



**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: AR/2020/9001007

| LTE Band 7 Receiver off+Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                   |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                              | QPSK       | 1       | 0         | 19.67                | 19.78   | 19.62   | 21.00   |
|                                   |            | 1       | 13        | 19.92                | 20.01   | 19.70   | 21.00   |
|                                   |            | 1       | 24        | 19.14                | 19.90   | 19.71   | 21.00   |
|                                   |            | 12      | 0         | 19.82                | 20.05   | 19.66   | 21.00   |
|                                   |            | 12      | 6         | 19.90                | 19.98   | 19.82   | 21.00   |
|                                   |            | 12      | 13        | 19.90                | 19.94   | 19.68   | 21.00   |
|                                   |            | 25      | 0         | 19.93                | 19.91   | 19.82   | 21.00   |
|                                   | 16QAM      | 1       | 0         | 19.66                | 19.67   | 19.73   | 21.00   |
|                                   |            | 1       | 13        | 19.87                | 19.55   | 19.99   | 21.00   |
|                                   |            | 1       | 24        | 19.45                | 19.56   | 19.84   | 21.00   |
|                                   |            | 12      | 0         | 19.96                | 20.02   | 19.81   | 21.00   |
|                                   |            | 12      | 6         | 20.02                | 19.90   | 19.79   | 21.00   |
|                                   |            | 12      | 13        | 19.94                | 19.96   | 19.79   | 21.00   |
|                                   |            | 25      | 0         | 19.97                | 19.94   | 19.66   | 21.00   |
|                                   | 64QAM      | 1       | 0         | 19.62                | 19.65   | 19.72   | 21.00   |
|                                   |            | 1       | 13        | 19.85                | 19.51   | 19.94   | 21.00   |
|                                   |            | 1       | 24        | 19.45                | 19.51   | 19.80   | 21.00   |
|                                   |            | 12      | 0         | 19.93                | 20.01   | 19.79   | 21.00   |
|                                   |            | 12      | 6         | 19.99                | 19.85   | 19.74   | 21.00   |
|                                   |            | 12      | 13        | 19.89                | 19.91   | 19.79   | 21.00   |
|                                   |            | 25      | 0         | 19.97                | 19.90   | 19.61   | 21.00   |
| Bandwidth                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz                             | QPSK       | 1       | 0         | 19.93                | 19.92   | 19.79   | 21.00   |
|                                   |            | 1       | 25        | 19.77                | 19.94   | 19.69   | 21.00   |
|                                   |            | 1       | 49        | 19.79                | 19.99   | 19.82   | 21.00   |
|                                   |            | 25      | 0         | 19.87                | 20.02   | 19.76   | 21.00   |
|                                   |            | 25      | 13        | 19.87                | 19.85   | 19.78   | 21.00   |
|                                   |            | 25      | 25        | 19.92                | 19.85   | 19.85   | 21.00   |
|                                   |            | 50      | 0         | 19.97                | 19.92   | 19.80   | 21.00   |
|                                   | 16QAM      | 1       | 0         | 19.78                | 19.71   | 19.74   | 21.00   |
|                                   |            | 1       | 25        | 19.76                | 19.65   | 19.87   | 21.00   |
|                                   |            | 1       | 49        | 19.85                | 19.45   | 19.88   | 21.00   |
|                                   |            | 25      | 0         | 19.99                | 19.77   | 19.74   | 21.00   |
|                                   |            | 25      | 13        | 19.88                | 19.86   | 19.65   | 21.00   |
|                                   |            | 25      | 25        | 19.94                | 19.96   | 19.75   | 21.00   |
|                                   |            | 50      | 0         | 19.83                | 19.94   | 19.73   | 21.00   |
|                                   | 64QAM      | 1       | 0         | 19.63                | 19.65   | 19.69   | 21.00   |
|                                   |            | 1       | 25        | 19.82                | 19.51   | 19.98   | 21.00   |
|                                   |            | 1       | 49        | 19.40                | 19.55   | 19.80   | 21.00   |
|                                   |            | 25      | 0         | 19.92                | 19.97   | 19.81   | 21.00   |
|                                   |            | 25      | 13        | 19.97                | 19.89   | 19.76   | 21.00   |
|                                   |            | 25      | 25        | 19.89                | 19.94   | 19.78   | 21.00   |
|                                   |            | 50      | 0         | 19.97                | 19.94   | 19.62   | 21.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            |         |           | 20825   | 21100        | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.82   | 19.61        | 19.65   | 21.00   |
|           |            | 1       | 38        | 19.45   | 19.80        | 19.56   | 21.00   |
|           |            | 1       | 74        | 19.55   | 19.35        | 19.54   | 21.00   |
|           |            | 36      | 0         | 19.31   | 19.29        | 19.16   | 21.00   |
|           |            | 36      | 18        | 19.39   | 19.30        | 19.05   | 21.00   |
|           |            | 36      | 39        | 19.39   | 19.29        | 19.00   | 21.00   |
|           |            | 75      | 0         | 19.39   | 19.25        | 19.10   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.38   | 19.63        | 19.45   | 21.00   |
|           |            | 1       | 38        | 19.41   | 19.65        | 19.53   | 21.00   |
|           |            | 1       | 74        | 19.56   | 19.44        | 19.59   | 21.00   |
|           |            | 36      | 0         | 19.16   | 19.25        | 19.06   | 21.00   |
|           |            | 36      | 18        | 19.26   | 19.31        | 19.06   | 21.00   |
|           |            | 36      | 39        | 19.35   | 19.36        | 19.03   | 21.00   |
|           |            | 75      | 0         | 19.27   | 19.26        | 19.13   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.63   | 19.64        | 19.68   | 21.00   |
|           |            | 1       | 38        | 19.85   | 19.50        | 19.96   | 21.00   |
|           |            | 1       | 74        | 19.42   | 19.54        | 19.79   | 21.00   |
|           |            | 36      | 0         | 19.91   | 20.00        | 19.81   | 21.00   |
|           |            | 36      | 18        | 20.01   | 19.87        | 19.76   | 21.00   |
|           |            | 36      | 39        | 19.90   | 19.96        | 19.78   | 21.00   |
|           |            | 75      | 0         | 19.94   | 19.94        | 19.64   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 20.12   | 19.45        | 19.57   | 21.00   |
|           |            | 1       | 50        | 19.98   | <b>20.12</b> | 19.66   | 21.00   |
|           |            | 1       | 99        | 19.65   | 19.87        | 19.65   | 21.00   |
|           |            | 50      | 0         | 19.56   | <b>19.66</b> | 19.65   | 21.00   |
|           |            | 50      | 25        | 19.55   | 19.55        | 19.55   | 21.00   |
|           |            | 50      | 50        | 19.37   | 19.28        | 19.45   | 21.00   |
|           |            | 100     | 0         | 19.47   | 19.23        | 19.45   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.39   | 19.48        | 19.45   | 21.00   |
|           |            | 1       | 50        | 19.44   | 19.69        | 19.45   | 21.00   |
|           |            | 1       | 99        | 19.45   | 19.22        | 19.53   | 21.00   |
|           |            | 50      | 0         | 19.47   | 19.37        | 19.17   | 21.00   |
|           |            | 50      | 25        | 19.36   | 19.26        | 19.05   | 21.00   |
|           |            | 50      | 50        | 19.41   | 19.08        | 19.12   | 21.00   |
|           |            | 100     | 0         | 19.39   | 19.23        | 19.04   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.66   | 19.66        | 19.72   | 21.00   |
|           |            | 1       | 50        | 19.85   | 19.51        | 19.95   | 21.00   |
|           |            | 1       | 99        | 19.42   | 19.55        | 19.81   | 21.00   |
|           |            | 50      | 0         | 19.92   | 19.99        | 19.77   | 21.00   |
|           |            | 50      | 25        | 20.00   | 19.87        | 19.75   | 21.00   |
|           |            | 50      | 50        | 19.89   | 19.94        | 19.79   | 21.00   |
|           |            | 100     | 0         | 19.92   | 19.94        | 19.63   | 21.00   |



| LTE Band 38 Receiver on&Receiver off+Sensor off |            |         |           | Conducted Power(dBm) |         |         |         |       |
|---|------------|---------|-----------|----------------------|---------|---------|---------|-------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |       |
|   |            |         |           | 37775                | 38000   | 38225   |         |       |
| 5MHz  | QPSK       | 1       | 0         | 23.73                | 23.89   | 23.92   | 25.00   |       |
|   |            | 1       | 13        | 23.64                | 23.82   | 23.81   | 25.00   |       |
|   |            | 1       | 24        | 23.83                | 23.87   | 23.78   | 25.00   |       |
|   |            | 12      | 0         | 22.89                | 23.07   | 22.73   | 24.00   |       |
|   |            | 12      | 6         | 23.03                | 22.93   | 22.77   | 24.00   |       |
|   |            | 12      | 13        | 23.15                | 22.75   | 22.69   | 24.00   |       |
|   | 16QAM      | 25      | 0         | 22.99                | 22.90   | 22.71   | 24.00   |       |
|   |            | 1       | 0         | 22.91                | 22.93   | 22.63   | 24.00   |       |
|   |            | 1       | 13        | 23.02                | 22.94   | 22.94   | 24.00   |       |
|   |            | 1       | 24        | 22.93                | 23.07   | 22.75   | 24.00   |       |
|   |            | 12      | 0         | 22.08                | 21.94   | 21.70   | 23.00   |       |
|   |            | 12      | 6         | 22.08                | 21.88   | 21.73   | 23.00   |       |
|   | 64QAM      | 12      | 13        | 22.12                | 21.90   | 21.74   | 23.00   |       |
|   |            | 25      | 0         | 22.01                | 21.83   | 21.65   | 23.00   |       |
|   |            | 1       | 0         | 21.87                | 22.13   | 22.64   | 23.00   |       |
|   |            | 1       | 13        | 21.96                | 22.61   | 22.17   | 23.00   |       |
|   |            | 1       | 24        | 22.00                | 22.09   | 22.44   | 23.00   |       |
|   |            | 12      | 0         | 20.92                | 20.99   | 21.03   | 22.00   |       |
|   | 10MHz      | QPSK    | 12        | 6                    | 21.47   | 21.16   | 21.06   | 22.00 |
|   |            |         | 12        | 13                   | 21.24   | 20.92   | 21.13   | 22.00 |
|   |            |         | 25        | 0                    | 21.30   | 21.16   | 21.09   | 22.00 |
| 1   |            |         | 0         | 23.76                | 23.89   | 23.90   | 25.00   |       |
| 1   |            |         | 25        | 23.65                | 23.82   | 23.83   | 25.00   |       |
| 1   |            |         | 49        | 23.79                | 23.86   | 23.78   | 25.00   |       |
| 16QAM   |            | 25      | 0         | 22.93                | 23.11   | 22.77   | 24.00   |       |
|   |            | 25      | 13        | 23.06                | 22.93   | 22.76   | 24.00   |       |
|   |            | 25      | 25        | 23.11                | 22.77   | 22.70   | 24.00   |       |
|   |            | 50      | 0         | 23.03                | 22.94   | 22.69   | 24.00   |       |
|   |            | 1       | 0         | 22.90                | 22.95   | 22.65   | 24.00   |       |
|   |            | 1       | 25        | 23.03                | 22.95   | 22.92   | 24.00   |       |
| 64QAM   |            | 1       | 49        | 22.92                | 23.06   | 22.73   | 24.00   |       |
|   |            | 25      | 0         | 22.12                | 21.90   | 21.70   | 23.00   |       |
|   |            | 25      | 13        | 22.04                | 21.89   | 21.70   | 23.00   |       |
|   | 25         | 25      | 22.12     | 21.92                | 21.76   | 23.00   |         |       |
|   | 50         | 0       | 22.00     | 21.83                | 21.62   | 23.00   |         |       |
|   | 1          | 0       | 21.88     | 22.10                | 22.64   | 23.00   |         |       |
| 64QAM   | 1          | 25      | 21.93     | 22.61                | 22.15   | 23.00   |         |       |
|   | 1          | 49      | 21.98     | 22.13                | 22.39   | 23.00   |         |       |
|   | 25         | 0       | 20.89     | 21.00                | 21.03   | 22.00   |         |       |
|   | 25         | 13      | 21.47     | 21.16                | 21.11   | 22.00   |         |       |
|   | 25         | 25      | 21.23     | 20.95                | 21.16   | 22.00   |         |       |
|   | 50         | 0       | 21.30     | 21.15                | 21.09   | 22.00   |         |       |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            |         |           | 37825   | 38000        | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.76   | 23.92        | 23.92   | 25.00   |
|           |            | 1       | 38        | 23.63   | 23.84        | 23.83   | 25.00   |
|           |            | 1       | 74        | 23.84   | 23.83        | 23.77   | 25.00   |
|           |            | 36      | 0         | 22.89   | 23.09        | 22.75   | 24.00   |
|           |            | 36      | 18        | 23.02   | 22.95        | 22.80   | 24.00   |
|           |            | 36      | 39        | 23.12   | 22.74        | 22.68   | 24.00   |
|           |            | 75      | 0         | 23.00   | 22.92        | 22.67   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.91   | 22.93        | 22.66   | 24.00   |
|           |            | 1       | 38        | 23.03   | 22.96        | 22.90   | 24.00   |
|           |            | 1       | 74        | 22.91   | 23.04        | 22.72   | 24.00   |
|           |            | 36      | 0         | 22.09   | 21.94        | 21.68   | 23.00   |
|           |            | 36      | 18        | 22.08   | 21.90        | 21.71   | 23.00   |
|           |            | 36      | 39        | 22.14   | 21.90        | 21.73   | 23.00   |
|           |            | 75      | 0         | 22.04   | 21.86        | 21.61   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.89   | 22.15        | 22.63   | 23.00   |
|           |            | 1       | 38        | 21.96   | 22.62        | 22.18   | 23.00   |
|           |            | 1       | 74        | 22.01   | 22.10        | 22.41   | 23.00   |
|           |            | 36      | 0         | 20.88   | 20.99        | 21.00   | 22.00   |
|           |            | 36      | 18        | 21.47   | 21.15        | 21.08   | 22.00   |
|           |            | 36      | 39        | 21.23   | 20.94        | 21.13   | 22.00   |
|           |            | 75      | 0         | 21.31   | 21.17        | 21.11   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|           |            |         |           | 37850   | 38000        | 38150   |         |
| 20MHz     | QPSK       | 1       | 0         | 23.78   | 23.85        | 23.84   | 25.00   |
|           |            | 1       | 50        | 23.94   | <b>23.94</b> | 23.92   | 25.00   |
|           |            | 1       | 99        | 23.64   | 23.87        | 23.80   | 25.00   |
|           |            | 50      | 0         | 23.10   | <b>23.16</b> | 22.82   | 24.00   |
|           |            | 50      | 25        | 22.94   | 22.98        | 22.80   | 24.00   |
|           |            | 50      | 50        | 23.05   | 22.78        | 22.72   | 24.00   |
|           |            | 100     | 0         | 23.04   | 22.95        | 22.71   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.95   | 22.95        | 22.68   | 24.00   |
|           |            | 1       | 50        | 23.07   | 22.99        | 22.94   | 24.00   |
|           |            | 1       | 99        | 22.95   | 23.09        | 22.77   | 24.00   |
|           |            | 50      | 0         | 22.12   | 21.95        | 21.71   | 23.00   |
|           |            | 50      | 25        | 22.08   | 21.90        | 21.74   | 23.00   |
|           |            | 50      | 50        | 22.16   | 21.92        | 21.78   | 23.00   |
|           |            | 100     | 0         | 22.05   | 21.88        | 21.65   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.86   | 22.10        | 22.63   | 23.00   |
|           |            | 1       | 50        | 21.97   | 22.59        | 22.18   | 23.00   |
|           |            | 1       | 99        | 22.00   | 22.12        | 22.42   | 23.00   |
|           |            | 50      | 0         | 20.91   | 20.98        | 21.00   | 22.00   |
|           |            | 50      | 25        | 21.48   | 21.14        | 21.06   | 22.00   |
|           |            | 50      | 50        | 21.27   | 20.90        | 21.14   | 22.00   |
|           |            | 100     | 0         | 21.29   | 21.18        | 21.09   | 22.00   |



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| LTE Band 38 Receiver off+Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz                               | QPSK       | 1       | 0         | 20.57                | 21.06   | 20.81   | 22.00   |
|                                    |            | 1       | 13        | 20.89                | 20.68   | 20.90   | 22.00   |
|                                    |            | 1       | 24        | 20.22                | 20.67   | 20.60   | 22.00   |
|                                    |            | 12      | 0         | 20.84                | 20.63   | 20.44   | 22.00   |
|                                    |            | 12      | 6         | 20.98                | 20.74   | 20.49   | 22.00   |
|                                    |            | 12      | 13        | 20.81                | 20.50   | 20.46   | 22.00   |
|                                    | 16QAM      | 25      | 0         | 20.84                | 20.65   | 20.47   | 22.00   |
|                                    |            | 1       | 0         | 20.77                | 20.76   | 20.37   | 22.00   |
|                                    |            | 1       | 13        | 20.92                | 20.65   | 20.52   | 22.00   |
|                                    |            | 1       | 24        | 20.22                | 20.66   | 20.60   | 22.00   |
|                                    |            | 12      | 0         | 20.79                | 20.67   | 20.55   | 22.00   |
|                                    |            | 12      | 6         | 20.95                | 20.74   | 20.53   | 22.00   |
|                                    | 64QAM      | 12      | 13        | 20.99                | 20.52   | 20.49   | 22.00   |
|                                    |            | 25      | 0         | 20.79                | 20.68   | 20.53   | 22.00   |
|                                    |            | 1       | 0         | 20.76                | 20.71   | 20.33   | 22.00   |
|                                    |            | 1       | 13        | 20.88                | 20.63   | 20.47   | 22.00   |
|                                    |            | 1       | 24        | 20.22                | 20.61   | 20.55   | 22.00   |
|                                    |            | 12      | 0         | 20.78                | 20.62   | 20.52   | 22.00   |
| 10MHz                              | QPSK       | 12      | 6         | 20.95                | 20.73   | 20.49   | 22.00   |
|                                    |            | 12      | 13        | 20.98                | 20.48   | 20.46   | 22.00   |
|                                    |            | 25      | 0         | 20.78                | 20.67   | 20.50   | 22.00   |
|                                    |            | 1       | 0         | 20.57                | 21.04   | 20.84   | 22.00   |
|                                    |            | 1       | 25        | 20.92                | 20.68   | 20.92   | 22.00   |
|                                    |            | 1       | 49        | 20.23                | 20.66   | 20.57   | 22.00   |
|                                    | 16QAM      | 25      | 0         | 20.85                | 20.62   | 20.43   | 22.00   |
|                                    |            | 25      | 13        | 20.98                | 20.71   | 20.50   | 22.00   |
|                                    |            | 25      | 25        | 20.85                | 20.52   | 20.44   | 22.00   |
|                                    |            | 50      | 0         | 20.82                | 20.68   | 20.48   | 22.00   |
|                                    |            | 1       | 0         | 20.80                | 20.79   | 20.40   | 22.00   |
|                                    |            | 1       | 25        | 20.94                | 20.63   | 20.51   | 22.00   |
|                                    | 64QAM      | 1       | 49        | 20.22                | 20.65   | 20.63   | 22.00   |
|                                    |            | 25      | 0         | 20.77                | 20.66   | 20.56   | 22.00   |
|                                    |            | 25      | 13        | 20.93                | 20.71   | 20.53   | 22.00   |
|                                    |            | 25      | 25        | 21.01                | 20.50   | 20.48   | 22.00   |
|                                    |            | 50      | 0         | 20.77                | 20.67   | 20.53   | 22.00   |
|                                    |            | 1       | 0         | 20.73                | 20.76   | 20.34   | 22.00   |
| 10MHz                              | 64QAM      | 1       | 25        | 20.88                | 20.65   | 20.49   | 22.00   |
|                                    |            | 1       | 49        | 20.20                | 20.66   | 20.57   | 22.00   |
|                                    |            | 25      | 0         | 20.78                | 20.62   | 20.55   | 22.00   |
|                                    |            | 25      | 13        | 20.95                | 20.73   | 20.53   | 22.00   |
|                                    |            | 25      | 25        | 20.99                | 20.48   | 20.48   | 22.00   |
|                                    |            | 50      | 0         | 20.78                | 20.68   | 20.49   | 22.00   |



| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            |         |           | 37825   | 38000        | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.57   | 21.07        | 20.81   | 22.00   |
|           |            | 1       | 38        | 20.91   | 20.69        | 20.93   | 22.00   |
|           |            | 1       | 74        | 20.23   | 20.68        | 20.60   | 22.00   |
|           |            | 36      | 0         | 20.80   | 20.67        | 20.45   | 22.00   |
|           |            | 36      | 18        | 20.98   | 20.70        | 20.47   | 22.00   |
|           |            | 36      | 39        | 20.82   | 20.51        | 20.46   | 22.00   |
|           |            | 75      | 0         | 20.81   | 20.66        | 20.49   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.79   | 20.80        | 20.37   | 22.00   |
|           |            | 1       | 38        | 20.92   | 20.62        | 20.51   | 22.00   |
|           |            | 1       | 74        | 20.26   | 20.66        | 20.65   | 22.00   |
|           |            | 36      | 0         | 20.78   | 20.64        | 20.55   | 22.00   |
|           |            | 36      | 18        | 20.98   | 20.72        | 20.52   | 22.00   |
|           |            | 36      | 39        | 21.01   | 20.50        | 20.49   | 22.00   |
|           |            | 75      | 0         | 20.79   | 20.70        | 20.50   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.74   | 20.73        | 20.32   | 22.00   |
|           |            | 1       | 38        | 20.91   | 20.61        | 20.48   | 22.00   |
|           |            | 1       | 74        | 20.17   | 20.66        | 20.55   | 22.00   |
|           |            | 36      | 0         | 20.74   | 20.64        | 20.52   | 22.00   |
|           |            | 36      | 18        | 20.92   | 20.69        | 20.51   | 22.00   |
|           |            | 36      | 39        | 20.97   | 20.50        | 20.47   | 22.00   |
|           |            | 75      | 0         | 20.78   | 20.67        | 20.53   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.01   | 21.09        | 21.25   | 22.00   |
|           |            | 1       | 50        | 21.45   | <b>21.45</b> | 21.40   | 22.00   |
|           |            | 1       | 99        | 20.65   | 21.11        | 21.00   | 22.00   |
|           |            | 50      | 0         | 21.35   | <b>21.40</b> | 20.95   | 22.00   |
|           |            | 50      | 25        | 21.21   | 21.14        | 20.91   | 22.00   |
|           |            | 50      | 50        | 21.25   | 20.94        | 20.87   | 22.00   |
|           |            | 100     | 0         | 21.24   | 21.10        | 20.89   | 22.00   |
|           | 16QAM      | 1       | 0         | 21.22   | 21.21        | 20.80   | 22.00   |
|           |            | 1       | 50        | 21.37   | 21.06        | 20.94   | 22.00   |
|           |            | 1       | 99        | 20.63   | 21.06        | 21.05   | 22.00   |
|           |            | 50      | 0         | 21.20   | 21.09        | 20.98   | 22.00   |
|           |            | 50      | 25        | 21.38   | 21.16        | 20.93   | 22.00   |
|           |            | 50      | 50        | 21.43   | 20.95        | 20.91   | 22.00   |
|           |            | 100     | 0         | 21.21   | 21.12        | 20.93   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.17   | 21.12        | 20.74   | 22.00   |
|           |            | 1       | 50        | 20.88   | 20.64        | 20.48   | 22.00   |
|           |            | 1       | 99        | 20.18   | 20.66        | 20.58   | 22.00   |
|           |            | 50      | 0         | 20.77   | 20.65        | 20.53   | 22.00   |
|           |            | 50      | 25        | 20.92   | 20.72        | 20.51   | 22.00   |
|           |            | 50      | 50        | 20.97   | 20.52        | 20.46   | 22.00   |
|           |            | 100     | 0         | 20.77   | 20.63        | 20.52   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.01   | 21.09        | 21.25   | 22.00   |
|           |            | 1       | 50        | 21.45   | <b>21.45</b> | 21.40   | 22.00   |
|           |            | 1       | 99        | 20.65   | 21.11        | 21.00   | 22.00   |
|           |            | 50      | 0         | 21.35   | <b>21.40</b> | 20.95   | 22.00   |
|           |            | 50      | 25        | 21.21   | 21.14        | 20.91   | 22.00   |
|           |            | 50      | 50        | 21.25   | 20.94        | 20.87   | 22.00   |
|           |            | 100     | 0         | 21.24   | 21.10        | 20.89   | 22.00   |
|           | 16QAM      | 1       | 0         | 21.22   | 21.21        | 20.80   | 22.00   |
|           |            | 1       | 50        | 21.37   | 21.06        | 20.94   | 22.00   |
|           |            | 1       | 99        | 20.63   | 21.06        | 21.05   | 22.00   |
|           |            | 50      | 0         | 21.20   | 21.09        | 20.98   | 22.00   |
|           |            | 50      | 25        | 21.38   | 21.16        | 20.93   | 22.00   |
|           |            | 50      | 50        | 21.43   | 20.95        | 20.91   | 22.00   |
|           |            | 100     | 0         | 21.21   | 21.12        | 20.93   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.17   | 21.12        | 20.74   | 22.00   |
|           |            | 1       | 50        | 20.88   | 20.64        | 20.48   | 22.00   |
|           |            | 1       | 99        | 20.18   | 20.66        | 20.58   | 22.00   |
|           |            | 50      | 0         | 20.77   | 20.65        | 20.53   | 22.00   |
|           |            | 50      | 25        | 20.92   | 20.72        | 20.51   | 22.00   |
|           |            | 50      | 50        | 20.97   | 20.52        | 20.46   | 22.00   |
|           |            | 100     | 0         | 20.77   | 20.63        | 20.52   | 22.00   |



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| LTE Band 41 Receiver on&Receiver off+Sensor off |            |         |           | Conducted Power(dBm) |         |         |         | Tune up |       |
|---|------------|---------|-----------|----------------------|---------|---------|---------|---------|-------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel |         |       |
|   |            |         |           | 40065                | 40448   | 40832   | 41215   |         |       |
| 5MHz  | QPSK       | 1       | 0         | 23.54                | 23.87   | 23.84   | 23.81   | 25.00   |       |
|   |            | 1       | 13        | 23.66                | 23.50   | 23.59   | 23.57   | 25.00   |       |
|   |            | 1       | 24        | 23.70                | 23.64   | 23.76   | 23.76   | 25.00   |       |
|   |            | 12      | 0         | 22.86                | 23.00   | 22.92   | 22.92   | 24.00   |       |
|   |            | 12      | 6         | 22.98                | 22.93   | 22.77   | 22.72   | 24.00   |       |
|   |            | 12      | 13        | 22.97                | 22.71   | 22.80   | 22.75   | 24.00   |       |
|   | 16QAM      | 25      | 0         | 23.01                | 22.91   | 22.81   | 22.79   | 24.00   |       |
|   |            | 1       | 0         | 22.79                | 22.64   | 22.73   | 22.68   | 24.00   |       |
|   |            | 1       | 13        | 22.78                | 22.63   | 22.81   | 22.81   | 24.00   |       |
|   |            | 1       | 24        | 22.83                | 22.80   | 22.81   | 22.79   | 24.00   |       |
|   |            | 12      | 0         | 21.93                | 21.76   | 21.97   | 21.94   | 23.00   |       |
|   |            | 12      | 6         | 22.12                | 21.92   | 21.82   | 21.81   | 23.00   |       |
|   | 64QAM      | 12      | 13        | 22.04                | 21.88   | 21.87   | 21.86   | 23.00   |       |
|   |            | 25      | 0         | 22.09                | 21.87   | 21.85   | 21.86   | 23.00   |       |
|   |            | 1       | 0         | 21.44                | 21.81   | 21.82   | 21.79   | 23.00   |       |
|   |            | 1       | 13        | 21.54                | 21.50   | 21.50   | 21.55   | 23.00   |       |
|   |            | 1       | 24        | 21.57                | 21.58   | 21.66   | 21.73   | 23.00   |       |
|   |            | 12      | 0         | 20.81                | 20.92   | 20.92   | 20.89   | 22.00   |       |
|   | 10MHz      | QPSK    | 12        | 6                    | 20.95   | 20.81   | 20.70   | 20.59   | 22.00 |
|   |            |         | 12        | 13                   | 20.88   | 20.58   | 20.74   | 20.72   | 22.00 |
|   |            |         | 25        | 0                    | 20.89   | 20.88   | 20.79   | 20.69   | 22.00 |
| 1   |            |         | 0         | 23.52                | 23.88   | 23.85   | 23.78   | 25.00   |       |
| 1   |            |         | 25        | 23.71                | 23.52   | 23.61   | 23.57   | 25.00   |       |
| 1   |            |         | 49        | 23.72                | 23.64   | 23.79   | 23.75   | 25.00   |       |
| 16QAM   |            | 25      | 0         | 22.88                | 23.01   | 22.92   | 22.93   | 24.00   |       |
|   |            | 25      | 13        | 22.94                | 22.96   | 22.81   | 22.74   | 24.00   |       |
|   |            | 25      | 25        | 22.96                | 22.72   | 22.80   | 22.80   | 24.00   |       |
|   |            | 50      | 0         | 23.00                | 22.91   | 22.85   | 22.76   | 24.00   |       |
|   |            | 1       | 0         | 22.79                | 22.63   | 22.69   | 22.66   | 24.00   |       |
|   |            | 1       | 25        | 22.82                | 22.66   | 22.81   | 22.82   | 24.00   |       |
| 64QAM   | 1          | 49      | 22.88     | 22.85                | 22.80   | 22.81   | 24.00   |         |       |
|   | 25         | 0       | 21.96     | 21.77                | 22.00   | 21.96   | 23.00   |         |       |
|   | 25         | 13      | 22.13     | 21.90                | 21.84   | 21.77   | 23.00   |         |       |
|   | 25         | 25      | 22.04     | 21.88                | 21.86   | 21.85   | 23.00   |         |       |
|   | 50         | 0       | 22.07     | 21.91                | 21.89   | 21.83   | 23.00   |         |       |
|   | 1          | 0       | 21.50     | 21.85                | 21.78   | 21.75   | 23.00   |         |       |
| 10MHz   | 64QAM      | 1       | 25        | 21.67                | 21.40   | 21.60   | 21.50   | 23.00   |       |
|   |            | 1       | 49        | 21.64                | 21.57   | 21.73   | 21.71   | 23.00   |       |
|   |            | 25      | 0         | 20.87                | 20.88   | 20.84   | 20.86   | 22.00   |       |
|   |            | 25      | 13        | 20.93                | 20.95   | 20.68   | 20.70   | 22.00   |       |
|   |            | 25      | 25        | 20.86                | 20.60   | 20.73   | 20.69   | 22.00   |       |
|   |            | 50      | 0         | 20.95                | 20.88   | 20.77   | 20.75   | 22.00   |       |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|--------------|---------|---------|
|           |            |         |           | 40115   | 40465   | 40815        | 41165   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.54   | 23.84   | 23.80        | 23.80   | 25.00   |
|           |            | 1       | 38        | 23.70   | 23.52   | 23.63        | 23.59   | 25.00   |
|           |            | 1       | 74        | 23.72   | 23.64   | 23.77        | 23.73   | 25.00   |
|           |            | 36      | 0         | 22.86   | 23.01   | 22.93        | 22.89   | 24.00   |
|           |            | 36      | 18        | 22.96   | 22.93   | 22.80        | 22.74   | 24.00   |
|           |            | 36      | 39        | 22.95   | 22.71   | 22.79        | 22.76   | 24.00   |
|           |            | 75      | 0         | 23.01   | 22.93   | 22.81        | 22.80   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.80   | 22.66   | 22.71        | 22.67   | 24.00   |
|           |            | 1       | 38        | 22.80   | 22.66   | 22.84        | 22.82   | 24.00   |
|           |            | 1       | 74        | 22.83   | 22.85   | 22.81        | 22.82   | 24.00   |
|           |            | 36      | 0         | 21.94   | 21.76   | 21.98        | 21.97   | 23.00   |
|           |            | 36      | 18        | 22.17   | 21.91   | 21.82        | 21.79   | 23.00   |
|           |            | 36      | 39        | 22.02   | 21.90   | 21.85        | 21.88   | 23.00   |
|           |            | 75      | 0         | 22.10   | 21.88   | 21.88        | 21.82   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.49   | 21.84   | 21.78        | 21.71   | 23.00   |
|           |            | 1       | 38        | 21.69   | 21.50   | 21.53        | 21.54   | 23.00   |
|           |            | 1       | 74        | 21.61   | 21.59   | 21.70        | 21.69   | 23.00   |
|           |            | 36      | 0         | 20.82   | 20.93   | 20.90        | 20.84   | 22.00   |
|           |            | 36      | 18        | 20.90   | 20.84   | 20.70        | 20.64   | 22.00   |
|           |            | 36      | 39        | 20.86   | 20.70   | 20.76        | 20.67   | 22.00   |
|           |            | 75      | 0         | 20.90   | 20.80   | 20.77        | 20.71   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 23.51   | 23.84   | 23.62        | 23.82   | 25.00   |
|           |            | 1       | 50        | 23.68   | 23.55   | <b>23.85</b> | 23.57   | 25.00   |
|           |            | 1       | 99        | 23.71   | 23.62   | 23.78        | 23.72   | 25.00   |
|           |            | 50      | 0         | 22.88   | 22.91   | <b>22.99</b> | 22.90   | 24.00   |
|           |            | 50      | 25        | 22.98   | 22.94   | 22.79        | 22.76   | 24.00   |
|           |            | 50      | 50        | 22.95   | 22.74   | 22.81        | 22.75   | 24.00   |
|           |            | 100     | 0         | 23.04   | 22.88   | 22.82        | 22.76   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.80   | 22.65   | 22.70        | 22.68   | 24.00   |
|           |            | 1       | 50        | 22.78   | 22.63   | 22.82        | 22.81   | 24.00   |
|           |            | 1       | 99        | 22.83   | 22.81   | 22.80        | 22.82   | 24.00   |
|           |            | 50      | 0         | 21.93   | 21.77   | 21.98        | 21.97   | 23.00   |
|           |            | 50      | 25        | 22.14   | 21.94   | 21.85        | 21.77   | 23.00   |
|           |            | 50      | 50        | 22.01   | 21.88   | 21.89        | 21.89   | 23.00   |
|           |            | 100     | 0         | 22.11   | 21.91   | 21.84        | 21.85   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.38   | 21.82   | 21.79        | 21.81   | 23.00   |
|           |            | 1       | 50        | 21.65   | 21.42   | 21.51        | 21.55   | 23.00   |
|           |            | 1       | 99        | 21.65   | 21.54   | 21.75        | 21.68   | 23.00   |
|           |            | 50      | 0         | 20.76   | 20.99   | 20.79        | 20.82   | 22.00   |
|           |            | 50      | 25        | 20.96   | 20.90   | 20.77        | 20.70   | 22.00   |
|           |            | 50      | 50        | 20.91   | 20.68   | 20.78        | 20.66   | 22.00   |
|           |            | 100     | 0         | 21.01   | 20.78   | 20.75        | 20.73   | 22.00   |





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| LTE Band 41 Receiver off+Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |         |       |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|-------|
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |       |
|                                    |            |         |           | 40065                | 40448   | 40832   | 41215   |         |       |
| 5MHz                               | QPSK       | 1       | 0         | 21.85                | 21.95   | 21.80   | 21.85   | 23.00   |       |
|                                    |            | 1       | 13        | 21.72                | 21.63   | 21.65   | 21.70   | 23.00   |       |
|                                    |            | 1       | 24        | 21.68                | 21.58   | 21.58   | 21.71   | 23.00   |       |
|                                    |            | 12      | 0         | 21.61                | 21.53   | 21.50   | 21.60   | 23.00   |       |
|                                    |            | 12      | 6         | 21.77                | 21.63   | 21.64   | 21.76   | 23.00   |       |
|                                    |            | 12      | 13        | 21.73                | 21.61   | 21.64   | 21.70   | 23.00   |       |
|                                    | 16QAM      | 25      | 0         | 21.82                | 21.64   | 21.71   | 21.78   | 23.00   |       |
|                                    |            | 1       | 0         | 21.82                | 21.69   | 21.75   | 21.85   | 23.00   |       |
|                                    |            | 1       | 13        | 21.91                | 21.81   | 21.83   | 21.94   | 23.00   |       |
|                                    |            | 1       | 24        | 21.81                | 21.65   | 21.69   | 21.74   | 23.00   |       |
|                                    |            | 12      | 0         | 21.73                | 21.62   | 21.63   | 21.71   | 23.00   |       |
|                                    |            | 12      | 6         | 21.83                | 21.70   | 21.73   | 21.85   | 23.00   |       |
|                                    | 64QAM      | 12      | 13        | 21.72                | 21.58   | 21.62   | 21.71   | 23.00   |       |
|                                    |            | 25      | 0         | 21.84                | 21.75   | 21.74   | 21.87   | 23.00   |       |
|                                    |            | 1       | 0         | 21.82                | 21.88   | 21.78   | 21.82   | 23.00   |       |
|                                    |            | 1       | 13        | 21.63                | 21.53   | 21.52   | 21.58   | 23.00   |       |
|                                    |            | 1       | 24        | 21.67                | 21.48   | 21.56   | 21.66   | 23.00   |       |
|                                    |            | 12      | 0         | 20.60                | 20.43   | 20.49   | 20.59   | 22.00   |       |
|                                    | 10MHz      | QPSK    | 12        | 6                    | 20.71   | 20.58   | 20.62   | 20.71   | 22.00 |
|                                    |            |         | 12        | 13                   | 20.71   | 20.61   | 20.59   | 20.65   | 22.00 |
|                                    |            |         | 25        | 0                    | 20.72   | 20.63   | 20.63   | 20.68   | 22.00 |
| 1                                  |            |         | 0         | 21.84                | 21.99   | 21.83   | 21.83   | 23.00   |       |
| 1                                  |            |         | 25        | 21.73                | 21.59   | 21.60   | 21.71   | 23.00   |       |
| 1                                  |            |         | 49        | 21.68                | 21.55   | 21.61   | 21.72   | 23.00   |       |
| 16QAM                              |            | 25      | 0         | 21.63                | 21.51   | 21.49   | 21.58   | 23.00   |       |
|                                    |            | 25      | 13        | 21.76                | 21.66   | 21.63   | 21.73   | 23.00   |       |
|                                    |            | 25      | 25        | 21.74                | 21.57   | 21.65   | 21.73   | 23.00   |       |
|                                    |            | 50      | 0         | 21.83                | 21.64   | 21.73   | 21.79   | 23.00   |       |
|                                    |            | 1       | 0         | 21.85                | 21.68   | 21.72   | 21.86   | 23.00   |       |
|                                    |            | 1       | 25        | 21.91                | 21.78   | 21.84   | 21.93   | 23.00   |       |
| 64QAM                              | 1          | 49      | 21.82     | 21.67                | 21.67   | 21.75   | 23.00   |         |       |
|                                    | 25         | 0       | 21.78     | 21.62                | 21.68   | 21.72   | 23.00   |         |       |
|                                    | 25         | 13      | 21.84     | 21.69                | 21.73   | 21.82   | 23.00   |         |       |
|                                    | 25         | 25      | 21.70     | 21.56                | 21.57   | 21.68   | 23.00   |         |       |
|                                    | 50         | 0       | 21.86     | 21.75                | 21.75   | 21.84   | 23.00   |         |       |
|                                    | 1          | 0       | 21.79     | 21.87                | 21.73   | 21.75   | 23.00   |         |       |
| 10MHz                              | 64QAM      | 1       | 25        | 21.72                | 21.58   | 21.59   | 21.62   | 23.00   |       |
|                                    |            | 1       | 49        | 21.61                | 21.45   | 21.58   | 21.66   | 23.00   |       |
|                                    |            | 25      | 0         | 20.51                | 20.46   | 20.49   | 20.54   | 22.00   |       |
|                                    |            | 25      | 13        | 20.64                | 20.59   | 20.55   | 20.65   | 22.00   |       |
|                                    |            | 25      | 25        | 20.63                | 20.44   | 20.62   | 20.63   | 22.00   |       |
|                                    |            | 50      | 0         | 20.77                | 20.64   | 20.72   | 20.67   | 22.00   |       |



| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|--------------|---------|---------|
|           |            |         |           | 40115   | 40465   | 40815        | 41165   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.87   | 21.95   | 21.83        | 21.86   | 23.00   |
|           |            | 1       | 38        | 21.77   | 21.62   | 21.63        | 21.73   | 23.00   |
|           |            | 1       | 74        | 21.72   | 21.56   | 21.62        | 21.69   | 23.00   |
|           |            | 36      | 0         | 21.64   | 21.50   | 21.47        | 21.59   | 23.00   |
|           |            | 36      | 18        | 21.79   | 21.66   | 21.64        | 21.76   | 23.00   |
|           |            | 36      | 39        | 21.75   | 21.58   | 21.67        | 21.72   | 23.00   |
|           |            | 75      | 0         | 21.79   | 21.68   | 21.74        | 21.78   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.84   | 21.70   | 21.71        | 21.84   | 23.00   |
|           |            | 1       | 38        | 21.96   | 21.79   | 21.85        | 21.90   | 23.00   |
|           |            | 1       | 74        | 21.80   | 21.66   | 21.67        | 21.73   | 23.00   |
|           |            | 36      | 0         | 21.73   | 21.61   | 21.64        | 21.72   | 23.00   |
|           |            | 36      | 18        | 21.83   | 21.67   | 21.68        | 21.81   | 23.00   |
|           |            | 36      | 39        | 21.71   | 21.57   | 21.62        | 21.71   | 23.00   |
|           |            | 75      | 0         | 21.84   | 21.78   | 21.73        | 21.84   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.83   | 21.93   | 21.72        | 21.77   | 23.00   |
|           |            | 1       | 38        | 21.74   | 21.49   | 21.58        | 21.71   | 23.00   |
|           |            | 1       | 74        | 21.72   | 21.44   | 21.57        | 21.57   | 23.00   |
|           |            | 36      | 0         | 20.59   | 20.40   | 20.43        | 20.55   | 22.00   |
|           |            | 36      | 18        | 20.68   | 20.53   | 20.58        | 20.68   | 22.00   |
|           |            | 36      | 39        | 20.73   | 20.57   | 20.59        | 20.66   | 22.00   |
|           |            | 75      | 0         | 20.76   | 20.58   | 20.69        | 20.65   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.85   | 21.98   | 21.64        | 21.87   | 23.00   |
|           |            | 1       | 50        | 21.76   | 21.58   | <b>21.99</b> | 21.72   | 23.00   |
|           |            | 1       | 99        | 21.72   | 21.59   | 21.59        | 21.71   | 23.00   |
|           |            | 50      | 0         | 21.64   | 21.50   | <b>21.78</b> | 21.61   | 23.00   |
|           |            | 50      | 25        | 21.76   | 21.67   | 21.67        | 21.77   | 23.00   |
|           |            | 50      | 50        | 21.75   | 21.60   | 21.67        | 21.68   | 23.00   |
|           |            | 100     | 0         | 21.79   | 21.69   | 21.73        | 21.79   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.82   | 21.69   | 21.73        | 21.86   | 23.00   |
|           |            | 1       | 50        | 21.95   | 21.79   | 21.81        | 21.92   | 23.00   |
|           |            | 1       | 99        | 21.81   | 21.64   | 21.66        | 21.76   | 23.00   |
|           |            | 50      | 0         | 21.78   | 21.64   | 21.68        | 21.73   | 23.00   |
|           |            | 50      | 25        | 21.83   | 21.69   | 21.71        | 21.81   | 23.00   |
|           |            | 50      | 50        | 21.70   | 21.54   | 21.61        | 21.70   | 23.00   |
|           |            | 100     | 0         | 21.86   | 21.75   | 21.74        | 21.84   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.80   | 21.88   | 21.79        | 21.87   | 23.00   |
|           |            | 1       | 50        | 21.66   | 21.56   | 21.56        | 21.68   | 23.00   |
|           |            | 1       | 99        | 21.66   | 21.52   | 21.48        | 21.65   | 23.00   |
|           |            | 50      | 0         | 20.51   | 20.45   | 20.47        | 20.48   | 22.00   |
|           |            | 50      | 25        | 20.73   | 20.66   | 20.55        | 20.73   | 22.00   |
|           |            | 50      | 50        | 20.62   | 20.52   | 20.54        | 20.58   | 22.00   |
|           |            | 100     | 0         | 20.66   | 20.67   | 20.62        | 20.77   | 22.00   |

Table 3 : Conducted Power of LTE

**1.2 Conducted Power of Main Antenna (Ant2)**

**1.2.1 Conducted Power of GSM**

| <b>GSM 850 Receiver on</b> |            |       |       |       |         |                  |                                 |       |       |              |
|----------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|--------------|
| Burst Output Power(dBm)    |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up      |
| Channel                    |            | 128   | 190   | 251   |         |                  | 975                             | 38    | 124   |              |
| GSM(GMSK)                  | GSM        | 32.22 | 32.21 | 32.16 | 32.50   | -9.19            | 23.03                           | 23.02 | 22.97 | 23.31        |
| GPRS/EGPRS (GMSK)          | 1 TX Slot  | 32.21 | 32.20 | 32.15 | 32.50   | -9.19            | 23.02                           | 23.01 | 22.96 | 23.31        |
|                            | 2 TX Slots | 30.25 | 29.92 | 30.04 | 30.50   | -6.18            | 24.07                           | 23.74 | 23.86 | 24.32        |
|                            | 3 TX Slots | 28.50 | 27.94 | 28.25 | 29.00   | -4.42            | 24.08                           | 23.52 | 23.83 | <b>24.58</b> |
|                            | 4 TX Slots | 26.66 | 26.58 | 26.51 | 27.50   | -3.17            | 23.49                           | 23.41 | 23.34 | 24.33        |
| EGPRS(8PSK)                | 1 TX Slot  | 26.68 | 26.68 | 26.56 | 27.00   | -9.19            | 17.49                           | 17.49 | 17.37 | 17.81        |
|                            | 2 TX Slots | 24.20 | 24.25 | 24.41 | 25.00   | -6.18            | 18.02                           | 18.07 | 18.23 | 18.82        |
|                            | 3 TX Slots | 22.68 | 22.69 | 22.68 | 23.50   | -4.42            | 18.26                           | 18.27 | 18.26 | 19.08        |
|                            | 4 TX Slots | 21.69 | 21.80 | 21.77 | 22.50   | -3.17            | 18.52                           | 18.63 | 18.60 | 19.33        |

| <b>GSM 850 Receiver off</b> |            |       |       |       |         |                  |                                 |       |       |              |
|-----------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|--------------|
| Burst Output Power(dBm)     |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up      |
| Channel                     |            | 128   | 190   | 251   |         |                  | 975                             | 38    | 124   |              |
| GSM(GMSK)                   | GSM        | 33.46 | 33.29 | 33.42 | 34.00   | -9.19            | 24.27                           | 24.10 | 24.23 | 24.81        |
| GPRS/EGPRS (GMSK)           | 1 TX Slot  | 33.45 | 33.28 | 33.40 | 34.00   | -9.19            | 24.26                           | 24.09 | 24.21 | <b>24.81</b> |
|                             | 2 TX Slots | 30.15 | 29.82 | 29.94 | 30.50   | -6.18            | 23.97                           | 23.64 | 23.76 | 24.32        |
|                             | 3 TX Slots | 28.40 | 27.84 | 28.15 | 29.00   | -4.42            | 23.98                           | 23.42 | 23.73 | 24.58        |
|                             | 4 TX Slots | 26.56 | 26.48 | 26.41 | 27.50   | -3.17            | 23.39                           | 23.31 | 23.24 | 24.33        |
| EGPRS(8PSK)                 | 1 TX Slot  | 26.58 | 26.58 | 26.46 | 27.00   | -9.19            | 17.39                           | 17.39 | 17.27 | 17.81        |
|                             | 2 TX Slots | 24.10 | 24.15 | 24.31 | 25.00   | -6.18            | 17.92                           | 17.97 | 18.13 | 18.82        |
|                             | 3 TX Slots | 22.58 | 22.59 | 22.58 | 23.50   | -4.42            | 18.16                           | 18.17 | 18.16 | 19.08        |
|                             | 4 TX Slots | 21.59 | 21.70 | 21.67 | 22.50   | -3.17            | 18.42                           | 18.53 | 18.50 | 19.33        |

| <b>GSM 1900</b>         |            |       |       |       |         |                  |                                 |       |       |              |
|-------------------------|------------|-------|-------|-------|---------|------------------|---------------------------------|-------|-------|--------------|
| Burst Output Power(dBm) |            |       |       |       | Tune up | Division Factors | Frame-Average Output Power(dBm) |       |       | Tune up      |
| Channel                 |            | 512   | 661   | 810   |         |                  | 512                             | 698   | 885   |              |
| GSM(GMSK)               | GSM        | 29.74 | 29.65 | 29.95 | 31.00   | -9.19            | 20.55                           | 20.46 | 20.76 | 21.81        |
| GPRS/EGPRS (GMSK)       | 1 TX Slot  | 29.72 | 29.64 | 29.94 | 31.00   | -9.19            | 20.53                           | 20.45 | 20.75 | <b>21.81</b> |
|                         | 2 TX Slots | 26.12 | 26.22 | 26.85 | 27.50   | -6.18            | 19.94                           | 20.04 | 20.67 | 21.32        |
|                         | 3 TX Slots | 24.42 | 24.56 | 25.32 | 26.00   | -4.42            | 20.00                           | 20.14 | 20.90 | 21.58        |
|                         | 4 TX Slots | 22.62 | 22.80 | 23.56 | 24.50   | -3.17            | 19.45                           | 19.63 | 20.39 | 21.33        |
| EGPRS(8PSK)             | 1 TX Slot  | 24.11 | 25.14 | 25.90 | 26.00   | -9.19            | 14.92                           | 15.95 | 16.71 | 16.81        |
|                         | 2 TX Slots | 22.12 | 22.47 | 23.33 | 24.00   | -6.18            | 15.94                           | 16.29 | 17.15 | 17.82        |
|                         | 3 TX Slots | 20.03 | 20.89 | 21.73 | 22.00   | -4.42            | 15.61                           | 16.47 | 17.31 | 17.58        |
|                         | 4 TX Slots | 19.12 | 19.75 | 20.69 | 21.00   | -3.17            | 15.95                           | 16.58 | 17.52 | 17.83        |

Table 4 : Conducted Power of GSM



**1.2.2 Conducted Power of WCDMA**

| <b>WCDMA Band II</b>         |              |       |              |       |         |
|------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm) |              |       |              |       |         |
| Channel                      |              | 9262  | 9400         | 9538  | Tune up |
| WCDMA                        | 12.2kbps RMC | 21.00 | <b>21.13</b> | 21.06 | 22.00   |
|                              | 12.2kbps AMR | 20.99 | 21.02        | 21.05 | 22.00   |
| HSDPA                        | Subtest 1    | 19.90 | 20.11        | 20.00 | 21.00   |
|                              | Subtest 2    | 19.97 | 19.96        | 19.96 | 21.00   |
|                              | Subtest 3    | 19.43 | 19.58        | 19.54 | 20.50   |
|                              | Subtest 4    | 19.42 | 19.49        | 19.53 | 20.50   |
| HSUPA                        | Subtest 1    | 19.98 | 20.10        | 20.05 | 21.00   |
|                              | Subtest 2    | 17.97 | 17.95        | 17.96 | 19.00   |
|                              | Subtest 3    | 18.96 | 19.11        | 18.99 | 20.00   |
|                              | Subtest 4    | 17.94 | 18.00        | 18.00 | 19.00   |
|                              | Subtest 5    | 19.99 | 20.08        | 20.01 | 21.00   |
| DC-HSDPA                     | Subtest 1    | 19.94 | 20.09        | 20.05 | 21.00   |
|                              | Subtest 2    | 19.90 | 20.02        | 20.05 | 21.00   |
|                              | Subtest 3    | 19.46 | 19.57        | 19.53 | 20.50   |
|                              | Subtest 4    | 19.39 | 19.50        | 19.45 | 20.50   |
| HSPA+                        | 16QAM        | 19.86 | 20.01        | 19.96 | 21.00   |

| <b>WCDMA Band IV Receiver on</b> |              |       |              |       |         |
|----------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm)     |              |       |              |       |         |
| Channel                          |              | 1312  | 1412         | 1513  | Tune up |
| WCDMA                            | 12.2kbps RMC | 20.39 | <b>20.44</b> | 20.33 | 21.50   |
|                                  | 12.2kbps AMR | 20.35 | 20.43        | 20.31 | 21.50   |
| HSDPA                            | Subtest 1    | 19.31 | 19.34        | 19.33 | 20.50   |
|                                  | Subtest 2    | 19.32 | 19.34        | 19.24 | 20.50   |
|                                  | Subtest 3    | 18.79 | 18.89        | 18.78 | 20.00   |
|                                  | Subtest 4    | 18.85 | 18.83        | 18.75 | 20.00   |
| HSUPA                            | Subtest 1    | 19.29 | 19.44        | 19.32 | 20.50   |
|                                  | Subtest 2    | 17.35 | 17.42        | 17.25 | 18.50   |
|                                  | Subtest 3    | 18.34 | 18.37        | 18.29 | 19.50   |
|                                  | Subtest 4    | 17.26 | 17.38        | 17.25 | 18.50   |
|                                  | Subtest 5    | 19.37 | 19.39        | 19.28 | 20.50   |
| DC-HSDPA                         | Subtest 1    | 19.37 | 19.42        | 19.31 | 20.50   |
|                                  | Subtest 2    | 19.33 | 19.39        | 19.27 | 20.50   |
|                                  | Subtest 3    | 18.83 | 18.89        | 18.83 | 20.00   |
|                                  | Subtest 4    | 18.79 | 18.88        | 18.74 | 20.00   |
| HSPA+                            | 16QAM        | 19.21 | 19.35        | 19.21 | 20.50   |



| WCDMA Band IV Receiver off   |              |       |              |       |         |
|------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm) |              |       |              |       |         |
| Channel                      |              | 1312  | 1412         | 1513  | Tune up |
| WCDMA                        | 12.2kbps RMC | 19.85 | <b>19.95</b> | 19.82 | 21.00   |
|                              | 12.2kbps AMR | 19.80 | 19.94        | 19.80 | 21.00   |
| HSDPA                        | Subtest 1    | 18.85 | 18.95        | 18.77 | 20.00   |
|                              | Subtest 2    | 18.80 | 18.94        | 18.76 | 20.00   |
|                              | Subtest 3    | 18.35 | 18.45        | 18.27 | 19.50   |
|                              | Subtest 4    | 18.30 | 18.44        | 18.27 | 19.50   |
| HSUPA                        | Subtest 1    | 18.85 | 18.95        | 18.72 | 20.00   |
|                              | Subtest 2    | 16.80 | 16.94        | 16.76 | 18.00   |
|                              | Subtest 3    | 17.85 | 17.95        | 17.76 | 19.00   |
|                              | Subtest 4    | 16.80 | 16.94        | 16.75 | 18.00   |
|                              | Subtest 5    | 18.85 | 18.95        | 18.79 | 20.00   |
| DC-HSDPA                     | Subtest 1    | 18.85 | 18.95        | 18.75 | 20.00   |
|                              | Subtest 2    | 18.80 | 18.94        | 18.77 | 20.00   |
|                              | Subtest 3    | 18.35 | 18.45        | 18.27 | 19.50   |
|                              | Subtest 4    | 18.30 | 18.44        | 18.20 | 19.50   |
| HSPA+                        | 16QAM        | 18.76 | 18.82        | 18.66 | 20.00   |

| WCDMA Band V Receiver on     |              |       |              |       |         |
|------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm) |              |       |              |       |         |
| Channel                      |              | 4132  | 4182         | 4233  | Tune up |
| WCDMA                        | 12.2kbps RMC | 23.35 | <b>23.36</b> | 23.28 | 24.00   |
|                              | 12.2kbps AMR | 23.34 | 23.35        | 23.25 | 24.00   |
| HSDPA                        | Subtest 1    | 22.31 | 22.15        | 22.47 | 23.00   |
|                              | Subtest 2    | 22.37 | 22.23        | 22.49 | 23.00   |
|                              | Subtest 3    | 21.88 | 21.71        | 21.65 | 22.50   |
|                              | Subtest 4    | 21.55 | 21.74        | 21.60 | 22.50   |
| HSUPA                        | Subtest 1    | 22.31 | 22.25        | 22.51 | 23.00   |
|                              | Subtest 2    | 20.37 | 20.20        | 20.48 | 21.00   |
|                              | Subtest 3    | 21.36 | 21.26        | 21.51 | 22.00   |
|                              | Subtest 4    | 20.33 | 20.25        | 20.54 | 21.00   |
|                              | Subtest 5    | 22.37 | 22.26        | 22.46 | 23.00   |
| DC-HSDPA                     | Subtest 1    | 22.29 | 22.08        | 22.38 | 23.00   |
|                              | Subtest 2    | 22.34 | 22.23        | 22.44 | 23.00   |
|                              | Subtest 3    | 21.87 | 21.67        | 21.65 | 22.50   |
|                              | Subtest 4    | 21.45 | 21.65        | 21.59 | 22.50   |
| HSPA+                        | 16QAM        | 22.15 | 22.16        | 22.47 | 23.00   |



| WCDMA Band V Receiver off    |              |       |              |       |         |
|------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm) |              |       |              |       |         |
| Channel                      |              | 4132  | 4182         | 4233  | Tune up |
| WCDMA                        | 12.2kbps RMC | 23.95 | <b>24.08</b> | 23.91 | 25.00   |
|                              | 12.2kbps AMR | 23.94 | 24.06        | 23.85 | 25.00   |
| HSDPA                        | Subtest 1    | 22.85 | 22.70        | 23.02 | 24.00   |
|                              | Subtest 2    | 22.84 | 22.72        | 23.03 | 24.00   |
|                              | Subtest 3    | 22.39 | 22.23        | 22.17 | 23.50   |
|                              | Subtest 4    | 22.03 | 22.22        | 22.15 | 23.50   |
| HSUPA                        | Subtest 1    | 22.85 | 22.73        | 23.02 | 24.00   |
|                              | Subtest 2    | 20.86 | 20.73        | 20.94 | 22.00   |
|                              | Subtest 3    | 21.85 | 21.75        | 22.02 | 23.00   |
|                              | Subtest 4    | 20.83 | 20.72        | 21.09 | 22.00   |
|                              | Subtest 5    | 22.89 | 22.79        | 22.95 | 24.00   |
| DC-HSDPA                     | Subtest 1    | 22.80 | 22.60        | 23.00 | 24.00   |
|                              | Subtest 2    | 22.81 | 22.64        | 22.93 | 24.00   |
|                              | Subtest 3    | 22.37 | 22.15        | 22.12 | 23.50   |
|                              | Subtest 4    | 21.98 | 22.15        | 22.05 | 23.50   |
| HSPA+                        | 16QAM        | 22.81 | 22.66        | 22.96 | 24.00   |

Table 5 : Conducted Power of WCDMA



**1.2.3 Conducted Power of LTE**

| LTE Band 2 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |       |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|-------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |       |
|                        |            |         |           | 18607                | 18900   | 19193   |         |       |
| 1.4MHz                 | QPSK       | 1       | 0         | 21.12                | 21.48   | 21.44   | 22.50   |       |
|                        |            | 1       | 2         | 21.27                | 21.39   | 21.35   | 22.50   |       |
|                        |            | 1       | 5         | 21.26                | 21.50   | 21.44   | 22.50   |       |
|                        |            | 3       | 0         | 21.10                | 21.42   | 21.56   | 22.50   |       |
|                        |            | 3       | 1         | 21.23                | 21.35   | 21.11   | 22.50   |       |
|                        |            | 3       | 3         | 21.14                | 21.44   | 21.54   | 22.50   |       |
|                        | 16QAM      | 6       | 0         | 21.15                | 21.48   | 21.56   | 22.50   |       |
|                        |            | 1       | 0         | 21.23                | 21.36   | 21.41   | 22.50   |       |
|                        |            | 1       | 2         | 21.44                | 21.21   | 21.41   | 22.50   |       |
|                        |            | 1       | 5         | 21.23                | 21.39   | 21.35   | 22.50   |       |
|                        |            | 3       | 0         | 21.18                | 21.43   | 21.14   | 22.50   |       |
|                        |            | 3       | 1         | 21.09                | 21.35   | 21.36   | 22.50   |       |
|                        | 64QAM      | 3       | 3         | 21.29                | 21.37   | 21.14   | 22.50   |       |
|                        |            | 6       | 0         | 21.23                | 21.45   | 21.35   | 22.50   |       |
|                        |            | 1       | 0         | 21.11                | 21.44   | 21.39   | 22.50   |       |
|                        |            | 1       | 2         | 21.18                | 21.38   | 21.29   | 22.50   |       |
|                        |            | 1       | 5         | 21.23                | 21.42   | 21.41   | 22.50   |       |
|                        |            | 3       | 0         | 21.03                | 21.37   | 21.53   | 22.50   |       |
|                        | 3MHz       | QPSK    | 3         | 1                    | 21.20   | 21.24   | 21.09   | 22.50 |
|                        |            |         | 3         | 3                    | 21.07   | 21.31   | 21.46   | 22.50 |
|                        |            |         | 6         | 0                    | 20.53   | 20.88   | 20.97   | 22.00 |
| 1                      |            |         | 0         | 21.01                | 21.41   | 21.31   | 22.50   |       |
| 1                      |            |         | 7         | 21.06                | 21.55   | 21.23   | 22.50   |       |
| 1                      |            |         | 14        | 21.10                | 21.55   | 21.34   | 22.50   |       |
| 16QAM                  |            | 8       | 0         | 21.19                | 21.44   | 21.41   | 22.50   |       |
|                        |            | 8       | 4         | 21.14                | 21.51   | 21.40   | 22.50   |       |
|                        |            | 8       | 7         | 21.10                | 21.43   | 21.45   | 22.50   |       |
|                        |            | 15      | 0         | 21.11                | 21.38   | 21.47   | 22.50   |       |
|                        | 1          | 0       | 21.23     | 21.51                | 21.45   | 22.50   |         |       |
|                        | 1          | 7       | 21.04     | 21.45                | 21.44   | 22.50   |         |       |
| 64QAM                  | 1          | 14      | 21.15     | 21.33                | 21.37   | 22.50   |         |       |
|                        | 8          | 0       | 21.12     | 21.14                | 21.61   | 22.50   |         |       |
|                        | 8          | 4       | 21.25     | 21.15                | 21.56   | 22.50   |         |       |
|                        | 8          | 7       | 21.15     | 21.35                | 21.51   | 22.50   |         |       |
|                        | 15         | 0       | 21.08     | 21.14                | 21.43   | 22.50   |         |       |
|                        | 1          | 0       | 20.99     | 21.40                | 21.25   | 22.50   |         |       |
| 64QAM                  | 1          | 7       | 21.05     | 21.50                | 21.14   | 22.50   |         |       |
|                        | 1          | 14      | 21.08     | 21.50                | 21.23   | 22.50   |         |       |
|                        | 8          | 0       | 20.65     | 20.86                | 20.88   | 22.00   |         |       |
|                        | 8          | 4       | 20.56     | 21.01                | 20.79   | 22.00   |         |       |
|                        | 8          | 7       | 20.57     | 20.91                | 20.90   | 22.00   |         |       |
|                        | 15         | 0       | 20.50     | 20.82                | 20.86   | 22.00   |         |       |



**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: AR/2020/9001007

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |       |
|-----------|------------|---------|-----------|---------|---------|---------|---------|-------|
|           |            |         |           | 18625   | 18900   | 19175   |         |       |
| 5MHz      | QPSK       | 1       | 0         | 21.16   | 21.55   | 21.41   | 22.50   |       |
|           |            | 1       | 13        | 21.26   | 21.41   | 21.35   | 22.50   |       |
|           |            | 1       | 24        | 21.08   | 21.54   | 21.32   | 22.50   |       |
|           |            | 12      | 0         | 21.28   | 21.51   | 21.41   | 22.50   |       |
|           |            | 12      | 6         | 21.10   | 21.46   | 21.39   | 22.50   |       |
|           |            | 12      | 13        | 21.19   | 21.48   | 21.45   | 22.50   |       |
|           | 16QAM      | 25      | 0         | 21.28   | 21.48   | 21.49   | 22.50   |       |
|           |            | 1       | 0         | 21.66   | 21.56   | 21.45   | 22.50   |       |
|           |            | 1       | 13        | 21.25   | 21.55   | 21.35   | 22.50   |       |
|           |            | 1       | 24        | 20.87   | 21.51   | 21.38   | 22.50   |       |
|           |            | 12      | 0         | 21.31   | 21.52   | 21.46   | 22.50   |       |
|           |            | 12      | 6         | 21.35   | 21.54   | 21.31   | 22.50   |       |
|           | 64QAM      | 12      | 13        | 21.21   | 21.60   | 21.40   | 22.50   |       |
|           |            | 25      | 0         | 21.23   | 21.51   | 21.64   | 22.50   |       |
|           |            | 1       | 0         | 21.14   | 21.48   | 21.34   | 22.50   |       |
|           |            | 1       | 13        | 21.16   | 21.38   | 21.27   | 22.50   |       |
|           |            | 1       | 24        | 20.99   | 21.54   | 21.30   | 22.50   |       |
|           |            | 12      | 0         | 20.67   | 20.91   | 20.86   | 22.00   |       |
|           | 10MHz      | QPSK    | 12        | 6       | 20.59   | 20.95   | 20.82   | 22.00 |
|           |            |         | 12        | 13      | 20.56   | 20.91   | 20.90   | 22.00 |
|           |            |         | 25        | 0       | 20.75   | 20.85   | 20.87   | 22.00 |
| 1         |            |         | 0         | 21.07   | 21.53   | 21.10   | 22.50   |       |
| 1         |            |         | 25        | 21.18   | 21.50   | 21.26   | 22.50   |       |
| 1         |            |         | 49        | 21.23   | 21.41   | 21.12   | 22.50   |       |
| 16QAM     |            | 25      | 0         | 21.14   | 21.51   | 21.19   | 22.50   |       |
|           |            | 25      | 13        | 21.11   | 21.44   | 21.29   | 22.50   |       |
|           |            | 25      | 25        | 21.15   | 21.37   | 21.31   | 22.50   |       |
|           |            | 50      | 0         | 21.17   | 21.44   | 21.31   | 22.50   |       |
|           |            | 1       | 0         | 21.60   | 21.45   | 21.55   | 22.50   |       |
|           |            | 1       | 25        | 21.06   | 21.58   | 21.12   | 22.50   |       |
| 64QAM     | 1          | 49      | 20.71     | 21.55   | 21.12   | 22.50   |         |       |
|           | 25         | 0       | 21.15     | 21.54   | 21.32   | 22.50   |         |       |
|           | 25         | 13      | 21.16     | 21.37   | 21.27   | 22.50   |         |       |
|           | 25         | 25      | 21.15     | 21.45   | 21.50   | 22.50   |         |       |
|           | 50         | 0       | 21.20     | 21.48   | 21.30   | 22.50   |         |       |
|           | 1          | 0       | 20.95     | 21.46   | 21.03   | 22.50   |         |       |
| 10MHz     | 64QAM      | 1       | 25        | 21.16   | 21.43   | 21.25   | 22.50   |       |
|           |            | 1       | 49        | 21.12   | 21.39   | 21.11   | 22.50   |       |
|           |            | 25      | 0         | 20.57   | 20.99   | 20.63   | 22.00   |       |
|           |            | 25      | 13        | 20.54   | 20.93   | 20.66   | 22.00   |       |
|           |            | 25      | 25        | 20.60   | 20.78   | 20.81   | 22.00   |       |
|           |            | 50      | 0         | 20.58   | 20.84   | 20.79   | 22.00   |       |





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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 18675        | 18900        | 19125        |         |
| 15MHz     | QPSK       | 1       | 0         | 20.97        | 21.25        | 21.32        | 22.50   |
|           |            | 1       | 38        | 20.54        | 21.21        | 21.06        | 22.50   |
|           |            | 1       | 74        | 20.59        | 21.21        | 21.12        | 22.50   |
|           |            | 36      | 0         | 21.21        | 21.22        | 21.08        | 22.50   |
|           |            | 36      | 18        | 21.27        | 21.41        | 21.27        | 22.50   |
|           |            | 36      | 39        | 21.23        | 21.33        | 21.49        | 22.50   |
|           |            | 75      | 0         | 21.13        | 21.25        | 21.27        | 22.50   |
|           | 16QAM      | 1       | 0         | 21.66        | 21.12        | 21.58        | 22.50   |
|           |            | 1       | 38        | 21.23        | 21.28        | 21.31        | 22.50   |
|           |            | 1       | 74        | 20.61        | 21.49        | 21.11        | 22.50   |
|           |            | 36      | 0         | 21.25        | 21.29        | 21.26        | 22.50   |
|           |            | 36      | 18        | 21.24        | 21.43        | 21.34        | 22.50   |
|           |            | 36      | 39        | 21.21        | 21.29        | 21.38        | 22.50   |
|           |            | 75      | 0         | 21.08        | 21.34        | 21.24        | 22.50   |
|           | 64QAM      | 1       | 0         | 20.89        | 21.15        | 21.32        | 22.50   |
|           |            | 1       | 38        | 20.50        | 21.15        | 20.96        | 22.50   |
|           |            | 1       | 74        | 20.56        | 21.09        | 21.05        | 22.50   |
|           |            | 36      | 0         | 20.59        | 20.71        | 20.56        | 22.00   |
|           |            | 36      | 18        | 20.76        | 20.79        | 20.64        | 22.00   |
|           |            | 36      | 39        | 20.64        | 20.78        | 20.92        | 22.00   |
|           |            | 75      | 0         | 20.60        | 20.69        | 20.74        | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.42        | 21.67        | 21.41        | 22.50   |
|           |            | 1       | 50        | <b>21.56</b> | <b>21.69</b> | <b>21.55</b> | 22.50   |
|           |            | 1       | 99        | 20.88        | 21.00        | 21.45        | 22.50   |
|           |            | 50      | 0         | <b>21.33</b> | <b>21.38</b> | <b>21.36</b> | 22.50   |
|           |            | 50      | 25        | 21.27        | 21.35        | 21.20        | 22.50   |
|           |            | 50      | 50        | 21.24        | 21.26        | 21.29        | 22.50   |
|           |            | 100     | 0         | 21.28        | <b>21.33</b> | 21.25        | 22.50   |
|           | 16QAM      | 1       | 0         | 21.56        | 21.44        | 21.45        | 22.50   |
|           |            | 1       | 50        | 21.35        | 21.38        | 21.55        | 22.50   |
|           |            | 1       | 99        | 21.39        | 21.47        | 21.65        | 22.50   |
|           |            | 50      | 0         | 21.33        | 21.29        | 21.16        | 22.50   |
|           |            | 50      | 25        | 21.33        | 21.28        | 21.33        | 22.50   |
|           |            | 50      | 50        | 21.28        | 21.25        | 21.49        | 22.50   |
|           |            | 100     | 0         | 21.28        | 21.26        | 21.35        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.29        | 21.64        | 21.30        | 22.50   |
|           |            | 1       | 50        | 21.51        | 21.62        | 21.53        | 22.50   |
|           |            | 1       | 99        | 20.77        | 20.95        | 21.41        | 22.50   |
|           |            | 50      | 0         | 20.82        | 20.76        | 20.78        | 22.00   |
|           |            | 50      | 25        | 20.70        | 20.78        | 20.68        | 22.00   |
|           |            | 50      | 50        | 20.66        | 20.68        | 20.70        | 22.00   |
|           |            | 100     | 0         | 20.75        | 20.81        | 20.62        | 22.00   |



| LTE Band 2 Receiver off |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                  | QPSK       | 1       | 0         | 20.62                | 20.93   | 20.94   | 22.00   |
|                         |            | 1       | 2         | 20.75                | 20.84   | 20.85   | 22.00   |
|                         |            | 1       | 5         | 20.73                | 21.00   | 20.91   | 22.00   |
|                         |            | 3       | 0         | 20.60                | 20.87   | 21.03   | 22.00   |
|                         |            | 3       | 1         | 20.71                | 20.82   | 20.61   | 22.00   |
|                         |            | 3       | 3         | 20.62                | 20.91   | 21.03   | 22.00   |
|                         | 16QAM      | 6       | 0         | 20.63                | 20.93   | 21.06   | 22.00   |
|                         |            | 1       | 0         | 20.70                | 20.84   | 20.86   | 22.00   |
|                         |            | 1       | 2         | 20.93                | 20.66   | 20.87   | 22.00   |
|                         |            | 1       | 5         | 20.73                | 20.89   | 20.84   | 22.00   |
|                         |            | 3       | 0         | 20.64                | 20.93   | 20.62   | 22.00   |
|                         |            | 3       | 1         | 20.58                | 20.83   | 20.86   | 22.00   |
|                         | 64QAM      | 3       | 3         | 20.79                | 20.82   | 20.60   | 22.00   |
|                         |            | 6       | 0         | 20.71                | 20.93   | 20.83   | 22.00   |
|                         |            | 1       | 0         | 20.60                | 20.83   | 20.89   | 22.00   |
|                         |            | 1       | 2         | 20.72                | 20.74   | 20.85   | 22.00   |
|                         |            | 1       | 5         | 20.64                | 20.88   | 20.88   | 22.00   |
|                         |            | 3       | 0         | 20.54                | 20.81   | 20.97   | 22.00   |
| 3MHz                    | QPSK       | 3       | 1         | 20.71                | 20.76   | 20.53   | 22.00   |
|                         |            | 3       | 3         | 20.60                | 20.82   | 20.92   | 22.00   |
|                         |            | 6       | 0         | 20.50                | 20.92   | 20.93   | 22.00   |
|                         |            | 1       | 0         | 20.51                | 20.91   | 20.77   | 22.00   |
|                         |            | 1       | 7         | 20.55                | 21.05   | 20.68   | 22.00   |
|                         |            | 1       | 14        | 20.59                | 21.03   | 20.83   | 22.00   |
|                         | 16QAM      | 8       | 0         | 20.67                | 20.89   | 20.90   | 22.00   |
|                         |            | 8       | 4         | 20.63                | 20.99   | 20.88   | 22.00   |
|                         |            | 8       | 7         | 20.57                | 20.89   | 20.94   | 22.00   |
|                         |            | 15      | 0         | 20.60                | 20.84   | 20.97   | 22.00   |
|                         |            | 1       | 0         | 20.70                | 20.99   | 20.90   | 22.00   |
|                         |            | 1       | 7         | 20.49                | 20.90   | 20.94   | 22.00   |
|                         | 64QAM      | 1       | 14        | 20.63                | 20.83   | 20.84   | 22.00   |
|                         |            | 8       | 0         | 20.58                | 20.64   | 21.09   | 22.00   |
|                         |            | 8       | 4         | 20.74                | 20.65   | 21.01   | 22.00   |
|                         |            | 8       | 7         | 20.60                | 20.81   | 21.01   | 22.00   |
|                         |            | 15      | 0         | 20.56                | 20.64   | 20.88   | 22.00   |
|                         |            | 1       | 0         | 20.46                | 20.91   | 20.65   | 22.00   |
| 64QAM                   | 1          | 7       | 20.55     | 20.95                | 20.59   | 22.00   |         |
|                         | 1          | 14      | 20.47     | 20.93                | 20.77   | 22.00   |         |
|                         | 8          | 0       | 20.65     | 20.87                | 20.78   | 22.00   |         |
|                         | 8          | 4       | 20.60     | 20.97                | 20.84   | 22.00   |         |
|                         | 8          | 7       | 20.44     | 20.77                | 20.89   | 22.00   |         |
|                         | 15         | 0       | 20.56     | 20.84                | 20.97   | 22.00   |         |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | -20.41     | 1       | 0         | 20.65   | 21.03   | 20.88   | 22.00   |
|           |            | 1       | 13        | 20.73   | 20.89   | 20.83   | 22.00   |
|           |            | 1       | 24        | 20.56   | 21.04   | 20.78   | 22.00   |
|           |            | 12      | 0         | 20.78   | 21.01   | 20.86   | 22.00   |
|           |            | 12      | 6         | 20.56   | 20.91   | 20.85   | 22.00   |
|           |            | 12      | 13        | 20.67   | 20.95   | 20.90   | 22.00   |
|           |            | 25      | 0         | 20.78   | 20.93   | 20.95   | 22.00   |
|           | 16QAM      | 1       | 0         | 21.00   | 21.01   | 20.90   | 22.00   |
|           |            | 1       | 13        | 20.74   | 21.00   | 20.80   | 22.00   |
|           |            | 1       | 24        | 20.32   | 21.01   | 20.85   | 22.00   |
|           |            | 12      | 0         | 20.77   | 21.00   | 20.92   | 22.00   |
|           |            | 12      | 6         | 20.80   | 21.03   | 20.76   | 22.00   |
|           |            | 12      | 13        | 20.66   | 21.07   | 20.90   | 22.00   |
|           |            | 25      | 0         | 20.68   | 20.97   | 21.11   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.62   | 20.92   | 20.75   | 22.00   |
|           |            | 1       | 13        | 20.70   | 20.81   | 20.76   | 22.00   |
|           |            | 1       | 24        | 20.50   | 21.01   | 20.78   | 22.00   |
|           |            | 12      | 0         | 20.72   | 20.99   | 20.80   | 22.00   |
|           |            | 12      | 6         | 20.53   | 20.82   | 20.72   | 22.00   |
|           |            | 12      | 13        | 20.64   | 20.88   | 20.77   | 22.00   |
|           |            | 25      | 0         | 20.68   | 20.81   | 20.85   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 20.57   | 21.00   | 20.57   | 22.00   |
|           |            | 1       | 25        | 20.67   | 20.97   | 20.73   | 22.00   |
|           |            | 1       | 49        | 20.72   | 20.91   | 20.57   | 22.00   |
|           |            | 25      | 0         | 20.61   | 20.96   | 20.65   | 22.00   |
|           |            | 25      | 13        | 20.56   | 20.90   | 20.74   | 22.00   |
|           |            | 25      | 25        | 20.64   | 20.83   | 20.77   | 22.00   |
|           |            | 50      | 0         | 20.62   | 20.90   | 20.78   | 22.00   |
|           | 16QAM      | 1       | 0         | 21.05   | 20.93   | 21.01   | 22.00   |
|           |            | 1       | 25        | 20.55   | 21.05   | 20.60   | 22.00   |
|           |            | 1       | 49        | 20.18   | 21.04   | 20.59   | 22.00   |
|           |            | 25      | 0         | 20.62   | 21.00   | 20.77   | 22.00   |
|           |            | 25      | 13        | 20.63   | 20.86   | 20.75   | 22.00   |
|           |            | 25      | 25        | 20.65   | 20.94   | 20.97   | 22.00   |
|           |            | 50      | 0         | 20.66   | 20.93   | 20.77   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.55   | 20.91   | 20.46   | 22.00   |
|           |            | 1       | 25        | 20.55   | 20.96   | 20.64   | 22.00   |
|           |            | 1       | 49        | 20.68   | 20.80   | 20.51   | 22.00   |
|           |            | 25      | 0         | 20.52   | 20.83   | 20.64   | 22.00   |
|           |            | 25      | 13        | 20.52   | 20.89   | 20.62   | 22.00   |
|           |            | 25      | 25        | 20.59   | 20.70   | 20.68   | 22.00   |
|           |            | 50      | 0         | 20.62   | 20.82   | 20.77   | 22.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 18675        | 18900        | 19125        |         |
| 15MHz     | QPSK       | 1       | 0         | 20.42        | 20.74        | 20.82        | 22.00   |
|           |            | 1       | 38        | 20.01        | 20.69        | 20.51        | 22.00   |
|           |            | 1       | 74        | 20.04        | 20.69        | 20.61        | 22.00   |
|           |            | 36      | 0         | 20.67        | 20.68        | 20.57        | 22.00   |
|           |            | 36      | 18        | 20.76        | 20.88        | 20.77        | 22.00   |
|           |            | 36      | 39        | 20.71        | 20.79        | 20.96        | 22.00   |
|           |            | 75      | 0         | 20.61        | 20.72        | 20.77        | 22.00   |
|           | 16QAM      | 1       | 0         | 21.00        | 20.58        | 21.07        | 22.00   |
|           |            | 1       | 38        | 20.71        | 20.75        | 20.76        | 22.00   |
|           |            | 1       | 74        | 20.01        | 20.96        | 20.58        | 22.00   |
|           |            | 36      | 0         | 20.73        | 20.78        | 20.76        | 22.00   |
|           |            | 36      | 18        | 20.70        | 20.89        | 20.84        | 22.00   |
|           |            | 36      | 39        | 20.69        | 20.79        | 20.87        | 22.00   |
|           |            | 75      | 0         | 20.55        | 20.79        | 20.69        | 22.00   |
|           | 64QAM      | 1       | 0         | 20.41        | 20.62        | 20.80        | 22.00   |
|           |            | 1       | 38        | 20.07        | 20.61        | 20.39        | 22.00   |
|           |            | 1       | 74        | 20.02        | 20.62        | 20.50        | 22.00   |
|           |            | 36      | 0         | 20.67        | 20.60        | 20.51        | 22.00   |
|           |            | 36      | 18        | 20.66        | 20.79        | 20.74        | 22.00   |
|           |            | 36      | 39        | 20.62        | 20.67        | 20.91        | 22.00   |
|           |            | 75      | 0         | 20.59        | 20.71        | 20.69        | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.06        | 20.68        | 20.88        | 22.00   |
|           |            | 1       | 50        | 21.01        | <b>21.14</b> | 21.05        | 22.00   |
|           |            | 1       | 99        | 20.36        | 20.49        | 20.91        | 22.00   |
|           |            | 50      | 0         | <b>20.83</b> | <b>20.85</b> | <b>20.84</b> | 22.00   |
|           |            | 50      | 25        | 20.74        | 20.82        | 20.70        | 22.00   |
|           |            | 50      | 50        | 20.69        | 20.71        | 20.76        | 22.00   |
|           |            | 100     | 0         | 20.75        | <b>20.83</b> | 20.73        | 22.00   |
|           | 16QAM      | 1       | 0         | 21.06        | 20.91        | 20.92        | 22.00   |
|           |            | 1       | 50        | 20.85        | 20.85        | 21.01        | 22.00   |
|           |            | 1       | 99        | 20.86        | 20.95        | 21.05        | 22.00   |
|           |            | 50      | 0         | 20.79        | 20.76        | 20.63        | 22.00   |
|           |            | 50      | 25        | 20.83        | 20.76        | 20.78        | 22.00   |
|           |            | 50      | 50        | 20.75        | 20.73        | 20.95        | 22.00   |
|           |            | 100     | 0         | 20.75        | 20.73        | 20.80        | 22.00   |
|           | 64QAM      | 1       | 0         | 21.00        | 20.63        | 20.76        | 22.00   |
|           |            | 1       | 50        | 21.00        | 21.10        | 20.94        | 22.00   |
|           |            | 1       | 99        | 20.23        | 20.45        | 20.91        | 22.00   |
|           |            | 50      | 0         | 20.70        | 20.83        | 20.71        | 22.00   |
|           |            | 50      | 25        | 20.74        | 20.76        | 20.61        | 22.00   |
|           |            | 50      | 50        | 20.69        | 20.65        | 20.76        | 22.00   |
|           |            | 100     | 0         | 20.69        | 20.75        | 20.67        | 22.00   |



| LTE Band 4 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 19.98                | 20.03   | 19.93   | 21.00   |
|                        |            | 1       | 2         | 19.74                | 19.88   | 19.68   | 21.00   |
|                        |            | 1       | 5         | 19.97                | 20.00   | 19.65   | 21.00   |
|                        |            | 3       | 0         | 20.06                | 20.06   | 19.70   | 21.00   |
|                        |            | 3       | 1         | 19.96                | 20.08   | 19.82   | 21.00   |
|                        |            | 3       | 3         | 19.85                | 19.97   | 19.72   | 21.00   |
|                        | 16QAM      | 6       | 0         | 19.98                | 20.11   | 19.74   | 21.00   |
|                        |            | 1       | 0         | 19.99                | 19.99   | 19.90   | 21.00   |
|                        |            | 1       | 2         | 19.99                | 20.03   | 20.06   | 21.00   |
|                        |            | 1       | 5         | 19.88                | 19.98   | 19.56   | 21.00   |
|                        |            | 3       | 0         | 19.82                | 20.08   | 19.79   | 21.00   |
|                        |            | 3       | 1         | 19.85                | 20.05   | 19.77   | 21.00   |
|                        | 64QAM      | 3       | 3         | 20.01                | 20.00   | 19.96   | 21.00   |
|                        |            | 6       | 0         | 19.93                | 20.12   | 19.76   | 21.00   |
|                        |            | 1       | 0         | 19.97                | 20.03   | 19.84   | 21.00   |
|                        |            | 1       | 2         | 19.70                | 19.82   | 19.60   | 21.00   |
|                        |            | 1       | 5         | 19.88                | 19.96   | 19.57   | 21.00   |
|                        |            | 3       | 0         | 20.03                | 20.05   | 19.65   | 21.00   |
| 3MHz                   | QPSK       | 3       | 1         | 19.93                | 20.07   | 19.73   | 21.00   |
|                        |            | 3       | 3         | 19.77                | 19.94   | 19.65   | 21.00   |
|                        |            | 6       | 0         | 19.97                | 20.08   | 19.72   | 21.00   |
|                        |            | 1       | 0         | 19.75                | 20.06   | 19.80   | 21.00   |
|                        |            | 1       | 7         | 19.62                | 19.97   | 19.63   | 21.00   |
|                        |            | 1       | 14        | 19.97                | 20.02   | 19.59   | 21.00   |
|                        | 16QAM      | 8       | 0         | 20.02                | 20.12   | 19.84   | 21.00   |
|                        |            | 8       | 4         | 19.98                | 20.00   | 19.84   | 21.00   |
|                        |            | 8       | 7         | 19.87                | 20.01   | 19.88   | 21.00   |
|                        |            | 15      | 0         | 19.84                | 20.05   | 19.71   | 21.00   |
|                        |            | 1       | 0         | 19.98                | 19.89   | 19.92   | 21.00   |
|                        |            | 1       | 7         | 19.99                | 19.88   | 19.84   | 21.00   |
| 64QAM                  | 1          | 14      | 19.95     | 19.96                | 19.32   | 21.00   |         |
|                        | 8          | 0       | 20.01     | 20.11                | 19.93   | 21.00   |         |
|                        | 8          | 4       | 19.98     | 20.01                | 19.96   | 21.00   |         |
|                        | 8          | 7       | 19.98     | 20.03                | 19.92   | 21.00   |         |
|                        | 15         | 0       | 19.79     | 20.10                | 19.92   | 21.00   |         |
|                        | 1          | 0       | 19.64     | 19.95                | 19.74   | 21.00   |         |
|                        | 64QAM      | 1       | 7         | 19.57                | 19.87   | 19.58   | 21.00   |
|                        |            | 1       | 14        | 19.97                | 20.01   | 19.46   | 21.00   |
|                        |            | 8       | 0         | 19.97                | 20.04   | 19.83   | 21.00   |
|                        |            | 8       | 4         | 19.86                | 19.88   | 19.72   | 21.00   |
|                        |            | 8       | 7         | 19.84                | 19.89   | 19.81   | 21.00   |
|                        |            | 15      | 0         | 19.78                | 20.03   | 19.68   | 21.00   |



| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.97   | 19.98   | 19.85   | 21.00   |
|           |            | 1       | 13        | 20.12   | 19.99   | 19.81   | 21.00   |
|           |            | 1       | 24        | 19.82   | 19.96   | 19.22   | 21.00   |
|           |            | 12      | 0         | 20.09   | 20.08   | 19.85   | 21.00   |
|           |            | 12      | 6         | 19.91   | 20.01   | 19.92   | 21.00   |
|           |            | 12      | 13        | 19.91   | 20.03   | 19.76   | 21.00   |
|           |            | 25      | 0         | 19.95   | 20.00   | 19.94   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.98   | 20.10   | 19.90   | 21.00   |
|           |            | 1       | 13        | 19.99   | 20.06   | 19.99   | 21.00   |
|           |            | 1       | 24        | 19.93   | 20.00   | 19.42   | 21.00   |
|           |            | 12      | 0         | 19.99   | 19.89   | 19.93   | 21.00   |
|           |            | 12      | 6         | 20.00   | 19.88   | 19.85   | 21.00   |
|           |            | 12      | 13        | 19.96   | 19.74   | 19.73   | 21.00   |
|           |            | 25      | 0         | 19.89   | 19.68   | 20.00   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.91   | 19.88   | 19.74   | 21.00   |
|           |            | 1       | 13        | 20.05   | 19.87   | 19.72   | 21.00   |
|           |            | 1       | 24        | 19.81   | 19.85   | 19.21   | 21.00   |
|           |            | 12      | 0         | 19.96   | 20.04   | 19.73   | 21.00   |
|           |            | 12      | 6         | 19.91   | 19.99   | 19.89   | 21.00   |
|           |            | 12      | 13        | 19.84   | 20.00   | 19.75   | 21.00   |
|           |            | 25      | 0         | 19.87   | 19.88   | 19.91   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 19.97   | 20.10   | 19.93   | 21.00   |
|           |            | 1       | 25        | 19.95   | 20.03   | 19.78   | 21.00   |
|           |            | 1       | 49        | 20.11   | 20.05   | 19.65   | 21.00   |
|           |            | 25      | 0         | 20.07   | 20.03   | 19.99   | 21.00   |
|           |            | 25      | 13        | 19.99   | 20.10   | 20.00   | 21.00   |
|           |            | 25      | 25        | 19.94   | 20.12   | 20.03   | 21.00   |
|           |            | 50      | 0         | 19.83   | 20.08   | 20.01   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.05   | 19.99   | 20.01   | 21.00   |
|           |            | 1       | 25        | 20.03   | 19.98   | 19.99   | 21.00   |
|           |            | 1       | 49        | 20.10   | 20.00   | 19.98   | 21.00   |
|           |            | 25      | 0         | 19.83   | 20.03   | 19.93   | 21.00   |
|           |            | 25      | 13        | 19.98   | 20.01   | 19.93   | 21.00   |
|           |            | 25      | 25        | 19.68   | 19.92   | 19.91   | 21.00   |
|           |            | 50      | 0         | 19.85   | 20.02   | 20.03   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.87   | 20.07   | 19.89   | 21.00   |
|           |            | 1       | 25        | 19.85   | 19.94   | 19.78   | 21.00   |
|           |            | 1       | 49        | 20.06   | 20.05   | 19.63   | 21.00   |
|           |            | 25      | 0         | 20.06   | 19.96   | 19.94   | 21.00   |
|           |            | 25      | 13        | 19.92   | 19.98   | 19.99   | 21.00   |
|           |            | 25      | 25        | 19.90   | 20.12   | 20.00   | 21.00   |
|           |            | 50      | 0         | 19.73   | 19.95   | 20.01   | 21.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 20025        | 20175        | 20325        |         |
| 15MHz     | QPSK       | 1       | 0         | 20.03        | 20.06        | 20.01        | 21.00   |
|           |            | 1       | 38        | 19.44        | 19.70        | 19.34        | 21.00   |
|           |            | 1       | 74        | 19.47        | 19.44        | 19.56        | 21.00   |
|           |            | 36      | 0         | 19.49        | 19.70        | 19.47        | 21.00   |
|           |            | 36      | 18        | 19.32        | 19.64        | 19.44        | 21.00   |
|           |            | 36      | 39        | 19.32        | 19.66        | 19.49        | 21.00   |
|           |            | 75      | 0         | 19.36        | 19.58        | 19.34        | 21.00   |
|           | 16QAM      | 1       | 0         | 20.02        | 20.02        | 19.10        | 21.00   |
|           |            | 1       | 38        | 20.01        | 20.03        | 19.78        | 21.00   |
|           |            | 1       | 74        | 19.12        | 19.51        | 19.88        | 21.00   |
|           |            | 36      | 0         | 19.46        | 19.70        | 19.49        | 21.00   |
|           |            | 36      | 18        | 19.34        | 19.56        | 19.61        | 21.00   |
|           |            | 36      | 39        | 19.36        | 19.70        | 19.38        | 21.00   |
|           |            | 75      | 0         | 19.28        | 19.67        | 19.31        | 21.00   |
|           | 64QAM      | 1       | 0         | 19.96        | 19.97        | 19.89        | 21.00   |
|           |            | 1       | 38        | 19.31        | 19.62        | 19.25        | 21.00   |
|           |            | 1       | 74        | 19.38        | 19.35        | 19.49        | 21.00   |
|           |            | 36      | 0         | 19.40        | 19.60        | 19.37        | 21.00   |
|           |            | 36      | 18        | 19.28        | 19.64        | 19.36        | 21.00   |
|           |            | 36      | 39        | 19.21        | 19.63        | 19.44        | 21.00   |
|           |            | 75      | 0         | 19.32        | 19.49        | 19.23        | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 19.74        | 19.89        | 19.54        | 21.00   |
|           |            | 1       | 50        | <b>20.03</b> | <b>20.13</b> | <b>20.01</b> | 21.00   |
|           |            | 1       | 99        | 19.14        | 19.88        | 19.56        | 21.00   |
|           |            | 50      | 0         | <b>19.79</b> | <b>19.97</b> | <b>19.60</b> | 21.00   |
|           |            | 50      | 25        | 19.69        | 19.52        | 19.44        | 21.00   |
|           |            | 50      | 50        | 19.75        | 19.57        | 19.32        | 21.00   |
|           |            | 100     | 0         | 19.60        | <b>20.06</b> | 19.48        | 21.00   |
|           | 16QAM      | 1       | 0         | 20.05        | 20.00        | 20.00        | 21.00   |
|           |            | 1       | 50        | 20.06        | 20.01        | 19.81        | 21.00   |
|           |            | 1       | 99        | 19.24        | 19.73        | 19.32        | 21.00   |
|           |            | 50      | 0         | 19.96        | 19.79        | 19.57        | 21.00   |
|           |            | 50      | 25        | 19.71        | 19.64        | 19.36        | 21.00   |
|           |            | 50      | 50        | 19.73        | 19.60        | 19.43        | 21.00   |
|           |            | 100     | 0         | 19.99        | 19.61        | 19.36        | 21.00   |
|           | 64QAM      | 1       | 0         | 19.71        | 19.81        | 19.51        | 21.00   |
|           |            | 1       | 50        | 19.93        | 20.02        | 19.99        | 21.00   |
|           |            | 1       | 99        | 19.11        | 19.80        | 19.50        | 21.00   |
|           |            | 50      | 0         | 19.77        | 19.84        | 19.57        | 21.00   |
|           |            | 50      | 25        | 19.57        | 19.39        | 19.38        | 21.00   |
|           |            | 50      | 50        | 19.65        | 19.52        | 19.19        | 21.00   |
|           |            | 100     | 0         | 19.55        | 19.97        | 19.37        | 21.00   |



| LTE Band 4 Receiver off |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                  | QPSK       | 1       | 0         | 23.75                | 23.51   | 23.08   | 25.00   |
|                         |            | 1       | 2         | 24.14                | 23.53   | 23.02   | 25.00   |
|                         |            | 1       | 5         | 23.96                | 23.43   | 23.25   | 25.00   |
|                         |            | 3       | 0         | 23.90                | 23.55   | 23.43   | 25.00   |
|                         |            | 3       | 1         | 23.83                | 23.67   | 23.41   | 25.00   |
|                         |            | 3       | 3         | 23.92                | 23.59   | 23.21   | 25.00   |
|                         |            | 6       | 0         | 22.88                | 22.57   | 22.28   | 24.00   |
|                         | 16QAM      | 1       | 0         | 22.94                | 22.43   | 22.48   | 24.00   |
|                         |            | 1       | 2         | 23.44                | 23.19   | 22.97   | 24.00   |
|                         |            | 1       | 5         | 23.10                | 23.00   | 22.54   | 24.00   |
|                         |            | 3       | 0         | 22.77                | 22.57   | 22.11   | 24.00   |
|                         |            | 3       | 1         | 22.99                | 22.53   | 22.14   | 24.00   |
|                         |            | 3       | 3         | 22.78                | 22.48   | 22.24   | 24.00   |
|                         |            | 6       | 0         | 21.94                | 21.52   | 21.05   | 23.00   |
|                         | 64QAM      | 1       | 0         | 21.68                | 21.50   | 21.00   | 23.00   |
|                         |            | 1       | 2         | 22.01                | 21.52   | 21.06   | 23.00   |
|                         |            | 1       | 5         | 21.94                | 21.41   | 21.22   | 23.00   |
|                         |            | 3       | 0         | 21.82                | 21.55   | 21.31   | 23.00   |
|                         |            | 3       | 1         | 21.75                | 21.62   | 21.39   | 23.00   |
|                         |            | 3       | 3         | 21.87                | 21.47   | 21.11   | 23.00   |
|                         |            | 6       | 0         | 20.86                | 20.48   | 20.21   | 22.00   |
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                    | QPSK       | 1       | 0         | 23.93                | 23.52   | 23.20   | 25.00   |
|                         |            | 1       | 7         | 23.96                | 23.73   | 23.13   | 25.00   |
|                         |            | 1       | 14        | 23.83                | 23.68   | 23.24   | 25.00   |
|                         |            | 8       | 0         | 23.02                | 22.65   | 22.28   | 24.00   |
|                         |            | 8       | 4         | 22.91                | 22.64   | 22.34   | 24.00   |
|                         |            | 8       | 7         | 22.92                | 22.52   | 22.40   | 24.00   |
|                         |            | 15      | 0         | 23.04                | 22.58   | 22.34   | 24.00   |
|                         | 16QAM      | 1       | 0         | 23.23                | 23.21   | 23.07   | 24.00   |
|                         |            | 1       | 7         | 23.38                | 23.02   | 22.97   | 24.00   |
|                         |            | 1       | 14        | 22.64                | 22.88   | 22.38   | 24.00   |
|                         |            | 8       | 0         | 22.06                | 21.70   | 21.50   | 23.00   |
|                         |            | 8       | 4         | 22.08                | 21.66   | 21.55   | 23.00   |
|                         |            | 8       | 7         | 21.91                | 21.65   | 21.39   | 23.00   |
|                         |            | 15      | 0         | 22.16                | 21.57   | 21.32   | 23.00   |
|                         | 64QAM      | 1       | 0         | 21.88                | 21.43   | 21.17   | 23.00   |
|                         |            | 1       | 7         | 21.83                | 21.65   | 21.04   | 23.00   |
|                         |            | 1       | 14        | 21.74                | 21.56   | 21.14   | 23.00   |
|                         |            | 8       | 0         | 21.00                | 20.62   | 20.15   | 22.00   |
|                         |            | 8       | 4         | 20.81                | 20.56   | 20.28   | 22.00   |
|                         |            | 8       | 7         | 20.88                | 20.39   | 20.37   | 22.00   |
|                         |            | 15      | 0         | 21.02                | 20.55   | 20.34   | 22.00   |





| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.78   | 23.66   | 23.33   | 25.00   |
|           |            | 1       | 13        | 24.13   | 23.65   | 23.38   | 25.00   |
|           |            | 1       | 24        | 23.86   | 23.58   | 23.07   | 25.00   |
|           |            | 12      | 0         | 22.90   | 22.65   | 22.45   | 24.00   |
|           |            | 12      | 6         | 22.93   | 22.63   | 22.28   | 24.00   |
|           |            | 12      | 13        | 23.03   | 22.61   | 22.16   | 24.00   |
|           |            | 25      | 0         | 23.15   | 22.64   | 22.47   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.51   | 23.35   | 23.08   | 24.00   |
|           |            | 1       | 13        | 23.45   | 23.36   | 22.23   | 24.00   |
|           |            | 1       | 24        | 22.97   | 22.77   | 22.10   | 24.00   |
|           |            | 12      | 0         | 22.11   | 21.63   | 21.34   | 23.00   |
|           |            | 12      | 6         | 21.97   | 21.71   | 21.46   | 23.00   |
|           |            | 12      | 13        | 22.01   | 21.76   | 21.20   | 23.00   |
|           |            | 25      | 0         | 22.21   | 21.58   | 21.36   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.66   | 21.63   | 21.24   | 23.00   |
|           |            | 1       | 13        | 22.02   | 21.63   | 21.25   | 23.00   |
|           |            | 1       | 24        | 21.84   | 21.50   | 21.01   | 23.00   |
|           |            | 12      | 0         | 20.90   | 20.58   | 20.33   | 22.00   |
|           |            | 12      | 6         | 20.80   | 20.62   | 20.17   | 22.00   |
|           |            | 12      | 13        | 20.96   | 20.60   | 20.14   | 22.00   |
|           |            | 25      | 0         | 21.05   | 20.58   | 20.41   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 24.24   | 24.00   | 23.69   | 25.00   |
|           |            | 1       | 25        | 23.95   | 23.51   | 23.51   | 25.00   |
|           |            | 1       | 49        | 24.05   | 23.88   | 23.05   | 25.00   |
|           |            | 25      | 0         | 22.87   | 22.70   | 22.43   | 24.00   |
|           |            | 25      | 13        | 22.94   | 22.69   | 22.41   | 24.00   |
|           |            | 25      | 25        | 22.85   | 22.69   | 22.28   | 24.00   |
|           |            | 50      | 0         | 22.88   | 22.70   | 22.44   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.55   | 23.57   | 22.65   | 24.00   |
|           |            | 1       | 25        | 23.42   | 22.60   | 22.70   | 24.00   |
|           |            | 1       | 49        | 22.71   | 22.64   | 22.08   | 24.00   |
|           |            | 25      | 0         | 22.04   | 21.79   | 21.56   | 23.00   |
|           |            | 25      | 13        | 21.99   | 21.75   | 21.52   | 23.00   |
|           |            | 25      | 25        | 21.83   | 21.66   | 21.41   | 23.00   |
|           |            | 50      | 0         | 22.03   | 21.74   | 21.55   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.14   | 21.94   | 21.63   | 23.00   |
|           |            | 1       | 25        | 21.85   | 21.48   | 21.44   | 23.00   |
|           |            | 1       | 49        | 22.02   | 21.80   | 21.09   | 23.00   |
|           |            | 25      | 0         | 20.75   | 20.67   | 20.31   | 22.00   |
|           |            | 25      | 13        | 20.94   | 20.65   | 20.30   | 22.00   |
|           |            | 25      | 25        | 20.76   | 20.64   | 20.22   | 22.00   |
|           |            | 50      | 0         | 20.86   | 20.60   | 20.32   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 24.24   | 24.00   | 23.69   | 25.00   |
|           |            | 1       | 25        | 23.95   | 23.51   | 23.51   | 25.00   |
|           |            | 1       | 49        | 24.05   | 23.88   | 23.05   | 25.00   |
|           |            | 25      | 0         | 22.87   | 22.70   | 22.43   | 24.00   |
|           |            | 25      | 13        | 22.94   | 22.69   | 22.41   | 24.00   |
|           |            | 25      | 25        | 22.85   | 22.69   | 22.28   | 24.00   |
|           |            | 50      | 0         | 22.88   | 22.70   | 22.44   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.55   | 23.57   | 22.65   | 24.00   |
|           |            | 1       | 25        | 23.42   | 22.60   | 22.70   | 24.00   |
|           |            | 1       | 49        | 22.71   | 22.64   | 22.08   | 24.00   |
|           |            | 25      | 0         | 22.04   | 21.79   | 21.56   | 23.00   |
|           |            | 25      | 13        | 21.99   | 21.75   | 21.52   | 23.00   |
|           |            | 25      | 25        | 21.83   | 21.66   | 21.41   | 23.00   |
|           |            | 50      | 0         | 22.03   | 21.74   | 21.55   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.14   | 21.94   | 21.63   | 23.00   |
|           |            | 1       | 25        | 21.85   | 21.48   | 21.44   | 23.00   |
|           |            | 1       | 49        | 22.02   | 21.80   | 21.09   | 23.00   |
|           |            | 25      | 0         | 20.75   | 20.67   | 20.31   | 22.00   |
|           |            | 25      | 13        | 20.94   | 20.65   | 20.30   | 22.00   |
|           |            | 25      | 25        | 20.76   | 20.64   | 20.22   | 22.00   |
|           |            | 50      | 0         | 20.86   | 20.60   | 20.32   | 22.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 20025        | 20175        | 20325        |         |
| 15MHz     | QPSK       | 1       | 0         | 24.46        | 23.87        | 23.94        | 25.00   |
|           |            | 1       | 38        | 23.22        | 23.10        | 23.07        | 25.00   |
|           |            | 1       | 74        | 23.37        | 23.36        | 23.08        | 25.00   |
|           |            | 36      | 0         | 22.54        | 22.13        | 22.04        | 24.00   |
|           |            | 36      | 18        | 22.38        | 22.09        | 22.21        | 24.00   |
|           |            | 36      | 39        | 22.42        | 22.09        | 22.09        | 24.00   |
|           |            | 75      | 0         | 22.31        | 22.10        | 22.04        | 24.00   |
|           | 16QAM      | 1       | 0         | 23.09        | 22.66        | 22.33        | 24.00   |
|           |            | 1       | 38        | 22.65        | 22.52        | 22.35        | 24.00   |
|           |            | 1       | 74        | 22.08        | 22.04        | 22.03        | 24.00   |
|           |            | 36      | 0         | 21.65        | 21.11        | 21.01        | 23.00   |
|           |            | 36      | 18        | 21.26        | 21.20        | 21.06        | 23.00   |
|           |            | 36      | 39        | 21.30        | 21.06        | 21.04        | 23.00   |
|           |            | 75      | 0         | 21.30        | 21.17        | 21.02        | 23.00   |
|           | 64QAM      | 1       | 0         | 22.34        | 21.78        | 21.82        | 23.00   |
|           |            | 1       | 38        | 21.12        | 21.03        | 21.05        | 23.00   |
|           |            | 1       | 74        | 21.30        | 21.36        | 21.07        | 23.00   |
|           |            | 36      | 0         | 20.51        | 20.02        | 21.02        | 22.00   |
|           |            | 36      | 18        | 20.32        | 20.05        | 20.13        | 22.00   |
|           |            | 36      | 39        | 20.40        | 20.04        | 20.07        | 22.00   |
|           |            | 75      | 0         | 20.18        | 20.03        | 20.03        | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 23.21        | 23.04        | 23.06        | 25.00   |
|           |            | 1       | 50        | <b>23.88</b> | <b>23.92</b> | <b>23.42</b> | 25.00   |
|           |            | 1       | 99        | 23.04        | 23.07        | 23.09        | 25.00   |
|           |            | 50      | 0         | 22.46        | <b>22.47</b> | 22.00        | 24.00   |
|           |            | 50      | 25        | 22.29        | 22.31        | 22.08        | 24.00   |
|           |            | 50      | 50        | 22.32        | 22.06        | 22.07        | 24.00   |
|           |            | 100     | 0         | <b>22.21</b> | 22.09        | 22.09        | 24.00   |
|           | 16QAM      | 1       | 0         | 23.10        | 22.74        | 22.38        | 24.00   |
|           |            | 1       | 50        | 22.36        | 22.37        | 22.63        | 24.00   |
|           |            | 1       | 99        | 22.06        | 22.23        | 22.02        | 24.00   |
|           |            | 50      | 0         | 21.40        | 21.25        | 21.02        | 23.00   |
|           |            | 50      | 25        | 21.25        | 21.09        | 21.02        | 23.00   |
|           |            | 50      | 50        | 21.17        | 21.06        | 21.01        | 23.00   |
|           |            | 100     | 0         | 21.47        | 21.07        | 22.04        | 23.00   |
|           | 64QAM      | 1       | 0         | 21.15        | 21.03        | 21.09        | 23.00   |
|           |            | 1       | 50        | 21.72        | 21.83        | 21.35        | 23.00   |
|           |            | 1       | 99        | 21.05        | 21.04        | 21.02        | 23.00   |
|           |            | 50      | 0         | 20.36        | 20.18        | 20.09        | 22.00   |
|           |            | 50      | 25        | 20.16        | 20.32        | 20.08        | 22.00   |
|           |            | 50      | 50        | 20.19        | 20.03        | 20.09        | 22.00   |
|           |            | 100     | 0         | 20.18        | 20.03        | 20.06        | 22.00   |



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| LTE Band 5 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 23.05                | 23.01   | 22.96   | 24.00   |
|                        |            | 1       | 2         | 22.82                | 22.80   | 22.90   | 24.00   |
|                        |            | 1       | 5         | 22.89                | 22.85   | 22.78   | 24.00   |
|                        |            | 3       | 0         | 22.95                | 22.80   | 22.84   | 24.00   |
|                        |            | 3       | 2         | 22.91                | 22.91   | 22.98   | 24.00   |
|                        |            | 3       | 3         | 22.84                | 22.88   | 22.80   | 24.00   |
|                        | 16QAM      | 6       | 0         | 22.80                | 22.83   | 22.81   | 24.00   |
|                        |            | 1       | 0         | 22.75                | 22.85   | 23.00   | 24.00   |
|                        |            | 1       | 2         | 22.95                | 22.91   | 23.04   | 24.00   |
|                        |            | 1       | 5         | 22.86                | 23.08   | 23.01   | 24.00   |
|                        |            | 3       | 0         | 22.84                | 22.79   | 22.91   | 24.00   |
|                        |            | 3       | 2         | 22.87                | 22.86   | 23.05   | 24.00   |
|                        | 64QAM      | 3       | 3         | 22.80                | 22.93   | 22.85   | 24.00   |
|                        |            | 6       | 0         | 22.03                | 21.77   | 21.87   | 23.00   |
|                        |            | 1       | 0         | 21.75                | 21.81   | 21.97   | 23.00   |
|                        |            | 1       | 2         | 21.90                | 21.88   | 22.00   | 23.00   |
|                        |            | 1       | 5         | 21.81                | 22.05   | 21.98   | 23.00   |
|                        |            | 3       | 0         | 21.80                | 21.75   | 21.86   | 23.00   |
| 3MHz                   | QPSK       | 3       | 2         | 21.87                | 21.86   | 22.02   | 23.00   |
|                        |            | 3       | 3         | 21.80                | 21.91   | 21.84   | 23.00   |
|                        |            | 6       | 0         | 21.00                | 20.74   | 20.85   | 22.00   |
|                        |            | 1       | 0         | 22.87                | 22.87   | 22.96   | 24.00   |
|                        |            | 1       | 7         | 22.76                | 23.02   | 22.98   | 24.00   |
|                        |            | 1       | 14        | 22.83                | 22.74   | 22.79   | 24.00   |
|                        | 16QAM      | 8       | 0         | 22.89                | 22.87   | 22.94   | 24.00   |
|                        |            | 8       | 4         | 22.88                | 22.86   | 22.89   | 24.00   |
|                        |            | 8       | 7         | 22.83                | 22.86   | 22.94   | 24.00   |
|                        |            | 15      | 0         | 22.87                | 22.85   | 22.91   | 24.00   |
|                        |            | 1       | 0         | 22.75                | 22.95   | 22.71   | 24.00   |
|                        |            | 1       | 7         | 22.96                | 22.96   | 22.71   | 24.00   |
|                        | 64QAM      | 1       | 14        | 22.97                | 22.94   | 22.95   | 24.00   |
|                        |            | 8       | 0         | 21.89                | 21.95   | 22.10   | 23.00   |
|                        |            | 8       | 4         | 21.98                | 21.88   | 21.97   | 23.00   |
|                        |            | 8       | 7         | 21.87                | 21.96   | 21.99   | 23.00   |
|                        |            | 15      | 0         | 21.80                | 21.92   | 21.84   | 23.00   |
|                        |            | 1       | 0         | 21.75                | 21.90   | 21.66   | 23.00   |
| 64QAM                  | 1          | 7       | 21.94     | 21.95                | 21.67   | 23.00   |         |
|                        | 1          | 14      | 21.92     | 21.89                | 21.94   | 23.00   |         |
|                        | 8          | 0       | 20.84     | 20.93                | 21.10   | 22.00   |         |
|                        | 8          | 4       | 20.95     | 20.87                | 20.94   | 22.00   |         |
|                        | 8          | 7       | 20.84     | 20.95                | 20.98   | 22.00   |         |
|                        | 15         | 0       | 20.80     | 20.90                | 20.83   | 22.00   |         |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |       |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|-------|
|           |            |         |           | 20425   | 20525        | 20625   |         |       |
| 5MHz      | QPSK       | 1       | 0         | 22.92   | 23.03        | 23.01   | 24.00   |       |
|           |            | 1       | 13        | 22.87   | 22.87        | 22.86   | 24.00   |       |
|           |            | 1       | 24        | 22.95   | 22.82        | 22.94   | 24.00   |       |
|           |            | 12      | 0         | 22.97   | 22.88        | 22.91   | 24.00   |       |
|           |            | 12      | 6         | 22.89   | 22.95        | 22.98   | 24.00   |       |
|           |            | 12      | 13        | 22.92   | 22.90        | 22.97   | 24.00   |       |
|           | 16QAM      | 25      | 0         | 22.83   | 22.86        | 23.02   | 24.00   |       |
|           |            | 1       | 0         | 22.75   | 22.74        | 22.66   | 24.00   |       |
|           |            | 1       | 13        | 22.75   | 22.99        | 22.71   | 24.00   |       |
|           |            | 1       | 24        | 22.66   | 22.74        | 22.63   | 24.00   |       |
|           |            | 12      | 0         | 21.89   | 21.79        | 21.82   | 23.00   |       |
|           |            | 12      | 6         | 21.87   | 21.98        | 22.09   | 23.00   |       |
|           | 64QAM      | 12      | 13        | 21.81   | 21.85        | 21.95   | 23.00   |       |
|           |            | 25      | 0         | 21.93   | 21.90        | 22.11   | 23.00   |       |
|           |            | 1       | 0         | 21.74   | 21.90        | 21.70   | 23.00   |       |
|           |            | 1       | 13        | 21.95   | 21.92        | 21.69   | 23.00   |       |
|           |            | 1       | 24        | 21.93   | 21.91        | 21.95   | 23.00   |       |
|           |            | 12      | 0         | 20.88   | 20.93        | 21.06   | 22.00   |       |
|           | 10MHz      | QPSK    | 12        | 6       | 20.96        | 20.88   | 20.93   | 22.00 |
|           |            |         | 12        | 13      | 20.84        | 20.92   | 20.98   | 22.00 |
|           |            |         | 25        | 0       | 20.76        | 20.90   | 20.79   | 22.00 |
| 1         |            |         | 0         | 22.95   | 23.03        | 23.01   | 24.00   |       |
| 1         |            |         | 25        | 23.07   | <b>23.09</b> | 23.04   | 24.00   |       |
| 1         |            |         | 49        | 23.06   | 22.61        | 22.90   | 24.00   |       |
| 16QAM     |            | 25      | 0         | 22.84   | <b>23.07</b> | 22.95   | 24.00   |       |
|           |            | 25      | 13        | 22.95   | 22.92        | 22.90   | 24.00   |       |
|           |            | 25      | 25        | 22.86   | 23.00        | 22.97   | 24.00   |       |
|           |            | 50      | 0         | 22.91   | 22.96        | 22.93   | 24.00   |       |
|           |            | 1       | 0         | 22.97   | 22.75        | 22.90   | 24.00   |       |
|           |            | 1       | 25        | 22.86   | 23.00        | 22.75   | 24.00   |       |
| 64QAM     |            | 1       | 49        | 22.75   | 22.68        | 22.74   | 24.00   |       |
|           |            | 25      | 0         | 21.98   | 21.89        | 21.93   | 23.00   |       |
|           |            | 25      | 13        | 22.09   | 21.97        | 21.98   | 23.00   |       |
|           |            | 25      | 25        | 21.89   | 21.89        | 22.06   | 23.00   |       |
|           |            | 50      | 0         | 21.95   | 21.99        | 21.99   | 23.00   |       |
|           |            | 1       | 0         | 21.72   | 21.94        | 21.69   | 23.00   |       |
| 64QAM     |            | 1       | 25        | 21.93   | 21.93        | 21.70   | 23.00   |       |
|           |            | 1       | 49        | 21.93   | 21.92        | 21.90   | 23.00   |       |
|           |            | 25      | 0         | 20.86   | 20.92        | 21.07   | 22.00   |       |
|           | 25         | 13      | 20.93     | 20.83   | 20.97        | 22.00   |         |       |
|           | 25         | 25      | 20.87     | 20.96   | 20.94        | 22.00   |         |       |
|           | 50         | 0       | 20.78     | 20.91   | 20.84        | 22.00   |         |       |



| LTE Band 5 Receiver off |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                  | QPSK       | 1       | 0         | 23.79                | 23.83   | 23.82   | 25.00   |
|                         |            | 1       | 2         | 23.81                | 23.76   | 23.83   | 25.00   |
|                         |            | 1       | 5         | 23.79                | 23.79   | 23.67   | 25.00   |
|                         |            | 3       | 0         | 23.74                | 23.77   | 23.92   | 25.00   |
|                         |            | 3       | 2         | 23.89                | 23.80   | 23.88   | 25.00   |
|                         |            | 3       | 3         | 23.82                | 23.86   | 23.83   | 25.00   |
|                         | 16QAM      | 6       | 0         | 22.83                | 22.80   | 22.73   | 24.00   |
|                         |            | 1       | 0         | 23.28                | 23.11   | 22.96   | 24.00   |
|                         |            | 1       | 2         | 23.15                | 23.00   | 22.87   | 24.00   |
|                         |            | 1       | 5         | 23.22                | 22.87   | 23.16   | 24.00   |
|                         |            | 3       | 0         | 22.89                | 22.81   | 22.89   | 24.00   |
|                         |            | 3       | 2         | 22.86                | 22.90   | 22.92   | 24.00   |
|                         | 64QAM      | 3       | 3         | 22.95                | 22.73   | 22.84   | 24.00   |
|                         |            | 6       | 0         | 22.45                | 22.65   | 22.45   | 23.00   |
|                         |            | 1       | 0         | 22.26                | 22.08   | 21.96   | 23.00   |
|                         |            | 1       | 2         | 22.11                | 21.97   | 21.82   | 23.00   |
|                         |            | 1       | 5         | 22.21                | 21.85   | 22.11   | 23.00   |
|                         |            | 3       | 0         | 21.88                | 21.79   | 21.88   | 23.00   |
| 3MHz                    | QPSK       | 3       | 2         | 21.83                | 21.86   | 21.89   | 23.00   |
|                         |            | 3       | 3         | 21.93                | 21.72   | 21.84   | 23.00   |
|                         |            | 6       | 0         | 20.88                | 20.89   | 20.83   | 22.00   |
|                         |            | 1       | 0         | 24.04                | 24.01   | 23.96   | 25.00   |
|                         |            | 1       | 7         | 23.98                | 23.82   | 23.87   | 25.00   |
|                         |            | 1       | 14        | 23.77                | 23.80   | 23.84   | 25.00   |
|                         | 16QAM      | 8       | 0         | 22.84                | 22.79   | 22.91   | 24.00   |
|                         |            | 8       | 4         | 22.77                | 22.83   | 22.84   | 24.00   |
|                         |            | 8       | 7         | 22.78                | 22.82   | 22.77   | 24.00   |
|                         |            | 15      | 0         | 22.89                | 22.83   | 22.90   | 24.00   |
|                         |            | 1       | 0         | 23.23                | 22.96   | 23.16   | 24.00   |
|                         |            | 1       | 7         | 23.14                | 23.18   | 23.02   | 24.00   |
|                         | 64QAM      | 1       | 14        | 23.18                | 22.68   | 23.08   | 24.00   |
|                         |            | 8       | 0         | 21.78                | 21.88   | 21.97   | 23.00   |
|                         |            | 8       | 4         | 21.91                | 21.87   | 22.04   | 23.00   |
|                         |            | 8       | 7         | 21.88                | 21.91   | 22.02   | 23.00   |
|                         |            | 15      | 0         | 21.93                | 21.80   | 21.87   | 23.00   |
|                         |            | 1       | 0         | 22.22                | 21.96   | 22.14   | 23.00   |
| 64QAM                   | 1          | 7       | 22.09     | 22.16                | 21.97   | 23.00   |         |
|                         | 1          | 14      | 22.18     | 21.64                | 22.07   | 23.00   |         |
|                         | 8          | 0       | 20.76     | 20.88                | 20.93   | 22.00   |         |
|                         | 8          | 4       | 20.91     | 20.84                | 21.02   | 22.00   |         |
|                         | 8          | 7       | 20.84     | 20.88                | 21.02   | 22.00   |         |
|                         | 15         | 0       | 20.90     | 20.79                | 20.84   | 22.00   |         |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            |         |           | 20425   | 20525        | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.98   | 24.03        | 23.77   | 25.00   |
|           |            | 1       | 13        | 23.77   | 23.86        | 23.99   | 25.00   |
|           |            | 1       | 24        | 23.96   | 23.80        | 23.92   | 25.00   |
|           |            | 12      | 0         | 22.89   | 22.78        | 22.91   | 24.00   |
|           |            | 12      | 6         | 22.87   | 22.88        | 22.87   | 24.00   |
|           |            | 12      | 13        | 22.82   | 22.85        | 22.84   | 24.00   |
|           |            | 25      | 0         | 22.82   | 22.91        | 22.90   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.97   | 23.15        | 22.95   | 24.00   |
|           |            | 1       | 13        | 23.02   | 22.81        | 23.01   | 24.00   |
|           |            | 1       | 24        | 23.22   | 23.23        | 23.16   | 24.00   |
|           |            | 12      | 0         | 22.03   | 21.84        | 21.83   | 23.00   |
|           |            | 12      | 6         | 21.95   | 21.74        | 22.02   | 23.00   |
|           |            | 12      | 13        | 21.86   | 21.83        | 22.00   | 23.00   |
|           |            | 25      | 0         | 21.93   | 21.85        | 21.87   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.21   | 21.95        | 22.16   | 23.00   |
|           |            | 1       | 13        | 22.13   | 22.13        | 22.00   | 23.00   |
|           |            | 1       | 24        | 22.16   | 21.66        | 22.06   | 23.00   |
|           |            | 12      | 0         | 20.77   | 20.87        | 20.94   | 22.00   |
|           |            | 12      | 6         | 20.89   | 20.82        | 20.99   | 22.00   |
|           |            | 12      | 13        | 20.85   | 20.88        | 21.01   | 22.00   |
|           |            | 25      | 0         | 20.88   | 20.75        | 20.86   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 23.99   | 23.95        | 24.09   | 25.00   |
|           |            | 1       | 25        | 24.05   | <b>24.15</b> | 24.12   | 25.00   |
|           |            | 1       | 49        | 24.00   | 23.53        | 24.11   | 25.00   |
|           |            | 25      | 0         | 22.84   | <b>22.99</b> | 22.98   | 24.00   |
|           |            | 25      | 13        | 22.98   | 22.92        | 22.97   | 24.00   |
|           |            | 25      | 25        | 22.89   | 22.92        | 22.97   | 24.00   |
|           |            | 50      | 0         | 22.75   | 23.01        | 22.90   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.25   | 23.01        | 23.16   | 24.00   |
|           |            | 1       | 25        | 23.23   | 23.03        | 22.91   | 24.00   |
|           |            | 1       | 49        | 23.22   | 22.38        | 23.13   | 24.00   |
|           |            | 25      | 0         | 21.86   | 22.05        | 22.00   | 23.00   |
|           |            | 25      | 13        | 21.98   | 21.88        | 22.05   | 23.00   |
|           |            | 25      | 25        | 21.90   | 21.88        | 22.05   | 23.00   |
|           |            | 50      | 0         | 21.81   | 21.94        | 21.95   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.18   | 21.94        | 22.12   | 23.00   |
|           |            | 1       | 25        | 22.13   | 22.13        | 21.99   | 23.00   |
|           |            | 1       | 49        | 22.18   | 21.68        | 22.05   | 23.00   |
|           |            | 25      | 0         | 20.74   | 20.83        | 20.97   | 22.00   |
|           |            | 25      | 13        | 20.89   | 20.83        | 21.04   | 22.00   |
|           |            | 25      | 25        | 20.84   | 20.88        | 21.00   | 22.00   |
|           |            | 50      | 0         | 20.91   | 20.75        | 20.82   | 22.00   |



| LTE Band 7 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                   | QPSK       | 1       | 0         | 19.16                | 19.15   | 19.17   | 20.50   |
|                        |            | 1       | 13        | 19.28                | 19.49   | 19.48   | 20.50   |
|                        |            | 1       | 24        | 19.20                | 19.28   | 19.50   | 20.50   |
|                        |            | 12      | 0         | 19.20                | 19.35   | 19.33   | 20.50   |
|                        |            | 12      | 6         | 19.34                | 19.31   | 19.50   | 20.50   |
|                        |            | 12      | 13        | 19.32                | 19.39   | 19.46   | 20.50   |
|                        |            | 25      | 0         | 19.40                | 19.37   | 19.46   | 20.50   |
|                        | 16QAM      | 1       | 0         | 19.50                | 19.41   | 19.25   | 20.50   |
|                        |            | 1       | 13        | 19.22                | 19.42   | 19.52   | 20.50   |
|                        |            | 1       | 24        | 19.35                | 19.53   | 19.19   | 20.50   |
|                        |            | 12      | 0         | 19.34                | 19.40   | 19.46   | 20.50   |
|                        |            | 12      | 6         | 19.35                | 19.47   | 19.44   | 20.50   |
|                        |            | 12      | 13        | 19.31                | 19.41   | 19.35   | 20.50   |
|                        |            | 25      | 0         | 19.46                | 19.54   | 19.50   | 20.50   |
|                        | 64QAM      | 1       | 0         | 19.50                | 19.37   | 19.22   | 20.50   |
|                        |            | 1       | 13        | 19.18                | 19.42   | 19.49   | 20.50   |
|                        |            | 1       | 24        | 19.35                | 19.52   | 19.18   | 20.50   |
|                        |            | 12      | 0         | 19.30                | 19.39   | 19.42   | 20.50   |
|                        |            | 12      | 6         | 19.30                | 19.46   | 19.40   | 20.50   |
|                        |            | 12      | 13        | 19.27                | 19.36   | 19.32   | 20.50   |
|                        |            | 25      | 0         | 19.46                | 19.50   | 19.47   | 20.50   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz                  | QPSK       | 1       | 0         | 19.07                | 19.12   | 19.08   | 20.50   |
|                        |            | 1       | 25        | 19.18                | 19.43   | 19.47   | 20.50   |
|                        |            | 1       | 49        | 19.18                | 19.23   | 19.42   | 20.50   |
|                        |            | 25      | 0         | 19.16                | 19.30   | 19.28   | 20.50   |
|                        |            | 25      | 13        | 19.31                | 19.21   | 19.48   | 20.50   |
|                        |            | 25      | 25        | 19.29                | 19.33   | 19.46   | 20.50   |
|                        |            | 50      | 0         | 19.40                | 19.27   | 19.46   | 20.50   |
|                        | 16QAM      | 1       | 0         | 19.40                | 19.31   | 19.22   | 20.50   |
|                        |            | 1       | 25        | 19.13                | 19.36   | 19.47   | 20.50   |
|                        |            | 1       | 49        | 19.25                | 19.46   | 19.17   | 20.50   |
|                        |            | 25      | 0         | 19.24                | 19.31   | 19.46   | 20.50   |
|                        |            | 25      | 13        | 19.35                | 19.42   | 19.40   | 20.50   |
|                        |            | 25      | 25        | 19.29                | 19.39   | 19.29   | 20.50   |
|                        |            | 50      | 0         | 19.39                | 19.44   | 19.41   | 20.50   |
|                        | 64QAM      | 1       | 0         | 19.49                | 19.40   | 19.22   | 20.50   |
|                        |            | 1       | 25        | 19.17                | 19.38   | 19.48   | 20.50   |
|                        |            | 1       | 49        | 19.33                | 19.48   | 19.18   | 20.50   |
|                        |            | 25      | 0         | 19.34                | 19.37   | 19.41   | 20.50   |
|                        |            | 25      | 13        | 19.35                | 19.46   | 19.39   | 20.50   |
|                        |            | 25      | 25        | 19.27                | 19.36   | 19.33   | 20.50   |
|                        |            | 50      | 0         | 19.46                | 19.50   | 19.48   | 20.50   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz                  | QPSK       | 1       | 0         | 19.07                | 19.12   | 19.08   | 20.50   |
|                        |            | 1       | 25        | 19.18                | 19.43   | 19.47   | 20.50   |
|                        |            | 1       | 49        | 19.18                | 19.23   | 19.42   | 20.50   |
|                        |            | 25      | 0         | 19.16                | 19.30   | 19.28   | 20.50   |
|                        |            | 25      | 13        | 19.31                | 19.21   | 19.48   | 20.50   |
|                        |            | 25      | 25        | 19.29                | 19.33   | 19.46   | 20.50   |
|                        |            | 50      | 0         | 19.40                | 19.27   | 19.46   | 20.50   |
|                        | 16QAM      | 1       | 0         | 19.40                | 19.31   | 19.22   | 20.50   |
|                        |            | 1       | 25        | 19.13                | 19.36   | 19.47   | 20.50   |
|                        |            | 1       | 49        | 19.25                | 19.46   | 19.17   | 20.50   |
|                        |            | 25      | 0         | 19.24                | 19.31   | 19.46   | 20.50   |
|                        |            | 25      | 13        | 19.35                | 19.42   | 19.40   | 20.50   |
|                        |            | 25      | 25        | 19.29                | 19.39   | 19.29   | 20.50   |
|                        |            | 50      | 0         | 19.39                | 19.44   | 19.41   | 20.50   |
|                        | 64QAM      | 1       | 0         | 19.49                | 19.40   | 19.22   | 20.50   |
|                        |            | 1       | 25        | 19.17                | 19.38   | 19.48   | 20.50   |
|                        |            | 1       | 49        | 19.33                | 19.48   | 19.18   | 20.50   |
|                        |            | 25      | 0         | 19.34                | 19.37   | 19.41   | 20.50   |
|                        |            | 25      | 13        | 19.35                | 19.46   | 19.39   | 20.50   |
|                        |            | 25      | 25        | 19.27                | 19.36   | 19.33   | 20.50   |
|                        |            | 50      | 0         | 19.46                | 19.50   | 19.48   | 20.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 20825        | 21100        | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 19.12        | 19.08        | 19.15        | 20.50   |
|           |            | 1       | 38        | 19.22        | 19.45        | 19.48        | 20.50   |
|           |            | 1       | 74        | 19.15        | 19.18        | 19.47        | 20.50   |
|           |            | 36      | 0         | 19.10        | 19.27        | 19.30        | 20.50   |
|           |            | 36      | 18        | 19.29        | 19.25        | 19.41        | 20.50   |
|           |            | 36      | 39        | 19.26        | 19.35        | 19.41        | 20.50   |
|           |            | 75      | 0         | 19.30        | 19.27        | 19.37        | 20.50   |
|           | 16QAM      | 1       | 0         | 19.41        | 19.36        | 19.20        | 20.50   |
|           |            | 1       | 38        | 19.13        | 19.42        | 19.43        | 20.50   |
|           |            | 1       | 74        | 19.29        | 19.50        | 19.09        | 20.50   |
|           |            | 36      | 0         | 19.30        | 19.36        | 19.42        | 20.50   |
|           |            | 36      | 18        | 19.28        | 19.43        | 19.40        | 20.50   |
|           |            | 36      | 39        | 19.26        | 19.40        | 19.29        | 20.50   |
|           |            | 75      | 0         | 19.43        | 19.49        | 19.45        | 20.50   |
|           | 64QAM      | 1       | 0         | 19.48        | 19.38        | 19.25        | 20.50   |
|           |            | 1       | 38        | 19.20        | 19.41        | 19.48        | 20.50   |
|           |            | 1       | 74        | 19.31        | 19.51        | 19.17        | 20.50   |
|           |            | 36      | 0         | 19.33        | 19.40        | 19.45        | 20.50   |
|           |            | 36      | 18        | 19.35        | 19.45        | 19.40        | 20.50   |
|           |            | 36      | 39        | 19.31        | 19.41        | 19.32        | 20.50   |
|           |            | 75      | 0         | 19.44        | 19.44        | 19.45        | 20.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 19.21        | 19.57        | 19.19        | 20.50   |
|           |            | 1       | 50        | <b>19.31</b> | <b>19.61</b> | <b>19.61</b> | 20.50   |
|           |            | 1       | 99        | 19.26        | 19.29        | 19.56        | 20.50   |
|           |            | 50      | 0         | 19.39        | <b>19.51</b> | 19.50        | 20.50   |
|           |            | 50      | 25        | 19.38        | 19.37        | 19.36        | 20.50   |
|           |            | 50      | 50        | 19.35        | 19.42        | 19.49        | 20.50   |
|           |            | 100     | 0         | 19.42        | 19.38        | <b>19.56</b> | 20.50   |
|           | 16QAM      | 1       | 0         | 19.59        | 19.46        | 19.32        | 20.50   |
|           |            | 1       | 50        | 19.25        | 19.44        | 19.55        | 20.50   |
|           |            | 1       | 99        | 19.40        | 19.54        | 19.24        | 20.50   |
|           |            | 50      | 0         | 19.42        | 19.48        | 19.56        | 20.50   |
|           |            | 50      | 25        | 19.38        | 19.55        | 19.50        | 20.50   |
|           |            | 50      | 50        | 19.35        | 19.45        | 19.39        | 20.50   |
|           |            | 100     | 0         | 19.55        | 19.45        | 19.45        | 20.50   |
|           | 64QAM      | 1       | 0         | 19.47        | 19.41        | 19.22        | 20.50   |
|           |            | 1       | 50        | 19.21        | 19.42        | 19.51        | 20.50   |
|           |            | 1       | 99        | 19.33        | 19.49        | 19.15        | 20.50   |
|           |            | 50      | 0         | 19.30        | 19.39        | 19.43        | 20.50   |
|           |            | 50      | 25        | 19.34        | 19.47        | 19.43        | 20.50   |
|           |            | 50      | 50        | 19.28        | 19.37        | 19.34        | 20.50   |
|           |            | 100     | 0         | 19.43        | 19.49        | 19.46        | 20.50   |





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| LTE Band 7 Receiver off |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                    | QPSK       | 1       | 0         | 18.64                | 18.63   | 18.65   | 20.00   |
|                         |            | 1       | 13        | 18.78                | 18.97   | 18.98   | 20.00   |
|                         |            | 1       | 24        | 18.70                | 18.77   | 18.98   | 20.00   |
|                         |            | 12      | 0         | 18.70                | 18.85   | 18.83   | 20.00   |
|                         |            | 12      | 6         | 18.83                | 18.79   | 18.99   | 20.00   |
|                         |            | 12      | 13        | 18.82                | 18.88   | 18.96   | 20.00   |
|                         |            | 25      | 0         | 18.89                | 18.85   | 18.96   | 20.00   |
|                         | 16QAM      | 1       | 0         | 18.99                | 18.89   | 18.73   | 20.00   |
|                         |            | 1       | 13        | 18.70                | 18.92   | 19.02   | 20.00   |
|                         |            | 1       | 24        | 18.84                | 19.03   | 18.67   | 20.00   |
|                         |            | 12      | 0         | 18.83                | 18.88   | 18.94   | 20.00   |
|                         |            | 12      | 6         | 18.84                | 18.95   | 18.94   | 20.00   |
|                         |            | 12      | 13        | 18.79                | 18.91   | 18.83   | 20.00   |
|                         |            | 25      | 0         | 18.95                | 19.03   | 18.98   | 20.00   |
|                         | 64QAM      | 1       | 0         | 18.97                | 18.87   | 18.68   | 20.00   |
|                         |            | 1       | 13        | 18.66                | 18.87   | 18.97   | 20.00   |
|                         |            | 1       | 24        | 18.79                | 19.03   | 18.67   | 20.00   |
|                         |            | 12      | 0         | 18.83                | 18.85   | 18.89   | 20.00   |
|                         |            | 12      | 6         | 18.84                | 18.94   | 18.91   | 20.00   |
|                         |            | 12      | 13        | 18.76                | 18.87   | 18.79   | 20.00   |
|                         |            | 25      | 0         | 18.91                | 19.01   | 18.98   | 20.00   |
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz                   | QPSK       | 1       | 0         | 18.55                | 18.62   | 18.56   | 20.00   |
|                         |            | 1       | 25        | 18.68                | 18.91   | 18.97   | 20.00   |
|                         |            | 1       | 49        | 18.66                | 18.72   | 18.92   | 20.00   |
|                         |            | 25      | 0         | 18.65                | 18.78   | 18.78   | 20.00   |
|                         |            | 25      | 13        | 18.80                | 18.69   | 18.97   | 20.00   |
|                         |            | 25      | 25        | 18.77                | 18.83   | 18.95   | 20.00   |
|                         |            | 50      | 0         | 18.90                | 18.75   | 18.96   | 20.00   |
|                         | 16QAM      | 1       | 0         | 18.89                | 18.79   | 18.70   | 20.00   |
|                         |            | 1       | 25        | 18.63                | 18.86   | 18.96   | 20.00   |
|                         |            | 1       | 49        | 18.74                | 18.96   | 18.67   | 20.00   |
|                         |            | 25      | 0         | 18.74                | 18.80   | 18.94   | 20.00   |
|                         |            | 25      | 13        | 18.83                | 18.90   | 18.89   | 20.00   |
|                         |            | 25      | 25        | 18.78                | 18.89   | 18.78   | 20.00   |
|                         |            | 50      | 0         | 18.88                | 18.92   | 18.90   | 20.00   |
|                         | 64QAM      | 1       | 0         | 18.96                | 18.88   | 18.68   | 20.00   |
|                         |            | 1       | 25        | 18.70                | 18.91   | 18.98   | 20.00   |
|                         |            | 1       | 49        | 18.82                | 19.02   | 18.62   | 20.00   |
|                         |            | 25      | 0         | 18.79                | 18.85   | 18.93   | 20.00   |
|                         |            | 25      | 13        | 18.83                | 18.94   | 18.89   | 20.00   |
|                         |            | 25      | 25        | 18.76                | 18.89   | 18.80   | 20.00   |
|                         |            | 50      | 0         | 18.90                | 18.98   | 18.96   | 20.00   |
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 20800                | 21100   | 21400   |         |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 20825        | 21100        | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 18.60        | 18.57        | 18.64        | 20.00   |
|           |            | 1       | 38        | 18.70        | 18.93        | 18.98        | 20.00   |
|           |            | 1       | 74        | 18.63        | 18.68        | 18.96        | 20.00   |
|           |            | 36      | 0         | 18.59        | 18.76        | 18.80        | 20.00   |
|           |            | 36      | 18        | 18.77        | 18.75        | 18.91        | 20.00   |
|           |            | 36      | 39        | 18.76        | 18.83        | 18.90        | 20.00   |
|           |            | 75      | 0         | 18.79        | 18.77        | 18.87        | 20.00   |
|           | 16QAM      | 1       | 0         | 18.90        | 18.84        | 18.70        | 20.00   |
|           |            | 1       | 38        | 18.62        | 18.90        | 18.91        | 20.00   |
|           |            | 1       | 74        | 18.79        | 18.98        | 18.57        | 20.00   |
|           |            | 36      | 0         | 18.80        | 18.86        | 18.91        | 20.00   |
|           |            | 36      | 18        | 18.77        | 18.91        | 18.88        | 20.00   |
|           |            | 36      | 39        | 18.76        | 18.90        | 18.78        | 20.00   |
|           |            | 75      | 0         | 18.92        | 18.97        | 18.93        | 20.00   |
|           | 64QAM      | 1       | 0         | 18.97        | 18.85        | 18.69        | 20.00   |
|           |            | 1       | 38        | 18.66        | 18.88        | 19.01        | 20.00   |
|           |            | 1       | 74        | 18.82        | 18.98        | 18.67        | 20.00   |
|           |            | 36      | 0         | 18.78        | 18.87        | 18.89        | 20.00   |
|           |            | 36      | 18        | 18.82        | 18.91        | 18.92        | 20.00   |
|           |            | 36      | 39        | 18.78        | 18.91        | 18.82        | 20.00   |
|           |            | 75      | 0         | 18.95        | 19.00        | 18.95        | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 18.69        | 19.05        | 18.69        | 20.00   |
|           |            | 1       | 50        | 18.93        | <b>19.11</b> | 19.11        | 20.00   |
|           |            | 1       | 99        | 18.75        | 18.79        | 19.05        | 20.00   |
|           |            | 50      | 0         | <b>18.98</b> | <b>19.04</b> | <b>19.00</b> | 20.00   |
|           |            | 50      | 25        | 18.88        | 18.86        | 18.95        | 20.00   |
|           |            | 50      | 50        | 18.83        | 18.92        | 18.92        | 20.00   |
|           |            | 100     | 0         | 18.92        | 18.88        | <b>19.05</b> | 20.00   |
|           | 16QAM      | 1       | 0         | 19.09        | 18.94        | 18.82        | 20.00   |
|           |            | 1       | 50        | 18.73        | 18.94        | 19.04        | 20.00   |
|           |            | 1       | 99        | 18.90        | 19.02        | 18.72        | 20.00   |
|           |            | 50      | 0         | 18.92        | 18.97        | 19.06        | 20.00   |
|           |            | 50      | 25        | 18.86        | 19.03        | 18.99        | 20.00   |
|           |            | 50      | 50        | 18.84        | 18.94        | 18.87        | 20.00   |
|           |            | 100     | 0         | 19.03        | 18.93        | 18.93        | 20.00   |
|           | 64QAM      | 1       | 0         | 18.95        | 18.84        | 18.73        | 20.00   |
|           |            | 1       | 50        | 18.66        | 18.91        | 18.99        | 20.00   |
|           |            | 1       | 99        | 18.79        | 19.02        | 18.67        | 20.00   |
|           |            | 50      | 0         | 18.82        | 18.86        | 18.89        | 20.00   |
|           |            | 50      | 25        | 18.83        | 18.94        | 18.94        | 20.00   |
|           |            | 50      | 50        | 18.77        | 18.90        | 18.83        | 20.00   |
|           |            | 100     | 0         | 18.94        | 18.98        | 18.93        | 20.00   |



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| LTE Band 38 |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|             |            |         |           | 37775                | 38000   | 38225   |         |
| 5MHz        | QPSK       | 1       | 0         | 21.68                | 21.81   | 21.97   | 23.00   |
|             |            | 1       | 13        | 21.65                | 21.73   | 21.94   | 23.00   |
|             |            | 1       | 24        | 21.59                | 21.64   | 21.79   | 23.00   |
|             |            | 12      | 0         | 21.54                | 21.78   | 21.70   | 23.00   |
|             |            | 12      | 6         | 21.57                | 21.75   | 21.94   | 23.00   |
|             |            | 12      | 13        | 21.68                | 21.87   | 22.02   | 23.00   |
|             |            | 25      | 0         | 21.71                | 21.87   | 21.95   | 23.00   |
|             | 16QAM      | 1       | 0         | 21.81                | 21.96   | 21.97   | 23.00   |
|             |            | 1       | 13        | 21.71                | 21.84   | 22.01   | 23.00   |
|             |            | 1       | 24        | 21.78                | 21.78   | 21.89   | 23.00   |
|             |            | 12      | 0         | 21.49                | 21.80   | 22.02   | 23.00   |
|             |            | 12      | 6         | 21.60                | 21.76   | 22.01   | 23.00   |
|             |            | 12      | 13        | 21.62                | 21.76   | 22.01   | 23.00   |
|             |            | 25      | 0         | 21.71                | 21.85   | 21.90   | 23.00   |
|             | 64QAM      | 1       | 0         | 21.63                | 21.92   | 21.91   | 23.00   |
|             |            | 1       | 13        | 21.82                | 22.00   | 21.84   | 23.00   |
|             |            | 1       | 24        | 21.81                | 21.29   | 21.85   | 23.00   |
|             |            | 12      | 0         | 20.65                | 20.89   | 20.89   | 22.00   |
|             |            | 12      | 6         | 20.94                | 20.44   | 20.98   | 22.00   |
|             |            | 12      | 13        | 20.88                | 20.85   | 20.99   | 22.00   |
|             |            | 25      | 0         | 20.89                | 20.89   | 20.78   | 22.00   |
| Bandwidth   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 10MHz       | QPSK       | 1       | 0         | 21.37                | 21.45   | 21.73   | 23.00   |
|             |            | 1       | 25        | 21.47                | 21.66   | 21.76   | 23.00   |
|             |            | 1       | 49        | 21.96                | 21.64   | 21.91   | 23.00   |
|             |            | 25      | 0         | 21.74                | 21.83   | 21.98   | 23.00   |
|             |            | 25      | 13        | 21.68                | 21.89   | 21.82   | 23.00   |
|             |            | 25      | 25        | 21.76                | 21.92   | 21.85   | 23.00   |
|             |            | 50      | 0         | 21.63                | 21.92   | 21.91   | 23.00   |
|             | 16QAM      | 1       | 0         | 21.82                | 22.00   | 21.84   | 23.00   |
|             |            | 1       | 25        | 21.76                | 22.01   | 21.85   | 23.00   |
|             |            | 1       | 49        | 21.81                | 21.29   | 21.96   | 23.00   |
|             |            | 25      | 0         | 21.68                | 21.75   | 21.70   | 23.00   |
|             |            | 25      | 13        | 21.62                | 21.86   | 21.95   | 23.00   |
|             |            | 25      | 25        | 21.70                | 21.78   | 21.91   | 23.00   |
|             |            | 50      | 0         | 21.59                | 21.74   | 22.05   | 23.00   |
|             | 64QAM      | 1       | 0         | 21.74                | 22.00   | 22.02   | 23.00   |
|             |            | 1       | 25        | 22.00                | 21.90   | 21.72   | 23.00   |
|             |            | 1       | 49        | 21.97                | 21.54   | 21.77   | 23.00   |
|             |            | 25      | 0         | 20.97                | 20.63   | 20.42   | 22.00   |
|             |            | 25      | 13        | 20.94                | 20.56   | 20.64   | 22.00   |
|             |            | 25      | 25        | 20.87                | 20.56   | 20.56   | 22.00   |
|             |            | 50      | 0         | 20.98                | 20.60   | 20.32   | 22.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            |         |           | 37825   | 38000        | 38175   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.55   | 21.68        | 22.00   | 23.00   |
|           |            | 1       | 38        | 21.85   | 21.86        | 21.95   | 23.00   |
|           |            | 1       | 74        | 21.96   | 21.85        | 22.00   | 23.00   |
|           |            | 36      | 0         | 21.70   | 22.04        | 21.92   | 23.00   |
|           |            | 36      | 18        | 21.71   | 22.05        | 21.84   | 23.00   |
|           |            | 36      | 39        | 21.86   | 21.95        | 22.00   | 23.00   |
|           |            | 75      | 0         | 21.93   | 21.95        | 22.05   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.60   | 22.01        | 22.00   | 23.00   |
|           |            | 1       | 38        | 22.00   | 21.77        | 21.92   | 23.00   |
|           |            | 1       | 74        | 21.78   | 21.89        | 21.79   | 23.00   |
|           |            | 36      | 0         | 21.86   | 21.96        | 21.99   | 23.00   |
|           |            | 36      | 18        | 21.83   | 21.96        | 22.01   | 23.00   |
|           |            | 36      | 39        | 22.00   | 21.93        | 21.84   | 23.00   |
|           |            | 75      | 0         | 21.76   | 22.01        | 21.98   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.72   | 21.88        | 22.04   | 23.00   |
|           |            | 1       | 38        | 21.89   | 21.91        | 21.67   | 23.00   |
|           |            | 1       | 74        | 21.97   | 21.56        | 21.79   | 23.00   |
|           |            | 36      | 0         | 20.97   | 20.60        | 20.41   | 22.00   |
|           |            | 36      | 18        | 20.92   | 20.57        | 20.64   | 22.00   |
|           |            | 36      | 39        | 20.89   | 20.55        | 20.56   | 22.00   |
|           |            | 75      | 0         | 20.97   | 20.55        | 20.31   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.82   | 21.39        | 21.77   | 23.00   |
|           |            | 1       | 50        | 21.84   | <b>22.06</b> | 22.06   | 23.00   |
|           |            | 1       | 99        | 21.68   | 21.47        | 22.00   | 23.00   |
|           |            | 50      | 0         | 21.83   | <b>22.05</b> | 22.01   | 23.00   |
|           |            | 50      | 25        | 21.90   | 22.02        | 21.80   | 23.00   |
|           |            | 50      | 50        | 21.94   | 21.98        | 21.96   | 23.00   |
|           |            | 100     | 0         | 21.88   | 22.00        | 21.94   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.01   | 22.00        | 21.97   | 23.00   |
|           |            | 1       | 50        | 21.85   | 21.74        | 21.93   | 23.00   |
|           |            | 1       | 99        | 21.28   | 21.89        | 21.90   | 23.00   |
|           |            | 50      | 0         | 21.77   | 21.83        | 22.00   | 23.00   |
|           |            | 50      | 25        | 21.97   | 21.98        | 21.92   | 23.00   |
|           |            | 50      | 50        | 22.01   | 22.05        | 22.01   | 23.00   |
|           |            | 100     | 0         | 21.82   | 22.01        | 22.02   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.74   | 22.04        | 22.03   | 23.00   |
|           |            | 1       | 50        | 22.00   | 21.93        | 21.68   | 23.00   |
|           |            | 1       | 99        | 21.93   | 21.53        | 21.80   | 23.00   |
|           |            | 50      | 0         | 20.95   | 20.61        | 20.43   | 22.00   |
|           |            | 50      | 25        | 20.92   | 20.57        | 20.66   | 22.00   |
|           |            | 50      | 50        | 20.88   | 20.56        | 20.56   | 22.00   |
|           |            | 100     | 0         | 20.95   | 20.57        | 20.33   | 22.00   |



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| LTE Band 41 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                         |            |         |           | 40065                | 40448   | 40832   | 41215   |         |
| 5MHz                    | QPSK       | 1       | 0         | 22.38                | 22.66   | 22.53   | 22.35   | 23.50   |
|                         |            | 1       | 13        | 22.41                | 22.56   | 22.61   | 22.39   | 23.50   |
|                         |            | 1       | 24        | 22.35                | 22.58   | 22.57   | 22.31   | 23.50   |
|                         |            | 12      | 0         | 22.43                | 22.34   | 22.32   | 22.36   | 23.50   |
|                         |            | 12      | 6         | 22.35                | 22.26   | 22.48   | 22.31   | 23.50   |
|                         |            | 12      | 13        | 22.41                | 22.15   | 22.41   | 22.36   | 23.50   |
|                         |            | 25      | 0         | 22.45                | 22.43   | 22.56   | 22.42   | 23.50   |
|                         | 16QAM      | 1       | 0         | 22.45                | 22.29   | 22.15   | 22.47   | 23.50   |
|                         |            | 1       | 13        | 22.20                | 22.41   | 22.59   | 22.20   | 23.50   |
|                         |            | 1       | 24        | 22.03                | 22.10   | 22.04   | 22.02   | 23.50   |
|                         |            | 12      | 0         | 21.75                | 21.89   | 22.05   | 21.71   | 23.00   |
|                         |            | 12      | 6         | 21.94                | 21.69   | 21.88   | 21.89   | 23.00   |
|                         |            | 12      | 13        | 22.08                | 21.75   | 22.04   | 22.02   | 23.00   |
|                         |            | 25      | 0         | 21.94                | 21.82   | 22.11   | 21.94   | 23.00   |
|                         | 64QAM      | 1       | 0         | 21.89                | 21.79   | 21.55   | 21.90   | 23.00   |
|                         |            | 1       | 13        | 21.63                | 21.80   | 22.04   | 21.69   | 23.00   |
|                         |            | 1       | 24        | 21.45                | 21.49   | 21.50   | 21.41   | 23.00   |
|                         |            | 12      | 0         | 20.64                | 20.79   | 21.03   | 20.68   | 22.00   |
|                         |            | 12      | 6         | 20.93                | 20.62   | 20.76   | 20.85   | 22.00   |
|                         |            | 12      | 13        | 21.00                | 20.74   | 20.99   | 20.99   | 22.00   |
|                         |            | 25      | 0         | 20.85                | 20.70   | 21.00   | 20.84   | 22.00   |
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
| 10MHz                   | QPSK       | 1       | 0         | 22.39                | 22.61   | 22.53   | 22.36   | 23.50   |
|                         |            | 1       | 25        | 22.43                | 22.56   | 22.64   | 22.41   | 23.50   |
|                         |            | 1       | 49        | 22.38                | 22.62   | 22.55   | 22.33   | 23.50   |
|                         |            | 25      | 0         | 22.42                | 22.35   | 22.33   | 22.36   | 23.50   |
|                         |            | 25      | 13        | 22.32                | 22.26   | 22.46   | 22.32   | 23.50   |
|                         |            | 25      | 25        | 22.43                | 22.15   | 22.41   | 22.36   | 23.50   |
|                         |            | 50      | 0         | 22.44                | 22.45   | 22.56   | 22.42   | 23.50   |
|                         | 16QAM      | 1       | 0         | 22.45                | 22.32   | 22.14   | 22.43   | 23.50   |
|                         |            | 1       | 25        | 22.20                | 22.45   | 22.58   | 22.23   | 23.50   |
|                         |            | 1       | 49        | 22.01                | 22.14   | 22.00   | 22.02   | 23.50   |
|                         |            | 25      | 0         | 21.77                | 21.90   | 22.09   | 21.75   | 23.00   |
|                         |            | 25      | 13        | 21.92                | 21.65   | 21.91   | 21.90   | 23.00   |
|                         |            | 25      | 25        | 22.07                | 21.74   | 22.02   | 22.06   | 23.00   |
|                         |            | 50      | 0         | 21.96                | 21.78   | 22.08   | 21.94   | 23.00   |
|                         | 64QAM      | 1       | 0         | 21.90                | 21.79   | 21.53   | 21.84   | 23.00   |
|                         |            | 1       | 25        | 21.61                | 21.87   | 22.08   | 21.63   | 23.00   |
|                         |            | 1       | 49        | 21.48                | 21.60   | 21.45   | 21.51   | 23.00   |
|                         |            | 25      | 0         | 20.70                | 20.86   | 20.96   | 20.73   | 22.00   |
|                         |            | 25      | 13        | 20.84                | 20.55   | 20.85   | 20.85   | 22.00   |
|                         |            | 25      | 25        | 20.99                | 20.61   | 20.96   | 21.06   | 22.00   |
|                         |            | 50      | 0         | 20.87                | 20.71   | 20.96   | 20.92   | 22.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|--------------|---------|
|           |            |         |           | 40115        | 40465        | 40815        | 41165        |         |
| 15MHz     | QPSK       | 1       | 0         | 22.43        | 22.62        | 22.51        | 22.38        | 23.50   |
|           |            | 1       | 38        | 22.45        | 22.59        | 22.60        | 22.36        | 23.50   |
|           |            | 1       | 74        | 22.37        | 22.58        | 22.56        | 22.36        | 23.50   |
|           |            | 36      | 0         | 22.40        | 22.34        | 22.32        | 22.36        | 23.50   |
|           |            | 36      | 18        | 22.34        | 22.27        | 22.45        | 22.31        | 23.50   |
|           |            | 36      | 39        | 22.41        | 22.16        | 22.42        | 22.41        | 23.50   |
|           |            | 75      | 0         | 22.43        | 22.44        | 22.53        | 22.40        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.43        | 22.29        | 22.18        | 22.42        | 23.50   |
|           |            | 1       | 38        | 22.21        | 22.43        | 22.57        | 22.23        | 23.50   |
|           |            | 1       | 74        | 22.01        | 22.11        | 22.04        | 21.98        | 23.50   |
|           |            | 36      | 0         | 21.77        | 21.92        | 22.09        | 21.75        | 23.00   |
|           |            | 36      | 18        | 21.89        | 21.65        | 21.86        | 21.90        | 23.00   |
|           |            | 36      | 39        | 22.06        | 21.72        | 22.04        | 22.05        | 23.00   |
|           |            | 75      | 0         | 21.93        | 21.82        | 22.09        | 21.91        | 23.00   |
|           | 64QAM      | 1       | 0         | 21.89        | 21.68        | 21.67        | 21.86        | 23.00   |
|           |            | 1       | 38        | 21.68        | 21.83        | 21.96        | 21.66        | 23.00   |
|           |            | 1       | 74        | 21.49        | 21.56        | 21.47        | 21.48        | 23.00   |
|           |            | 36      | 0         | 20.64        | 20.91        | 21.06        | 20.66        | 22.00   |
|           |            | 36      | 18        | 20.89        | 20.63        | 20.82        | 20.81        | 22.00   |
|           |            | 36      | 39        | 21.04        | 20.64        | 20.93        | 20.98        | 22.00   |
|           |            | 75      | 0         | 20.85        | 20.78        | 20.97        | 20.82        | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 22.39        | 22.61        | 22.54        | 22.38        | 23.50   |
|           |            | 1       | 50        | <b>22.44</b> | <b>22.62</b> | <b>22.65</b> | <b>22.39</b> | 23.50   |
|           |            | 1       | 99        | 22.37        | 22.57        | 22.56        | 22.34        | 23.50   |
|           |            | 50      | 0         | <b>22.62</b> | <b>22.36</b> | <b>22.63</b> | <b>22.39</b> | 23.50   |
|           |            | 50      | 25        | 22.35        | 22.26        | 22.42        | 22.34        | 23.50   |
|           |            | 50      | 50        | 22.40        | 22.15        | 22.41        | 22.37        | 23.50   |
|           |            | 100     | 0         | 22.43        | 22.42        | <b>22.53</b> | 22.41        | 23.50   |
|           | 16QAM      | 1       | 0         | 22.45        | 22.30        | 22.16        | 22.44        | 23.50   |
|           |            | 1       | 50        | 22.24        | 22.46        | 22.54        | 22.21        | 23.50   |
|           |            | 1       | 99        | 22.01        | 22.13        | 22.02        | 22.02        | 23.50   |
|           |            | 50      | 0         | 21.75        | 21.90        | 22.08        | 21.72        | 23.00   |
|           |            | 50      | 25        | 21.89        | 21.67        | 21.86        | 21.88        | 23.00   |
|           |            | 50      | 50        | 22.03        | 21.76        | 22.04        | 22.05        | 23.00   |
|           |            | 100     | 0         | 21.95        | 21.81        | 22.10        | 21.92        | 23.00   |
|           | 64QAM      | 1       | 0         | 21.89        | 21.68        | 21.57        | 21.87        | 23.00   |
|           |            | 1       | 50        | 21.61        | 21.92        | 21.97        | 21.65        | 23.00   |
|           |            | 1       | 99        | 21.51        | 21.58        | 21.51        | 21.39        | 23.00   |
|           |            | 50      | 0         | 20.71        | 20.81        | 21.06        | 20.65        | 22.00   |
|           |            | 50      | 25        | 20.89        | 20.61        | 20.79        | 20.86        | 22.00   |
|           |            | 50      | 50        | 20.97        | 20.64        | 21.01        | 21.04        | 22.00   |
|           |            | 100     | 0         | 20.88        | 20.80        | 21.05        | 20.82        | 22.00   |



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| LTE Band 41 Receiver off |            |         |           | Conducted Power(dBm) |         |         |         |         |
|--------------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|
| Bandwidth                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                          |            |         |           | 40065                | 40448   | 40832   | 41215   |         |
| 5MHz                     | QPSK       | 1       | 0         | 21.86                | 22.18   | 22.01   | 21.87   | 23.00   |
|                          |            | 1       | 13        | 21.90                | 22.06   | 22.06   | 21.90   | 23.00   |
|                          |            | 1       | 24        | 21.81                | 22.06   | 22.03   | 21.77   | 23.00   |
|                          |            | 12      | 0         | 21.90                | 21.86   | 21.77   | 21.87   | 23.00   |
|                          |            | 12      | 6         | 21.80                | 21.75   | 21.92   | 21.79   | 23.00   |
|                          |            | 12      | 13        | 21.88                | 21.60   | 21.89   | 21.88   | 23.00   |
|                          | 25         | 0       | 21.90     | 21.92                | 22.01   | 21.88   | 23.00   |         |
|                          | 16QAM      | 1       | 0         | 21.92                | 21.77   | 21.65   | 21.88   | 23.00   |
|                          |            | 1       | 13        | 21.69                | 21.88   | 22.05   | 21.68   | 23.00   |
|                          |            | 1       | 24        | 21.50                | 21.63   | 21.48   | 21.43   | 23.00   |
|                          |            | 12      | 0         | 21.27                | 21.38   | 21.56   | 21.24   | 23.00   |
|                          |            | 12      | 6         | 21.38                | 21.14   | 21.38   | 21.36   | 23.00   |
|                          |            | 12      | 13        | 21.54                | 21.21   | 21.55   | 21.50   | 23.00   |
|                          | 25         | 0       | 21.40     | 21.25                | 21.58   | 21.38   | 23.00   |         |
|                          | 64QAM      | 1       | 0         | 21.86                | 22.13   | 21.94   | 21.86   | 23.00   |
|                          |            | 1       | 13        | 21.85                | 22.01   | 22.01   | 21.90   | 23.00   |
|                          |            | 1       | 24        | 21.81                | 22.05   | 21.98   | 21.77   | 23.00   |
|                          |            | 12      | 0         | 20.80                | 20.73   | 20.71   | 20.87   | 22.00   |
| 12                       |            | 6       | 20.80     | 20.66                | 20.81   | 20.74   | 22.00   |         |
| 12                       |            | 13      | 20.76     | 20.55                | 20.81   | 20.86   | 22.00   |         |
| 25                       | 0          | 20.81   | 20.92     | 20.98                | 20.88   | 22.00   |         |         |
| Bandwidth                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Tune up |
|                          |            |         |           | 40090                | 40457   | 40823   | 41190   |         |
| 10MHz                    | QPSK       | 1       | 0         | 21.84                | 22.20   | 22.04   | 21.88   | 23.00   |
|                          |            | 1       | 25        | 21.90                | 22.05   | 22.07   | 21.91   | 23.00   |
|                          |            | 1       | 49        | 21.81                | 22.10   | 22.04   | 21.79   | 23.00   |
|                          |            | 25      | 0         | 21.90                | 21.88   | 21.78   | 21.90   | 23.00   |
|                          |            | 25      | 13        | 21.79                | 21.73   | 21.95   | 21.81   | 23.00   |
|                          |            | 25      | 25        | 21.88                | 21.58   | 21.89   | 21.87   | 23.00   |
|                          | 50         | 0       | 21.90     | 21.92                | 22.01   | 21.87   | 23.00   |         |
|                          | 16QAM      | 1       | 0         | 21.95                | 21.78   | 21.66   | 21.86   | 23.00   |
|                          |            | 1       | 25        | 21.66                | 21.93   | 22.04   | 21.68   | 23.00   |
|                          |            | 1       | 49        | 21.49                | 21.61   | 21.48   | 21.46   | 23.00   |
|                          |            | 25      | 0         | 21.28                | 21.38   | 21.53   | 21.23   | 23.00   |
|                          |            | 25      | 13        | 21.41                | 21.17   | 21.34   | 21.38   | 23.00   |
|                          |            | 25      | 25        | 21.53                | 21.21   | 21.56   | 21.50   | 23.00   |
|                          | 50         | 0       | 21.44     | 21.24                | 21.57   | 21.42   | 23.00   |         |
|                          | 64QAM      | 1       | 0         | 21.75                | 22.20   | 21.97   | 21.75   | 23.00   |
|                          |            | 1       | 25        | 21.83                | 21.94   | 22.06   | 21.86   | 23.00   |
|                          |            | 1       | 49        | 21.75                | 22.07   | 21.96   | 21.76   | 23.00   |
|                          |            | 25      | 0         | 20.89                | 20.85   | 20.68   | 20.79   | 22.00   |
| 25                       |            | 13      | 20.72     | 20.65                | 20.83   | 20.71   | 22.00   |         |
| 25                       |            | 25      | 20.87     | 20.48                | 20.76   | 20.81   | 22.00   |         |
| 50                       | 0          | 20.79   | 20.84     | 20.94                | 20.80   | 22.00   |         |         |



| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|--------------|---------|
|           |            |         |           | 40115        | 40465        | 40815        | 41165        |         |
| 15MHz     | QPSK       | 1       | 0         | 21.88        | 22.16        | 22.02        | 21.88        | 23.00   |
|           |            | 1       | 38        | 21.91        | 22.05        | 22.10        | 21.87        | 23.00   |
|           |            | 1       | 74        | 21.85        | 22.08        | 22.01        | 21.79        | 23.00   |
|           |            | 36      | 0         | 21.93        | 21.83        | 21.77        | 21.87        | 23.00   |
|           |            | 36      | 18        | 21.79        | 21.77        | 21.95        | 21.79        | 23.00   |
|           |            | 36      | 39        | 21.92        | 21.61        | 21.84        | 21.89        | 23.00   |
|           |            | 75      | 0         | 21.93        | 21.92        | 22.01        | 21.85        | 23.00   |
|           | 16QAM      | 1       | 0         | 21.93        | 21.82        | 21.65        | 21.90        | 23.00   |
|           |            | 1       | 38        | 21.67        | 21.90        | 22.07        | 21.67        | 23.00   |
|           |            | 1       | 74        | 21.50        | 21.60        | 21.51        | 21.45        | 23.00   |
|           |            | 36      | 0         | 21.27        | 21.38        | 21.55        | 21.23        | 23.00   |
|           |            | 36      | 18        | 21.38        | 21.13        | 21.35        | 21.33        | 23.00   |
|           |            | 36      | 39        | 21.52        | 21.22        | 21.55        | 21.46        | 23.00   |
|           |            | 75      | 0         | 21.45        | 21.26        | 21.57        | 21.42        | 23.00   |
|           | 64QAM      | 1       | 0         | 21.76        | 22.05        | 21.92        | 21.82        | 23.00   |
|           |            | 1       | 38        | 21.87        | 21.96        | 22.09        | 21.74        | 23.00   |
|           |            | 1       | 74        | 21.85        | 21.96        | 21.96        | 21.74        | 23.00   |
|           |            | 36      | 0         | 20.89        | 20.81        | 20.67        | 20.75        | 22.00   |
|           |            | 36      | 18        | 20.75        | 20.65        | 20.89        | 20.77        | 22.00   |
|           |            | 36      | 39        | 20.88        | 20.54        | 20.83        | 20.88        | 22.00   |
|           |            | 75      | 0         | 20.85        | 20.81        | 20.89        | 20.77        | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Channel      | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 21.85        | 22.06        | 22.03        | 21.84        | 23.00   |
|           |            | 1       | 50        | <b>21.87</b> | <b>22.09</b> | <b>22.22</b> | <b>21.90</b> | 23.00   |
|           |            | 1       | 99        | 21.82        | 22.08        | 21.99        | 21.80        | 23.00   |
|           |            | 50      | 0         | <b>21.93</b> | <b>21.86</b> | <b>21.97</b> | <b>21.91</b> | 23.00   |
|           |            | 50      | 25        | 21.83        | 21.74        | 21.96        | 21.80        | 23.00   |
|           |            | 50      | 50        | 21.91        | 21.60        | 21.84        | 21.90        | 23.00   |
|           |            | 100     | 0         | 21.90        | 21.92        | 22.05        | 21.86        | 23.00   |
|           | 16QAM      | 1       | 0         | 21.93        | 21.81        | 21.63        | 21.90        | 23.00   |
|           |            | 1       | 50        | 21.70        | 21.88        | 22.09        | 21.69        | 23.00   |
|           |            | 1       | 99        | 21.51        | 21.60        | 21.47        | 21.47        | 23.00   |
|           |            | 50      | 0         | 21.25        | 21.35        | 21.55        | 21.23        | 23.00   |
|           |            | 50      | 25        | 21.40        | 21.15        | 21.37        | 21.35        | 23.00   |
|           |            | 50      | 50        | 21.54        | 21.22        | 21.56        | 21.49        | 23.00   |
|           |            | 100     | 0         | 21.42        | 21.28        | 21.55        | 21.42        | 23.00   |
|           | 64QAM      | 1       | 0         | 21.80        | 22.14        | 21.90        | 21.82        | 23.00   |
|           |            | 1       | 50        | 21.78        | 22.03        | 22.05        | 21.78        | 23.00   |
|           |            | 1       | 99        | 21.80        | 21.97        | 21.90        | 21.74        | 23.00   |
|           |            | 50      | 0         | 20.82        | 20.78        | 20.65        | 20.79        | 22.00   |
|           |            | 50      | 25        | 20.72        | 20.69        | 20.84        | 20.74        | 22.00   |
|           |            | 50      | 50        | 20.86        | 20.51        | 20.81        | 20.89        | 22.00   |
|           |            | 100     | 0         | 20.77        | 20.80        | 20.93        | 20.84        | 22.00   |

Table 6 : Conducted Power of LTE



## 2 Conducted Power of Uplink CA and Downlink CA

### 2.1.1 Uplink LTE CA Conducted Power of Ant1

| Combination | Modulation | PCC  |          |            |        |              |            | SCC  |          |            |        |              | Sensor off |              | Sensor on |              |
|-------------|------------|------|----------|------------|--------|--------------|------------|------|----------|------------|--------|--------------|------------|--------------|-----------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | DL Channel | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power      | Tune-up(dBm) | Power     | Tune-up(dBm) |
| CA_7C       | QPSK       | 7    | 20       | 20850      | 1      | 99           | 2850       | 7    | 20       | 21048      | 1      | 0            | 23.77      | 25.00        | 20.00     | 21.00        |
| CA_7C       | QPSK       | 7    | 20       | 21100      | 1      | 99           | 3100       | 7    | 20       | 21298      | 1      | 0            | 23.84      | 25.00        | 20.01     | 21.00        |
| CA_7C       | QPSK       | 7    | 20       | 21100      | 1      | 0            | 3100       | 7    | 20       | 20902      | 1      | 99           | 23.78      | 25.00        | 19.84     | 21.00        |
| CA_7C       | QPSK       | 7    | 20       | 21350      | 1      | 0            | 3350       | 7    | 20       | 21152      | 1      | 99           | 23.74      | 25.00        | 19.96     | 21.00        |
| Combination | Modulation | PCC  |          |            |        |              |            | SCC  |          |            |        |              | Sensor off |              | Sensor on |              |
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | DL Channel | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power      | Tune-up(dBm) | Power     | Tune-up(dBm) |
| CA_38C      | QPSK       | 38   | 20       | 37850      | 1      | 99           | 37850      | 38   | 20       | 38048      | 1      | 0            | 23.88      | 25.00        | 21.04     | 22.00        |
| CA_38C      | QPSK       | 38   | 20       | 37901      | 1      | 99           | 37901      | 38   | 20       | 38099      | 1      | 0            | 23.74      | 25.00        | 21.00     | 22.00        |
| CA_38C      | QPSK       | 38   | 20       | 38099      | 1      | 0            | 38099      | 38   | 20       | 37901      | 1      | 99           | 23.80      | 25.00        | 20.95     | 22.00        |
| CA_38C      | QPSK       | 38   | 20       | 38150      | 1      | 0            | 38150      | 38   | 20       | 37952      | 1      | 99           | 23.81      | 25.00        | 20.87     | 22.00        |

Table 7 : Conducted Power of UL CA

### 2.1.2 Uplink LTE CA Conducted Power of Ant2

| Combination | Modulation | PCC  |          |            |        |              |            | SCC  |          |            |        |              | Receiver off             |              | Receiver on |              |
|-------------|------------|------|----------|------------|--------|--------------|------------|------|----------|------------|--------|--------------|--------------------------|--------------|-------------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | DL Channel | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power                    | 20.5         | Power       | Tune-up(dBm) |
| CA_7C       | QPSK       | 7    | 20       | 20850      | 1      | 99           | 2850       | 7    | 20       | 21048      | 1      | 0            | 18.96                    | 20.00        | 19.30       | 20.50        |
| CA_7C       | QPSK       | 7    | 20       | 21100      | 1      | 99           | 3100       | 7    | 20       | 21298      | 1      | 0            | 18.98                    | 20.00        | 19.29       | 20.50        |
| CA_7C       | QPSK       | 7    | 20       | 21100      | 1      | 0            | 3100       | 7    | 20       | 20902      | 1      | 99           | 18.87                    | 20.00        | 19.27       | 20.50        |
| CA_7C       | QPSK       | 7    | 20       | 21350      | 1      | 0            | 3350       | 7    | 20       | 21152      | 1      | 99           | 18.94                    | 20.00        | 19.21       | 20.50        |
| Combination | Modulation | PCC  |          |            |        |              |            | SCC  |          |            |        |              | Receiver off/Receiver on |              |             |              |
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | DL Channel | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power                    | Tune-up(dBm) |             |              |
| CA_38C      | QPSK       | 38   | 20       | 37850      | 1      | 99           | 37850      | 38   | 20       | 38048      | 1      | 0            | 21.89                    | 23.00        |             |              |
| CA_38C      | QPSK       | 38   | 20       | 37901      | 1      | 99           | 37901      | 38   | 20       | 38099      | 1      | 0            | 21.79                    | 23.00        |             |              |
| CA_38C      | QPSK       | 38   | 20       | 38099      | 1      | 0            | 38099      | 38   | 20       | 37901      | 1      | 99           | 21.87                    | 23.00        |             |              |
| CA_38C      | QPSK       | 38   | 20       | 38150      | 1      | 0            | 38150      | 38   | 20       | 37952      | 1      | 99           | 21.71                    | 23.00        |             |              |

Table 8 : Conducted Power of UL CA



**2.1.3 Uplink LTE CA Conducted Power of Ant1**

| Receiver on&Receiver off+Sensor off |          |          |            |                |            |        |              |          |          |                |            |                    |                    |         |
|-------------------------------------|----------|----------|------------|----------------|------------|--------|--------------|----------|----------|----------------|------------|--------------------|--------------------|---------|
| DL LTE CA Class                     | PCC      |          |            |                |            |        |              | SCC1     |          |                |            | Power(dBm)         |                    |         |
|                                     | LTE Band | BW (MHz) | Modulation | UL Freq. (MHz) | UL Channel | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | DL LTE CA Tx.Power | LTE Rel 8 Tx.Power | Tune-up |
| CA_7C                               | Band 7   | 20M      | QPSK       | 2510           | 20850      | 1      | 0            | Band 7   | 20M      | 2649.8         | 3048       | 23.76              | 23.87              | 25.00   |
| CA_38C                              | Band 38  | 20M      | QPSK       | 2580           | 37850      | 1      | 50           | Band 38  | 20M      | 2599.8         | 38048      | 23.81              | 23.94              | 25.00   |
| Receiver off+Sensor on              |          |          |            |                |            |        |              |          |          |                |            |                    |                    |         |
| DL LTE CA Class                     | PCC      |          |            |                |            |        |              | SCC1     |          |                |            | Power(dBm)         |                    |         |
|                                     | LTE Band | BW (MHz) | Modulation | UL Freq. (MHz) | UL Channel | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | DL LTE CA Tx.Power | LTE Rel 8 Tx.Power | Tune-up |
| CA_7C                               | Band 7   | 20M      | QPSK       | 2510           | 20850      | 1      | 0            | Band 7   | 20M      | 2649.8         | 3048       | 20.01              | 20.12              | 21.00   |
| CA_38C                              | Band 38  | 20M      | QPSK       | 2580           | 37850      | 1      | 50           | Band 38  | 20M      | 2599.8         | 38048      | 21.32              | 21.45              | 22.00   |

Conducted Power of DL CA

**2.1.4 Uplink LTE CA Conducted Power of Ant2**

| Receiver on     |          |          |            |                |            |        |              |          |          |                |            |                    |                    |         |
|-----------------|----------|----------|------------|----------------|------------|--------|--------------|----------|----------|----------------|------------|--------------------|--------------------|---------|
| DL LTE CA Class | PCC      |          |            |                |            |        |              | SCC1     |          |                |            | Power(dBm)         |                    |         |
|                 | LTE Band | BW (MHz) | Modulation | UL Freq. (MHz) | UL Channel | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | DL LTE CA Tx.Power | LTE Rel 8 Tx.Power | Tune-up |
| CA_7C           | Band 7   | 20M      | QPSK       | 2560           | 21350      | 1      | 50           | Band 7   | 20M      | 2660.2         | 3152       | 19.50              | 19.61              | 20.50   |
| CA_38C          | Band 38  | 20M      | QPSK       | 2610           | 38150      | 1      | 50           | Band 38  | 20M      | 2590.2         | 37952      | 22.00              | 22.06              | 23.00   |
| Receiver off    |          |          |            |                |            |        |              |          |          |                |            |                    |                    |         |
| DL LTE CA Class | PCC      |          |            |                |            |        |              | SCC1     |          |                |            | Power(dBm)         |                    |         |
|                 | LTE Band | BW (MHz) | Modulation | UL Freq. (MHz) | UL Channel | UL# RB | UL RB Offset | LTE Band | BW (MHz) | DL Freq. (MHz) | DL Channel | DL LTE CA Tx.Power | LTE Rel 8 Tx.Power | Tune-up |
| CA_7C           | Band 7   | 20M      | QPSK       | 2560           | 21350      | 1      | 50           | Band 7   | 20M      | 2660.2         | 3152       | 19.02              | 19.11              | 20.00   |
| CA_38C          | Band 38  | 20M      | QPSK       | 2610           | 38150      | 1      | 50           | Band 38  | 20M      | 2590.2         | 37952      | 22.00              | 22.06              | 23.00   |

Conducted Power of DL CA



### 3 Conducted Power of WiFi and BT

#### 3.1.1 Conducted Power of WiFi

| WiFi 2.4G Receiver on |         |                |                 |         |                     |          |
|-----------------------|---------|----------------|-----------------|---------|---------------------|----------|
| Mode                  | Channel | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |
| 802.11b               | 1       | 2412           | 1               | 15.00   | 14.24               | NO       |
|                       | 6       | 2437           |                 | 15.00   | <b>14.33</b>        | Yes      |
|                       | 11      | 2462           |                 | 15.00   | 14.05               | NO       |
| 802.11g               | 1       | 2412           | 6               | 16.00   | 15.21               | NO       |
|                       | 6       | 2437           |                 | 16.00   | 15.25               | NO       |
|                       | 11      | 2462           |                 | 16.00   | 15.09               | NO       |
| 802.11n<br>HT20 SISO  | 1       | 2412           | 6.5             | 15.00   | 13.78               | NO       |
|                       | 6       | 2437           |                 | 15.00   | 13.23               | NO       |
|                       | 11      | 2462           |                 | 15.00   | 13.74               | NO       |
| 802.11n<br>HT40 SISO  | 3       | 2422           | 13.5            | 15.00   | 13.95               | NO       |
|                       | 6       | 2437           |                 | 15.00   | 14.56               | NO       |
|                       | 9       | 2452           |                 | 15.00   | 14.42               | NO       |

| WiFi 2.4G Receiver off |         |                |                 |         |                     |          |
|------------------------|---------|----------------|-----------------|---------|---------------------|----------|
| Mode                   | Channel | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |
| 802.11b                | 1       | 2412           | 1               | 17.00   | 16.10               | NO       |
|                        | 6       | 2437           |                 | 17.00   | <b>16.11</b>        | Yes      |
|                        | 11      | 2462           |                 | 17.00   | 16.02               | NO       |
| 802.11g                | 1       | 2412           | 6               | 18.00   | 17.11               | NO       |
|                        | 6       | 2437           |                 | 18.00   | 17.15               | NO       |
|                        | 11      | 2462           |                 | 18.00   | 17.09               | NO       |
| 802.11n<br>HT20 SISO   | 1       | 2412           | 6.5             | 15.00   | 13.78               | NO       |
|                        | 6       | 2437           |                 | 15.00   | 13.23               | NO       |
|                        | 11      | 2462           |                 | 15.00   | 13.74               | NO       |
| 802.11n<br>HT40 SISO   | 3       | 2422           | 13.5            | 15.00   | 13.95               | NO       |
|                        | 6       | 2437           |                 | 15.00   | 14.56               | NO       |
|                        | 9       | 2452           |                 | 15.00   | 14.42               | NO       |



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| WiFi 5G Receiver on |          |          |                |                 |         |                     |          |    |
|---------------------|----------|----------|----------------|-----------------|---------|---------------------|----------|----|
| 5GHz                | mode     | Channel  | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |    |
| 802.11a             | U-NII-1  | 36       | 5180           | 6               | 11.00   | 10.42               | NO       |    |
|                     |          | 40       | 5200           |                 | 11.00   | 10.39               | NO       |    |
|                     |          | 44       | 5220           |                 | 11.00   | 10.43               | NO       |    |
|                     |          | 48       | 5240           |                 | 11.00   | 10.30               | NO       |    |
|                     | U-NII-2A | 52       | 5260           |                 | 11.00   | <b>10.70</b>        | Yes      |    |
|                     |          | 56       | 5280           |                 | 11.00   | 10.54               | NO       |    |
|                     |          | 60       | 5300           |                 | 11.00   | 10.43               | NO       |    |
|                     |          | 64       | 5320           |                 | 11.00   | 10.39               | NO       |    |
|                     |          | U-NII-2C | 100            |                 | 5500    | 18.00               | 17.53    | NO |
|                     |          |          | 104            |                 | 5520    | 18.00               | 17.43    | NO |
|                     | 108      |          | 5540           |                 | 18.00   | 17.37               | NO       |    |
|                     | 112      |          | 5560           |                 | 18.00   | 17.25               | NO       |    |
|                     | 116      |          | 5580           |                 | 18.00   | 17.22               | NO       |    |
|                     | 120      |          | 5600           |                 | 18.00   | <b>17.71</b>        | Yes      |    |
|                     | 124      |          | 5620           |                 | 18.00   | 17.53               | NO       |    |
|                     | 128      |          | 5640           |                 | 18.00   | 17.61               | NO       |    |
|                     | 132      |          | 5660           |                 | 18.00   | 17.45               | NO       |    |
|                     | 136      |          | 5680           |                 | 18.00   | 17.43               | NO       |    |
|                     | U-NII-3  | 140      | 5700           |                 | 18.00   | 17.68               | NO       |    |
|                     |          | 144      | 5720           |                 | 18.00   | 17.56               | NO       |    |
| 149                 |          | 5745     | 13.98          | 13.47           | NO      |                     |          |    |
| 153                 |          | 5765     | 13.98          | 13.75           | NO      |                     |          |    |
| 157                 |          | 5785     | 13.98          | 13.19           | NO      |                     |          |    |
|                     |          | 161      | 5805           | 13.98           | 13.42   | NO                  |          |    |
| 5GHz                | mode     | Channel  | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |    |
| 802.11n-<br>HT20    | U-NII-1  | 36       | 5180           | MCS0            | 10.00   | 9.23                | NO       |    |
|                     |          | 40       | 5200           |                 | 10.00   | 9.21                | NO       |    |
|                     |          | 44       | 5220           |                 | 10.00   | 9.14                | NO       |    |
|                     |          | 48       | 5240           |                 | 10.00   | 9.20                | NO       |    |
|                     | U-NII-2A | 52       | 5260           |                 | 10.00   | 9.19                | NO       |    |
|                     |          | 56       | 5280           |                 | 10.00   | 9.23                | NO       |    |
|                     |          | 60       | 5300           |                 | 10.00   | 9.11                | NO       |    |
|                     |          | 64       | 5320           |                 | 10.00   | 9.12                | NO       |    |
|                     |          | U-NII-2C | 100            |                 | 5500    | 17.00               | 16.43    | NO |
|                     |          |          | 104            |                 | 5520    | 17.00               | 16.38    | NO |
|                     | 108      |          | 5540           |                 | 17.00   | 16.28               | NO       |    |
|                     | 112      |          | 5560           |                 | 17.00   | 16.25               | NO       |    |
|                     | 116      |          | 5580           |                 | 17.00   | 16.21               | NO       |    |
|                     | 120      |          | 5600           |                 | 17.00   | 16.22               | NO       |    |
|                     | 124      |          | 5620           |                 | 17.00   | 16.45               | NO       |    |
|                     | 128      |          | 5640           |                 | 17.00   | 16.82               | NO       |    |
|                     | 132      |          | 5660           |                 | 17.00   | 16.34               | NO       |    |
|                     | 136      |          | 5680           |                 | 17.00   | 16.44               | NO       |    |
|                     |          |          | 140            |                 | 5700    | 17.00               | 16.57    | NO |



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|------------------|-----------------|----------|----------------|-----------------|----------------|---------------------|----------|---------------------|----------|
|                  |                 | 144      | 5720           |                 | 17.00          | 16.43               | NO       |                     |          |
|                  | U-NII-3         | 149      | 5745           |                 | 13.98          | 13.59               | NO       |                     |          |
|                  |                 | 153      | 5765           |                 | 13.98          | 13.58               | NO       |                     |          |
|                  |                 | 157      | 5785           |                 | 13.98          | 13.54               | NO       |                     |          |
|                  |                 | 161      | 5805           |                 | 13.98          | 13.44               | NO       |                     |          |
|                  |                 |          |                |                 |                |                     |          |                     |          |
| 5GHz             | mode            | Channel  | Frequency(MHz) | Data Rate(Mbps) | Tune up        | Average Power (dBm) | SAR Test |                     |          |
| 802.11n-<br>HT40 | U-NII-1         | 38       | 5190           | MCS0            | 10.00          | 9.21                | NO       |                     |          |
|                  |                 | 46       | 5230           |                 | 10.00          | 9.34                | NO       |                     |          |
|                  | U-NII-2A        | 54       | 5270           |                 | 10.00          | 9.16                | NO       |                     |          |
|                  |                 | 62       | 5310           |                 | 10.00          | 9.22                | NO       |                     |          |
|                  | U-NII-2C        | 102      | 5510           |                 | 15.50          | 14.85               | NO       |                     |          |
|                  |                 | 110      | 5550           |                 | 15.50          | 14.57               | NO       |                     |          |
|                  |                 | 118      | 5590           |                 | 15.50          | 14.46               | NO       |                     |          |
|                  |                 | 126      | 5630           |                 | 15.50          | 14.83               | NO       |                     |          |
|                  |                 | 134      | 5670           |                 | 15.50          | 14.23               | NO       |                     |          |
|                  |                 | 142      | 5710           |                 | 15.50          | 14.58               | NO       |                     |          |
|                  | U-NII-3         | 151      | 5755           |                 | 13.98          | 13.32               | NO       |                     |          |
|                  |                 | 159      | 5795           |                 | 13.98          | 13.44               | NO       |                     |          |
|                  | 5GHz            | mode     | Channel        |                 | Frequency(MHz) | Data Rate(Mbps)     | Tune up  | Average Power (dBm) | SAR Test |
|                  | 802.11ac<br>20M | U-NII-1  | 36             |                 | 5180           | MCS0                | 10.00    | 9.12                | NO       |
|                  |                 |          | 40             |                 | 5200           |                     | 10.00    | 9.20                | NO       |
| 44               |                 |          | 5220           | 10.00           | 9.17           |                     | NO       |                     |          |
| 48               |                 |          | 5240           | 10.00           | 9.15           |                     | NO       |                     |          |
| U-NII-2A         |                 | 52       | 5260           | 10.00           | 9.20           |                     | NO       |                     |          |
|                  |                 | 56       | 5280           | 10.00           | 9.21           |                     | NO       |                     |          |
|                  |                 | 60       | 5300           | 10.00           | 9.19           |                     | NO       |                     |          |
|                  |                 | 64       | 5320           | 10.00           | 9.22           |                     | NO       |                     |          |
|                  |                 | U-NII-2C | 100            | 5500            | 17.00          |                     | 16.53    | NO                  |          |
|                  |                 |          | 104            | 5520            | 17.00          |                     | 16.38    | NO                  |          |
| 108              |                 |          | 5540           | 17.00           | 16.34          |                     | NO       |                     |          |
| 112              |                 |          | 5560           | 17.00           | 16.24          |                     | NO       |                     |          |
| 116              |                 |          | 5580           | 17.00           | 16.20          |                     | NO       |                     |          |
| 120              |                 |          | 5600           | 17.00           | 16.23          |                     | NO       |                     |          |
| 124              |                 |          | 5620           | 17.00           | 16.53          |                     | NO       |                     |          |
| 128              |                 |          | 5640           | 17.00           | 16.73          |                     | NO       |                     |          |
| 132              |                 |          | 5660           | 17.00           | 16.56          |                     | NO       |                     |          |
| 136              |                 |          | 5680           | 17.00           | 16.34          |                     | NO       |                     |          |
| U-NII-3          |                 | 140      | 5700           | 17.00           | 16.55          |                     | NO       |                     |          |
|                  |                 | 144      | 5720           | 17.00           | 16.63          |                     | NO       |                     |          |
|                  |                 | 149      | 5745           | 13.98           | 13.53          |                     | NO       |                     |          |
|                  |                 | 153      | 5765           | 13.98           | 13.43          |                     | NO       |                     |          |
|                  |                 | 157      | 5785           | 13.98           | 13.21          |                     | NO       |                     |          |
|                  | 161             | 5805     | 13.98          | 13.34           | NO             |                     |          |                     |          |
| 5GHz             | mode            | Channel  | Frequency(MHz) | Data Rate(Mbps) | Tune up        | Average Power (dBm) | SAR Test |                     |          |



|                 |          |         |                |                 |         |                     |          |
|-----------------|----------|---------|----------------|-----------------|---------|---------------------|----------|
| 802.11ac<br>40M | U-NII-1  | 38      | 5190           | MCS0            | 10.00   | 9.23                | NO       |
|                 |          | 46      | 5230           |                 | 10.00   | 9.11                | NO       |
|                 | U-NII-2A | 54      | 5270           |                 | 10.00   | 9.23                | NO       |
|                 |          | 62      | 5310           |                 | 10.00   | 9.18                | NO       |
|                 | U-NII-2C | 102     | 5510           |                 | 17.00   | 16.31               | NO       |
|                 |          | 110     | 5550           |                 | 17.00   | 16.09               | NO       |
|                 |          | 118     | 5590           |                 | 17.00   | 15.98               | NO       |
|                 |          | 126     | 5630           |                 | 17.00   | 16.34               | NO       |
|                 |          | 134     | 5670           |                 | 17.00   | 16.87               | NO       |
|                 |          | 142     | 5710           |                 | 17.00   | 16.97               | NO       |
|                 | U-NII-3  | 151     | 5755           |                 | 13.98   | 13.28               | NO       |
|                 |          | 159     | 5795           |                 | 13.98   | 13.34               | NO       |
| 5GHz            | mode     | Channel | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |
| 802.11ac<br>80M | U-NII-1  | 42      | 5210           | MCS0            | 10.00   | 9.22                | NO       |
|                 | U-NII-2A | 58      | 5290           |                 | 10.00   | 9.21                | NO       |
|                 | U-NII-2C | 106     | 5530           |                 | 14.00   | 13.87               | NO       |
|                 |          | 122     | 5610           |                 | 14.00   | 13.98               | NO       |
|                 |          | 138     | 5690           |                 | 13.98   | 13.45               | NO       |
|                 | U-NII-3  | 155     | 5775           |                 | 13.98   | <b>13.60</b>        | Yes      |



| WiFi 5G Receiver off |          |          |                |                 |         |                     |          |    |
|----------------------|----------|----------|----------------|-----------------|---------|---------------------|----------|----|
| 5GHz                 | mode     | Channel  | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |    |
| 802.11a              | U-NII-1  | 36       | 5180           | 6               | 18.00   | 17.22               | NO       |    |
|                      |          | 40       | 5200           |                 | 18.00   | <b>17.23</b>        | Yes      |    |
|                      |          | 44       | 5220           |                 | 18.00   | 17.22               | NO       |    |
|                      |          | 48       | 5240           |                 | 18.00   | 17.02               | NO       |    |
|                      | U-NII-2A | 52       | 5260           |                 | 18.00   | <b>17.66</b>        | Yes      |    |
|                      |          | 56       | 5280           |                 | 18.00   | 17.34               | NO       |    |
|                      |          | 60       | 5300           |                 | 18.00   | 17.48               | NO       |    |
|                      |          | 64       | 5320           |                 | 18.00   | 17.59               | NO       |    |
|                      |          | U-NII-2C | 100            |                 | 5500    | 18.00               | 17.53    | NO |
|                      |          |          | 104            |                 | 5520    | 18.00               | 17.43    | NO |
|                      | 108      |          | 5540           |                 | 18.00   | 17.37               | NO       |    |
|                      | 112      |          | 5560           |                 | 18.00   | 17.25               | NO       |    |
|                      | 116      |          | 5580           |                 | 18.00   | 17.22               | NO       |    |
|                      | 120      |          | 5600           |                 | 18.00   | <b>17.71</b>        | Yes      |    |
|                      | 124      |          | 5620           |                 | 18.00   | 17.53               | NO       |    |
|                      | 128      |          | 5640           |                 | 18.00   | 17.61               | NO       |    |
|                      | 132      |          | 5660           |                 | 18.00   | 17.45               | NO       |    |
|                      | 136      |          | 5680           |                 | 18.00   | 17.43               | NO       |    |
|                      | U-NII-3  | 140      | 5700           |                 | 18.00   | 17.68               | NO       |    |
|                      |          | 144      | 5720           |                 | 18.00   | 17.56               | NO       |    |
| 149                  |          | 5745     | 13.98          | 13.47           | NO      |                     |          |    |
| 153                  |          | 5765     | 13.98          | 13.75           | NO      |                     |          |    |
| 157                  |          | 5785     | 13.98          | 13.19           | NO      |                     |          |    |
|                      |          | 161      | 5805           | 13.98           | 13.42   | NO                  |          |    |
|                      |          | 165      | 5825           | 13.98           | 13.19   | NO                  |          |    |
| 5GHz                 | mode     | Channel  | Frequency(MHz) | Data Rate(Mbps) | Tune up | Average Power (dBm) | SAR Test |    |
| 802.11n-HT20         | U-NII-1  | 36       | 5180           | MCS0            | 17.00   | 16.16               | NO       |    |
|                      |          | 40       | 5200           |                 | 17.00   | 16.08               | NO       |    |
|                      |          | 44       | 5220           |                 | 17.00   | 16.09               | NO       |    |
|                      |          | 48       | 5240           |                 | 17.00   | 16.04               | NO       |    |
|                      | U-NII-2A | 52       | 5260           |                 | 17.00   | 16.11               | NO       |    |
|                      |          | 56       | 5280           |                 | 17.00   | 16.35               | NO       |    |
|                      |          | 60       | 5300           |                 | 17.00   | 16.49               | NO       |    |
|                      |          | 64       | 5320           |                 | 17.00   | 16.81               | NO       |    |
|                      | U-NII-2C | 100      | 5500           |                 | 17.00   | 16.43               | NO       |    |
|                      |          | 104      | 5520           |                 | 17.00   | 16.38               | NO       |    |
|                      |          | 108      | 5540           |                 | 17.00   | 16.28               | NO       |    |
|                      |          | 112      | 5560           |                 | 17.00   | 16.25               | NO       |    |
|                      |          | 116      | 5580           |                 | 17.00   | 16.21               | NO       |    |
|                      |          | 120      | 5600           |                 | 17.00   | 16.22               | NO       |    |
|                      |          | 124      | 5620           |                 | 17.00   | 16.45               | NO       |    |
|                      |          | 128      | 5640           |                 | 17.00   | 16.82               | NO       |    |



|                  | U-NII-3         | 132     | 5660           |                 | 17.00          | 16.34               | NO       |                     |          |
|------------------|-----------------|---------|----------------|-----------------|----------------|---------------------|----------|---------------------|----------|
|                  |                 | 136     | 5680           |                 | 17.00          | 16.44               | NO       |                     |          |
|                  |                 | 140     | 5700           |                 | 17.00          | 16.57               | NO       |                     |          |
|                  |                 | 144     | 5720           |                 | 17.00          | 16.43               | NO       |                     |          |
|                  |                 | 149     | 5745           |                 | 13.98          | 13.59               | NO       |                     |          |
|                  |                 | 153     | 5765           |                 | 13.98          | 13.58               | NO       |                     |          |
|                  |                 | 157     | 5785           |                 | 13.98          | 13.54               | NO       |                     |          |
|                  |                 | 161     | 5805           |                 | 13.98          | 13.44               | NO       |                     |          |
|                  |                 | 165     | 5825           |                 | 13.98          | 13.23               | NO       |                     |          |
| 5GHz             | mode            | Channel | Frequency(MHz) | Data Rate(Mbps) | Tune up        | Average Power (dBm) | SAR Test |                     |          |
| 802.11n-<br>HT40 | U-NII-1         | 38      | 5190           | MCS0            | 15.50          | 14.32               | NO       |                     |          |
|                  |                 | 46      | 5230           |                 | 15.50          | 14.25               | NO       |                     |          |
|                  | U-NII-2A        | 54      | 5270           |                 | 15.50          | 14.56               | NO       |                     |          |
|                  |                 | 62      | 5310           |                 | 15.50          | 14.96               | NO       |                     |          |
|                  | U-NII-2C        | 102     | 5510           |                 | 15.50          | 14.85               | NO       |                     |          |
|                  |                 | 110     | 5550           |                 | 15.50          | 14.57               | NO       |                     |          |
|                  |                 | 118     | 5590           |                 | 15.50          | 14.46               | NO       |                     |          |
|                  |                 | 126     | 5630           |                 | 15.50          | 14.83               | NO       |                     |          |
|                  |                 | 134     | 5670           |                 | 15.50          | 14.23               | NO       |                     |          |
|                  |                 | 142     | 5710           |                 | 15.50          | 14.58               | NO       |                     |          |
|                  | U-NII-3         | 151     | 5755           |                 | 13.98          | 13.32               | NO       |                     |          |
|                  |                 | 159     | 5795           |                 | 13.98          | 13.44               | NO       |                     |          |
|                  | 5GHz            | mode    | Channel        |                 | Frequency(MHz) | Data Rate(Mbps)     | Tune up  | Average Power (dBm) | SAR Test |
|                  | 802.11ac<br>20M | U-NII-1 | 36             |                 | 5180           | MCS0                | 17.00    | 16.24               | NO       |
| 40               |                 |         | 5200           | 17.00           | 16.17          |                     | NO       |                     |          |
| 44               |                 |         | 5220           | 17.00           | 16.14          |                     | NO       |                     |          |
| 48               |                 |         | 5240           | 17.00           | 16.09          |                     | NO       |                     |          |
| U-NII-2A         |                 | 52      | 5260           | 17.00           | 16.12          |                     | NO       |                     |          |
|                  |                 | 56      | 5280           | 17.00           | 16.32          |                     | NO       |                     |          |
|                  |                 | 60      | 5300           | 17.00           | 16.43          |                     | NO       |                     |          |
|                  |                 | 64      | 5320           | 17.00           | 16.80          |                     | NO       |                     |          |
| U-NII-2C         |                 | 100     | 5500           | 17.00           | 16.53          |                     | NO       |                     |          |
|                  |                 | 104     | 5520           | 17.00           | 16.38          |                     | NO       |                     |          |
|                  |                 | 108     | 5540           | 17.00           | 16.34          |                     | NO       |                     |          |
|                  |                 | 112     | 5560           | 17.00           | 16.24          |                     | NO       |                     |          |
|                  |                 | 116     | 5580           | 17.00           | 16.20          |                     | NO       |                     |          |
|                  |                 | 120     | 5600           | 17.00           | 16.23          |                     | NO       |                     |          |
|                  |                 | 124     | 5620           | 17.00           | 16.53          |                     | NO       |                     |          |
|                  |                 | 128     | 5640           | 17.00           | 16.73          |                     | NO       |                     |          |
|                  |                 | 132     | 5660           | 17.00           | 16.56          |                     | NO       |                     |          |
|                  |                 | 136     | 5680           | 17.00           | 16.34          |                     | NO       |                     |          |
|                  |                 | 140     | 5700           | 17.00           | 16.55          |                     | NO       |                     |          |
|                  |                 | 144     | 5720           | 17.00           | 16.63          |                     | NO       |                     |          |
| U-NII-3          |                 | 149     | 5745           | 13.98           | 13.53          |                     | NO       |                     |          |
|                  |                 | 153     | 5765           | 13.98           | 13.43          |                     | NO       |                     |          |
|                  |                 | 157     | 5785           | 13.98           | 13.21          |                     | NO       |                     |          |





| 5GHz            | mode            | Channel | Frequency(MHz) | Data Rate(Mbps) | Tune up        | Average Power (dBm) | SAR Test |                     |          |
|-----------------|-----------------|---------|----------------|-----------------|----------------|---------------------|----------|---------------------|----------|
|                 |                 | 161     | 5805           |                 | 13.98          | 13.34               | NO       |                     |          |
|                 |                 | 165     | 5825           |                 | 13.98          | 13.24               | NO       |                     |          |
| 5GHz            | mode            | Channel | Frequency(MHz) | Data Rate(Mbps) | Tune up        | Average Power (dBm) | SAR Test |                     |          |
| 802.11ac<br>40M | U-NII-1         | 38      | 5190           | MCS0            | 17.00          | 15.80               | NO       |                     |          |
|                 |                 | 46      | 5230           |                 | 17.00          | 15.76               | NO       |                     |          |
|                 | U-NII-2A        | 54      | 5270           |                 | 17.00          | 16.07               | NO       |                     |          |
|                 |                 | 62      | 5310           |                 | 17.00          | 16.43               | NO       |                     |          |
|                 | U-NII-2C        | 102     | 5510           |                 | 17.00          | 16.31               | NO       |                     |          |
|                 |                 | 110     | 5550           |                 | 17.00          | 16.09               | NO       |                     |          |
|                 |                 | 118     | 5590           |                 | 17.00          | 15.98               | NO       |                     |          |
|                 |                 | 126     | 5630           |                 | 17.00          | 16.34               | NO       |                     |          |
|                 |                 | 134     | 5670           |                 | 17.00          | 16.87               | NO       |                     |          |
|                 |                 | 142     | 5710           |                 | 17.00          | 16.97               | NO       |                     |          |
|                 | U-NII-3         | 151     | 5755           |                 | 13.98          | 13.28               | NO       |                     |          |
|                 |                 | 159     | 5795           |                 | 13.98          | 13.34               | NO       |                     |          |
|                 | 5GHz            | mode    | Channel        |                 | Frequency(MHz) | Data Rate(Mbps)     | Tune up  | Average Power (dBm) | SAR Test |
|                 | 802.11ac<br>80M | U-NII-1 | 42             |                 | 5210           | MCS0                | 14.00    | 13.86               | NO       |
| U-NII-2A        |                 | 58      | 5290           | 14.00           | 13.85          |                     | NO       |                     |          |
| U-NII-2C        |                 | 106     | 5530           | 14.00           | 13.87          |                     | NO       |                     |          |
|                 |                 | 122     | 5610           | 14.00           | 13.98          |                     | NO       |                     |          |
|                 |                 | 138     | 5690           | 13.98           | 13.45          |                     | NO       |                     |          |
| U-NII-3         |                 | 155     | 5775           | 13.98           | <b>13.60</b>   |                     | Yes      |                     |          |

Table 9 : Conducted Power of WiFi

**3.1.2 Conducted Power of BT**

| BT            |         |                | Tune up (dBm) | Average Conducted Power(dBm) |
|---------------|---------|----------------|---------------|------------------------------|
| Modulation    | Channel | Frequency(MHz) |               |                              |
| GFSK          | 0       | 2402           | 10.00         | 8.53                         |
|               | 39      | 2441           | 10.00         | <b>9.01</b>                  |
|               | 78      | 2480           | 10.00         | 8.24                         |
| $\pi/4$ DQPSK | 0       | 2402           | 8.00          | 6.67                         |
|               | 39      | 2441           | 8.00          | 7.02                         |
|               | 78      | 2480           | 8.00          | 7.07                         |
| 8DPSK         | 0       | 2402           | 8.00          | 6.74                         |
|               | 39      | 2441           | 8.00          | 6.66                         |
|               | 78      | 2480           | 8.00          | 6.69                         |

| BLE        |         |                | Tune up (dBm) | Average Conducted Power(dBm) |
|------------|---------|----------------|---------------|------------------------------|
| Modulation | Channel | Frequency(MHz) |               |                              |
| GFSK       | 0       | 2402           | 8.00          | 6.52                         |
|            | 19      | 2440           | 8.00          | 7.23                         |
|            | 39      | 2480           | 8.00          | 7.18                         |

Table 10 : Conducted Power of BT