



Report No.: SUCR260400031703  
Page: 1 of 153

# Appendix E

## Conducted RF Output Power

# 1 Conducted Power of Legacy

## 1.1 Conducted Power of Legacy (Ant0)

| WCDMA Band II Sensor off     |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 22.64 | 22.85 | 22.8  | 24.00   |
|                              | 12.2kbps AMR | 22.64 | 22.81 | 22.71 | 24.00   |
| HSDPA                        | Subtest 1    | 21.74 | 21.86 | 21.86 | 23.00   |
|                              | Subtest 2    | 21.69 | 21.85 | 21.80 | 23.00   |
|                              | Subtest 3    | 21.15 | 21.30 | 21.30 | 22.50   |
|                              | Subtest 4    | 21.15 | 21.31 | 21.32 | 22.50   |
| HSUPA                        | Subtest 1    | 20.23 | 20.43 | 20.34 | 21.50   |
|                              | Subtest 2    | 19.69 | 19.91 | 19.77 | 21.00   |
|                              | Subtest 3    | 20.64 | 20.91 | 20.86 | 22.00   |
|                              | Subtest 4    | 19.62 | 19.90 | 19.90 | 21.00   |
|                              | Subtest 5    | 20.70 | 20.83 | 20.89 | 22.00   |
| DC-HSDPA                     | Subtest 1    | 21.83 | 21.79 | 21.82 | 23.00   |
|                              | Subtest 2    | 21.75 | 21.81 | 21.78 | 23.00   |
|                              | Subtest 3    | 21.10 | 21.23 | 21.26 | 22.50   |
|                              | Subtest 4    | 21.12 | 21.29 | 21.39 | 22.50   |
| HSPA+                        | 16QAM        | 19.17 | 19.45 | 19.27 | 20.50   |

| WCDMA Band II sensor on      |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 9262  | 9400  | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 20.14 | 20.39 | 20.31 | 21.50   |
|                              | 12.2kbps AMR | 20.19 | 20.37 | 20.18 | 21.50   |
| HSDPA                        | Subtest 1    | 19.32 | 19.35 | 19.41 | 20.50   |
|                              | Subtest 2    | 19.26 | 19.42 | 19.35 | 20.50   |
|                              | Subtest 3    | 18.68 | 18.87 | 18.84 | 20.00   |
|                              | Subtest 4    | 18.68 | 18.77 | 18.90 | 20.00   |
| HSUPA                        | Subtest 1    | 17.75 | 17.96 | 17.93 | 19.00   |
|                              | Subtest 2    | 17.17 | 17.47 | 17.31 | 18.50   |
|                              | Subtest 3    | 18.22 | 18.49 | 18.43 | 19.50   |
|                              | Subtest 4    | 17.22 | 17.43 | 17.45 | 18.50   |
|                              | Subtest 5    | 18.21 | 18.34 | 18.35 | 19.50   |
| DC-HSDPA                     | Subtest 1    | 19.30 | 19.29 | 19.40 | 20.50   |
|                              | Subtest 2    | 19.24 | 19.35 | 19.34 | 20.50   |
|                              | Subtest 3    | 18.59 | 18.78 | 18.79 | 20.00   |
|                              | Subtest 4    | 18.61 | 18.87 | 18.88 | 20.00   |
| HSPA+                        | 16QAM        | 16.70 | 16.96 | 16.82 | 18.00   |

| WCDMA Band IV Sensor off     |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                        | 12.2kbps RMC | 22.96 | 23.1  | 23.09 | 24.00   |
|                              | 12.2kbps AMR | 23.05 | 23.07 | 23.03 | 24.00   |
| HSDPA                        | Subtest 1    | 21.99 | 22.08 | 22.09 | 23.00   |
|                              | Subtest 2    | 22.15 | 22.05 | 22.00 | 23.00   |
|                              | Subtest 3    | 21.46 | 21.63 | 21.66 | 22.50   |
|                              | Subtest 4    | 21.61 | 21.66 | 21.58 | 22.50   |
| HSUPA                        | Subtest 1    | 20.63 | 20.64 | 20.62 | 21.50   |
|                              | Subtest 2    | 20.02 | 20.08 | 20.06 | 21.00   |
|                              | Subtest 3    | 21.08 | 21.13 | 21.12 | 22.00   |
|                              | Subtest 4    | 20.00 | 20.07 | 20.06 | 21.00   |
|                              | Subtest 5    | 21.02 | 21.11 | 21.07 | 22.00   |
| DC-HSDPA                     | Subtest 1    | 21.97 | 22.07 | 22.03 | 23.00   |
|                              | Subtest 2    | 22.10 | 22.05 | 21.92 | 23.00   |
|                              | Subtest 3    | 21.39 | 21.61 | 21.60 | 22.50   |
|                              | Subtest 4    | 21.54 | 21.56 | 21.48 | 22.50   |
| HSPA+                        | 16QAM        | 19.58 | 19.63 | 19.57 | 20.50   |

| WCDMA Band IV sensor on      |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                        | 12.2kbps RMC | 21.96 | 22.1  | 22.04 | 23.00   |
|                              | 12.2kbps AMR | 22    | 22.06 | 22.04 | 23.00   |
| HSDPA                        | Subtest 1    | 20.95 | 21.05 | 21.06 | 22.00   |
|                              | Subtest 2    | 21.11 | 21.02 | 20.96 | 22.00   |
|                              | Subtest 3    | 20.42 | 20.60 | 20.64 | 21.50   |
|                              | Subtest 4    | 20.62 | 20.62 | 20.56 | 21.50   |
| HSUPA                        | Subtest 1    | 19.63 | 19.63 | 19.61 | 20.50   |
|                              | Subtest 2    | 19.00 | 19.08 | 19.02 | 20.00   |
|                              | Subtest 3    | 20.06 | 20.10 | 20.07 | 21.00   |
|                              | Subtest 4    | 19.00 | 19.07 | 19.07 | 20.00   |
|                              | Subtest 5    | 19.98 | 20.12 | 20.02 | 21.00   |
| DC-HSDPA                     | Subtest 1    | 20.98 | 21.08 | 21.04 | 22.00   |
|                              | Subtest 2    | 21.12 | 21.00 | 20.92 | 22.00   |
|                              | Subtest 3    | 20.50 | 20.68 | 20.60 | 21.50   |
|                              | Subtest 4    | 20.60 | 20.64 | 20.45 | 21.50   |
| HSPA+                        | 16QAM        | 18.58 | 18.63 | 18.55 | 19.50   |

| WCDMA Band V Sensor off      |              |       |       |       |         |
|------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm) |              |       |       |       |         |
| Channel                      |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                        | 12.2kbps RMC | 22.94 | 22.95 | 22.91 | 24.00   |
|                              | 12.2kbps AMR | 22.91 | 22.91 | 22.90 | 24.00   |
| HSDPA                        | Subtest 1    | 21.91 | 22.00 | 21.94 | 23.00   |
|                              | Subtest 2    | 21.95 | 21.94 | 21.93 | 23.00   |
|                              | Subtest 3    | 21.45 | 21.48 | 21.44 | 22.50   |
|                              | Subtest 4    | 21.41 | 21.50 | 21.47 | 22.50   |
| HSUPA                        | Subtest 1    | 20.46 | 20.47 | 20.44 | 21.50   |
|                              | Subtest 2    | 19.92 | 19.99 | 19.97 | 21.00   |
|                              | Subtest 3    | 20.95 | 20.98 | 20.94 | 22.00   |
|                              | Subtest 4    | 19.96 | 20.04 | 20.01 | 21.00   |
|                              | Subtest 5    | 20.92 | 21.01 | 20.88 | 22.00   |
| DC-HSDPA                     | Subtest 1    | 21.95 | 22.09 | 21.93 | 23.00   |
|                              | Subtest 2    | 22.03 | 21.98 | 21.97 | 23.00   |
|                              | Subtest 3    | 21.43 | 21.54 | 21.53 | 22.50   |
|                              | Subtest 4    | 21.40 | 21.55 | 21.53 | 22.50   |
| HSPA+                        | 16QAM        | 19.46 | 19.52 | 19.42 | 20.50   |

| LTE Band 2 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz                | QPSK       | 1       | 0         | 22.55                | 22.86   | 22.83   | 24.00   |
|                       |            | 1       | 2         | 22.79                | 22.59   | 22.83   | 24.00   |
|                       |            | 1       | 5         | 22.78                | 22.56   | 22.85   | 24.00   |
|                       |            | 3       | 0         | 22.55                | 22.82   | 22.70   | 24.00   |
|                       |            | 3       | 2         | 22.71                | 22.81   | 22.80   | 24.00   |
|                       |            | 3       | 3         | 22.37                | 22.81   | 22.83   | 24.00   |
|                       | 16QAM      | 6       | 0         | 21.76                | 22.02   | 21.91   | 23.00   |
|                       |            | 1       | 0         | 21.84                | 21.89   | 21.87   | 23.00   |
|                       |            | 1       | 2         | 21.64                | 21.76   | 21.90   | 23.00   |
|                       |            | 1       | 5         | 21.89                | 21.68   | 21.92   | 23.00   |
|                       |            | 3       | 0         | 21.99                | 22.15   | 22.04   | 23.00   |
|                       |            | 3       | 2         | 21.49                | 21.66   | 21.79   | 23.00   |
|                       | 64QAM      | 3       | 3         | 21.77                | 21.76   | 21.50   | 23.00   |
|                       |            | 6       | 0         | 20.80                | 21.06   | 20.84   | 22.00   |
|                       |            | 1       | 0         | 20.60                | 20.77   | 20.97   | 22.00   |
|                       |            | 1       | 2         | 20.66                | 20.76   | 20.87   | 22.00   |
|                       |            | 1       | 5         | 20.69                | 20.90   | 20.83   | 22.00   |
|                       |            | 3       | 0         | 20.75                | 20.88   | 20.72   | 22.00   |
|                       | 256QAM     | 3       | 2         | 20.57                | 20.65   | 21.04   | 22.00   |
|                       |            | 3       | 3         | 20.63                | 20.79   | 20.96   | 22.00   |
|                       |            | 6       | 0         | 19.68                | 19.90   | 19.94   | 21.00   |
|                       |            | 1       | 0         | 17.95                | 17.96   | 18.02   | 19.00   |
|                       |            | 1       | 2         | 17.94                | 17.86   | 17.71   | 19.00   |
|                       |            | 1       | 5         | 17.79                | 17.78   | 17.81   | 19.00   |
|                       |            | 3       | 0         | 17.92                | 17.92   | 18.16   | 19.00   |

|           |            | 3       | 2         | 17.76   | 17.92   | 17.79   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 17.90   | 17.78   | 17.67   | 19.00   |
|           |            | 6       | 0         | 18.06   | 18.02   | 17.71   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 22.54   | 22.86   | 22.80   | 24.00   |
|           |            | 1       | 7         | 22.71   | 22.64   | 22.86   | 24.00   |
|           |            | 1       | 14        | 22.72   | 22.64   | 22.86   | 24.00   |
|           |            | 8       | 0         | 21.65   | 21.97   | 21.77   | 23.00   |
|           |            | 8       | 4         | 21.80   | 21.81   | 21.86   | 23.00   |
|           |            | 8       | 7         | 21.46   | 21.92   | 21.84   | 23.00   |
|           |            | 15      | 0         | 21.80   | 21.92   | 21.87   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.90   | 21.95   | 21.79   | 23.00   |
|           |            | 1       | 7         | 21.71   | 21.70   | 22.00   | 23.00   |
|           |            | 1       | 14        | 21.79   | 21.62   | 21.83   | 23.00   |
|           |            | 8       | 0         | 20.95   | 21.06   | 21.09   | 22.00   |
|           |            | 8       | 4         | 20.53   | 20.66   | 20.72   | 22.00   |
|           |            | 8       | 7         | 20.67   | 20.81   | 20.60   | 22.00   |
|           | 64QAM      | 15      | 0         | 20.73   | 20.98   | 20.80   | 22.00   |
|           |            | 1       | 0         | 20.54   | 20.78   | 21.03   | 22.00   |
|           |            | 1       | 7         | 20.76   | 20.79   | 20.89   | 22.00   |
|           |            | 1       | 14        | 20.61   | 20.91   | 20.76   | 22.00   |
|           |            | 8       | 0         | 19.69   | 19.98   | 19.71   | 21.00   |
|           |            | 8       | 4         | 19.63   | 19.57   | 19.99   | 21.00   |
|           | 256QAM     | 8       | 7         | 19.70   | 19.74   | 20.06   | 21.00   |
|           |            | 15      | 0         | 19.73   | 19.87   | 19.87   | 21.00   |
|           |            | 1       | 0         | 17.95   | 17.88   | 17.94   | 19.00   |
|           |            | 1       | 7         | 17.94   | 17.87   | 17.66   | 19.00   |
|           |            | 1       | 14        | 17.76   | 17.78   | 17.80   | 19.00   |
|           |            | 8       | 0         | 17.85   | 17.88   | 18.08   | 19.00   |
|           |            | 8       | 4         | 17.77   | 17.92   | 17.82   | 19.00   |
|           |            | 8       | 7         | 17.85   | 17.69   | 17.77   | 19.00   |
|           |            | 15      | 0         | 18.00   | 17.95   | 17.78   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.61   | 22.82   | 22.76   | 24.00   |
|           |            | 1       | 13        | 22.74   | 22.72   | 22.77   | 24.00   |
|           |            | 1       | 24        | 22.74   | 22.64   | 22.76   | 24.00   |
|           |            | 12      | 0         | 21.66   | 22.03   | 21.80   | 23.00   |
|           |            | 12      | 6         | 21.83   | 21.77   | 21.93   | 23.00   |
|           |            | 12      | 13        | 21.54   | 21.87   | 21.86   | 23.00   |
|           | 16QAM      | 25      | 0         | 21.76   | 21.86   | 21.93   | 23.00   |
|           |            | 1       | 0         | 21.90   | 22.02   | 21.73   | 23.00   |
|           |            | 1       | 13        | 21.79   | 21.79   | 22.01   | 23.00   |
|           |            | 1       | 24        | 21.77   | 21.70   | 21.82   | 23.00   |
|           |            | 12      | 0         | 20.95   | 20.98   | 20.99   | 22.00   |
|           |            | 12      | 6         | 20.56   | 20.72   | 20.77   | 22.00   |
|           | 64QAM      | 12      | 13        | 20.65   | 20.91   | 20.65   | 22.00   |
|           |            | 25      | 0         | 20.71   | 20.93   | 20.76   | 22.00   |
|           |            | 1       | 0         | 20.62   | 20.68   | 20.99   | 22.00   |
|           |            | 1       | 13        | 20.68   | 20.80   | 20.81   | 22.00   |
|           |            | 1       | 24        | 20.70   | 20.81   | 20.81   | 22.00   |
|           |            | 12      | 0         | 19.70   | 19.91   | 19.76   | 21.00   |
|           | 256QAM     | 12      | 6         | 19.53   | 19.65   | 20.07   | 21.00   |
|           |            | 12      | 13        | 19.65   | 19.70   | 19.98   | 21.00   |
|           |            | 25      | 0         | 19.64   | 19.86   | 19.96   | 21.00   |
|           |            | 1       | 0         | 17.87   | 17.91   | 17.90   | 19.00   |
|           |            | 1       | 13        | 17.88   | 17.78   | 17.56   | 19.00   |
|           |            | 1       | 24        | 17.73   | 17.71   | 17.88   | 19.00   |
|           |            | 12      | 0         | 17.78   | 17.83   | 18.01   | 19.00   |
|           |            | 12      | 6         | 17.77   | 17.83   | 17.84   | 19.00   |
|           |            | 12      | 13        | 17.77   | 17.79   | 17.81   | 19.00   |
|           |            | 25      | 0         | 17.93   | 17.85   | 17.74   | 19.00   |
|           |            | 25      | 13        | 21.76   | 21.85   | 21.87   | 23.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.65   | 22.86   | 22.85   | 24.00   |
|           |            | 1       | 25        | 22.82   | 22.82   | 22.80   | 24.00   |
|           |            | 1       | 49        | 22.69   | 22.72   | 22.85   | 24.00   |
|           |            | 25      | 0         | 21.72   | 21.98   | 21.90   | 23.00   |
|           |            | 25      | 13        | 21.76   | 21.85   | 21.87   | 23.00   |

|           |            | 25      | 25        | 21.64   | 21.92   | 21.93   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 21.69   | 21.83   | 21.89   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.88   | 22.01   | 21.83   | 23.00   |
|           |            | 1       | 25        | 21.73   | 21.82   | 21.96   | 23.00   |
|           |            | 1       | 49        | 21.68   | 21.70   | 21.86   | 23.00   |
|           |            | 25      | 0         | 20.88   | 20.88   | 20.95   | 22.00   |
|           |            | 25      | 13        | 20.63   | 20.81   | 20.84   | 22.00   |
|           |            | 25      | 25        | 20.69   | 20.90   | 20.71   | 22.00   |
|           |            | 50      | 0         | 20.79   | 20.92   | 20.86   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.58   | 20.76   | 20.94   | 22.00   |
|           |            | 1       | 25        | 20.67   | 20.73   | 20.78   | 22.00   |
|           |            | 1       | 49        | 20.77   | 20.72   | 20.81   | 22.00   |
|           |            | 25      | 0         | 19.75   | 19.84   | 19.80   | 21.00   |
|           |            | 25      | 13        | 19.52   | 19.75   | 19.97   | 21.00   |
|           |            | 25      | 25        | 19.64   | 19.80   | 19.96   | 21.00   |
|           |            | 50      | 0         | 19.55   | 19.91   | 19.96   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.87   | 17.93   | 17.88   | 19.00   |
|           |            | 1       | 25        | 17.95   | 17.71   | 17.58   | 19.00   |
|           |            | 1       | 49        | 17.66   | 17.73   | 17.87   | 19.00   |
|           |            | 25      | 0         | 17.85   | 17.88   | 17.94   | 19.00   |
|           |            | 25      | 13        | 17.82   | 17.78   | 17.74   | 19.00   |
|           |            | 25      | 25        | 17.74   | 17.83   | 17.86   | 19.00   |
|           |            | 50      | 0         | 17.84   | 17.84   | 17.72   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 22.72   | 22.86   | 22.78   | 24.00   |
|           |            | 1       | 38        | 22.72   | 22.83   | 22.81   | 24.00   |
|           |            | 1       | 74        | 22.62   | 22.74   | 22.78   | 24.00   |
|           |            | 36      | 0         | 21.75   | 21.93   | 21.86   | 23.00   |
|           |            | 36      | 18        | 21.74   | 21.78   | 21.90   | 23.00   |
|           |            | 36      | 39        | 21.58   | 21.85   | 21.86   | 23.00   |
|           |            | 75      | 0         | 21.64   | 21.93   | 21.99   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.82   | 21.97   | 21.93   | 23.00   |
|           |            | 1       | 38        | 21.79   | 21.82   | 21.88   | 23.00   |
|           |            | 1       | 74        | 21.58   | 21.78   | 21.84   | 23.00   |
|           |            | 36      | 0         | 20.87   | 20.92   | 20.92   | 22.00   |
|           |            | 36      | 18        | 20.54   | 20.89   | 20.88   | 22.00   |
|           |            | 36      | 39        | 20.60   | 20.87   | 20.81   | 22.00   |
|           |            | 75      | 0         | 20.70   | 20.98   | 20.93   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.61   | 20.81   | 20.95   | 22.00   |
|           |            | 1       | 38        | 20.67   | 20.74   | 20.77   | 22.00   |
|           |            | 1       | 74        | 20.75   | 20.71   | 20.76   | 22.00   |
|           |            | 36      | 0         | 19.85   | 19.91   | 19.89   | 21.00   |
|           |            | 36      | 18        | 19.52   | 19.85   | 19.92   | 21.00   |
|           |            | 36      | 39        | 19.61   | 19.79   | 19.89   | 21.00   |
|           |            | 75      | 0         | 19.49   | 19.95   | 19.98   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.80   | 18.00   | 17.83   | 19.00   |
|           |            | 1       | 38        | 17.86   | 17.81   | 17.65   | 19.00   |
|           |            | 1       | 74        | 17.72   | 17.66   | 17.88   | 19.00   |
|           |            | 36      | 0         | 17.77   | 17.82   | 17.92   | 19.00   |
|           |            | 36      | 18        | 17.78   | 17.86   | 17.66   | 19.00   |
|           |            | 36      | 39        | 17.68   | 17.73   | 17.89   | 19.00   |
|           |            | 75      | 0         | 17.77   | 17.80   | 17.76   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 22.64   | 22.88   | 22.84   | 24.00   |
|           |            | 1       | 50        | 22.63   | 22.81   | 22.80   | 24.00   |
|           |            | 1       | 99        | 22.67   | 22.82   | 22.80   | 24.00   |
|           |            | 50      | 0         | 21.72   | 21.87   | 21.87   | 23.00   |
|           |            | 50      | 25        | 21.66   | 21.79   | 21.88   | 23.00   |
|           |            | 50      | 50        | 21.68   | 21.82   | 21.83   | 23.00   |
|           |            | 100     | 0         | 21.61   | 21.94   | 21.90   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.72   | 21.96   | 21.94   | 23.00   |
|           |            | 1       | 50        | 21.72   | 21.79   | 21.79   | 23.00   |
|           |            | 1       | 99        | 21.66   | 21.79   | 21.80   | 23.00   |
|           |            | 50      | 0         | 20.79   | 20.89   | 20.97   | 22.00   |
|           |            | 50      | 25        | 20.62   | 20.82   | 20.97   | 22.00   |
|           |            | 50      | 50        | 20.65   | 20.79   | 20.82   | 22.00   |
|           |            | 100     | 0         | 20.63   | 20.92   | 21.00   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.67   | 20.90   | 20.86   | 22.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 1   | 50 | 20.70 | 20.80 | 20.75 | 22.00 |
|  |        | 1   | 99 | 20.67 | 20.76 | 20.80 | 22.00 |
|  |        | 50  | 0  | 19.75 | 19.91 | 19.99 | 21.00 |
|  |        | 50  | 25 | 19.56 | 19.77 | 19.91 | 21.00 |
|  |        | 50  | 50 | 19.59 | 19.81 | 19.79 | 21.00 |
|  |        | 100 | 0  | 19.58 | 19.87 | 20.03 | 21.00 |
|  | 256QAM | 1   | 0  | 17.75 | 17.98 | 17.87 | 19.00 |
|  |        | 1   | 50 | 17.76 | 17.85 | 17.74 | 19.00 |
|  |        | 1   | 99 | 17.67 | 17.72 | 17.81 | 19.00 |
|  |        | 50  | 0  | 17.69 | 17.92 | 17.94 | 19.00 |
|  |        | 50  | 25 | 17.82 | 17.87 | 17.73 | 19.00 |
|  |        | 50  | 50 | 17.68 | 17.64 | 17.87 | 19.00 |
|  |        | 100 | 0  | 17.76 | 17.84 | 17.80 | 19.00 |

| LTE Band 2 sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz               | QPSK       | 1       | 0         | 20.49                | 20.72   | 20.71   | 22.00   |
|                      |            | 1       | 2         | 20.50                | 20.67   | 20.64   | 22.00   |
|                      |            | 1       | 5         | 20.50                | 20.69   | 20.67   | 22.00   |
|                      |            | 3       | 0         | 20.51                | 20.67   | 20.63   | 22.00   |
|                      |            | 3       | 2         | 20.48                | 20.67   | 20.65   | 22.00   |
|                      |            | 3       | 3         | 20.53                | 20.66   | 20.64   | 22.00   |
|                      |            | 6       | 0         | 20.52                | 20.64   | 20.65   | 22.00   |
|                      | 16QAM      | 1       | 0         | 20.45                | 20.64   | 20.69   | 22.00   |
|                      |            | 1       | 2         | 20.49                | 20.64   | 20.62   | 22.00   |
|                      |            | 1       | 5         | 20.53                | 20.66   | 20.61   | 22.00   |
|                      |            | 3       | 0         | 20.47                | 20.69   | 20.64   | 22.00   |
|                      |            | 3       | 2         | 20.45                | 20.68   | 20.66   | 22.00   |
|                      |            | 3       | 3         | 20.49                | 20.66   | 20.67   | 22.00   |
|                      |            | 6       | 0         | 20.50                | 20.65   | 20.66   | 22.00   |
|                      | 64QAM      | 1       | 0         | 20.48                | 20.64   | 20.67   | 22.00   |
|                      |            | 1       | 2         | 20.48                | 20.69   | 20.66   | 22.00   |
|                      |            | 1       | 5         | 20.44                | 20.69   | 20.68   | 22.00   |
|                      |            | 3       | 0         | 20.50                | 20.69   | 20.64   | 22.00   |
|                      |            | 3       | 2         | 20.46                | 20.69   | 20.65   | 22.00   |
|                      |            | 3       | 3         | 20.52                | 20.63   | 20.70   | 22.00   |
|                      |            | 6       | 0         | 19.46                | 19.76   | 19.92   | 21.00   |
|                      | 256QAM     | 1       | 0         | 17.65                | 17.87   | 17.76   | 19.00   |
|                      |            | 1       | 2         | 17.62                | 17.75   | 17.60   | 19.00   |
|                      |            | 1       | 5         | 17.55                | 17.58   | 17.68   | 19.00   |
|                      |            | 3       | 0         | 17.54                | 17.83   | 17.83   | 19.00   |
|                      |            | 3       | 2         | 17.68                | 17.75   | 17.60   | 19.00   |
|                      |            | 3       | 3         | 17.54                | 17.49   | 17.77   | 19.00   |
|                      |            | 6       | 0         | 17.62                | 17.69   | 17.68   | 19.00   |
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                 | QPSK       | 1       | 0         | 20.54                | 20.76   | 20.71   | 22.00   |
|                      |            | 1       | 7         | 20.48                | 20.69   | 20.63   | 22.00   |
|                      |            | 1       | 14        | 20.48                | 20.69   | 20.69   | 22.00   |
|                      |            | 8       | 0         | 20.49                | 20.68   | 20.65   | 22.00   |
|                      |            | 8       | 4         | 20.46                | 20.69   | 20.65   | 22.00   |
|                      |            | 8       | 7         | 20.53                | 20.71   | 20.64   | 22.00   |
|                      |            | 15      | 0         | 20.49                | 20.65   | 20.70   | 22.00   |
|                      | 16QAM      | 1       | 0         | 20.48                | 20.67   | 20.70   | 22.00   |
|                      |            | 1       | 7         | 20.48                | 20.69   | 20.66   | 22.00   |
|                      |            | 1       | 14        | 20.49                | 20.70   | 20.63   | 22.00   |
|                      |            | 8       | 0         | 20.51                | 20.69   | 20.65   | 22.00   |
|                      |            | 8       | 4         | 20.46                | 20.66   | 20.65   | 22.00   |
|                      |            | 8       | 7         | 20.50                | 20.66   | 20.67   | 22.00   |
|                      |            | 15      | 0         | 20.52                | 20.64   | 20.67   | 22.00   |
|                      | 64QAM      | 1       | 0         | 20.53                | 20.67   | 20.64   | 22.00   |
|                      |            | 1       | 7         | 20.50                | 20.67   | 20.67   | 22.00   |
|                      |            | 1       | 14        | 20.46                | 20.70   | 20.66   | 22.00   |
|                      |            | 8       | 0         | 19.62                | 19.77   | 19.88   | 21.00   |
|                      |            | 8       | 4         | 19.45                | 19.65   | 19.78   | 21.00   |
|                      |            | 8       | 7         | 19.47                | 19.72   | 19.65   | 21.00   |
|                      |            | 15      | 0         | 19.43                | 19.76   | 19.90   | 21.00   |

|           |            | 1       | 0         | 17.64   | 17.86   | 17.77   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 7         | 17.64   | 17.73   | 17.63   | 19.00   |
|           |            | 1       | 14        | 17.53   | 17.60   | 17.72   | 19.00   |
|           |            | 8       | 0         | 17.59   | 17.83   | 17.85   | 19.00   |
|           |            | 8       | 4         | 17.73   | 17.73   | 17.61   | 19.00   |
|           |            | 8       | 7         | 17.59   | 17.53   | 17.78   | 19.00   |
|           |            | 15      | 0         | 17.64   | 17.73   | 17.71   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.53   | 20.75   | 20.72   | 22.00   |
|           |            | 1       | 13        | 20.47   | 20.70   | 20.67   | 22.00   |
|           |            | 1       | 24        | 20.47   | 20.68   | 20.66   | 22.00   |
|           |            | 12      | 0         | 20.50   | 20.64   | 20.66   | 22.00   |
|           |            | 12      | 6         | 20.44   | 20.66   | 20.68   | 22.00   |
|           |            | 12      | 13        | 20.52   | 20.66   | 20.65   | 22.00   |
|           | 16QAM      | 25      | 0         | 20.47   | 20.67   | 20.71   | 22.00   |
|           |            | 1       | 0         | 20.46   | 20.62   | 20.68   | 22.00   |
|           |            | 1       | 13        | 20.47   | 20.65   | 20.66   | 22.00   |
|           |            | 1       | 24        | 20.53   | 20.66   | 20.60   | 22.00   |
|           |            | 12      | 0         | 20.47   | 20.65   | 20.65   | 22.00   |
|           |            | 12      | 6         | 20.47   | 20.68   | 20.66   | 22.00   |
|           | 64QAM      | 12      | 13        | 20.49   | 20.67   | 20.71   | 22.00   |
|           |            | 25      | 0         | 20.47   | 20.66   | 20.64   | 22.00   |
|           |            | 1       | 0         | 20.53   | 20.69   | 20.63   | 22.00   |
|           |            | 1       | 13        | 20.49   | 20.71   | 20.65   | 22.00   |
|           |            | 1       | 24        | 20.47   | 20.70   | 20.66   | 22.00   |
|           |            | 12      | 0         | 19.65   | 19.81   | 19.87   | 21.00   |
| 10MHz     | QPSK       | 12      | 6         | 19.45   | 19.62   | 19.81   | 21.00   |
|           |            | 12      | 13        | 19.45   | 19.68   | 19.65   | 21.00   |
|           |            | 25      | 0         | 19.47   | 19.77   | 19.89   | 21.00   |
|           | 16QAM      | 1       | 0         | 17.62   | 17.89   | 17.76   | 19.00   |
|           |            | 1       | 13        | 17.62   | 17.70   | 17.64   | 19.00   |
|           |            | 1       | 24        | 17.58   | 17.60   | 17.71   | 19.00   |
|           | 64QAM      | 12      | 0         | 17.56   | 17.79   | 17.84   | 19.00   |
|           |            | 12      | 6         | 17.72   | 17.76   | 17.60   | 19.00   |
|           |            | 12      | 13        | 17.56   | 17.49   | 17.74   | 19.00   |
|           |            | 25      | 0         | 17.62   | 17.74   | 17.71   | 19.00   |
|           | 256QAM     | 1       | 0         | 20.52   | 20.75   | 20.71   | 22.00   |
|           |            | 1       | 25        | 20.46   | 20.67   | 20.68   | 22.00   |
|           |            | 1       | 49        | 20.49   | 20.66   | 20.67   | 22.00   |
|           |            | 25      | 0         | 20.54   | 20.67   | 20.64   | 22.00   |
|           |            | 25      | 13        | 20.44   | 20.67   | 20.69   | 22.00   |
|           |            | 25      | 25        | 20.52   | 20.68   | 20.63   | 22.00   |
| 15MHz     | QPSK       | 50      | 0         | 20.50   | 20.63   | 20.67   | 22.00   |
|           |            | 1       | 0         | 20.45   | 20.66   | 20.69   | 22.00   |
|           |            | 1       | 25        | 20.46   | 20.68   | 20.65   | 22.00   |
|           |            | 1       | 49        | 20.49   | 20.70   | 20.65   | 22.00   |
|           |            | 25      | 0         | 20.48   | 20.69   | 20.64   | 22.00   |
|           |            | 25      | 13        | 20.46   | 20.67   | 20.64   | 22.00   |
|           | 16QAM      | 25      | 25        | 20.49   | 20.63   | 20.67   | 22.00   |
|           |            | 50      | 0         | 20.52   | 20.66   | 20.68   | 22.00   |
|           |            | 1       | 0         | 20.50   | 20.69   | 20.63   | 22.00   |
|           |            | 1       | 25        | 20.49   | 20.66   | 20.65   | 22.00   |
|           |            | 1       | 49        | 20.46   | 20.69   | 20.66   | 22.00   |
|           |            | 25      | 0         | 19.64   | 19.79   | 19.88   | 21.00   |
|           | 64QAM      | 25      | 13        | 19.43   | 19.64   | 19.77   | 21.00   |
|           |            | 25      | 25        | 19.45   | 19.68   | 19.68   | 21.00   |
|           |            | 50      | 0         | 19.45   | 19.77   | 19.92   | 21.00   |
|           |            | 1       | 0         | 17.61   | 17.86   | 17.74   | 19.00   |
|           |            | 1       | 25        | 17.65   | 17.72   | 17.60   | 19.00   |
|           |            | 1       | 49        | 17.53   | 17.61   | 17.69   | 19.00   |
|           | 256QAM     | 25      | 0         | 17.59   | 17.78   | 17.81   | 19.00   |
|           |            | 25      | 13        | 17.67   | 17.73   | 17.63   | 19.00   |
|           |            | 25      | 25        | 17.54   | 17.51   | 17.75   | 19.00   |
|           |            | 50      | 0         | 17.63   | 17.72   | 17.67   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.53   | 20.73   | 20.70   | 22.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 38        | 20.50   | 20.68   | 20.64   | 22.00   |
|           |            | 1       | 74        | 20.50   | 20.65   | 20.67   | 22.00   |
|           |            | 36      | 0         | 20.50   | 20.70   | 20.67   | 22.00   |
|           |            | 36      | 18        | 20.46   | 20.68   | 20.67   | 22.00   |
|           |            | 36      | 39        | 20.52   | 20.69   | 20.64   | 22.00   |
|           |            | 75      | 0         | 20.52   | 20.63   | 20.71   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.47   | 20.66   | 20.66   | 22.00   |
|           |            | 1       | 38        | 20.49   | 20.70   | 20.61   | 22.00   |
|           |            | 1       | 74        | 20.53   | 20.66   | 20.61   | 22.00   |
|           |            | 36      | 0         | 20.51   | 20.67   | 20.70   | 22.00   |
|           |            | 36      | 18        | 20.48   | 20.68   | 20.67   | 22.00   |
|           |            | 36      | 39        | 20.48   | 20.63   | 20.66   | 22.00   |
|           | 64QAM      | 75      | 0         | 20.49   | 20.65   | 20.68   | 22.00   |
|           |            | 1       | 0         | 20.47   | 20.66   | 20.66   | 22.00   |
|           |            | 1       | 38        | 20.50   | 20.70   | 20.65   | 22.00   |
|           |            | 1       | 74        | 20.48   | 20.66   | 20.65   | 22.00   |
|           |            | 36      | 0         | 19.65   | 19.77   | 19.87   | 21.00   |
|           |            | 36      | 18        | 19.41   | 19.67   | 19.79   | 21.00   |
|           | 256QAM     | 36      | 39        | 19.47   | 19.70   | 19.65   | 21.00   |
|           |            | 75      | 0         | 19.46   | 19.77   | 19.91   | 21.00   |
|           |            | 1       | 0         | 17.63   | 17.88   | 17.73   | 19.00   |
|           |            | 1       | 38        | 17.66   | 17.73   | 17.64   | 19.00   |
|           |            | 1       | 74        | 17.55   | 17.61   | 17.71   | 19.00   |
|           |            | 36      | 0         | 17.54   | 17.82   | 17.80   | 19.00   |
| 20MHz     | QPSK       | 36      | 18        | 17.69   | 17.76   | 17.59   | 19.00   |
|           |            | 36      | 39        | 17.57   | 17.53   | 17.74   | 19.00   |
|           |            | 75      | 0         | 17.63   | 17.71   | 17.65   | 19.00   |
|           | 16QAM      | 1       | 0         | 20.64   | 20.86   | 20.84   | 22.00   |
|           |            | 1       | 50        | 20.59   | 20.81   | 20.78   | 22.00   |
|           |            | 1       | 99        | 20.61   | 20.80   | 20.81   | 22.00   |
|           |            | 50      | 0         | 20.63   | 20.79   | 20.77   | 22.00   |
|           |            | 50      | 25        | 20.58   | 20.79   | 20.79   | 22.00   |
|           |            | 50      | 50        | 20.63   | 20.80   | 20.77   | 22.00   |
|           | 64QAM      | 100     | 0         | 20.62   | 20.77   | 20.80   | 22.00   |
|           |            | 1       | 0         | 20.59   | 20.77   | 20.79   | 22.00   |
|           |            | 1       | 50        | 20.60   | 20.79   | 20.76   | 22.00   |
|           |            | 1       | 99        | 20.63   | 20.80   | 20.75   | 22.00   |
|           |            | 50      | 0         | 20.61   | 20.80   | 20.79   | 22.00   |
|           |            | 50      | 25        | 20.60   | 20.80   | 20.77   | 22.00   |
|           | 256QAM     | 50      | 50        | 20.61   | 20.77   | 20.81   | 22.00   |
|           |            | 100     | 0         | 20.61   | 20.77   | 20.78   | 22.00   |
|           |            | 1       | 0         | 20.62   | 20.79   | 20.78   | 22.00   |
|           |            | 1       | 50        | 20.60   | 20.81   | 20.78   | 22.00   |
|           |            | 1       | 99        | 20.59   | 20.80   | 20.78   | 22.00   |
|           |            | 50      | 0         | 19.75   | 19.91   | 19.99   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           |         |         |         |         |
|           | QPSK       | RB size | RB offset | 18700   | 18900   | 19100   | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           | 16QAM      | RB size | RB offset | 18700   | 18900   | 19100   | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           | 64QAM      | RB size | RB offset | 18700   | 18900   | 19100   | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           | 256QAM     | RB size | RB offset | 18700   | 18900   | 19100   | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            |         |           | 18700   | 18900   | 19100   |         |

| LTE Band 2 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                      | QPSK       | 1       | 0         | 17.57                | 17.77   | 17.76   | 19.00   |
|                             |            | 1       | 2         | 17.58                | 17.71   | 17.72   | 19.00   |
|                             |            | 1       | 5         | 17.61                | 17.81   | 17.73   | 19.00   |
|                             |            | 3       | 0         | 17.66                | 17.68   | 17.74   | 19.00   |
|                             |            | 3       | 2         | 17.50                | 17.73   | 17.73   | 19.00   |
|                             |            | 3       | 3         | 17.53                | 17.73   | 17.78   | 19.00   |
|                             |            | 6       | 0         | 17.47                | 17.73   | 17.71   | 19.00   |

|      |        |    |    |       |       |       |       |
|------|--------|----|----|-------|-------|-------|-------|
|      | 16QAM  | 1  | 0  | 17.49 | 17.86 | 17.78 | 19.00 |
|      |        | 1  | 2  | 17.56 | 17.72 | 17.79 | 19.00 |
|      |        | 1  | 5  | 17.56 | 17.83 | 17.69 | 19.00 |
|      |        | 3  | 0  | 17.43 | 17.86 | 17.70 | 19.00 |
|      |        | 3  | 2  | 17.62 | 17.89 | 17.80 | 19.00 |
|      |        | 3  | 3  | 17.55 | 17.78 | 17.83 | 19.00 |
|      | 64QAM  | 6  | 0  | 17.49 | 17.66 | 17.72 | 19.00 |
|      |        | 1  | 0  | 17.62 | 17.75 | 17.82 | 19.00 |
|      |        | 1  | 2  | 17.56 | 17.88 | 17.75 | 19.00 |
|      |        | 1  | 5  | 17.62 | 17.83 | 17.70 | 19.00 |
|      |        | 3  | 0  | 17.50 | 17.80 | 17.82 | 19.00 |
|      |        | 3  | 2  | 17.53 | 17.67 | 17.71 | 19.00 |
|      | 256QAM | 3  | 3  | 17.55 | 17.73 | 17.79 | 19.00 |
|      |        | 6  | 0  | 17.54 | 17.71 | 17.81 | 19.00 |
|      |        | 1  | 0  | 17.62 | 17.77 | 17.67 | 19.00 |
|      |        | 1  | 2  | 17.59 | 17.82 | 17.84 | 19.00 |
|      |        | 1  | 5  | 17.54 | 17.80 | 17.73 | 19.00 |
|      |        | 3  | 0  | 17.56 | 17.68 | 17.72 | 19.00 |
| 3MHz | QPSK   | 3  | 2  | 17.51 | 17.78 | 17.72 | 19.00 |
|      |        | 3  | 3  | 17.50 | 17.83 | 17.70 | 19.00 |
|      |        | 6  | 0  | 17.50 | 17.73 | 17.82 | 19.00 |
|      | 16QAM  | 1  | 0  | 17.66 | 17.77 | 17.79 | 19.00 |
|      |        | 1  | 7  | 17.60 | 17.72 | 17.71 | 19.00 |
|      |        | 1  | 14 | 17.60 | 17.77 | 17.67 | 19.00 |
|      | 64QAM  | 8  | 0  | 17.61 | 17.64 | 17.60 | 19.00 |
|      |        | 8  | 4  | 17.63 | 17.77 | 17.69 | 19.00 |
|      |        | 8  | 7  | 17.49 | 17.84 | 17.76 | 19.00 |
|      | 256QAM | 15 | 0  | 17.48 | 17.73 | 17.69 | 19.00 |
|      |        | 1  | 0  | 17.54 | 17.76 | 17.72 | 19.00 |
|      |        | 1  | 7  | 17.49 | 17.72 | 17.80 | 19.00 |
|      |        | 1  | 14 | 17.49 | 17.75 | 17.76 | 19.00 |
|      |        | 8  | 0  | 17.55 | 17.82 | 17.72 | 19.00 |
|      |        | 8  | 4  | 17.53 | 17.89 | 17.70 | 19.00 |
| 5MHz | QPSK   | 8  | 7  | 17.55 | 17.70 | 17.74 | 19.00 |
|      |        | 15 | 0  | 17.47 | 17.69 | 17.68 | 19.00 |
|      | 16QAM  | 1  | 0  | 17.56 | 17.82 | 17.82 | 19.00 |
|      |        | 1  | 7  | 17.55 | 17.75 | 17.72 | 19.00 |
|      |        | 1  | 14 | 17.53 | 17.77 | 17.76 | 19.00 |
|      |        | 8  | 0  | 17.46 | 17.78 | 17.78 | 19.00 |
|      | 64QAM  | 8  | 4  | 17.63 | 17.74 | 17.67 | 19.00 |
|      |        | 8  | 7  | 17.57 | 17.69 | 17.81 | 19.00 |
|      |        | 15 | 0  | 17.49 | 17.81 | 17.75 | 19.00 |
|      | 256QAM | 1  | 0  | 17.50 | 17.79 | 17.67 | 19.00 |
|      |        | 1  | 7  | 17.61 | 17.84 | 17.82 | 19.00 |
|      |        | 1  | 14 | 17.60 | 17.83 | 17.68 | 19.00 |
|      |        | 8  | 0  | 17.57 | 17.75 | 17.73 | 19.00 |
|      |        | 8  | 4  | 17.46 | 17.78 | 17.78 | 19.00 |
|      |        | 8  | 7  | 17.52 | 17.82 | 17.61 | 19.00 |
|      | QPSK   | 15 | 0  | 17.42 | 17.65 | 17.68 | 19.00 |
|      |        | 1  | 0  | 17.64 | 17.85 | 17.76 | 19.00 |
|      |        | 1  | 13 | 17.50 | 17.68 | 17.71 | 19.00 |
|      |        | 1  | 24 | 17.67 | 17.80 | 17.67 | 19.00 |
|      |        | 12 | 0  | 17.65 | 17.61 | 17.62 | 19.00 |
|      |        | 12 | 6  | 17.53 | 17.81 | 17.80 | 19.00 |
|      | 16QAM  | 12 | 13 | 17.56 | 17.75 | 17.73 | 19.00 |
|      |        | 25 | 0  | 17.53 | 17.78 | 17.64 | 19.00 |
|      |        | 1  | 0  | 17.44 | 17.72 | 17.82 | 19.00 |
|      |        | 1  | 13 | 17.50 | 17.80 | 17.78 | 19.00 |
|      |        | 1  | 24 | 17.50 | 17.72 | 17.75 | 19.00 |
|      |        | 12 | 0  | 17.43 | 17.75 | 17.75 | 19.00 |
|      | 64QAM  | 12 | 6  | 17.57 | 17.86 | 17.81 | 19.00 |
|      |        | 12 | 13 | 17.56 | 17.81 | 17.82 | 19.00 |
|      |        | 25 | 0  | 17.50 | 17.68 | 17.76 | 19.00 |
|      |        | 1  | 0  | 17.61 | 17.83 | 17.80 | 19.00 |
|      |        | 1  | 13 | 17.58 | 17.77 | 17.76 | 19.00 |
|      |        | 1  | 24 | 17.66 | 17.75 | 17.74 | 19.00 |

|           |            | 12      | 0         | 17.55            | 17.86            | 17.74            | 19.00   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 12      | 6         | 17.60            | 17.65            | 17.69            | 19.00   |
|           |            | 12      | 13        | 17.50            | 17.73            | 17.68            | 19.00   |
|           |            | 25      | 0         | 17.55            | 17.68            | 17.77            | 19.00   |
|           | 256QAM     | 1       | 0         | 17.64            | 17.80            | 17.72            | 19.00   |
|           |            | 1       | 13        | 17.59            | 17.75            | 17.77            | 19.00   |
|           |            | 1       | 24        | 17.59            | 17.85            | 17.76            | 19.00   |
|           |            | 12      | 0         | 17.59            | 17.70            | 17.73            | 19.00   |
|           |            | 12      | 6         | 17.57            | 17.85            | 17.78            | 19.00   |
|           |            | 12      | 13        | 17.48            | 17.84            | 17.74            | 19.00   |
|           |            | 25      | 0         | 17.43            | 17.70            | 17.72            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18650 | Channel<br>18900 | Channel<br>19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.59            | 17.82            | 17.83            | 19.00   |
|           |            | 1       | 25        | 17.50            | 17.75            | 17.69            | 19.00   |
|           |            | 1       | 49        | 17.64            | 17.85            | 17.75            | 19.00   |
|           |            | 25      | 0         | 17.65            | 17.66            | 17.72            | 19.00   |
|           |            | 25      | 13        | 17.65            | 17.69            | 17.78            | 19.00   |
|           |            | 25      | 25        | 17.44            | 17.80            | 17.64            | 19.00   |
|           | 16QAM      | 50      | 0         | 17.51            | 17.67            | 17.70            | 19.00   |
|           |            | 1       | 0         | 17.47            | 17.75            | 17.75            | 19.00   |
|           |            | 1       | 25        | 17.53            | 17.75            | 17.74            | 19.00   |
|           |            | 1       | 49        | 17.50            | 17.76            | 17.79            | 19.00   |
|           |            | 25      | 0         | 17.45            | 17.79            | 17.79            | 19.00   |
|           |            | 25      | 13        | 17.62            | 17.88            | 17.78            | 19.00   |
|           | 64QAM      | 25      | 25        | 17.59            | 17.75            | 17.70            | 19.00   |
|           |            | 50      | 0         | 17.53            | 17.66            | 17.70            | 19.00   |
|           |            | 1       | 0         | 17.59            | 17.79            | 17.78            | 19.00   |
|           |            | 1       | 25        | 17.59            | 17.83            | 17.75            | 19.00   |
|           |            | 1       | 49        | 17.56            | 17.80            | 17.66            | 19.00   |
|           |            | 25      | 0         | 17.53            | 17.74            | 17.76            | 19.00   |
|           | 256QAM     | 25      | 13        | 17.66            | 17.77            | 17.61            | 19.00   |
|           |            | 25      | 25        | 17.57            | 17.65            | 17.69            | 19.00   |
|           |            | 50      | 0         | 17.55            | 17.76            | 17.75            | 19.00   |
|           |            | 1       | 0         | 17.53            | 17.80            | 17.75            | 19.00   |
|           |            | 1       | 25        | 17.67            | 17.78            | 17.73            | 19.00   |
|           |            | 1       | 49        | 17.61            | 17.86            | 17.65            | 19.00   |
| 15MHz     | QPSK       | 25      | 0         | 17.57            | 17.70            | 17.68            | 19.00   |
|           |            | 25      | 13        | 17.54            | 17.83            | 17.71            | 19.00   |
|           |            | 25      | 25        | 17.60            | 17.91            | 17.66            | 19.00   |
|           |            | 50      | 0         | 17.48            | 17.67            | 17.76            | 19.00   |
|           | 16QAM      | 1       | 0         | 17.62            | 17.90            | 17.77            | 19.00   |
|           |            | 1       | 38        | 17.53            | 17.69            | 17.74            | 19.00   |
|           |            | 1       | 74        | 17.65            | 17.84            | 17.66            | 19.00   |
|           |            | 36      | 0         | 17.64            | 17.72            | 17.63            | 19.00   |
|           |            | 36      | 18        | 17.53            | 17.72            | 17.78            | 19.00   |
|           |            | 36      | 39        | 17.51            | 17.80            | 17.73            | 19.00   |
|           | 64QAM      | 75      | 0         | 17.59            | 17.67            | 17.74            | 19.00   |
|           |            | 1       | 0         | 17.43            | 17.81            | 17.77            | 19.00   |
|           |            | 1       | 38        | 17.60            | 17.69            | 17.82            | 19.00   |
|           |            | 1       | 74        | 17.55            | 17.72            | 17.74            | 19.00   |
|           |            | 36      | 0         | 17.48            | 17.86            | 17.69            | 19.00   |
|           |            | 36      | 18        | 17.58            | 17.79            | 17.78            | 19.00   |
|           | 256QAM     | 36      | 39        | 17.62            | 17.72            | 17.71            | 19.00   |
|           |            | 75      | 0         | 17.48            | 17.71            | 17.70            | 19.00   |
|           |            | 1       | 0         | 17.65            | 17.84            | 17.77            | 19.00   |
|           |            | 1       | 38        | 17.54            | 17.77            | 17.75            | 19.00   |
|           |            | 1       | 74        | 17.65            | 17.81            | 17.77            | 19.00   |
|           |            | 36      | 0         | 17.53            | 17.85            | 17.88            | 19.00   |
|           |            | 36      | 18        | 17.57            | 17.64            | 17.66            | 19.00   |
|           |            | 36      | 39        | 17.51            | 17.73            | 17.75            | 19.00   |
|           |            | 75      | 0         | 17.56            | 17.74            | 17.69            | 19.00   |
|           |            | 1       | 0         | 17.53            | 17.71            | 17.72            | 19.00   |
|           |            | 1       | 38        | 17.60            | 17.81            | 17.79            | 19.00   |
|           |            | 1       | 74        | 17.56            | 17.89            | 17.76            | 19.00   |
|           |            | 36      | 0         | 17.56            | 17.80            | 17.67            | 19.00   |
|           |            | 36      | 18        | 17.44            | 17.74            | 17.78            | 19.00   |
|           |            | 36      | 39        | 17.59            | 17.78            | 17.64            | 19.00   |
|           |            | 36      | 39        | 17.59            | 17.78            | 17.64            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18675 | Channel<br>18900 | Channel<br>19125 | Tune up |

| Bandwidth | Modulation | 75      | 0         | 17.44            | 17.69            | 17.79            | 19.00   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | RB size | RB offset | Channel<br>18700 | Channel<br>18900 | Channel<br>19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 17.71            | 17.91            | 17.85            | 19.00   |
|           |            | 1       | 50        | 17.61            | 17.81            | 17.75            | 19.00   |
|           |            | 1       | 99        | 17.68            | 17.85            | 17.78            | 19.00   |
|           |            | 50      | 0         | 17.69            | 17.76            | 17.74            | 19.00   |
|           |            | 50      | 25        | 17.65            | 17.82            | 17.81            | 19.00   |
|           |            | 50      | 50        | 17.58            | 17.88            | 17.78            | 19.00   |
|           |            | 100     | 0         | 17.61            | 17.81            | 17.76            | 19.00   |
|           | 16QAM      | 1       | 0         | 17.58            | 17.86            | 17.86            | 19.00   |
|           |            | 1       | 50        | 17.64            | 17.81            | 17.85            | 19.00   |
|           |            | 1       | 99        | 17.64            | 17.86            | 17.81            | 19.00   |
|           |            | 50      | 0         | 17.56            | 17.88            | 17.81            | 19.00   |
|           |            | 50      | 25        | 17.66            | 17.90            | 17.84            | 19.00   |
|           |            | 50      | 50        | 17.63            | 17.82            | 17.83            | 19.00   |
|           |            | 100     | 0         | 17.55            | 17.77            | 17.78            | 19.00   |
|           | 64QAM      | 1       | 0         | 17.67            | 17.86            | 17.83            | 19.00   |
|           |            | 1       | 50        | 17.65            | 17.89            | 17.78            | 19.00   |
|           |            | 1       | 99        | 17.67            | 17.84            | 17.80            | 19.00   |
|           |            | 50      | 0         | 17.61            | 17.87            | 17.88            | 19.00   |
|           |            | 50      | 25        | 17.68            | 17.79            | 17.74            | 19.00   |
|           |            | 50      | 50        | 17.61            | 17.77            | 17.81            | 19.00   |
|           |            | 100     | 0         | 17.62            | 17.82            | 17.83            | 19.00   |
|           | 256QAM     | 1       | 0         | 17.65            | 17.81            | 17.80            | 19.00   |
|           |            | 1       | 50        | 17.68            | 17.85            | 17.87            | 19.00   |
|           |            | 1       | 99        | 17.64            | 17.91            | 17.79            | 19.00   |
|           |            | 50      | 0         | 17.65            | 17.82            | 17.77            | 19.00   |
|           |            | 50      | 25        | 17.58            | 17.87            | 17.83            | 19.00   |
|           |            | 50      | 50        | 17.62            | 17.91            | 17.74            | 19.00   |
|           |            | 100     | 0         | 17.57            | 17.76            | 17.83            | 19.00   |

| LTE Band 4 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 22.92                | 22.92   | 22.97   | 24.00   |
|                       |            | 1       | 2         | 23.05                | 23.14   | 23.07   | 24.00   |
|                       |            | 1       | 5         | 23.22                | 23.21   | 23.27   | 24.00   |
|                       |            | 3       | 0         | 23.44                | 23.41   | 23.42   | 24.00   |
|                       |            | 3       | 2         | 22.92                | 22.95   | 23.03   | 24.00   |
|                       |            | 3       | 3         | 23.44                | 23.45   | 23.42   | 24.00   |
|                       | 16QAM      | 6       | 0         | 22.10                | 22.08   | 21.98   | 23.00   |
|                       |            | 1       | 0         | 21.85                | 21.81   | 21.80   | 23.00   |
|                       |            | 1       | 2         | 21.84                | 21.89   | 21.81   | 23.00   |
|                       |            | 1       | 5         | 22.04                | 22.02   | 22.07   | 23.00   |
|                       |            | 3       | 0         | 22.38                | 22.33   | 22.26   | 23.00   |
|                       |            | 3       | 2         | 22.10                | 22.11   | 22.17   | 23.00   |
|                       | 64QAM      | 3       | 3         | 22.02                | 22.08   | 22.06   | 23.00   |
|                       |            | 6       | 0         | 21.20                | 21.12   | 21.09   | 22.00   |
|                       |            | 1       | 0         | 21.08                | 21.00   | 21.08   | 22.00   |
|                       |            | 1       | 2         | 21.05                | 20.99   | 21.09   | 22.00   |
|                       |            | 1       | 5         | 21.01                | 20.99   | 20.91   | 22.00   |
|                       |            | 3       | 0         | 21.03                | 21.06   | 21.15   | 22.00   |
|                       | 256QAM     | 3       | 2         | 21.30                | 21.34   | 21.35   | 22.00   |
|                       |            | 3       | 3         | 21.45                | 21.40   | 21.35   | 22.00   |
|                       |            | 6       | 0         | 20.16                | 20.09   | 20.15   | 21.00   |
|                       |            | 1       | 0         | 18.04                | 18.08   | 18.09   | 19.00   |
|                       |            | 1       | 2         | 18.00                | 18.02   | 18.03   | 19.00   |
|                       |            | 1       | 5         | 17.94                | 17.98   | 17.88   | 19.00   |
| 3MHz                  | QPSK       | 3       | 0         | 18.06                | 18.01   | 18.01   | 19.00   |
|                       |            | 3       | 2         | 18.27                | 18.31   | 18.37   | 19.00   |
|                       |            | 3       | 3         | 18.09                | 18.11   | 18.11   | 19.00   |
|                       |            | 6       | 0         | 18.12                | 18.20   | 18.17   | 19.00   |
|                       |            |         |           |                      |         |         |         |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz                  | QPSK       | 1       | 0         | 22.93                | 22.98   | 22.89   | 24.00   |
|                       |            | 1       | 7         | 23.08                | 23.07   | 23.07   | 24.00   |
|                       |            | 1       | 14        | 23.13                | 23.17   | 23.16   | 24.00   |

|           |            | 8       | 0         | 22.39   | 22.39   | 22.43   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 21.96   | 22.05   | 22.06   | 23.00   |
|           |            | 8       | 7         | 22.46   | 22.39   | 22.49   | 23.00   |
|           |            | 15      | 0         | 22.24   | 22.18   | 22.17   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.89   | 21.88   | 21.96   | 23.00   |
|           |            | 1       | 7         | 21.83   | 21.88   | 21.88   | 23.00   |
|           |            | 1       | 14        | 21.92   | 21.95   | 22.00   | 23.00   |
|           |            | 8       | 0         | 21.21   | 21.31   | 21.23   | 22.00   |
|           |            | 8       | 4         | 21.03   | 21.02   | 21.04   | 22.00   |
|           |            | 8       | 7         | 21.09   | 21.14   | 21.16   | 22.00   |
|           |            | 15      | 0         | 21.06   | 21.07   | 21.07   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.00   | 21.02   | 21.01   | 22.00   |
|           |            | 1       | 7         | 20.98   | 20.98   | 21.07   | 22.00   |
|           |            | 1       | 14        | 20.96   | 21.06   | 21.02   | 22.00   |
|           |            | 8       | 0         | 20.18   | 20.08   | 20.03   | 21.00   |
|           |            | 8       | 4         | 20.31   | 20.30   | 20.26   | 21.00   |
|           |            | 8       | 7         | 20.43   | 20.37   | 20.37   | 21.00   |
|           | 256QAM     | 15      | 0         | 20.08   | 20.00   | 20.06   | 21.00   |
|           |            | 1       | 0         | 18.10   | 18.05   | 17.95   | 19.00   |
|           |            | 1       | 7         | 17.90   | 18.00   | 18.08   | 19.00   |
|           |            | 1       | 14        | 17.97   | 18.07   | 18.10   | 19.00   |
|           |            | 8       | 0         | 18.01   | 18.00   | 18.01   | 19.00   |
|           |            | 8       | 4         | 18.35   | 18.25   | 18.18   | 19.00   |
|           |            | 8       | 7         | 18.17   | 18.09   | 18.06   | 19.00   |
|           |            | 15      | 0         | 18.25   | 18.23   | 18.28   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.02   | 23.01   | 23.03   | 24.00   |
|           |            | 1       | 13        | 23.01   | 23.01   | 22.92   | 24.00   |
|           |            | 1       | 24        | 23.12   | 23.19   | 23.11   | 24.00   |
|           |            | 12      | 0         | 22.30   | 22.33   | 22.27   | 23.00   |
|           |            | 12      | 6         | 22.00   | 22.05   | 22.12   | 23.00   |
|           |            | 12      | 13        | 22.30   | 22.32   | 22.42   | 23.00   |
|           | 16QAM      | 25      | 0         | 22.19   | 22.26   | 22.32   | 23.00   |
|           |            | 1       | 0         | 21.92   | 21.92   | 21.98   | 23.00   |
|           |            | 1       | 13        | 21.76   | 21.79   | 21.75   | 23.00   |
|           |            | 1       | 24        | 22.10   | 22.03   | 21.99   | 23.00   |
|           |            | 12      | 0         | 21.33   | 21.27   | 21.36   | 22.00   |
|           |            | 12      | 6         | 21.01   | 21.03   | 21.00   | 22.00   |
|           |            | 12      | 13        | 21.34   | 21.24   | 21.14   | 22.00   |
|           |            | 25      | 0         | 20.96   | 21.02   | 21.05   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.96   | 20.97   | 21.00   | 22.00   |
|           |            | 1       | 13        | 20.99   | 20.91   | 20.90   | 22.00   |
|           |            | 1       | 24        | 21.10   | 21.04   | 20.94   | 22.00   |
|           |            | 12      | 0         | 20.10   | 20.18   | 20.12   | 21.00   |
|           |            | 12      | 6         | 20.20   | 20.26   | 20.28   | 21.00   |
|           |            | 12      | 13        | 20.27   | 20.31   | 20.23   | 21.00   |
|           | 256QAM     | 25      | 0         | 19.95   | 20.03   | 19.98   | 21.00   |
|           |            | 1       | 0         | 18.02   | 18.06   | 18.03   | 19.00   |
|           |            | 1       | 13        | 18.11   | 18.02   | 17.92   | 19.00   |
|           |            | 1       | 24        | 18.17   | 18.10   | 18.04   | 19.00   |
|           |            | 12      | 0         | 18.04   | 18.06   | 18.10   | 19.00   |
|           |            | 12      | 6         | 18.24   | 18.15   | 18.08   | 19.00   |
|           |            | 12      | 13        | 17.95   | 18.03   | 17.94   | 19.00   |
|           |            | 25      | 0         | 18.32   | 18.23   | 18.31   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.04   | 22.96   | 22.99   | 24.00   |
|           |            | 1       | 25        | 23.01   | 23.05   | 23.00   | 24.00   |
|           |            | 1       | 49        | 23.10   | 23.13   | 23.13   | 24.00   |
|           |            | 25      | 0         | 22.31   | 22.28   | 22.37   | 23.00   |
|           |            | 25      | 13        | 22.03   | 21.95   | 21.96   | 23.00   |
|           |            | 25      | 25        | 22.46   | 22.36   | 22.31   | 23.00   |
|           | 16QAM      | 50      | 0         | 22.21   | 22.22   | 22.27   | 23.00   |
|           |            | 1       | 0         | 21.99   | 21.98   | 22.02   | 23.00   |
|           |            | 1       | 25        | 21.92   | 21.89   | 21.82   | 23.00   |
|           |            | 1       | 49        | 21.88   | 21.96   | 21.90   | 23.00   |
|           |            | 25      | 0         | 21.15   | 21.24   | 21.24   | 22.00   |
|           |            | 25      | 13        | 21.00   | 21.00   | 20.96   | 22.00   |
|           |            | 25      | 25        | 21.09   | 21.15   | 21.06   | 22.00   |

|           | 64QAM      | 50      | 0         | 21.04   | 21.10   | 21.03   | 22.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 20.95   | 20.96   | 20.90   | 22.00   |
|           |            | 1       | 25        | 20.96   | 20.99   | 21.00   | 22.00   |
|           |            | 1       | 49        | 21.13   | 21.03   | 21.11   | 22.00   |
|           |            | 25      | 0         | 20.11   | 20.13   | 20.17   | 21.00   |
|           |            | 25      | 13        | 20.23   | 20.20   | 20.21   | 21.00   |
|           |            | 25      | 25        | 20.23   | 20.21   | 20.15   | 21.00   |
|           | 256QAM     | 50      | 0         | 20.13   | 20.04   | 20.03   | 21.00   |
|           |            | 1       | 0         | 17.97   | 17.97   | 18.03   | 19.00   |
|           |            | 1       | 25        | 17.94   | 17.99   | 17.98   | 19.00   |
|           |            | 1       | 49        | 17.96   | 18.03   | 17.93   | 19.00   |
|           |            | 25      | 0         | 18.16   | 18.16   | 18.13   | 19.00   |
|           |            | 25      | 13        | 18.16   | 18.11   | 18.16   | 19.00   |
|           |            | 25      | 25        | 18.08   | 18.03   | 18.13   | 19.00   |
|           |            | 50      | 0         | 18.08   | 18.15   | 18.24   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.02   | 23.01   | 22.95   | 24.00   |
|           |            | 1       | 38        | 23.03   | 22.98   | 22.96   | 24.00   |
|           |            | 1       | 74        | 23.10   | 23.10   | 23.03   | 24.00   |
|           |            | 36      | 0         | 22.27   | 22.20   | 22.27   | 23.00   |
|           |            | 36      | 18        | 21.96   | 21.95   | 21.85   | 23.00   |
|           |            | 36      | 39        | 22.33   | 22.28   | 22.37   | 23.00   |
|           |            | 75      | 0         | 22.31   | 22.21   | 22.23   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.12   | 22.06   | 22.03   | 23.00   |
|           |            | 1       | 38        | 22.05   | 21.98   | 22.03   | 23.00   |
|           |            | 1       | 74        | 22.11   | 22.02   | 22.04   | 23.00   |
|           |            | 36      | 0         | 21.21   | 21.21   | 21.31   | 22.00   |
|           |            | 36      | 18        | 21.09   | 21.07   | 21.04   | 22.00   |
|           |            | 36      | 39        | 21.17   | 21.22   | 21.16   | 22.00   |
|           |            | 75      | 0         | 21.11   | 21.18   | 21.23   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.89   | 20.98   | 20.97   | 22.00   |
|           |            | 1       | 38        | 21.12   | 21.05   | 21.04   | 22.00   |
|           |            | 1       | 74        | 20.89   | 20.99   | 20.96   | 22.00   |
|           |            | 36      | 0         | 20.09   | 20.05   | 20.05   | 21.00   |
|           |            | 36      | 18        | 20.20   | 20.16   | 20.08   | 21.00   |
|           |            | 36      | 39        | 20.17   | 20.15   | 20.07   | 21.00   |
|           |            | 75      | 0         | 20.08   | 19.99   | 19.96   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.02   | 17.99   | 18.05   | 19.00   |
|           |            | 1       | 38        | 17.94   | 18.03   | 18.00   | 19.00   |
|           |            | 1       | 74        | 17.91   | 17.98   | 18.08   | 19.00   |
|           |            | 36      | 0         | 18.17   | 18.09   | 18.19   | 19.00   |
|           |            | 36      | 18        | 18.05   | 18.07   | 18.11   | 19.00   |
|           |            | 36      | 39        | 18.16   | 18.07   | 18.03   | 19.00   |
|           |            | 75      | 0         | 18.10   | 18.11   | 18.14   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 20175   | /       |         |
| 20MHz     | QPSK       | 1       | 0         | /       | 23.11   | /       | 24.00   |
|           |            | 1       | 50        | /       | 23.08   | /       | 24.00   |
|           |            | 1       | 99        | /       | 23.09   | /       | 24.00   |
|           |            | 50      | 0         | /       | 22.16   | /       | 23.00   |
|           |            | 50      | 25        | /       | 22.05   | /       | 23.00   |
|           |            | 50      | 50        | /       | 22.18   | /       | 23.00   |
|           |            | 100     | 0         | /       | 22.11   | /       | 23.00   |
|           | 16QAM      | 1       | 0         | /       | 22.09   | /       | 23.00   |
|           |            | 1       | 50        | /       | 22.07   | /       | 23.00   |
|           |            | 1       | 99        | /       | 22.04   | /       | 23.00   |
|           |            | 50      | 0         | /       | 21.22   | /       | 22.00   |
|           |            | 50      | 25        | /       | 21.13   | /       | 22.00   |
|           |            | 50      | 50        | /       | 21.15   | /       | 22.00   |
|           |            | 100     | 0         | /       | 21.14   | /       | 22.00   |
|           | 64QAM      | 1       | 0         | /       | 21.08   | /       | 22.00   |
|           |            | 1       | 50        | /       | 21.12   | /       | 22.00   |
|           |            | 1       | 99        | /       | 21.07   | /       | 22.00   |
|           |            | 50      | 0         | /       | 20.10   | /       | 21.00   |
|           |            | 50      | 25        | /       | 20.11   | /       | 21.00   |
|           |            | 50      | 50        | /       | 20.14   | /       | 21.00   |
|           |            | 100     | 0         | /       | 20.06   | /       | 21.00   |
|           | 256QAM     | 1       | 0         | /       | 18.04   | /       | 19.00   |
|           |            | 1       | 50        | /       | 18.08   | /       | 19.00   |

|  |  |     |    |   |       |   |       |
|--|--|-----|----|---|-------|---|-------|
|  |  | 1   | 99 | / | 18.02 | / | 19.00 |
|  |  | 50  | 0  | / | 18.04 | / | 19.00 |
|  |  | 50  | 25 | / | 18.15 | / | 19.00 |
|  |  | 50  | 50 | / | 18.11 | / | 19.00 |
|  |  | 100 | 0  | / | 18.15 | / | 19.00 |

| LTE Band 4 sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz               | QPSK       | 1       | 0         | 21.83                | 21.99   | 21.87   | 23.00   |
|                      |            | 1       | 2         | 21.81                | 21.96   | 21.83   | 23.00   |
|                      |            | 1       | 5         | 21.78                | 21.92   | 21.82   | 23.00   |
|                      |            | 3       | 0         | 21.82                | 21.94   | 21.83   | 23.00   |
|                      |            | 3       | 2         | 21.75                | 21.89   | 21.78   | 23.00   |
|                      |            | 3       | 3         | 21.79                | 21.90   | 21.79   | 23.00   |
|                      | 16QAM      | 6       | 0         | 21.82                | 21.92   | 21.82   | 23.00   |
|                      |            | 1       | 0         | 21.83                | 21.93   | 21.79   | 23.00   |
|                      |            | 1       | 2         | 21.84                | 21.96   | 21.84   | 23.00   |
|                      |            | 1       | 5         | 21.84                | 21.94   | 21.82   | 23.00   |
|                      |            | 3       | 0         | 21.82                | 21.93   | 21.79   | 23.00   |
|                      |            | 3       | 2         | 21.79                | 21.91   | 21.83   | 23.00   |
|                      | 64QAM      | 3       | 3         | 21.85                | 21.98   | 21.83   | 23.00   |
|                      |            | 6       | 0         | 20.90                | 21.00   | 20.89   | 22.00   |
|                      |            | 1       | 0         | 20.83                | 20.95   | 20.87   | 22.00   |
|                      |            | 1       | 2         | 20.89                | 20.99   | 20.85   | 22.00   |
|                      |            | 1       | 5         | 20.82                | 20.98   | 20.82   | 22.00   |
|                      |            | 3       | 0         | 20.87                | 21.03   | 20.89   | 22.00   |
| 3MHz                 | QPSK       | 3       | 2         | 20.83                | 20.96   | 20.84   | 22.00   |
|                      |            | 3       | 3         | 20.88                | 21.00   | 20.85   | 22.00   |
|                      |            | 6       | 0         | 19.85                | 19.96   | 19.83   | 21.00   |
|                      | 16QAM      | 1       | 0         | 17.82                | 17.89   | 17.81   | 19.00   |
|                      |            | 1       | 2         | 17.87                | 17.98   | 17.84   | 19.00   |
|                      |            | 1       | 5         | 17.80                | 17.89   | 17.80   | 19.00   |
|                      | 256QAM     | 3       | 0         | 17.75                | 17.94   | 17.81   | 19.00   |
|                      |            | 3       | 2         | 17.87                | 18.06   | 17.89   | 19.00   |
|                      |            | 3       | 3         | 17.89                | 17.96   | 17.89   | 19.00   |
|                      |            | 6       | 0         | 17.89                | 18.04   | 17.91   | 19.00   |
|                      | 64QAM      | 1       | 0         | 21.81                | 21.97   | 21.84   | 23.00   |
|                      |            | 1       | 7         | 21.84                | 21.97   | 21.82   | 23.00   |
|                      |            | 1       | 14        | 21.80                | 21.94   | 21.78   | 23.00   |
|                      |            | 8       | 0         | 21.85                | 21.90   | 21.82   | 23.00   |
|                      |            | 8       | 4         | 21.73                | 21.93   | 21.80   | 23.00   |
|                      |            | 8       | 7         | 21.81                | 21.91   | 21.82   | 23.00   |
| 3MHz                 | QPSK       | 15      | 0         | 21.80                | 21.95   | 21.83   | 23.00   |
|                      |            | 1       | 0         | 21.82                | 21.95   | 21.81   | 23.00   |
|                      |            | 1       | 7         | 21.83                | 21.97   | 21.84   | 23.00   |
|                      |            | 1       | 14        | 21.83                | 21.93   | 21.82   | 23.00   |
|                      |            | 8       | 0         | 20.98                | 21.11   | 20.96   | 22.00   |
|                      |            | 8       | 4         | 20.88                | 21.03   | 20.91   | 22.00   |
|                      | 16QAM      | 8       | 7         | 20.92                | 21.02   | 20.88   | 22.00   |
|                      |            | 15      | 0         | 20.88                | 21.02   | 20.90   | 22.00   |
|                      | 64QAM      | 1       | 0         | 20.80                | 20.95   | 20.85   | 22.00   |
|                      |            | 1       | 7         | 20.93                | 20.99   | 20.87   | 22.00   |
|                      |            | 1       | 14        | 20.79                | 20.95   | 20.85   | 22.00   |
|                      |            | 8       | 0         | 19.90                | 19.97   | 19.85   | 21.00   |
|                      | 256QAM     | 8       | 4         | 19.87                | 19.97   | 19.88   | 21.00   |
|                      |            | 8       | 7         | 19.90                | 20.05   | 19.93   | 21.00   |
|                      |            | 15      | 0         | 19.82                | 19.92   | 19.81   | 21.00   |
|                      |            | 1       | 0         | 17.81                | 17.92   | 17.81   | 19.00   |
|                      |            | 1       | 7         | 17.87                | 17.93   | 17.81   | 19.00   |
|                      |            | 1       | 14        | 17.76                | 17.92   | 17.80   | 19.00   |
|                      | 256QAM     | 8       | 0         | 17.76                | 17.92   | 17.81   | 19.00   |
|                      |            | 8       | 4         | 17.89                | 18.01   | 17.87   | 19.00   |
|                      |            | 8       | 7         | 17.88                | 18.01   | 17.87   | 19.00   |
|                      |            | 15      | 0         | 17.88                | 18.02   | 17.91   | 19.00   |
|                      |            | 1       | 0         | 17.81                | 17.92   | 17.81   | 19.00   |
|                      |            | 1       | 7         | 17.87                | 17.93   | 17.81   | 19.00   |
|                      |            | 1       | 14        | 17.76                | 17.92   | 17.80   | 19.00   |
|                      |            | 8       | 0         | 17.76                | 17.92   | 17.81   | 19.00   |
|                      |            | 8       | 4         | 17.89                | 18.01   | 17.87   | 19.00   |
|                      |            | 8       | 7         | 17.88                | 18.01   | 17.87   | 19.00   |
|                      |            | 15      | 0         | 17.88                | 18.02   | 17.91   | 19.00   |
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

| Bandwidth | Modulation | RB size | RB offset | 19975   | 20175   | 20375   | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Channel | Channel | Channel |         |
| 5MHz      | QPSK       | 1       | 0         | 21.79   | 22.00   | 21.85   | 23.00   |
|           |            | 1       | 13        | 21.85   | 21.93   | 21.83   | 23.00   |
|           |            | 1       | 24        | 21.77   | 21.93   | 21.78   | 23.00   |
|           |            | 12      | 0         | 21.84   | 21.92   | 21.82   | 23.00   |
|           |            | 12      | 6         | 21.79   | 21.94   | 21.79   | 23.00   |
|           |            | 12      | 13        | 21.77   | 21.94   | 21.79   | 23.00   |
|           | 16QAM      | 25      | 0         | 21.82   | 21.94   | 21.80   | 23.00   |
|           |            | 1       | 0         | 21.83   | 21.92   | 21.80   | 23.00   |
|           |            | 1       | 13        | 21.81   | 21.97   | 21.86   | 23.00   |
|           |            | 1       | 24        | 21.88   | 21.93   | 21.84   | 23.00   |
|           |            | 12      | 0         | 20.99   | 21.11   | 20.99   | 22.00   |
|           |            | 12      | 6         | 20.88   | 21.03   | 20.88   | 22.00   |
|           | 64QAM      | 12      | 13        | 20.95   | 21.06   | 20.90   | 22.00   |
|           |            | 25      | 0         | 20.89   | 21.04   | 20.89   | 22.00   |
|           |            | 1       | 0         | 20.80   | 20.98   | 20.87   | 22.00   |
|           |            | 1       | 13        | 20.93   | 21.01   | 20.84   | 22.00   |
|           |            | 1       | 24        | 20.82   | 20.95   | 20.82   | 22.00   |
|           |            | 12      | 0         | 19.90   | 20.01   | 19.86   | 21.00   |
| 10MHz     | QPSK       | 12      | 6         | 19.82   | 20.02   | 19.88   | 21.00   |
|           |            | 12      | 13        | 19.92   | 20.03   | 19.92   | 21.00   |
|           |            | 25      | 0         | 19.86   | 19.96   | 19.83   | 21.00   |
|           | 16QAM      | 1       | 0         | 17.80   | 17.92   | 17.79   | 19.00   |
|           |            | 1       | 13        | 17.83   | 17.95   | 17.84   | 19.00   |
|           |            | 1       | 24        | 17.77   | 17.88   | 17.81   | 19.00   |
|           | 64QAM      | 12      | 0         | 17.76   | 17.90   | 17.78   | 19.00   |
|           |            | 12      | 6         | 17.90   | 18.04   | 17.90   | 19.00   |
|           |            | 12      | 13        | 17.87   | 18.01   | 17.90   | 19.00   |
|           |            | 25      | 0         | 17.91   | 18.04   | 17.90   | 19.00   |
|           | 256QAM     | 1       | 0         | 21.85   | 22.00   | 21.86   | 23.00   |
|           |            | 1       | 25        | 21.86   | 21.94   | 21.83   | 23.00   |
|           |            | 1       | 49        | 21.79   | 21.95   | 21.77   | 23.00   |
|           |            | 25      | 0         | 21.83   | 21.91   | 21.82   | 23.00   |
|           |            | 25      | 13        | 21.76   | 21.92   | 21.79   | 23.00   |
|           |            | 25      | 25        | 21.76   | 21.95   | 21.79   | 23.00   |
| 15MHz     | QPSK       | 50      | 0         | 21.82   | 21.95   | 21.82   | 23.00   |
|           |            | 1       | 0         | 21.82   | 21.92   | 21.83   | 23.00   |
|           |            | 1       | 25        | 21.83   | 21.95   | 21.81   | 23.00   |
|           |            | 1       | 49        | 21.86   | 21.93   | 21.83   | 23.00   |
|           |            | 25      | 0         | 20.95   | 21.11   | 20.96   | 22.00   |
|           |            | 25      | 13        | 20.90   | 20.99   | 20.90   | 22.00   |
|           | 16QAM      | 25      | 25        | 20.90   | 21.04   | 20.89   | 22.00   |
|           |            | 50      | 0         | 20.89   | 21.05   | 20.91   | 22.00   |
|           |            | 1       | 0         | 20.80   | 20.98   | 20.87   | 22.00   |
|           |            | 1       | 25        | 20.89   | 20.99   | 20.87   | 22.00   |
|           |            | 1       | 49        | 20.83   | 20.93   | 20.84   | 22.00   |
|           |            | 25      | 0         | 19.87   | 20.00   | 19.89   | 21.00   |
|           | 64QAM      | 25      | 13        | 19.85   | 20.00   | 19.86   | 21.00   |
|           |            | 25      | 25        | 19.93   | 20.03   | 19.91   | 21.00   |
|           |            | 50      | 0         | 19.82   | 19.95   | 19.79   | 21.00   |
|           |            | 1       | 0         | 17.78   | 17.94   | 17.79   | 19.00   |
|           |            | 1       | 25        | 17.88   | 17.97   | 17.84   | 19.00   |
|           |            | 1       | 49        | 17.75   | 17.90   | 17.84   | 19.00   |
|           | 256QAM     | 25      | 0         | 17.77   | 17.90   | 17.80   | 19.00   |
|           |            | 25      | 13        | 17.89   | 18.03   | 17.85   | 19.00   |
|           |            | 25      | 25        | 17.86   | 18.00   | 17.91   | 19.00   |
|           |            | 50      | 0         | 17.92   | 18.01   | 17.88   | 19.00   |
|           |            | 1       | 0         | 21.81   | 21.96   | 21.83   | 23.00   |
|           |            | 1       | 38        | 21.81   | 21.96   | 21.84   | 23.00   |
|           | 16QAM      | 1       | 74        | 21.82   | 21.91   | 21.79   | 23.00   |
|           |            | 36      | 0         | 21.80   | 21.93   | 21.86   | 23.00   |
|           |            | 36      | 18        | 21.77   | 21.91   | 21.78   | 23.00   |
|           |            | 36      | 39        | 21.81   | 21.96   | 21.80   | 23.00   |
|           |            | 75      | 0         | 21.80   | 21.98   | 21.79   | 23.00   |
|           |            | 1       | 0         | 21.82   | 21.94   | 21.78   | 23.00   |
|           |            | 1       | 38        | 21.84   | 21.94   | 21.87   | 23.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 74        | 21.88   | 21.98   | 21.87   | 23.00   |
|           |            | 36      | 0         | 20.98   | 21.11   | 21.00   | 22.00   |
|           |            | 36      | 18        | 20.89   | 21.03   | 20.92   | 22.00   |
|           |            | 36      | 39        | 20.89   | 21.00   | 20.88   | 22.00   |
|           |            | 75      | 0         | 20.90   | 21.04   | 20.88   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.82   | 20.93   | 20.85   | 22.00   |
|           |            | 1       | 38        | 20.89   | 20.98   | 20.83   | 22.00   |
|           |            | 1       | 74        | 20.78   | 20.97   | 20.84   | 22.00   |
|           |            | 36      | 0         | 19.89   | 19.95   | 19.85   | 21.00   |
|           |            | 36      | 18        | 19.87   | 19.99   | 19.91   | 21.00   |
|           | 256QAM     | 36      | 39        | 19.92   | 20.03   | 19.94   | 21.00   |
|           |            | 75      | 0         | 19.82   | 19.93   | 19.82   | 21.00   |
|           |            | 1       | 0         | 17.83   | 17.92   | 17.79   | 19.00   |
|           |            | 1       | 38        | 17.84   | 17.94   | 17.82   | 19.00   |
|           |            | 1       | 74        | 17.76   | 17.89   | 17.82   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 20175   | /       |         |
| 20MHz     | QPSK       | 1       | 0         | /       | 22.09   | /       | 23.00   |
|           |            | 1       | 50        | /       | 22.07   | /       | 23.00   |
|           |            | 1       | 99        | /       | 22.04   | /       | 23.00   |
|           |            | 50      | 0         | /       | 22.05   | /       | 23.00   |
|           |            | 50      | 25        | /       | 22.03   | /       | 23.00   |
|           |            | 50      | 50        | /       | 22.05   | /       | 23.00   |
|           |            | 100     | 0         | /       | 22.07   | /       | 23.00   |
|           | 16QAM      | 1       | 0         | /       | 22.06   | /       | 23.00   |
|           |            | 1       | 50        | /       | 22.08   | /       | 23.00   |
|           |            | 1       | 99        | /       | 22.07   | /       | 23.00   |
|           |            | 50      | 0         | /       | 21.22   | /       | 22.00   |
|           |            | 50      | 25        | /       | 21.13   | /       | 22.00   |
|           |            | 50      | 50        | /       | 21.15   | /       | 22.00   |
|           |            | 100     | 0         | /       | 21.14   | /       | 22.00   |
|           | 64QAM      | 1       | 0         | /       | 21.08   | /       | 22.00   |
|           |            | 1       | 50        | /       | 21.12   | /       | 22.00   |
|           |            | 1       | 99        | /       | 21.07   | /       | 22.00   |
|           |            | 50      | 0         | /       | 20.10   | /       | 21.00   |
|           |            | 50      | 25        | /       | 20.11   | /       | 21.00   |
|           |            | 50      | 50        | /       | 20.14   | /       | 21.00   |
|           |            | 100     | 0         | /       | 20.06   | /       | 21.00   |
|           | 256QAM     | 1       | 0         | /       | 18.04   | /       | 19.00   |
|           |            | 1       | 50        | /       | 18.08   | /       | 19.00   |
|           |            | 1       | 99        | /       | 18.02   | /       | 19.00   |
|           |            | 50      | 0         | /       | 18.04   | /       | 19.00   |
|           |            | 50      | 25        | /       | 18.15   | /       | 19.00   |
|           |            | 50      | 50        | /       | 18.11   | /       | 19.00   |
|           |            | 100     | 0         | /       | 18.15   | /       | 19.00   |

| LTE Band 4 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                      | QPSK       | 1       | 0         | 18.85                | 19.06   | 18.98   | 20.00   |
|                             |            | 1       | 2         | 18.84                | 18.93   | 18.82   | 20.00   |
|                             |            | 1       | 5         | 18.84                | 18.94   | 18.90   | 20.00   |
|                             |            | 3       | 0         | 19.03                | 19.01   | 18.87   | 20.00   |
|                             |            | 3       | 2         | 18.82                | 18.98   | 18.80   | 20.00   |
|                             |            | 3       | 3         | 18.82                | 18.88   | 18.94   | 20.00   |
|                             | 16QAM      | 6       | 0         | 18.86                | 19.09   | 19.00   | 20.00   |
|                             |            | 1       | 0         | 18.87                | 18.88   | 18.97   | 20.00   |
|                             |            | 1       | 2         | 18.99                | 19.04   | 18.88   | 20.00   |
|                             |            | 1       | 5         | 18.92                | 19.04   | 18.93   | 20.00   |
|                             |            | 3       | 0         | 18.88                | 18.89   | 18.85   | 20.00   |
|                             |            | 3       | 2         | 18.92                | 19.03   | 18.94   | 20.00   |
|                             |            | 3       | 3         | 18.99                | 19.02   | 18.99   | 20.00   |
|                             |            | 6       | 0         | 18.93                | 18.96   | 18.98   | 20.00   |
|                             | 64QAM      | 1       | 0         | 18.92                | 18.94   | 18.95   | 20.00   |

|           |            |         |           |                  |                  |                  |         |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 2         | 18.91            | 18.96            | 18.94            | 20.00   |
|           |            | 1       | 5         | 18.85            | 18.95            | 18.77            | 20.00   |
|           |            | 3       | 0         | 18.96            | 19.04            | 18.89            | 20.00   |
|           |            | 3       | 2         | 18.99            | 18.98            | 18.98            | 20.00   |
|           |            | 3       | 3         | 18.97            | 19.08            | 18.94            | 20.00   |
|           |            | 6       | 0         | 18.83            | 18.88            | 18.83            | 20.00   |
|           | 256QAM     | 1       | 0         | 17.87            | 18.01            | 17.81            | 19.00   |
|           |            | 1       | 2         | 17.90            | 18.03            | 17.93            | 19.00   |
|           |            | 1       | 5         | 18.01            | 18.00            | 17.77            | 19.00   |
|           |            | 3       | 0         | 17.79            | 17.96            | 17.89            | 19.00   |
|           |            | 3       | 2         | 18.08            | 18.07            | 18.09            | 19.00   |
|           |            | 3       | 3         | 17.85            | 18.08            | 17.98            | 19.00   |
|           |            | 6       | 0         | 17.91            | 18.09            | 18.05            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>19965 | Channel<br>20175 | Channel<br>20385 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 18.90            | 19.07            | 19.09            | 20.00   |
|           |            | 1       | 7         | 18.78            | 18.95            | 18.89            | 20.00   |
|           |            | 1       | 14        | 18.86            | 18.88            | 18.88            | 20.00   |
|           |            | 8       | 0         | 18.97            | 19.09            | 18.87            | 20.00   |
|           |            | 8       | 4         | 18.85            | 18.92            | 18.79            | 20.00   |
|           |            | 8       | 7         | 18.88            | 18.90            | 18.98            | 20.00   |
|           | 16QAM      | 15      | 0         | 18.87            | 19.02            | 19.04            | 20.00   |
|           |            | 1       | 0         | 18.90            | 19.00            | 18.96            | 20.00   |
|           |            | 1       | 7         | 19.12            | 19.08            | 18.98            | 20.00   |
|           |            | 1       | 14        | 19.03            | 19.01            | 18.93            | 20.00   |
|           |            | 8       | 0         | 18.95            | 18.97            | 18.93            | 20.00   |
|           |            | 8       | 4         | 18.93            | 19.00            | 18.87            | 20.00   |
|           | 64QAM      | 8       | 7         | 18.94            | 19.11            | 18.85            | 20.00   |
|           |            | 15      | 0         | 18.94            | 18.96            | 18.95            | 20.00   |
|           |            | 1       | 0         | 18.95            | 18.95            | 18.87            | 20.00   |
|           |            | 1       | 7         | 18.93            | 18.92            | 18.97            | 20.00   |
|           |            | 1       | 14        | 18.96            | 18.92            | 18.81            | 20.00   |
|           |            | 8       | 0         | 18.88            | 19.05            | 19.02            | 20.00   |
|           | 256QAM     | 8       | 4         | 18.98            | 19.05            | 18.95            | 20.00   |
|           |            | 8       | 7         | 19.02            | 19.11            | 18.98            | 20.00   |
|           |            | 15      | 0         | 18.73            | 18.95            | 18.86            | 20.00   |
|           |            | 1       | 0         | 17.93            | 18.00            | 17.86            | 19.00   |
|           |            | 1       | 7         | 17.97            | 18.01            | 17.87            | 19.00   |
|           |            | 1       | 14        | 17.96            | 18.00            | 17.83            | 19.00   |
| 5MHz      | QPSK       | 8       | 0         | 17.92            | 18.00            | 17.96            | 19.00   |
|           |            | 8       | 4         | 17.98            | 18.10            | 18.02            | 19.00   |
|           |            | 8       | 7         | 17.87            | 18.06            | 18.00            | 19.00   |
|           |            | 15      | 0         | 17.91            | 18.13            | 18.15            | 19.00   |
|           | 16QAM      | 1       | 0         | 18.85            | 19.04            | 19.09            | 20.00   |
|           |            | 1       | 13        | 18.77            | 18.87            | 18.86            | 20.00   |
|           |            | 1       | 24        | 18.86            | 18.94            | 18.78            | 20.00   |
|           |            | 12      | 0         | 18.91            | 19.07            | 18.91            | 20.00   |
|           |            | 12      | 6         | 18.78            | 18.99            | 18.87            | 20.00   |
|           |            | 12      | 13        | 18.79            | 19.03            | 18.95            | 20.00   |
|           | 64QAM      | 25      | 0         | 18.88            | 19.04            | 19.03            | 20.00   |
|           |            | 1       | 0         | 18.80            | 18.90            | 18.84            | 20.00   |
|           |            | 1       | 13        | 18.99            | 19.01            | 18.87            | 20.00   |
|           |            | 1       | 24        | 18.92            | 19.02            | 19.01            | 20.00   |
|           |            | 12      | 0         | 18.95            | 18.92            | 18.93            | 20.00   |
|           |            | 12      | 6         | 18.87            | 19.07            | 18.85            | 20.00   |
|           | 256QAM     | 12      | 13        | 18.89            | 19.11            | 19.00            | 20.00   |
|           |            | 25      | 0         | 18.95            | 19.02            | 19.02            | 20.00   |
|           |            | 1       | 0         | 18.95            | 19.00            | 18.86            | 20.00   |
|           |            | 1       | 13        | 18.97            | 18.98            | 18.94            | 20.00   |
|           |            | 1       | 24        | 18.86            | 18.93            | 18.76            | 20.00   |
|           |            | 12      | 0         | 18.88            | 19.04            | 18.91            | 20.00   |
|           | QPSK       | 12      | 6         | 18.96            | 19.06            | 18.95            | 20.00   |
|           |            | 12      | 13        | 19.03            | 19.00            | 18.92            | 20.00   |
|           |            | 25      | 0         | 18.86            | 18.96            | 18.89            | 20.00   |
|           |            | 1       | 0         | 17.80            | 17.90            | 17.93            | 19.00   |
|           |            | 1       | 13        | 17.87            | 18.03            | 17.89            | 19.00   |
|           |            | 1       | 24        | 17.93            | 17.93            | 17.84            | 19.00   |
|           | 16QAM      | 12      | 0         | 17.90            | 18.00            | 17.93            | 19.00   |
|           |            | 1       | 0         | 18.85            | 19.04            | 19.09            | 20.00   |
|           |            | 1       | 13        | 18.77            | 18.87            | 18.86            | 20.00   |
|           |            | 1       | 24        | 18.86            | 18.94            | 18.78            | 20.00   |
|           |            | 12      | 0         | 18.91            | 19.07            | 18.91            | 20.00   |
|           |            | 12      | 6         | 18.78            | 18.99            | 18.87            | 20.00   |
|           | QPSK       | 12      | 13        | 18.79            | 19.03            | 18.95            | 20.00   |
|           |            | 25      | 0         | 18.88            | 19.04            | 19.03            | 20.00   |
|           |            | 1       | 0         | 18.80            | 18.90            | 18.84            | 20.00   |
|           |            | 1       | 13        | 18.99            | 19.01            | 18.87            | 20.00   |
|           |            | 1       | 24        | 18.92            | 19.02            | 19.01            | 20.00   |
|           |            | 12      | 0         | 18.95            | 18.92            | 18.93            | 20.00   |
|           | 16QAM      | 12      | 6         | 18.87            | 19.07            | 18.85            | 20.00   |
|           |            | 12      | 13        | 18.89            | 19.11            | 19.00            | 20.00   |
|           |            | 25      | 0         | 18.95            | 19.02            | 19.02            | 20.00   |
|           |            | 1       | 0         | 18.95            | 19.00            | 18.86            | 20.00   |
|           |            | 1       | 13        | 18.97            | 18.98            | 18.94            | 20.00   |
|           |            | 1       | 24        | 18.86            | 18.93            | 18.76            | 20.00   |
|           | QPSK       | 12      | 0         | 18.88            | 19.04            | 18.91            | 20.00   |
|           |            | 12      | 6         | 18.96            | 19.06            | 18.95            | 20.00   |
|           |            | 12      | 13        | 19.03            | 19.00            | 18.92            | 20.00   |
|           |            | 25      | 0         | 18.86            | 18.96            | 18.89            | 20.00   |
|           |            | 1       | 0         | 17.80            | 17.90            | 17.93            | 19.00   |
|           |            | 1       | 13        | 17.87            | 18.03            | 17.89            | 19.00   |
|           | 16QAM      | 1       | 24        | 17.93            | 17.93            | 17.84            | 19.00   |
|           |            | 12      | 0         | 17.90            | 18.00            | 17.93            | 19.00   |
|           |            | 1       | 0         | 18.85            | 19.04            | 19.09            | 20.00   |
|           |            | 1       | 13        | 18.77            | 18.87            | 18.86            | 20.00   |
|           |            | 1       | 24        | 18.86            | 18.94            | 18.78            | 20.00   |
|           |            | 12      | 0         | 18.91            | 19.07            | 18.91            | 20.00   |
|           | QPSK       | 12      | 6         | 18.78            | 18.99            | 18.87            | 20.00   |
|           |            | 12      | 13        | 18.79            | 19.03            | 18.95            | 20.00   |
|           |            | 25      | 0         | 18.88            | 19.04            | 19.03            | 20.00   |
|           |            | 1       | 0         | 18.80            | 18.90            | 18.84            | 20.00   |
|           |            | 1       | 13        | 18.99            | 19.01            | 18.87            | 20.00   |
|           |            | 1       | 24        | 18.92            | 19.02            | 19.01            | 20.00   |
|           | 16QAM      | 12      | 0         | 18.95            | 18.92            | 18.93            | 20.00   |
|           |            | 12      | 6         | 18.87            | 19.07            | 18.85            | 20.00   |
|           |            | 12      | 13        | 18.89            | 19.11            | 19.00            | 20.00   |
|           |            | 25      | 0         | 18.95            | 19.02            | 19.02            | 20.00   |
|           |            | 1       | 0         | 18.95            | 19.00            | 18.86            | 20.00   |
|           |            | 1       | 13        | 18.97            | 18.98            | 18.94            | 20.00   |
|           | QPSK       | 1       | 24        | 18.86            | 18.93            | 18.76            | 20.00   |
|           |            | 12      | 0         | 18.88            | 19.04            | 18.91            | 20.00   |
|           |            | 12      | 6         | 18.96            | 19.06            | 18.95            | 20.00   |
|           |            | 12      | 13        | 19.03            | 19.00            | 18.92            | 20.00   |
|           |            | 25      | 0         | 18.86            | 18.96            | 18.89            | 20.00   |
|           |            | 1       | 0         | 17.80            | 17.90            | 17.93            | 19.00   |
|           | 16QAM      | 1       | 13        | 17.87            | 18.03            | 17.89            | 19.00   |
|           |            | 1       | 24        | 17.93            | 17.93            | 17.84            | 19.00   |
|           |            | 12      | 0         | 17.90            | 18.00            | 17.93            | 19.00   |
|           |            | 1       | 0         | 18.85            | 19.04            | 19.09            | 20.00   |
|           |            | 1       | 13        | 18.77            | 18.87            | 18.86            | 20.00   |
|           |            | 1       | 24        | 18.86            | 18.94            | 18.78            | 20.00   |

|           |            | 12      | 6         | 18.05   | 18.11   | 18.10   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 17.88   | 17.96   | 17.98   | 19.00   |
|           |            | 25      | 0         | 17.96   | 18.12   | 18.01   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.90   | 19.12   | 18.99   | 20.00   |
|           |            | 1       | 25        | 18.77   | 18.97   | 18.85   | 20.00   |
|           |            | 1       | 49        | 18.99   | 18.93   | 18.86   | 20.00   |
|           |            | 25      | 0         | 18.95   | 19.06   | 18.95   | 20.00   |
|           |            | 25      | 13        | 18.75   | 18.90   | 18.89   | 20.00   |
|           |            | 25      | 25        | 18.84   | 18.89   | 18.87   | 20.00   |
|           |            | 50      | 0         | 18.89   | 19.06   | 19.04   | 20.00   |
|           | 16QAM      | 1       | 0         | 18.79   | 18.97   | 18.93   | 20.00   |
|           |            | 1       | 25        | 19.06   | 19.10   | 18.94   | 20.00   |
|           |            | 1       | 49        | 18.97   | 19.01   | 18.94   | 20.00   |
|           |            | 25      | 0         | 18.89   | 18.95   | 18.87   | 20.00   |
|           |            | 25      | 13        | 18.85   | 18.96   | 18.95   | 20.00   |
|           |            | 25      | 25        | 18.98   | 19.04   | 18.93   | 20.00   |
|           |            | 50      | 0         | 18.85   | 18.99   | 18.99   | 20.00   |
|           | 64QAM      | 1       | 0         | 18.83   | 19.04   | 18.90   | 20.00   |
|           |            | 1       | 25        | 18.96   | 18.95   | 18.86   | 20.00   |
|           |            | 1       | 49        | 18.85   | 18.90   | 18.80   | 20.00   |
|           |            | 25      | 0         | 18.89   | 19.02   | 19.00   | 20.00   |
|           |            | 25      | 13        | 19.00   | 19.05   | 18.97   | 20.00   |
|           |            | 25      | 25        | 18.89   | 19.08   | 18.98   | 20.00   |
|           |            | 50      | 0         | 18.84   | 18.99   | 18.88   | 20.00   |
|           | 256QAM     | 1       | 0         | 17.85   | 17.95   | 17.81   | 19.00   |
|           |            | 1       | 25        | 17.88   | 18.00   | 17.88   | 19.00   |
|           |            | 1       | 49        | 17.97   | 17.92   | 17.82   | 19.00   |
|           |            | 25      | 0         | 17.92   | 18.01   | 18.00   | 19.00   |
|           |            | 25      | 13        | 17.99   | 18.06   | 17.97   | 19.00   |
|           |            | 25      | 25        | 17.87   | 18.04   | 17.97   | 19.00   |
|           |            | 50      | 0         | 17.94   | 18.05   | 18.01   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.98   | 19.03   | 19.10   | 20.00   |
|           |            | 1       | 38        | 18.89   | 18.85   | 18.85   | 20.00   |
|           |            | 1       | 74        | 18.93   | 18.87   | 18.89   | 20.00   |
|           |            | 36      | 0         | 18.95   | 18.99   | 18.85   | 20.00   |
|           |            | 36      | 18        | 18.72   | 18.92   | 18.83   | 20.00   |
|           |            | 36      | 39        | 18.81   | 18.90   | 18.99   | 20.00   |
|           |            | 75      | 0         | 18.95   | 19.04   | 19.03   | 20.00   |
|           | 16QAM      | 1       | 0         | 18.85   | 18.94   | 18.88   | 20.00   |
|           |            | 1       | 38        | 19.04   | 18.97   | 18.99   | 20.00   |
|           |            | 1       | 74        | 18.93   | 19.06   | 19.00   | 20.00   |
|           |            | 36      | 0         | 18.87   | 18.92   | 18.91   | 20.00   |
|           |            | 36      | 18        | 18.81   | 18.99   | 18.93   | 20.00   |
|           |            | 36      | 39        | 18.99   | 19.01   | 18.93   | 20.00   |
|           |            | 75      | 0         | 18.97   | 19.02   | 18.94   | 20.00   |
|           | 64QAM      | 1       | 0         | 18.85   | 18.99   | 18.91   | 20.00   |
|           |            | 1       | 38        | 18.96   | 18.94   | 18.91   | 20.00   |
|           |            | 1       | 74        | 18.85   | 18.88   | 18.78   | 20.00   |
|           |            | 36      | 0         | 18.93   | 18.99   | 19.02   | 20.00   |
|           |            | 36      | 18        | 18.94   | 19.08   | 18.92   | 20.00   |
|           |            | 36      | 39        | 19.00   | 19.03   | 18.89   | 20.00   |
|           |            | 75      | 0         | 18.76   | 18.93   | 18.85   | 20.00   |
|           | 256QAM     | 1       | 0         | 17.84   | 18.02   | 17.83   | 19.00   |
|           |            | 1       | 38        | 17.89   | 17.99   | 17.88   | 19.00   |
|           |            | 1       | 74        | 17.90   | 17.91   | 17.86   | 19.00   |
|           |            | 36      | 0         | 17.83   | 17.93   | 17.92   | 19.00   |
|           |            | 36      | 18        | 18.12   | 18.09   | 18.04   | 19.00   |
|           |            | 36      | 39        | 17.92   | 18.06   | 17.91   | 19.00   |
|           |            | 75      | 0         | 17.88   | 18.02   | 18.05   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 20175   | /       |         |
| 20MHz     | QPSK       | 1       | 0         | /       | 19.14   | /       | 20.00   |
|           |            | 1       | 50        | /       | 18.99   | /       | 20.00   |
|           |            | 1       | 99        | /       | 19.01   | /       | 20.00   |
|           |            | 50      | 0         | /       | 19.09   | /       | 20.00   |
|           |            | 50      | 25        | /       | 19.02   | /       | 20.00   |

|  |        |     |    |   |       |   |       |
|--|--------|-----|----|---|-------|---|-------|
|  |        | 50  | 50 | / | 19.03 | / | 20.00 |
|  |        | 100 | 0  | / | 19.11 | / | 20.00 |
|  | 16QAM  | 1   | 0  | / | 19.00 | / | 20.00 |
|  |        | 1   | 50 | / | 19.12 | / | 20.00 |
|  |        | 1   | 99 | / | 19.10 | / | 20.00 |
|  |        | 50  | 0  | / | 19.02 | / | 20.00 |
|  |        | 50  | 25 | / | 19.10 | / | 20.00 |
|  |        | 50  | 50 | / | 19.12 | / | 20.00 |
|  |        | 100 | 0  | / | 19.06 | / | 20.00 |
|  |        | 1   | 0  | / | 19.08 | / | 20.00 |
|  | 64QAM  | 1   | 50 | / | 19.03 | / | 20.00 |
|  |        | 1   | 99 | / | 19.01 | / | 20.00 |
|  |        | 50  | 0  | / | 19.05 | / | 20.00 |
|  |        | 50  | 25 | / | 19.08 | / | 20.00 |
|  |        | 50  | 50 | / | 19.12 | / | 20.00 |
|  |        | 100 | 0  | / | 19.02 | / | 20.00 |
|  | 256QAM | 1   | 0  | / | 18.04 | / | 19.00 |
|  |        | 1   | 50 | / | 18.08 | / | 19.00 |
|  |        | 1   | 99 | / | 18.02 | / | 19.00 |
|  |        | 50  | 0  | / | 18.04 | / | 19.00 |
|  |        | 50  | 25 | / | 18.15 | / | 19.00 |
|  |        | 50  | 50 | / | 18.11 | / | 19.00 |
|  |        | 100 | 0  | / | 18.15 | / | 19.00 |

| LTE Band 5 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 23.15                | 23.22   | 23.29   | 24.00   |
|                       |            | 1       | 2         | 22.83                | 22.92   | 22.92   | 24.00   |
|                       |            | 1       | 5         | 23.12                | 23.08   | 23.10   | 24.00   |
|                       |            | 3       | 0         | 23.02                | 22.93   | 22.95   | 24.00   |
|                       |            | 3       | 2         | 23.04                | 23.09   | 23.05   | 24.00   |
|                       |            | 3       | 3         | 22.85                | 22.90   | 22.85   | 24.00   |
|                       | 16QAM      | 6       | 0         | 22.21                | 22.20   | 22.18   | 23.00   |
|                       |            | 1       | 0         | 22.10                | 22.09   | 22.09   | 23.00   |
|                       |            | 1       | 2         | 22.07                | 22.00   | 22.00   | 23.00   |
|                       |            | 1       | 5         | 22.00                | 21.96   | 21.93   | 23.00   |
|                       |            | 3       | 0         | 22.11                | 22.04   | 22.02   | 23.00   |
|                       |            | 3       | 2         | 21.92                | 21.98   | 21.88   | 23.00   |
|                       | 64QAM      | 3       | 3         | 22.11                | 22.19   | 22.26   | 23.00   |
|                       |            | 6       | 0         | 21.17                | 21.14   | 21.08   | 22.00   |
|                       |            | 1       | 0         | 20.97                | 21.03   | 21.08   | 22.00   |
|                       |            | 1       | 2         | 21.16                | 21.14   | 21.22   | 22.00   |
|                       |            | 1       | 5         | 21.08                | 21.01   | 21.02   | 22.00   |
|                       |            | 3       | 0         | 20.89                | 20.93   | 21.02   | 22.00   |
|                       | 256QAM     | 3       | 2         | 21.12                | 21.17   | 21.11   | 22.00   |
|                       |            | 3       | 3         | 21.12                | 21.07   | 20.99   | 22.00   |
|                       |            | 6       | 0         | 20.20                | 20.16   | 20.20   | 21.00   |
|                       |            | 1       | 0         | 18.12                | 18.15   | 18.19   | 19.00   |
|                       |            | 1       | 2         | 17.96                | 18.04   | 17.96   | 19.00   |
|                       |            | 1       | 5         | 18.27                | 18.19   | 18.23   | 19.00   |
|                       |            | 3       | 0         | 18.16                | 18.12   | 18.06   | 19.00   |
|                       |            | 3       | 2         | 17.91                | 17.98   | 18.04   | 19.00   |
| 3MHz                  | QPSK       | 3       | 3         | 17.92                | 17.99   | 18.02   | 19.00   |
|                       |            | 6       | 0         | 18.09                | 18.00   | 17.97   | 19.00   |
|                       | 16QAM      | 1       | 0         | 23.22                | 23.15   | 23.25   | 24.00   |
|                       |            | 1       | 7         | 23.12                | 23.02   | 23.10   | 24.00   |
|                       |            | 1       | 14        | 23.12                | 23.09   | 23.10   | 24.00   |
|                       |            | 8       | 0         | 22.02                | 22.02   | 22.01   | 23.00   |
|                       |            | 8       | 4         | 22.23                | 22.19   | 22.12   | 23.00   |
|                       |            | 8       | 7         | 21.94                | 21.95   | 21.91   | 23.00   |
|                       |            | 15      | 0         | 22.11                | 22.13   | 22.13   | 23.00   |
|                       | 16QAM      | 1       | 0         | 22.11                | 22.05   | 22.02   | 23.00   |
|                       |            | 1       | 7         | 22.12                | 22.06   | 22.02   | 23.00   |
|                       |            | 1       | 14        | 21.88                | 21.90   | 21.82   | 23.00   |
|                       |            | 8       | 0         | 21.02                | 21.10   | 21.16   | 22.00   |

|           |            | 8       | 4         | 21.05   | 21.05   | 20.99   | 22.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 21.12   | 21.11   | 21.08   | 22.00   |
|           |            | 15      | 0         | 21.00   | 21.04   | 21.05   | 22.00   |
|           |            | 1       | 0         | 21.02   | 21.11   | 21.21   | 22.00   |
|           |            | 1       | 7         | 21.12   | 21.09   | 21.15   | 22.00   |
|           | 64QAM      | 1       | 14        | 21.10   | 21.06   | 21.11   | 22.00   |
|           |            | 8       | 0         | 19.99   | 20.03   | 20.04   | 21.00   |
|           |            | 8       | 4         | 20.18   | 20.08   | 20.12   | 21.00   |
|           |            | 8       | 7         | 20.07   | 20.10   | 20.19   | 21.00   |
|           |            | 15      | 0         | 20.13   | 20.22   | 20.24   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.14   | 18.16   | 18.22   | 19.00   |
|           |            | 1       | 7         | 18.04   | 18.12   | 18.03   | 19.00   |
|           |            | 1       | 14        | 18.11   | 18.20   | 18.30   | 19.00   |
|           |            | 8       | 0         | 18.10   | 18.13   | 18.04   | 19.00   |
|           |            | 8       | 4         | 17.92   | 17.98   | 18.03   | 19.00   |
|           |            | 8       | 7         | 17.94   | 18.00   | 17.96   | 19.00   |
|           |            | 15      | 0         | 18.10   | 18.02   | 18.10   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.01   | 23.08   | 23.03   | 24.00   |
|           |            | 1       | 13        | 22.92   | 22.95   | 22.99   | 24.00   |
|           |            | 1       | 24        | 23.08   | 23.05   | 23.15   | 24.00   |
|           |            | 12      | 0         | 22.07   | 22.06   | 22.08   | 23.00   |
|           |            | 12      | 6         | 22.20   | 22.12   | 22.06   | 23.00   |
|           |            | 12      | 13        | 22.03   | 21.99   | 22.04   | 23.00   |
|           | 16QAM      | 25      | 0         | 22.04   | 22.10   | 22.20   | 23.00   |
|           |            | 1       | 0         | 22.24   | 22.15   | 22.23   | 23.00   |
|           |            | 1       | 13        | 22.02   | 22.00   | 22.07   | 23.00   |
|           |            | 1       | 24        | 21.92   | 21.93   | 22.01   | 23.00   |
|           |            | 12      | 0         | 21.04   | 21.14   | 21.22   | 22.00   |
|           |            | 12      | 6         | 21.06   | 21.11   | 21.08   | 22.00   |
|           | 64QAM      | 12      | 13        | 21.12   | 21.03   | 21.03   | 22.00   |
|           |            | 25      | 0         | 21.05   | 21.01   | 21.00   | 22.00   |
|           |            | 1       | 0         | 21.00   | 21.08   | 21.16   | 22.00   |
|           |            | 1       | 13        | 21.00   | 20.99   | 21.08   | 22.00   |
|           |            | 1       | 24        | 21.10   | 21.00   | 21.00   | 22.00   |
|           |            | 12      | 0         | 20.09   | 20.10   | 20.15   | 21.00   |
|           | 256QAM     | 12      | 6         | 20.24   | 20.15   | 20.09   | 21.00   |
|           |            | 12      | 13        | 20.24   | 20.19   | 20.12   | 21.00   |
|           |            | 25      | 0         | 20.08   | 20.13   | 20.09   | 21.00   |
|           |            | 1       | 0         | 18.11   | 18.20   | 18.24   | 19.00   |
|           |            | 1       | 13        | 18.13   | 18.13   | 18.23   | 19.00   |
|           |            | 1       | 24        | 18.14   | 18.11   | 18.14   | 19.00   |
|           |            | 12      | 0         | 18.22   | 18.13   | 18.06   | 19.00   |
|           |            | 12      | 6         | 18.00   | 18.05   | 17.96   | 19.00   |
|           |            | 12      | 13        | 17.97   | 18.06   | 18.09   | 19.00   |
|           |            | 25      | 0         | 18.05   | 18.01   | 18.05   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 20525   | /       |         |
| 10MHz     | QPSK       | 1       | 0         | /       | 23.06   | /       | 24.00   |
|           |            | 1       | 25        | /       | 23.04   | /       | 24.00   |
|           |            | 1       | 49        | /       | 23.02   | /       | 24.00   |
|           |            | 25      | 0         | /       | 22.03   | /       | 23.00   |
|           |            | 25      | 13        | /       | 22.12   | /       | 23.00   |
|           |            | 25      | 25        | /       | 22.02   | /       | 23.00   |
|           | 16QAM      | 50      | 0         | /       | 22.00   | /       | 23.00   |
|           |            | 1       | 0         | /       | 22.10   | /       | 23.00   |
|           |            | 1       | 25        | /       | 22.02   | /       | 23.00   |
|           |            | 1       | 49        | /       | 21.98   | /       | 23.00   |
|           |            | 25      | 0         | /       | 21.07   | /       | 22.00   |
|           |            | 25      | 13        | /       | 21.08   | /       | 22.00   |
|           | 64QAM      | 25      | 25        | /       | 21.09   | /       | 22.00   |
|           |            | 50      | 0         | /       | 21.09   | /       | 22.00   |
|           |            | 1       | 0         | /       | 21.08   | /       | 22.00   |
|           |            | 1       | 25        | /       | 21.01   | /       | 22.00   |
|           |            | 1       | 49        | /       | 21.06   | /       | 22.00   |
|           |            | 25      | 0         | /       | 20.14   | /       | 21.00   |
|           |            | 25      | 13        | /       | 20.14   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.10   | /       | 21.00   |
|           |            | 50      | 0         | /       | 20.07   | /       | 21.00   |

|  |        |    |    |   |       |   |       |
|--|--------|----|----|---|-------|---|-------|
|  | 256QAM | 1  | 0  | / | 18.15 | / | 19.00 |
|  |        | 1  | 25 | / | 18.05 | / | 19.00 |
|  |        | 1  | 49 | / | 18.09 | / | 19.00 |
|  |        | 25 | 0  | / | 18.06 | / | 19.00 |
|  |        | 25 | 13 | / | 18.08 | / | 19.00 |
|  |        | 25 | 25 | / | 18.05 | / | 19.00 |
|  |        | 50 | 0  | / | 18.10 | / | 19.00 |

| LTE Band 5 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                             |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                      | QPSK       | 1       | 0         | 20.04                | 20.12   | 19.94   | 21.00   |
|                             |            | 1       | 2         | 19.87                | 19.90   | 19.96   | 21.00   |
|                             |            | 1       | 5         | 19.83                | 19.82   | 19.83   | 21.00   |
|                             |            | 3       | 0         | 19.86                | 19.86   | 19.82   | 21.00   |
|                             |            | 3       | 2         | 19.81                | 20.01   | 20.01   | 21.00   |
|                             |            | 3       | 3         | 20.02                | 19.99   | 19.96   | 21.00   |
|                             | 16QAM      | 6       | 0         | 19.90                | 20.08   | 20.06   | 21.00   |
|                             |            | 1       | 0         | 19.83                | 19.87   | 19.83   | 21.00   |
|                             |            | 1       | 2         | 20.00                | 20.07   | 19.90   | 21.00   |
|                             |            | 1       | 5         | 19.97                | 20.02   | 19.77   | 21.00   |
|                             |            | 3       | 0         | 19.88                | 20.01   | 19.88   | 21.00   |
|                             |            | 3       | 2         | 19.87                | 19.92   | 19.84   | 21.00   |
|                             | 64QAM      | 3       | 3         | 19.88                | 19.91   | 19.90   | 21.00   |
|                             |            | 6       | 0         | 19.94                | 19.89   | 19.75   | 21.00   |
|                             |            | 1       | 0         | 19.77                | 19.85   | 19.81   | 21.00   |
|                             |            | 1       | 2         | 19.96                | 19.90   | 19.78   | 21.00   |
|                             |            | 1       | 5         | 19.83                | 19.92   | 19.88   | 21.00   |
|                             |            | 3       | 0         | 19.92                | 19.93   | 19.83   | 21.00   |
|                             | 256QAM     | 3       | 2         | 19.89                | 19.99   | 19.78   | 21.00   |
|                             |            | 3       | 3         | 19.92                | 20.08   | 20.01   | 21.00   |
|                             |            | 6       | 0         | 19.87                | 20.10   | 19.97   | 21.00   |
|                             |            | 1       | 0         | 17.99                | 18.05   | 17.93   | 19.00   |
|                             |            | 1       | 2         | 17.92                | 17.98   | 17.96   | 19.00   |
|                             |            | 1       | 5         | 18.00                | 17.98   | 17.83   | 19.00   |
| 3MHz                        | QPSK       | 3       | 0         | 17.80                | 17.99   | 17.90   | 19.00   |
|                             |            | 3       | 2         | 17.89                | 18.01   | 17.94   | 19.00   |
|                             |            | 3       | 3         | 17.97                | 18.01   | 17.88   | 19.00   |
|                             |            | 6       | 0         | 18.09                | 17.97   | 17.99   | 19.00   |
|                             | 16QAM      | 1       | 0         | 19.89                | 19.99   | 19.87   | 21.00   |
|                             |            | 1       | 7         | 19.97                | 20.00   | 19.96   | 21.00   |
|                             |            | 1       | 14        | 19.87                | 20.00   | 19.87   | 21.00   |
|                             |            | 8       | 0         | 19.83                | 20.09   | 19.97   | 21.00   |
|                             |            | 8       | 4         | 19.84                | 19.95   | 19.80   | 21.00   |
|                             |            | 8       | 7         | 19.95                | 20.02   | 20.01   | 21.00   |
|                             | 64QAM      | 15      | 0         | 19.85                | 19.89   | 19.79   | 21.00   |
|                             |            | 1       | 0         | 19.69                | 19.98   | 19.74   | 21.00   |
|                             |            | 1       | 7         | 19.89                | 20.00   | 19.88   | 21.00   |
|                             |            | 1       | 14        | 19.87                | 19.92   | 19.79   | 21.00   |
|                             |            | 8       | 0         | 19.86                | 19.99   | 19.92   | 21.00   |
|                             |            | 8       | 4         | 19.88                | 20.02   | 19.84   | 21.00   |
|                             | 256QAM     | 8       | 7         | 19.95                | 20.03   | 20.07   | 21.00   |
|                             |            | 15      | 0         | 19.96                | 19.99   | 19.99   | 21.00   |
|                             |            | 1       | 0         | 17.93                | 18.07   | 17.97   | 19.00   |
|                             |            | 1       | 7         | 17.91                | 17.95   | 17.84   | 19.00   |
|                             |            | 1       | 14        | 18.00                | 17.97   | 17.82   | 19.00   |
|                             |            | 8       | 0         | 17.83                | 17.96   | 17.90   | 19.00   |
|                             | 256QAM     | 8       | 4         | 17.99                | 18.07   | 17.84   | 19.00   |
|                             |            | 8       | 7         | 17.97                | 17.94   | 17.80   | 19.00   |

| Bandwidth | Modulation | 15      | 0         | 18.01   | 17.96   | 17.90   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.10   | 20.08   | 19.99   | 21.00   |
|           |            | 1       | 13        | 19.84   | 19.92   | 20.00   | 21.00   |
|           |            | 1       | 24        | 19.81   | 19.86   | 19.88   | 21.00   |
|           |            | 12      | 0         | 19.78   | 19.95   | 19.89   | 21.00   |
|           |            | 12      | 6         | 19.80   | 19.97   | 19.94   | 21.00   |
|           |            | 12      | 13        | 19.99   | 19.99   | 19.95   | 21.00   |
|           |            | 25      | 0         | 19.94   | 20.07   | 20.07   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.89   | 19.91   | 19.81   | 21.00   |
|           |            | 1       | 13        | 20.09   | 19.98   | 19.88   | 21.00   |
|           |            | 1       | 24        | 19.89   | 19.96   | 19.88   | 21.00   |
|           |            | 12      | 0         | 19.94   | 20.04   | 19.93   | 21.00   |
|           |            | 12      | 6         | 19.84   | 19.95   | 19.86   | 21.00   |
|           |            | 12      | 13        | 19.93   | 19.96   | 19.99   | 21.00   |
|           |            | 25      | 0         | 19.83   | 19.88   | 19.71   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.73   | 19.92   | 19.70   | 21.00   |
|           |            | 1       | 13        | 19.91   | 19.91   | 19.79   | 21.00   |
|           |            | 1       | 24        | 19.90   | 19.97   | 19.78   | 21.00   |
|           |            | 12      | 0         | 19.93   | 19.93   | 19.90   | 21.00   |
|           |            | 12      | 6         | 19.82   | 19.95   | 19.82   | 21.00   |
|           |            | 12      | 13        | 19.95   | 19.95   | 19.97   | 21.00   |
|           |            | 25      | 0         | 19.87   | 20.06   | 20.05   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.00   | 18.02   | 17.97   | 19.00   |
|           |            | 1       | 13        | 17.85   | 18.00   | 17.96   | 19.00   |
|           |            | 1       | 24        | 17.95   | 18.08   | 17.96   | 19.00   |
|           |            | 12      | 0         | 17.92   | 17.97   | 17.87   | 19.00   |
|           |            | 12      | 6         | 17.98   | 17.98   | 17.84   | 19.00   |
|           |            | 12      | 13        | 17.99   | 17.93   | 17.88   | 19.00   |
|           |            | 25      | 0         | 17.99   | 17.96   | 17.93   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | /       | 20.13   | /       | 21.00   |
|           |            | 1       | 25        | /       | 20.02   | /       | 21.00   |
|           |            | 1       | 49        | /       | 19.97   | /       | 21.00   |
|           |            | 25      | 0         | /       | 20.00   | /       | 21.00   |
|           |            | 25      | 13        | /       | 20.05   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.10   | /       | 21.00   |
|           |            | 50      | 0         | /       | 20.12   | /       | 21.00   |
|           | 16QAM      | 1       | 0         | /       | 20.01   | /       | 21.00   |
|           |            | 1       | 25        | /       | 20.11   | /       | 21.00   |
|           |            | 1       | 49        | /       | 20.03   | /       | 21.00   |
|           |            | 25      | 0         | /       | 20.12   | /       | 21.00   |
|           |            | 25      | 13        | /       | 19.99   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.04   | /       | 21.00   |
|           |            | 50      | 0         | /       | 19.99   | /       | 21.00   |
|           | 64QAM      | 1       | 0         | /       | 19.99   | /       | 21.00   |
|           |            | 1       | 25        | /       | 20.05   | /       | 21.00   |
|           |            | 1       | 49        | /       | 19.99   | /       | 21.00   |
|           |            | 25      | 0         | /       | 20.02   | /       | 21.00   |
|           |            | 25      | 13        | /       | 20.04   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.10   | /       | 21.00   |
|           |            | 50      | 0         | /       | 20.11   | /       | 21.00   |
|           | 256QAM     | 1       | 0         | /       | 18.15   | /       | 19.00   |
|           |            | 1       | 25        | /       | 18.05   | /       | 19.00   |
|           |            | 1       | 49        | /       | 18.09   | /       | 19.00   |
|           |            | 25      | 0         | /       | 18.06   | /       | 19.00   |
|           |            | 25      | 13        | /       | 18.08   | /       | 19.00   |
|           |            | 25      | 25        | /       | 18.05   | /       | 19.00   |
|           |            | 50      | 0         | /       | 18.10   | /       | 19.00   |

| LTE FDD Band 12 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | 23017                | 23095   | 23173   |         |
| 1.4MHz                     | QPSK       | 1       | 0         | 23.10                | 23.04   | 23.13   | 24.00   |
|                            |            | 1       | 2         | 23.07                | 23.01   | 23.00   | 24.00   |
|                            |            | 1       | 5         | 23.20                | 23.13   | 23.23   | 24.00   |

|           |            | 3       | 0         | 23.05   | 23.14   | 23.15   | 24.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 2         | 23.30   | 23.20   | 23.18   | 24.00   |
|           |            | 3       | 3         | 23.22   | 23.25   | 23.35   | 24.00   |
|           |            | 6       | 0         | 22.13   | 22.07   | 22.01   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.45   | 22.42   | 22.36   | 23.00   |
|           |            | 1       | 2         | 22.05   | 22.10   | 22.14   | 23.00   |
|           |            | 1       | 5         | 22.26   | 22.26   | 22.22   | 23.00   |
|           |            | 3       | 0         | 22.19   | 22.15   | 22.23   | 23.00   |
|           |            | 3       | 2         | 22.11   | 22.15   | 22.17   | 23.00   |
|           |            | 3       | 3         | 22.23   | 22.18   | 22.09   | 23.00   |
|           |            | 6       | 0         | 21.25   | 21.16   | 21.11   | 22.00   |
|           |            | 1       | 0         | 21.24   | 21.20   | 21.27   | 22.00   |
|           | 64QAM      | 1       | 2         | 21.47   | 21.41   | 21.49   | 22.00   |
|           |            | 1       | 5         | 21.17   | 21.17   | 21.13   | 22.00   |
|           |            | 3       | 0         | 21.08   | 21.03   | 21.10   | 22.00   |
|           |            | 3       | 2         | 21.14   | 21.14   | 21.15   | 22.00   |
|           |            | 3       | 3         | 21.16   | 21.22   | 21.26   | 22.00   |
|           |            | 6       | 0         | 20.32   | 20.25   | 20.24   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.91   | 17.99   | 17.97   | 19.00   |
|           |            | 1       | 2         | 18.23   | 18.24   | 18.32   | 19.00   |
|           |            | 1       | 5         | 17.84   | 17.83   | 17.82   | 19.00   |
|           |            | 3       | 0         | 18.46   | 18.45   | 18.44   | 19.00   |
|           |            | 3       | 2         | 18.09   | 18.17   | 18.11   | 19.00   |
|           |            | 3       | 3         | 18.02   | 18.06   | 18.08   | 19.00   |
|           |            | 6       | 0         | 18.06   | 18.11   | 18.20   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23025   | 23095   | 23165   |         |
| 3MHz      | QPSK       | 1       | 0         | 23.18   | 23.11   | 23.05   | 24.00   |
|           |            | 1       | 7         | 23.12   | 23.02   | 22.92   | 24.00   |
|           |            | 1       | 14        | 23.07   | 23.09   | 23.01   | 24.00   |
|           |            | 8       | 0         | 22.26   | 22.19   | 22.25   | 23.00   |
|           |            | 8       | 4         | 22.18   | 22.15   | 22.23   | 23.00   |
|           |            | 8       | 7         | 22.39   | 22.32   | 22.40   | 23.00   |
|           | 16QAM      | 15      | 0         | 22.07   | 22.01   | 22.03   | 23.00   |
|           |            | 1       | 0         | 22.26   | 22.36   | 22.30   | 23.00   |
|           |            | 1       | 7         | 22.03   | 22.09   | 22.07   | 23.00   |
|           |            | 1       | 14        | 22.23   | 22.16   | 22.16   | 23.00   |
|           |            | 8       | 0         | 21.11   | 21.12   | 21.22   | 22.00   |
|           |            | 8       | 4         | 21.21   | 21.11   | 21.19   | 22.00   |
|           | 64QAM      | 8       | 7         | 21.12   | 21.15   | 21.15   | 22.00   |
|           |            | 15      | 0         | 21.09   | 21.10   | 21.09   | 22.00   |
|           |            | 1       | 0         | 21.14   | 21.19   | 21.14   | 22.00   |
|           |            | 1       | 7         | 21.36   | 21.33   | 21.24   | 22.00   |
|           |            | 1       | 14        | 21.26   | 21.20   | 21.27   | 22.00   |
|           |            | 8       | 0         | 19.94   | 20.02   | 19.95   | 21.00   |
|           | 256QAM     | 8       | 4         | 20.07   | 20.04   | 20.12   | 21.00   |
|           |            | 8       | 7         | 20.31   | 20.23   | 20.25   | 21.00   |
|           |            | 15      | 0         | 20.25   | 20.17   | 20.22   | 21.00   |
|           |            | 1       | 0         | 17.97   | 18.06   | 18.09   | 19.00   |
|           |            | 1       | 7         | 18.15   | 18.25   | 18.35   | 19.00   |
|           |            | 1       | 14        | 17.96   | 17.88   | 17.81   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 23035   | 23095   | 23155   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.10   | 23.06   | 23.07   | 24.00   |
|           |            | 1       | 13        | 23.13   | 23.05   | 23.08   | 24.00   |
|           |            | 1       | 24        | 23.08   | 23.18   | 23.17   | 24.00   |
|           |            | 12      | 0         | 22.14   | 22.24   | 22.22   | 23.00   |
|           |            | 12      | 6         | 22.24   | 22.21   | 22.11   | 23.00   |
|           |            | 12      | 13        | 22.21   | 22.24   | 22.18   | 23.00   |
|           | 16QAM      | 25      | 0         | 21.98   | 22.07   | 22.09   | 23.00   |
|           |            | 1       | 0         | 22.21   | 22.26   | 22.24   | 23.00   |
|           |            | 1       | 13        | 22.21   | 22.13   | 22.04   | 23.00   |
|           |            | 1       | 24        | 22.20   | 22.17   | 22.24   | 23.00   |
|           |            | 12      | 0         | 21.22   | 21.22   | 21.24   | 22.00   |
|           |            | 12      | 6         | 21.26   | 21.20   | 21.22   | 22.00   |
|           |            | 12      | 13        | 21.18   | 21.10   | 21.20   | 22.00   |

|           | 64QAM      | 25      | 0         | 21.14   | 21.20   | 21.15   | 22.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 21.14   | 21.13   | 21.19   | 22.00   |
|           |            | 1       | 13        | 21.22   | 21.25   | 21.25   | 22.00   |
|           |            | 1       | 24        | 21.24   | 21.20   | 21.13   | 22.00   |
|           |            | 12      | 0         | 20.14   | 20.11   | 20.18   | 21.00   |
|           |            | 12      | 6         | 20.00   | 20.10   | 20.07   | 21.00   |
|           |            | 12      | 13        | 20.14   | 20.19   | 20.22   | 21.00   |
|           | 256QAM     | 25      | 0         | 20.11   | 20.14   | 20.06   | 21.00   |
|           |            | 1       | 0         | 18.10   | 18.07   | 18.08   | 19.00   |
|           |            | 1       | 13        | 18.22   | 18.20   | 18.10   | 19.00   |
|           |            | 1       | 24        | 17.91   | 17.97   | 17.96   | 19.00   |
|           |            | 12      | 0         | 18.34   | 18.32   | 18.23   | 19.00   |
|           |            | 12      | 6         | 18.25   | 18.16   | 18.20   | 19.00   |
|           |            | 12      | 13        | 18.07   | 18.17   | 18.13   | 19.00   |
|           |            | 25      | 0         | 18.11   | 18.12   | 18.19   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | /       | 23095   | /       | 24.00   |
|           |            | 1       | 25        | /       | 23.09   | /       | 24.00   |
|           |            | 1       | 49        | /       | 23.08   | /       | 24.00   |
|           |            | 25      | 0         | /       | 22.17   | /       | 23.00   |
|           |            | 25      | 13        | /       | 22.11   | /       | 23.00   |
|           |            | 25      | 25        | /       | 22.15   | /       | 23.00   |
|           |            | 50      | 0         | /       | 22.17   | /       | 23.00   |
|           | 16QAM      | 1       | 0         | /       | 22.16   | /       | 23.00   |
|           |            | 1       | 25        | /       | 22.15   | /       | 23.00   |
|           |            | 1       | 49        | /       | 22.17   | /       | 23.00   |
|           |            | 25      | 0         | /       | 21.15   | /       | 22.00   |
|           |            | 25      | 13        | /       | 21.20   | /       | 22.00   |
|           |            | 25      | 25        | /       | 21.15   | /       | 22.00   |
|           |            | 50      | 0         | /       | 21.14   | /       | 22.00   |
|           | 64QAM      | 1       | 0         | /       | 21.16   | /       | 22.00   |
|           |            | 1       | 25        | /       | 21.19   | /       | 22.00   |
|           |            | 1       | 49        | /       | 21.13   | /       | 22.00   |
|           |            | 25      | 0         | /       | 20.13   | /       | 21.00   |
|           |            | 25      | 13        | /       | 20.16   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.16   | /       | 21.00   |
|           |            | 50      | 0         | /       | 20.12   | /       | 21.00   |
|           | 256QAM     | 1       | 0         | /       | 18.12   | /       | 19.00   |
|           |            | 1       | 25        | /       | 18.15   | /       | 19.00   |
|           |            | 1       | 49        | /       | 18.02   | /       | 19.00   |
|           |            | 25      | 0         | /       | 18.26   | /       | 19.00   |
|           |            | 25      | 13        | /       | 18.08   | /       | 19.00   |
|           |            | 25      | 25        | /       | 18.09   | /       | 19.00   |
|           |            | 50      | 0         | /       | 18.11   | /       | 19.00   |

| LTE FDD Band 13 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 5MHz                       | QPSK       | 1       | 0         | /                    | 23230   | /       | 24.00   |
|                            |            | 1       | 13        | /                    | 22.99   | /       | 24.00   |
|                            |            | 1       | 24        | /                    | 23.00   | /       | 24.00   |
|                            |            | 12      | 0         | /                    | 22.97   | /       | 24.00   |
|                            |            | 12      | 6         | /                    | 22.14   | /       | 23.00   |
|                            |            | 12      | 13        | /                    | 22.07   | /       | 23.00   |
|                            |            | 25      | 0         | /                    | 22.11   | /       | 23.00   |
|                            | 16QAM      | 1       | 0         | /                    | 22.09   | /       | 23.00   |
|                            |            | 1       | 13        | /                    | 21.95   | /       | 23.00   |
|                            |            | 1       | 24        | /                    | 22.03   | /       | 23.00   |
|                            |            | 12      | 0         | /                    | 22.09   | /       | 23.00   |
|                            |            | 12      | 6         | /                    | 21.14   | /       | 22.00   |
|                            |            | 12      | 13        | /                    | 21.00   | /       | 22.00   |
|                            |            | 25      | 0         | /                    | 21.17   | /       | 22.00   |
|                            | 64QAM      | 1       | 0         | /                    | 21.19   | /       | 22.00   |
|                            |            | 1       | 13        | /                    | 21.16   | /       | 22.00   |
|                            |            | 1       | 24        | /                    | 21.00   | /       | 22.00   |
|                            |            | 12      | 0         | /                    | 20.96   | /       | 22.00   |
|                            |            | 12      | 6         | /                    | 20.30   | /       | 21.00   |
|                            |            | 12      | 13        | /                    | 20.22   | /       | 21.00   |

|           | 256QAM     | 12      | 13        | /       | 20.14   | /       | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | /       | 20.07   | /       | 21.00   |
|           |            | 1       | 0         | /       | 18.13   | /       | 19.00   |
|           |            | 1       | 13        | /       | 18.02   | /       | 19.00   |
|           |            | 1       | 24        | /       | 18.24   | /       | 19.00   |
|           |            | 12      | 0         | /       | 18.05   | /       | 19.00   |
|           |            | 12      | 6         | /       | 18.00   | /       | 19.00   |
|           |            | 12      | 13        | /       | 17.97   | /       | 19.00   |
|           |            | 25      | 0         | /       | 18.02   | /       | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | /       | 23230   | /       | 24.00   |
|           |            | 1       | 25        | /       | 23.05   | /       | 24.00   |
|           |            | 1       | 49        | /       | 23.01   | /       | 24.00   |
|           |            | 25      | 0         | /       | 23.03   | /       | 24.00   |
|           |            | 25      | 13        | /       | 22.12   | /       | 23.00   |
|           |            | 25      | 25        | /       | 22      | /       | 23.00   |
|           |            | 50      | 0         | /       | 22.11   | /       | 23.00   |
|           | 16QAM      | 1       | 0         | /       | 22.1    | /       | 23.00   |
|           |            | 1       | 25        | /       | 22.03   | /       | 23.00   |
|           |            | 1       | 49        | /       | 22.04   | /       | 23.00   |
|           |            | 25      | 0         | /       | 22.03   | /       | 23.00   |
|           |            | 25      | 13        | /       | 21.13   | /       | 22.00   |
|           |            | 25      | 25        | /       | 21.02   | /       | 22.00   |
|           |            | 50      | 0         | /       | 21.12   | /       | 22.00   |
|           | 64QAM      | 1       | 0         | /       | 21.1    | /       | 22.00   |
|           |            | 1       | 25        | /       | 21.08   | /       | 22.00   |
|           |            | 1       | 49        | /       | 21.04   | /       | 22.00   |
|           |            | 25      | 0         | /       | 21.05   | /       | 22.00   |
|           |            | 25      | 13        | /       | 20.20   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.12   | /       | 21.00   |
|           |            | 50      | 0         | /       | 20.09   | /       | 21.00   |
|           | 256QAM     | 1       | 0         | /       | 20.14   | /       | 21.00   |
|           |            | 1       | 25        | /       | 18.04   | /       | 19.00   |
|           |            | 1       | 49        | /       | 18.06   | /       | 19.00   |
|           |            | 25      | 0         | /       | 18.15   | /       | 19.00   |
|           |            | 25      | 13        | /       | 18.06   | /       | 19.00   |
|           |            | 25      | 25        | /       | 18.03   | /       | 19.00   |
|           |            | 50      | 0         | /       | 18.04   | /       | 19.00   |

| LTE FDD Band 13 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 5MHz                             | QPSK       | 1       | 0         | /                    | 23230   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 20.07   | /       | 21.00   |
|                                  |            | 1       | 24        | /                    | 19.97   | /       | 21.00   |
|                                  |            | 12      | 0         | /                    | 19.85   | /       | 21.00   |
|                                  |            | 12      | 6         | /                    | 19.94   | /       | 21.00   |
|                                  |            | 12      | 13        | /                    | 19.86   | /       | 21.00   |
|                                  |            | 25      | 0         | /                    | 19.95   | /       | 21.00   |
|                                  | 16QAM      | 1       | 0         | /                    | 19.88   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 19.90   | /       | 21.00   |
|                                  |            | 1       | 24        | /                    | 19.96   | /       | 21.00   |
|                                  |            | 12      | 0         | /                    | 20.00   | /       | 21.00   |
|                                  |            | 12      | 6         | /                    | 20.00   | /       | 21.00   |
|                                  |            | 12      | 13        | /                    | 19.96   | /       | 21.00   |
|                                  |            | 25      | 0         | /                    | 20.05   | /       | 21.00   |
|                                  | 64QAM      | 1       | 0         | /                    | 19.84   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 19.93   | /       | 21.00   |
|                                  |            | 1       | 24        | /                    | 19.96   | /       | 21.00   |
|                                  |            | 12      | 0         | /                    | 19.83   | /       | 21.00   |
|                                  |            | 12      | 6         | /                    | 19.95   | /       | 21.00   |
|                                  |            | 12      | 13        | /                    | 19.92   | /       | 21.00   |
|                                  |            | 25      | 0         | /                    | 19.94   | /       | 21.00   |
|                                  | 256QAM     | 1       | 0         | /                    | 19.89   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 17.97   | /       | 19.00   |
|                                  |            | 1       | 24        | /                    | 18.05   | /       | 19.00   |
|                                  |            | 12      | 0         | /                    | 18.12   | /       | 19.00   |
|                                  |            | 12      | 6         | /                    | 18.03   | /       | 19.00   |

|           |            | 12      | 6         | /       | 17.99   | /       | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | /       | 18.02   | /       | 19.00   |
|           |            | 25      | 0         | /       | 18.01   | /       | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 23230   | /       |         |
| 10MHz     | QPSK       | 1       | 0         | /       | 20.15   | /       | 21.00   |
|           |            | 1       | 25        | /       | 20.01   | /       | 21.00   |
|           |            | 1       | 49        | /       | 19.96   | /       | 21.00   |
|           |            | 25      | 0         | /       | 20.01   | /       | 21.00   |
|           |            | 25      | 13        | /       | 19.96   | /       | 21.00   |
|           |            | 25      | 25        | /       | 19.99   | /       | 21.00   |
|           |            | 50      | 0         | /       | 20      | /       | 21.00   |
|           | 16QAM      | 1       | 0         | /       | 20.03   | /       | 21.00   |
|           |            | 1       | 25        | /       | 20.06   | /       | 21.00   |
|           |            | 1       | 49        | /       | 20.04   | /       | 21.00   |
|           |            | 25      | 0         | /       | 20.05   | /       | 21.00   |
|           |            | 25      | 13        | /       | 20.03   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.07   | /       | 21.00   |
|           | 64QAM      | 50      | 0         | /       | 19.97   | /       | 21.00   |
|           |            | 1       | 0         | /       | 20.03   | /       | 21.00   |
|           |            | 1       | 25        | /       | 20.08   | /       | 21.00   |
|           |            | 1       | 49        | /       | 19.96   | /       | 21.00   |
|           |            | 25      | 0         | /       | 20.00   | /       | 21.00   |
|           |            | 25      | 13        | /       | 20.06   | /       | 21.00   |
|           |            | 25      | 25        | /       | 20.05   | /       | 21.00   |
|           | 256QAM     | 50      | 0         | /       | 19.99   | /       | 21.00   |
|           |            | 1       | 0         | /       | 18.04   | /       | 19.00   |
|           |            | 1       | 25        | /       | 18.06   | /       | 19.00   |
|           |            | 1       | 49        | /       | 18.15   | /       | 19.00   |
|           |            | 25      | 0         | /       | 18.06   | /       | 19.00   |
|           |            | 25      | 13        | /       | 18.03   | /       | 19.00   |
|           |            | 25      | 25        | /       | 18.04   | /       | 19.00   |
|           |            | 50      | 0         | /       | 18.04   | /       | 19.00   |

| LTE FDD Band 14 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | /                    | 23330   | /       |         |
| 5MHz                       | QPSK       | 1       | 0         | /                    | 23.03   | /       | 24.00   |
|                            |            | 1       | 13        | /                    | 22.94   | /       | 24.00   |
|                            |            | 1       | 24        | /                    | 22.93   | /       | 24.00   |
|                            |            | 12      | 0         | /                    | 22.11   | /       | 23.00   |
|                            |            | 12      | 6         | /                    | 22.10   | /       | 23.00   |
|                            |            | 12      | 13        | /                    | 22.02   | /       | 23.00   |
|                            |            | 25      | 0         | /                    | 22.16   | /       | 23.00   |
|                            | 16QAM      | 1       | 0         | /                    | 22.11   | /       | 23.00   |
|                            |            | 1       | 13        | /                    | 21.94   | /       | 23.00   |
|                            |            | 1       | 24        | /                    | 21.96   | /       | 23.00   |
|                            |            | 12      | 0         | /                    | 21.19   | /       | 22.00   |
|                            |            | 12      | 6         | /                    | 21.14   | /       | 22.00   |
|                            |            | 12      | 13        | /                    | 21.04   | /       | 22.00   |
|                            | 64QAM      | 25      | 0         | /                    | 20.98   | /       | 22.00   |
|                            |            | 1       | 0         | /                    | 21.08   | /       | 22.00   |
|                            |            | 1       | 13        | /                    | 21.03   | /       | 22.00   |
|                            |            | 1       | 24        | /                    | 21.18   | /       | 22.00   |
|                            |            | 12      | 0         | /                    | 20.18   | /       | 21.00   |
|                            |            | 12      | 6         | /                    | 20.06   | /       | 21.00   |
|                            |            | 12      | 13        | /                    | 20.17   | /       | 21.00   |
|                            | 256QAM     | 25      | 0         | /                    | 20.05   | /       | 21.00   |
|                            |            | 1       | 0         | /                    | 18.04   | /       | 19.00   |
|                            |            | 1       | 13        | /                    | 17.93   | /       | 19.00   |
|                            |            | 1       | 24        | /                    | 18.05   | /       | 19.00   |
|                            |            | 12      | 0         | /                    | 18.10   | /       | 19.00   |
|                            |            | 12      | 6         | /                    | 18.06   | /       | 19.00   |
|                            |            | 12      | 13        | /                    | 18.07   | /       | 19.00   |
|                            |            | 25      | 0         | /                    | 18.13   | /       | 19.00   |
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | /                    | 23330   | /       |         |
| 10MHz                      | QPSK       | 1       | 0         | /                    | 23.34   | /       | 24.00   |

|  |        |    |    |   |       |   |       |
|--|--------|----|----|---|-------|---|-------|
|  |        | 1  | 25 | / | 23    | / | 24.00 |
|  |        | 1  | 49 | / | 23.02 | / | 24.00 |
|  |        | 25 | 0  | / | 22.11 | / | 23.00 |
|  |        | 25 | 13 | / | 22.06 | / | 23.00 |
|  |        | 25 | 25 | / | 22.08 | / | 23.00 |
|  |        | 50 | 0  | / | 22.1  | / | 23.00 |
|  | 16QAM  | 1  | 0  | / | 22.08 | / | 23.00 |
|  |        | 1  | 25 | / | 22    | / | 23.00 |
|  |        | 1  | 49 | / | 22.03 | / | 23.00 |
|  |        | 25 | 0  | / | 21.13 | / | 22.00 |
|  |        | 25 | 13 | / | 21.09 | / | 22.00 |
|  |        | 25 | 25 | / | 21.1  | / | 22.00 |
|  | 64QAM  | 50 | 0  | / | 21.06 | / | 22.00 |
|  |        | 1  | 0  | / | 21.04 | / | 22.00 |
|  |        | 1  | 25 | / | 21.02 | / | 22.00 |
|  |        | 1  | 49 | / | 21.10 | / | 22.00 |
|  |        | 25 | 0  | / | 20.11 | / | 21.00 |
|  |        | 25 | 13 | / | 20.06 | / | 21.00 |
|  | 256QAM | 25 | 25 | / | 20.12 | / | 21.00 |
|  |        | 50 | 0  | / | 20.10 | / | 21.00 |
|  |        | 1  | 0  | / | 18.08 | / | 19.00 |
|  |        | 1  | 25 | / | 17.99 | / | 19.00 |
|  |        | 1  | 49 | / | 18.11 | / | 19.00 |
|  |        | 25 | 0  | / | 18.04 | / | 19.00 |
|  |        | 25 | 13 | / | 18.11 | / | 19.00 |
|  |        | 25 | 25 | / | 18.05 | / | 19.00 |
|  |        | 50 | 0  | / | 18.15 | / | 19.00 |

| LTE FDD Band 14 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | /                    | 23330   | /       |         |
| 5MHz                             | QPSK       | 1       | 0         | /                    | 20.19   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 19.95   | /       | 21.00   |
|                                  |            | 1       | 24        | /                    | 19.97   | /       | 21.00   |
|                                  |            | 12      | 0         | /                    | 20.03   | /       | 21.00   |
|                                  |            | 12      | 6         | /                    | 20.03   | /       | 21.00   |
|                                  |            | 12      | 13        | /                    | 19.98   | /       | 21.00   |
|                                  | 16QAM      | 25      | 0         | /                    | 19.89   | /       | 21.00   |
|                                  |            | 1       | 0         | /                    | 19.91   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 19.91   | /       | 21.00   |
|                                  |            | 1       | 24        | /                    | 19.94   | /       | 21.00   |
|                                  |            | 12      | 0         | /                    | 19.89   | /       | 21.00   |
|                                  |            | 12      | 6         | /                    | 19.83   | /       | 21.00   |
|                                  | 64QAM      | 12      | 13        | /                    | 19.91   | /       | 21.00   |
|                                  |            | 25      | 0         | /                    | 19.91   | /       | 21.00   |
|                                  |            | 1       | 0         | /                    | 19.86   | /       | 21.00   |
|                                  |            | 1       | 13        | /                    | 19.94   | /       | 21.00   |
|                                  |            | 1       | 24        | /                    | 20.00   | /       | 21.00   |
|                                  |            | 12      | 0         | /                    | 20.08   | /       | 21.00   |
|                                  | 256QAM     | 12      | 6         | /                    | 19.89   | /       | 21.00   |
|                                  |            | 12      | 13        | /                    | 19.95   | /       | 21.00   |
|                                  |            | 25      | 0         | /                    | 19.91   | /       | 21.00   |
|                                  |            | 1       | 0         | /                    | 17.98   | /       | 19.00   |
|                                  |            | 1       | 13        | /                    | 17.92   | /       | 19.00   |
|                                  |            | 1       | 24        | /                    | 18.09   | /       | 19.00   |
| Bandwidth                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                  |            |         |           | /                    | 23330   | /       |         |
| 10MHz                            | QPSK       | 1       | 0         | /                    | 20.32   | /       | 21.00   |
|                                  |            | 1       | 25        | /                    | 20      | /       | 21.00   |
|                                  |            | 1       | 49        | /                    | 20.06   | /       | 21.00   |
|                                  |            | 25      | 0         | /                    | 20.04   | /       | 21.00   |
|                                  |            | 25      | 13        | /                    | 20.06   | /       | 21.00   |
|                                  |            | 25      | 25        | /                    | 20.09   | /       | 21.00   |
|                                  |            | 50      | 0         | /                    | 20.03   | /       | 21.00   |

|  |        |    |    |   |       |   |       |
|--|--------|----|----|---|-------|---|-------|
|  | 16QAM  | 1  | 0  | / | 19.98 | / | 21.00 |
|  |        | 1  | 25 | / | 19.98 | / | 21.00 |
|  |        | 1  | 49 | / | 20.07 | / | 21.00 |
|  |        | 25 | 0  | / | 19.98 | / | 21.00 |
|  |        | 25 | 13 | / | 19.97 | / | 21.00 |
|  |        | 25 | 25 | / | 20.02 | / | 21.00 |
|  | 64QAM  | 50 | 0  | / | 20.04 | / | 21.00 |
|  |        | 1  | 0  | / | 20.00 | / | 21.00 |
|  |        | 1  | 25 | / | 20.02 | / | 21.00 |
|  |        | 1  | 49 | / | 20.06 | / | 21.00 |
|  |        | 25 | 0  | / | 20.10 | / | 21.00 |
|  |        | 25 | 13 | / | 19.96 | / | 21.00 |
|  | 256QAM | 25 | 25 | / | 19.98 | / | 21.00 |
|  |        | 50 | 0  | / | 19.98 | / | 21.00 |
|  |        | 1  | 0  | / | 18.08 | / | 19.00 |
|  |        | 1  | 25 | / | 17.99 | / | 19.00 |
|  |        | 1  | 49 | / | 18.11 | / | 19.00 |
|  |        | 25 | 0  | / | 18.04 | / | 19.00 |
|  |        | 25 | 13 | / | 18.11 | / | 19.00 |
|  |        | 25 | 25 | / | 18.05 | / | 19.00 |
|  |        | 50 | 0  | / | 18.15 | / | 19.00 |
|  |        |    |    |   |       |   |       |

| LTE FDD Band 17 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | /                    | 23790   | /       |         |
| 5MHz                       | QPSK       | 1       | 0         | /                    | 23.06   | /       | 24.00   |
|                            |            | 1       | 13        | /                    | 23.03   | /       | 24.00   |
|                            |            | 1       | 24        | /                    | 23.05   | /       | 24.00   |
|                            |            | 12      | 0         | /                    | 22.19   | /       | 23.00   |
|                            |            | 12      | 6         | /                    | 22.11   | /       | 23.00   |
|                            |            | 12      | 13        | /                    | 22.02   | /       | 23.00   |
|                            | 16QAM      | 25      | 0         | /                    | 22.03   | /       | 23.00   |
|                            |            | 1       | 0         | /                    | 22.11   | /       | 23.00   |
|                            |            | 1       | 13        | /                    | 21.95   | /       | 23.00   |
|                            |            | 1       | 24        | /                    | 22.19   | /       | 23.00   |
|                            |            | 12      | 0         | /                    | 21.16   | /       | 22.00   |
|                            |            | 12      | 6         | /                    | 20.99   | /       | 22.00   |
|                            | 64QAM      | 12      | 13        | /                    | 21.05   | /       | 22.00   |
|                            |            | 25      | 0         | /                    | 21.15   | /       | 22.00   |
|                            |            | 1       | 0         | /                    | 21.23   | /       | 22.00   |
|                            |            | 1       | 13        | /                    | 21.14   | /       | 22.00   |
|                            |            | 1       | 24        | /                    | 21.01   | /       | 22.00   |
|                            |            | 12      | 0         | /                    | 20.02   | /       | 21.00   |
|                            | 256QAM     | 12      | 6         | /                    | 20.09   | /       | 21.00   |
|                            |            | 12      | 13        | /                    | 20.19   | /       | 21.00   |
|                            |            | 25      | 0         | /                    | 20.04   | /       | 21.00   |
|                            |            | 1       | 0         | /                    | 18.08   | /       | 19.00   |
|                            |            | 1       | 13        | /                    | 18.24   | /       | 19.00   |
|                            |            | 1       | 24        | /                    | 17.99   | /       | 19.00   |
| 10MHz                      | QPSK       | 12      | 0         | /                    | 18.13   | /       | 19.00   |
|                            |            | 12      | 6         | /                    | 18.19   | /       | 19.00   |
|                            |            | 12      | 13        | /                    | 18.12   | /       | 19.00   |
|                            |            | 25      | 0         | /                    | 18.01   | /       | 19.00   |
|                            | 16QAM      | 1       | 0         | /                    | 23.08   | /       | 24.00   |
|                            |            | 1       | 25        | /                    | 23.06   | /       | 24.00   |
|                            |            | 1       | 49        | /                    | 23.05   | /       | 24.00   |
|                            |            | 25      | 0         | /                    | 22.09   | /       | 23.00   |
|                            |            | 25      | 13        | /                    | 22.03   | /       | 23.00   |
|                            |            | 25      | 25        | /                    | 22.03   | /       | 23.00   |
|                            |            | 50      | 0         | /                    | 22.13   | /       | 23.00   |
|                            |            | 1       | 0         | /                    | 22.13   | /       | 23.00   |
|                            |            | 1       | 25        | /                    | 22.05   | /       | 23.00   |
|                            |            | 1       | 49        | /                    | 22.14   | /       | 23.00   |
|                            |            | 25      | 0         | /                    | 21.11   | /       | 22.00   |
|                            |            | 25      | 13        | /                    | 21.05   | /       | 22.00   |
|                            |            | 25      | 25        | /                    | 21.04   | /       | 22.00   |

|  |        |    |    |   |       |   |       |
|--|--------|----|----|---|-------|---|-------|
|  | 64QAM  | 50 | 0  | / | 21.16 | / | 22.00 |
|  |        | 1  | 0  | / | 21.20 | / | 22.00 |
|  |        | 1  | 25 | / | 21.19 | / | 22.00 |
|  |        | 1  | 49 | / | 21.00 | / | 22.00 |
|  |        | 25 | 0  | / | 20.09 | / | 21.00 |
|  |        | 25 | 13 | / | 19.99 | / | 21.00 |
|  |        | 25 | 25 | / | 20.13 | / | 21.00 |
|  | 256QAM | 50 | 0  | / | 20.06 | / | 21.00 |
|  |        | 1  | 0  | / | 18.13 | / | 19.00 |
|  |        | 1  | 25 | / | 18.15 | / | 19.00 |
|  |        | 1  | 49 | / | 18.03 | / | 19.00 |
|  |        | 25 | 0  | / | 18.17 | / | 19.00 |
|  |        | 25 | 13 | / | 18.11 | / | 19.00 |
|  |        | 25 | 25 | / | 18.13 | / | 19.00 |
|  |        | 50 | 0  | / | 18.11 | / | 19.00 |

| LTE Band 26 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 22.76                | 22.81   | 22.87   | 24.00   |
|                        |            | 1       | 2         | 22.76                | 22.84   | 22.81   | 24.00   |
|                        |            | 1       | 5         | 22.78                | 22.73   | 22.82   | 24.00   |
|                        |            | 3       | 0         | 22.53                | 22.61   | 22.59   | 24.00   |
|                        |            | 3       | 2         | 22.79                | 22.72   | 22.69   | 24.00   |
|                        |            | 3       | 3         | 22.55                | 22.50   | 22.52   | 24.00   |
|                        | 16QAM      | 6       | 0         | 21.64                | 21.72   | 21.65   | 23.00   |
|                        |            | 1       | 0         | 21.57                | 21.54   | 21.50   | 23.00   |
|                        |            | 1       | 2         | 21.75                | 21.65   | 21.67   | 23.00   |
|                        |            | 1       | 5         | 21.47                | 21.54   | 21.64   | 23.00   |
|                        |            | 3       | 0         | 21.86                | 21.83   | 21.91   | 23.00   |
|                        |            | 3       | 2         | 21.62                | 21.57   | 21.52   | 23.00   |
|                        | 64QAM      | 3       | 3         | 21.66                | 21.63   | 21.72   | 23.00   |
|                        |            | 6       | 0         | 20.58                | 20.56   | 20.64   | 22.00   |
|                        |            | 1       | 0         | 20.85                | 20.88   | 20.79   | 22.00   |
|                        |            | 1       | 2         | 20.57                | 20.56   | 20.58   | 22.00   |
|                        |            | 1       | 5         | 20.63                | 20.60   | 20.54   | 22.00   |
|                        |            | 3       | 0         | 20.79                | 20.75   | 20.84   | 22.00   |
|                        | 256QAM     | 3       | 2         | 20.70                | 20.74   | 20.78   | 22.00   |
|                        |            | 3       | 3         | 20.94                | 20.96   | 20.86   | 22.00   |
|                        |            | 6       | 0         | 19.75                | 19.76   | 19.79   | 21.00   |
|                        |            | 1       | 0         | 17.72                | 17.76   | 17.74   | 19.00   |
|                        |            | 1       | 2         | 17.51                | 17.44   | 17.40   | 19.00   |
|                        |            | 1       | 5         | 17.85                | 17.78   | 17.84   | 19.00   |
| 3MHz                   | QPSK       | 3       | 0         | 17.58                | 17.61   | 17.51   | 19.00   |
|                        |            | 3       | 2         | 17.71                | 17.68   | 17.66   | 19.00   |
|                        |            | 3       | 3         | 17.80                | 17.90   | 17.83   | 19.00   |
|                        |            | 6       | 0         | 17.85                | 17.88   | 17.87   | 19.00   |
|                        | 16QAM      | 1       | 0         | 26.705               | 26.865  | 27.025  | 24.00   |
|                        |            | 1       | 7         | 22.78                | 22.71   | 22.66   | 24.00   |
|                        |            | 1       | 14        | 22.83                | 22.75   | 22.66   | 24.00   |
|                        |            | 8       | 0         | 22.73                | 22.75   | 22.84   | 24.00   |
|                        |            | 8       | 4         | 21.63                | 21.62   | 21.66   | 23.00   |
|                        |            | 8       | 7         | 21.80                | 21.81   | 21.71   | 23.00   |
|                        | 64QAM      | 8       | 0         | 21.50                | 21.53   | 21.45   | 23.00   |
|                        |            | 15      | 0         | 21.60                | 21.63   | 21.64   | 23.00   |
|                        |            | 1       | 0         | 21.62                | 21.61   | 21.71   | 23.00   |
|                        |            | 1       | 7         | 21.65                | 21.59   | 21.56   | 23.00   |
|                        |            | 1       | 14        | 21.49                | 21.49   | 21.44   | 23.00   |
|                        |            | 8       | 0         | 20.80                | 20.76   | 20.82   | 22.00   |
|                        | 256QAM     | 8       | 4         | 20.65                | 20.59   | 20.55   | 22.00   |
|                        |            | 8       | 7         | 20.48                | 20.58   | 20.58   | 22.00   |
|                        |            | 15      | 0         | 20.71                | 20.65   | 20.75   | 22.00   |
|                        |            | 1       | 0         | 20.88                | 20.86   | 20.81   | 22.00   |
|                        |            | 1       | 7         | 20.72                | 20.63   | 20.58   | 22.00   |
|                        |            | 1       | 14        | 20.63                | 20.64   | 20.66   | 22.00   |
|                        |            | 8       | 0         | 19.74                | 19.70   | 19.68   | 21.00   |
|                        |            | 8       | 4         | 19.56                | 19.64   | 19.64   | 21.00   |

|           | 256QAM     | 8       | 7         | 19.96   | 19.90   | 19.81   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 19.77   | 19.86   | 19.94   | 21.00   |
|           |            | 1       | 0         | 17.71   | 17.70   | 17.62   | 19.00   |
|           |            | 1       | 7         | 17.39   | 17.49   | 17.58   | 19.00   |
|           |            | 1       | 14        | 17.81   | 17.80   | 17.72   | 19.00   |
|           |            | 8       | 0         | 17.44   | 17.53   | 17.57   | 19.00   |
|           |            | 8       | 4         | 17.76   | 17.70   | 17.69   | 19.00   |
|           |            | 8       | 7         | 17.86   | 17.82   | 17.88   | 19.00   |
|           |            | 15      | 0         | 17.80   | 17.82   | 17.73   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 26715   | 26865   | 27015   | 24.00   |
|           |            | 1       | 13        | 22.77   | 22.74   | 22.71   | 24.00   |
|           |            | 1       | 24        | 22.84   | 22.81   | 22.86   | 24.00   |
|           |            | 12      | 0         | 22.58   | 22.66   | 22.59   | 24.00   |
|           |            | 12      | 6         | 21.76   | 21.68   | 21.76   | 23.00   |
|           |            | 12      | 13        | 21.76   | 21.75   | 21.76   | 23.00   |
|           | 16QAM      | 12      | 13        | 21.57   | 21.49   | 21.41   | 23.00   |
|           |            | 25      | 0         | 21.60   | 21.64   | 21.65   | 23.00   |
|           |            | 1       | 0         | 21.47   | 21.57   | 21.48   | 23.00   |
|           |            | 1       | 13        | 21.72   | 21.66   | 21.68   | 23.00   |
|           |            | 1       | 24        | 21.63   | 21.57   | 21.60   | 23.00   |
|           |            | 12      | 0         | 20.70   | 20.75   | 20.74   | 22.00   |
|           | 64QAM      | 12      | 6         | 20.62   | 20.56   | 20.58   | 22.00   |
|           |            | 12      | 13        | 20.39   | 20.48   | 20.44   | 22.00   |
|           |            | 25      | 0         | 20.72   | 20.64   | 20.64   | 22.00   |
|           |            | 1       | 0         | 20.68   | 20.77   | 20.73   | 22.00   |
|           |            | 1       | 13        | 20.65   | 20.72   | 20.76   | 22.00   |
|           |            | 1       | 24        | 20.69   | 20.62   | 20.56   | 22.00   |
|           | 256QAM     | 12      | 0         | 19.76   | 19.80   | 19.70   | 21.00   |
|           |            | 12      | 6         | 19.63   | 19.70   | 19.74   | 21.00   |
|           |            | 12      | 13        | 19.80   | 19.90   | 19.91   | 21.00   |
|           |            | 25      | 0         | 19.80   | 19.76   | 19.82   | 21.00   |
|           |            | 1       | 0         | 17.87   | 17.79   | 17.75   | 19.00   |
|           |            | 1       | 13        | 17.52   | 17.54   | 17.50   | 19.00   |
| 10MHz     | QPSK       | 1       | 24        | 17.83   | 17.78   | 17.82   | 19.00   |
|           |            | 12      | 0         | 17.51   | 17.53   | 17.61   | 19.00   |
|           |            | 12      | 6         | 17.68   | 17.78   | 17.80   | 19.00   |
|           |            | 12      | 13        | 17.79   | 17.74   | 17.68   | 19.00   |
|           |            | 25      | 0         | 17.77   | 17.80   | 17.76   | 19.00   |
|           |            | 1       | 0         | 22.60   | 22.66   | 22.62   | 24.00   |
|           | 16QAM      | 1       | 25        | 22.74   | 22.71   | 22.75   | 24.00   |
|           |            | 1       | 49        | 22.68   | 22.72   | 22.76   | 24.00   |
|           |            | 25      | 0         | 21.63   | 21.67   | 21.76   | 23.00   |
|           |            | 25      | 13        | 21.69   | 21.69   | 21.79   | 23.00   |
|           |            | 25      | 25        | 21.63   | 21.58   | 21.57   | 23.00   |
|           |            | 50      | 0         | 21.72   | 21.69   | 21.67   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.54   | 21.63   | 21.61   | 23.00   |
|           |            | 1       | 25        | 21.72   | 21.70   | 21.65   | 23.00   |
|           |            | 1       | 49        | 21.69   | 21.66   | 21.58   | 23.00   |
|           |            | 25      | 0         | 20.79   | 20.69   | 20.61   | 22.00   |
|           |            | 25      | 13        | 20.65   | 20.65   | 20.60   | 22.00   |
|           |            | 25      | 25        | 20.55   | 20.58   | 20.63   | 22.00   |
|           | 256QAM     | 50      | 0         | 20.55   | 20.62   | 20.68   | 22.00   |
|           |            | 1       | 0         | 20.73   | 20.70   | 20.79   | 22.00   |
|           |            | 1       | 25        | 20.68   | 20.62   | 20.64   | 22.00   |
|           |            | 1       | 49        | 20.76   | 20.66   | 20.72   | 22.00   |
|           |            | 25      | 0         | 19.76   | 19.81   | 19.90   | 21.00   |
|           |            | 25      | 13        | 19.78   | 19.79   | 19.87   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
|           |            |         |           | 22.60   | 22.66   | 22.62   | 24.00   |
|           |            |         |           | 22.74   | 22.71   | 22.75   | 24.00   |
|           |            |         |           | 22.68   | 22.72   | 22.76   | 24.00   |
|           |            |         |           | 21.63   | 21.67   | 21.76   | 23.00   |
|           |            |         |           | 21.69   | 21.69   | 21.79   | 23.00   |
|           |            |         |           | 21.63   | 21.58   | 21.57   | 23.00   |
|           |            |         |           | 21.72   | 21.69   | 21.67   | 23.00   |
|           |            |         |           | 21.54   | 21.63   | 21.61   | 23.00   |
|           |            |         |           | 21.72   | 21.70   | 21.65   | 23.00   |
|           |            |         |           | 21.69   | 21.66   | 21.58   | 23.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20.79   | 20.69   | 20.61   | 22.00   |
|           |            |         |           | 20.65   | 20.65   | 20.60   | 22.00   |
|           |            |         |           | 20.55   | 20.58   | 20.63   | 22.00   |
|           |            |         |           | 20.55   | 20.62   | 20.68   | 22.00   |
|           |            |         |           | 20.73   | 20.70   | 20.79   | 22.00   |
|           |            |         |           | 20.68   | 20.62   | 20.64   | 22.00   |
|           |            |         |           | 20.76   | 20.66   | 20.72   | 22.00   |
|           |            |         |           | 19.76   | 19.81   | 19.90   | 21.00   |
|           |            |         |           | 19.78   | 19.79   | 19.87   | 21.00   |
|           |            |         |           | 19.89   | 19.81   | 19.85   | 21.00   |
|           |            |         |           | 19.60   | 19.69   | 19.63   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 17.65   | 17.75   | 17.68   | 19.00   |
|           |            |         |           | 17.46   | 17.52   | 17.55   | 19.00   |
|           |            |         |           | 17.79   | 17.78   | 17.79   | 19.00   |
|           |            |         |           | 17.58   | 17.58   | 17.54   | 19.00   |
|           |            |         |           | 17.83   | 17.83   | 17.78   | 19.00   |
|           |            |         |           | 17.70   | 17.67   | 17.62   | 19.00   |
|           |            |         |           | 17.73   | 17.73   | 17.67   | 19.00   |
|           |            |         |           | 17.65   | 17.75   | 17.68   | 19.00   |
|           |            |         |           | 17.46   | 17.52   | 17.55   | 19.00   |
|           |            |         |           | 17.79   | 17.78   | 17.79   | 19.00   |
|           |            |         |           | 17.58   | 17.58   | 17.54   | 19.00   |

|       |        |    |    |   |       |   |       |
|-------|--------|----|----|---|-------|---|-------|
| 15MHz | QPSK   | 1  | 0  | / | 26865 | / |       |
|       |        | 1  | 38 | / | 22.88 | / | 24.00 |
|       |        | 1  | 74 | / | 22.84 | / | 24.00 |
|       |        | 36 | 0  | / | 22.82 | / | 24.00 |
|       |        | 36 | 18 | / | 21.83 | / | 23.00 |
|       |        | 36 | 39 | / | 21.81 | / | 23.00 |
|       |        | 75 | 0  | / | 21.77 | / | 23.00 |
|       | 16QAM  | 1  | 0  | / | 21.85 | / | 23.00 |
|       |        | 1  | 38 | / | 21.80 | / | 23.00 |
|       |        | 1  | 74 | / | 21.91 | / | 23.00 |
|       |        | 36 | 0  | / | 20.86 | / | 22.00 |
|       |        | 36 | 18 | / | 20.88 | / | 22.00 |
|       |        | 36 | 39 | / | 20.73 | / | 22.00 |
|       |        | 75 | 0  | / | 20.86 | / | 22.00 |
|       | 64QAM  | 1  | 0  | / | 20.81 | / | 22.00 |
|       |        | 1  | 38 | / | 20.78 | / | 22.00 |
|       |        | 1  | 74 | / | 20.88 | / | 22.00 |
|       |        | 36 | 0  | / | 19.97 | / | 21.00 |
|       |        | 36 | 18 | / | 19.92 | / | 21.00 |
|       |        | 36 | 39 | / | 19.96 | / | 21.00 |
|       |        | 75 | 0  | / | 19.93 | / | 21.00 |
|       | 256QAM | 1  | 0  | / | 17.92 | / | 19.00 |
|       |        | 1  | 38 | / | 17.79 | / | 19.00 |
|       |        | 1  | 74 | / | 17.92 | / | 19.00 |
|       |        | 36 | 0  | / | 17.80 | / | 19.00 |
|       |        | 36 | 18 | / | 17.94 | / | 19.00 |
|       |        | 36 | 39 | / | 17.87 | / | 19.00 |
|       |        | 75 | 0  | / | 17.95 | / | 19.00 |

| LTE Band 26 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                              |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                       | QPSK       | 1       | 0         | 19.75                | 19.88   | 19.86   | 21.00   |
|                              |            | 1       | 2         | 19.76                | 19.80   | 19.77   | 21.00   |
|                              |            | 1       | 5         | 19.88                | 19.83   | 19.74   | 21.00   |
|                              |            | 3       | 0         | 19.83                | 19.83   | 19.83   | 21.00   |
|                              |            | 3       | 2         | 19.67                | 19.66   | 19.68   | 21.00   |
|                              |            | 3       | 3         | 19.62                | 19.66   | 19.59   | 21.00   |
|                              |            | 6       | 0         | 19.61                | 19.87   | 19.84   | 21.00   |
|                              | 16QAM      | 1       | 0         | 19.63                | 19.77   | 19.66   | 21.00   |
|                              |            | 1       | 2         | 19.77                | 19.67   | 19.73   | 21.00   |
|                              |            | 1       | 5         | 19.78                | 19.76   | 19.74   | 21.00   |
|                              |            | 3       | 0         | 19.68                | 19.72   | 19.67   | 21.00   |
|                              |            | 3       | 2         | 19.67                | 19.78   | 19.87   | 21.00   |
|                              |            | 3       | 3         | 19.76                | 19.67   | 19.63   | 21.00   |
|                              |            | 6       | 0         | 19.75                | 19.67   | 19.66   | 21.00   |
|                              | 64QAM      | 1       | 0         | 19.73                | 19.79   | 19.66   | 21.00   |
|                              |            | 1       | 2         | 19.61                | 19.79   | 19.82   | 21.00   |
|                              |            | 1       | 5         | 19.66                | 19.73   | 19.67   | 21.00   |
|                              |            | 3       | 0         | 19.75                | 19.73   | 19.62   | 21.00   |
|                              |            | 3       | 2         | 19.56                | 19.68   | 19.56   | 21.00   |
|                              |            | 3       | 3         | 19.75                | 19.82   | 19.73   | 21.00   |
|                              |            | 6       | 0         | 19.79                | 19.74   | 19.70   | 21.00   |
|                              | 256QAM     | 1       | 0         | 17.72                | 17.81   | 17.76   | 19.00   |
|                              |            | 1       | 2         | 17.65                | 17.69   | 17.77   | 19.00   |
|                              |            | 1       | 5         | 17.83                | 17.90   | 17.73   | 19.00   |
|                              |            | 3       | 0         | 17.68                | 17.65   | 17.63   | 19.00   |
|                              |            | 3       | 2         | 17.71                | 17.85   | 17.87   | 19.00   |
|                              |            | 3       | 3         | 17.71                | 17.81   | 17.73   | 19.00   |
|                              |            | 6       | 0         | 17.83                | 17.85   | 17.70   | 19.00   |
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                         | QPSK       | 1       | 0         | 26705                | 26865   | 27025   | 21.00   |
|                              |            | 1       | 7         | 19.87                | 19.94   | 19.86   | 21.00   |
|                              |            | 1       | 14        | 19.64                | 19.90   | 19.74   | 21.00   |
|                              |            | 8       | 0         | 19.80                | 19.87   | 19.66   | 21.00   |
|                              |            | 8       | 4         | 19.87                | 19.79   | 19.82   | 21.00   |

|           |            | 8       | 7         | 19.57   | 19.70   | 19.56   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 19.75   | 19.78   | 19.84   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.65   | 19.72   | 19.67   | 21.00   |
|           |            | 1       | 7         | 19.68   | 19.82   | 19.74   | 21.00   |
|           |            | 1       | 14        | 19.76   | 19.82   | 19.75   | 21.00   |
|           |            | 8       | 0         | 19.64   | 19.63   | 19.68   | 21.00   |
|           |            | 8       | 4         | 19.65   | 19.76   | 19.82   | 21.00   |
|           |            | 8       | 7         | 19.71   | 19.79   | 19.58   | 21.00   |
|           |            | 15      | 0         | 19.62   | 19.68   | 19.64   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.71   | 19.76   | 19.67   | 21.00   |
|           |            | 1       | 7         | 19.67   | 19.85   | 19.82   | 21.00   |
|           |            | 1       | 14        | 19.67   | 19.74   | 19.64   | 21.00   |
|           |            | 8       | 0         | 19.73   | 19.81   | 19.61   | 21.00   |
|           |            | 8       | 4         | 19.55   | 19.77   | 19.60   | 21.00   |
|           |            | 8       | 7         | 19.71   | 19.85   | 19.72   | 21.00   |
|           |            | 15      | 0         | 19.72   | 19.81   | 19.61   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.74   | 17.92   | 17.72   | 19.00   |
|           |            | 1       | 7         | 17.61   | 17.72   | 17.70   | 19.00   |
|           |            | 1       | 14        | 17.76   | 17.81   | 17.74   | 19.00   |
|           |            | 8       | 0         | 17.73   | 17.75   | 17.55   | 19.00   |
|           |            | 8       | 4         | 17.73   | 17.89   | 17.82   | 19.00   |
|           |            | 8       | 7         | 17.81   | 17.87   | 17.74   | 19.00   |
|           |            | 15      | 0         | 17.82   | 17.92   | 17.74   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.84   | 19.96   | 19.79   | 21.00   |
|           |            | 1       | 13        | 19.70   | 19.83   | 19.69   | 21.00   |
|           |            | 1       | 24        | 19.82   | 19.77   | 19.61   | 21.00   |
|           |            | 12      | 0         | 19.88   | 19.78   | 19.76   | 21.00   |
|           |            | 12      | 6         | 19.56   | 19.75   | 19.64   | 21.00   |
|           |            | 12      | 13        | 19.54   | 19.75   | 19.58   | 21.00   |
|           |            | 25      | 0         | 19.73   | 19.86   | 19.77   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.61   | 19.76   | 19.66   | 21.00   |
|           |            | 1       | 13        | 19.77   | 19.72   | 19.78   | 21.00   |
|           |            | 1       | 24        | 19.74   | 19.80   | 19.72   | 21.00   |
|           |            | 12      | 0         | 19.68   | 19.68   | 19.58   | 21.00   |
|           |            | 12      | 6         | 19.64   | 19.81   | 19.87   | 21.00   |
|           |            | 12      | 13        | 19.72   | 19.80   | 19.55   | 21.00   |
|           |            | 25      | 0         | 19.64   | 19.76   | 19.63   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.78   | 19.79   | 19.67   | 21.00   |
|           |            | 1       | 13        | 19.70   | 19.85   | 19.82   | 21.00   |
|           |            | 1       | 24        | 19.61   | 19.75   | 19.76   | 21.00   |
|           |            | 12      | 0         | 19.64   | 19.80   | 19.61   | 21.00   |
|           |            | 12      | 6         | 19.57   | 19.74   | 19.64   | 21.00   |
|           |            | 12      | 13        | 19.70   | 19.86   | 19.73   | 21.00   |
|           |            | 25      | 0         | 19.75   | 19.83   | 19.60   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.71   | 17.79   | 17.81   | 19.00   |
|           |            | 1       | 13        | 17.65   | 17.66   | 17.65   | 19.00   |
|           |            | 1       | 24        | 17.74   | 17.88   | 17.85   | 19.00   |
|           |            | 12      | 0         | 17.68   | 17.69   | 17.64   | 19.00   |
|           |            | 12      | 6         | 17.76   | 17.80   | 17.85   | 19.00   |
|           |            | 12      | 13        | 17.75   | 17.84   | 17.65   | 19.00   |
|           |            | 25      | 0         | 17.85   | 17.84   | 17.78   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.75   | 19.83   | 19.75   | 21.00   |
|           |            | 1       | 25        | 19.73   | 19.82   | 19.75   | 21.00   |
|           |            | 1       | 49        | 19.86   | 19.80   | 19.64   | 21.00   |
|           |            | 25      | 0         | 19.78   | 19.79   | 19.78   | 21.00   |
|           |            | 25      | 13        | 19.63   | 19.72   | 19.66   | 21.00   |
|           |            | 25      | 25        | 19.54   | 19.73   | 19.62   | 21.00   |
|           |            | 50      | 0         | 19.68   | 19.79   | 19.79   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.59   | 19.77   | 19.68   | 21.00   |
|           |            | 1       | 25        | 19.69   | 19.76   | 19.74   | 21.00   |
|           |            | 1       | 49        | 19.66   | 19.70   | 19.72   | 21.00   |
|           |            | 25      | 0         | 19.69   | 19.63   | 19.67   | 21.00   |
|           |            | 25      | 13        | 19.72   | 19.87   | 19.75   | 21.00   |
|           |            | 25      | 25        | 19.79   | 19.73   | 19.65   | 21.00   |
|           |            | 50      | 0         | 19.76   | 19.74   | 19.69   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.79   | 19.71   | 19.62   | 21.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 25        | 19.73   | 19.84   | 19.75   | 21.00   |
|           |            | 1       | 49        | 19.57   | 19.70   | 19.66   | 21.00   |
|           |            | 25      | 0         | 19.70   | 19.72   | 19.73   | 21.00   |
|           |            | 25      | 13        | 19.56   | 19.75   | 19.58   | 21.00   |
|           |            | 25      | 25        | 19.76   | 19.89   | 19.81   | 21.00   |
|           |            | 50      | 0         | 19.73   | 19.87   | 19.64   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.80   | 17.79   | 17.70   | 19.00   |
|           |            | 1       | 25        | 17.60   | 17.66   | 17.68   | 19.00   |
|           |            | 1       | 49        | 17.82   | 17.85   | 17.84   | 19.00   |
|           |            | 25      | 0         | 17.67   | 17.76   | 17.55   | 19.00   |
|           |            | 25      | 13        | 17.71   | 17.83   | 17.82   | 19.00   |
|           |            | 25      | 25        | 17.74   | 17.75   | 17.72   | 19.00   |
|           |            | 50      | 0         | 17.89   | 17.84   | 17.77   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | /       | 26865   | /       |         |
| 15MHz     | QPSK       | 1       | 0         | /       | 19.96   | /       | 21.00   |
|           |            | 1       | 38        | /       | 19.90   | /       | 21.00   |
|           |            | 1       | 74        | /       | 19.89   | /       | 21.00   |
|           |            | 36      | 0         | /       | 19.90   | /       | 21.00   |
|           |            | 36      | 18        | /       | 19.78   | /       | 21.00   |
|           |            | 36      | 39        | /       | 19.78   | /       | 21.00   |
|           |            | 75      | 0         | /       | 19.89   | /       | 21.00   |
|           | 16QAM      | 1       | 0         | /       | 19.79   | /       | 21.00   |
|           |            | 1       | 38        | /       | 19.82   | /       | 21.00   |
|           |            | 1       | 74        | /       | 19.85   | /       | 21.00   |
|           |            | 36      | 0         | /       | 19.77   | /       | 21.00   |
|           |            | 36      | 18        | /       | 19.90   | /       | 21.00   |
|           |            | 36      | 39        | /       | 19.81   | /       | 21.00   |
|           |            | 75      | 0         | /       | 19.78   | /       | 21.00   |
|           | 64QAM      | 1       | 0         | /       | 19.80   | /       | 21.00   |
|           |            | 1       | 38        | /       | 19.87   | /       | 21.00   |
|           |            | 1       | 74        | /       | 19.79   | /       | 21.00   |
|           |            | 36      | 0         | /       | 19.81   | /       | 21.00   |
|           |            | 36      | 18        | /       | 19.79   | /       | 21.00   |
|           |            | 36      | 39        | /       | 19.90   | /       | 21.00   |
|           |            | 75      | 0         | /       | 19.88   | /       | 21.00   |
|           | 256QAM     | 1       | 0         | /       | 17.92   | /       | 19.00   |
|           |            | 1       | 38        | /       | 17.79   | /       | 19.00   |
|           |            | 1       | 74        | /       | 17.92   | /       | 19.00   |
|           |            | 36      | 0         | /       | 17.80   | /       | 19.00   |
|           |            | 36      | 18        | /       | 17.94   | /       | 19.00   |
|           |            | 36      | 39        | /       | 17.87   | /       | 19.00   |
|           |            | 75      | 0         | /       | 17.95   | /       | 19.00   |

| LTE Band 25 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 26047                | 26365   | 26683   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 22.65                | 22.94   | 22.93   | 24.00   |
|                        |            | 1       | 2         | 22.52                | 22.87   | 22.97   | 24.00   |
|                        |            | 1       | 5         | 22.56                | 22.88   | 22.85   | 24.00   |
|                        |            | 3       | 0         | 22.73                | 22.94   | 22.80   | 24.00   |
|                        |            | 3       | 2         | 22.77                | 22.70   | 22.92   | 24.00   |
|                        |            | 3       | 3         | 22.61                | 23.02   | 22.86   | 24.00   |
|                        |            | 6       | 0         | 21.57                | 21.69   | 21.71   | 23.00   |
|                        | 16QAM      | 1       | 0         | 21.57                | 21.82   | 21.99   | 23.00   |
|                        |            | 1       | 2         | 21.53                | 21.65   | 21.69   | 23.00   |
|                        |            | 1       | 5         | 21.67                | 21.74   | 22.08   | 23.00   |
|                        |            | 3       | 0         | 21.79                | 21.82   | 21.89   | 23.00   |
|                        |            | 3       | 2         | 21.58                | 21.70   | 22.03   | 23.00   |
|                        |            | 3       | 3         | 21.81                | 21.80   | 21.72   | 23.00   |
|                        |            | 6       | 0         | 20.67                | 20.82   | 21.05   | 22.00   |
|                        | 64QAM      | 1       | 0         | 20.82                | 20.73   | 20.79   | 22.00   |
|                        |            | 1       | 2         | 20.61                | 21.11   | 20.74   | 22.00   |
|                        |            | 1       | 5         | 20.61                | 20.82   | 21.05   | 22.00   |
|                        |            | 3       | 0         | 20.73                | 20.74   | 20.97   | 22.00   |
|                        |            | 3       | 2         | 20.75                | 21.00   | 21.07   | 22.00   |
|                        |            | 3       | 3         | 20.66                | 20.94   | 20.86   | 22.00   |
|                        |            | 6       | 0         | 19.74                | 19.75   | 19.90   | 21.00   |

|           |            | 1       | 0         | 17.40   | 18.23   | 17.89   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 2         | 17.88   | 17.80   | 18.14   | 19.00   |
|           |            | 1       | 5         | 17.57   | 17.98   | 17.71   | 19.00   |
|           |            | 3       | 0         | 17.71   | 18.10   | 17.92   | 19.00   |
|           |            | 3       | 2         | 17.91   | 18.24   | 18.12   | 19.00   |
|           |            | 3       | 3         | 17.63   | 18.04   | 18.18   | 19.00   |
|           |            | 6       | 0         | 17.73   | 18.30   | 17.98   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26055   | 26365   | 26675   |         |
| 3MHz      | QPSK       | 1       | 0         | 22.64   | 22.90   | 22.89   | 24.00   |
|           |            | 1       | 7         | 22.53   | 22.78   | 22.90   | 24.00   |
|           |            | 1       | 14        | 22.48   | 22.98   | 22.89   | 24.00   |
|           |            | 8       | 0         | 21.74   | 21.98   | 21.90   | 23.00   |
|           |            | 8       | 4         | 21.67   | 21.62   | 21.89   | 23.00   |
|           |            | 8       | 7         | 21.51   | 22.07   | 21.76   | 23.00   |
|           | 16QAM      | 15      | 0         | 21.53   | 21.75   | 21.78   | 23.00   |
|           |            | 1       | 0         | 21.61   | 21.91   | 22.00   | 23.00   |
|           |            | 1       | 7         | 21.63   | 21.74   | 21.61   | 23.00   |
|           |            | 1       | 14        | 21.63   | 21.73   | 21.99   | 23.00   |
|           |            | 8       | 0         | 20.83   | 20.87   | 20.87   | 22.00   |
|           |            | 8       | 4         | 20.61   | 20.71   | 21.12   | 22.00   |
|           | 64QAM      | 8       | 7         | 20.83   | 20.79   | 20.68   | 22.00   |
|           |            | 15      | 0         | 20.59   | 20.85   | 21.12   | 22.00   |
|           |            | 1       | 0         | 20.83   | 20.76   | 20.84   | 22.00   |
|           |            | 1       | 7         | 20.63   | 21.10   | 20.72   | 22.00   |
|           |            | 1       | 14        | 20.67   | 20.76   | 21.06   | 22.00   |
|           |            | 8       | 0         | 19.64   | 19.83   | 19.95   | 21.00   |
|           | 256QAM     | 8       | 4         | 19.77   | 20.04   | 19.98   | 21.00   |
|           |            | 8       | 7         | 19.74   | 19.92   | 19.87   | 21.00   |
|           |            | 15      | 0         | 19.66   | 19.74   | 19.98   | 21.00   |
|           |            | 1       | 0         | 17.45   | 18.28   | 17.80   | 19.00   |
|           |            | 1       | 7         | 17.88   | 17.86   | 18.11   | 19.00   |
|           |            | 1       | 14        | 17.63   | 18.07   | 17.81   | 19.00   |
| 5MHz      | QPSK       | 8       | 0         | 17.65   | 18.11   | 17.86   | 19.00   |
|           |            | 8       | 4         | 17.90   | 18.19   | 18.13   | 19.00   |
|           |            | 8       | 7         | 17.62   | 17.96   | 18.08   | 19.00   |
|           |            | 15      | 0         | 17.77   | 18.23   | 18.00   | 19.00   |
|           | 16QAM      | 1       | 0         | 22.56   | 22.84   | 22.88   | 24.00   |
|           |            | 1       | 13        | 22.52   | 22.80   | 22.88   | 24.00   |
|           |            | 1       | 24        | 22.55   | 22.92   | 22.80   | 24.00   |
|           |            | 12      | 0         | 21.71   | 22.06   | 21.95   | 23.00   |
|           |            | 12      | 6         | 21.58   | 21.68   | 21.93   | 23.00   |
|           |            | 12      | 13        | 21.61   | 22.01   | 21.66   | 23.00   |
|           | 64QAM      | 25      | 0         | 21.50   | 21.81   | 21.88   | 23.00   |
|           |            | 1       | 0         | 21.69   | 21.97   | 22.04   | 23.00   |
|           |            | 1       | 13        | 21.56   | 21.79   | 21.71   | 23.00   |
|           |            | 1       | 24        | 21.53   | 21.83   | 21.94   | 23.00   |
|           |            | 12      | 0         | 20.73   | 20.94   | 20.77   | 22.00   |
|           |            | 12      | 6         | 20.71   | 20.78   | 21.13   | 22.00   |
|           | 256QAM     | 12      | 13        | 20.74   | 20.86   | 20.78   | 22.00   |
|           |            | 25      | 0         | 20.66   | 20.84   | 21.09   | 22.00   |
|           |            | 1       | 0         | 20.79   | 20.85   | 20.90   | 22.00   |
|           |            | 1       | 13        | 20.55   | 21.03   | 20.65   | 22.00   |
|           |            | 1       | 24        | 20.57   | 20.84   | 21.02   | 22.00   |
|           |            | 12      | 0         | 19.56   | 19.87   | 19.89   | 21.00   |
| 10MHz     | QPSK       | 12      | 6         | 19.75   | 20.01   | 19.99   | 21.00   |
|           |            | 12      | 13        | 19.74   | 19.88   | 19.96   | 21.00   |
|           |            | 25      | 0         | 19.59   | 19.84   | 19.88   | 21.00   |
|           |            | 1       | 0         | 17.50   | 18.18   | 17.86   | 19.00   |
|           |            | 1       | 13        | 17.84   | 17.91   | 18.04   | 19.00   |
|           |            | 1       | 24        | 17.71   | 18.14   | 17.89   | 19.00   |
|           | 16QAM      | 12      | 0         | 17.73   | 18.08   | 17.87   | 19.00   |
|           |            | 12      | 6         | 17.86   | 18.23   | 18.06   | 19.00   |
|           |            | 12      | 13        | 17.71   | 18.00   | 18.06   | 19.00   |
|           |            | 25      | 0         | 17.75   | 18.31   | 18.00   | 19.00   |
|           | 64QAM      | 1       | 0         | 22.62   | 22.87   | 22.91   | 24.00   |
|           |            | 1       | 13        | 22.52   | 22.80   | 22.88   | 24.00   |
|           |            | 1       | 24        | 22.55   | 22.92   | 22.80   | 24.00   |
|           |            | 12      | 0         | 21.71   | 22.06   | 21.95   | 23.00   |
|           |            | 12      | 6         | 21.58   | 21.68   | 21.93   | 23.00   |
|           |            | 12      | 13        | 21.61   | 22.01   | 21.66   | 23.00   |
|           | 256QAM     | 25      | 0         | 21.50   | 21.81   | 21.88   | 23.00   |
|           |            | 1       | 0         | 21.69   | 21.97   | 22.04   | 23.00   |
|           |            | 1       | 13        | 21.56   | 21.79   | 21.71   | 23.00   |
|           |            | 1       | 24        | 21.53   | 21.83   | 21.94   | 23.00   |
|           |            | 12      | 0         | 20.73   | 20.94   | 20.77   | 22.00   |
|           |            | 12      | 6         | 20.71   | 20.78   | 21.13   | 22.00   |
| 10MHz     | QPSK       | 12      | 13        | 20.74   | 20.86   | 20.78   | 22.00   |
|           |            | 25      | 0         | 20.66   | 20.84   | 21.09   | 22.00   |
|           |            | 1       | 0         | 20.79   | 20.85   | 20.90   | 22.00   |
|           |            | 1       | 13        | 20.55   | 21.03   | 20.65   | 22.00   |
|           |            | 1       | 24        | 20.57   | 20.84   | 21.02   | 22.00   |
|           |            | 12      | 0         | 19.56   | 19.87   | 19.89   | 21.00   |
|           | 16QAM      | 12      | 6         | 19.75   | 20.01   | 19.99   | 21.00   |
|           |            | 12      | 13        | 19.74   | 19.88   | 19.96   | 21.00   |
|           |            | 25      | 0         | 19.59   | 19.84   | 19.88   | 21.00   |
|           |            | 1       | 0         | 17.50   | 18.18   | 17.86   | 19.00   |
|           |            | 1       | 13        | 17.84   | 17.91   | 18.04   | 19.00   |
|           |            | 1       | 24        | 17.71   | 18.14   | 17.89   | 19.00   |
|           | 64QAM      | 12      | 0         | 17.73   | 18.08   | 17.87   | 19.00   |
|           |            | 12      | 6         | 17.86   | 18.23   | 18.06   | 19.00   |
|           |            | 12      | 13        | 17.71   | 18.00   | 18.06   | 19.00   |
|           |            | 25      | 0         | 17.75   | 18.31   | 18.00   | 19.00   |
|           | 256QAM     | 1       | 0         | 22.62   | 22.87   | 22.91   | 24.00   |
|           |            | 1       | 13        | 22.52   | 22.80   | 22.88   | 24.00   |
|           |            | 1       | 24        | 22.55   | 22.92   | 22.80   | 24.00   |
|           |            | 12      | 0         | 21.71   | 22.06   | 21.95   | 23.00   |
|           |            | 12      | 6         | 21.58   | 21.68   | 21.93   | 23.00   |
|           |            | 12      | 13        | 21.61   | 22.01   | 21.66   | 23.00   |
| 10MHz     | QPSK       | 25      | 0         | 21.50   | 21.81   | 21.88   | 23.00   |
|           |            | 1       | 0         | 21.69   | 21.97   | 22.04   | 23.00   |
|           |            | 1       | 13        | 21.56   | 21.79   | 21.71   | 23.00   |
|           |            | 1       | 24        | 21.53   | 21.83   | 21.94   | 23.00   |
|           |            | 12      | 0         | 20.73   | 20.94   | 20.77   | 22.00   |
|           |            | 12      | 6         | 20.71   | 20.78   | 21.13   | 22.00   |
|           | 16QAM      | 12      | 13        | 20.74   | 20.86   | 20.78   | 22.00   |
|           |            | 25      | 0         | 20.66   | 20.84   | 21.09   | 22.00   |
|           |            | 1       | 0         | 20.79   | 20.85   | 20.90   | 22.00   |
|           |            | 1       | 13        | 20.55   | 21.03   | 20.65   | 22.00   |
|           |            | 1       | 24        | 20.57   | 20.84   | 21.02   | 22.00   |
|           |            | 12      | 0         | 19.56   | 19.87   | 19.89   | 21.00   |
|           | 64QAM      | 12      | 6         | 19.75   | 20.01   | 19.99   | 21.00   |
|           |            | 12      | 13        | 19.74   | 19.88   | 19.96   | 21.00   |
|           |            | 25      | 0         | 19.59   | 19.84   | 19.88   | 21.00   |
|           |            | 1       | 0         | 17.50   | 18.18   | 17.86   | 19.00   |
|           |            | 1       | 13        | 17.84   | 17.91   | 18.04   | 19.00   |
|           |            | 1       | 24        | 17.71   | 18.14   | 17.89   | 19.00   |
|           | 256QAM     | 12      | 0         | 17.73   | 18.08   | 17.87   | 19.00   |
|           |            | 12      | 6         | 17.86   | 18.23   | 18.06   | 19.00   |
|           |            | 12      | 13        | 17.71   | 18.00   | 18.06   | 19.00   |
|           |            | 25      | 0         | 17.75   | 18.31   | 18.00   | 19.00   |
|           | QPSK       | 1       | 0         | 22.62   | 22.87   | 22.91   | 24.00   |
|           |            | 1       | 13        | 22.52   | 22.80   | 22.88   | 24.00   |
|           |            | 1       | 24        | 22.55   | 22.92   | 22.80   | 24.00   |
|           |            | 12      | 0         | 21.71   | 22.06   | 21.95   | 23.00   |
|           |            | 12      | 6         | 21.58   | 21.68   | 21.93   | 23.00   |
|           |            | 12      | 13        | 21.61   | 22.01   | 21.66   | 23.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.62   | 22.87   | 22.91   | 24.00   |

|       |        |     |    |       |       |       |       |
|-------|--------|-----|----|-------|-------|-------|-------|
|       |        | 1   | 25 | 22.61 | 22.89 | 22.97 | 24.00 |
|       |        | 1   | 49 | 22.55 | 22.85 | 22.83 | 24.00 |
|       |        | 25  | 0  | 21.61 | 21.97 | 21.90 | 23.00 |
|       |        | 25  | 13 | 21.64 | 21.77 | 21.88 | 23.00 |
|       |        | 25  | 25 | 21.66 | 22.03 | 21.76 | 23.00 |
|       |        | 50  | 0  | 21.50 | 21.78 | 21.91 | 23.00 |
|       | 16QAM  | 1   | 0  | 21.69 | 21.96 | 22.10 | 23.00 |
|       |        | 1   | 25 | 21.47 | 21.83 | 21.80 | 23.00 |
|       |        | 1   | 49 | 21.62 | 21.93 | 21.92 | 23.00 |
|       |        | 25  | 0  | 20.72 | 20.95 | 20.81 | 22.00 |
|       |        | 25  | 13 | 20.73 | 20.83 | 21.03 | 22.00 |
|       |        | 25  | 25 | 20.74 | 20.87 | 20.88 | 22.00 |
|       | 64QAM  | 50  | 0  | 20.70 | 20.94 | 21.01 | 22.00 |
|       |        | 1   | 0  | 20.70 | 20.90 | 20.82 | 22.00 |
|       |        | 1   | 25 | 20.64 | 21.07 | 20.75 | 22.00 |
|       |        | 1   | 49 | 20.65 | 20.88 | 20.98 | 22.00 |
|       |        | 25  | 0  | 19.49 | 19.88 | 19.91 | 21.00 |
|       |        | 25  | 13 | 19.65 | 19.98 | 20.08 | 21.00 |
|       | 256QAM | 25  | 25 | 19.69 | 19.90 | 19.98 | 21.00 |
|       |        | 50  | 0  | 19.64 | 19.92 | 19.81 | 21.00 |
|       |        | 1   | 0  | 17.49 | 18.10 | 17.89 | 19.00 |
|       |        | 1   | 25 | 17.75 | 17.99 | 17.98 | 19.00 |
|       |        | 1   | 49 | 17.67 | 18.12 | 17.97 | 19.00 |
|       |        | 25  | 0  | 17.63 | 18.15 | 17.90 | 19.00 |
| 15MHz | QPSK   | 25  | 13 | 17.80 | 18.14 | 18.05 | 19.00 |
|       |        | 25  | 25 | 17.75 | 18.00 | 18.14 | 19.00 |
|       |        | 50  | 0  | 17.74 | 18.25 | 18.06 | 19.00 |
|       | 16QAM  | 1   | 0  | 22.56 | 22.81 | 22.89 | 24.00 |
|       |        | 1   | 38 | 22.69 | 22.86 | 22.95 | 24.00 |
|       |        | 1   | 74 | 22.65 | 22.92 | 22.89 | 24.00 |
|       | 64QAM  | 36  | 0  | 21.61 | 22.04 | 21.86 | 23.00 |
|       |        | 36  | 18 | 21.57 | 21.86 | 21.88 | 23.00 |
|       |        | 36  | 39 | 21.71 | 21.97 | 21.86 | 23.00 |
|       | 256QAM | 75  | 0  | 21.57 | 21.87 | 21.97 | 23.00 |
|       |        | 1   | 0  | 21.61 | 21.99 | 22.02 | 23.00 |
|       |        | 1   | 38 | 21.53 | 21.90 | 21.87 | 23.00 |
|       |        | 1   | 74 | 21.64 | 22.02 | 21.92 | 23.00 |
|       |        | 36  | 0  | 20.76 | 20.98 | 20.88 | 22.00 |
|       |        | 36  | 18 | 20.73 | 20.78 | 20.95 | 22.00 |
| 20MHz | QPSK   | 36  | 39 | 20.73 | 20.95 | 20.90 | 22.00 |
|       |        | 75  | 0  | 20.72 | 20.99 | 21.07 | 22.00 |
|       | 16QAM  | 1   | 0  | 20.61 | 20.98 | 20.88 | 22.00 |
|       |        | 1   | 38 | 20.62 | 21.08 | 20.83 | 22.00 |
|       |        | 1   | 74 | 20.68 | 20.91 | 20.98 | 22.00 |
|       |        | 36  | 0  | 19.54 | 19.95 | 19.82 | 21.00 |
|       | 64QAM  | 36  | 18 | 19.72 | 19.99 | 20.02 | 21.00 |
|       |        | 36  | 39 | 19.79 | 19.93 | 19.92 | 21.00 |
|       |        | 75  | 0  | 19.71 | 20.00 | 19.88 | 21.00 |
|       | 256QAM | 1   | 0  | 17.59 | 18.11 | 17.99 | 19.00 |
|       |        | 1   | 38 | 17.74 | 17.99 | 17.94 | 19.00 |
|       |        | 1   | 74 | 17.67 | 18.11 | 17.95 | 19.00 |
|       |        | 36  | 0  | 17.65 | 18.08 | 17.94 | 19.00 |
|       |        | 36  | 18 | 17.71 | 18.07 | 18.02 | 19.00 |
|       |        | 36  | 39 | 17.71 | 18.02 | 18.05 | 19.00 |
|       | 16QAM  | 75  | 0  | 17.73 | 18.17 | 18.02 | 19.00 |
|       |        | 1   | 0  | 22.64 | 22.90 | 22.84 | 24.00 |
|       |        | 1   | 50 | 22.62 | 22.88 | 22.86 | 24.00 |
|       |        | 1   | 99 | 22.65 | 22.87 | 22.81 | 24.00 |
|       |        | 50  | 0  | 21.67 | 21.96 | 21.86 | 23.00 |
|       |        | 50  | 25 | 21.65 | 21.86 | 21.83 | 23.00 |
|       | QPSK   | 50  | 50 | 21.65 | 21.88 | 21.87 | 23.00 |
|       |        | 100 | 0  | 21.61 | 21.94 | 21.90 | 23.00 |
|       |        | 1   | 0  | 21.68 | 21.98 | 21.93 | 23.00 |
|       |        | 1   | 50 | 21.62 | 21.95 | 21.95 | 23.00 |
|       |        | 1   | 99 | 21.66 | 21.92 | 21.85 | 23.00 |
|       |        | 50  | 0  | 20.70 | 20.96 | 20.87 | 22.00 |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 50  | 25 | 20.65 | 20.81 | 20.90 | 22.00 |
|  |        | 50  | 50 | 20.66 | 20.94 | 20.97 | 22.00 |
|  |        | 100 | 0  | 20.63 | 20.91 | 20.98 | 22.00 |
|  |        | 1   | 0  | 20.60 | 21.03 | 20.97 | 22.00 |
|  | 64QAM  | 1   | 50 | 20.67 | 21.02 | 20.92 | 22.00 |
|  |        | 1   | 99 | 20.65 | 20.99 | 20.93 | 22.00 |
|  |        | 50  | 0  | 19.64 | 20.03 | 19.84 | 21.00 |
|  |        | 50  | 25 | 19.74 | 19.98 | 19.94 | 21.00 |
|  |        | 50  | 50 | 19.69 | 19.88 | 20.02 | 21.00 |
|  |        | 100 | 0  | 19.72 | 20.00 | 19.84 | 21.00 |
|  | 256QAM | 1   | 0  | 17.66 | 18.03 | 18.01 | 19.00 |
|  |        | 1   | 50 | 17.76 | 18.05 | 17.93 | 19.00 |
|  |        | 1   | 99 | 17.69 | 18.04 | 17.99 | 19.00 |
|  |        | 50  | 0  | 17.74 | 18.00 | 17.96 | 19.00 |
|  |        | 50  | 25 | 17.61 | 18.02 | 18.06 | 19.00 |
|  |        | 50  | 50 | 17.72 | 18.04 | 17.95 | 19.00 |
|  |        | 100 | 0  | 17.73 | 18.08 | 17.99 | 19.00 |

| LTE Band 25 Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 26047                | 26365   | 26683   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 20.52                | 20.79   | 20.67   | 22.00   |
|                       |            | 1       | 2         | 20.48                | 20.72   | 20.68   | 22.00   |
|                       |            | 1       | 5         | 20.48                | 20.73   | 20.70   | 22.00   |
|                       |            | 3       | 0         | 20.48                | 20.75   | 20.77   | 22.00   |
|                       |            | 3       | 2         | 20.49                | 20.75   | 20.76   | 22.00   |
|                       |            | 3       | 3         | 20.50                | 20.71   | 20.74   | 22.00   |
|                       | 16QAM      | 6       | 0         | 20.51                | 20.76   | 20.67   | 22.00   |
|                       |            | 1       | 0         | 20.50                | 20.77   | 20.73   | 22.00   |
|                       |            | 1       | 2         | 20.52                | 20.74   | 20.71   | 22.00   |
|                       |            | 1       | 5         | 20.46                | 20.72   | 20.73   | 22.00   |
|                       |            | 3       | 0         | 20.44                | 20.73   | 20.71   | 22.00   |
|                       |            | 3       | 2         | 20.48                | 20.71   | 20.77   | 22.00   |
|                       | 64QAM      | 3       | 3         | 20.49                | 20.70   | 20.75   | 22.00   |
|                       |            | 6       | 0         | 20.48                | 20.77   | 20.69   | 22.00   |
|                       |            | 1       | 0         | 20.49                | 20.75   | 20.69   | 22.00   |
|                       |            | 1       | 2         | 20.47                | 20.74   | 20.69   | 22.00   |
|                       |            | 1       | 5         | 20.46                | 20.77   | 20.71   | 22.00   |
|                       |            | 3       | 0         | 20.45                | 20.72   | 20.74   | 22.00   |
|                       | 256QAM     | 3       | 2         | 20.51                | 20.71   | 20.73   | 22.00   |
|                       |            | 3       | 3         | 20.48                | 20.73   | 20.74   | 22.00   |
|                       |            | 6       | 0         | 19.62                | 19.89   | 19.72   | 21.00   |
|                       |            | 1       | 0         | 17.57                | 17.89   | 17.92   | 19.00   |
|                       |            | 1       | 2         | 17.66                | 17.92   | 17.81   | 19.00   |
|                       |            | 1       | 5         | 17.59                | 17.90   | 17.87   | 19.00   |
|                       |            | 3       | 0         | 17.62                | 17.90   | 17.86   | 19.00   |
|                       |            | 3       | 2         | 17.49                | 17.88   | 17.94   | 19.00   |
| 3MHz                  | QPSK       | 3       | 3         | 17.62                | 17.94   | 17.81   | 19.00   |
|                       |            | 6       | 0         | 17.58                | 17.95   | 17.84   | 19.00   |
|                       |            | 1       | 0         | 20.50                | 20.77   | 20.69   | 22.00   |
|                       |            | 1       | 7         | 20.51                | 20.74   | 20.67   | 22.00   |
|                       |            | 1       | 14        | 20.48                | 20.73   | 20.66   | 22.00   |
|                       |            | 8       | 0         | 20.46                | 20.77   | 20.75   | 22.00   |
|                       |            | 8       | 4         | 20.51                | 20.74   | 20.74   | 22.00   |
|                       | 16QAM      | 8       | 7         | 20.45                | 20.74   | 20.70   | 22.00   |
|                       |            | 15      | 0         | 20.45                | 20.75   | 20.66   | 22.00   |
|                       |            | 1       | 0         | 20.49                | 20.74   | 20.77   | 22.00   |
|                       |            | 1       | 7         | 20.48                | 20.77   | 20.71   | 22.00   |
|                       |            | 1       | 14        | 20.46                | 20.76   | 20.68   | 22.00   |
|                       |            | 8       | 0         | 20.48                | 20.73   | 20.72   | 22.00   |
|                       |            | 8       | 4         | 20.49                | 20.73   | 20.73   | 22.00   |
|                       | 64QAM      | 8       | 7         | 20.49                | 20.71   | 20.70   | 22.00   |
|                       |            | 15      | 0         | 20.49                | 20.75   | 20.68   | 22.00   |
|                       |            | 1       | 0         | 20.50                | 20.77   | 20.72   | 22.00   |
|                       |            | 1       | 7         | 20.44                | 20.72   | 20.68   | 22.00   |
|                       |            | 1       | 14        | 20.46                | 20.74   | 20.70   | 22.00   |

|           | 256QAM     | 8       | 0         | 19.50   | 19.90   | 19.73   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 19.61   | 19.85   | 19.84   | 21.00   |
|           |            | 8       | 7         | 19.55   | 19.79   | 19.93   | 21.00   |
|           |            | 15      | 0         | 19.60   | 19.85   | 19.74   | 21.00   |
|           |            | 1       | 0         | 17.55   | 17.89   | 17.91   | 19.00   |
|           |            | 1       | 7         | 17.66   | 17.95   | 17.81   | 19.00   |
|           |            | 1       | 14        | 17.59   | 17.91   | 17.86   | 19.00   |
|           |            | 8       | 0         | 17.63   | 17.86   | 17.83   | 19.00   |
|           |            | 8       | 4         | 17.49   | 17.90   | 17.95   | 19.00   |
|           |            | 8       | 7         | 17.60   | 17.92   | 17.83   | 19.00   |
|           |            | 15      | 0         | 17.61   | 17.94   | 17.85   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26065   | 26365   | 26665   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.54   | 20.80   | 20.70   | 22.00   |
|           |            | 1       | 13        | 20.49   | 20.71   | 20.70   | 22.00   |
|           |            | 1       | 24        | 20.44   | 20.73   | 20.70   | 22.00   |
|           |            | 12      | 0         | 20.49   | 20.76   | 20.73   | 22.00   |
|           |            | 12      | 6         | 20.51   | 20.70   | 20.72   | 22.00   |
|           |            | 12      | 13        | 20.48   | 20.75   | 20.69   | 22.00   |
|           |            | 25      | 0         | 20.47   | 20.71   | 20.67   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.52   | 20.76   | 20.73   | 22.00   |
|           |            | 1       | 13        | 20.49   | 20.77   | 20.70   | 22.00   |
|           |            | 1       | 24        | 20.49   | 20.74   | 20.70   | 22.00   |
|           |            | 12      | 0         | 20.46   | 20.72   | 20.72   | 22.00   |
|           |            | 12      | 6         | 20.47   | 20.71   | 20.77   | 22.00   |
|           |            | 12      | 13        | 20.50   | 20.71   | 20.75   | 22.00   |
|           |            | 25      | 0         | 20.50   | 20.79   | 20.67   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.50   | 20.76   | 20.69   | 22.00   |
|           |            | 1       | 13        | 20.48   | 20.74   | 20.68   | 22.00   |
|           |            | 1       | 24        | 20.48   | 20.75   | 20.69   | 22.00   |
|           |            | 12      | 0         | 19.53   | 19.91   | 19.70   | 21.00   |
|           |            | 12      | 6         | 19.60   | 19.89   | 19.83   | 21.00   |
|           |            | 12      | 13        | 19.59   | 19.78   | 19.90   | 21.00   |
|           |            | 25      | 0         | 19.62   | 19.87   | 19.74   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.52   | 17.89   | 17.92   | 19.00   |
|           |            | 1       | 13        | 17.67   | 17.91   | 17.83   | 19.00   |
|           |            | 1       | 24        | 17.59   | 17.90   | 17.84   | 19.00   |
|           |            | 12      | 0         | 17.65   | 17.90   | 17.84   | 19.00   |
|           |            | 12      | 6         | 17.49   | 17.90   | 17.92   | 19.00   |
|           |            | 12      | 13        | 17.59   | 17.94   | 17.82   | 19.00   |
|           |            | 25      | 0         | 17.62   | 17.94   | 17.87   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.54   | 20.80   | 20.69   | 22.00   |
|           |            | 1       | 25        | 20.45   | 20.70   | 20.73   | 22.00   |
|           |            | 1       | 49        | 20.48   | 20.74   | 20.71   | 22.00   |
|           |            | 25      | 0         | 20.45   | 20.74   | 20.72   | 22.00   |
|           |            | 25      | 13        | 20.53   | 20.73   | 20.75   | 22.00   |
|           |            | 25      | 25        | 20.46   | 20.74   | 20.69   | 22.00   |
|           | 16QAM      | 50      | 0         | 20.49   | 20.75   | 20.68   | 22.00   |
|           |            | 1       | 0         | 20.52   | 20.74   | 20.77   | 22.00   |
|           |            | 1       | 25        | 20.49   | 20.73   | 20.71   | 22.00   |
|           |            | 1       | 49        | 20.43   | 20.75   | 20.72   | 22.00   |
|           |            | 25      | 0         | 20.45   | 20.75   | 20.71   | 22.00   |
|           |            | 25      | 13        | 20.52   | 20.71   | 20.77   | 22.00   |
|           | 64QAM      | 25      | 25        | 20.50   | 20.73   | 20.71   | 22.00   |
|           |            | 50      | 0         | 20.52   | 20.76   | 20.67   | 22.00   |
|           |            | 1       | 0         | 20.50   | 20.80   | 20.73   | 22.00   |
|           |            | 1       | 25        | 20.45   | 20.71   | 20.70   | 22.00   |
|           |            | 1       | 49        | 20.46   | 20.78   | 20.72   | 22.00   |
|           |            | 25      | 0         | 19.53   | 19.93   | 19.70   | 21.00   |
|           | 256QAM     | 25      | 13        | 19.60   | 19.85   | 19.82   | 21.00   |
|           |            | 25      | 25        | 19.56   | 19.76   | 19.88   | 21.00   |
|           |            | 50      | 0         | 19.60   | 19.85   | 19.75   | 21.00   |
|           |            | 1       | 0         | 17.56   | 17.91   | 17.86   | 19.00   |
|           |            | 1       | 25        | 17.62   | 17.91   | 17.83   | 19.00   |
|           |            | 1       | 49        | 17.55   | 17.95   | 17.85   | 19.00   |
|           |            | 25      | 0         | 17.64   | 17.90   | 17.81   | 19.00   |
|           |            | 25      | 13        | 17.46   | 17.93   | 17.92   | 19.00   |
|           |            | 25      | 25        | 17.62   | 17.94   | 17.81   | 19.00   |
|           |            | 25      | 25        | 17.62   | 17.94   | 17.81   | 19.00   |

| Bandwidth | Modulation | 50      | 0         | 17.62   | 17.94   | 17.89   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.50   | 20.79   | 20.66   | 22.00   |
|           |            | 1       | 38        | 20.47   | 20.73   | 20.71   | 22.00   |
|           |            | 1       | 74        | 20.47   | 20.75   | 20.70   | 22.00   |
|           |            | 36      | 0         | 20.47   | 20.77   | 20.74   | 22.00   |
|           |            | 36      | 18        | 20.51   | 20.74   | 20.76   | 22.00   |
|           |            | 36      | 39        | 20.45   | 20.76   | 20.70   | 22.00   |
|           |            | 75      | 0         | 20.46   | 20.74   | 20.72   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.51   | 20.75   | 20.77   | 22.00   |
|           |            | 1       | 38        | 20.51   | 20.78   | 20.73   | 22.00   |
|           |            | 1       | 74        | 20.47   | 20.71   | 20.71   | 22.00   |
|           |            | 36      | 0         | 20.46   | 20.72   | 20.69   | 22.00   |
|           |            | 36      | 18        | 20.51   | 20.74   | 20.74   | 22.00   |
|           |            | 36      | 39        | 20.51   | 20.73   | 20.71   | 22.00   |
|           |            | 75      | 0         | 20.50   | 20.75   | 20.69   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.52   | 20.79   | 20.72   | 22.00   |
|           |            | 1       | 38        | 20.48   | 20.74   | 20.71   | 22.00   |
|           |            | 1       | 74        | 20.46   | 20.77   | 20.68   | 22.00   |
|           |            | 36      | 0         | 19.54   | 19.93   | 19.72   | 21.00   |
|           |            | 36      | 18        | 19.60   | 19.88   | 19.81   | 21.00   |
|           |            | 36      | 39        | 19.60   | 19.79   | 19.92   | 21.00   |
|           |            | 75      | 0         | 19.62   | 19.87   | 19.73   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.52   | 17.93   | 17.90   | 19.00   |
|           |            | 1       | 38        | 17.65   | 17.91   | 17.83   | 19.00   |
|           |            | 1       | 74        | 17.58   | 17.92   | 17.88   | 19.00   |
|           |            | 36      | 0         | 17.65   | 17.87   | 17.84   | 19.00   |
|           |            | 36      | 18        | 17.49   | 17.93   | 17.94   | 19.00   |
|           |            | 36      | 39        | 17.62   | 17.91   | 17.83   | 19.00   |
|           |            | 75      | 0         | 17.62   | 17.93   | 17.84   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 26140   | 26365   | 26590   | 22.00   |
|           |            | 1       | 50        | 20.65   | 20.90   | 20.80   | 22.00   |
|           |            | 1       | 99        | 20.60   | 20.85   | 20.82   | 22.00   |
|           |            | 50      | 0         | 20.58   | 20.87   | 20.81   | 22.00   |
|           |            | 50      | 25        | 20.58   | 20.87   | 20.86   | 22.00   |
|           |            | 50      | 50        | 20.63   | 20.85   | 20.86   | 22.00   |
|           |            | 100     | 0         | 20.59   | 20.85   | 20.83   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.60   | 20.85   | 20.81   | 22.00   |
|           |            | 1       | 50        | 20.62   | 20.88   | 20.87   | 22.00   |
|           |            | 1       | 99        | 20.63   | 20.87   | 20.85   | 22.00   |
|           |            | 50      | 0         | 20.58   | 20.86   | 20.82   | 22.00   |
|           |            | 50      | 25        | 20.59   | 20.86   | 20.84   | 22.00   |
|           |            | 50      | 50        | 20.62   | 20.85   | 20.87   | 22.00   |
|           |            | 100     | 0         | 20.61   | 20.84   | 20.84   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.61   | 20.88   | 20.81   | 22.00   |
|           |            | 1       | 50        | 20.62   | 20.89   | 20.82   | 22.00   |
|           |            | 1       | 99        | 20.58   | 20.85   | 20.82   | 22.00   |
|           |            | 50      | 0         | 20.58   | 20.88   | 20.83   | 22.00   |
|           |            | 50      | 25        | 19.64   | 20.03   | 19.84   | 21.00   |
|           |            | 50      | 50        | 19.74   | 19.98   | 19.94   | 21.00   |
|           |            | 100     | 0         | 19.69   | 19.88   | 20.02   | 21.00   |
|           | 256QAM     | 1       | 0         | 19.72   | 20.00   | 19.84   | 21.00   |
|           |            | 1       | 50        | 17.66   | 18.03   | 18.01   | 19.00   |
|           |            | 1       | 99        | 17.76   | 18.05   | 17.93   | 19.00   |
|           |            | 50      | 0         | 17.69   | 18.04   | 17.99   | 19.00   |
|           |            | 50      | 25        | 17.74   | 18.00   | 17.96   | 19.00   |
|           |            | 50      | 50        | 17.61   | 18.02   | 18.06   | 19.00   |
|           |            | 100     | 0         | 17.72   | 18.04   | 17.95   | 19.00   |
|           |            | 100     | 0         | 17.73   | 18.08   | 17.99   | 19.00   |

| LTE Band 25 for Simultaneous |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                    | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz                       | QPSK       | 1       | 0         | 26047                | 26365   | 26683   | 19.00   |
|                              |            | 1       | 2         | 17.71                | 17.75   | 17.63   | 19.00   |
|                              |            | 1       | 5         | 17.63                | 17.68   | 17.81   | 19.00   |
|                              |            | 1       | 5         | 17.58                | 17.78   | 17.83   | 19.00   |

|           |            | 3       | 0         | 17.53            | 17.81            | 17.79            | 19.00   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 3       | 2         | 17.52            | 17.76            | 17.74            | 19.00   |
|           |            | 3       | 3         | 17.61            | 17.74            | 17.74            | 19.00   |
|           |            | 6       | 0         | 17.58            | 17.86            | 17.76            | 19.00   |
|           | 16QAM      | 1       | 0         | 17.55            | 17.82            | 17.79            | 19.00   |
|           |            | 1       | 2         | 17.51            | 17.78            | 17.86            | 19.00   |
|           |            | 1       | 5         | 17.55            | 17.69            | 17.71            | 19.00   |
|           |            | 3       | 0         | 17.57            | 17.84            | 17.83            | 19.00   |
|           |            | 3       | 2         | 17.53            | 17.72            | 17.87            | 19.00   |
|           |            | 3       | 3         | 17.43            | 17.86            | 17.71            | 19.00   |
|           |            | 6       | 0         | 17.53            | 17.93            | 17.74            | 19.00   |
|           |            | 1       | 0         | 17.63            | 17.68            | 17.73            | 19.00   |
|           | 64QAM      | 1       | 2         | 17.50            | 17.70            | 17.70            | 19.00   |
|           |            | 1       | 5         | 17.67            | 17.81            | 17.68            | 19.00   |
|           |            | 3       | 0         | 17.64            | 17.73            | 17.87            | 19.00   |
|           |            | 3       | 2         | 17.57            | 17.84            | 17.64            | 19.00   |
|           |            | 3       | 3         | 17.59            | 17.80            | 17.80            | 19.00   |
|           |            | 6       | 0         | 17.50            | 17.72            | 17.71            | 19.00   |
|           | 256QAM     | 1       | 0         | 17.51            | 17.85            | 17.71            | 19.00   |
|           |            | 1       | 2         | 17.55            | 17.78            | 17.69            | 19.00   |
|           |            | 1       | 5         | 17.47            | 17.71            | 17.73            | 19.00   |
|           |            | 3       | 0         | 17.50            | 17.75            | 17.76            | 19.00   |
|           |            | 3       | 2         | 17.44            | 17.83            | 17.78            | 19.00   |
|           |            | 3       | 3         | 17.54            | 17.70            | 17.83            | 19.00   |
|           |            | 6       | 0         | 17.54            | 17.82            | 17.85            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26055 | Channel<br>26365 | Channel<br>26675 | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 17.67            | 17.76            | 17.60            | 19.00   |
|           |            | 1       | 7         | 17.52            | 17.79            | 17.72            | 19.00   |
|           |            | 1       | 14        | 17.55            | 17.89            | 17.82            | 19.00   |
|           |            | 8       | 0         | 17.49            | 17.81            | 17.79            | 19.00   |
|           |            | 8       | 4         | 17.51            | 17.70            | 17.69            | 19.00   |
|           |            | 8       | 7         | 17.55            | 17.72            | 17.65            | 19.00   |
|           |            | 15      | 0         | 17.60            | 17.90            | 17.71            | 19.00   |
|           | 16QAM      | 1       | 0         | 17.53            | 17.70            | 17.80            | 19.00   |
|           |            | 1       | 7         | 17.54            | 17.78            | 17.87            | 19.00   |
|           |            | 1       | 14        | 17.62            | 17.70            | 17.65            | 19.00   |
|           |            | 8       | 0         | 17.68            | 17.87            | 17.81            | 19.00   |
|           |            | 8       | 4         | 17.52            | 17.80            | 17.88            | 19.00   |
|           |            | 8       | 7         | 17.44            | 17.83            | 17.73            | 19.00   |
|           |            | 15      | 0         | 17.61            | 17.84            | 17.75            | 19.00   |
|           | 64QAM      | 1       | 0         | 17.54            | 17.74            | 17.73            | 19.00   |
|           |            | 1       | 7         | 17.51            | 17.70            | 17.68            | 19.00   |
|           |            | 1       | 14        | 17.65            | 17.88            | 17.68            | 19.00   |
|           |            | 8       | 0         | 17.65            | 17.68            | 17.76            | 19.00   |
|           |            | 8       | 4         | 17.44            | 17.81            | 17.67            | 19.00   |
|           |            | 8       | 7         | 17.56            | 17.81            | 17.71            | 19.00   |
|           |            | 15      | 0         | 17.59            | 17.80            | 17.75            | 19.00   |
|           | 256QAM     | 1       | 0         | 17.62            | 17.80            | 17.79            | 19.00   |
|           |            | 1       | 7         | 17.52            | 17.75            | 17.65            | 19.00   |
|           |            | 1       | 14        | 17.54            | 17.83            | 17.76            | 19.00   |
|           |            | 8       | 0         | 17.62            | 17.65            | 17.81            | 19.00   |
|           |            | 8       | 4         | 17.48            | 17.81            | 17.70            | 19.00   |
|           |            | 8       | 7         | 17.56            | 17.74            | 17.78            | 19.00   |
|           |            | 15      | 0         | 17.63            | 17.76            | 17.81            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>26065 | Channel<br>26365 | Channel<br>26665 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.67            | 17.83            | 17.68            | 19.00   |
|           |            | 1       | 13        | 17.62            | 17.80            | 17.86            | 19.00   |
|           |            | 1       | 24        | 17.57            | 17.86            | 17.84            | 19.00   |
|           |            | 12      | 0         | 17.54            | 17.89            | 17.83            | 19.00   |
|           |            | 12      | 6         | 17.49            | 17.73            | 17.79            | 19.00   |
|           |            | 12      | 13        | 17.51            | 17.73            | 17.76            | 19.00   |
|           |            | 25      | 0         | 17.54            | 17.80            | 17.65            | 19.00   |
|           | 16QAM      | 1       | 0         | 17.47            | 17.84            | 17.89            | 19.00   |
|           |            | 1       | 13        | 17.53            | 17.86            | 17.92            | 19.00   |
|           |            | 1       | 24        | 17.65            | 17.76            | 17.70            | 19.00   |
|           |            | 12      | 0         | 17.60            | 17.82            | 17.89            | 19.00   |
|           |            | 12      | 6         | 17.63            | 17.72            | 17.86            | 19.00   |
|           |            | 12      | 13        | 17.55            | 17.91            | 17.74            | 19.00   |

|           | 64QAM      | 25      | 0         | 17.59   | 17.92   | 17.69   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 17.56   | 17.71   | 17.73   | 19.00   |
|           |            | 1       | 13        | 17.53   | 17.82   | 17.77   | 19.00   |
|           |            | 1       | 24        | 17.57   | 17.75   | 17.76   | 19.00   |
|           |            | 12      | 0         | 17.62   | 17.74   | 17.87   | 19.00   |
|           |            | 12      | 6         | 17.46   | 17.85   | 17.66   | 19.00   |
|           |            | 12      | 13        | 17.57   | 17.87   | 17.79   | 19.00   |
|           | 256QAM     | 25      | 0         | 17.52   | 17.79   | 17.79   | 19.00   |
|           |            | 1       | 0         | 17.65   | 17.84   | 17.70   | 19.00   |
|           |            | 1       | 13        | 17.64   | 17.88   | 17.75   | 19.00   |
|           |            | 1       | 24        | 17.54   | 17.78   | 17.74   | 19.00   |
|           |            | 12      | 0         | 17.53   | 17.65   | 17.69   | 19.00   |
|           |            | 12      | 6         | 17.53   | 17.85   | 17.68   | 19.00   |
|           |            | 12      | 13        | 17.66   | 17.77   | 17.76   | 19.00   |
|           |            | 25      | 0         | 17.59   | 17.81   | 17.75   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.63   | 17.83   | 17.65   | 19.00   |
|           |            | 1       | 25        | 17.54   | 17.71   | 17.84   | 19.00   |
|           |            | 1       | 49        | 17.60   | 17.84   | 17.80   | 19.00   |
|           |            | 25      | 0         | 17.57   | 17.76   | 17.84   | 19.00   |
|           |            | 25      | 13        | 17.57   | 17.77   | 17.72   | 19.00   |
|           |            | 25      | 25        | 17.54   | 17.78   | 17.73   | 19.00   |
|           |            | 50      | 0         | 17.66   | 17.82   | 17.77   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.55   | 17.83   | 17.90   | 19.00   |
|           |            | 1       | 25        | 17.56   | 17.83   | 17.91   | 19.00   |
|           |            | 1       | 49        | 17.65   | 17.69   | 17.79   | 19.00   |
|           |            | 25      | 0         | 17.56   | 17.88   | 17.86   | 19.00   |
|           |            | 25      | 13        | 17.58   | 17.78   | 17.89   | 19.00   |
|           |            | 25      | 25        | 17.55   | 17.88   | 17.81   | 19.00   |
|           |            | 50      | 0         | 17.55   | 17.81   | 17.81   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.57   | 17.67   | 17.77   | 19.00   |
|           |            | 1       | 25        | 17.58   | 17.78   | 17.65   | 19.00   |
|           |            | 1       | 49        | 17.58   | 17.77   | 17.79   | 19.00   |
|           |            | 25      | 0         | 17.66   | 17.78   | 17.84   | 19.00   |
|           |            | 25      | 13        | 17.55   | 17.79   | 17.65   | 19.00   |
|           |            | 25      | 25        | 17.50   | 17.79   | 17.73   | 19.00   |
|           |            | 50      | 0         | 17.47   | 17.75   | 17.65   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.62   | 17.83   | 17.72   | 19.00   |
|           |            | 1       | 25        | 17.58   | 17.82   | 17.78   | 19.00   |
|           |            | 1       | 49        | 17.50   | 17.76   | 17.80   | 19.00   |
|           |            | 25      | 0         | 17.53   | 17.70   | 17.78   | 19.00   |
|           |            | 25      | 13        | 17.55   | 17.88   | 17.69   | 19.00   |
|           |            | 25      | 25        | 17.69   | 17.77   | 17.87   | 19.00   |
|           |            | 50      | 0         | 17.66   | 17.71   | 17.80   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.66   | 17.75   | 17.62   | 19.00   |
|           |            | 1       | 38        | 17.51   | 17.80   | 17.84   | 19.00   |
|           |            | 1       | 74        | 17.60   | 17.85   | 17.84   | 19.00   |
|           |            | 36      | 0         | 17.53   | 17.77   | 17.87   | 19.00   |
|           |            | 36      | 18        | 17.62   | 17.76   | 17.68   | 19.00   |
|           |            | 36      | 39        | 17.58   | 17.71   | 17.70   | 19.00   |
|           |            | 75      | 0         | 17.57   | 17.77   | 17.77   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.55   | 17.79   | 17.76   | 19.00   |
|           |            | 1       | 38        | 17.55   | 17.75   | 17.85   | 19.00   |
|           |            | 1       | 74        | 17.60   | 17.77   | 17.75   | 19.00   |
|           |            | 36      | 0         | 17.54   | 17.79   | 17.80   | 19.00   |
|           |            | 36      | 18        | 17.55   | 17.76   | 17.87   | 19.00   |
|           |            | 36      | 39        | 17.47   | 17.90   | 17.78   | 19.00   |
|           |            | 75      | 0         | 17.56   | 17.92   | 17.80   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.53   | 17.78   | 17.78   | 19.00   |
|           |            | 1       | 38        | 17.61   | 17.69   | 17.72   | 19.00   |
|           |            | 1       | 74        | 17.70   | 17.75   | 17.71   | 19.00   |
|           |            | 36      | 0         | 17.57   | 17.67   | 17.86   | 19.00   |
|           |            | 36      | 18        | 17.45   | 17.83   | 17.78   | 19.00   |
|           |            | 36      | 39        | 17.55   | 17.89   | 17.77   | 19.00   |
|           |            | 75      | 0         | 17.58   | 17.68   | 17.66   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.53   | 17.74   | 17.70   | 19.00   |
|           |            | 1       | 38        | 17.64   | 17.75   | 17.74   | 19.00   |

|           |            | 1       | 74        | 17.54   | 17.81   | 17.69   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 0         | 17.55   | 17.79   | 17.78   | 19.00   |
|           |            | 36      | 18        | 17.46   | 17.87   | 17.74   | 19.00   |
|           |            | 36      | 39        | 17.59   | 17.75   | 17.76   | 19.00   |
|           |            | 75      | 0         | 17.55   | 17.70   | 17.78   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26140   | 26365   | 26590   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.78   | 18.03   | 17.71   | 19.00   |
|           |            | 1       | 50        | 17.61   | 17.79   | 17.97   | 19.00   |
|           |            | 1       | 99        | 17.67   | 17.86   | 17.80   | 19.00   |
|           |            | 50      | 0         | 17.64   | 17.99   | 17.97   | 19.00   |
|           |            | 50      | 25        | 17.61   | 17.83   | 17.79   | 19.00   |
|           |            | 50      | 50        | 17.71   | 17.86   | 17.82   | 19.00   |
|           | 16QAM      | 100     | 0         | 17.70   | 18.01   | 17.83   | 19.00   |
|           |            | 1       | 0         | 17.62   | 17.88   | 17.94   | 19.00   |
|           |            | 1       | 50        | 17.74   | 17.91   | 17.89   | 19.00   |
|           |            | 1       | 99        | 17.67   | 17.86   | 17.82   | 19.00   |
|           |            | 50      | 0         | 17.78   | 17.87   | 17.97   | 19.00   |
|           |            | 50      | 25        | 17.72   | 17.86   | 17.86   | 19.00   |
|           | 64QAM      | 50      | 50        | 17.63   | 17.98   | 17.83   | 19.00   |
|           |            | 100     | 0         | 17.57   | 17.90   | 17.86   | 19.00   |
|           |            | 1       | 0         | 17.63   | 17.82   | 17.76   | 19.00   |
|           |            | 1       | 50        | 17.60   | 17.89   | 17.84   | 19.00   |
|           |            | 1       | 99        | 17.75   | 17.97   | 17.75   | 19.00   |
|           |            | 50      | 0         | 17.75   | 17.87   | 17.93   | 19.00   |
|           | 256QAM     | 50      | 25        | 17.62   | 17.88   | 17.84   | 19.00   |
|           |            | 50      | 50        | 17.69   | 17.99   | 17.95   | 19.00   |
|           |            | 100     | 0         | 17.63   | 17.83   | 17.78   | 19.00   |
|           |            | 1       | 0         | 17.73   | 17.87   | 17.79   | 19.00   |
|           |            | 1       | 50        | 17.64   | 17.91   | 17.90   | 19.00   |
|           |            | 1       | 99        | 17.64   | 17.86   | 17.83   | 19.00   |
|           | 256QAM     | 50      | 0         | 17.61   | 17.84   | 17.81   | 19.00   |
|           |            | 50      | 25        | 17.57   | 17.96   | 17.77   | 19.00   |
|           |            | 50      | 50        | 17.78   | 17.85   | 17.85   | 19.00   |
|           |            | 100     | 0         | 17.75   | 17.82   | 17.91   | 19.00   |

| LTE Band 66 Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 131979               | 132322  | 132665  |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 23.09                | 23.15   | 22.97   | 24.00   |
|                        |            | 1       | 2         | 23.20                | 23.01   | 23.12   | 24.00   |
|                        |            | 1       | 5         | 22.93                | 23.06   | 22.78   | 24.00   |
|                        |            | 3       | 0         | 23.17                | 23.03   | 23.17   | 24.00   |
|                        |            | 3       | 1         | 22.87                | 23.01   | 22.85   | 24.00   |
|                        |            | 3       | 3         | 23.04                | 23.13   | 23.04   | 24.00   |
|                        | 16QAM      | 6       | 0         | 21.66                | 22.22   | 21.91   | 23.00   |
|                        |            | 1       | 0         | 21.84                | 22.22   | 22.13   | 23.00   |
|                        |            | 1       | 2         | 22.06                | 21.85   | 21.99   | 23.00   |
|                        |            | 1       | 5         | 22.19                | 21.99   | 22.29   | 23.00   |
|                        |            | 3       | 0         | 21.85                | 22.28   | 21.84   | 23.00   |
|                        |            | 3       | 1         | 22.15                | 22.26   | 21.74   | 23.00   |
|                        | 64QAM      | 3       | 3         | 21.94                | 22.25   | 21.71   | 23.00   |
|                        |            | 6       | 0         | 21.21                | 21.00   | 21.06   | 22.00   |
|                        |            | 1       | 0         | 21.26                | 21.29   | 21.01   | 22.00   |
|                        |            | 1       | 2         | 20.99                | 21.15   | 21.29   | 22.00   |
|                        |            | 1       | 5         | 20.99                | 21.12   | 20.91   | 22.00   |
|                        |            | 3       | 0         | 20.94                | 20.98   | 21.09   | 22.00   |
|                        | 256QAM     | 3       | 1         | 20.91                | 21.04   | 21.06   | 22.00   |
|                        |            | 3       | 3         | 21.13                | 20.88   | 21.15   | 22.00   |
|                        |            | 6       | 0         | 20.30                | 19.98   | 19.89   | 21.00   |
|                        |            | 1       | 0         | 18.01                | 18.08   | 17.99   | 19.00   |
|                        |            | 1       | 2         | 17.98                | 18.07   | 18.42   | 19.00   |
|                        |            | 1       | 5         | 17.91                | 18.08   | 18.03   | 19.00   |
|                        | 256QAM     | 3       | 0         | 18.02                | 18.38   | 18.03   | 19.00   |
|                        |            | 3       | 1         | 18.09                | 18.10   | 18.19   | 19.00   |
|                        |            | 3       | 3         | 17.94                | 18.07   | 18.18   | 19.00   |
|                        |            | 6       | 0         | 18.18                | 18.27   | 18.14   | 19.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 131987  | 132322  | 132657  |         |
| 3MHz      | QPSK       | 1       | 0         | 23.14   | 23.20   | 23.06   | 24.00   |
|           |            | 1       | 7         | 23.25   | 23.17   | 23.04   | 24.00   |
|           |            | 1       | 14        | 22.85   | 23.01   | 22.83   | 24.00   |
|           |            | 8       | 0         | 22.15   | 22.33   | 22.13   | 23.00   |
|           |            | 8       | 4         | 21.85   | 22.37   | 21.82   | 23.00   |
|           |            | 8       | 7         | 22.01   | 22.12   | 21.98   | 23.00   |
|           | 16QAM      | 15      | 0         | 21.72   | 22.14   | 21.97   | 23.00   |
|           |            | 1       | 0         | 21.93   | 22.25   | 22.04   | 23.00   |
|           |            | 1       | 7         | 22.07   | 21.81   | 21.97   | 23.00   |
|           |            | 1       | 14        | 22.21   | 22.03   | 22.37   | 23.00   |
|           |            | 8       | 0         | 20.80   | 21.30   | 20.92   | 22.00   |
|           |            | 8       | 4         | 21.09   | 21.19   | 20.80   | 22.00   |
|           | 64QAM      | 8       | 7         | 20.98   | 21.20   | 20.80   | 22.00   |
|           |            | 15      | 0         | 21.17   | 20.99   | 21.00   | 22.00   |
|           |            | 1       | 0         | 21.18   | 21.26   | 21.10   | 22.00   |
|           |            | 1       | 7         | 21.00   | 21.13   | 21.22   | 22.00   |
|           |            | 1       | 14        | 21.06   | 21.03   | 21.00   | 22.00   |
|           |            | 8       | 0         | 19.94   | 19.96   | 20.03   | 21.00   |
| 5MHz      | QPSK       | 8       | 4         | 19.92   | 20.14   | 20.11   | 21.00   |
|           |            | 8       | 7         | 20.17   | 19.82   | 20.21   | 21.00   |
|           |            | 15      | 0         | 20.20   | 20.03   | 19.95   | 21.00   |
|           | 16QAM      | 1       | 0         | 18.05   | 17.99   | 18.04   | 19.00   |
|           |            | 1       | 7         | 18.05   | 18.13   | 18.36   | 19.00   |
|           |            | 1       | 14        | 17.98   | 18.06   | 17.94   | 19.00   |
|           | 64QAM      | 8       | 0         | 18.02   | 18.30   | 18.09   | 19.00   |
|           |            | 8       | 4         | 18.08   | 18.08   | 18.20   | 19.00   |
|           |            | 8       | 7         | 17.93   | 18.12   | 18.27   | 19.00   |
|           |            | 15      | 0         | 18.08   | 18.30   | 18.12   | 19.00   |
|           | 256QAM     | 1       | 0         | 23.07   | 23.23   | 22.98   | 24.00   |
|           |            | 1       | 13        | 23.18   | 23.11   | 23.01   | 24.00   |
|           |            | 1       | 24        | 22.91   | 23.11   | 22.92   | 24.00   |
|           |            | 12      | 0         | 22.08   | 22.33   | 22.18   | 23.00   |
|           |            | 12      | 6         | 21.91   | 22.32   | 21.87   | 23.00   |
|           |            | 12      | 13        | 21.99   | 22.20   | 21.95   | 23.00   |
| 10MHz     | QPSK       | 25      | 0         | 21.78   | 22.24   | 22.06   | 23.00   |
|           |            | 1       | 0         | 21.85   | 22.18   | 21.95   | 23.00   |
|           |            | 1       | 13        | 22.12   | 21.88   | 21.92   | 23.00   |
|           |            | 1       | 24        | 22.20   | 22.10   | 22.30   | 23.00   |
|           |            | 12      | 0         | 20.89   | 21.29   | 20.86   | 22.00   |
|           |            | 12      | 6         | 21.02   | 21.11   | 20.80   | 22.00   |
|           | 16QAM      | 12      | 13        | 21.04   | 21.21   | 20.81   | 22.00   |
|           |            | 25      | 0         | 21.08   | 21.00   | 20.90   | 22.00   |
|           |            | 1       | 0         | 21.09   | 21.30   | 21.14   | 22.00   |
|           |            | 1       | 13        | 20.95   | 21.22   | 21.19   | 22.00   |
|           |            | 1       | 24        | 21.08   | 20.96   | 20.95   | 22.00   |
|           |            | 12      | 0         | 19.97   | 19.96   | 20.03   | 21.00   |
|           | 64QAM      | 12      | 6         | 19.92   | 20.04   | 20.09   | 21.00   |
|           |            | 12      | 13        | 20.13   | 19.91   | 20.14   | 21.00   |
|           |            | 25      | 0         | 20.30   | 20.11   | 19.96   | 21.00   |
|           |            | 1       | 0         | 18.12   | 18.06   | 18.01   | 19.00   |
|           |            | 1       | 13        | 17.97   | 18.18   | 18.41   | 19.00   |
|           |            | 1       | 24        | 18.00   | 18.07   | 17.84   | 19.00   |
|           | 256QAM     | 12      | 0         | 17.93   | 18.22   | 18.19   | 19.00   |
|           |            | 12      | 6         | 18.02   | 18.07   | 18.21   | 19.00   |
|           |            | 12      | 13        | 17.98   | 18.07   | 18.23   | 19.00   |
|           |            | 25      | 0         | 18.00   | 18.20   | 18.05   | 19.00   |
|           |            | 1       | 0         | 23.02   | 23.14   | 23.05   | 24.00   |
|           |            | 1       | 25        | 23.15   | 23.04   | 23.00   | 24.00   |
|           | QPSK       | 1       | 49        | 22.98   | 23.19   | 22.92   | 24.00   |
|           |            | 25      | 0         | 22.09   | 22.25   | 22.19   | 23.00   |
|           |            | 25      | 13        | 21.94   | 22.25   | 21.97   | 23.00   |
|           |            | 25      | 25        | 21.95   | 22.10   | 21.99   | 23.00   |
|           |            | 50      | 0         | 21.88   | 22.14   | 22.05   | 23.00   |
|           |            | 1       | 0         | 21.95   | 22.15   | 22.01   | 23.00   |
|           | 16QAM      | 1       | 25        | 22.05   | 21.91   | 21.99   | 23.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 22.16   | 22.14   | 22.20   | 23.00   |
|           |            | 25      | 0         | 20.97   | 21.19   | 20.95   | 22.00   |
|           |            | 25      | 13        | 20.99   | 21.05   | 20.88   | 22.00   |
|           |            | 25      | 25        | 20.97   | 21.24   | 20.91   | 22.00   |
|           |            | 50      | 0         | 21.07   | 21.01   | 20.92   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.99   | 21.28   | 21.14   | 22.00   |
|           |            | 1       | 25        | 20.90   | 21.12   | 21.12   | 22.00   |
|           |            | 1       | 49        | 20.99   | 20.99   | 20.96   | 22.00   |
|           |            | 25      | 0         | 20.02   | 20.06   | 20.13   | 21.00   |
|           |            | 25      | 13        | 19.89   | 19.94   | 20.11   | 21.00   |
|           | 256QAM     | 25      | 25        | 20.12   | 19.96   | 20.05   | 21.00   |
|           |            | 50      | 0         | 20.25   | 20.06   | 19.97   | 21.00   |
|           |            | 1       | 0         | 18.07   | 18.07   | 18.06   | 19.00   |
|           |            | 1       | 25        | 17.87   | 18.18   | 18.31   | 19.00   |
|           |            | 1       | 49        | 18.10   | 17.99   | 17.89   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132047  | 132322  | 132597  |         |
| 15MHz     | QPSK       | 1       | 0         | 23.07   | 23.08   | 23.07   | 24.00   |
|           |            | 1       | 38        | 23.08   | 23.09   | 23.07   | 24.00   |
|           |            | 1       | 74        | 23.07   | 23.18   | 22.92   | 24.00   |
|           |            | 36      | 0         | 22.00   | 22.21   | 22.12   | 23.00   |
|           |            | 36      | 18        | 22.00   | 22.16   | 22.04   | 23.00   |
|           |            | 36      | 39        | 21.96   | 22.08   | 22.08   | 23.00   |
|           |            | 75      | 0         | 21.96   | 22.13   | 22.08   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.94   | 22.17   | 21.98   | 23.00   |
|           |            | 1       | 38        | 22.09   | 21.97   | 21.98   | 23.00   |
|           |            | 1       | 74        | 22.14   | 22.13   | 22.10   | 23.00   |
|           |            | 36      | 0         | 20.97   | 21.13   | 21.01   | 22.00   |
|           |            | 36      | 18        | 20.92   | 21.11   | 20.93   | 22.00   |
|           |            | 36      | 39        | 20.94   | 21.17   | 20.90   | 22.00   |
|           |            | 75      | 0         | 21.00   | 21.02   | 20.98   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.04   | 21.20   | 21.15   | 22.00   |
|           |            | 1       | 38        | 20.94   | 21.18   | 21.06   | 22.00   |
|           |            | 1       | 74        | 21.09   | 20.96   | 20.88   | 22.00   |
|           |            | 36      | 0         | 20.11   | 20.13   | 20.16   | 21.00   |
|           |            | 36      | 18        | 19.95   | 20.02   | 20.07   | 21.00   |
|           |            | 36      | 39        | 20.15   | 20.02   | 20.02   | 21.00   |
|           |            | 75      | 0         | 20.16   | 19.98   | 20.02   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.12   | 18.14   | 18.10   | 19.00   |
|           |            | 1       | 38        | 17.91   | 18.10   | 18.21   | 19.00   |
|           |            | 1       | 74        | 18.03   | 17.99   | 17.90   | 19.00   |
|           |            | 36      | 0         | 18.05   | 18.25   | 18.07   | 19.00   |
|           |            | 36      | 18        | 17.99   | 18.11   | 18.24   | 19.00   |
|           |            | 36      | 39        | 17.93   | 18.10   | 18.15   | 19.00   |
|           |            | 75      | 0         | 18.03   | 18.10   | 17.96   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132072  | 132322  | 132572  |         |
| 20MHz     | QPSK       | 1       | 0         | 23.08   | 23.13   | 23.05   | 24.00   |
|           |            | 1       | 50        | 23.07   | 23.10   | 23.06   | 24.00   |
|           |            | 1       | 99        | 23.09   | 23.09   | 23.02   | 24.00   |
|           |            | 50      | 0         | 22.07   | 22.11   | 22.03   | 23.00   |
|           |            | 50      | 25        | 22.03   | 22.06   | 22.04   | 23.00   |
|           |            | 50      | 50        | 22.04   | 22.08   | 22.01   | 23.00   |
|           |            | 100     | 0         | 22.06   | 22.08   | 22.03   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.04   | 22.10   | 22.05   | 23.00   |
|           |            | 1       | 50        | 22.04   | 22.07   | 22.02   | 23.00   |
|           |            | 1       | 99        | 22.06   | 22.05   | 22.00   | 23.00   |
|           |            | 50      | 0         | 21.03   | 21.06   | 21.03   | 22.00   |
|           |            | 50      | 25        | 21.00   | 21.05   | 21.03   | 22.00   |
|           |            | 50      | 50        | 21.04   | 21.07   | 20.99   | 22.00   |
|           |            | 100     | 0         | 21.04   | 21.07   | 21.02   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.10   | 21.15   | 21.07   | 22.00   |
|           |            | 1       | 50        | 20.99   | 21.14   | 21.07   | 22.00   |
|           |            | 1       | 99        | 21.09   | 20.99   | 20.94   | 22.00   |
|           |            | 50      | 0         | 20.14   | 20.12   | 20.08   | 21.00   |
|           |            | 50      | 25        | 20.03   | 19.99   | 20.04   | 21.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 50  | 50 | 20.11 | 20.09 | 20.05 | 21.00 |
|  |        | 100 | 0  | 20.11 | 20.01 | 19.97 | 21.00 |
|  | 256QAM | 1   | 0  | 18.08 | 18.14 | 18.07 | 19.00 |
|  |        | 1   | 50 | 17.96 | 18.10 | 18.17 | 19.00 |
|  |        | 1   | 99 | 18.04 | 17.94 | 17.93 | 19.00 |
|  |        | 50  | 0  | 17.95 | 18.17 | 18.17 | 19.00 |
|  |        | 50  | 25 | 18.09 | 18.10 | 18.17 | 19.00 |
|  |        | 50  | 50 | 18.02 | 18.16 | 18.14 | 19.00 |
|  |        | 100 | 0  | 18.08 | 18.07 | 18.04 | 19.00 |

| LTE Band 66 for Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                 | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz                    | QPSK       | 1       | 0         | 131979               | 132322  | 132665  | 23.00   |
|                           |            | 1       | 2         | 21.95                | 21.99   | 21.90   | 23.00   |
|                           |            | 1       | 5         | 21.88                | 21.94   | 21.89   | 23.00   |
|                           |            | 3       | 0         | 21.94                | 21.97   | 21.90   | 23.00   |
|                           |            | 3       | 1         | 21.92                | 21.98   | 21.94   | 23.00   |
|                           |            | 3       | 3         | 21.93                | 21.96   | 21.91   | 23.00   |
|                           | 16QAM      | 3       | 3         | 21.97                | 21.97   | 21.97   | 23.00   |
|                           |            | 6       | 0         | 21.98                | 21.96   | 21.95   | 23.00   |
|                           |            | 1       | 0         | 21.89                | 21.96   | 21.90   | 23.00   |
|                           |            | 1       | 2         | 21.91                | 21.96   | 21.91   | 23.00   |
|                           |            | 1       | 5         | 21.94                | 21.96   | 21.90   | 23.00   |
|                           |            | 3       | 0         | 21.92                | 21.96   | 21.94   | 23.00   |
|                           | 64QAM      | 3       | 1         | 21.93                | 21.97   | 21.91   | 23.00   |
|                           |            | 3       | 3         | 21.95                | 21.96   | 21.89   | 23.00   |
|                           |            | 6       | 0         | 20.91                | 20.94   | 20.88   | 22.00   |
|                           |            | 1       | 0         | 20.99                | 21.02   | 20.95   | 22.00   |
|                           |            | 1       | 2         | 20.88                | 20.99   | 20.93   | 22.00   |
|                           |            | 1       | 5         | 20.97                | 20.90   | 20.84   | 22.00   |
|                           | 256QAM     | 3       | 0         | 20.91                | 20.96   | 20.87   | 22.00   |
|                           |            | 3       | 1         | 20.99                | 21.05   | 20.94   | 22.00   |
|                           |            | 3       | 3         | 20.85                | 20.99   | 20.96   | 22.00   |
|                           |            | 6       | 0         | 20.01                | 19.87   | 19.83   | 21.00   |
|                           |            | 1       | 0         | 17.96                | 18.03   | 17.94   | 19.00   |
|                           |            | 1       | 2         | 17.85                | 18.00   | 18.05   | 19.00   |
| 3MHz                      | QPSK       | 1       | 5         | 17.93                | 17.81   | 17.81   | 19.00   |
|                           |            | 3       | 0         | 17.83                | 18.04   | 18.03   | 19.00   |
|                           |            | 3       | 1         | 17.96                | 17.99   | 18.05   | 19.00   |
|                           |            | 3       | 3         | 17.90                | 18.03   | 18.05   | 19.00   |
|                           |            | 6       | 0         | 17.96                | 17.93   | 17.92   | 19.00   |
|                           |            | 1       | 0         | 131987               | 132322  | 132657  | 23.00   |
|                           | 16QAM      | 1       | 0         | 21.99                | 21.97   | 21.87   | 23.00   |
|                           |            | 1       | 7         | 21.89                | 21.96   | 21.88   | 23.00   |
|                           |            | 1       | 14        | 21.98                | 21.98   | 21.88   | 23.00   |
|                           |            | 8       | 0         | 21.89                | 21.95   | 21.95   | 23.00   |
|                           |            | 8       | 4         | 21.91                | 21.95   | 21.95   | 23.00   |
|                           |            | 8       | 7         | 21.95                | 21.96   | 21.97   | 23.00   |
|                           | 64QAM      | 15      | 0         | 21.93                | 21.97   | 21.95   | 23.00   |
|                           |            | 1       | 0         | 21.93                | 21.96   | 21.91   | 23.00   |
|                           |            | 1       | 7         | 21.93                | 21.95   | 21.90   | 23.00   |
|                           |            | 1       | 14        | 21.95                | 21.98   | 21.91   | 23.00   |
|                           |            | 8       | 0         | 20.90                | 20.95   | 20.90   | 22.00   |
|                           |            | 8       | 4         | 20.90                | 20.94   | 20.94   | 22.00   |
|                           | 256QAM     | 8       | 7         | 20.91                | 20.94   | 20.87   | 22.00   |
|                           |            | 15      | 0         | 20.93                | 20.94   | 20.93   | 22.00   |
|                           |            | 1       | 0         | 21.01                | 21.05   | 20.96   | 22.00   |
|                           |            | 1       | 7         | 20.86                | 21.01   | 20.93   | 22.00   |
|                           |            | 1       | 14        | 20.98                | 20.88   | 20.84   | 22.00   |
|                           |            | 8       | 0         | 20.00                | 19.99   | 19.94   | 21.00   |
|                           | QPSK       | 8       | 4         | 19.94                | 19.90   | 19.92   | 21.00   |
|                           |            | 8       | 7         | 19.97                | 19.98   | 19.94   | 21.00   |
|                           |            | 15      | 0         | 20.00                | 19.90   | 19.87   | 21.00   |
|                           | 16QAM      | 1       | 0         | 17.94                | 18.00   | 17.97   | 19.00   |
|                           |            | 1       | 7         | 17.86                | 17.95   | 18.05   | 19.00   |
|                           |            | 1       | 14        | 17.90                | 17.82   | 17.78   | 19.00   |
|                           |            | 8       | 0         | 17.82                | 18.07   | 18.03   | 19.00   |

|           |            | 8       | 4         | 17.95   | 18.01   | 18.06   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 17.89   | 18.02   | 18.01   | 19.00   |
|           |            | 15      | 0         | 17.93   | 17.96   | 17.94   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131997  | 132322  | 132647  |         |
| 5MHz      | QPSK       | 1       | 0         | 21.97   | 21.97   | 21.89   | 23.00   |
|           |            | 1       | 13        | 21.93   | 21.97   | 21.90   | 23.00   |
|           |            | 1       | 24        | 21.98   | 21.97   | 21.90   | 23.00   |
|           |            | 12      | 0         | 21.93   | 21.94   | 21.94   | 23.00   |
|           |            | 12      | 6         | 21.93   | 21.97   | 21.95   | 23.00   |
|           |            | 12      | 13        | 21.92   | 21.97   | 21.97   | 23.00   |
|           |            | 25      | 0         | 21.96   | 21.98   | 21.92   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.89   | 21.96   | 21.91   | 23.00   |
|           |            | 1       | 13        | 21.93   | 21.99   | 21.87   | 23.00   |
|           |            | 1       | 24        | 21.96   | 21.98   | 21.89   | 23.00   |
|           |            | 12      | 0         | 20.89   | 20.92   | 20.91   | 22.00   |
|           |            | 12      | 6         | 20.89   | 20.94   | 20.90   | 22.00   |
|           |            | 12      | 13        | 20.89   | 20.92   | 20.86   | 22.00   |
|           |            | 25      | 0         | 20.89   | 20.96   | 20.91   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.00   | 21.02   | 20.94   | 22.00   |
|           |            | 1       | 13        | 20.86   | 21.00   | 20.95   | 22.00   |
|           |            | 1       | 24        | 20.98   | 20.86   | 20.85   | 22.00   |
|           |            | 12      | 0         | 20.04   | 19.99   | 19.99   | 21.00   |
|           |            | 12      | 6         | 19.94   | 19.85   | 19.93   | 21.00   |
|           |            | 12      | 13        | 20.00   | 20.00   | 19.94   | 21.00   |
|           |            | 25      | 0         | 20.02   | 19.87   | 19.85   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.95   | 18.00   | 17.95   | 19.00   |
|           |            | 1       | 13        | 17.84   | 18.00   | 18.07   | 19.00   |
|           |            | 1       | 24        | 17.90   | 17.82   | 17.83   | 19.00   |
|           |            | 12      | 0         | 17.85   | 18.03   | 18.02   | 19.00   |
|           |            | 12      | 6         | 17.98   | 17.97   | 18.07   | 19.00   |
|           |            | 12      | 13        | 17.90   | 18.06   | 18.01   | 19.00   |
|           |            | 25      | 0         | 17.98   | 17.94   | 17.91   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132022  | 132322  | 132622  |         |
| 10MHz     | QPSK       | 1       | 0         | 21.95   | 22.01   | 21.86   | 23.00   |
|           |            | 1       | 25        | 21.93   | 21.96   | 21.91   | 23.00   |
|           |            | 1       | 49        | 21.95   | 21.94   | 21.93   | 23.00   |
|           |            | 25      | 0         | 21.93   | 21.93   | 21.91   | 23.00   |
|           |            | 25      | 13        | 21.91   | 21.98   | 21.95   | 23.00   |
|           |            | 25      | 25        | 21.92   | 21.96   | 21.96   | 23.00   |
|           |            | 50      | 0         | 21.97   | 21.95   | 21.94   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.89   | 21.98   | 21.94   | 23.00   |
|           |            | 1       | 25        | 21.91   | 21.93   | 21.88   | 23.00   |
|           |            | 1       | 49        | 21.95   | 21.94   | 21.92   | 23.00   |
|           |            | 25      | 0         | 20.90   | 20.92   | 20.93   | 22.00   |
|           |            | 25      | 13        | 20.87   | 20.95   | 20.94   | 22.00   |
|           |            | 25      | 25        | 20.95   | 20.94   | 20.84   | 22.00   |
|           |            | 50      | 0         | 20.90   | 20.95   | 20.89   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.97   | 21.03   | 20.97   | 22.00   |
|           |            | 1       | 25        | 20.89   | 21.04   | 20.98   | 22.00   |
|           |            | 1       | 49        | 20.99   | 20.87   | 20.81   | 22.00   |
|           |            | 25      | 0         | 19.99   | 20.02   | 19.96   | 21.00   |
|           |            | 25      | 13        | 19.91   | 19.88   | 19.95   | 21.00   |
|           |            | 25      | 25        | 20.02   | 19.98   | 19.95   | 21.00   |
|           |            | 50      | 0         | 20.00   | 19.88   | 19.84   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.94   | 18.02   | 17.94   | 19.00   |
|           |            | 1       | 25        | 17.84   | 17.98   | 18.07   | 19.00   |
|           |            | 1       | 49        | 17.89   | 17.83   | 17.79   | 19.00   |
|           |            | 25      | 0         | 17.81   | 18.07   | 18.03   | 19.00   |
|           |            | 25      | 13        | 17.97   | 18.00   | 18.08   | 19.00   |
|           |            | 25      | 25        | 17.91   | 18.05   | 18.01   | 19.00   |
|           |            | 50      | 0         | 17.96   | 17.97   | 17.89   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132047  | 132322  | 132597  |         |
| 15MHz     | QPSK       | 1       | 0         | 21.99   | 21.99   | 21.87   | 23.00   |
|           |            | 1       | 38        | 21.92   | 21.94   | 21.94   | 23.00   |
|           |            | 1       | 74        | 21.99   | 22.00   | 21.92   | 23.00   |
|           |            | 36      | 0         | 21.91   | 21.93   | 21.90   | 23.00   |
|           |            | 36      | 18        | 21.94   | 21.96   | 21.94   | 23.00   |

|           |            |         |           |         |         |         |         |       |
|-----------|------------|---------|-----------|---------|---------|---------|---------|-------|
|           |            | 36      | 39        | 21.96   | 21.97   | 21.92   | 23.00   |       |
|           |            | 75      | 0         | 21.93   | 21.96   | 21.94   | 23.00   |       |
|           | 16QAM      | 1       | 0         | 21.94   | 21.96   | 21.91   | 23.00   |       |
|           |            | 1       | 38        | 21.92   | 21.98   | 21.91   | 23.00   |       |
|           |            | 1       | 74        | 21.95   | 21.97   | 21.91   | 23.00   |       |
|           |            | 36      | 0         | 20.90   | 20.94   | 20.91   | 22.00   |       |
|           |            | 36      | 18        | 20.88   | 20.93   | 20.94   | 22.00   |       |
|           |            | 36      | 39        | 20.94   | 20.95   | 20.86   | 22.00   |       |
|           |            | 75      | 0         | 20.93   | 20.95   | 20.89   | 22.00   |       |
|           |            | 64QAM   | 1         | 0       | 20.96   | 21.05   | 20.96   | 22.00 |
|           | 1          |         | 38        | 20.85   | 21.00   | 20.92   | 22.00   |       |
|           | 1          |         | 74        | 20.98   | 20.90   | 20.84   | 22.00   |       |
|           | 36         |         | 0         | 20.04   | 20.01   | 19.94   | 21.00   |       |
|           | 36         |         | 18        | 19.93   | 19.84   | 19.93   | 21.00   |       |
|           | 36         |         | 39        | 20.02   | 19.95   | 19.92   | 21.00   |       |
|           | 256QAM     | 75      | 0         | 20.01   | 19.87   | 19.84   | 21.00   |       |
|           |            | 1       | 0         | 17.98   | 18.04   | 17.97   | 19.00   |       |
|           |            | 1       | 38        | 17.81   | 17.99   | 18.08   | 19.00   |       |
|           |            | 1       | 74        | 17.90   | 17.84   | 17.82   | 19.00   |       |
|           |            | 36      | 0         | 17.82   | 18.03   | 18.08   | 19.00   |       |
|           |            | 36      | 18        | 17.99   | 18.00   | 18.04   | 19.00   |       |
|           | 20MHz      | QPSK    | 36        | 39      | 17.89   | 18.01   | 18.04   | 19.00 |
|           |            |         | 75        | 0       | 17.97   | 17.94   | 17.91   | 19.00 |
|           |            |         | 16QAM     | 1       | 0       | 22.08   | 22.11   | 22.00 |
| 1         |            |         |           | 50      | 22.03   | 22.06   | 22.03   | 23.00 |
| 1         |            |         |           | 99      | 22.08   | 22.09   | 22.02   | 23.00 |
| 50        |            |         |           | 0       | 22.04   | 22.08   | 22.04   | 23.00 |
| 50        |            | 25      |           | 22.05   | 22.09   | 22.05   | 23.00   |       |
| 50        |            | 50      |           | 22.06   | 22.08   | 22.07   | 23.00   |       |
| 64QAM     |            | 100     | 0         | 22.07   | 22.09   | 22.05   | 23.00   |       |
|           |            | 1       | 0         | 22.03   | 22.10   | 22.04   | 23.00   |       |
|           |            | 1       | 50        | 22.04   | 22.08   | 22.01   | 23.00   |       |
|           |            | 1       | 99        | 22.06   | 22.08   | 22.02   | 23.00   |       |
|           |            | 50      | 0         | 21.03   | 21.06   | 21.03   | 22.00   |       |
|           |            | 50      | 25        | 21.00   | 21.05   | 21.03   | 22.00   |       |
| 256QAM    |            | 50      | 50        | 21.04   | 21.07   | 20.99   | 22.00   |       |
|           |            | 100     | 0         | 21.04   | 21.07   | 21.02   | 22.00   |       |
|           |            | 1       | 0         | 21.10   | 21.15   | 21.07   | 22.00   |       |
|           |            | 1       | 50        | 20.99   | 21.14   | 21.07   | 22.00   |       |
|           |            | 1       | 99        | 21.09   | 20.99   | 20.94   | 22.00   |       |
|           |            | 50      | 0         | 20.14   | 20.12   | 20.08   | 21.00   |       |
| 16QAM     |            | 50      | 25        | 20.03   | 19.99   | 20.04   | 21.00   |       |
|           |            | 50      | 50        | 20.11   | 20.09   | 20.05   | 21.00   |       |
|           |            | 100     | 0         | 20.11   | 20.01   | 19.97   | 21.00   |       |
|           |            | 1       | 0         | 18.08   | 18.14   | 18.07   | 19.00   |       |
|           | 1          | 50      | 17.96     | 18.10   | 18.17   | 19.00   |         |       |
|           | 1          | 99      | 18.04     | 17.94   | 17.93   | 19.00   |         |       |
| 64QAM     | 50         | 0       | 17.95     | 18.17   | 18.17   | 19.00   |         |       |
|           | 50         | 25      | 18.09     | 18.10   | 18.17   | 19.00   |         |       |
|           | 50         | 50      | 18.02     | 18.16   | 18.14   | 19.00   |         |       |
|           | 100        | 0       | 18.08     | 18.07   | 18.04   | 19.00   |         |       |
|           | 1          | 0       | 17.98     | 18.04   | 17.97   | 19.00   |         |       |
|           | 1          | 38      | 17.81     | 17.99   | 18.08   | 19.00   |         |       |
| 256QAM    | 1          | 74      | 17.90     | 17.84   | 17.82   | 19.00   |         |       |
|           | 36         | 0       | 17.82     | 18.03   | 18.08   | 19.00   |         |       |
|           | 36         | 18      | 17.99     | 18.00   | 18.04   | 19.00   |         |       |
|           | 36         | 39      | 17.89     | 18.01   | 18.04   | 19.00   |         |       |
|           | 75         | 0       | 17.97     | 17.94   | 17.91   | 19.00   |         |       |
|           | 1          | 0       | 17.98     | 18.04   | 17.97   | 19.00   |         |       |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |       |
|           |            |         |           | 132072  | 132322  | 132572  |         |       |
|           |            |         |           |         |         |         |         |       |

|           |            | 3       | 1         | 18.98   | 19.09   | 19.01   | 20.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 18.96   | 19.01   | 19.00   | 20.00   |
|           |            | 6       | 0         | 19.08   | 18.95   | 18.99   | 20.00   |
|           | 64QAM      | 1       | 0         | 18.90   | 19.12   | 19.07   | 20.00   |
|           |            | 1       | 2         | 19.02   | 19.02   | 19.04   | 20.00   |
|           |            | 1       | 5         | 19.11   | 19.01   | 19.01   | 20.00   |
|           |            | 3       | 0         | 19.07   | 19.00   | 19.07   | 20.00   |
|           |            | 3       | 1         | 18.92   | 19.04   | 19.02   | 20.00   |
|           |            | 3       | 3         | 19.04   | 19.07   | 18.88   | 20.00   |
|           |            | 6       | 0         | 18.95   | 19.04   | 19.04   | 20.00   |
|           | 256QAM     | 1       | 0         | 18.05   | 18.07   | 18.04   | 19.00   |
|           |            | 1       | 2         | 17.94   | 18.04   | 18.03   | 19.00   |
|           |            | 1       | 5         | 17.92   | 17.85   | 17.84   | 19.00   |
|           |            | 3       | 0         | 17.80   | 18.11   | 18.06   | 19.00   |
|           |            | 3       | 1         | 17.98   | 18.06   | 18.09   | 19.00   |
|           |            | 3       | 3         | 17.98   | 18.13   | 18.07   | 19.00   |
|           |            | 6       | 0         | 18.01   | 17.93   | 17.98   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131987  | 132322  | 132657  |         |
| 3MHz      | QPSK       | 1       | 0         | 19.04   | 19.08   | 18.92   | 20.00   |
|           |            | 1       | 7         | 18.91   | 19.07   | 18.97   | 20.00   |
|           |            | 1       | 14        | 19.01   | 19.02   | 18.95   | 20.00   |
|           |            | 8       | 0         | 18.93   | 19.12   | 18.93   | 20.00   |
|           |            | 8       | 4         | 19.02   | 19.02   | 19.06   | 20.00   |
|           |            | 8       | 7         | 18.95   | 19.04   | 18.91   | 20.00   |
|           | 16QAM      | 15      | 0         | 18.95   | 19.02   | 18.88   | 20.00   |
|           |            | 1       | 0         | 18.92   | 18.97   | 19.01   | 20.00   |
|           |            | 1       | 7         | 18.98   | 18.93   | 18.97   | 20.00   |
|           |            | 1       | 14        | 18.98   | 19.06   | 19.08   | 20.00   |
|           |            | 8       | 0         | 18.94   | 19.00   | 19.01   | 20.00   |
|           |            | 8       | 4         | 19.05   | 19.08   | 18.99   | 20.00   |
|           | 64QAM      | 8       | 7         | 18.88   | 18.99   | 18.91   | 20.00   |
|           |            | 15      | 0         | 18.95   | 19.06   | 19.02   | 20.00   |
|           |            | 1       | 0         | 18.98   | 19.04   | 19.01   | 20.00   |
|           |            | 1       | 7         | 19.07   | 19.02   | 18.91   | 20.00   |
|           |            | 1       | 14        | 19.03   | 19.07   | 18.99   | 20.00   |
|           |            | 8       | 0         | 19.01   | 19.01   | 18.97   | 20.00   |
|           | 256QAM     | 8       | 4         | 18.91   | 19.12   | 19.02   | 20.00   |
|           |            | 8       | 7         | 19.04   | 19.09   | 18.86   | 20.00   |
|           |            | 15      | 0         | 18.99   | 19.06   | 19.00   | 20.00   |
|           |            | 1       | 0         | 17.97   | 18.01   | 18.05   | 19.00   |
|           |            | 1       | 7         | 17.87   | 18.04   | 18.15   | 19.00   |
|           |            | 1       | 14        | 17.93   | 17.82   | 17.80   | 19.00   |
| 5MHz      | QPSK       | 8       | 0         | 17.94   | 18.12   | 18.14   | 19.00   |
|           |            | 8       | 4         | 18.05   | 18.01   | 18.10   | 19.00   |
|           |            | 8       | 7         | 17.91   | 18.04   | 18.05   | 19.00   |
|           |            | 15      | 0         | 18.03   | 18.00   | 17.98   | 19.00   |
|           | 16QAM      | 1       | 0         | 19.07   | 19.12   | 18.97   | 20.00   |
|           |            | 1       | 13        | 18.90   | 19.11   | 18.97   | 20.00   |
|           |            | 1       | 24        | 18.97   | 19.06   | 18.88   | 20.00   |
|           |            | 12      | 0         | 18.98   | 19.09   | 18.97   | 20.00   |
|           |            | 12      | 6         | 18.96   | 19.01   | 18.98   | 20.00   |
|           |            | 12      | 13        | 18.96   | 19.07   | 19.03   | 20.00   |
|           | 64QAM      | 25      | 0         | 19.05   | 19.08   | 18.89   | 20.00   |
|           |            | 1       | 0         | 19.01   | 19.00   | 19.04   | 20.00   |
|           |            | 1       | 13        | 18.99   | 19.01   | 18.95   | 20.00   |
|           |            | 1       | 24        | 18.94   | 19.09   | 19.01   | 20.00   |
|           |            | 12      | 0         | 19.06   | 19.07   | 18.99   | 20.00   |
|           |            | 12      | 6         | 18.99   | 19.07   | 18.99   | 20.00   |
|           |            | 12      | 13        | 18.95   | 18.96   | 18.91   | 20.00   |
|           |            | 25      | 0         | 19.08   | 19.05   | 18.94   | 20.00   |
|           |            | 1       | 0         | 18.86   | 19.12   | 19.07   | 20.00   |
|           |            | 1       | 13        | 18.97   | 19.04   | 18.92   | 20.00   |
|           |            | 1       | 24        | 19.02   | 19.08   | 19.02   | 20.00   |
|           |            | 12      | 0         | 19.10   | 18.98   | 19.05   | 20.00   |
|           |            | 12      | 6         | 18.95   | 19.08   | 18.93   | 20.00   |
|           |            | 12      | 13        | 19.03   | 19.06   | 18.90   | 20.00   |
|           |            | 25      | 0         | 18.97   | 19.02   | 19.00   | 20.00   |

|           |            | 1       | 0         | 18.01             | 18.06             | 18.06             | 19.00   |
|-----------|------------|---------|-----------|-------------------|-------------------|-------------------|---------|
|           |            | 1       | 13        | 17.89             | 18.03             | 18.11             | 19.00   |
|           |            | 1       | 24        | 17.97             | 17.83             | 17.81             | 19.00   |
|           | 256QAM     | 12      | 0         | 17.83             | 18.10             | 18.15             | 19.00   |
|           |            | 12      | 6         | 18.03             | 17.96             | 18.12             | 19.00   |
|           |            | 12      | 13        | 17.93             | 18.04             | 18.08             | 19.00   |
|           |            | 25      | 0         | 18.02             | 18.06             | 17.92             | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>132022 | Channel<br>132322 | Channel<br>132622 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 19.07             | 19.07             | 18.93             | 20.00   |
|           |            | 1       | 25        | 18.89             | 18.99             | 18.94             | 20.00   |
|           |            | 1       | 49        | 19.05             | 18.98             | 18.85             | 20.00   |
|           |            | 25      | 0         | 18.87             | 19.03             | 19.02             | 20.00   |
|           |            | 25      | 13        | 19.07             | 18.97             | 18.93             | 20.00   |
|           |            | 25      | 25        | 18.94             | 19.01             | 18.99             | 20.00   |
|           | 16QAM      | 50      | 0         | 18.95             | 19.03             | 19.01             | 20.00   |
|           |            | 1       | 0         | 18.91             | 18.96             | 19.03             | 20.00   |
|           |            | 1       | 25        | 19.05             | 18.96             | 19.01             | 20.00   |
|           |            | 1       | 49        | 18.98             | 19.06             | 19.03             | 20.00   |
|           |            | 25      | 0         | 18.94             | 19.06             | 19.03             | 20.00   |
|           |            | 25      | 13        | 18.99             | 19.09             | 19.01             | 20.00   |
|           | 64QAM      | 25      | 25        | 19.01             | 19.00             | 18.90             | 20.00   |
|           |            | 50      | 0         | 19.05             | 18.94             | 19.03             | 20.00   |
|           |            | 1       | 0         | 18.93             | 19.08             | 19.00             | 20.00   |
|           |            | 1       | 25        | 19.03             | 19.05             | 18.90             | 20.00   |
|           |            | 1       | 49        | 19.10             | 19.03             | 19.01             | 20.00   |
|           |            | 25      | 0         | 19.10             | 18.88             | 18.94             | 20.00   |
|           | 256QAM     | 25      | 13        | 18.94             | 19.06             | 19.03             | 20.00   |
|           |            | 25      | 25        | 18.94             | 19.05             | 18.93             | 20.00   |
|           |            | 50      | 0         | 18.97             | 19.06             | 19.01             | 20.00   |
|           |            | 1       | 0         | 17.93             | 18.03             | 18.00             | 19.00   |
|           |            | 1       | 25        | 17.90             | 18.03             | 18.07             | 19.00   |
|           |            | 1       | 49        | 17.92             | 17.93             | 17.90             | 19.00   |
| 15MHz     | QPSK       | 25      | 0         | 17.91             | 18.08             | 18.09             | 19.00   |
|           |            | 25      | 13        | 18.07             | 18.01             | 18.11             | 19.00   |
|           |            | 25      | 25        | 18.02             | 18.05             | 18.01             | 19.00   |
|           |            | 50      | 0         | 17.99             | 17.95             | 17.93             | 19.00   |
|           | 16QAM      | 1       | 0         | 19.08             | 19.04             | 18.90             | 20.00   |
|           |            | 1       | 38        | 18.91             | 18.98             | 18.99             | 20.00   |
|           |            | 1       | 74        | 18.93             | 18.99             | 18.98             | 20.00   |
|           |            | 36      | 0         | 18.95             | 19.00             | 18.93             | 20.00   |
|           |            | 36      | 18        | 19.05             | 19.09             | 19.04             | 20.00   |
|           |            | 36      | 39        | 18.95             | 18.93             | 19.02             | 20.00   |
|           | 64QAM      | 75      | 0         | 19.04             | 19.02             | 19.01             | 20.00   |
|           |            | 1       | 0         | 19.01             | 18.99             | 19.03             | 20.00   |
|           |            | 1       | 38        | 18.97             | 18.96             | 18.96             | 20.00   |
|           |            | 1       | 74        | 19.01             | 19.03             | 19.04             | 20.00   |
|           |            | 36      | 0         | 18.96             | 19.05             | 18.90             | 20.00   |
|           |            | 36      | 18        | 18.99             | 19.05             | 19.01             | 20.00   |
|           | 256QAM     | 36      | 39        | 18.90             | 18.97             | 18.92             | 20.00   |
|           |            | 75      | 0         | 19.04             | 18.96             | 19.00             | 20.00   |
|           |            | 1       | 0         | 18.88             | 19.06             | 19.04             | 20.00   |
|           |            | 1       | 38        | 19.05             | 18.99             | 18.98             | 20.00   |
|           |            | 1       | 74        | 18.99             | 19.06             | 19.02             | 20.00   |
|           |            | 36      | 0         | 19.05             | 18.95             | 19.02             | 20.00   |
| 20MHz     | QPSK       | 36      | 18        | 19.01             | 19.15             | 19.05             | 20.00   |
|           |            | 36      | 39        | 18.99             | 19.11             | 18.85             | 20.00   |
|           |            | 75      | 0         | 19.00             | 19.12             | 18.94             | 20.00   |
|           |            | 1       | 0         | 17.96             | 18.04             | 17.92             | 19.00   |
|           |            | 1       | 38        | 17.87             | 17.96             | 18.16             | 19.00   |
|           |            | 1       | 74        | 17.94             | 17.83             | 17.81             | 19.00   |
|           | 16QAM      | 36      | 0         | 17.88             | 18.06             | 18.09             | 19.00   |
|           |            | 36      | 18        | 17.97             | 18.07             | 18.15             | 19.00   |
|           |            | 36      | 39        | 17.89             | 18.05             | 18.00             | 19.00   |
|           |            | 75      | 0         | 18.06             | 18.00             | 17.95             | 19.00   |
|           | 64QAM      | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
| 20MHz     | 256QAM     | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           | 16QAM      | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           | 64QAM      | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
| 20MHz     | 256QAM     | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           | 16QAM      | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           | 64QAM      | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
| 20MHz     | 256QAM     | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           | 16QAM      | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           | 64QAM      | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
| 20MHz     | 256QAM     | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           | 16QAM      | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           | 64QAM      | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
| 20MHz     | 256QAM     | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           | 16QAM      | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |
|           |            | 36      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 36      | 18        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 36      | 39        | 19.19             | 19.19             | 19.04             | 20.00   |
|           | 64QAM      | 75      | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 0         | 19.16             | 19.17             | 19.02             | 20.00   |
|           |            | 1       | 38        | 19.17             | 19.18             | 19.03             | 20.00   |
|           |            | 1       | 74        | 19.19             | 19.19             | 19.04             | 20.00   |