   |
|           |            | 1       | 99        | 22.15        | 22.18        | 22.05        | 22.50   |
|           |            | 50      | 0         | 20.96        | 20.85        | 20.93        | 21.50   |
|           |            | 50      | 25        | 21.09        | 21.11        | 21.05        | 21.50   |
|           |            | 50      | 50        | 21.05        | 21.05        | 20.94        | 21.50   |
|           |            | 100     | 0         | 21.02        | 21.04        | 20.95        | 21.50   |

| LTE Band 41 Class3 |            |         |           | 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         | 22.13                | 22.34   | 22.36   | 22.38   | 22.02   | 23.50   |
|                    |            | 1       | 13        | 22.23                | 22.48   | 22.55   | 22.54   | 22.48   | 23.50   |
|                    |            | 1       | 24        | 22.67                | 22.63   | 22.64   | 22.64   | 22.65   | 23.50   |
|                    |            | 12      | 0         | 21.57                | 21.73   | 21.54   | 21.75   | 21.77   | 22.50   |
|                    |            | 12      | 6         | 21.55                | 21.78   | 21.72   | 21.65   | 21.79   | 22.50   |
|                    |            | 12      | 13        | 21.61                | 21.66   | 21.68   | 21.68   | 21.57   | 22.50   |
|                    |            | 25      | 0         | 21.77                | 21.63   | 21.66   | 21.80   | 21.77   | 22.50   |
|                    | 16QAM      | 1       | 0         | 21.42                | 21.32   | 21.37   | 21.35   | 21.39   | 22.50   |
|                    |            | 1       | 13        | 21.62                | 21.57   | 21.69   | 21.57   | 21.65   | 22.50   |
|                    |            | 1       | 24        | 21.76                | 21.71   | 21.81   | 21.68   | 21.70   | 22.50   |
|                    |            | 12      | 0         | 20.53                | 20.57   | 20.54   | 20.51   | 20.57   | 21.50   |
|                    |            | 12      | 6         | 20.79                | 20.72   | 20.70   | 20.78   | 20.71   | 21.50   |
|                    |            | 12      | 13        | 20.78                | 20.66   | 20.76   | 20.69   | 20.71   | 21.50   |
|                    |            | 25      | 0         | 20.77                | 20.78   | 20.63   | 20.62   | 20.62   | 21.50   |
|                    | 64QAM      | 1       | 0         | 20.40                | 20.40   | 20.49   | 20.47   | 20.38   | 21.50   |
|                    |            | 1       | 13        | 20.53                | 20.61   | 20.69   | 20.71   | 20.65   | 21.50   |
|                    |            | 1       | 24        | 20.69                | 20.59   | 20.62   | 20.46   | 20.57   | 21.50   |
|                    |            | 12      | 0         | 19.59                | 19.56   | 19.53   | 19.40   | 19.40   | 20.50   |
|                    |            | 12      | 6         | 19.72                | 19.70   | 19.77   | 19.74   | 19.75   | 20.50   |
|                    |            | 12      | 13        | 19.75                | 19.73   | 19.78   | 19.69   | 19.67   | 20.50   |
|                    |            | 25      | 0         | 19.50                | 19.65   | 19.61   | 19.61   | 19.67   | 20.50   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                    |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz              | QPSK       | 1       | 0         | 22.03                | 22.35   | 22.44   | 22.32   | 21.92   | 23.50   |
|                    |            | 1       | 25        | 22.30                | 22.50   | 22.66   | 22.39   | 22.38   | 23.50   |
|                    |            | 1       | 49        | 22.66                | 22.54   | 22.67   | 22.54   | 22.56   | 23.50   |
|                    |            | 25      | 0         | 21.62                | 21.68   | 21.64   | 21.67   | 21.73   | 22.50   |
|                    |            | 25      | 13        | 21.60                | 21.77   | 21.74   | 21.77   | 21.71   | 22.50   |
|                    |            | 25      | 25        | 21.59                | 21.75   | 21.80   | 21.69   | 21.62   | 22.50   |
|                    |            | 50      | 0         | 21.71                | 21.74   | 21.78   | 21.69   | 21.75   | 22.50   |
|                    | 16QAM      | 1       | 0         | 21.46                | 21.32   | 21.34   | 21.25   | 21.42   | 22.50   |
|                    |            | 1       | 25        | 21.67                | 21.56   | 21.60   | 21.48   | 21.57   | 22.50   |
|                    |            | 1       | 49        | 21.77                | 21.68   | 21.77   | 21.69   | 21.74   | 22.50   |
|                    |            | 25      | 0         | 20.50                | 20.52   | 20.60   | 20.49   | 20.49   | 21.50   |
|                    |            | 25      | 13        | 20.74                | 20.66   | 20.68   | 20.77   | 20.82   | 21.50   |
|                    |            | 25      | 25        | 20.72                | 20.67   | 20.71   | 20.58   | 20.67   | 21.50   |
|                    |            | 50      | 0         | 20.77                | 20.75   | 20.77   | 20.64   | 20.68   | 21.50   |
|                    | 64QAM      | 1       | 0         | 20.43                | 20.46   | 20.42   | 20.42   | 20.36   | 21.50   |
|                    |            | 1       | 25        | 20.61                | 20.66   | 20.72   | 20.62   | 20.70   | 21.50   |
|                    |            | 1       | 49        | 20.57                | 20.56   | 20.58   | 20.61   | 20.63   | 21.50   |
|                    |            | 25      | 0         | 19.51                | 19.52   | 19.54   | 19.54   | 19.53   | 20.50   |
|                    |            | 25      | 13        | 19.71                | 19.64   | 19.73   | 19.69   | 19.70   | 20.50   |
|                    |            | 25      | 25        | 19.82                | 19.64   | 19.77   | 19.79   | 19.69   | 20.50   |
|                    |            | 50      | 0         | 19.51                | 19.55   | 19.70   | 19.58   | 19.61   | 20.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|--------------|--------------|---------|
|           |            |         |           | 39725        | 40173        | 40620        | 41068        | 41515        |         |
| 15MHz     | QPSK       | 1       | 0         | 22.09        | 22.44        | 22.45        | 22.29        | 22.03        | 23.50   |
|           |            | 1       | 38        | 22.35        | 22.42        | 22.61        | 22.45        | 22.37        | 23.50   |
|           |            | 1       | 74        | 22.64        | 22.52        | 22.55        | 22.57        | 22.60        | 23.50   |
|           |            | 36      | 0         | 21.62        | 21.65        | 21.56        | 21.77        | 21.67        | 22.50   |
|           |            | 36      | 18        | 21.60        | 21.63        | 21.76        | 21.80        | 21.84        | 22.50   |
|           |            | 36      | 39        | 21.63        | 21.66        | 21.75        | 21.66        | 21.69        | 22.50   |
|           |            | 75      | 0         | 21.62        | 21.72        | 21.75        | 21.69        | 21.66        | 22.50   |
|           | 16QAM      | 1       | 0         | 21.48        | 21.33        | 21.42        | 21.34        | 21.31        | 22.50   |
|           |            | 1       | 38        | 21.66        | 21.59        | 21.66        | 21.50        | 21.61        | 22.50   |
|           |            | 1       | 74        | 21.67        | 21.61        | 21.83        | 21.80        | 21.73        | 22.50   |
|           |            | 36      | 0         | 20.42        | 20.55        | 20.55        | 20.54        | 20.48        | 21.50   |
|           |            | 36      | 18        | 20.73        | 20.65        | 20.79        | 20.80        | 20.69        | 21.50   |
|           |            | 36      | 39        | 20.76        | 20.63        | 20.75        | 20.56        | 20.68        | 21.50   |
|           |            | 75      | 0         | 20.68        | 20.70        | 20.68        | 20.54        | 20.58        | 21.50   |
|           | 64QAM      | 1       | 0         | 20.47        | 20.44        | 20.47        | 20.42        | 20.40        | 21.50   |
|           |            | 1       | 38        | 20.60        | 20.59        | 20.74        | 20.65        | 20.69        | 21.50   |
|           |            | 1       | 74        | 20.56        | 20.60        | 20.60        | 20.54        | 20.62        | 21.50   |
|           |            | 36      | 0         | 19.57        | 19.45        | 19.58        | 19.53        | 19.44        | 20.50   |
|           |            | 36      | 18        | 19.61        | 19.65        | 19.67        | 19.73        | 19.62        | 20.50   |
|           |            | 36      | 39        | 19.79        | 19.73        | 19.82        | 19.76        | 19.71        | 20.50   |
|           |            | 75      | 0         | 19.55        | 19.52        | 19.65        | 19.72        | 19.66        | 20.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 39750        | 40185        | 40620        | 41055        | 41490        |         |
| 20MHz     | QPSK       | 1       | 0         | 22.10        | 22.44        | 22.45        | 22.40        | 22.04        | 23.50   |
|           |            | 1       | 50        | 22.35        | 22.47        | 22.63        | 22.51        | 22.49        | 23.50   |
|           |            | 1       | 99        | <b>22.65</b> | <b>22.60</b> | <b>22.67</b> | <b>22.62</b> | <b>22.68</b> | 23.50   |
|           |            | 50      | 0         | 21.60        | 21.71        | 21.65        | 21.74        | 21.77        | 22.50   |
|           |            | 50      | 25        | 21.67        | 21.75        | 21.81        | 21.77        | <b>21.82</b> | 22.50   |
|           |            | 50      | 50        | 21.70        | 21.72        | 21.80        | 21.68        | 21.69        | 22.50   |
|           |            | 100     | 0         | 21.74        | 21.74        | 21.76        | 21.79        | 21.77        | 22.50   |
|           | 16QAM      | 1       | 0         | 21.45        | 21.39        | 21.43        | 21.33        | 21.41        | 22.50   |
|           |            | 1       | 50        | 21.69        | 21.64        | 21.67        | 21.60        | 21.66        | 22.50   |
|           |            | 1       | 99        | 21.74        | 21.70        | 21.81        | 21.78        | 21.71        | 22.50   |
|           |            | 50      | 0         | 20.54        | 20.59        | 20.60        | 20.59        | 20.58        | 21.50   |
|           |            | 50      | 25        | 20.80        | 20.75        | 20.78        | 20.77        | 20.81        | 21.50   |
|           |            | 50      | 50        | 20.80        | 20.73        | 20.78        | 20.68        | 20.76        | 21.50   |
|           |            | 100     | 0         | 20.77        | 20.76        | 20.74        | 20.62        | 20.69        | 21.50   |
|           | 64QAM      | 1       | 0         | 20.47        | 20.48        | 20.50        | 20.52        | 20.42        | 21.50   |
|           |            | 1       | 50        | 20.65        | 20.64        | 20.73        | 20.70        | 20.76        | 21.50   |
|           |            | 1       | 99        | 20.67        | 20.64        | 20.67        | 20.58        | 20.67        | 21.50   |
|           |            | 50      | 0         | 19.56        | 19.54        | 19.58        | 19.52        | 19.51        | 20.50   |
|           |            | 50      | 25        | 19.72        | 19.70        | 19.75        | 19.77        | 19.73        | 20.50   |
|           |            | 50      | 50        | 19.82        | 19.74        | 19.80        | 19.77        | 19.73        | 20.50   |
|           |            | 100     | 0         | 19.60        | 19.63        | 19.71        | 19.70        | 19.73        | 20.50   |

| LTE Band 41 Class2 |            |         |           | 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         | 25.60                | 25.38   | 25.70   | 25.48   | 25.29   | 26.50   |
|                    |            | 1       | 13        | 25.68                | 25.73   | 25.94   | 25.81   | 25.56   | 26.50   |
|                    |            | 1       | 24        | 25.86                | 25.86   | 26.03   | 25.79   | 25.70   | 26.50   |
|                    |            | 12      | 0         | 24.70                | 24.78   | 24.91   | 24.76   | 24.75   | 25.50   |
|                    |            | 12      | 6         | 24.88                | 24.93   | 24.96   | 24.95   | 24.87   | 25.50   |
|                    |            | 12      | 13        | 24.85                | 24.95   | 24.92   | 24.99   | 24.92   | 25.50   |
|                    |            | 25      | 0         | 25.07                | 24.96   | 25.04   | 24.87   | 24.89   | 25.50   |
|                    | 16QAM      | 1       | 0         | 25.21                | 25.07   | 25.15   | 25.14   | 25.20   | 25.50   |
|                    |            | 1       | 13        | 24.37                | 24.29   | 25.29   | 24.41   | 25.41   | 25.50   |
|                    |            | 1       | 24        | 25.24                | 25.21   | 25.34   | 25.11   | 25.17   | 25.50   |
|                    |            | 12      | 0         | 23.77                | 23.74   | 23.78   | 23.73   | 23.76   | 24.50   |
|                    |            | 12      | 6         | 23.91                | 23.94   | 23.97   | 23.97   | 23.96   | 24.50   |
|                    |            | 12      | 13        | 23.94                | 23.88   | 24.07   | 24.00   | 24.00   | 24.50   |
|                    |            | 25      | 0         | 23.93                | 23.78   | 24.02   | 23.96   | 23.86   | 24.50   |
|                    | 64QAM      | 1       | 0         | 23.94                | 23.87   | 23.92   | 24.09   | 23.98   | 24.50   |
|                    |            | 1       | 13        | 24.27                | 24.27   | 24.30   | 24.18   | 24.31   | 24.50   |
|                    |            | 1       | 24        | 24.06                | 24.06   | 24.26   | 24.20   | 24.17   | 24.50   |
|                    |            | 12      | 0         | 22.91                | 22.83   | 22.90   | 22.93   | 22.80   | 23.50   |
|                    |            | 12      | 6         | 22.96                | 22.86   | 23.06   | 22.99   | 22.99   | 23.50   |
|                    |            | 12      | 13        | 23.03                | 22.94   | 22.97   | 23.10   | 22.95   | 23.50   |
|                    |            | 25      | 0         | 22.93                | 22.95   | 23.01   | 23.04   | 22.96   | 23.50   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                    |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz              | QPSK       | 1       | 0         | 25.52                | 25.25   | 25.75   | 25.41   | 25.24   | 26.50   |
|                    |            | 1       | 25        | 25.8                 | 25.7    | 26.01   | 25.79   | 25.53   | 26.50   |
|                    |            | 1       | 49        | 25.8                 | 25.87   | 25.93   | 25.89   | 25.69   | 26.50   |
|                    |            | 25      | 0         | 24.82                | 24.88   | 24.79   | 24.8    | 24.73   | 25.50   |
|                    |            | 25      | 13        | 24.99                | 24.92   | 24.96   | 24.96   | 24.88   | 25.50   |
|                    |            | 25      | 25        | 24.86                | 24.98   | 24.97   | 24.91   | 24.97   | 25.50   |
|                    |            | 50      | 0         | 25.04                | 24.99   | 24.94   | 25      | 24.92   | 25.50   |
|                    | 16QAM      | 1       | 0         | 25.14                | 25.05   | 25.13   | 25.19   | 25.09   | 25.50   |
|                    |            | 1       | 25        | 24.24                | 24.28   | 25.43   | 24.3    | 25.39   | 25.50   |
|                    |            | 1       | 49        | 25.26                | 25.19   | 25.26   | 25.21   | 25.15   | 25.50   |
|                    |            | 25      | 0         | 23.75                | 23.74   | 23.91   | 23.78   | 23.86   | 24.50   |
|                    |            | 25      | 13        | 23.96                | 23.93   | 24.08   | 23.87   | 23.97   | 24.50   |
|                    |            | 25      | 25        | 23.87                | 23.8    | 24      | 23.91   | 24.01   | 24.50   |
|                    |            | 50      | 0         | 23.83                | 23.78   | 23.97   | 23.99   | 23.88   | 24.50   |
|                    | 64QAM      | 1       | 0         | 23.95                | 23.87   | 23.97   | 24.09   | 24.02   | 24.50   |
|                    |            | 1       | 25        | 24.25                | 24.27   | 24.28   | 24.16   | 24.19   | 24.50   |
|                    |            | 1       | 49        | 24.06                | 24.10   | 24.15   | 24.22   | 24.13   | 24.50   |
|                    |            | 25      | 0         | 22.80                | 22.83   | 22.85   | 22.84   | 22.78   | 23.50   |
|                    |            | 25      | 13        | 22.98                | 22.91   | 23.08   | 23.01   | 22.93   | 23.50   |
|                    |            | 25      | 25        | 23.05                | 22.84   | 23.08   | 23.09   | 23.10   | 23.50   |
|                    |            | 50      | 0         | 22.94                | 22.89   | 23.03   | 22.97   | 23.06   | 23.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|--------------|---------|---------|---------|
|           |            |         |           | 39725   | 40173   | 40620        | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 25.53   | 25.24   | 25.7         | 25.39   | 25.28   | 26.50   |
|           |            | 1       | 38        | 25.66   | 25.71   | 25.93        | 25.82   | 25.56   | 26.50   |
|           |            | 1       | 74        | 25.84   | 25.91   | 25.98        | 25.88   | 25.72   | 26.50   |
|           |            | 36      | 0         | 24.77   | 24.79   | 24.85        | 24.77   | 24.85   | 25.50   |
|           |            | 36      | 18        | 24.87   | 24.96   | 24.9         | 24.83   | 24.99   | 25.50   |
|           |            | 36      | 39        | 24.86   | 24.83   | 24.93        | 25.02   | 24.86   | 25.50   |
|           |            | 75      | 0         | 24.99   | 24.97   | 25.02        | 24.97   | 24.89   | 25.50   |
|           | 16QAM      | 1       | 0         | 25.13   | 25.1    | 25.24        | 25.22   | 25.1    | 25.50   |
|           |            | 1       | 38        | 24.36   | 24.3    | 25.36        | 24.29   | 25.35   | 25.50   |
|           |            | 1       | 74        | 25.28   | 25.16   | 25.33        | 25.15   | 25.19   | 25.50   |
|           |            | 36      | 0         | 23.66   | 23.71   | 23.8         | 23.69   | 23.87   | 24.50   |
|           |            | 36      | 18        | 23.99   | 23.89   | 24.05        | 23.95   | 23.92   | 24.50   |
|           |            | 36      | 39        | 23.97   | 23.79   | 24.03        | 24      | 24.06   | 24.50   |
|           |            | 75      | 0         | 23.96   | 23.82   | 23.91        | 23.9    | 23.92   | 24.50   |
|           | 64QAM      | 1       | 0         | 24.00   | 23.94   | 24.04        | 23.97   | 23.88   | 24.50   |
|           |            | 1       | 38        | 24.26   | 24.24   | 24.28        | 24.14   | 24.20   | 24.50   |
|           |            | 1       | 74        | 24.17   | 24.03   | 24.14        | 24.17   | 24.14   | 24.50   |
|           |            | 36      | 0         | 22.81   | 22.89   | 22.94        | 22.92   | 22.86   | 23.50   |
|           |            | 36      | 18        | 22.92   | 22.91   | 23.08        | 22.97   | 22.97   | 23.50   |
|           |            | 36      | 39        | 22.94   | 22.96   | 23.11        | 23.07   | 23.08   | 23.50   |
|           |            | 75      | 0         | 23.00   | 22.91   | 22.92        | 22.94   | 23.08   | 23.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620        | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 25.57   | 25.35   | 25.81        | 25.51   | 25.31   | 26.50   |
|           |            | 1       | 50        | 25.78   | 25.74   | 26.04        | 25.80   | 25.62   | 26.50   |
|           |            | 1       | 99        | 25.89   | 25.88   | <b>26.05</b> | 25.90   | 26.03   | 26.50   |
|           |            | 50      | 0         | 24.79   | 24.86   | 24.88        | 24.88   | 24.84   | 25.50   |
|           |            | 50      | 25        | 24.98   | 24.96   | 25.02        | 24.95   | 24.99   | 25.50   |
|           |            | 50      | 50        | 24.93   | 24.95   | 25.01        | 25.01   | 24.97   | 25.50   |
|           |            | 100     | 0         | 25.04   | 25.07   | 25.03        | 24.97   | 24.99   | 25.50   |
|           | 16QAM      | 1       | 0         | 25.18   | 25.09   | 25.23        | 25.26   | 25.21   | 25.50   |
|           |            | 1       | 50        | 24.35   | 24.32   | 25.40        | 24.41   | 25.39   | 25.50   |
|           |            | 1       | 99        | 25.25   | 25.27   | 25.31        | 25.23   | 25.25   | 25.50   |
|           |            | 50      | 0         | 23.77   | 23.75   | 23.89        | 23.79   | 23.87   | 24.50   |
|           |            | 50      | 25        | 23.96   | 23.95   | 24.06        | 23.94   | 24.00   | 24.50   |
|           |            | 50      | 50        | 23.98   | 23.90   | 24.07        | 23.97   | 24.03   | 24.50   |
|           |            | 100     | 0         | 23.94   | 23.84   | 24.02        | 24.01   | 23.95   | 24.50   |
|           | 64QAM      | 1       | 0         | 24.01   | 23.99   | 24.04        | 24.07   | 24.00   | 24.50   |
|           |            | 1       | 50        | 24.31   | 24.34   | 24.32        | 24.24   | 24.28   | 24.50   |
|           |            | 1       | 99        | 24.14   | 24.09   | 24.25        | 24.25   | 24.21   | 24.50   |
|           |            | 50      | 0         | 22.89   | 22.86   | 22.93        | 22.94   | 22.90   | 23.50   |
|           |            | 50      | 25        | 23.02   | 22.90   | 23.12        | 23.06   | 23.03   | 23.50   |
|           |            | 50      | 50        | 23.03   | 22.94   | 23.09        | 23.08   | 23.07   | 23.50   |
|           |            | 100     | 0         | 22.97   | 22.98   | 23.03        | 23.05   | 23.06   | 23.50   |

## 1.5 Conducted Power of LTE Ant2

| 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         | 23.85                | 23.92   | 23.85   | 24.50   |
|             |            | 1       | 2         | 23.79                | 23.77   | 23.74   | 24.50   |
|             |            | 1       | 5         | 23.72                | 23.65   | 23.63   | 24.50   |
|             |            | 3       | 0         | 23.84                | 24.03   | 23.81   | 24.50   |
|             |            | 3       | 1         | 23.73                | 23.77   | 23.87   | 24.50   |
|             |            | 3       | 3         | 23.72                | 23.71   | 23.53   | 24.50   |
|             |            | 6       | 0         | 22.58                | 22.76   | 22.73   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.76                | 22.81   | 22.65   | 23.50   |
|             |            | 1       | 2         | 22.76                | 22.88   | 22.80   | 23.50   |
|             |            | 1       | 5         | 22.86                | 22.80   | 22.64   | 23.50   |
|             |            | 3       | 0         | 22.77                | 22.87   | 22.66   | 23.50   |
|             |            | 3       | 1         | 22.81                | 22.98   | 22.94   | 23.50   |
|             |            | 3       | 3         | 22.79                | 22.78   | 22.71   | 23.50   |
|             |            | 6       | 0         | 21.66                | 21.75   | 21.67   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.90                | 21.95   | 21.92   | 22.50   |
|             |            | 1       | 2         | 21.74                | 21.88   | 22.00   | 22.50   |
|             |            | 1       | 5         | 21.80                | 21.90   | 21.91   | 22.50   |
|             |            | 3       | 0         | 21.95                | 22.08   | 21.91   | 22.50   |
|             |            | 3       | 1         | 21.76                | 21.81   | 22.03   | 22.50   |
|             |            | 3       | 3         | 21.83                | 21.92   | 21.83   | 22.50   |
|             |            | 6       | 0         | 20.56                | 20.74   | 20.68   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 131987               | 132322  | 132657  |         |
| 3MHz        | QPSK       | 1       | 0         | 23.89                | 23.87   | 23.84   | 24.50   |
|             |            | 1       | 7         | 23.83                | 23.83   | 23.85   | 24.50   |
|             |            | 1       | 14        | 23.56                | 23.76   | 23.60   | 24.50   |
|             |            | 8       | 0         | 22.50                | 22.75   | 22.67   | 23.50   |
|             |            | 8       | 4         | 22.62                | 22.79   | 22.73   | 23.50   |
|             |            | 8       | 7         | 22.64                | 22.66   | 22.78   | 23.50   |
|             |            | 15      | 0         | 22.63                | 22.61   | 22.65   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.83                | 22.80   | 22.75   | 23.50   |
|             |            | 1       | 7         | 22.75                | 22.89   | 22.83   | 23.50   |
|             |            | 1       | 14        | 22.79                | 22.86   | 22.75   | 23.50   |
|             |            | 8       | 0         | 21.61                | 21.69   | 21.57   | 22.50   |
|             |            | 8       | 4         | 21.62                | 21.61   | 21.63   | 22.50   |
|             |            | 8       | 7         | 21.56                | 21.66   | 21.69   | 22.50   |
|             |            | 15      | 0         | 21.65                | 21.67   | 21.79   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.96                | 21.97   | 21.98   | 22.50   |
|             |            | 1       | 7         | 21.71                | 21.94   | 21.91   | 22.50   |
|             |            | 1       | 14        | 21.92                | 21.82   | 21.85   | 22.50   |
|             |            | 8       | 0         | 20.71                | 20.69   | 20.67   | 21.50   |
|             |            | 8       | 4         | 20.85                | 20.77   | 20.67   | 21.50   |
|             |            | 8       | 7         | 20.67                | 20.69   | 20.55   | 21.50   |
|             |            | 15      | 0         | 20.59                | 20.70   | 20.62   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 131997  | 132322  | 132647  |         |
| 5MHz      | QPSK       | 1       | 0         | 23.85   | 24.02   | 23.86   | 24.50   |
|           |            | 1       | 13        | 23.69   | 23.75   | 23.82   | 24.50   |
|           |            | 1       | 24        | 23.57   | 23.72   | 23.62   | 24.50   |
|           |            | 12      | 0         | 22.63   | 22.68   | 22.55   | 23.50   |
|           |            | 12      | 6         | 22.63   | 22.77   | 22.69   | 23.50   |
|           |            | 12      | 13        | 22.62   | 22.64   | 22.77   | 23.50   |
|           |            | 25      | 0         | 22.65   | 22.63   | 22.69   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.74   | 22.72   | 22.66   | 23.50   |
|           |            | 1       | 13        | 22.78   | 22.94   | 22.94   | 23.50   |
|           |            | 1       | 24        | 22.76   | 22.77   | 22.78   | 23.50   |
|           |            | 12      | 0         | 21.58   | 21.60   | 21.54   | 22.50   |
|           |            | 12      | 6         | 21.61   | 21.61   | 21.76   | 22.50   |
|           |            | 12      | 13        | 21.61   | 21.69   | 21.68   | 22.50   |
|           |            | 25      | 0         | 21.73   | 21.77   | 21.73   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.91   | 21.95   | 21.88   | 22.50   |
|           |            | 1       | 13        | 21.84   | 21.91   | 21.90   | 22.50   |
|           |            | 1       | 24        | 21.93   | 21.86   | 21.96   | 22.50   |
|           |            | 12      | 0         | 20.60   | 20.59   | 20.59   | 21.50   |
|           |            | 12      | 6         | 20.72   | 20.79   | 20.67   | 21.50   |
|           |            | 12      | 13        | 20.78   | 20.75   | 20.55   | 21.50   |
|           |            | 25      | 0         | 20.71   | 20.70   | 20.66   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132022  | 132322  | 132622  |         |
| 10MHz     | QPSK       | 1       | 0         | 23.92   | 24.02   | 23.87   | 24.50   |
|           |            | 1       | 25        | 23.79   | 23.86   | 23.84   | 24.50   |
|           |            | 1       | 49        | 23.69   | 23.74   | 23.70   | 24.50   |
|           |            | 25      | 0         | 22.58   | 22.65   | 22.66   | 23.50   |
|           |            | 25      | 13        | 22.62   | 22.68   | 22.63   | 23.50   |
|           |            | 25      | 25        | 22.55   | 22.60   | 22.70   | 23.50   |
|           |            | 50      | 0         | 22.67   | 22.70   | 22.65   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.79   | 22.83   | 22.67   | 23.50   |
|           |            | 1       | 25        | 22.79   | 22.93   | 22.93   | 23.50   |
|           |            | 1       | 49        | 22.89   | 22.72   | 22.71   | 23.50   |
|           |            | 25      | 0         | 21.61   | 21.60   | 21.50   | 22.50   |
|           |            | 25      | 13        | 21.72   | 21.77   | 21.65   | 22.50   |
|           |            | 25      | 25        | 21.71   | 21.63   | 21.65   | 22.50   |
|           |            | 50      | 0         | 21.61   | 21.72   | 21.66   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.95   | 22.05   | 22.04   | 22.50   |
|           |            | 1       | 25        | 21.84   | 21.95   | 21.92   | 22.50   |
|           |            | 1       | 49        | 21.86   | 21.87   | 21.93   | 22.50   |
|           |            | 25      | 0         | 20.58   | 20.69   | 20.55   | 21.50   |
|           |            | 25      | 13        | 20.69   | 20.81   | 20.77   | 21.50   |
|           |            | 25      | 25        | 20.78   | 20.67   | 20.56   | 21.50   |
|           |            | 50      | 0         | 20.72   | 20.80   | 20.66   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 132047       | 132322       | 132597       |         |
| 15MHz     | QPSK       | 1       | 0         | 23.94        | 23.93        | 23.79        | 24.50   |
|           |            | 1       | 38        | 23.71        | 23.89        | 23.83        | 24.50   |
|           |            | 1       | 74        | 23.56        | 23.78        | 23.67        | 24.50   |
|           |            | 36      | 0         | 22.56        | 22.75        | 22.54        | 23.50   |
|           |            | 36      | 18        | 22.75        | 22.79        | 22.68        | 23.50   |
|           |            | 36      | 39        | 22.55        | 22.62        | 22.64        | 23.50   |
|           |            | 75      | 0         | 22.65        | 22.64        | 22.73        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.79        | 22.73        | 22.79        | 23.50   |
|           |            | 1       | 38        | 22.88        | 22.91        | 22.85        | 23.50   |
|           |            | 1       | 74        | 22.77        | 22.72        | 22.76        | 23.50   |
|           |            | 36      | 0         | 21.63        | 21.60        | 21.62        | 22.50   |
|           |            | 36      | 18        | 21.76        | 21.78        | 21.72        | 22.50   |
|           |            | 36      | 39        | 21.66        | 21.76        | 21.76        | 22.50   |
|           |            | 75      | 0         | 21.61        | 21.68        | 21.69        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.92        | 22.04        | 21.91        | 22.50   |
|           |            | 1       | 38        | 21.85        | 21.89        | 22.02        | 22.50   |
|           |            | 1       | 74        | 21.79        | 21.94        | 21.84        | 22.50   |
|           |            | 36      | 0         | 20.57        | 20.65        | 20.69        | 21.50   |
|           |            | 36      | 18        | 20.81        | 20.86        | 20.68        | 21.50   |
|           |            | 36      | 39        | 20.73        | 20.74        | 20.61        | 21.50   |
|           |            | 75      | 0         | 20.59        | 20.83        | 20.64        | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 132072       | 132322       | 132572       |         |
| 20MHz     | QPSK       | 1       | 0         | <b>23.89</b> | <b>23.99</b> | <b>23.87</b> | 24.50   |
|           |            | 1       | 50        | 23.79        | 23.87        | 23.84        | 24.50   |
|           |            | 1       | 99        | 23.67        | 23.76        | 23.65        | 24.50   |
|           |            | 50      | 0         | 22.62        | 22.72        | 22.64        | 23.50   |
|           |            | 50      | 25        | 22.72        | <b>22.74</b> | 22.70        | 23.50   |
|           |            | 50      | 50        | 22.63        | 22.69        | 22.73        | 23.50   |
|           |            | 100     | 0         | 22.64        | 22.71        | 22.70        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.84        | 22.84        | 22.74        | 23.50   |
|           |            | 1       | 50        | 22.84        | 22.94        | 22.92        | 23.50   |
|           |            | 1       | 99        | 22.86        | 22.83        | 22.75        | 23.50   |
|           |            | 50      | 0         | 21.63        | 21.67        | 21.57        | 22.50   |
|           |            | 50      | 25        | 21.73        | 21.73        | 21.75        | 22.50   |
|           |            | 50      | 50        | 21.66        | 21.74        | 21.71        | 22.50   |
|           |            | 100     | 0         | 21.72        | 21.77        | 21.76        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.94        | 22.03        | 21.99        | 22.50   |
|           |            | 1       | 50        | 21.81        | 21.93        | 21.98        | 22.50   |
|           |            | 1       | 99        | 21.88        | 21.92        | 21.92        | 22.50   |
|           |            | 50      | 0         | 20.67        | 20.71        | 20.67        | 21.50   |
|           |            | 50      | 25        | 20.80        | 20.81        | 20.78        | 21.50   |
|           |            | 50      | 50        | 20.74        | 20.76        | 20.67        | 21.50   |
|           |            | 100     | 0         | 20.67        | 20.78        | 20.71        | 21.50   |

| LTE Band 41 Class3 |            |         |           | Conducted Power(dBm) |         |         |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                    |            |         |           | 39675                | 40148   | 40620   | 41093   | 41565   |         |
| 5MHz               | QPSK       | 1       | 0         | 21.23                | 21.60   | 21.62   | 21.63   | 21.12   | 22.50   |
|                    |            | 1       | 13        | 21.65                | 21.68   | 21.72   | 21.66   | 21.59   | 22.50   |
|                    |            | 1       | 24        | 21.85                | 21.84   | 21.83   | 21.82   | 21.77   | 22.50   |
|                    |            | 12      | 0         | 20.90                | 21.07   | 20.96   | 21.04   | 21.08   | 21.50   |
|                    |            | 12      | 6         | 21.16                | 21.03   | 21.08   | 21.00   | 21.05   | 21.50   |
|                    |            | 12      | 13        | 21.17                | 21.07   | 21.12   | 21.15   | 21.00   | 21.50   |
|                    |            | 25      | 0         | 21.06                | 21.06   | 20.95   | 20.89   | 21.08   | 21.50   |
|                    | 16QAM      | 1       | 0         | 20.76                | 20.84   | 20.80   | 20.72   | 20.80   | 21.50   |
|                    |            | 1       | 13        | 21.04                | 21.13   | 21.12   | 20.94   | 21.09   | 21.50   |
|                    |            | 1       | 24        | 21.03                | 21.11   | 20.96   | 21.05   | 20.99   | 21.50   |
|                    |            | 12      | 0         | 19.74                | 19.82   | 19.90   | 19.72   | 19.93   | 20.50   |
|                    |            | 12      | 6         | 19.99                | 20.18   | 19.97   | 19.99   | 20.08   | 20.50   |
|                    |            | 12      | 13        | 19.83                | 20.04   | 20.05   | 20.04   | 19.92   | 20.50   |
|                    |            | 25      | 0         | 19.88                | 19.87   | 19.88   | 19.87   | 19.92   | 20.50   |
|                    | 64QAM      | 1       | 0         | 19.63                | 19.68   | 19.66   | 19.59   | 19.59   | 20.50   |
|                    |            | 1       | 13        | 19.94                | 19.76   | 19.91   | 19.87   | 19.86   | 20.50   |
|                    |            | 1       | 24        | 19.90                | 19.91   | 19.81   | 19.90   | 19.77   | 20.50   |
|                    |            | 12      | 0         | 18.78                | 18.75   | 18.83   | 18.73   | 18.81   | 19.50   |
|                    |            | 12      | 6         | 19.07                | 18.94   | 18.94   | 19.02   | 18.95   | 19.50   |
|                    |            | 12      | 13        | 19.03                | 18.94   | 19.10   | 19.02   | 18.99   | 19.50   |
|                    |            | 25      | 0         | 18.81                | 18.95   | 18.95   | 18.91   | 18.88   | 19.50   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                    |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz              | QPSK       | 1       | 0         | 21.20                | 21.51   | 21.67   | 21.58   | 21.19   | 22.50   |
|                    |            | 1       | 25        | 21.66                | 21.72   | 21.80   | 21.63   | 21.70   | 22.50   |
|                    |            | 1       | 49        | 21.85                | 21.72   | 21.81   | 21.71   | 21.82   | 22.50   |
|                    |            | 25      | 0         | 20.89                | 21.09   | 20.89   | 20.99   | 20.93   | 21.50   |
|                    |            | 25      | 13        | 21.04                | 21.15   | 21.15   | 21.02   | 21.16   | 21.50   |
|                    |            | 25      | 25        | 21.07                | 21.16   | 21.06   | 21.03   | 20.98   | 21.50   |
|                    |            | 50      | 0         | 20.94                | 21.02   | 21.00   | 21.00   | 20.96   | 21.50   |
|                    | 16QAM      | 1       | 0         | 20.85                | 20.72   | 20.74   | 20.78   | 20.84   | 21.50   |
|                    |            | 1       | 25        | 20.97                | 21.00   | 21.14   | 20.89   | 21.08   | 21.50   |
|                    |            | 1       | 49        | 21.06                | 21.18   | 20.98   | 20.88   | 20.99   | 21.50   |
|                    |            | 25      | 0         | 19.79                | 19.89   | 19.87   | 19.78   | 19.85   | 20.50   |
|                    |            | 25      | 13        | 19.93                | 20.17   | 20.10   | 19.99   | 20.06   | 20.50   |
|                    |            | 25      | 25        | 19.97                | 20.04   | 19.97   | 19.92   | 20.03   | 20.50   |
|                    |            | 50      | 0         | 19.88                | 19.82   | 19.90   | 19.89   | 19.91   | 20.50   |
|                    | 64QAM      | 1       | 0         | 19.49                | 19.77   | 19.70   | 19.72   | 19.54   | 20.50   |
|                    |            | 1       | 25        | 19.94                | 19.80   | 19.89   | 19.94   | 19.96   | 20.50   |
|                    |            | 1       | 49        | 19.86                | 19.96   | 19.92   | 19.84   | 19.69   | 20.50   |
|                    |            | 25      | 0         | 18.80                | 18.90   | 18.91   | 18.80   | 18.74   | 19.50   |
|                    |            | 25      | 13        | 19.02                | 19.03   | 19.04   | 18.98   | 18.98   | 19.50   |
|                    |            | 25      | 25        | 18.95                | 19.09   | 18.94   | 19.00   | 19.03   | 19.50   |
|                    |            | 50      | 0         | 18.81                | 19.05   | 18.89   | 18.91   | 18.93   | 19.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|--------------|--------------|---------|
|           |            |         |           | 39725        | 40173        | 40620        | 41068        | 41515        |         |
| 15MHz     | QPSK       | 1       | 0         | 21.23        | 21.46        | 21.68        | 21.60        | 21.08        | 22.50   |
|           |            | 1       | 38        | 21.61        | 21.67        | 21.73        | 21.63        | 21.57        | 22.50   |
|           |            | 1       | 74        | 21.73        | 21.71        | 21.86        | 21.73        | 21.69        | 22.50   |
|           |            | 36      | 0         | 21.05        | 21.08        | 20.96        | 21.01        | 21.07        | 21.50   |
|           |            | 36      | 18        | 21.07        | 21.03        | 21.12        | 21.02        | 21.04        | 21.50   |
|           |            | 36      | 39        | 21.07        | 21.06        | 21.17        | 21.15        | 21.00        | 21.50   |
|           |            | 75      | 0         | 21.08        | 21.03        | 21.03        | 20.97        | 21.10        | 21.50   |
|           | 16QAM      | 1       | 0         | 20.73        | 20.75        | 20.74        | 20.78        | 20.71        | 21.50   |
|           |            | 1       | 38        | 20.93        | 21.11        | 21.03        | 20.96        | 20.97        | 21.50   |
|           |            | 1       | 74        | 21.15        | 21.07        | 20.98        | 20.92        | 20.92        | 21.50   |
|           |            | 36      | 0         | 19.77        | 19.79        | 19.76        | 19.87        | 19.89        | 20.50   |
|           |            | 36      | 18        | 19.95        | 20.12        | 20.05        | 20.12        | 20.01        | 20.50   |
|           |            | 36      | 39        | 19.99        | 20.06        | 19.97        | 19.99        | 19.86        | 20.50   |
|           |            | 75      | 0         | 19.91        | 19.94        | 19.97        | 19.91        | 19.97        | 20.50   |
|           | 64QAM      | 1       | 0         | 19.53        | 19.72        | 19.73        | 19.68        | 19.57        | 20.50   |
|           |            | 1       | 38        | 19.98        | 19.84        | 20.02        | 19.85        | 19.88        | 20.50   |
|           |            | 1       | 74        | 19.95        | 19.81        | 19.84        | 19.93        | 19.74        | 20.50   |
|           |            | 36      | 0         | 18.82        | 18.75        | 18.76        | 18.84        | 18.80        | 19.50   |
|           |            | 36      | 18        | 19.08        | 19.05        | 19.04        | 19.05        | 18.98        | 19.50   |
|           |            | 36      | 39        | 18.95        | 18.94        | 18.95        | 19.01        | 19.08        | 19.50   |
|           |            | 75      | 0         | 18.97        | 18.94        | 18.92        | 18.89        | 18.90        | 19.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 39750        | 40185        | 40620        | 41055        | 41490        |         |
| 20MHz     | QPSK       | 1       | 0         | 21.28        | 21.55        | 21.72        | 21.67        | 21.18        | 22.50   |
|           |            | 1       | 50        | 21.66        | 21.73        | 21.77        | 21.71        | 21.68        | 22.50   |
|           |            | 1       | 99        | <b>21.85</b> | <b>21.83</b> | <b>21.79</b> | <b>21.80</b> | <b>21.88</b> | 22.50   |
|           |            | 50      | 0         | 21.01        | 21.06        | 20.95        | 21.07        | 21.05        | 21.50   |
|           |            | 50      | 25        | 21.11        | 21.15        | 21.16        | 21.10        | <b>21.17</b> | 21.50   |
|           |            | 50      | 50        | 21.12        | 21.17        | 21.15        | 21.15        | 21.05        | 21.50   |
|           |            | 100     | 0         | 21.05        | 21.06        | 21.05        | 21.01        | 21.08        | 21.50   |
|           | 16QAM      | 1       | 0         | 20.85        | 20.80        | 20.85        | 20.78        | 20.79        | 21.50   |
|           |            | 1       | 50        | 20.99        | 21.08        | 21.11        | 21.01        | 21.09        | 21.50   |
|           |            | 1       | 99        | 21.12        | 21.13        | 21.08        | 21.00        | 20.98        | 21.50   |
|           |            | 50      | 0         | 19.81        | 19.86        | 19.87        | 19.82        | 19.92        | 20.50   |
|           |            | 50      | 25        | 20.05        | 20.13        | 20.08        | 20.09        | 20.09        | 20.50   |
|           |            | 50      | 50        | 19.94        | 20.03        | 20.03        | 19.99        | 19.98        | 20.50   |
|           |            | 100     | 0         | 19.90        | 19.91        | 19.99        | 19.99        | 20.03        | 20.50   |
|           | 64QAM      | 1       | 0         | 19.59        | 19.75        | 19.71        | 19.70        | 19.60        | 20.50   |
|           |            | 1       | 50        | 20.01        | 19.86        | 19.97        | 19.92        | 19.98        | 20.50   |
|           |            | 1       | 99        | 19.91        | 19.93        | 19.91        | 19.96        | 19.79        | 20.50   |
|           |            | 50      | 0         | 18.86        | 18.87        | 18.87        | 18.81        | 18.84        | 19.50   |
|           |            | 50      | 25        | 19.07        | 19.03        | 19.05        | 19.05        | 18.96        | 19.50   |
|           |            | 50      | 50        | 19.02        | 19.06        | 19.06        | 19.10        | 19.03        | 19.50   |
|           |            | 100     | 0         | 18.92        | 19.00        | 18.97        | 18.95        | 18.91        | 19.50   |

| LTE Band 41 Class2 |            |         |           | 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         | 24.19                | 24.24   | 24.97   | 24.86   | 24.16   | 26.00   |
|                    |            | 1       | 13        | 25.19                | 25.21   | 25.15   | 24.90   | 25.14   | 26.00   |
|                    |            | 1       | 24        | 25.09                | 25.13   | 25.16   | 25.23   | 25.10   | 26.00   |
|                    |            | 12      | 0         | 24.06                | 24.08   | 24.14   | 24.04   | 23.98   | 25.00   |
|                    |            | 12      | 6         | 24.09                | 24.20   | 24.24   | 24.08   | 24.08   | 25.00   |
|                    |            | 12      | 13        | 24.12                | 24.22   | 24.14   | 24.02   | 24.19   | 25.00   |
|                    |            | 25      | 0         | 24.07                | 24.27   | 24.22   | 23.98   | 24.16   | 25.00   |
|                    | 16QAM      | 1       | 0         | 24.20                | 24.26   | 24.21   | 24.14   | 24.18   | 25.00   |
|                    |            | 1       | 13        | 24.57                | 24.67   | 24.46   | 24.52   | 24.41   | 25.00   |
|                    |            | 1       | 24        | 24.39                | 24.48   | 24.42   | 24.43   | 24.36   | 25.00   |
|                    |            | 12      | 0         | 23.01                | 23.13   | 22.96   | 23.00   | 23.13   | 24.00   |
|                    |            | 12      | 6         | 23.23                | 23.07   | 23.26   | 23.24   | 23.21   | 24.00   |
|                    |            | 12      | 13        | 23.04                | 23.15   | 23.14   | 23.01   | 23.08   | 24.00   |
|                    |            | 25      | 0         | 23.17                | 23.18   | 23.15   | 23.14   | 23.13   | 24.00   |
|                    | 64QAM      | 1       | 0         | 23.20                | 23.24   | 23.09   | 23.15   | 23.14   | 24.00   |
|                    |            | 1       | 13        | 23.57                | 23.43   | 23.52   | 23.29   | 23.41   | 24.00   |
|                    |            | 1       | 24        | 23.16                | 23.35   | 23.37   | 23.30   | 23.17   | 24.00   |
|                    |            | 12      | 0         | 21.99                | 22.09   | 22.17   | 22.00   | 22.20   | 23.00   |
|                    |            | 12      | 6         | 22.21                | 22.10   | 22.29   | 22.19   | 22.24   | 23.00   |
|                    |            | 12      | 13        | 22.06                | 22.02   | 22.20   | 22.05   | 22.07   | 23.00   |
|                    |            | 25      | 0         | 22.23                | 22.15   | 22.25   | 22.27   | 22.19   | 23.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                    |            |         |           | 39700                | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz              | QPSK       | 1       | 0         | 24.13                | 24.11   | 24.96   | 24.83   | 24.11   | 26.00   |
|                    |            | 1       | 25        | 25.04                | 25.07   | 25.21   | 24.92   | 25.07   | 26.00   |
|                    |            | 1       | 49        | 25.16                | 25.09   | 25.03   | 25.18   | 25.11   | 26.00   |
|                    |            | 25      | 0         | 24.11                | 24.08   | 24.04   | 24.14   | 24.12   | 25.00   |
|                    |            | 25      | 13        | 24.14                | 24.15   | 24.19   | 24.12   | 24.14   | 25.00   |
|                    |            | 25      | 25        | 24.21                | 24.15   | 24.07   | 24.18   | 24.09   | 25.00   |
|                    |            | 50      | 0         | 24.15                | 24.20   | 24.15   | 24.04   | 24.08   | 25.00   |
|                    | 16QAM      | 1       | 0         | 24.05                | 24.26   | 24.18   | 24.24   | 24.23   | 25.00   |
|                    |            | 1       | 25        | 24.46                | 24.55   | 24.61   | 24.65   | 24.55   | 25.00   |
|                    |            | 1       | 49        | 24.41                | 24.51   | 24.50   | 24.31   | 24.41   | 25.00   |
|                    |            | 25      | 0         | 23.00                | 23.05   | 23.00   | 22.91   | 23.05   | 24.00   |
|                    |            | 25      | 13        | 23.30                | 23.10   | 23.30   | 23.26   | 23.25   | 24.00   |
|                    |            | 25      | 25        | 23.05                | 23.06   | 23.22   | 23.00   | 23.01   | 24.00   |
|                    |            | 50      | 0         | 23.16                | 23.17   | 23.09   | 23.03   | 23.13   | 24.00   |
|                    | 64QAM      | 1       | 0         | 23.18                | 23.26   | 23.17   | 23.11   | 23.16   | 24.00   |
|                    |            | 1       | 25        | 23.46                | 23.38   | 23.43   | 23.34   | 23.49   | 24.00   |
|                    |            | 1       | 49        | 23.14                | 23.34   | 23.28   | 23.42   | 23.14   | 24.00   |
|                    |            | 25      | 0         | 22.10                | 22.01   | 22.04   | 21.97   | 22.07   | 23.00   |
|                    |            | 25      | 13        | 22.11                | 22.27   | 22.20   | 22.13   | 22.24   | 23.00   |
|                    |            | 25      | 25        | 22.15                | 22.11   | 22.16   | 22.05   | 22.14   | 23.00   |
|                    |            | 50      | 0         | 22.19                | 22.13   | 22.21   | 22.25   | 22.21   | 23.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 24.18   | 24.25   | 24.98   | 24.87   | 24.03   | 26.00   |
|           |            | 1       | 38        | 25.18   | 25.18   | 25.08   | 24.98   | 25.02   | 26.00   |
|           |            | 1       | 74        | 25.09   | 25.05   | 25.04   | 25.21   | 25.02   | 26.00   |
|           |            | 36      | 0         | 24.09   | 24.21   | 23.98   | 24.16   | 24.04   | 25.00   |
|           |            | 36      | 18        | 24.10   | 24.12   | 24.14   | 24.10   | 24.08   | 25.00   |
|           |            | 36      | 39        | 24.12   | 24.12   | 24.18   | 24.11   | 24.10   | 25.00   |
|           |            | 75      | 0         | 24.07   | 24.21   | 24.11   | 24.08   | 24.14   | 25.00   |
|           | 16QAM      | 1       | 0         | 24.12   | 24.17   | 24.31   | 24.24   | 24.34   | 25.00   |
|           |            | 1       | 38        | 24.47   | 24.64   | 24.53   | 24.66   | 24.45   | 25.00   |
|           |            | 1       | 74        | 24.35   | 24.39   | 24.49   | 24.34   | 24.45   | 25.00   |
|           |            | 36      | 0         | 23.01   | 22.99   | 23.07   | 22.97   | 22.97   | 24.00   |
|           |            | 36      | 18        | 23.17   | 23.20   | 23.14   | 23.32   | 23.19   | 24.00   |
|           |            | 36      | 39        | 23.01   | 23.04   | 23.20   | 23.09   | 23.12   | 24.00   |
|           |            | 75      | 0         | 23.09   | 23.17   | 23.06   | 23.05   | 23.11   | 24.00   |
|           | 64QAM      | 1       | 0         | 23.08   | 23.19   | 23.22   | 23.02   | 23.18   | 24.00   |
|           |            | 1       | 38        | 23.42   | 23.48   | 23.49   | 23.32   | 23.41   | 24.00   |
|           |            | 1       | 74        | 23.15   | 23.27   | 23.32   | 23.34   | 23.22   | 24.00   |
|           |            | 36      | 0         | 22.09   | 21.95   | 22.01   | 22.04   | 22.19   | 23.00   |
|           |            | 36      | 18        | 22.13   | 22.27   | 22.28   | 22.09   | 22.15   | 23.00   |
|           |            | 36      | 39        | 22.04   | 22.03   | 22.22   | 22.16   | 22.13   | 23.00   |
|           |            | 75      | 0         | 22.27   | 22.12   | 22.13   | 22.15   | 22.28   | 23.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 24.21   | 24.23   | 24.97   | 24.84   | 24.13   | 26.00   |
|           |            | 1       | 50        | 25.14   | 25.16   | 25.18   | 24.98   | 25.10   | 26.00   |
|           |            | 1       | 99        | 25.18   | 25.14   | 25.15   | 25.19   | 25.11   | 26.00   |
|           |            | 50      | 0         | 24.16   | 24.17   | 24.10   | 24.11   | 24.08   | 25.00   |
|           |            | 50      | 25        | 24.21   | 24.20   | 24.23   | 24.17   | 24.19   | 25.00   |
|           |            | 50      | 50        | 24.21   | 24.21   | 24.19   | 24.13   | 24.17   | 25.00   |
|           |            | 100     | 0         | 24.17   | 24.22   | 24.17   | 24.05   | 24.20   | 25.00   |
|           | 16QAM      | 1       | 0         | 24.16   | 24.22   | 24.26   | 24.25   | 24.30   | 25.00   |
|           |            | 1       | 50        | 24.54   | 24.63   | 24.58   | 24.62   | 24.51   | 25.00   |
|           |            | 1       | 99        | 24.43   | 24.48   | 24.46   | 24.43   | 24.42   | 25.00   |
|           |            | 50      | 0         | 23.02   | 23.08   | 23.08   | 22.96   | 23.08   | 24.00   |
|           |            | 50      | 25        | 23.27   | 23.19   | 23.26   | 23.31   | 23.28   | 24.00   |
|           |            | 50      | 50        | 23.09   | 23.10   | 23.21   | 23.12   | 23.12   | 24.00   |
|           |            | 100     | 0         | 23.16   | 23.19   | 23.18   | 23.12   | 23.14   | 24.00   |
|           | 64QAM      | 1       | 0         | 23.16   | 23.22   | 23.21   | 23.10   | 23.21   | 24.00   |
|           |            | 1       | 50        | 23.53   | 23.48   | 23.48   | 23.36   | 23.44   | 24.00   |
|           |            | 1       | 99        | 23.25   | 23.36   | 23.36   | 23.41   | 23.24   | 24.00   |
|           |            | 50      | 0         | 22.10   | 22.05   | 22.12   | 22.08   | 22.15   | 23.00   |
|           |            | 50      | 25        | 22.18   | 22.22   | 22.26   | 22.19   | 22.22   | 23.00   |
|           |            | 50      | 50        | 22.10   | 22.13   | 22.19   | 22.14   | 22.11   | 23.00   |
|           |            | 100     | 0         | 22.27   | 22.12   | 22.22   | 22.22   | 22.25   | 23.00   |

| LTE Band 42 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz        | QPSK       | 1       | 0         | 13.43                | 13.54   | 13.58   | 15.00   |
|             |            | 1       | 13        | 13.70                | 13.82   | 13.95   | 15.00   |
|             |            | 1       | 24        | 14.03                | 14.06   | 14.02   | 15.00   |
|             |            | 12      | 0         | 13.01                | 13.04   | 12.93   | 14.00   |
|             |            | 12      | 6         | 13.08                | 13.02   | 13.04   | 14.00   |
|             |            | 12      | 13        | 13.11                | 13.10   | 13.15   | 14.00   |
|             |            | 25      | 0         | 13.23                | 13.09   | 13.15   | 14.00   |
|             | 16QAM      | 1       | 0         | 12.98                | 13.06   | 13.09   | 14.00   |
|             |            | 1       | 13        | 13.14                | 13.04   | 13.24   | 14.00   |
|             |            | 1       | 24        | 13.12                | 13.20   | 13.36   | 14.00   |
|             |            | 12      | 0         | 12.03                | 11.78   | 11.96   | 13.00   |
|             |            | 12      | 6         | 12.20                | 12.18   | 12.06   | 13.00   |
|             |            | 12      | 13        | 12.18                | 12.15   | 12.30   | 13.00   |
|             |            | 25      | 0         | 12.00                | 12.07   | 12.00   | 13.00   |
|             | 64QAM      | 1       | 0         | 11.76                | 11.85   | 11.73   | 13.00   |
|             |            | 1       | 13        | 11.94                | 12.14   | 11.96   | 13.00   |
|             |            | 1       | 24        | 12.30                | 12.22   | 12.31   | 13.00   |
|             |            | 12      | 0         | 10.96                | 10.94   | 10.95   | 12.00   |
|             |            | 12      | 6         | 11.09                | 11.15   | 11.20   | 12.00   |
|             |            | 12      | 13        | 11.16                | 11.25   | 11.34   | 12.00   |
|             |            | 25      | 0         | 11.18                | 11.04   | 11.19   | 12.00   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 42140                | 42590   | 43040   |         |
| 10MHz       | QPSK       | 1       | 0         | 13.47                | 13.48   | 13.72   | 15.00   |
|             |            | 1       | 25        | 13.73                | 13.73   | 13.92   | 15.00   |
|             |            | 1       | 49        | 13.99                | 14.04   | 14.04   | 15.00   |
|             |            | 25      | 0         | 13.07                | 13.14   | 12.94   | 14.00   |
|             |            | 25      | 13        | 13.08                | 13.07   | 13.13   | 14.00   |
|             |            | 25      | 25        | 13.17                | 13.14   | 13.24   | 14.00   |
|             |            | 50      | 0         | 13.09                | 13.18   | 13.10   | 14.00   |
|             | 16QAM      | 1       | 0         | 12.97                | 13.02   | 13.00   | 14.00   |
|             |            | 1       | 25        | 13.30                | 13.16   | 13.19   | 14.00   |
|             |            | 1       | 49        | 13.17                | 13.24   | 13.31   | 14.00   |
|             |            | 25      | 0         | 12.08                | 11.80   | 11.97   | 13.00   |
|             |            | 25      | 13        | 12.21                | 12.12   | 12.16   | 13.00   |
|             |            | 25      | 25        | 12.32                | 12.14   | 12.18   | 13.00   |
|             |            | 50      | 0         | 11.98                | 12.16   | 12.01   | 13.00   |
|             | 64QAM      | 1       | 0         | 11.86                | 11.75   | 11.76   | 13.00   |
|             |            | 1       | 25        | 11.91                | 12.02   | 12.03   | 13.00   |
|             |            | 1       | 49        | 12.15                | 12.19   | 12.22   | 13.00   |
|             |            | 25      | 0         | 10.94                | 10.91   | 11.05   | 12.00   |
|             |            | 25      | 13        | 11.21                | 11.19   | 11.21   | 12.00   |
|             |            | 25      | 25        | 11.25                | 11.35   | 11.25   | 12.00   |
|             |            | 50      | 0         | 11.13                | 11.01   | 11.18   | 12.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 42165        | 42590        | 43015        |         |
| 15MHz     | QPSK       | 1       | 0         | 13.56        | 13.46        | 13.56        | 15.00   |
|           |            | 1       | 38        | 13.67        | 13.80        | 13.93        | 15.00   |
|           |            | 1       | 74        | 14.04        | 13.93        | 14.06        | 15.00   |
|           |            | 36      | 0         | 13.07        | 13.09        | 12.88        | 14.00   |
|           |            | 36      | 18        | 13.02        | 13.04        | 13.08        | 14.00   |
|           |            | 36      | 39        | 13.26        | 13.17        | 13.14        | 14.00   |
|           |            | 75      | 0         | 13.20        | 13.11        | 13.08        | 14.00   |
|           | 16QAM      | 1       | 0         | 13.11        | 12.94        | 13.07        | 14.00   |
|           |            | 1       | 38        | 13.18        | 13.04        | 13.20        | 14.00   |
|           |            | 1       | 74        | 13.14        | 13.19        | 13.23        | 14.00   |
|           |            | 36      | 0         | 12.01        | 11.94        | 11.90        | 13.00   |
|           |            | 36      | 18        | 12.21        | 12.19        | 12.12        | 13.00   |
|           |            | 36      | 39        | 12.24        | 12.23        | 12.18        | 13.00   |
|           |            | 75      | 0         | 12.07        | 12.11        | 12.08        | 13.00   |
|           | 64QAM      | 1       | 0         | 11.83        | 11.80        | 11.85        | 13.00   |
|           |            | 1       | 38        | 11.84        | 12.12        | 12.10        | 13.00   |
|           |            | 1       | 74        | 12.27        | 12.16        | 12.25        | 13.00   |
|           |            | 36      | 0         | 10.93        | 11.02        | 11.01        | 12.00   |
|           |            | 36      | 18        | 11.13        | 11.10        | 11.09        | 12.00   |
|           |            | 36      | 39        | 11.13        | 11.25        | 11.33        | 12.00   |
|           |            | 75      | 0         | 11.10        | 11.00        | 11.03        | 12.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 42190        | 42590        | 42990        |         |
| 20MHz     | QPSK       | 1       | 0         | 13.52        | 13.54        | 13.67        | 15.00   |
|           |            | 1       | 50        | 13.79        | 13.82        | 13.98        | 15.00   |
|           |            | 1       | 99        | <b>14.01</b> | <b>14.03</b> | 14.12        | 15.00   |
|           |            | 50      | 0         | 13.11        | 13.15        | 12.99        | 14.00   |
|           |            | 50      | 25        | 13.06        | 13.09        | 13.16        | 14.00   |
|           |            | 50      | 50        | 13.21        | 13.18        | <b>13.24</b> | 14.00   |
|           |            | 100     | 0         | 13.21        | 13.15        | 13.17        | 14.00   |
|           | 16QAM      | 1       | 0         | 13.06        | 13.04        | 13.06        | 14.00   |
|           |            | 1       | 50        | 13.26        | 13.12        | 13.21        | 14.00   |
|           |            | 1       | 99        | 13.23        | 13.25        | 13.33        | 14.00   |
|           |            | 50      | 0         | 12.03        | 11.90        | 11.98        | 13.00   |
|           |            | 50      | 25        | 12.21        | 12.21        | 12.18        | 13.00   |
|           |            | 50      | 50        | 12.28        | 12.23        | 12.28        | 13.00   |
|           |            | 100     | 0         | 12.06        | 12.15        | 12.12        | 13.00   |
|           | 64QAM      | 1       | 0         | 11.86        | 11.85        | 11.81        | 13.00   |
|           |            | 1       | 50        | 11.96        | 12.11        | 12.08        | 13.00   |
|           |            | 1       | 99        | 12.25        | 12.20        | 12.32        | 13.00   |
|           |            | 50      | 0         | 11.01        | 10.99        | 11.02        | 12.00   |
|           |            | 50      | 25        | 11.19        | 11.21        | 11.18        | 12.00   |
|           |            | 50      | 50        | 11.20        | 11.33        | 11.29        | 12.00   |
|           |            | 100     | 0         | 11.19        | 11.10        | 11.14        | 12.00   |

## 1.6 Conducted Power of LTE Ant3

| 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         | 23.96                | 24.03   | 23.85   | 24.50   |
|            |            | 1       | 2         | 23.80                | 23.92   | 23.88   | 24.50   |
|            |            | 1       | 5         | 23.64                | 23.71   | 23.74   | 24.50   |
|            |            | 3       | 0         | 23.94                | 24.00   | 23.97   | 24.50   |
|            |            | 3       | 2         | 23.80                | 23.91   | 23.98   | 24.50   |
|            |            | 3       | 3         | 23.66                | 23.85   | 23.74   | 24.50   |
|            |            | 6       | 0         | 22.80                | 22.88   | 22.92   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.04                | 23.16   | 23.07   | 23.50   |
|            |            | 1       | 2         | 23.17                | 23.12   | 23.05   | 23.50   |
|            |            | 1       | 5         | 23.19                | 23.31   | 23.22   | 23.50   |
|            |            | 3       | 0         | 23.16                | 23.07   | 23.07   | 23.50   |
|            |            | 3       | 2         | 23.31                | 23.14   | 23.11   | 23.50   |
|            |            | 3       | 3         | 23.15                | 23.26   | 23.20   | 23.50   |
|            |            | 6       | 0         | 21.97                | 21.94   | 22.00   | 22.50   |
|            | 64QAM      | 1       | 0         | 21.98                | 22.06   | 21.95   | 22.50   |
|            |            | 1       | 2         | 22.18                | 22.26   | 22.23   | 22.50   |
|            |            | 1       | 5         | 21.80                | 21.92   | 21.65   | 22.50   |
|            |            | 3       | 0         | 21.96                | 22.09   | 22.00   | 22.50   |
|            |            | 3       | 2         | 22.20                | 22.19   | 22.24   | 22.50   |
|            |            | 3       | 3         | 21.83                | 21.90   | 21.71   | 22.50   |
|            |            | 6       | 0         | 21.07                | 20.93   | 20.93   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz       | QPSK       | 1       | 0         | 23.96                | 24.01   | 24.01   | 24.50   |
|            |            | 1       | 7         | 23.90                | 23.86   | 23.95   | 24.50   |
|            |            | 1       | 14        | 23.71                | 23.81   | 23.73   | 24.50   |
|            |            | 8       | 0         | 22.98                | 23.02   | 23.00   | 23.50   |
|            |            | 8       | 4         | 22.96                | 23.09   | 22.90   | 23.50   |
|            |            | 8       | 7         | 23.01                | 22.83   | 22.86   | 23.50   |
|            |            | 15      | 0         | 22.91                | 22.88   | 22.95   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.06                | 23.05   | 23.04   | 23.50   |
|            |            | 1       | 7         | 23.31                | 23.25   | 23.08   | 23.50   |
|            |            | 1       | 14        | 23.19                | 23.17   | 23.22   | 23.50   |
|            |            | 8       | 0         | 22.01                | 21.94   | 21.85   | 22.50   |
|            |            | 8       | 4         | 22.00                | 22.13   | 22.06   | 22.50   |
|            |            | 8       | 7         | 22.04                | 22.01   | 21.93   | 22.50   |
|            |            | 15      | 0         | 21.94                | 22.02   | 22.02   | 22.50   |
|            | 64QAM      | 1       | 0         | 21.97                | 22.14   | 21.95   | 22.50   |
|            |            | 1       | 7         | 22.28                | 22.18   | 22.32   | 22.50   |
|            |            | 1       | 14        | 21.91                | 21.92   | 21.80   | 22.50   |
|            |            | 8       | 0         | 20.87                | 20.94   | 20.78   | 21.50   |
|            |            | 8       | 4         | 20.94                | 21.05   | 21.00   | 21.50   |
|            |            | 8       | 7         | 20.90                | 20.96   | 21.04   | 21.50   |
|            |            | 15      | 0         | 21.02                | 21.02   | 20.81   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 24.00   | 24.05   | 23.84   | 24.50   |
|           |            | 1       | 13        | 23.79   | 24.02   | 23.92   | 24.50   |
|           |            | 1       | 24        | 23.72   | 23.85   | 23.83   | 24.50   |
|           |            | 12      | 0         | 23.00   | 23.05   | 22.98   | 23.50   |
|           |            | 12      | 6         | 22.94   | 22.94   | 22.95   | 23.50   |
|           |            | 12      | 13        | 22.99   | 22.95   | 22.87   | 23.50   |
|           |            | 25      | 0         | 22.92   | 22.99   | 22.86   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.11   | 23.06   | 23.21   | 23.50   |
|           |            | 1       | 13        | 23.17   | 23.27   | 23.12   | 23.50   |
|           |            | 1       | 24        | 23.20   | 23.18   | 23.10   | 23.50   |
|           |            | 12      | 0         | 21.93   | 22.03   | 21.89   | 22.50   |
|           |            | 12      | 6         | 21.99   | 22.05   | 22.09   | 22.50   |
|           |            | 12      | 13        | 22.09   | 21.95   | 22.05   | 22.50   |
|           |            | 25      | 0         | 21.92   | 22.03   | 21.93   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.97   | 22.05   | 22.12   | 22.50   |
|           |            | 1       | 13        | 22.17   | 22.21   | 22.22   | 22.50   |
|           |            | 1       | 24        | 21.75   | 21.80   | 21.64   | 22.50   |
|           |            | 12      | 0         | 20.84   | 20.90   | 20.84   | 21.50   |
|           |            | 12      | 6         | 20.97   | 21.09   | 21.08   | 21.50   |
|           |            | 12      | 13        | 20.97   | 20.99   | 21.04   | 21.50   |
|           |            | 25      | 0         | 21.06   | 21.04   | 20.92   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 24.05   | 24.10   | 23.96   | 24.50   |
|           |            | 1       | 25        | 23.91   | 23.98   | 23.98   | 24.50   |
|           |            | 1       | 49        | 23.73   | 23.83   | 23.80   | 24.50   |
|           |            | 25      | 0         | 23.00   | 23.04   | 22.95   | 23.50   |
|           |            | 25      | 13        | 22.94   | 23.06   | 22.99   | 23.50   |
|           |            | 25      | 25        | 22.96   | 22.95   | 22.85   | 23.50   |
|           |            | 50      | 0         | 22.88   | 22.97   | 22.95   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.11   | 23.14   | 23.16   | 23.50   |
|           |            | 1       | 25        | 23.28   | 23.23   | 23.14   | 23.50   |
|           |            | 1       | 49        | 23.19   | 23.26   | 23.17   | 23.50   |
|           |            | 25      | 0         | 22.03   | 21.99   | 21.90   | 22.50   |
|           |            | 25      | 13        | 22.10   | 22.14   | 22.04   | 22.50   |
|           |            | 25      | 25        | 22.07   | 22.06   | 22.04   | 22.50   |
|           |            | 50      | 0         | 21.94   | 22.06   | 22.03   | 22.50   |
|           | 64QAM      | 1       | 0         | 22.03   | 22.12   | 22.07   | 22.50   |
|           |            | 1       | 25        | 22.23   | 22.30   | 22.29   | 22.50   |
|           |            | 1       | 49        | 21.86   | 21.88   | 21.76   | 22.50   |
|           |            | 25      | 0         | 20.91   | 20.94   | 20.90   | 21.50   |
|           |            | 25      | 13        | 20.95   | 21.06   | 21.06   | 21.50   |
|           |            | 25      | 25        | 20.94   | 21.00   | 21.02   | 21.50   |
|           |            | 50      | 0         | 21.03   | 21.01   | 20.92   | 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         | 22.42                | 22.37   | 22.42   | 23.00   |
|             |            | 1       | 2         | 22.23                | 22.17   | 22.18   | 23.00   |
|             |            | 1       | 5         | 22.12                | 21.98   | 22.05   | 23.00   |
|             |            | 3       | 0         | 21.03                | 20.89   | 20.96   | 22.00   |
|             |            | 3       | 2         | 21.47                | 21.27   | 21.21   | 22.00   |
|             |            | 3       | 3         | 21.10                | 21.29   | 21.30   | 22.00   |
|             | 16QAM      | 6       | 0         | 21.33                | 21.12   | 21.13   | 22.00   |
|             |            | 1       | 0         | 21.56                | 21.68   | 21.49   | 22.00   |
|             |            | 1       | 2         | 21.80                | 21.77   | 21.69   | 22.00   |
|             |            | 1       | 5         | 21.15                | 21.25   | 21.18   | 22.00   |
|             |            | 3       | 0         | 20.14                | 20.09   | 20.14   | 21.00   |
|             |            | 3       | 2         | 20.09                | 19.96   | 20.00   | 21.00   |
|             | 64QAM      | 3       | 3         | 20.13                | 20.31   | 20.08   | 21.00   |
|             |            | 6       | 0         | 20.22                | 20.11   | 20.05   | 21.00   |
|             |            | 1       | 0         | 20.36                | 20.25   | 20.12   | 21.00   |
|             |            | 1       | 2         | 20.57                | 20.56   | 20.42   | 21.00   |
|             |            | 1       | 5         | 20.33                | 20.22   | 20.19   | 21.00   |
|             |            | 3       | 0         | 19.13                | 19.16   | 19.16   | 20.00   |
| 3MHz        | QPSK       | 3       | 2         | 19.24                | 19.20   | 19.13   | 20.00   |
|             |            | 3       | 3         | 19.24                | 19.13   | 19.15   | 20.00   |
|             |            | 6       | 0         | 19.21                | 19.17   | 19.27   | 20.00   |
|             | 16QAM      | 1       | 0         | 22.41                | 22.28   | 22.34   | 23.00   |
|             |            | 1       | 7         | 22.18                | 22.11   | 22.25   | 23.00   |
|             |            | 1       | 14        | 22.13                | 22.12   | 22.00   | 23.00   |
|             | 64QAM      | 8       | 0         | 21.06                | 20.92   | 20.94   | 22.00   |
|             |            | 8       | 4         | 21.52                | 21.36   | 21.27   | 22.00   |
|             |            | 8       | 7         | 21.10                | 21.15   | 21.22   | 22.00   |
|             | 16QAM      | 15      | 0         | 21.23                | 21.10   | 21.15   | 22.00   |
|             |            | 1       | 0         | 21.62                | 21.54   | 21.58   | 22.00   |
|             |            | 1       | 7         | 21.75                | 21.84   | 21.67   | 22.00   |
|             |            | 1       | 14        | 21.23                | 21.21   | 21.23   | 22.00   |
|             | 64QAM      | 8       | 0         | 20.08                | 20.13   | 20.18   | 21.00   |
|             |            | 8       | 4         | 20.02                | 20.05   | 20.07   | 21.00   |
|             |            | 8       | 7         | 20.28                | 20.28   | 20.23   | 21.00   |
|             | 16QAM      | 15      | 0         | 20.18                | 20.07   | 20.15   | 21.00   |
|             |            | 1       | 0         | 20.28                | 20.32   | 20.10   | 21.00   |
|             |            | 1       | 7         | 20.56                | 20.59   | 20.58   | 21.00   |
|             | 64QAM      | 1       | 14        | 20.21                | 20.19   | 20.26   | 21.00   |
|             |            | 8       | 0         | 19.19                | 19.17   | 19.19   | 20.00   |
|             |            | 8       | 4         | 19.11                | 19.24   | 19.07   | 20.00   |
|             |            | 8       | 7         | 19.14                | 19.07   | 19.19   | 20.00   |
|             |            | 15      | 0         | 19.34                | 19.25   | 19.27   | 20.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 23035        | 23095        | 23155        |         |
| 5MHz      | QPSK       | 1       | 0         | 22.44        | 22.30        | 22.37        | 23.00   |
|           |            | 1       | 13        | 22.14        | 22.04        | 22.19        | 23.00   |
|           |            | 1       | 24        | 22.17        | 22.07        | 22.04        | 23.00   |
|           |            | 12      | 0         | 21.04        | 21.03        | 21.04        | 22.00   |
|           |            | 12      | 6         | 21.50        | 21.28        | 21.21        | 22.00   |
|           |            | 12      | 13        | 21.21        | 21.30        | 21.21        | 22.00   |
|           |            | 25      | 0         | 21.18        | 21.19        | 21.17        | 22.00   |
|           | 16QAM      | 1       | 0         | 21.64        | 21.52        | 21.61        | 22.00   |
|           |            | 1       | 13        | 21.68        | 21.82        | 21.64        | 22.00   |
|           |            | 1       | 24        | 21.29        | 21.25        | 21.28        | 22.00   |
|           |            | 12      | 0         | 20.20        | 20.18        | 20.17        | 21.00   |
|           |            | 12      | 6         | 20.11        | 19.99        | 20.00        | 21.00   |
|           |            | 12      | 13        | 20.23        | 20.26        | 20.10        | 21.00   |
|           |            | 25      | 0         | 20.18        | 20.24        | 20.04        | 21.00   |
|           | 64QAM      | 1       | 0         | 20.30        | 20.20        | 20.13        | 21.00   |
|           |            | 1       | 13        | 20.48        | 20.57        | 20.52        | 21.00   |
|           |            | 1       | 24        | 20.27        | 20.14        | 20.15        | 21.00   |
|           |            | 12      | 0         | 19.18        | 19.09        | 19.14        | 20.00   |
|           |            | 12      | 6         | 19.21        | 19.18        | 19.20        | 20.00   |
|           |            | 12      | 13        | 19.11        | 19.07        | 19.16        | 20.00   |
|           |            | 25      | 0         | 19.18        | 19.16        | 19.31        | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 23060        | 23095        | 23130        |         |
| 10MHz     | QPSK       | 1       | 0         | <b>22.49</b> | <b>22.39</b> | <b>22.42</b> | 23.00   |
|           |            | 1       | 25        | 22.23        | 22.12        | 22.22        | 23.00   |
|           |            | 1       | 49        | 22.15        | 22.08        | 22.09        | 23.00   |
|           |            | 25      | 0         | 21.11        | 21.00        | 21.04        | 22.00   |
|           |            | 25      | 13        | <b>21.49</b> | 21.36        | 21.33        | 22.00   |
|           |            | 25      | 25        | 21.22        | 21.27        | 21.25        | 22.00   |
|           |            | 50      | 0         | <b>21.28</b> | 21.21        | 21.17        | 22.00   |
|           | 16QAM      | 1       | 0         | 21.62        | 21.64        | 21.59        | 22.00   |
|           |            | 1       | 25        | 21.79        | 21.84        | 21.74        | 22.00   |
|           |            | 1       | 49        | 21.26        | 21.20        | 21.29        | 22.00   |
|           |            | 25      | 0         | 20.17        | 20.16        | 20.16        | 21.00   |
|           |            | 25      | 13        | 20.14        | 20.07        | 20.02        | 21.00   |
|           |            | 25      | 25        | 20.25        | 20.26        | 20.19        | 21.00   |
|           |            | 50      | 0         | 20.23        | 20.19        | 20.14        | 21.00   |
|           | 64QAM      | 1       | 0         | 20.34        | 20.30        | 20.22        | 21.00   |
|           |            | 1       | 25        | 20.56        | 20.55        | 20.54        | 21.00   |
|           |            | 1       | 49        | 20.31        | 20.23        | 20.23        | 21.00   |
|           |            | 25      | 0         | 19.14        | 19.16        | 19.17        | 20.00   |
|           |            | 25      | 13        | 19.23        | 19.21        | 19.15        | 20.00   |
|           |            | 25      | 25        | 19.21        | 19.13        | 19.24        | 20.00   |
|           |            | 50      | 0         | 19.30        | 19.23        | 19.33        | 20.00   |

| LTE Band 12 (Simultaneous transmission) |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                         |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                                  | QPSK       | 1       | 0         | 21.44                | 21.41   | 21.49   | 22.00   |
|                                         |            | 1       | 2         | 21.52                | 21.45   | 21.48   | 22.00   |
|                                         |            | 1       | 5         | 21.39                | 21.48   | 21.45   | 22.00   |
|                                         |            | 3       | 0         | 21.44                | 21.45   | 21.57   | 22.00   |
|                                         |            | 3       | 2         | 21.36                | 21.46   | 21.58   | 22.00   |
|                                         |            | 3       | 3         | 21.34                | 21.40   | 21.37   | 22.00   |
|                                         |            | 6       | 0         | 20.41                | 20.40   | 20.51   | 21.00   |
|                                         | 16QAM      | 1       | 0         | 20.57                | 20.63   | 20.66   | 21.00   |
|                                         |            | 1       | 2         | 20.60                | 20.68   | 20.44   | 21.00   |
|                                         |            | 1       | 5         | 20.62                | 20.57   | 20.37   | 21.00   |
|                                         |            | 3       | 0         | 20.43                | 20.66   | 20.57   | 21.00   |
|                                         |            | 3       | 2         | 20.75                | 20.60   | 20.47   | 21.00   |
|                                         |            | 3       | 3         | 20.53                | 20.58   | 20.40   | 21.00   |
|                                         |            | 6       | 0         | 19.53                | 19.55   | 19.41   | 20.00   |
|                                         | 64QAM      | 1       | 0         | 19.56                | 19.68   | 19.44   | 20.00   |
|                                         |            | 1       | 2         | 19.42                | 19.52   | 19.43   | 20.00   |
|                                         |            | 1       | 5         | 19.46                | 19.53   | 19.56   | 20.00   |
|                                         |            | 3       | 0         | 19.56                | 19.68   | 19.57   | 20.00   |
|                                         |            | 3       | 2         | 19.48                | 19.49   | 19.51   | 20.00   |
|                                         |            | 3       | 3         | 19.48                | 19.45   | 19.53   | 20.00   |
|                                         |            | 6       | 0         | 18.40                | 18.41   | 18.37   | 19.00   |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                         |            |         |           | 23025                | 23095   | 23165   |         |
| 3MHz                                    | QPSK       | 1       | 0         | 21.43                | 21.43   | 21.55   | 22.00   |
|                                         |            | 1       | 7         | 21.48                | 21.42   | 21.44   | 22.00   |
|                                         |            | 1       | 14        | 21.43                | 21.48   | 21.41   | 22.00   |
|                                         |            | 8       | 0         | 20.40                | 20.45   | 20.41   | 21.00   |
|                                         |            | 8       | 4         | 20.39                | 20.42   | 20.33   | 21.00   |
|                                         |            | 8       | 7         | 20.49                | 20.46   | 20.50   | 21.00   |
|                                         |            | 15      | 0         | 20.39                | 20.41   | 20.35   | 21.00   |
|                                         | 16QAM      | 1       | 0         | 20.46                | 20.65   | 20.58   | 21.00   |
|                                         |            | 1       | 7         | 20.67                | 20.54   | 20.59   | 21.00   |
|                                         |            | 1       | 14        | 20.61                | 20.50   | 20.43   | 21.00   |
|                                         |            | 8       | 0         | 19.33                | 19.39   | 19.35   | 20.00   |
|                                         |            | 8       | 4         | 19.29                | 19.50   | 19.55   | 20.00   |
|                                         |            | 8       | 7         | 19.46                | 19.47   | 19.48   | 20.00   |
|                                         |            | 15      | 0         | 19.47                | 19.44   | 19.44   | 20.00   |
|                                         | 64QAM      | 1       | 0         | 19.56                | 19.69   | 19.57   | 20.00   |
|                                         |            | 1       | 7         | 19.47                | 19.58   | 19.47   | 20.00   |
|                                         |            | 1       | 14        | 19.36                | 19.56   | 19.46   | 20.00   |
|                                         |            | 8       | 0         | 18.65                | 18.58   | 18.67   | 19.00   |
|                                         |            | 8       | 4         | 18.63                | 18.60   | 18.48   | 19.00   |
|                                         |            | 8       | 7         | 18.51                | 18.56   | 18.44   | 19.00   |
|                                         |            | 15      | 0         | 18.50                | 18.37   | 18.47   | 19.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 21.46   | 21.50   | 21.49   | 22.00   |
|           |            | 1       | 13        | 21.49   | 21.50   | 21.56   | 22.00   |
|           |            | 1       | 24        | 21.34   | 21.48   | 21.43   | 22.00   |
|           |            | 12      | 0         | 20.40   | 20.54   | 20.31   | 21.00   |
|           |            | 12      | 6         | 20.30   | 20.51   | 20.36   | 21.00   |
|           |            | 12      | 13        | 20.52   | 20.57   | 20.52   | 21.00   |
|           |            | 25      | 0         | 20.47   | 20.42   | 20.39   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.49   | 20.67   | 20.58   | 21.00   |
|           |            | 1       | 13        | 20.73   | 20.59   | 20.59   | 21.00   |
|           |            | 1       | 24        | 20.60   | 20.51   | 20.43   | 21.00   |
|           |            | 12      | 0         | 19.25   | 19.32   | 19.38   | 20.00   |
|           |            | 12      | 6         | 19.32   | 19.50   | 19.57   | 20.00   |
|           |            | 12      | 13        | 19.52   | 19.53   | 19.57   | 20.00   |
|           |            | 25      | 0         | 19.38   | 19.49   | 19.42   | 20.00   |
|           | 64QAM      | 1       | 0         | 19.60   | 19.67   | 19.45   | 20.00   |
|           |            | 1       | 13        | 19.54   | 19.63   | 19.55   | 20.00   |
|           |            | 1       | 24        | 19.35   | 19.43   | 19.41   | 20.00   |
|           |            | 12      | 0         | 18.50   | 18.57   | 18.63   | 19.00   |
|           |            | 12      | 6         | 18.64   | 18.46   | 18.51   | 19.00   |
|           |            | 12      | 13        | 18.51   | 18.59   | 18.50   | 19.00   |
|           |            | 25      | 0         | 18.53   | 18.47   | 18.34   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23060   | 23095   | 23130   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.49   | 21.51   | 21.56   | 22.00   |
|           |            | 1       | 25        | 21.47   | 21.50   | 21.56   | 22.00   |
|           |            | 1       | 49        | 21.46   | 21.47   | 21.49   | 22.00   |
|           |            | 25      | 0         | 20.47   | 20.51   | 20.42   | 21.00   |
|           |            | 25      | 13        | 20.39   | 20.46   | 20.34   | 21.00   |
|           |            | 25      | 25        | 20.47   | 20.55   | 20.55   | 21.00   |
|           |            | 50      | 0         | 20.51   | 20.47   | 20.47   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.55   | 20.63   | 20.61   | 21.00   |
|           |            | 1       | 25        | 20.70   | 20.66   | 20.54   | 21.00   |
|           |            | 1       | 49        | 20.61   | 20.58   | 20.46   | 21.00   |
|           |            | 25      | 0         | 19.34   | 19.44   | 19.46   | 20.00   |
|           |            | 25      | 13        | 19.37   | 19.49   | 19.52   | 20.00   |
|           |            | 25      | 25        | 19.47   | 19.53   | 19.53   | 20.00   |
|           |            | 50      | 0         | 19.48   | 19.51   | 19.43   | 20.00   |
|           | 64QAM      | 1       | 0         | 19.60   | 19.66   | 19.54   | 20.00   |
|           |            | 1       | 25        | 19.54   | 19.58   | 19.51   | 20.00   |
|           |            | 1       | 49        | 19.44   | 19.53   | 19.51   | 20.00   |
|           |            | 25      | 0         | 18.62   | 18.61   | 18.62   | 19.00   |
|           |            | 25      | 13        | 18.60   | 18.55   | 18.60   | 19.00   |
|           |            | 25      | 25        | 18.59   | 18.56   | 18.47   | 19.00   |
|           |            | 50      | 0         | 18.51   | 18.49   | 18.45   | 19.00   |

| LTE Band 17 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz        | QPSK       | 1       | 0         | 22.43                | 22.46   | 22.55   | 23.00   |
|             |            | 1       | 13        | 22.57                | 22.41   | 22.60   | 23.00   |
|             |            | 1       | 24        | 22.30                | 22.32   | 22.27   | 23.00   |
|             |            | 12      | 0         | 21.57                | 21.57   | 21.51   | 22.00   |
|             |            | 12      | 6         | 21.53                | 21.50   | 21.56   | 22.00   |
|             |            | 12      | 13        | 21.42                | 21.39   | 21.50   | 22.00   |
|             |            | 25      | 0         | 21.50                | 21.47   | 21.64   | 22.00   |
|             | 16QAM      | 1       | 0         | 21.40                | 21.55   | 21.43   | 22.00   |
|             |            | 1       | 13        | 21.76                | 21.73   | 21.76   | 22.00   |
|             |            | 1       | 24        | 21.74                | 21.57   | 21.61   | 22.00   |
|             |            | 12      | 0         | 20.43                | 20.39   | 20.53   | 21.00   |
|             |            | 12      | 6         | 20.65                | 20.64   | 20.66   | 21.00   |
|             |            | 12      | 13        | 20.47                | 20.33   | 20.53   | 21.00   |
|             |            | 25      | 0         | 20.40                | 20.49   | 20.63   | 21.00   |
|             | 64QAM      | 1       | 0         | 20.62                | 20.61   | 20.51   | 21.00   |
|             |            | 1       | 13        | 20.52                | 20.58   | 20.65   | 21.00   |
|             |            | 1       | 24        | 20.27                | 20.07   | 20.15   | 21.00   |
|             |            | 12      | 0         | 19.48                | 19.52   | 19.53   | 20.00   |
|             |            | 12      | 6         | 19.54                | 19.59   | 19.58   | 20.00   |
|             |            | 12      | 13        | 19.56                | 19.64   | 19.64   | 20.00   |
|             |            | 25      | 0         | 19.36                | 19.25   | 19.41   | 20.00   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz       | QPSK       | 1       | 0         | 22.44                | 22.57   | 22.60   | 23.00   |
|             |            | 1       | 25        | 22.64                | 22.52   | 22.56   | 23.00   |
|             |            | 1       | 49        | 22.41                | 22.42   | 22.36   | 23.00   |
|             |            | 25      | 0         | 21.59                | 21.60   | 21.54   | 22.00   |
|             |            | 25      | 13        | 21.55                | 21.48   | 21.57   | 22.00   |
|             |            | 25      | 25        | 21.49                | 21.48   | 21.47   | 22.00   |
|             |            | 50      | 0         | 21.45                | 21.58   | 21.59   | 22.00   |
|             | 16QAM      | 1       | 0         | 21.44                | 21.57   | 21.54   | 22.00   |
|             |            | 1       | 25        | 21.76                | 21.72   | 21.72   | 22.00   |
|             |            | 1       | 49        | 21.72                | 21.68   | 21.69   | 22.00   |
|             |            | 25      | 0         | 20.49                | 20.41   | 20.61   | 21.00   |
|             |            | 25      | 13        | 20.69                | 20.63   | 20.69   | 21.00   |
|             |            | 25      | 25        | 20.50                | 20.38   | 20.59   | 21.00   |
|             |            | 50      | 0         | 20.42                | 20.61   | 20.61   | 21.00   |
|             | 64QAM      | 1       | 0         | 20.60                | 20.56   | 20.62   | 21.00   |
|             |            | 1       | 25        | 20.53                | 20.65   | 20.73   | 21.00   |
|             |            | 1       | 49        | 20.31                | 20.10   | 20.26   | 21.00   |
|             |            | 25      | 0         | 19.61                | 19.55   | 19.51   | 20.00   |
|             |            | 25      | 13        | 19.60                | 19.56   | 19.63   | 20.00   |
|             |            | 25      | 25        | 19.58                | 19.67   | 19.66   | 20.00   |
|             |            | 50      | 0         | 19.39                | 19.33   | 19.45   | 20.00   |

| LTE Band 17 (Simultaneous transmission) |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                         |            |         |           | 23755                | 23790   | 23825   |         |
| 5MHz                                    | QPSK       | 1       | 0         | 21.60                | 21.67   | 21.51   | 22.00   |
|                                         |            | 1       | 13        | 21.44                | 21.55   | 21.53   | 22.00   |
|                                         |            | 1       | 24        | 21.46                | 21.46   | 21.30   | 22.00   |
|                                         |            | 12      | 0         | 20.40                | 20.45   | 20.32   | 21.00   |
|                                         |            | 12      | 6         | 20.32                | 20.46   | 20.54   | 21.00   |
|                                         |            | 12      | 13        | 20.51                | 20.59   | 20.56   | 21.00   |
|                                         |            | 25      | 0         | 20.21                | 20.45   | 20.28   | 21.00   |
|                                         | 16QAM      | 1       | 0         | 20.58                | 20.54   | 20.65   | 21.00   |
|                                         |            | 1       | 13        | 20.61                | 20.64   | 20.60   | 21.00   |
|                                         |            | 1       | 24        | 20.43                | 20.58   | 20.46   | 21.00   |
|                                         |            | 12      | 0         | 19.49                | 19.50   | 19.46   | 20.00   |
|                                         |            | 12      | 6         | 19.33                | 19.57   | 19.59   | 20.00   |
|                                         |            | 12      | 13        | 19.52                | 19.52   | 19.63   | 20.00   |
|                                         |            | 25      | 0         | 19.47                | 19.53   | 19.44   | 20.00   |
|                                         | 64QAM      | 1       | 0         | 19.60                | 19.55   | 19.49   | 20.00   |
|                                         |            | 1       | 13        | 19.48                | 19.64   | 19.69   | 20.00   |
|                                         |            | 1       | 24        | 19.50                | 19.51   | 19.61   | 20.00   |
|                                         |            | 12      | 0         | 18.65                | 18.58   | 18.61   | 19.00   |
|                                         |            | 12      | 6         | 18.41                | 18.43   | 18.55   | 19.00   |
|                                         |            | 12      | 13        | 18.52                | 18.42   | 18.32   | 19.00   |
|                                         |            | 25      | 0         | 18.45                | 18.43   | 18.42   | 19.00   |
| Bandwidth                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                         |            |         |           | 23780                | 23790   | 23800   |         |
| 10MHz                                   | QPSK       | 1       | 0         | 21.61                | 21.65   | 21.62   | 22.00   |
|                                         |            | 1       | 25        | 21.56                | 21.60   | 21.61   | 22.00   |
|                                         |            | 1       | 49        | 21.46                | 21.43   | 21.42   | 22.00   |
|                                         |            | 25      | 0         | 20.48                | 20.52   | 20.43   | 21.00   |
|                                         |            | 25      | 13        | 20.39                | 20.48   | 20.50   | 21.00   |
|                                         |            | 25      | 25        | 20.52                | 20.56   | 20.51   | 21.00   |
|                                         |            | 50      | 0         | 20.30                | 20.41   | 20.38   | 21.00   |
|                                         | 16QAM      | 1       | 0         | 20.58                | 20.57   | 20.61   | 21.00   |
|                                         |            | 1       | 25        | 20.56                | 20.62   | 20.67   | 21.00   |
|                                         |            | 1       | 49        | 20.50                | 20.61   | 20.52   | 21.00   |
|                                         |            | 25      | 0         | 19.55                | 19.55   | 19.49   | 20.00   |
|                                         |            | 25      | 13        | 19.44                | 19.54   | 19.56   | 20.00   |
|                                         |            | 25      | 25        | 19.53                | 19.62   | 19.65   | 20.00   |
|                                         |            | 50      | 0         | 19.43                | 19.50   | 19.52   | 20.00   |
|                                         | 64QAM      | 1       | 0         | 19.67                | 19.62   | 19.58   | 20.00   |
|                                         |            | 1       | 25        | 19.52                | 19.61   | 19.65   | 20.00   |
|                                         |            | 1       | 49        | 19.50                | 19.55   | 19.58   | 20.00   |
|                                         |            | 25      | 0         | 18.63                | 18.59   | 18.63   | 19.00   |
|                                         |            | 25      | 13        | 18.45                | 18.54   | 18.50   | 19.00   |
|                                         |            | 25      | 25        | 18.56                | 18.51   | 18.41   | 19.00   |
|                                         |            | 50      | 0         | 18.49                | 18.50   | 18.39   | 19.00   |

| 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         | 23.91                | 24.07   | 24.11   | 24.50   |
|             |            | 1       | 2         | 23.95                | 24.03   | 24.06   | 24.50   |
|             |            | 1       | 5         | 23.91                | 23.94   | 23.83   | 24.50   |
|             |            | 3       | 0         | 24.07                | 23.95   | 24.07   | 24.50   |
|             |            | 3       | 2         | 24.06                | 23.99   | 24.07   | 24.50   |
|             |            | 3       | 3         | 23.81                | 23.87   | 23.82   | 24.50   |
|             |            | 6       | 0         | 22.80                | 22.73   | 22.85   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.97                | 23.01   | 23.00   | 23.50   |
|             |            | 1       | 2         | 22.79                | 22.73   | 22.84   | 23.50   |
|             |            | 1       | 5         | 22.89                | 22.79   | 22.90   | 23.50   |
|             |            | 3       | 0         | 22.78                | 22.79   | 22.86   | 23.50   |
|             |            | 3       | 2         | 22.82                | 22.73   | 22.96   | 23.50   |
|             |            | 3       | 3         | 22.79                | 22.59   | 22.72   | 23.50   |
|             |            | 6       | 0         | 21.77                | 21.84   | 21.74   | 22.50   |
|             | 64QAM      | 1       | 0         | 22.00                | 22.08   | 21.96   | 22.50   |
|             |            | 1       | 2         | 21.95                | 22.01   | 21.92   | 22.50   |
|             |            | 1       | 5         | 21.90                | 21.97   | 21.78   | 22.50   |
|             |            | 3       | 0         | 21.92                | 21.77   | 21.82   | 22.50   |
|             |            | 3       | 2         | 21.62                | 21.56   | 21.74   | 22.50   |
|             |            | 3       | 3         | 21.74                | 21.78   | 21.75   | 22.50   |
|             |            | 6       | 0         | 20.69                | 20.87   | 20.90   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz        | QPSK       | 1       | 0         | 23.97                | 23.96   | 24.05   | 24.50   |
|             |            | 1       | 7         | 24.01                | 24.10   | 24.07   | 24.50   |
|             |            | 1       | 14        | 23.92                | 23.87   | 23.94   | 24.50   |
|             |            | 8       | 0         | 22.78                | 22.88   | 22.84   | 23.50   |
|             |            | 8       | 4         | 22.66                | 22.74   | 22.78   | 23.50   |
|             |            | 8       | 7         | 22.62                | 22.71   | 22.69   | 23.50   |
|             |            | 15      | 0         | 22.89                | 22.76   | 22.76   | 23.50   |
|             | 16QAM      | 1       | 0         | 23.11                | 23.07   | 22.99   | 23.50   |
|             |            | 1       | 7         | 22.80                | 22.73   | 22.92   | 23.50   |
|             |            | 1       | 14        | 22.91                | 22.89   | 22.94   | 23.50   |
|             |            | 8       | 0         | 21.68                | 21.88   | 21.75   | 22.50   |
|             |            | 8       | 4         | 21.84                | 21.84   | 21.84   | 22.50   |
|             |            | 8       | 7         | 21.68                | 21.55   | 21.70   | 22.50   |
|             |            | 15      | 0         | 21.81                | 21.72   | 21.72   | 22.50   |
|             | 64QAM      | 1       | 0         | 22.00                | 21.99   | 21.98   | 22.50   |
|             |            | 1       | 7         | 21.91                | 22.02   | 22.00   | 22.50   |
|             |            | 1       | 14        | 21.85                | 21.89   | 21.77   | 22.50   |
|             |            | 8       | 0         | 20.84                | 20.82   | 20.85   | 21.50   |
|             |            | 8       | 4         | 20.60                | 20.66   | 20.76   | 21.50   |
|             |            | 8       | 7         | 20.72                | 20.74   | 20.77   | 21.50   |
|             |            | 15      | 0         | 20.71                | 20.96   | 20.82   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 26715                | 26865   | 27015   |         |
| 5MHz        | QPSK       | 1       | 0         | 23.91                | 24.05   | 24.15   | 24.50   |
|             |            | 1       | 13        | 23.98                | 23.94   | 24.11   | 24.50   |
|             |            | 1       | 24        | 23.87                | 23.85   | 23.82   | 24.50   |
|             |            | 12      | 0         | 22.78                | 22.91   | 22.79   | 23.50   |
|             |            | 12      | 6         | 22.78                | 22.79   | 22.90   | 23.50   |
|             |            | 12      | 13        | 22.74                | 22.56   | 22.83   | 23.50   |
|             |            | 25      | 0         | 22.88                | 22.75   | 22.85   | 23.50   |
|             | 16QAM      | 1       | 0         | 23.08                | 22.96   | 22.93   | 23.50   |
|             |            | 1       | 13        | 22.73                | 22.67   | 22.81   | 23.50   |
|             |            | 1       | 24        | 22.77                | 22.86   | 22.86   | 23.50   |
|             |            | 12      | 0         | 21.71                | 21.90   | 21.79   | 22.50   |
|             |            | 12      | 6         | 21.88                | 21.82   | 21.87   | 22.50   |
|             |            | 12      | 13        | 21.63                | 21.60   | 21.72   | 22.50   |
|             |            | 25      | 0         | 21.86                | 21.85   | 21.74   | 22.50   |
|             | 64QAM      | 1       | 0         | 22.07                | 21.97   | 22.09   | 22.50   |
|             |            | 1       | 13        | 21.96                | 22.05   | 21.88   | 22.50   |
|             |            | 1       | 24        | 21.84                | 21.82   | 21.84   | 22.50   |
|             |            | 12      | 0         | 20.90                | 20.84   | 20.78   | 21.50   |
|             |            | 12      | 6         | 20.72                | 20.56   | 20.78   | 21.50   |
|             |            | 12      | 13        | 20.62                | 20.69   | 20.62   | 21.50   |
|             |            | 25      | 0         | 20.67                | 20.86   | 20.83   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 26750        | 26865        | 26990        |         |
| 10MHz     | QPSK       | 1       | 0         | 23.93        | 24.07        | 24.09        | 24.50   |
|           |            | 1       | 25        | 24.04        | 24.05        | 24.05        | 24.50   |
|           |            | 1       | 49        | 23.84        | 23.85        | 23.87        | 24.50   |
|           |            | 25      | 0         | 22.84        | 22.83        | 22.80        | 23.50   |
|           |            | 25      | 13        | 22.77        | 22.79        | 22.90        | 23.50   |
|           |            | 25      | 25        | 22.57        | 22.72        | 22.76        | 23.50   |
|           |            | 50      | 0         | 22.79        | 22.72        | 22.83        | 23.50   |
|           | 16QAM      | 1       | 0         | 23.08        | 23.05        | 23.09        | 23.50   |
|           |            | 1       | 25        | 22.76        | 22.78        | 22.90        | 23.50   |
|           |            | 1       | 49        | 22.91        | 22.88        | 22.82        | 23.50   |
|           |            | 25      | 0         | 21.62        | 21.88        | 21.77        | 22.50   |
|           |            | 25      | 13        | 21.74        | 21.76        | 21.86        | 22.50   |
|           |            | 25      | 25        | 21.64        | 21.65        | 21.73        | 22.50   |
|           |            | 50      | 0         | 21.79        | 21.88        | 21.71        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.96        | 22.01        | 21.99        | 22.50   |
|           |            | 1       | 25        | 21.91        | 22.06        | 21.99        | 22.50   |
|           |            | 1       | 49        | 21.84        | 21.89        | 21.82        | 22.50   |
|           |            | 25      | 0         | 20.93        | 20.70        | 20.78        | 21.50   |
|           |            | 25      | 13        | 20.56        | 20.55        | 20.70        | 21.50   |
|           |            | 25      | 25        | 20.73        | 20.66        | 20.64        | 21.50   |
|           |            | 50      | 0         | 20.76        | 20.82        | 20.83        | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 26765        | 26865        | 26965        |         |
| 15MHz     | QPSK       | 1       | 0         | <b>24.02</b> | <b>24.05</b> | <b>24.16</b> | 24.50   |
|           |            | 1       | 38        | 24.00        | 24.03        | 24.08        | 24.50   |
|           |            | 1       | 74        | 23.90        | 23.94        | 23.89        | 24.50   |
|           |            | 36      | 0         | 22.84        | 22.83        | 22.84        | 23.50   |
|           |            | 36      | 18        | 22.77        | 22.81        | <b>22.85</b> | 23.50   |
|           |            | 36      | 39        | 22.69        | 22.68        | 22.80        | 23.50   |
|           |            | 75      | 0         | 22.86        | 22.83        | 22.84        | 23.50   |
|           | 16QAM      | 1       | 0         | 23.07        | 23.06        | 23.05        | 23.50   |
|           |            | 1       | 38        | 22.84        | 22.76        | 22.87        | 23.50   |
|           |            | 1       | 74        | 22.88        | 22.88        | 22.91        | 23.50   |
|           |            | 36      | 0         | 21.74        | 21.90        | 21.85        | 22.50   |
|           |            | 36      | 18        | 21.84        | 21.84        | 21.92        | 22.50   |
|           |            | 36      | 39        | 21.75        | 21.64        | 21.76        | 22.50   |
|           |            | 75      | 0         | 21.85        | 21.83        | 21.81        | 22.50   |
|           | 64QAM      | 1       | 0         | 22.08        | 22.07        | 22.04        | 22.50   |
|           |            | 1       | 38        | 21.92        | 22.03        | 21.99        | 22.50   |
|           |            | 1       | 74        | 21.92        | 21.92        | 21.87        | 22.50   |
|           |            | 36      | 0         | 20.89        | 20.80        | 20.89        | 21.50   |
|           |            | 36      | 18        | 20.68        | 20.66        | 20.78        | 21.50   |
|           |            | 36      | 39        | 20.73        | 20.77        | 20.73        | 21.50   |
|           |            | 75      | 0         | 20.77        | 20.91        | 20.88        | 21.50   |

## 1.7 Conducted Power of LTE Ant7

| LTE Band 42 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz        | QPSK       | 1       | 0         | 17.77                | 17.24   | 16.99   | 18.00   |
|             |            | 1       | 13        | 17.76                | 17.12   | 17.03   | 18.00   |
|             |            | 1       | 24        | 17.61                | 17.16   | 17.06   | 18.00   |
|             |            | 12      | 0         | 16.81                | 16.85   | 16.85   | 17.00   |
|             |            | 12      | 6         | 16.78                | 16.78   | 16.76   | 17.00   |
|             |            | 12      | 13        | 16.72                | 16.64   | 16.63   | 17.00   |
|             |            | 25      | 0         | 16.76                | 16.69   | 16.66   | 17.00   |
|             | 16QAM      | 1       | 0         | 16.94                | 16.75   | 16.71   | 17.00   |
|             |            | 1       | 13        | 16.83                | 16.83   | 16.96   | 17.00   |
|             |            | 1       | 24        | 16.73                | 16.71   | 16.70   | 17.00   |
|             |            | 12      | 0         | 15.88                | 15.90   | 15.82   | 16.00   |
|             |            | 12      | 6         | 15.77                | 15.70   | 15.72   | 16.00   |
|             |            | 12      | 13        | 15.59                | 15.64   | 15.69   | 16.00   |
|             |            | 25      | 0         | 15.76                | 15.70   | 15.79   | 16.00   |
|             | 64QAM      | 1       | 0         | 15.72                | 15.69   | 15.57   | 16.00   |
|             |            | 1       | 13        | 15.80                | 15.88   | 15.81   | 16.00   |
|             |            | 1       | 24        | 15.68                | 15.49   | 15.60   | 16.00   |
|             |            | 12      | 0         | 14.84                | 14.82   | 14.70   | 15.00   |
|             |            | 12      | 6         | 14.77                | 14.73   | 14.84   | 15.00   |
|             |            | 12      | 13        | 14.70                | 14.64   | 14.64   | 15.00   |
|             |            | 25      | 0         | 14.83                | 14.71   | 14.72   | 15.00   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 42140                | 42590   | 43040   |         |
| 10MHz       | QPSK       | 1       | 0         | 17.79                | 17.21   | 17.06   | 18.00   |
|             |            | 1       | 25        | 17.63                | 17.05   | 16.93   | 18.00   |
|             |            | 1       | 49        | 17.55                | 17.17   | 17.05   | 18.00   |
|             |            | 25      | 0         | 16.85                | 16.83   | 16.90   | 17.00   |
|             |            | 25      | 13        | 16.73                | 16.66   | 16.81   | 17.00   |
|             |            | 25      | 25        | 16.78                | 16.69   | 16.58   | 17.00   |
|             |            | 50      | 0         | 16.76                | 16.67   | 16.67   | 17.00   |
|             | 16QAM      | 1       | 0         | 16.89                | 16.87   | 16.71   | 17.00   |
|             |            | 1       | 25        | 16.86                | 16.81   | 17.00   | 17.00   |
|             |            | 1       | 49        | 16.85                | 16.77   | 16.84   | 17.00   |
|             |            | 25      | 0         | 15.89                | 15.88   | 15.85   | 16.00   |
|             |            | 25      | 13        | 15.84                | 15.80   | 15.69   | 16.00   |
|             |            | 25      | 25        | 15.76                | 15.68   | 15.62   | 16.00   |
|             |            | 50      | 0         | 15.61                | 15.61   | 15.78   | 16.00   |
|             | 64QAM      | 1       | 0         | 15.80                | 15.62   | 15.64   | 16.00   |
|             |            | 1       | 25        | 15.73                | 15.78   | 15.88   | 16.00   |
|             |            | 1       | 49        | 15.58                | 15.50   | 15.66   | 16.00   |
|             |            | 25      | 0         | 14.83                | 14.83   | 14.74   | 15.00   |
|             |            | 25      | 13        | 14.74                | 14.72   | 14.90   | 15.00   |
|             |            | 25      | 25        | 14.78                | 14.68   | 14.69   | 15.00   |
|             |            | 50      | 0         | 14.82                | 14.72   | 14.70   | 15.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 42165        | 42590        | 43015        |         |
| 15MHz     | QPSK       | 1       | 0         | 17.80        | 17.16        | 17.11        | 18.00   |
|           |            | 1       | 38        | 17.77        | 17.04        | 16.91        | 18.00   |
|           |            | 1       | 74        | 17.55        | 17.08        | 17.09        | 18.00   |
|           |            | 36      | 0         | 16.87        | 16.82        | 16.89        | 17.00   |
|           |            | 36      | 18        | 16.75        | 16.66        | 16.74        | 17.00   |
|           |            | 36      | 39        | 16.64        | 16.55        | 16.69        | 17.00   |
|           |            | 75      | 0         | 16.71        | 16.70        | 16.65        | 17.00   |
|           | 16QAM      | 1       | 0         | 16.88        | 16.85        | 16.76        | 17.00   |
|           |            | 1       | 38        | 16.95        | 16.84        | 16.89        | 17.00   |
|           |            | 1       | 74        | 16.78        | 16.65        | 16.72        | 17.00   |
|           |            | 36      | 0         | 15.77        | 15.92        | 15.70        | 16.00   |
|           |            | 36      | 18        | 15.73        | 15.80        | 15.77        | 16.00   |
|           |            | 36      | 39        | 15.61        | 15.67        | 15.77        | 16.00   |
|           |            | 75      | 0         | 15.76        | 15.71        | 15.75        | 16.00   |
|           | 64QAM      | 1       | 0         | 15.68        | 15.66        | 15.58        | 16.00   |
|           |            | 1       | 38        | 15.77        | 15.80        | 15.79        | 16.00   |
|           |            | 1       | 74        | 15.68        | 15.49        | 15.59        | 16.00   |
|           |            | 36      | 0         | 14.90        | 14.74        | 14.81        | 15.00   |
|           |            | 36      | 18        | 14.82        | 14.66        | 14.86        | 15.00   |
|           |            | 36      | 39        | 14.73        | 14.65        | 14.65        | 15.00   |
|           |            | 75      | 0         | 14.79        | 14.79        | 14.73        | 15.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 42190        | 42590        | 42990        |         |
| 20MHz     | QPSK       | 1       | 0         | <b>17.84</b> | <b>17.19</b> | <b>17.06</b> | 18.00   |
|           |            | 1       | 50        | 17.72        | 17.11        | 17.03        | 18.00   |
|           |            | 1       | 99        | 17.62        | 17.14        | 17.05        | 18.00   |
|           |            | 50      | 0         | <b>16.87</b> | 16.80        | 16.85        | 17.00   |
|           |            | 50      | 25        | 16.79        | 16.76        | 16.78        | 17.00   |
|           |            | 50      | 50        | 16.74        | 16.66        | 16.66        | 17.00   |
|           |            | 100     | 0         | 16.75        | 16.70        | 16.69        | 17.00   |
|           | 16QAM      | 1       | 0         | 16.89        | 16.86        | 16.80        | 17.00   |
|           |            | 1       | 50        | 16.95        | 16.90        | 17.00        | 17.00   |
|           |            | 1       | 99        | 16.85        | 16.77        | 16.82        | 17.00   |
|           |            | 50      | 0         | 15.87        | 15.91        | 15.81        | 16.00   |
|           |            | 50      | 25        | 15.84        | 15.82        | 15.78        | 16.00   |
|           |            | 50      | 50        | 15.71        | 15.70        | 15.74        | 16.00   |
|           |            | 100     | 0         | 15.73        | 15.71        | 15.74        | 16.00   |
|           | 64QAM      | 1       | 0         | 15.78        | 15.73        | 15.66        | 16.00   |
|           |            | 1       | 50        | 15.83        | 15.85        | 15.88        | 16.00   |
|           |            | 1       | 99        | 15.67        | 15.58        | 15.70        | 16.00   |
|           |            | 50      | 0         | 14.90        | 14.83        | 14.78        | 15.00   |
|           |            | 50      | 25        | 14.82        | 14.72        | 14.85        | 15.00   |
|           |            | 50      | 50        | 14.75        | 14.67        | 14.64        | 15.00   |
|           |            | 100     | 0         | 14.79        | 14.79        | 14.79        | 15.00   |

## 1.8 Conducted Power of LTE Ant8

| LTE Band 2 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz     | QPSK       | 1       | 0         | 18607                | 18900   | 19193   |         |
|            |            | 1       | 2         | 23.51                | 23.63   | 23.73   | 24.50   |
|            |            | 1       | 5         | 23.38                | 23.40   | 23.43   | 24.50   |
|            |            | 3       | 0         | 23.58                | 23.55   | 23.56   | 24.50   |
|            |            | 3       | 2         | 23.59                | 23.58   | 23.79   | 24.50   |
|            |            | 3       | 2         | 23.45                | 23.51   | 23.40   | 24.50   |
|            |            | 3       | 3         | 23.49                | 23.51   | 23.56   | 24.50   |
|            | 16QAM      | 6       | 0         | 22.62                | 22.51   | 22.59   | 23.50   |
|            |            | 1       | 0         | 22.76                | 22.65   | 22.67   | 23.50   |
|            |            | 1       | 2         | 22.52                | 22.48   | 22.66   | 23.50   |
|            |            | 1       | 5         | 22.64                | 22.61   | 22.74   | 23.50   |
|            |            | 3       | 0         | 22.68                | 22.68   | 22.77   | 23.50   |
|            |            | 3       | 2         | 22.43                | 22.53   | 22.62   | 23.50   |
|            |            | 3       | 3         | 22.62                | 22.63   | 22.72   | 23.50   |
|            | 64QAM      | 6       | 0         | 21.55                | 21.58   | 21.62   | 22.50   |
|            |            | 1       | 0         | 21.55                | 21.60   | 21.81   | 22.50   |
|            |            | 1       | 2         | 21.66                | 21.53   | 21.75   | 22.50   |
|            |            | 1       | 5         | 21.67                | 21.64   | 21.58   | 22.50   |
|            |            | 3       | 0         | 21.61                | 21.61   | 21.79   | 22.50   |
|            |            | 3       | 2         | 21.78                | 21.56   | 21.60   | 22.50   |
|            |            | 3       | 3         | 21.61                | 21.62   | 21.64   | 22.50   |
|            |            | 6       | 0         | 20.60                | 20.66   | 20.65   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz       | QPSK       | 1       | 0         | 18615                | 18900   | 19185   |         |
|            |            | 1       | 7         | 23.59                | 23.59   | 23.87   | 24.50   |
|            |            | 1       | 14        | 23.39                | 23.52   | 23.49   | 24.50   |
|            |            | 1       | 14        | 23.58                | 23.58   | 23.43   | 24.50   |
|            |            | 8       | 0         | 22.37                | 22.47   | 22.50   | 23.50   |
|            |            | 8       | 4         | 22.65                | 22.53   | 22.67   | 23.50   |
|            |            | 8       | 7         | 22.57                | 22.52   | 22.56   | 23.50   |
|            | 16QAM      | 15      | 0         | 22.58                | 22.60   | 22.69   | 23.50   |
|            |            | 1       | 0         | 22.74                | 22.78   | 22.83   | 23.50   |
|            |            | 1       | 7         | 22.46                | 22.50   | 22.56   | 23.50   |
|            |            | 1       | 14        | 22.70                | 22.72   | 22.78   | 23.50   |
|            |            | 8       | 0         | 21.44                | 21.42   | 21.49   | 22.50   |
|            |            | 8       | 4         | 21.43                | 21.69   | 21.54   | 22.50   |
|            |            | 8       | 7         | 21.34                | 21.45   | 21.43   | 22.50   |
|            | 64QAM      | 15      | 0         | 21.47                | 21.49   | 21.58   | 22.50   |
|            |            | 1       | 0         | 21.63                | 21.71   | 21.78   | 22.50   |
|            |            | 1       | 7         | 21.79                | 21.58   | 21.64   | 22.50   |
|            |            | 1       | 14        | 21.68                | 21.71   | 21.67   | 22.50   |
|            |            | 8       | 0         | 20.50                | 20.43   | 20.52   | 21.50   |
|            |            | 8       | 4         | 20.59                | 20.47   | 20.56   | 21.50   |
|            |            | 8       | 7         | 20.46                | 20.57   | 20.59   | 21.50   |
|            |            | 15      | 0         | 20.49                | 20.60   | 20.50   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 5MHz       | QPSK       | 1       | 0         | 18625                | 18900   | 19175   |         |
|            |            | 1       | 13        | 23.63                | 23.65   | 23.75   | 24.50   |
|            |            | 1       | 24        | 23.47                | 23.42   | 23.35   | 24.50   |
|            |            | 1       | 24        | 23.55                | 23.59   | 23.50   | 24.50   |
|            |            | 12      | 0         | 22.37                | 22.45   | 22.48   | 23.50   |
|            |            | 12      | 6         | 22.60                | 22.49   | 22.63   | 23.50   |
|            |            | 12      | 13        | 22.52                | 22.51   | 22.52   | 23.50   |
|            | 16QAM      | 25      | 0         | 22.52                | 22.56   | 22.66   | 23.50   |
|            |            | 1       | 0         | 22.78                | 22.75   | 22.74   | 23.50   |
|            |            | 1       | 13        | 22.54                | 22.55   | 22.69   | 23.50   |
|            |            | 1       | 24        | 22.65                | 22.74   | 22.78   | 23.50   |
|            |            | 12      | 0         | 21.55                | 21.47   | 21.39   | 22.50   |
|            |            | 12      | 6         | 21.45                | 21.70   | 21.67   | 22.50   |
|            |            | 12      | 13        | 21.36                | 21.33   | 21.42   | 22.50   |
|            | 64QAM      | 25      | 0         | 21.50                | 21.48   | 21.51   | 22.50   |
|            |            | 1       | 0         | 21.58                | 21.62   | 21.67   | 22.50   |
|            |            | 1       | 13        | 21.78                | 21.65   | 21.75   | 22.50   |
|            |            | 1       | 24        | 21.68                | 21.71   | 21.71   | 22.50   |
|            |            | 12      | 0         | 20.48                | 20.43   | 20.49   | 21.50   |
|            |            | 12      | 6         | 20.51                | 20.48   | 20.57   | 21.50   |
|            |            | 12      | 13        | 20.49                | 20.50   | 20.52   | 21.50   |
|            |            | 25      | 0         | 20.50                | 20.66   | 20.50   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.53   | 23.70   | 23.84   | 24.50   |
|           |            | 1       | 25        | 23.36   | 23.37   | 23.46   | 24.50   |
|           |            | 1       | 49        | 23.50   | 23.54   | 23.54   | 24.50   |
|           |            | 25      | 0         | 22.40   | 22.39   | 22.57   | 23.50   |
|           |            | 25      | 13        | 22.74   | 22.47   | 22.58   | 23.50   |
|           |            | 25      | 25        | 22.63   | 22.51   | 22.51   | 23.50   |
|           |            | 50      | 0         | 22.63   | 22.51   | 22.58   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.75   | 22.71   | 22.67   | 23.50   |
|           |            | 1       | 25        | 22.56   | 22.48   | 22.63   | 23.50   |
|           |            | 1       | 49        | 22.69   | 22.59   | 22.71   | 23.50   |
|           |            | 25      | 0         | 21.46   | 21.50   | 21.44   | 22.50   |
|           |            | 25      | 13        | 21.49   | 21.60   | 21.64   | 22.50   |
|           |            | 25      | 25        | 21.36   | 21.33   | 21.47   | 22.50   |
|           |            | 50      | 0         | 21.50   | 21.52   | 21.54   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.52   | 21.70   | 21.75   | 22.50   |
|           |            | 1       | 25        | 21.68   | 21.57   | 21.65   | 22.50   |
|           |            | 1       | 49        | 21.58   | 21.59   | 21.56   | 22.50   |
|           |            | 25      | 0         | 20.54   | 20.41   | 20.45   | 21.50   |
|           |            | 25      | 13        | 20.54   | 20.51   | 20.52   | 21.50   |
|           |            | 25      | 25        | 20.52   | 20.59   | 20.49   | 21.50   |
|           |            | 50      | 0         | 20.66   | 20.67   | 20.54   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.60   | 23.61   | 23.89   | 24.50   |
|           |            | 1       | 38        | 23.31   | 23.49   | 23.40   | 24.50   |
|           |            | 1       | 74        | 23.63   | 23.57   | 23.55   | 24.50   |
|           |            | 36      | 0         | 22.38   | 22.43   | 22.53   | 23.50   |
|           |            | 36      | 18        | 22.65   | 22.60   | 22.58   | 23.50   |
|           |            | 36      | 39        | 22.62   | 22.54   | 22.54   | 23.50   |
|           |            | 75      | 0         | 22.55   | 22.46   | 22.53   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.81   | 22.79   | 22.70   | 23.50   |
|           |            | 1       | 38        | 22.58   | 22.54   | 22.59   | 23.50   |
|           |            | 1       | 74        | 22.68   | 22.63   | 22.78   | 23.50   |
|           |            | 36      | 0         | 21.52   | 21.51   | 21.52   | 22.50   |
|           |            | 36      | 18        | 21.54   | 21.64   | 21.60   | 22.50   |
|           |            | 36      | 39        | 21.48   | 21.47   | 21.46   | 22.50   |
|           |            | 75      | 0         | 21.48   | 21.49   | 21.51   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.64   | 21.62   | 21.70   | 22.50   |
|           |            | 1       | 38        | 21.74   | 21.58   | 21.64   | 22.50   |
|           |            | 1       | 74        | 21.62   | 21.63   | 21.59   | 22.50   |
|           |            | 36      | 0         | 20.39   | 20.58   | 20.41   | 21.50   |
|           |            | 36      | 18        | 20.50   | 20.62   | 20.49   | 21.50   |
|           |            | 36      | 39        | 20.42   | 20.46   | 20.61   | 21.50   |
|           |            | 75      | 0         | 20.57   | 20.70   | 20.51   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 23.60   | 23.69   | 23.84   | 24.50   |
|           |            | 1       | 50        | 23.42   | 23.47   | 23.46   | 24.50   |
|           |            | 1       | 99        | 23.58   | 23.56   | 23.55   | 24.50   |
|           |            | 50      | 0         | 22.42   | 22.45   | 22.52   | 23.50   |
|           |            | 50      | 25        | 22.71   | 22.57   | 22.69   | 23.50   |
|           |            | 50      | 50        | 22.63   | 22.60   | 22.59   | 23.50   |
|           |            | 100     | 0         | 22.64   | 22.57   | 22.64   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.78   | 22.77   | 22.78   | 23.50   |
|           |            | 1       | 50        | 22.54   | 22.60   | 22.66   | 23.50   |
|           |            | 1       | 99        | 22.71   | 22.70   | 22.80   | 23.50   |
|           |            | 50      | 0         | 21.55   | 21.48   | 21.50   | 22.50   |
|           |            | 50      | 25        | 21.55   | 21.68   | 21.65   | 22.50   |
|           |            | 50      | 50        | 21.43   | 21.45   | 21.44   | 22.50   |
|           |            | 100     | 0         | 21.53   | 21.54   | 21.59   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.64   | 21.71   | 21.76   | 22.50   |
|           |            | 1       | 50        | 21.75   | 21.61   | 21.72   | 22.50   |
|           |            | 1       | 99        | 21.68   | 21.71   | 21.67   | 22.50   |
|           |            | 50      | 0         | 20.51   | 20.53   | 20.52   | 21.50   |
|           |            | 50      | 25        | 20.57   | 20.57   | 20.59   | 21.50   |
|           |            | 50      | 50        | 20.47   | 20.55   | 20.57   | 21.50   |
|           |            | 100     | 0         | 20.61   | 20.65   | 20.62   | 21.50   |

| 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         | 24.24                | 24.20   | 24.19   | 24.50   |
|            |            | 1       | 2         | 24.24                | 23.98   | 24.08   | 24.50   |
|            |            | 1       | 5         | 24.31                | 24.19   | 24.22   | 24.50   |
|            |            | 3       | 0         | 24.26                | 24.10   | 24.12   | 24.50   |
|            |            | 3       | 2         | 24.25                | 24.11   | 24.07   | 24.50   |
|            |            | 3       | 3         | 24.29                | 24.17   | 24.30   | 24.50   |
|            |            | 6       | 0         | 23.29                | 23.35   | 23.35   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.39                | 23.50   | 23.50   | 23.50   |
|            |            | 1       | 2         | 23.47                | 23.45   | 23.32   | 23.50   |
|            |            | 1       | 5         | 23.45                | 23.33   | 23.36   | 23.50   |
|            |            | 3       | 0         | 23.45                | 23.44   | 23.41   | 23.50   |
|            |            | 3       | 2         | 23.46                | 23.39   | 23.34   | 23.50   |
|            |            | 3       | 3         | 23.45                | 23.33   | 23.29   | 23.50   |
|            |            | 6       | 0         | 22.38                | 22.19   | 22.36   | 22.50   |
|            | 64QAM      | 1       | 0         | 22.34                | 22.16   | 22.28   | 22.50   |
|            |            | 1       | 2         | 22.33                | 22.36   | 22.34   | 22.50   |
|            |            | 1       | 5         | 22.31                | 22.22   | 22.38   | 22.50   |
|            |            | 3       | 0         | 22.32                | 22.21   | 22.27   | 22.50   |
|            |            | 3       | 2         | 22.38                | 22.35   | 22.36   | 22.50   |
|            |            | 3       | 3         | 22.32                | 22.32   | 22.40   | 22.50   |
|            |            | 6       | 0         | 21.29                | 21.32   | 21.28   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz       | QPSK       | 1       | 0         | 24.22                | 24.24   | 24.20   | 24.50   |
|            |            | 1       | 7         | 24.19                | 24.06   | 24.11   | 24.50   |
|            |            | 1       | 14        | 24.35                | 24.30   | 24.17   | 24.50   |
|            |            | 8       | 0         | 23.22                | 23.21   | 23.17   | 23.50   |
|            |            | 8       | 4         | 23.36                | 23.40   | 23.30   | 23.50   |
|            |            | 8       | 7         | 23.33                | 23.29   | 23.38   | 23.50   |
|            |            | 15      | 0         | 23.39                | 23.41   | 23.30   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.38                | 23.36   | 23.40   | 23.50   |
|            |            | 1       | 7         | 23.44                | 23.43   | 23.37   | 23.50   |
|            |            | 1       | 14        | 23.33                | 23.39   | 23.29   | 23.50   |
|            |            | 8       | 0         | 22.34                | 22.27   | 22.29   | 22.50   |
|            |            | 8       | 4         | 22.26                | 22.33   | 22.21   | 22.50   |
|            |            | 8       | 7         | 22.33                | 22.19   | 22.16   | 22.50   |
|            |            | 15      | 0         | 22.28                | 22.24   | 22.35   | 22.50   |
|            | 64QAM      | 1       | 0         | 22.37                | 22.24   | 22.26   | 22.50   |
|            |            | 1       | 7         | 22.35                | 22.29   | 22.39   | 22.50   |
|            |            | 1       | 14        | 22.32                | 22.29   | 22.42   | 22.50   |
|            |            | 8       | 0         | 21.16                | 21.33   | 21.02   | 21.50   |
|            |            | 8       | 4         | 21.34                | 21.36   | 21.27   | 21.50   |
|            |            | 8       | 7         | 21.37                | 21.32   | 21.33   | 21.50   |
|            |            | 15      | 0         | 21.35                | 21.40   | 21.42   | 21.50   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 19975                | 20175   | 20375   |         |
| 5MHz       | QPSK       | 1       | 0         | 24.22                | 24.20   | 24.26   | 24.50   |
|            |            | 1       | 13        | 24.19                | 23.98   | 24.19   | 24.50   |
|            |            | 1       | 24        | 24.24                | 24.20   | 24.29   | 24.50   |
|            |            | 12      | 0         | 23.26                | 23.10   | 23.25   | 23.50   |
|            |            | 12      | 6         | 23.43                | 23.33   | 23.33   | 23.50   |
|            |            | 12      | 13        | 23.41                | 23.35   | 23.31   | 23.50   |
|            |            | 25      | 0         | 23.26                | 23.45   | 23.18   | 23.50   |
|            | 16QAM      | 1       | 0         | 23.42                | 23.39   | 23.40   | 23.50   |
|            |            | 1       | 13        | 23.37                | 23.43   | 23.39   | 23.50   |
|            |            | 1       | 24        | 23.41                | 23.31   | 23.38   | 23.50   |
|            |            | 12      | 0         | 22.24                | 22.33   | 22.22   | 22.50   |
|            |            | 12      | 6         | 22.39                | 22.29   | 22.21   | 22.50   |
|            |            | 12      | 13        | 22.18                | 22.20   | 22.14   | 22.50   |
|            |            | 25      | 0         | 22.40                | 22.28   | 22.29   | 22.50   |
|            | 64QAM      | 1       | 0         | 22.37                | 22.29   | 22.27   | 22.50   |
|            |            | 1       | 13        | 22.32                | 22.29   | 22.33   | 22.50   |
|            |            | 1       | 24        | 22.36                | 22.34   | 22.35   | 22.50   |
|            |            | 12      | 0         | 21.16                | 21.25   | 21.18   | 21.50   |
|            |            | 12      | 6         | 21.44                | 21.38   | 21.37   | 21.50   |
|            |            | 12      | 13        | 21.33                | 21.32   | 21.36   | 21.50   |
|            |            | 25      | 0         | 21.28                | 21.40   | 21.39   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 24.16   | 24.10   | 24.28   | 24.50   |
|           |            | 1       | 25        | 24.25   | 24.09   | 24.10   | 24.50   |
|           |            | 1       | 49        | 24.25   | 24.30   | 24.22   | 24.50   |
|           |            | 25      | 0         | 23.20   | 23.21   | 23.12   | 23.50   |
|           |            | 25      | 13        | 23.28   | 23.34   | 23.25   | 23.50   |
|           |            | 25      | 25        | 23.40   | 23.41   | 23.36   | 23.50   |
|           |            | 50      | 0         | 23.34   | 23.32   | 23.33   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.39   | 23.44   | 23.39   | 23.50   |
|           |            | 1       | 25        | 23.48   | 23.45   | 23.41   | 23.50   |
|           |            | 1       | 49        | 23.37   | 23.39   | 23.34   | 23.50   |
|           |            | 25      | 0         | 22.24   | 22.33   | 22.25   | 22.50   |
|           |            | 25      | 13        | 22.38   | 22.24   | 22.26   | 22.50   |
|           |            | 25      | 25        | 22.32   | 22.28   | 22.08   | 22.50   |
|           |            | 50      | 0         | 22.25   | 22.25   | 22.27   | 22.50   |
|           | 64QAM      | 1       | 0         | 22.40   | 22.32   | 22.24   | 22.50   |
|           |            | 1       | 25        | 22.45   | 22.43   | 22.28   | 22.50   |
|           |            | 1       | 49        | 22.39   | 22.36   | 22.41   | 22.50   |
|           |            | 25      | 0         | 21.18   | 21.33   | 21.07   | 21.50   |
|           |            | 25      | 13        | 21.31   | 21.45   | 21.37   | 21.50   |
|           |            | 25      | 25        | 21.31   | 21.38   | 21.33   | 21.50   |
|           |            | 50      | 0         | 21.30   | 21.49   | 21.30   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 24.21   | 24.13   | 24.18   | 24.50   |
|           |            | 1       | 38        | 24.12   | 23.99   | 24.06   | 24.50   |
|           |            | 1       | 74        | 24.26   | 24.34   | 24.26   | 24.50   |
|           |            | 36      | 0         | 23.27   | 23.16   | 23.17   | 23.50   |
|           |            | 36      | 18        | 23.36   | 23.27   | 23.25   | 23.50   |
|           |            | 36      | 39        | 23.41   | 23.40   | 23.30   | 23.50   |
|           |            | 75      | 0         | 23.36   | 23.28   | 23.32   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.41   | 23.39   | 23.43   | 23.50   |
|           |            | 1       | 38        | 23.42   | 23.44   | 23.42   | 23.50   |
|           |            | 1       | 74        | 23.44   | 23.23   | 23.40   | 23.50   |
|           |            | 36      | 0         | 22.18   | 22.31   | 22.25   | 22.50   |
|           |            | 36      | 18        | 22.34   | 22.27   | 22.18   | 22.50   |
|           |            | 36      | 39        | 22.30   | 22.23   | 22.07   | 22.50   |
|           |            | 75      | 0         | 22.37   | 22.17   | 22.20   | 22.50   |
|           | 64QAM      | 1       | 0         | 22.23   | 22.18   | 22.16   | 22.50   |
|           |            | 1       | 38        | 22.43   | 22.40   | 22.35   | 22.50   |
|           |            | 1       | 74        | 22.45   | 22.22   | 22.44   | 22.50   |
|           |            | 36      | 0         | 21.14   | 21.17   | 21.06   | 21.50   |
|           |            | 36      | 18        | 21.35   | 21.40   | 21.21   | 21.50   |
|           |            | 36      | 39        | 21.42   | 21.26   | 21.43   | 21.50   |
|           |            | 75      | 0         | 21.32   | 21.46   | 21.40   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 24.26   | 24.21   | 24.23   | 24.50   |
|           |            | 1       | 50        | 24.22   | 24.10   | 24.14   | 24.50   |
|           |            | 1       | 99        | 24.33   | 24.29   | 24.26   | 24.50   |
|           |            | 50      | 0         | 23.27   | 23.22   | 23.24   | 23.50   |
|           |            | 50      | 25        | 23.39   | 23.38   | 23.36   | 23.50   |
|           |            | 50      | 50        | 23.44   | 23.39   | 23.38   | 23.50   |
|           |            | 100     | 0         | 23.36   | 23.40   | 23.30   | 23.50   |
|           | 16QAM      | 1       | 0         | 23.43   | 23.46   | 23.46   | 23.50   |
|           |            | 1       | 50        | 23.47   | 23.49   | 23.43   | 23.50   |
|           |            | 1       | 99        | 23.45   | 23.34   | 23.40   | 23.50   |
|           |            | 50      | 0         | 22.29   | 22.31   | 22.30   | 22.50   |
|           |            | 50      | 25        | 22.35   | 22.35   | 22.28   | 22.50   |
|           |            | 50      | 50        | 22.30   | 22.27   | 22.18   | 22.50   |
|           |            | 100     | 0         | 22.36   | 22.24   | 22.32   | 22.50   |
|           | 64QAM      | 1       | 0         | 22.35   | 22.27   | 22.23   | 22.50   |
|           |            | 1       | 50        | 22.41   | 22.40   | 22.38   | 22.50   |
|           |            | 1       | 99        | 22.42   | 22.34   | 22.47   | 22.50   |
|           |            | 50      | 0         | 21.25   | 21.28   | 21.14   | 21.50   |
|           |            | 50      | 25        | 21.39   | 21.44   | 21.32   | 21.50   |
|           |            | 50      | 50        | 21.42   | 21.36   | 21.40   | 21.50   |
|           |            | 100     | 0         | 21.40   | 21.44   | 21.39   | 21.50   |

| LTE Band 7 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz       | QPSK       | 1       | 0         | 22.50                | 23.21   | 22.75   | 24.00   |
|            |            | 1       | 13        | 22.69                | 23.10   | 22.94   | 24.00   |
|            |            | 1       | 24        | 22.92                | 22.69   | 22.51   | 24.00   |
|            |            | 12      | 0         | 22.21                | 22.21   | 22.18   | 23.00   |
|            |            | 12      | 6         | 22.09                | 22.14   | 22.16   | 23.00   |
|            |            | 12      | 13        | 22.03                | 21.94   | 22.01   | 23.00   |
|            |            | 25      | 0         | 21.84                | 21.97   | 21.97   | 23.00   |
|            | 16QAM      | 1       | 0         | 22.25                | 22.45   | 22.26   | 23.00   |
|            |            | 1       | 13        | 22.28                | 22.28   | 22.24   | 23.00   |
|            |            | 1       | 24        | 21.82                | 21.93   | 21.85   | 23.00   |
|            |            | 12      | 0         | 21.26                | 21.21   | 21.17   | 22.00   |
|            |            | 12      | 6         | 21.16                | 21.20   | 21.04   | 22.00   |
|            |            | 12      | 13        | 21.05                | 21.06   | 21.18   | 22.00   |
|            |            | 25      | 0         | 21.04                | 20.97   | 20.93   | 22.00   |
|            | 64QAM      | 1       | 0         | 21.25                | 21.34   | 21.24   | 22.00   |
|            |            | 1       | 13        | 21.20                | 21.18   | 21.08   | 22.00   |
|            |            | 1       | 24        | 20.99                | 21.02   | 21.04   | 22.00   |
|            |            | 12      | 0         | 20.19                | 20.30   | 20.21   | 21.00   |
|            |            | 12      | 6         | 20.12                | 20.09   | 20.07   | 21.00   |
|            |            | 12      | 13        | 20.29                | 20.28   | 20.32   | 21.00   |
|            |            | 25      | 0         | 20.15                | 20.13   | 20.00   | 21.00   |
| Bandwidth  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|            |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz      | QPSK       | 1       | 0         | 22.57                | 23.16   | 22.84   | 24.00   |
|            |            | 1       | 25        | 22.66                | 23.08   | 22.93   | 24.00   |
|            |            | 1       | 49        | 22.97                | 22.70   | 22.46   | 24.00   |
|            |            | 25      | 0         | 22.29                | 22.20   | 22.18   | 23.00   |
|            |            | 25      | 13        | 22.19                | 22.24   | 22.12   | 23.00   |
|            |            | 25      | 25        | 21.99                | 22.06   | 22.04   | 23.00   |
|            |            | 50      | 0         | 21.87                | 21.97   | 21.86   | 23.00   |
|            | 16QAM      | 1       | 0         | 22.26                | 22.40   | 22.23   | 23.00   |
|            |            | 1       | 25        | 22.18                | 22.20   | 22.13   | 23.00   |
|            |            | 1       | 49        | 21.85                | 22.02   | 21.89   | 23.00   |
|            |            | 25      | 0         | 21.33                | 21.31   | 21.14   | 22.00   |
|            |            | 25      | 13        | 21.22                | 21.19   | 21.09   | 22.00   |
|            |            | 25      | 25        | 21.05                | 21.16   | 21.18   | 22.00   |
|            |            | 50      | 0         | 21.06                | 21.03   | 20.95   | 22.00   |
|            | 64QAM      | 1       | 0         | 21.36                | 21.28   | 21.20   | 22.00   |
|            |            | 1       | 25        | 21.13                | 21.23   | 21.12   | 22.00   |
|            |            | 1       | 49        | 20.98                | 21.01   | 20.94   | 22.00   |
|            |            | 25      | 0         | 20.13                | 20.31   | 20.18   | 21.00   |
|            |            | 25      | 13        | 20.17                | 20.13   | 20.03   | 21.00   |
|            |            | 25      | 25        | 20.30                | 20.21   | 20.23   | 21.00   |
|            |            | 50      | 0         | 20.06                | 20.12   | 19.98   | 21.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 20825        | 21100        | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 22.58        | 23.15        | 22.87        | 24.00   |
|           |            | 1       | 38        | 22.76        | 23.10        | 22.93        | 24.00   |
|           |            | 1       | 74        | 22.93        | 22.69        | 22.44        | 24.00   |
|           |            | 36      | 0         | 22.22        | 22.27        | 22.17        | 23.00   |
|           |            | 36      | 18        | 22.21        | 22.27        | 22.24        | 23.00   |
|           |            | 36      | 39        | 21.94        | 21.97        | 22.04        | 23.00   |
|           |            | 75      | 0         | 21.88        | 21.96        | 21.89        | 23.00   |
|           | 16QAM      | 1       | 0         | 22.30        | 22.41        | 22.35        | 23.00   |
|           |            | 1       | 38        | 22.25        | 22.30        | 22.14        | 23.00   |
|           |            | 1       | 74        | 21.83        | 22.00        | 21.85        | 23.00   |
|           |            | 36      | 0         | 21.26        | 21.26        | 21.15        | 22.00   |
|           |            | 36      | 18        | 21.18        | 21.23        | 21.12        | 22.00   |
|           |            | 36      | 39        | 21.09        | 21.06        | 21.11        | 22.00   |
|           |            | 75      | 0         | 21.04        | 21.09        | 20.88        | 22.00   |
|           | 64QAM      | 1       | 0         | 21.35        | 21.30        | 21.16        | 22.00   |
|           |            | 1       | 38        | 21.15        | 21.20        | 21.08        | 22.00   |
|           |            | 1       | 74        | 20.98        | 21.09        | 20.98        | 22.00   |
|           |            | 36      | 0         | 20.17        | 20.18        | 20.21        | 21.00   |
|           |            | 36      | 18        | 20.13        | 20.13        | 20.07        | 21.00   |
|           |            | 36      | 39        | 20.28        | 20.28        | 20.31        | 21.00   |
|           |            | 75      | 0         | 20.19        | 20.10        | 19.97        | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20850        | 21100        | 21350        |         |
| 20MHz     | QPSK       | 1       | 0         | <b>22.61</b> | <b>23.22</b> | <b>22.86</b> | 24.00   |
|           |            | 1       | 50        | 22.76        | 23.15        | 23.00        | 24.00   |
|           |            | 1       | 99        | 23.04        | 22.79        | 22.53        | 24.00   |
|           |            | 50      | 0         | 22.30        | <b>22.32</b> | 22.28        | 23.00   |
|           |            | 50      | 25        | 22.21        | 22.26        | 22.23        | 23.00   |
|           |            | 50      | 50        | 22.05        | 22.06        | 22.04        | 23.00   |
|           |            | 100     | 0         | 21.95        | 22.00        | 21.98        | 23.00   |
|           | 16QAM      | 1       | 0         | 22.36        | 22.46        | 22.34        | 23.00   |
|           |            | 1       | 50        | 22.28        | 22.32        | 22.24        | 23.00   |
|           |            | 1       | 99        | 21.93        | 22.05        | 21.96        | 23.00   |
|           |            | 50      | 0         | 21.32        | 21.31        | 21.21        | 22.00   |
|           |            | 50      | 25        | 21.21        | 21.26        | 21.16        | 22.00   |
|           |            | 50      | 50        | 21.17        | 21.18        | 21.19        | 22.00   |
|           |            | 100     | 0         | 21.05        | 21.08        | 20.99        | 22.00   |
|           | 64QAM      | 1       | 0         | 21.35        | 21.35        | 21.25        | 22.00   |
|           |            | 1       | 50        | 21.23        | 21.23        | 21.20        | 22.00   |
|           |            | 1       | 99        | 21.07        | 21.13        | 21.03        | 22.00   |
|           |            | 50      | 0         | 20.25        | 20.30        | 20.23        | 21.00   |
|           |            | 50      | 25        | 20.19        | 20.21        | 20.15        | 21.00   |
|           |            | 50      | 50        | 20.29        | 20.32        | 20.32        | 21.00   |
|           |            | 100     | 0         | 20.18        | 20.21        | 20.09        | 21.00   |

| 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         | 23.90                | 23.88   | 23.84   | 24.50   |
|             |            | 1       | 2         | 23.76                | 23.78   | 23.75   | 24.50   |
|             |            | 1       | 5         | 23.65                | 23.56   | 23.52   | 24.50   |
|             |            | 3       | 0         | 23.74                | 23.55   | 23.58   | 24.50   |
|             |            | 3       | 2         | 23.61                | 23.54   | 23.48   | 24.50   |
|             |            | 3       | 3         | 23.44                | 23.45   | 23.39   | 24.50   |
|             |            | 6       | 0         | 22.07                | 21.98   | 21.95   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.45                | 22.32   | 22.42   | 23.50   |
|             |            | 1       | 2         | 22.68                | 22.69   | 22.70   | 23.50   |
|             |            | 1       | 5         | 22.71                | 22.57   | 22.67   | 23.50   |
|             |            | 3       | 0         | 22.33                | 22.37   | 22.25   | 23.50   |
|             |            | 3       | 2         | 22.55                | 22.49   | 22.45   | 23.50   |
|             |            | 3       | 3         | 22.46                | 22.56   | 22.55   | 23.50   |
|             |            | 6       | 0         | 21.59                | 21.53   | 21.54   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.36                | 21.18   | 21.20   | 22.50   |
|             |            | 1       | 2         | 21.66                | 21.55   | 21.58   | 22.50   |
|             |            | 1       | 5         | 21.60                | 21.45   | 21.46   | 22.50   |
|             |            | 3       | 0         | 21.38                | 21.24   | 21.29   | 22.50   |
|             |            | 3       | 2         | 21.57                | 21.57   | 21.53   | 22.50   |
|             |            | 3       | 3         | 21.45                | 21.37   | 21.42   | 22.50   |
|             |            | 6       | 0         | 20.40                | 20.37   | 20.32   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 26055                | 26365   | 26675   |         |
| 3MHz        | QPSK       | 1       | 0         | 24.02                | 23.86   | 23.84   | 24.50   |
|             |            | 1       | 7         | 23.75                | 23.73   | 23.82   | 24.50   |
|             |            | 1       | 14        | 23.69                | 23.67   | 23.52   | 24.50   |
|             |            | 8       | 0         | 22.76                | 22.66   | 22.61   | 23.50   |
|             |            | 8       | 4         | 22.55                | 22.43   | 22.47   | 23.50   |
|             |            | 8       | 7         | 22.55                | 22.45   | 22.38   | 23.50   |
|             |            | 15      | 0         | 22.04                | 21.99   | 22.07   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.50                | 22.41   | 22.52   | 23.50   |
|             |            | 1       | 7         | 22.70                | 22.64   | 22.80   | 23.50   |
|             |            | 1       | 14        | 22.80                | 22.63   | 22.74   | 23.50   |
|             |            | 8       | 0         | 21.40                | 21.37   | 21.19   | 22.50   |
|             |            | 8       | 4         | 21.44                | 21.44   | 21.51   | 22.50   |
|             |            | 8       | 7         | 21.52                | 21.52   | 21.48   | 22.50   |
|             |            | 15      | 0         | 21.54                | 21.56   | 21.45   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.27                | 21.22   | 21.21   | 22.50   |
|             |            | 1       | 7         | 21.66                | 21.63   | 21.67   | 22.50   |
|             |            | 1       | 14        | 21.64                | 21.54   | 21.54   | 22.50   |
|             |            | 8       | 0         | 20.31                | 20.29   | 20.32   | 21.50   |
|             |            | 8       | 4         | 20.60                | 20.61   | 20.49   | 21.50   |
|             |            | 8       | 7         | 20.46                | 20.28   | 20.43   | 21.50   |
|             |            | 15      | 0         | 20.42                | 20.35   | 20.35   | 21.50   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 26065                | 26365   | 26665   |         |
| 5MHz        | QPSK       | 1       | 0         | 24.00                | 23.92   | 23.80   | 24.50   |
|             |            | 1       | 13        | 23.72                | 23.78   | 23.75   | 24.50   |
|             |            | 1       | 24        | 23.71                | 23.69   | 23.52   | 24.50   |
|             |            | 12      | 0         | 22.79                | 22.54   | 22.57   | 23.50   |
|             |            | 12      | 6         | 22.60                | 22.50   | 22.59   | 23.50   |
|             |            | 12      | 13        | 22.52                | 22.53   | 22.47   | 23.50   |
|             |            | 25      | 0         | 22.14                | 21.98   | 21.97   | 23.50   |
|             | 16QAM      | 1       | 0         | 22.50                | 22.34   | 22.47   | 23.50   |
|             |            | 1       | 13        | 22.74                | 22.68   | 22.74   | 23.50   |
|             |            | 1       | 24        | 22.71                | 22.65   | 22.69   | 23.50   |
|             |            | 12      | 0         | 21.30                | 21.31   | 21.21   | 22.50   |
|             |            | 12      | 6         | 21.49                | 21.43   | 21.40   | 22.50   |
|             |            | 12      | 13        | 21.46                | 21.49   | 21.49   | 22.50   |
|             |            | 25      | 0         | 21.54                | 21.59   | 21.48   | 22.50   |
|             | 64QAM      | 1       | 0         | 21.31                | 21.23   | 21.22   | 22.50   |
|             |            | 1       | 13        | 21.60                | 21.59   | 21.67   | 22.50   |
|             |            | 1       | 24        | 21.59                | 21.45   | 21.50   | 22.50   |
|             |            | 12      | 0         | 20.38                | 20.34   | 20.27   | 21.50   |
|             |            | 12      | 6         | 20.56                | 20.51   | 20.51   | 21.50   |
|             |            | 12      | 13        | 20.48                | 20.28   | 20.38   | 21.50   |
|             |            | 25      | 0         | 20.45                | 20.34   | 20.43   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 26090        | 26365        | 26640        |         |
| 10MHz     | QPSK       | 1       | 0         | 23.93        | 23.93        | 23.85        | 24.50   |
|           |            | 1       | 25        | 23.75        | 23.84        | 23.80        | 24.50   |
|           |            | 1       | 49        | 23.61        | 23.57        | 23.51        | 24.50   |
|           |            | 25      | 0         | 22.74        | 22.59        | 22.64        | 23.50   |
|           |            | 25      | 13        | 22.58        | 22.44        | 22.56        | 23.50   |
|           |            | 25      | 25        | 22.57        | 22.46        | 22.39        | 23.50   |
|           |            | 50      | 0         | 22.09        | 21.95        | 21.97        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.53        | 22.32        | 22.41        | 23.50   |
|           |            | 1       | 25        | 22.72        | 22.61        | 22.81        | 23.50   |
|           |            | 1       | 49        | 22.71        | 22.63        | 22.80        | 23.50   |
|           |            | 25      | 0         | 21.38        | 21.42        | 21.28        | 22.50   |
|           |            | 25      | 13        | 21.49        | 21.46        | 21.50        | 22.50   |
|           |            | 25      | 25        | 21.54        | 21.57        | 21.45        | 22.50   |
|           |            | 50      | 0         | 21.60        | 21.51        | 21.53        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.35        | 21.28        | 21.30        | 22.50   |
|           |            | 1       | 25        | 21.68        | 21.60        | 21.59        | 22.50   |
|           |            | 1       | 49        | 21.53        | 21.55        | 21.56        | 22.50   |
|           |            | 25      | 0         | 20.42        | 20.26        | 20.36        | 21.50   |
|           |            | 25      | 13        | 20.65        | 20.52        | 20.49        | 21.50   |
|           |            | 25      | 25        | 20.35        | 20.27        | 20.34        | 21.50   |
|           |            | 50      | 0         | 20.36        | 20.37        | 20.33        | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 26115        | 26365        | 26615        |         |
| 15MHz     | QPSK       | 1       | 0         | 23.91        | 23.96        | 23.86        | 24.50   |
|           |            | 1       | 38        | 23.80        | 23.77        | 23.72        | 24.50   |
|           |            | 1       | 74        | 23.61        | 23.65        | 23.61        | 24.50   |
|           |            | 36      | 0         | 22.73        | 22.56        | 22.66        | 23.50   |
|           |            | 36      | 18        | 22.61        | 22.47        | 22.51        | 23.50   |
|           |            | 36      | 39        | 22.56        | 22.46        | 22.34        | 23.50   |
|           |            | 75      | 0         | 22.01        | 21.97        | 22.00        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.41        | 22.35        | 22.45        | 23.50   |
|           |            | 1       | 38        | 22.80        | 22.63        | 22.78        | 23.50   |
|           |            | 1       | 74        | 22.72        | 22.64        | 22.79        | 23.50   |
|           |            | 36      | 0         | 21.41        | 21.39        | 21.29        | 22.50   |
|           |            | 36      | 18        | 21.45        | 21.53        | 21.46        | 22.50   |
|           |            | 36      | 39        | 21.58        | 21.48        | 21.51        | 22.50   |
|           |            | 75      | 0         | 21.61        | 21.52        | 21.48        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.27        | 21.22        | 21.22        | 22.50   |
|           |            | 1       | 38        | 21.60        | 21.65        | 21.62        | 22.50   |
|           |            | 1       | 74        | 21.58        | 21.55        | 21.55        | 22.50   |
|           |            | 36      | 0         | 20.39        | 20.32        | 20.29        | 21.50   |
|           |            | 36      | 18        | 20.54        | 20.59        | 20.48        | 21.50   |
|           |            | 36      | 39        | 20.43        | 20.33        | 20.38        | 21.50   |
|           |            | 75      | 0         | 20.38        | 20.35        | 20.43        | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 26140        | 26365        | 26590        |         |
| 20MHz     | QPSK       | 1       | 0         | <b>24.01</b> | <b>23.97</b> | <b>23.89</b> | 24.50   |
|           |            | 1       | 50        | 23.83        | 23.84        | 23.82        | 24.50   |
|           |            | 1       | 99        | 23.72        | 23.68        | 23.60        | 24.50   |
|           |            | 50      | 0         | <b>22.82</b> | 22.65        | 22.66        | 23.50   |
|           |            | 50      | 25        | 22.67        | 22.55        | 22.58        | 23.50   |
|           |            | 50      | 50        | 22.56        | 22.54        | 22.46        | 23.50   |
|           |            | 100     | 0         | 22.13        | 22.07        | 22.07        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.53        | 22.44        | 22.51        | 23.50   |
|           |            | 1       | 50        | 22.79        | 22.73        | 22.80        | 23.50   |
|           |            | 1       | 99        | 22.80        | 22.69        | 22.79        | 23.50   |
|           |            | 50      | 0         | 21.42        | 21.42        | 21.30        | 22.50   |
|           |            | 50      | 25        | 21.55        | 21.52        | 21.52        | 22.50   |
|           |            | 50      | 50        | 21.58        | 21.58        | 21.55        | 22.50   |
|           |            | 100     | 0         | 21.62        | 21.61        | 21.55        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.39        | 21.28        | 21.32        | 22.50   |
|           |            | 1       | 50        | 21.72        | 21.67        | 21.66        | 22.50   |
|           |            | 1       | 99        | 21.64        | 21.57        | 21.56        | 22.50   |
|           |            | 50      | 0         | 20.43        | 20.33        | 20.39        | 21.50   |
|           |            | 50      | 25        | 20.65        | 20.63        | 20.60        | 21.50   |
|           |            | 50      | 50        | 20.47        | 20.36        | 20.46        | 21.50   |
|           |            | 100     | 0         | 20.48        | 20.45        | 20.43        | 21.50   |