

| WCDMA Band IV WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT/WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |              |       |       |       |         |
|-------------------------------------------------------------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                                                          |              |       |       |       |         |
| Channel                                                                                               |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                                                                                                 | 12.2kbps RMC | 20.89 | 20.91 | 20.84 | 22.00   |
|                                                                                                       | 12.2kbps AMR | 20.89 | 20.90 | 20.82 | 22.00   |
| HSDPA                                                                                                 | Subtest 1    | 20.24 | 20.23 | 20.32 | 21.50   |
|                                                                                                       | Subtest 2    | 19.44 | 19.48 | 19.44 | 20.70   |
|                                                                                                       | Subtest 3    | 18.88 | 18.94 | 18.93 | 20.20   |
|                                                                                                       | Subtest 4    | 18.91 | 18.94 | 18.92 | 20.20   |
| HSUPA                                                                                                 | Subtest 1    | 18.65 | 18.45 | 19.06 | 20.50   |
|                                                                                                       | Subtest 2    | 16.52 | 16.45 | 16.22 | 18.50   |
|                                                                                                       | Subtest 3    | 17.13 | 17.23 | 16.93 | 19.50   |
|                                                                                                       | Subtest 4    | 16.24 | 16.12 | 15.95 | 18.50   |
|                                                                                                       | Subtest 5    | 19.78 | 19.81 | 19.83 | 21.00   |
| DC-HSDPA                                                                                              | Subtest 1    | 20.18 | 20.19 | 20.25 | 21.50   |
|                                                                                                       | Subtest 2    | 19.42 | 19.46 | 19.42 | 20.70   |
|                                                                                                       | Subtest 3    | 18.84 | 18.89 | 18.91 | 20.20   |
|                                                                                                       | Subtest 4    | 18.88 | 18.87 | 18.89 | 20.20   |

| WCDMA Band IV WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |              |       |       |       |         |
|---------------------------------------------------------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                                                      |              |       |       |       |         |
| Channel                                                                                           |              | 1312  | 1412  | 1513  | Tune up |
| WCDMA                                                                                             | 12.2kbps RMC | 16.35 | 16.37 | 16.33 | 17.50   |
|                                                                                                   | 12.2kbps AMR | 16.31 | 16.34 | 16.29 | 17.50   |
| HSDPA                                                                                             | Subtest 1    | 15.76 | 15.77 | 15.8  | 17.00   |
|                                                                                                   | Subtest 2    | 14.98 | 14.96 | 14.99 | 16.20   |
|                                                                                                   | Subtest 3    | 14.49 | 14.45 | 14.41 | 15.70   |
|                                                                                                   | Subtest 4    | 14.46 | 14.45 | 14.4  | 15.70   |
| HSUPA                                                                                             | Subtest 1    | 13.88 | 13.77 | 14.21 | 16.00   |
|                                                                                                   | Subtest 2    | 12.88 | 12.91 | 13.03 | 14.00   |
|                                                                                                   | Subtest 3    | 13.55 | 13.58 | 13.59 | 15.00   |
|                                                                                                   | Subtest 4    | 12.52 | 12.57 | 12.66 | 14.00   |
|                                                                                                   | Subtest 5    | 15.25 | 15.29 | 15.28 | 16.50   |
| DC-HSDPA                                                                                          | Subtest 1    | 15.74 | 15.70 | 15.73 | 17.00   |
|                                                                                                   | Subtest 2    | 14.93 | 14.90 | 14.94 | 16.20   |
|                                                                                                   | Subtest 3    | 14.42 | 14.43 | 14.35 | 15.70   |
|                                                                                                   | Subtest 4    | 14.44 | 14.39 | 14.38 | 15.70   |



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| WCDMA Band V Full Power/Receicer off/Receicer off+BT/WiFi 5G(Rec off)/WiFi 5G(Rec off)+BT |              |       |              |       |         |
|-------------------------------------------------------------------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm)                                                              |              |       |              |       |         |
| Channel                                                                                   |              | 4132  | 4182         | 4233  | Tune up |
| WCDMA                                                                                     | 12.2kbps RMC | 24.03 | <b>24.05</b> | 23.95 | 25.00   |
|                                                                                           | 12.2kbps AMR | 24.00 | 24.04        | 23.92 | 25.00   |
| HSDPA                                                                                     | Subtest 1    | 23.45 | 23.45        | 23.36 | 24.50   |
|                                                                                           | Subtest 2    | 22.95 | 22.96        | 22.84 | 23.70   |
|                                                                                           | Subtest 3    | 22.51 | 22.47        | 22.45 | 23.20   |
|                                                                                           | Subtest 4    | 22.49 | 22.51        | 22.45 | 23.20   |
| HSUPA                                                                                     | Subtest 1    | 23.08 | 23.14        | 22.62 | 23.50   |
|                                                                                           | Subtest 2    | 20.27 | 20.14        | 20.11 | 21.50   |
|                                                                                           | Subtest 3    | 20.93 | 21.31        | 21.19 | 22.50   |
|                                                                                           | Subtest 4    | 20.07 | 20.32        | 20.2  | 21.50   |
|                                                                                           | Subtest 5    | 22.9  | 22.9         | 22.9  | 24.00   |
| DC-HSDPA                                                                                  | Subtest 1    | 23.42 | 23.39        | 23.34 | 24.50   |
|                                                                                           | Subtest 2    | 22.92 | 22.90        | 22.80 | 23.70   |
|                                                                                           | Subtest 3    | 22.44 | 22.40        | 22.42 | 23.20   |
|                                                                                           | Subtest 4    | 22.46 | 22.47        | 22.41 | 23.20   |

| WCDMA Band V Receicer on/Receicer on+BT/WiFi 5G(Rec on)/WiFi 5G(Rec on)+BT |              |       |              |       |         |
|----------------------------------------------------------------------------|--------------|-------|--------------|-------|---------|
| Average Conducted Power(dBm)                                               |              |       |              |       |         |
| Channel                                                                    |              | 4132  | 4182         | 4233  | Tune up |
| WCDMA                                                                      | 12.2kbps RMC | 21.00 | <b>21.02</b> | 20.89 | 22.00   |
|                                                                            | 12.2kbps AMR | 20.98 | 20.99        | 20.87 | 22.00   |
| HSDPA                                                                      | Subtest 1    | 20.41 | 20.43        | 20.36 | 21.50   |
|                                                                            | Subtest 2    | 19.91 | 19.85        | 19.86 | 20.70   |
|                                                                            | Subtest 3    | 19.49 | 19.52        | 19.42 | 20.20   |
|                                                                            | Subtest 4    | 19.52 | 19.52        | 19.43 | 20.20   |
| HSUPA                                                                      | Subtest 1    | 19.73 | 19.99        | 20.05 | 20.50   |
|                                                                            | Subtest 2    | 17.40 | 17.33        | 17.32 | 18.50   |
|                                                                            | Subtest 3    | 17.99 | 18.03        | 18.52 | 19.50   |
|                                                                            | Subtest 4    | 17.12 | 17.11        | 17.55 | 18.50   |
|                                                                            | Subtest 5    | 19.97 | 19.98        | 19.90 | 21.00   |
| DC-HSDPA                                                                   | Subtest 1    | 20.38 | 20.39        | 20.33 | 21.50   |
|                                                                            | Subtest 2    | 19.85 | 19.79        | 19.80 | 20.70   |
|                                                                            | Subtest 3    | 19.42 | 19.50        | 19.38 | 20.20   |
|                                                                            | Subtest 4    | 19.45 | 19.49        | 19.39 | 20.20   |



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| WCDMA Band V WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT/WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |              |       |       |       |         |
|------------------------------------------------------------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                                                         |              |       |       |       |         |
| Channel                                                                                              |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                                                                                                | 12.2kbps RMC | 22.53 | 22.51 | 22.47 | 23.50   |
|                                                                                                      | 12.2kbps AMR | 22.51 | 22.48 | 22.45 | 23.50   |
| HSDPA                                                                                                | Subtest 1    | 21.93 | 21.97 | 21.84 | 23.00   |
|                                                                                                      | Subtest 2    | 21.42 | 21.45 | 21.36 | 22.20   |
|                                                                                                      | Subtest 3    | 20.96 | 20.95 | 20.93 | 21.70   |
|                                                                                                      | Subtest 4    | 21.01 | 21.00 | 20.92 | 21.70   |
| HSUPA                                                                                                | Subtest 1    | 21.62 | 21.52 | 21.55 | 22.00   |
|                                                                                                      | Subtest 2    | 18.81 | 18.68 | 18.69 | 20.00   |
|                                                                                                      | Subtest 3    | 19.58 | 19.44 | 19.48 | 21.00   |
|                                                                                                      | Subtest 4    | 18.62 | 18.57 | 18.47 | 20.00   |
|                                                                                                      | Subtest 5    | 21.44 | 21.50 | 21.40 | 22.50   |
| DC-HSDPA                                                                                             | Subtest 1    | 21.90 | 21.95 | 21.77 | 23.00   |
|                                                                                                      | Subtest 2    | 21.36 | 21.38 | 21.31 | 22.20   |
|                                                                                                      | Subtest 3    | 20.90 | 20.89 | 20.90 | 21.70   |
|                                                                                                      | Subtest 4    | 20.97 | 20.94 | 20.89 | 21.70   |

| WCDMA Band V WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |              |       |       |       |         |
|--------------------------------------------------------------------------------------------------|--------------|-------|-------|-------|---------|
| Average Conducted Power(dBm)                                                                     |              |       |       |       |         |
| Channel                                                                                          |              | 4132  | 4182  | 4233  | Tune up |
| WCDMA                                                                                            | 12.2kbps RMC | 19.45 | 19.52 | 19.42 | 20.50   |
|                                                                                                  | 12.2kbps AMR | 19.42 | 19.48 | 19.39 | 20.50   |
| HSDPA                                                                                            | Subtest 1    | 18.93 | 18.96 | 18.87 | 20.00   |
|                                                                                                  | Subtest 2    | 18.36 | 18.39 | 18.31 | 19.20   |
|                                                                                                  | Subtest 3    | 17.99 | 17.97 | 17.97 | 18.70   |
|                                                                                                  | Subtest 4    | 18.03 | 17.99 | 17.92 | 18.70   |
| HSUPA                                                                                            | Subtest 1    | 18.36 | 18.72 | 18.07 | 19.00   |
|                                                                                                  | Subtest 2    | 14.88 | 14.72 | 14.86 | 17.00   |
|                                                                                                  | Subtest 3    | 16.49 | 16.57 | 16.50 | 18.00   |
|                                                                                                  | Subtest 4    | 15.43 | 14.58 | 14.66 | 17.00   |
|                                                                                                  | Subtest 5    | 18.45 | 18.49 | 18.39 | 19.50   |
| DC-HSDPA                                                                                         | Subtest 1    | 18.91 | 18.89 | 18.81 | 20.00   |
|                                                                                                  | Subtest 2    | 18.31 | 18.36 | 18.28 | 19.20   |
|                                                                                                  | Subtest 3    | 17.97 | 17.93 | 17.90 | 18.70   |
|                                                                                                  | Subtest 4    | 17.98 | 17.92 | 17.87 | 18.70   |

Table 15: Conducted Power of WCDMA

Note:

1) when the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel must be used.



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### 8.1.2.3 Conducted Power of LTE

| LTE Band 2 Full Power/Receiver off<br>Receiver off+BT/WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT/WiFi 5G(Rec off)/WiFi 5G(Rec off)+BT/WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                                                                                                                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                                                                                                    |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                                                                                                                                                             | QPSK       | 1       | 0         | 23.30                | 23.25   | 23.51   | 24.00   |
|                                                                                                                                                                                    |            | 1       | 2         | 23.09                | 22.91   | 23.16   | 24.00   |
|                                                                                                                                                                                    |            | 1       | 5         | 23.51                | 23.29   | 23.49   | 24.00   |
|                                                                                                                                                                                    |            | 3       | 0         | 23.20                | 23.15   | 23.50   | 24.00   |
|                                                                                                                                                                                    |            | 3       | 2         | 23.21                | 23.11   | 23.29   | 24.00   |
|                                                                                                                                                                                    |            | 3       | 3         | 23.22                | 23.11   | 23.46   | 24.00   |
|                                                                                                                                                                                    |            | 6       | 0         | 22.20                | 22.12   | 22.50   | 23.00   |
|                                                                                                                                                                                    | 16QAM      | 1       | 0         | 22.35                | 22.72   | 22.59   | 23.30   |
|                                                                                                                                                                                    |            | 1       | 2         | 22.51                | 22.57   | 22.63   | 23.30   |
|                                                                                                                                                                                    |            | 1       | 5         | 22.80                | 22.03   | 22.75   | 23.30   |
|                                                                                                                                                                                    |            | 3       | 0         | 22.51                | 22.13   | 22.68   | 23.30   |
|                                                                                                                                                                                    |            | 3       | 2         | 22.39                | 22.30   | 22.42   | 23.30   |
|                                                                                                                                                                                    |            | 3       | 3         | 22.57                | 22.38   | 22.47   | 23.30   |
|                                                                                                                                                                                    |            | 6       | 0         | 21.55                | 21.16   | 21.38   | 22.30   |
|                                                                                                                                                                                    | 64QAM      | 1       | 0         | 21.96                | 21.91   | 22.16   | 22.30   |
|                                                                                                                                                                                    |            | 1       | 2         | 21.72                | 21.33   | 21.61   | 22.30   |
|                                                                                                                                                                                    |            | 1       | 5         | 22.25                | 21.96   | 22.08   | 22.30   |
|                                                                                                                                                                                    |            | 3       | 0         | 21.69                | 21.57   | 21.71   | 22.30   |
|                                                                                                                                                                                    |            | 3       | 2         | 21.40                | 21.56   | 21.34   | 22.30   |
|                                                                                                                                                                                    |            | 3       | 3         | 21.59                | 21.56   | 21.62   | 22.30   |
|                                                                                                                                                                                    |            | 6       | 0         | 20.55                | 20.63   | 20.29   | 21.30   |
| Bandwidth                                                                                                                                                                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                                                                                                    |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                                                                                                                                                                               | QPSK       | 1       | 0         | 23.45                | 23.19   | 23.39   | 24.00   |
|                                                                                                                                                                                    |            | 1       | 7         | 23.09                | 23.10   | 23.23   | 24.00   |
|                                                                                                                                                                                    |            | 1       | 14        | 23.51                | 23.50   | 23.44   | 24.00   |
|                                                                                                                                                                                    |            | 8       | 0         | 22.18                | 22.10   | 22.33   | 23.00   |
|                                                                                                                                                                                    |            | 8       | 4         | 22.08                | 21.97   | 22.24   | 23.00   |
|                                                                                                                                                                                    |            | 8       | 7         | 22.31                | 22.16   | 22.34   | 23.00   |
|                                                                                                                                                                                    |            | 15      | 0         | 22.36                | 22.22   | 22.31   | 23.00   |
|                                                                                                                                                                                    | 16QAM      | 1       | 0         | 22.29                | 22.22   | 22.72   | 23.30   |
|                                                                                                                                                                                    |            | 1       | 7         | 21.81                | 22.15   | 22.32   | 23.30   |
|                                                                                                                                                                                    |            | 1       | 14        | 22.50                | 22.62   | 22.45   | 23.30   |
|                                                                                                                                                                                    |            | 8       | 0         | 21.21                | 21.36   | 21.28   | 22.30   |
|                                                                                                                                                                                    |            | 8       | 4         | 21.44                | 21.17   | 21.37   | 22.30   |
|                                                                                                                                                                                    |            | 8       | 7         | 21.22                | 21.10   | 21.25   | 22.30   |
|                                                                                                                                                                                    |            | 15      | 0         | 21.21                | 21.11   | 21.32   | 22.30   |
|                                                                                                                                                                                    | 64QAM      | 1       | 0         | 22.24                | 21.51   | 21.56   | 22.30   |
|                                                                                                                                                                                    |            | 1       | 7         | 21.03                | 20.80   | 21.14   | 22.30   |
|                                                                                                                                                                                    |            | 1       | 14        | 20.94                | 20.89   | 20.74   | 22.30   |
|                                                                                                                                                                                    |            | 8       | 0         | 20.14                | 20.12   | 20.25   | 21.30   |
|                                                                                                                                                                                    |            | 8       | 4         | 20.31                | 20.35   | 20.28   | 21.30   |
|                                                                                                                                                                                    |            | 8       | 7         | 20.62                | 20.36   | 20.44   | 21.30   |
|                                                                                                                                                                                    |            | 15      | 0         | 20.51                | 20.27   | 20.54   | 21.30   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.37   | 23.03   | 23.24   | 24.00   |
|           |            | 1       | 13        | 23.37   | 23.16   | 23.24   | 24.00   |
|           |            | 1       | 24        | 23.09   | 23.49   | 23.04   | 24.00   |
|           |            | 12      | 0         | 22.19   | 22.11   | 22.19   | 23.00   |
|           |            | 12      | 6         | 22.15   | 22.06   | 22.05   | 23.00   |
|           |            | 12      | 13        | 22.15   | 22.13   | 22.25   | 23.00   |
|           |            | 25      | 0         | 22.10   | 22.11   | 22.18   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.06   | 22.10   | 22.04   | 23.30   |
|           |            | 1       | 13        | 22.36   | 22.28   | 21.88   | 23.30   |
|           |            | 1       | 24        | 22.23   | 22.28   | 22.58   | 23.30   |
|           |            | 12      | 0         | 21.10   | 21.08   | 21.15   | 22.30   |
|           |            | 12      | 6         | 21.10   | 21.10   | 21.13   | 22.30   |
|           |            | 12      | 13        | 21.12   | 20.99   | 21.30   | 22.30   |
|           |            | 25      | 0         | 21.17   | 21.03   | 21.18   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.57   | 21.59   | 21.57   | 22.30   |
|           |            | 1       | 13        | 21.66   | 21.16   | 21.77   | 22.30   |
|           |            | 1       | 24        | 21.50   | 21.46   | 21.41   | 22.30   |
|           |            | 12      | 0         | 20.31   | 20.25   | 20.46   | 21.30   |
|           |            | 12      | 6         | 20.19   | 20.16   | 20.34   | 21.30   |
|           |            | 12      | 13        | 20.34   | 20.45   | 20.38   | 21.30   |
|           |            | 25      | 0         | 20.24   | 20.23   | 20.25   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.33   | 23.24   | 23.45   | 24.00   |
|           |            | 1       | 25        | 23.17   | 22.94   | 23.36   | 24.00   |
|           |            | 1       | 49        | 23.27   | 23.37   | 23.36   | 24.00   |
|           |            | 25      | 0         | 22.29   | 22.24   | 22.23   | 23.00   |
|           |            | 25      | 13        | 22.29   | 22.22   | 22.19   | 23.00   |
|           |            | 25      | 25        | 22.21   | 22.05   | 22.24   | 23.00   |
|           |            | 50      | 0         | 22.26   | 22.20   | 22.19   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.10   | 22.75   | 22.41   | 23.30   |
|           |            | 1       | 25        | 22.32   | 22.57   | 22.75   | 23.30   |
|           |            | 1       | 49        | 22.37   | 22.34   | 22.58   | 23.30   |
|           |            | 25      | 0         | 21.32   | 21.22   | 21.14   | 22.30   |
|           |            | 25      | 13        | 21.16   | 21.17   | 21.36   | 22.30   |
|           |            | 25      | 25        | 21.11   | 21.06   | 21.32   | 22.30   |
|           |            | 50      | 0         | 21.27   | 21.20   | 21.32   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.20   | 21.39   | 21.67   | 22.30   |
|           |            | 1       | 25        | 21.55   | 21.80   | 21.84   | 22.30   |
|           |            | 1       | 49        | 21.63   | 21.41   | 21.27   | 22.30   |
|           |            | 25      | 0         | 20.50   | 20.42   | 20.42   | 21.30   |
|           |            | 25      | 13        | 20.38   | 20.43   | 20.41   | 21.30   |
|           |            | 25      | 25        | 20.52   | 20.44   | 20.52   | 21.30   |
|           |            | 50      | 0         | 20.39   | 20.54   | 20.35   | 21.30   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|---------|--------------|--------------|---------|
|           |            |         |           | 18675   | 18900        | 19125        |         |
| 15MHz     | QPSK       | 1       | 0         | 23.25   | 23.18        | 23.21        | 24.00   |
|           |            | 1       | 38        | 23.22   | 23.14        | 23.34        | 24.00   |
|           |            | 1       | 74        | 23.24   | 23.13        | 23.50        | 24.00   |
|           |            | 36      | 0         | 22.37   | 22.26        | 22.22        | 23.00   |
|           |            | 36      | 18        | 22.30   | 22.20        | 22.23        | 23.00   |
|           |            | 36      | 39        | 22.22   | 22.13        | 22.34        | 23.00   |
|           |            | 75      | 0         | 22.28   | 22.27        | 22.22        | 23.00   |
|           | 16QAM      | 1       | 0         | 22.39   | 22.53        | 22.54        | 23.30   |
|           |            | 1       | 38        | 22.57   | 22.34        | 22.76        | 23.30   |
|           |            | 1       | 74        | 22.33   | 22.43        | 22.11        | 23.30   |
|           |            | 36      | 0         | 21.26   | 21.28        | 21.43        | 22.30   |
|           |            | 36      | 18        | 21.17   | 21.12        | 21.21        | 22.30   |
|           |            | 36      | 39        | 21.08   | 21.33        | 21.38        | 22.30   |
|           |            | 75      | 0         | 21.30   | 21.35        | 21.19        | 22.30   |
|           | 64QAM      | 1       | 0         | 21.43   | 21.31        | 21.66        | 22.30   |
|           |            | 1       | 38        | 21.90   | 21.62        | 21.75        | 22.30   |
|           |            | 1       | 74        | 21.41   | 21.60        | 21.86        | 22.30   |
|           |            | 36      | 0         | 20.53   | 20.37        | 20.50        | 21.30   |
|           |            | 36      | 18        | 20.47   | 20.46        | 20.48        | 21.30   |
|           |            | 36      | 39        | 20.57   | 20.54        | 20.54        | 21.30   |
|           |            | 75      | 0         | 20.45   | 20.63        | 20.34        | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel      | Tune up |
|           |            |         |           | 18700   | 18900        | 19100        |         |
| 20MHz     | QPSK       | 1       | 0         | 23.35   | 23.47        | 23.52        | 24.00   |
|           |            | 1       | 50        | 23.20   | 23.38        | 23.34        | 24.00   |
|           |            | 1       | 99        | 23.38   | <b>23.52</b> | 23.35        | 24.00   |
|           |            | 50      | 0         | 22.33   | 22.28        | <b>22.64</b> | 23.00   |
|           |            | 50      | 25        | 22.33   | 22.19        | 22.47        | 23.00   |
|           |            | 50      | 50        | 22.41   | 22.30        | 22.42        | 23.00   |
|           |            | 100     | 0         | 22.49   | 22.36        | 22.55        | 23.00   |
|           | 16QAM      | 1       | 0         | 22.73   | 22.35        | 22.98        | 23.30   |
|           |            | 1       | 50        | 22.70   | 22.29        | 22.44        | 23.30   |
|           |            | 1       | 99        | 22.48   | 22.62        | 22.73        | 23.30   |
|           |            | 50      | 0         | 21.36   | 21.32        | 21.51        | 22.30   |
|           |            | 50      | 25        | 21.34   | 21.20        | 21.43        | 22.30   |
|           |            | 50      | 50        | 21.42   | 21.35        | 21.49        | 22.30   |
|           |            | 100     | 0         | 21.50   | 21.45        | 21.57        | 22.30   |
|           | 64QAM      | 1       | 0         | 22.13   | 22.05        | 21.97        | 22.30   |
|           |            | 1       | 50        | 21.39   | 21.94        | 21.61        | 22.30   |
|           |            | 1       | 99        | 22.09   | 21.95        | 21.90        | 22.30   |
|           |            | 50      | 0         | 20.49   | 20.50        | 20.60        | 21.30   |
|           |            | 50      | 25        | 20.44   | 20.44        | 20.50        | 21.30   |
|           |            | 50      | 50        | 20.44   | 20.48        | 20.57        | 21.30   |
|           |            | 100     | 0         | 20.42   | 20.32        | 20.46        | 21.30   |



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| LTE Band 2 Receiver on/Receiver on+BT/WiFi 2.4G(Rec on/WiFi 2.4G(Rec on)+BT/WiFi 5G(Rec on)/WiFi 5G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                                                                                                   | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                                                                             |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                                                                                                                                      | QPSK       | 1       | 0         | 19.68                | 19.45   | 19.63   | 20.50   |
|                                                                                                                                                             |            | 1       | 2         | 19.13                | 19.19   | 19.20   | 20.50   |
|                                                                                                                                                             |            | 1       | 5         | 19.55                | 19.41   | 19.56   | 20.50   |
|                                                                                                                                                             |            | 3       | 0         | 19.50                | 19.42   | 19.52   | 20.50   |
|                                                                                                                                                             |            | 3       | 2         | 19.46                | 19.38   | 19.30   | 20.50   |
|                                                                                                                                                             |            | 3       | 3         | 19.46                | 19.32   | 19.44   | 20.50   |
|                                                                                                                                                             | 16QAM      | 6       | 0         | 19.45                | 19.42   | 19.53   | 20.50   |
|                                                                                                                                                             |            | 1       | 0         | 19.67                | 19.67   | 19.23   | 20.50   |
|                                                                                                                                                             |            | 1       | 2         | 19.55                | 19.70   | 19.64   | 20.50   |
|                                                                                                                                                             |            | 1       | 5         | 19.59                | 19.60   | 19.67   | 20.50   |
|                                                                                                                                                             |            | 3       | 0         | 19.68                | 19.63   | 19.50   | 20.50   |
|                                                                                                                                                             |            | 3       | 2         | 19.62                | 19.15   | 19.27   | 20.50   |
|                                                                                                                                                             | 64QAM      | 3       | 3         | 19.49                | 19.60   | 19.70   | 20.50   |
|                                                                                                                                                             |            | 6       | 0         | 19.70                | 19.60   | 19.61   | 20.50   |
|                                                                                                                                                             |            | 1       | 0         | 19.62                | 19.60   | 19.32   | 20.50   |
|                                                                                                                                                             |            | 1       | 2         | 19.19                | 19.69   | 19.63   | 20.50   |
|                                                                                                                                                             |            | 1       | 5         | 19.45                | 19.35   | 19.21   | 20.50   |
|                                                                                                                                                             |            | 3       | 0         | 19.71                | 19.61   | 19.59   | 20.50   |
| 3MHz                                                                                                                                                        | QPSK       | 3       | 2         | 19.65                | 19.60   | 19.58   | 20.50   |
|                                                                                                                                                             |            | 3       | 3         | 19.58                | 19.61   | 19.69   | 20.50   |
|                                                                                                                                                             |            | 6       | 0         | 19.62                | 19.71   | 19.62   | 20.50   |
|                                                                                                                                                             | 16QAM      | 1       | 0         | 19.68                | 19.59   | 19.66   | 20.50   |
|                                                                                                                                                             |            | 1       | 7         | 19.25                | 19.11   | 19.12   | 20.50   |
|                                                                                                                                                             |            | 1       | 14        | 19.70                | 19.60   | 19.63   | 20.50   |
|                                                                                                                                                             | 64QAM      | 8       | 0         | 19.49                | 19.29   | 19.51   | 20.50   |
|                                                                                                                                                             |            | 8       | 4         | 19.47                | 19.19   | 19.34   | 20.50   |
|                                                                                                                                                             |            | 8       | 7         | 19.52                | 19.42   | 19.55   | 20.50   |
|                                                                                                                                                             | 16QAM      | 15      | 0         | 19.53                | 19.45   | 19.49   | 20.50   |
|                                                                                                                                                             |            | 1       | 0         | 19.66                | 19.66   | 19.70   | 20.50   |
|                                                                                                                                                             |            | 1       | 7         | 19.40                | 19.14   | 19.44   | 20.50   |
|                                                                                                                                                             |            | 1       | 14        | 19.48                | 19.39   | 19.70   | 20.50   |
|                                                                                                                                                             |            | 8       | 0         | 19.53                | 19.24   | 19.57   | 20.50   |
|                                                                                                                                                             | 64QAM      | 8       | 4         | 19.28                | 19.07   | 19.36   | 20.50   |
|                                                                                                                                                             |            | 8       | 7         | 19.31                | 19.43   | 19.41   | 20.50   |
|                                                                                                                                                             |            | 15      | 0         | 19.45                | 19.37   | 19.46   | 20.50   |
|                                                                                                                                                             |            | 1       | 0         | 19.44                | 19.28   | 19.24   | 20.50   |
|                                                                                                                                                             |            | 1       | 7         | 19.55                | 19.59   | 19.50   | 20.50   |
|                                                                                                                                                             |            | 1       | 14        | 19.65                | 19.30   | 19.44   | 20.50   |
|                                                                                                                                                             | 16QAM      | 8       | 0         | 19.66                | 19.50   | 19.51   | 20.50   |
|                                                                                                                                                             |            | 8       | 4         | 19.71                | 19.60   | 19.50   | 20.50   |
|                                                                                                                                                             |            | 8       | 7         | 19.52                | 19.64   | 19.54   | 20.50   |
|                                                                                                                                                             |            | 15      | 0         | 19.62                | 19.52   | 19.70   | 20.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.38   | 19.27   | 19.42   | 20.50   |
|           |            | 1       | 13        | 19.68   | 19.41   | 19.44   | 20.50   |
|           |            | 1       | 24        | 19.73   | 19.43   | 19.50   | 20.50   |
|           |            | 12      | 0         | 19.57   | 19.41   | 19.56   | 20.50   |
|           |            | 12      | 6         | 19.48   | 19.39   | 19.53   | 20.50   |
|           |            | 12      | 13        | 19.54   | 19.31   | 19.50   | 20.50   |
|           |            | 25      | 0         | 19.53   | 19.37   | 19.57   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.50   | 19.63   | 19.37   | 20.50   |
|           |            | 1       | 13        | 19.59   | 19.57   | 19.70   | 20.50   |
|           |            | 1       | 24        | 19.67   | 19.66   | 19.65   | 20.50   |
|           |            | 12      | 0         | 19.54   | 19.48   | 19.34   | 20.50   |
|           |            | 12      | 6         | 19.49   | 19.50   | 19.61   | 20.50   |
|           |            | 12      | 13        | 19.47   | 19.43   | 19.49   | 20.50   |
|           |            | 25      | 0         | 19.51   | 19.43   | 19.59   | 20.50   |
|           | 64QAM      | 1       | 0         | 19.64   | 19.43   | 19.58   | 20.50   |
|           |            | 1       | 13        | 19.68   | 19.64   | 19.64   | 20.50   |
|           |            | 1       | 24        | 19.51   | 19.59   | 19.52   | 20.50   |
|           |            | 12      | 0         | 19.48   | 19.58   | 19.60   | 20.50   |
|           |            | 12      | 6         | 19.70   | 19.71   | 19.71   | 20.50   |
|           |            | 12      | 13        | 19.66   | 19.66   | 19.49   | 20.50   |
|           |            | 25      | 0         | 19.63   | 19.60   | 19.51   | 20.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.52   | 19.15   | 19.22   | 20.50   |
|           |            | 1       | 25        | 19.26   | 19.27   | 19.18   | 20.50   |
|           |            | 1       | 49        | 19.14   | 19.08   | 19.26   | 20.50   |
|           |            | 25      | 0         | 19.18   | 19.29   | 19.31   | 20.50   |
|           |            | 25      | 13        | 19.18   | 19.25   | 19.22   | 20.50   |
|           |            | 25      | 25        | 19.29   | 19.08   | 19.25   | 20.50   |
|           |            | 50      | 0         | 19.34   | 19.16   | 19.12   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.66   | 19.55   | 19.43   | 20.50   |
|           |            | 1       | 25        | 19.59   | 19.46   | 19.55   | 20.50   |
|           |            | 1       | 49        | 19.35   | 19.49   | 19.42   | 20.50   |
|           |            | 25      | 0         | 19.32   | 19.22   | 19.24   | 20.50   |
|           |            | 25      | 13        | 19.29   | 19.24   | 19.17   | 20.50   |
|           |            | 25      | 25        | 19.25   | 19.18   | 19.15   | 20.50   |
|           |            | 50      | 0         | 19.31   | 19.21   | 19.18   | 20.50   |
|           | 64QAM      | 1       | 0         | 19.56   | 19.68   | 19.52   | 20.50   |
|           |            | 1       | 25        | 19.42   | 19.64   | 19.49   | 20.50   |
|           |            | 1       | 49        | 19.71   | 19.69   | 19.61   | 20.50   |
|           |            | 25      | 0         | 19.47   | 19.52   | 19.57   | 20.50   |
|           |            | 25      | 13        | 19.51   | 19.51   | 19.42   | 20.50   |
|           |            | 25      | 25        | 19.52   | 19.32   | 19.40   | 20.50   |
|           |            | 50      | 0         | 19.52   | 19.46   | 19.33   | 20.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.32   | 19.14   | 19.37   | 20.50   |
|           |            | 1       | 38        | 19.20   | 19.05   | 19.34   | 20.50   |
|           |            | 1       | 74        | 19.08   | 19.02   | 19.21   | 20.50   |
|           |            | 36      | 0         | 19.22   | 19.13   | 19.28   | 20.50   |
|           |            | 36      | 18        | 19.18   | 19.08   | 19.25   | 20.50   |
|           |            | 36      | 39        | 19.32   | 19.26   | 19.29   | 20.50   |
|           |            | 75      | 0         | 19.40   | 19.39   | 19.37   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.42   | 19.71   | 19.70   | 20.50   |
|           |            | 1       | 38        | 19.50   | 19.35   | 19.70   | 20.50   |
|           |            | 1       | 74        | 19.24   | 19.58   | 19.63   | 20.50   |
|           |            | 36      | 0         | 19.35   | 19.25   | 19.19   | 20.50   |
|           |            | 36      | 18        | 19.22   | 19.22   | 19.17   | 20.50   |
|           |            | 36      | 39        | 19.17   | 19.13   | 19.21   | 20.50   |
|           |            | 75      | 0         | 19.25   | 19.20   | 19.34   | 20.50   |
|           | 64QAM      | 1       | 0         | 19.69   | 19.66   | 19.67   | 20.50   |
|           |            | 1       | 38        | 19.69   | 19.64   | 19.69   | 20.50   |
|           |            | 1       | 74        | 19.70   | 19.65   | 19.61   | 20.50   |
|           |            | 36      | 0         | 19.51   | 19.56   | 19.37   | 20.50   |
|           |            | 36      | 18        | 19.41   | 19.43   | 19.51   | 20.50   |
|           |            | 36      | 39        | 19.61   | 19.55   | 19.49   | 20.50   |
|           |            | 75      | 0         | 19.56   | 19.61   | 19.47   | 20.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 19.52   | 19.62   | 19.52   | 20.50   |
|           |            | 1       | 50        | 19.22   | 19.19   | 19.33   | 20.50   |
|           |            | 1       | 99        | 19.63   | 19.47   | 19.45   | 20.50   |
|           |            | 50      | 0         | 19.37   | 19.43   | 19.36   | 20.50   |
|           |            | 50      | 25        | 19.29   | 19.33   | 19.31   | 20.50   |
|           |            | 50      | 50        | 19.41   | 19.24   | 19.42   | 20.50   |
|           |            | 100     | 0         | 19.44   | 19.37   | 19.31   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.51   | 19.57   | 19.67   | 20.50   |
|           |            | 1       | 50        | 19.41   | 19.68   | 19.59   | 20.50   |
|           |            | 1       | 99        | 19.45   | 19.27   | 19.65   | 20.50   |
|           |            | 50      | 0         | 19.38   | 19.24   | 19.43   | 20.50   |
|           |            | 50      | 25        | 19.28   | 19.19   | 19.20   | 20.50   |
|           |            | 50      | 50        | 19.47   | 19.31   | 19.34   | 20.50   |
|           |            | 100     | 0         | 19.46   | 19.38   | 19.48   | 20.50   |
|           | 64QAM      | 1       | 0         | 19.72   | 19.65   | 19.61   | 20.50   |
|           |            | 1       | 50        | 19.63   | 19.61   | 19.56   | 20.50   |
|           |            | 1       | 99        | 19.71   | 19.65   | 19.61   | 20.50   |
|           |            | 50      | 0         | 19.47   | 19.50   | 19.51   | 20.50   |
|           |            | 50      | 25        | 19.51   | 19.35   | 19.59   | 20.50   |
|           |            | 50      | 50        | 19.64   | 19.41   | 19.54   | 20.50   |
|           |            | 100     | 0         | 19.64   | 19.42   | 19.62   | 20.50   |



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| LTE Band 4 Full Power/Receiver off/Receiver off+BT/WiFi 5G(Rec off)/WiFi 5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                         |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                                                                                  | QPSK       | 1       | 0         | 23.36                | 23.17   | 23.32   | 24.00   |
|                                                                                         |            | 1       | 2         | 23.25                | 23.11   | 23.16   | 24.00   |
|                                                                                         |            | 1       | 5         | 23.36                | 23.20   | 23.30   | 24.00   |
|                                                                                         |            | 3       | 0         | 23.30                | 23.23   | 23.15   | 24.00   |
|                                                                                         |            | 3       | 2         | 23.39                | 23.28   | 23.27   | 24.00   |
|                                                                                         |            | 3       | 3         | 23.34                | 23.32   | 23.26   | 24.00   |
|                                                                                         | 16QAM      | 6       | 0         | 22.36                | 22.32   | 22.36   | 23.00   |
|                                                                                         |            | 1       | 0         | 22.51                | 22.43   | 22.17   | 23.30   |
|                                                                                         |            | 1       | 2         | 22.41                | 22.55   | 22.19   | 23.30   |
|                                                                                         |            | 1       | 5         | 22.62                | 22.58   | 22.89   | 23.30   |
|                                                                                         |            | 3       | 0         | 22.22                | 22.21   | 22.15   | 23.30   |
|                                                                                         |            | 3       | 2         | 22.01                | 22.25   | 22.06   | 23.30   |
|                                                                                         | 64QAM      | 3       | 3         | 22.20                | 21.90   | 22.22   | 23.30   |
|                                                                                         |            | 6       | 0         | 21.38                | 21.35   | 21.13   | 22.30   |
|                                                                                         |            | 1       | 0         | 21.33                | 21.51   | 21.48   | 22.30   |
|                                                                                         |            | 1       | 2         | 21.43                | 21.61   | 21.14   | 22.30   |
|                                                                                         |            | 1       | 5         | 21.34                | 20.98   | 21.34   | 22.30   |
|                                                                                         |            | 3       | 0         | 21.28                | 21.28   | 21.25   | 22.30   |
| 3MHz                                                                                    | QPSK       | 3       | 2         | 21.27                | 21.31   | 21.21   | 22.30   |
|                                                                                         |            | 3       | 3         | 21.21                | 21.11   | 21.38   | 22.30   |
|                                                                                         |            | 6       | 0         | 20.08                | 20.34   | 20.53   | 21.30   |
|                                                                                         | 16QAM      | 1       | 0         | 23.30                | 23.14   | 23.11   | 24.00   |
|                                                                                         |            | 1       | 7         | 23.03                | 23.00   | 23.18   | 24.00   |
|                                                                                         |            | 1       | 14        | 23.28                | 23.25   | 23.23   | 24.00   |
|                                                                                         | 64QAM      | 8       | 0         | 22.30                | 22.24   | 22.31   | 23.00   |
|                                                                                         |            | 8       | 4         | 22.44                | 22.23   | 22.37   | 23.00   |
|                                                                                         |            | 8       | 7         | 22.28                | 22.22   | 22.31   | 23.00   |
|                                                                                         | 16QAM      | 15      | 0         | 22.36                | 22.32   | 22.30   | 23.00   |
|                                                                                         |            | 1       | 0         | 22.43                | 22.45   | 22.63   | 23.30   |
|                                                                                         |            | 1       | 7         | 22.20                | 21.85   | 22.36   | 23.30   |
|                                                                                         |            | 1       | 14        | 22.86                | 22.40   | 22.08   | 23.30   |
|                                                                                         | 64QAM      | 8       | 0         | 21.51                | 21.22   | 21.30   | 22.30   |
|                                                                                         |            | 8       | 4         | 21.21                | 21.29   | 21.23   | 22.30   |
|                                                                                         |            | 8       | 7         | 21.50                | 21.23   | 21.46   | 22.30   |
|                                                                                         | 16QAM      | 15      | 0         | 21.43                | 21.17   | 21.18   | 22.30   |
|                                                                                         |            | 1       | 0         | 21.19                | 21.26   | 21.19   | 22.30   |
|                                                                                         |            | 1       | 7         | 21.05                | 21.69   | 21.20   | 22.30   |
|                                                                                         | 64QAM      | 1       | 14        | 21.70                | 21.29   | 21.31   | 22.30   |
|                                                                                         |            | 8       | 0         | 20.15                | 20.23   | 20.21   | 21.30   |
|                                                                                         |            | 8       | 4         | 20.33                | 20.23   | 20.24   | 21.30   |
|                                                                                         |            | 8       | 7         | 20.27                | 20.42   | 20.33   | 21.30   |
|                                                                                         |            | 15      | 0         | 20.28                | 20.21   | 20.13   | 21.30   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.32   | 23.34   | 23.08   | 24.00   |
|           |            | 1       | 13        | 23.37   | 23.32   | 23.32   | 24.00   |
|           |            | 1       | 24        | 23.30   | 23.22   | 23.28   | 24.00   |
|           |            | 12      | 0         | 22.38   | 22.29   | 22.32   | 23.00   |
|           |            | 12      | 6         | 22.34   | 22.29   | 22.32   | 23.00   |
|           |            | 12      | 13        | 22.37   | 22.21   | 22.37   | 23.00   |
|           |            | 25      | 0         | 22.33   | 22.22   | 22.27   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.69   | 22.58   | 22.64   | 23.30   |
|           |            | 1       | 13        | 22.69   | 22.64   | 22.81   | 23.30   |
|           |            | 1       | 24        | 22.61   | 22.27   | 22.23   | 23.30   |
|           |            | 12      | 0         | 21.36   | 21.31   | 21.27   | 22.30   |
|           |            | 12      | 6         | 21.34   | 21.31   | 21.29   | 22.30   |
|           |            | 12      | 13        | 21.46   | 21.12   | 21.29   | 22.30   |
|           |            | 25      | 0         | 21.40   | 21.24   | 21.20   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.29   | 20.99   | 21.22   | 22.30   |
|           |            | 1       | 13        | 21.46   | 21.16   | 21.24   | 22.30   |
|           |            | 1       | 24        | 21.28   | 21.65   | 21.38   | 22.30   |
|           |            | 12      | 0         | 20.26   | 20.35   | 20.24   | 21.30   |
|           |            | 12      | 6         | 20.33   | 20.23   | 20.45   | 21.30   |
|           |            | 12      | 13        | 20.41   | 20.23   | 20.39   | 21.30   |
|           |            | 25      | 0         | 20.30   | 20.08   | 20.21   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.08   | 23.23   | 23.08   | 24.00   |
|           |            | 1       | 25        | 23.09   | 23.29   | 23.27   | 24.00   |
|           |            | 1       | 49        | 23.14   | 23.20   | 23.22   | 24.00   |
|           |            | 25      | 0         | 22.37   | 22.26   | 22.30   | 23.00   |
|           |            | 25      | 13        | 22.34   | 22.27   | 22.28   | 23.00   |
|           |            | 25      | 25        | 22.53   | 22.24   | 22.38   | 23.00   |
|           |            | 50      | 0         | 22.32   | 22.27   | 22.30   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.18   | 22.13   | 22.41   | 23.30   |
|           |            | 1       | 25        | 22.74   | 22.48   | 22.53   | 23.30   |
|           |            | 1       | 49        | 22.46   | 22.56   | 22.68   | 23.30   |
|           |            | 25      | 0         | 21.37   | 21.33   | 21.23   | 22.30   |
|           |            | 25      | 13        | 21.31   | 21.27   | 21.29   | 22.30   |
|           |            | 25      | 25        | 21.41   | 21.11   | 21.38   | 22.30   |
|           |            | 50      | 0         | 21.20   | 21.29   | 21.30   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.15   | 21.01   | 21.31   | 22.30   |
|           |            | 1       | 25        | 21.00   | 21.51   | 21.47   | 22.30   |
|           |            | 1       | 49        | 21.74   | 21.12   | 21.11   | 22.30   |
|           |            | 25      | 0         | 20.27   | 20.11   | 20.08   | 21.30   |
|           |            | 25      | 13        | 20.19   | 20.15   | 20.16   | 21.30   |
|           |            | 25      | 25        | 20.06   | 20.21   | 20.18   | 21.30   |
|           |            | 50      | 0         | 20.29   | 20.23   | 20.21   | 21.30   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|--------------|---------|---------|---------|
|           |            |         |           | 20025        | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.35        | 23.17   | 23.18   | 24.00   |
|           |            | 1       | 38        | 23.24        | 23.31   | 23.36   | 24.00   |
|           |            | 1       | 74        | 23.21        | 23.20   | 23.26   | 24.00   |
|           |            | 36      | 0         | 22.41        | 22.31   | 22.21   | 23.00   |
|           |            | 36      | 18        | 22.24        | 22.31   | 22.35   | 23.00   |
|           |            | 36      | 39        | 22.32        | 22.32   | 22.43   | 23.00   |
|           |            | 75      | 0         | 22.20        | 22.27   | 22.31   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.54        | 22.60   | 22.59   | 23.30   |
|           |            | 1       | 38        | 22.70        | 22.53   | 22.62   | 23.30   |
|           |            | 1       | 74        | 22.54        | 22.83   | 22.15   | 23.30   |
|           |            | 36      | 0         | 21.33        | 21.33   | 21.16   | 22.30   |
|           |            | 36      | 18        | 21.35        | 21.21   | 21.30   | 22.30   |
|           |            | 36      | 39        | 21.23        | 21.17   | 21.37   | 22.30   |
|           |            | 75      | 0         | 21.27        | 21.20   | 21.23   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.47        | 21.14   | 20.87   | 22.30   |
|           |            | 1       | 38        | 20.91        | 21.59   | 21.14   | 22.30   |
|           |            | 1       | 74        | 21.63        | 21.55   | 21.47   | 22.30   |
|           |            | 36      | 0         | 20.09        | 20.22   | 20.22   | 21.30   |
|           |            | 36      | 18        | 20.29        | 20.13   | 20.14   | 21.30   |
|           |            | 36      | 39        | 20.26        | 20.19   | 20.45   | 21.30   |
|           |            | 75      | 0         | 20.28        | 20.24   | 20.15   | 21.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel | Tune up |
|           |            |         |           | 20050        | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | <b>23.48</b> | 23.34   | 23.12   | 24.00   |
|           |            | 1       | 50        | 23.14        | 23.31   | 23.39   | 24.00   |
|           |            | 1       | 99        | 23.31        | 23.46   | 23.43   | 24.00   |
|           |            | 50      | 0         | <b>22.46</b> | 22.41   | 22.37   | 23.00   |
|           |            | 50      | 25        | 22.27        | 22.24   | 22.30   | 23.00   |
|           |            | 50      | 50        | 22.29        | 22.40   | 22.38   | 23.00   |
|           |            | 100     | 0         | 22.25        | 22.31   | 22.41   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.88        | 22.51   | 22.68   | 23.30   |
|           |            | 1       | 50        | 22.53        | 22.43   | 22.46   | 23.30   |
|           |            | 1       | 99        | 22.52        | 22.72   | 22.73   | 23.30   |
|           |            | 50      | 0         | 21.35        | 21.31   | 21.19   | 22.30   |
|           |            | 50      | 25        | 21.26        | 21.18   | 21.23   | 22.30   |
|           |            | 50      | 50        | 21.28        | 21.25   | 21.44   | 22.30   |
|           |            | 100     | 0         | 21.22        | 21.16   | 21.30   | 22.30   |
|           | 64QAM      | 1       | 0         | 21.32        | 21.40   | 21.19   | 22.30   |
|           |            | 1       | 50        | 20.89        | 21.05   | 21.27   | 22.30   |
|           |            | 1       | 99        | 21.29        | 21.07   | 21.48   | 22.30   |
|           |            | 50      | 0         | 20.28        | 20.16   | 20.23   | 21.30   |
|           |            | 50      | 25        | 20.23        | 20.19   | 20.11   | 21.30   |
|           |            | 50      | 50        | 20.34        | 20.11   | 20.34   | 21.30   |
|           |            | 100     | 0         | 20.21        | 20.23   | 20.25   | 21.30   |

| LTE Band 4 Receiver on/Receiver on+BT/WiFi 5G(Receiver on)/WiFi 5G(Receiver on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                    |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                                                                             | QPSK       | 1       | 0         | 18.00                | 18.26   | 18.06   | 19.00   |
|                                                                                    |            | 1       | 2         | 18.07                | 17.86   | 17.99   | 19.00   |
|                                                                                    |            | 1       | 5         | 18.06                | 18.26   | 18.04   | 19.00   |
|                                                                                    |            | 3       | 0         | 18.20                | 17.91   | 18.04   | 19.00   |
|                                                                                    |            | 3       | 2         | 17.92                | 17.93   | 17.98   | 19.00   |
|                                                                                    |            | 3       | 3         | 17.90                | 17.89   | 17.95   | 19.00   |
|                                                                                    |            | 6       | 0         | 17.95                | 18.19   | 17.85   | 19.00   |
|                                                                                    | 16QAM      | 1       | 0         | 18.16                | 18.57   | 18.16   | 19.00   |
|                                                                                    |            | 1       | 2         | 18.45                | 17.79   | 17.78   | 19.00   |
|                                                                                    |            | 1       | 5         | 18.43                | 18.50   | 17.82   | 19.00   |
|                                                                                    |            | 3       | 0         | 17.98                | 18.37   | 17.87   | 19.00   |
|                                                                                    |            | 3       | 2         | 17.89                | 18.22   | 17.89   | 19.00   |
|                                                                                    |            | 3       | 3         | 18.13                | 17.97   | 18.17   | 19.00   |
|                                                                                    |            | 6       | 0         | 18.09                | 18.13   | 18.00   | 19.00   |
|                                                                                    | 64QAM      | 1       | 0         | 18.07                | 18.18   | 18.08   | 19.00   |
|                                                                                    |            | 1       | 2         | 18.23                | 17.83   | 17.68   | 19.00   |
|                                                                                    |            | 1       | 5         | 18.29                | 18.24   | 17.80   | 19.00   |
|                                                                                    |            | 3       | 0         | 18.13                | 18.25   | 18.08   | 19.00   |
|                                                                                    |            | 3       | 2         | 18.01                | 18.10   | 18.11   | 19.00   |
|                                                                                    |            | 3       | 3         | 17.91                | 18.07   | 17.82   | 19.00   |
|                                                                                    |            | 6       | 0         | 18.27                | 17.89   | 17.85   | 19.00   |
| Bandwidth                                                                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                    |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz                                                                               | QPSK       | 1       | 0         | 17.98                | 17.91   | 17.91   | 19.00   |
|                                                                                    |            | 1       | 7         | 18.03                | 17.87   | 17.90   | 19.00   |
|                                                                                    |            | 1       | 14        | 17.86                | 18.14   | 17.95   | 19.00   |
|                                                                                    |            | 8       | 0         | 17.99                | 17.95   | 18.01   | 19.00   |
|                                                                                    |            | 8       | 4         | 17.99                | 18.20   | 18.06   | 19.00   |
|                                                                                    |            | 8       | 7         | 17.94                | 18.13   | 17.96   | 19.00   |
|                                                                                    |            | 15      | 0         | 18.07                | 18.16   | 17.92   | 19.00   |
|                                                                                    | 16QAM      | 1       | 0         | 18.54                | 18.44   | 18.16   | 19.00   |
|                                                                                    |            | 1       | 7         | 18.16                | 17.86   | 18.33   | 19.00   |
|                                                                                    |            | 1       | 14        | 18.12                | 18.44   | 18.35   | 19.00   |
|                                                                                    |            | 8       | 0         | 18.01                | 17.92   | 17.86   | 19.00   |
|                                                                                    |            | 8       | 4         | 17.95                | 18.12   | 18.02   | 19.00   |
|                                                                                    |            | 8       | 7         | 18.06                | 18.23   | 18.05   | 19.00   |
|                                                                                    |            | 15      | 0         | 18.06                | 17.96   | 17.96   | 19.00   |
|                                                                                    | 64QAM      | 1       | 0         | 17.92                | 17.79   | 18.07   | 19.00   |
|                                                                                    |            | 1       | 7         | 17.66                | 17.85   | 18.03   | 19.00   |
|                                                                                    |            | 1       | 14        | 18.06                | 18.03   | 18.14   | 19.00   |
|                                                                                    |            | 8       | 0         | 17.90                | 17.89   | 17.91   | 19.00   |
|                                                                                    |            | 8       | 4         | 17.89                | 17.90   | 18.00   | 19.00   |
|                                                                                    |            | 8       | 7         | 17.88                | 18.10   | 17.85   | 19.00   |
|                                                                                    |            | 15      | 0         | 18.02                | 17.85   | 17.83   | 19.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.96   | 18.11   | 18.12   | 19.00   |
|           |            | 1       | 13        | 18.10   | 18.01   | 18.06   | 19.00   |
|           |            | 1       | 24        | 17.92   | 17.94   | 18.11   | 19.00   |
|           |            | 12      | 0         | 18.08   | 18.00   | 17.92   | 19.00   |
|           |            | 12      | 6         | 18.02   | 17.92   | 17.91   | 19.00   |
|           |            | 12      | 13        | 17.90   | 18.21   | 17.92   | 19.00   |
|           |            | 25      | 0         | 17.93   | 17.91   | 17.96   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.56   | 17.88   | 18.04   | 19.00   |
|           |            | 1       | 13        | 18.47   | 18.63   | 18.31   | 19.00   |
|           |            | 1       | 24        | 18.62   | 17.70   | 17.46   | 19.00   |
|           |            | 12      | 0         | 18.01   | 18.09   | 18.03   | 19.00   |
|           |            | 12      | 6         | 18.00   | 17.99   | 17.89   | 19.00   |
|           |            | 12      | 13        | 18.02   | 18.08   | 18.03   | 19.00   |
|           |            | 25      | 0         | 18.05   | 17.94   | 17.88   | 19.00   |
|           | 64QAM      | 1       | 0         | 18.10   | 18.18   | 18.09   | 19.00   |
|           |            | 1       | 13        | 17.93   | 18.24   | 18.18   | 19.00   |
|           |            | 1       | 24        | 17.93   | 18.38   | 18.23   | 19.00   |
|           |            | 12      | 0         | 17.94   | 18.16   | 17.86   | 19.00   |
|           |            | 12      | 6         | 18.00   | 18.00   | 17.91   | 19.00   |
|           |            | 12      | 13        | 18.04   | 18.06   | 17.96   | 19.00   |
|           |            | 25      | 0         | 18.01   | 18.03   | 17.98   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.93   | 18.15   | 18.10   | 19.00   |
|           |            | 1       | 25        | 18.08   | 17.89   | 17.93   | 19.00   |
|           |            | 1       | 49        | 17.96   | 17.94   | 18.09   | 19.00   |
|           |            | 25      | 0         | 17.93   | 18.02   | 17.98   | 19.00   |
|           |            | 25      | 13        | 17.94   | 18.15   | 17.91   | 19.00   |
|           |            | 25      | 25        | 17.99   | 18.00   | 17.93   | 19.00   |
|           |            | 50      | 0         | 17.96   | 18.11   | 17.94   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.21   | 18.41   | 17.82   | 19.00   |
|           |            | 1       | 25        | 18.16   | 17.89   | 17.77   | 19.00   |
|           |            | 1       | 49        | 18.47   | 18.27   | 18.16   | 19.00   |
|           |            | 25      | 0         | 18.01   | 17.88   | 17.93   | 19.00   |
|           |            | 25      | 13        | 18.03   | 18.05   | 17.98   | 19.00   |
|           |            | 25      | 25        | 18.04   | 17.94   | 17.82   | 19.00   |
|           |            | 50      | 0         | 18.06   | 18.02   | 17.87   | 19.00   |
|           | 64QAM      | 1       | 0         | 18.48   | 18.36   | 18.20   | 19.00   |
|           |            | 1       | 25        | 17.74   | 18.27   | 18.02   | 19.00   |
|           |            | 1       | 49        | 17.77   | 18.18   | 18.23   | 19.00   |
|           |            | 25      | 0         | 17.99   | 17.88   | 17.98   | 19.00   |
|           |            | 25      | 13        | 17.98   | 17.97   | 17.96   | 19.00   |
|           |            | 25      | 25        | 17.99   | 17.97   | 17.84   | 19.00   |
|           |            | 50      | 0         | 17.99   | 17.93   | 17.85   | 19.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.03   | 18.13   | 18.21   | 19.00   |
|           |            | 1       | 38        | 18.13   | 18.31   | 17.99   | 19.00   |
|           |            | 1       | 74        | 18.10   | 18.05   | 18.00   | 19.00   |
|           |            | 36      | 0         | 18.07   | 18.15   | 17.96   | 19.00   |
|           |            | 36      | 18        | 17.95   | 18.07   | 17.92   | 19.00   |
|           |            | 36      | 39        | 18.02   | 18.12   | 17.98   | 19.00   |
|           |            | 75      | 0         | 18.03   | 18.11   | 17.86   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.40   | 18.18   | 18.29   | 19.00   |
|           |            | 1       | 38        | 17.94   | 18.63   | 18.32   | 19.00   |
|           |            | 1       | 74        | 18.37   | 18.25   | 18.25   | 19.00   |
|           |            | 36      | 0         | 18.01   | 17.96   | 17.96   | 19.00   |
|           |            | 36      | 18        | 17.99   | 17.97   | 17.96   | 19.00   |
|           |            | 36      | 39        | 17.97   | 17.88   | 17.89   | 19.00   |
|           |            | 75      | 0         | 17.93   | 18.00   | 17.99   | 19.00   |
|           | 64QAM      | 1       | 0         | 18.08   | 18.15   | 17.80   | 19.00   |
|           |            | 1       | 38        | 18.24   | 17.89   | 17.65   | 19.00   |
|           |            | 1       | 74        | 17.85   | 18.24   | 18.09   | 19.00   |
|           |            | 36      | 0         | 17.91   | 18.03   | 18.11   | 19.00   |
|           |            | 36      | 18        | 18.08   | 17.95   | 17.92   | 19.00   |
|           |            | 36      | 39        | 18.00   | 18.04   | 17.75   | 19.00   |
|           |            | 75      | 0         | 17.94   | 17.90   | 17.84   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.10   | 18.23   | 18.22   | 19.00   |
|           |            | 1       | 50        | 18.13   | 18.12   | 17.98   | 19.00   |
|           |            | 1       | 99        | 18.10   | 18.03   | 18.09   | 19.00   |
|           |            | 50      | 0         | 17.97   | 18.08   | 18.02   | 19.00   |
|           |            | 50      | 25        | 17.93   | 18.17   | 17.96   | 19.00   |
|           |            | 50      | 50        | 18.28   | 18.10   | 18.02   | 19.00   |
|           |            | 100     | 0         | 18.06   | 18.02   | 17.92   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.06   | 18.57   | 18.07   | 19.00   |
|           |            | 1       | 50        | 18.13   | 18.44   | 18.55   | 19.00   |
|           |            | 1       | 99        | 18.64   | 18.37   | 17.65   | 19.00   |
|           |            | 50      | 0         | 18.06   | 18.01   | 18.03   | 19.00   |
|           |            | 50      | 25        | 17.93   | 17.90   | 18.00   | 19.00   |
|           |            | 50      | 50        | 18.11   | 17.93   | 17.96   | 19.00   |
|           |            | 100     | 0         | 17.99   | 17.98   | 18.06   | 19.00   |
|           | 64QAM      | 1       | 0         | 18.21   | 18.03   | 17.88   | 19.00   |
|           |            | 1       | 50        | 18.10   | 18.45   | 17.76   | 19.00   |
|           |            | 1       | 99        | 18.23   | 18.23   | 18.22   | 19.00   |
|           |            | 50      | 0         | 17.98   | 18.01   | 18.06   | 19.00   |
|           |            | 50      | 25        | 17.94   | 17.95   | 17.84   | 19.00   |
|           |            | 50      | 50        | 18.05   | 18.06   | 17.78   | 19.00   |
|           |            | 100     | 0         | 17.94   | 17.92   | 17.96   | 19.00   |



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| LTE Band 4 WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT/WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |                  |                  |         |
|----------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                                                                                          | Modulation | RB size | RB offset | Channel<br>19957     | Channel<br>20175 | Channel<br>20393 | Tune up |
| 1.4MHz                                                                                             | QPSK       | 1       | 0         | 18.52                | 18.70            | 18.37            | 19.50   |
|                                                                                                    |            | 1       | 2         | 18.52                | 18.42            | 18.33            | 19.50   |
|                                                                                                    |            | 1       | 5         | 18.63                | 18.65            | 18.63            | 19.50   |
|                                                                                                    |            | 3       | 0         | 18.50                | 18.62            | 18.34            | 19.50   |
|                                                                                                    |            | 3       | 2         | 18.49                | 18.60            | 18.56            | 19.50   |
|                                                                                                    |            | 3       | 3         | 18.46                | 18.55            | 18.40            | 19.50   |
|                                                                                                    |            | 6       | 0         | 18.54                | 18.54            | 18.42            | 19.50   |
|                                                                                                    | 16QAM      | 1       | 0         | 18.81                | 18.72            | 18.67            | 19.50   |
|                                                                                                    |            | 1       | 2         | 18.86                | 18.73            | 18.76            | 19.50   |
|                                                                                                    |            | 1       | 5         | 18.89                | 18.81            | 17.95            | 19.50   |
|                                                                                                    |            | 3       | 0         | 18.68                | 18.28            | 18.47            | 19.50   |
|                                                                                                    |            | 3       | 2         | 18.44                | 18.64            | 18.70            | 19.50   |
|                                                                                                    |            | 3       | 3         | 18.49                | 18.56            | 18.38            | 19.50   |
|                                                                                                    |            | 6       | 0         | 18.62                | 18.50            | 18.57            | 19.50   |
|                                                                                                    | 64QAM      | 1       | 0         | 18.19                | 18.90            | 18.08            | 19.50   |
|                                                                                                    |            | 1       | 2         | 18.58                | 18.21            | 18.33            | 19.50   |
|                                                                                                    |            | 1       | 5         | 18.45                | 18.49            | 18.70            | 19.50   |
|                                                                                                    |            | 3       | 0         | 18.34                | 18.54            | 18.32            | 19.50   |
|                                                                                                    |            | 3       | 2         | 18.41                | 18.48            | 18.40            | 19.50   |
|                                                                                                    |            | 3       | 3         | 18.75                | 18.35            | 18.30            | 19.50   |
|                                                                                                    |            | 6       | 0         | 18.49                | 18.74            | 18.45            | 19.50   |
| Bandwidth                                                                                          | Modulation | RB size | RB offset | Channel<br>19965     | Channel<br>20175 | Channel<br>20385 | Tune up |
| 3MHz                                                                                               | QPSK       | 1       | 0         | 18.42                | 18.51            | 18.44            | 19.50   |
|                                                                                                    |            | 1       | 7         | 18.40                | 18.34            | 18.35            | 19.50   |
|                                                                                                    |            | 1       | 14        | 18.48                | 18.65            | 18.51            | 19.50   |
|                                                                                                    |            | 8       | 0         | 18.52                | 18.46            | 18.44            | 19.50   |
|                                                                                                    |            | 8       | 4         | 18.51                | 18.45            | 18.43            | 19.50   |
|                                                                                                    |            | 8       | 7         | 18.47                | 18.61            | 18.33            | 19.50   |
|                                                                                                    |            | 15      | 0         | 18.53                | 18.53            | 18.51            | 19.50   |
|                                                                                                    | 16QAM      | 1       | 0         | 18.90                | 18.00            | 18.72            | 19.50   |
|                                                                                                    |            | 1       | 7         | 18.89                | 18.24            | 18.70            | 19.50   |
|                                                                                                    |            | 1       | 14        | 18.87                | 18.89            | 18.81            | 19.50   |
|                                                                                                    |            | 8       | 0         | 18.53                | 18.50            | 18.46            | 19.50   |
|                                                                                                    |            | 8       | 4         | 18.59                | 18.61            | 18.34            | 19.50   |
|                                                                                                    |            | 8       | 7         | 18.50                | 18.60            | 18.49            | 19.50   |
|                                                                                                    |            | 15      | 0         | 18.46                | 18.61            | 18.35            | 19.50   |
|                                                                                                    | 64QAM      | 1       | 0         | 19.19                | 18.41            | 18.29            | 19.50   |
|                                                                                                    |            | 1       | 7         | 18.52                | 18.75            | 18.50            | 19.50   |
|                                                                                                    |            | 1       | 14        | 18.81                | 18.82            | 18.72            | 19.50   |
|                                                                                                    |            | 8       | 0         | 18.47                | 18.59            | 18.28            | 19.50   |
|                                                                                                    |            | 8       | 4         | 18.51                | 18.43            | 18.27            | 19.50   |
|                                                                                                    |            | 8       | 7         | 18.38                | 18.52            | 18.24            | 19.50   |
|                                                                                                    |            | 15      | 0         | 18.52                | 18.65            | 18.44            | 19.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.51   | 18.47   | 18.49   | 19.50   |
|           |            | 1       | 13        | 18.64   | 18.56   | 18.40   | 19.50   |
|           |            | 1       | 24        | 18.36   | 18.47   | 18.43   | 19.50   |
|           |            | 12      | 0         | 18.49   | 18.55   | 18.46   | 19.50   |
|           |            | 12      | 6         | 18.62   | 18.50   | 18.50   | 19.50   |
|           |            | 12      | 13        | 18.51   | 18.47   | 18.50   | 19.50   |
|           |            | 25      | 0         | 18.45   | 18.57   | 18.46   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.66   | 18.81   | 18.95   | 19.50   |
|           |            | 1       | 13        | 18.03   | 18.73   | 18.94   | 19.50   |
|           |            | 1       | 24        | 18.44   | 18.60   | 18.57   | 19.50   |
|           |            | 12      | 0         | 18.54   | 18.49   | 18.43   | 19.50   |
|           |            | 12      | 6         | 18.50   | 18.63   | 18.50   | 19.50   |
|           |            | 12      | 13        | 18.34   | 18.63   | 18.38   | 19.50   |
|           |            | 25      | 0         | 18.45   | 18.61   | 18.34   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.45   | 18.62   | 18.52   | 19.50   |
|           |            | 1       | 13        | 18.56   | 18.73   | 18.55   | 19.50   |
|           |            | 1       | 24        | 18.40   | 18.39   | 18.41   | 19.50   |
|           |            | 12      | 0         | 18.39   | 18.40   | 18.50   | 19.50   |
|           |            | 12      | 6         | 18.63   | 18.47   | 18.67   | 19.50   |
|           |            | 12      | 13        | 18.59   | 18.63   | 18.50   | 19.50   |
|           |            | 25      | 0         | 18.57   | 18.68   | 18.58   | 19.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.45   | 18.66   | 18.54   | 19.50   |
|           |            | 1       | 25        | 18.57   | 18.65   | 18.45   | 19.50   |
|           |            | 1       | 49        | 18.51   | 18.53   | 18.41   | 19.50   |
|           |            | 25      | 0         | 18.50   | 18.63   | 18.46   | 19.50   |
|           |            | 25      | 13        | 18.52   | 18.52   | 18.52   | 19.50   |
|           |            | 25      | 25        | 18.55   | 18.51   | 18.36   | 19.50   |
|           |            | 50      | 0         | 18.46   | 18.49   | 18.42   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.05   | 18.93   | 18.87   | 19.50   |
|           |            | 1       | 25        | 18.78   | 18.82   | 18.94   | 19.50   |
|           |            | 1       | 49        | 18.51   | 18.89   | 18.86   | 19.50   |
|           |            | 25      | 0         | 18.42   | 18.49   | 18.38   | 19.50   |
|           |            | 25      | 13        | 18.42   | 18.63   | 18.49   | 19.50   |
|           |            | 25      | 25        | 18.43   | 18.62   | 18.34   | 19.50   |
|           |            | 50      | 0         | 18.42   | 18.56   | 18.35   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.64   | 18.70   | 17.98   | 19.50   |
|           |            | 1       | 25        | 18.65   | 18.92   | 18.31   | 19.50   |
|           |            | 1       | 49        | 18.90   | 18.20   | 18.46   | 19.50   |
|           |            | 25      | 0         | 18.32   | 18.53   | 18.53   | 19.50   |
|           |            | 25      | 13        | 18.41   | 18.59   | 18.33   | 19.50   |
|           |            | 25      | 25        | 18.33   | 18.63   | 18.30   | 19.50   |
|           |            | 50      | 0         | 18.39   | 18.45   | 18.36   | 19.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.59   | 18.65   | 18.62   | 19.50   |
|           |            | 1       | 38        | 18.48   | 18.73   | 18.42   | 19.50   |
|           |            | 1       | 74        | 18.61   | 18.50   | 18.37   | 19.50   |
|           |            | 36      | 0         | 18.61   | 18.51   | 18.54   | 19.50   |
|           |            | 36      | 18        | 18.53   | 18.51   | 18.56   | 19.50   |
|           |            | 36      | 39        | 18.66   | 18.50   | 18.46   | 19.50   |
|           |            | 75      | 0         | 18.55   | 18.51   | 18.52   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.79   | 18.01   | 18.80   | 19.50   |
|           |            | 1       | 38        | 18.25   | 18.82   | 18.93   | 19.50   |
|           |            | 1       | 74        | 18.67   | 18.73   | 18.91   | 19.50   |
|           |            | 36      | 0         | 18.42   | 18.62   | 18.48   | 19.50   |
|           |            | 36      | 18        | 18.51   | 18.62   | 18.34   | 19.50   |
|           |            | 36      | 39        | 18.52   | 18.46   | 18.42   | 19.50   |
|           |            | 75      | 0         | 18.45   | 18.55   | 18.43   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.66   | 18.53   | 18.23   | 19.50   |
|           |            | 1       | 38        | 18.58   | 18.46   | 18.33   | 19.50   |
|           |            | 1       | 74        | 18.66   | 18.55   | 18.42   | 19.50   |
|           |            | 36      | 0         | 18.53   | 18.55   | 18.44   | 19.50   |
|           |            | 36      | 18        | 18.44   | 18.49   | 18.42   | 19.50   |
|           |            | 36      | 39        | 18.55   | 18.55   | 18.40   | 19.50   |
|           |            | 75      | 0         | 18.46   | 18.46   | 18.39   | 19.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.62   | 18.72   | 18.68   | 19.50   |
|           |            | 1       | 50        | 18.52   | 18.75   | 18.50   | 19.50   |
|           |            | 1       | 99        | 18.62   | 18.57   | 18.51   | 19.50   |
|           |            | 50      | 0         | 18.59   | 18.56   | 18.57   | 19.50   |
|           |            | 50      | 25        | 18.46   | 18.51   | 18.48   | 19.50   |
|           |            | 50      | 50        | 18.60   | 18.55   | 18.42   | 19.50   |
|           |            | 100     | 0         | 18.51   | 18.58   | 18.55   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.78   | 18.66   | 18.10   | 19.50   |
|           |            | 1       | 50        | 18.17   | 18.15   | 18.82   | 19.50   |
|           |            | 1       | 99        | 18.91   | 18.76   | 18.89   | 19.50   |
|           |            | 50      | 0         | 18.52   | 18.64   | 18.53   | 19.50   |
|           |            | 50      | 25        | 18.41   | 18.55   | 18.35   | 19.50   |
|           |            | 50      | 50        | 18.65   | 18.52   | 18.40   | 19.50   |
|           |            | 100     | 0         | 18.49   | 18.55   | 18.49   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.55   | 18.47   | 18.84   | 19.50   |
|           |            | 1       | 50        | 18.44   | 18.61   | 18.13   | 19.50   |
|           |            | 1       | 99        | 18.69   | 18.57   | 18.73   | 19.50   |
|           |            | 50      | 0         | 18.44   | 18.67   | 18.54   | 19.50   |
|           |            | 50      | 25        | 18.46   | 18.53   | 18.35   | 19.50   |
|           |            | 50      | 50        | 18.58   | 18.53   | 18.49   | 19.50   |
|           |            | 100     | 0         | 18.54   | 18.45   | 18.46   | 19.50   |

| LTE Band 4 WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                                                                                         | QPSK       | 1       | 0         | 13.64                | 13.74   | 13.79   | 14.80   |
|                                                                                                |            | 1       | 2         | 13.55                | 13.73   | 13.78   | 14.80   |
|                                                                                                |            | 1       | 5         | 13.59                | 13.62   | 13.17   | 14.80   |
|                                                                                                |            | 3       | 0         | 13.62                | 13.73   | 13.74   | 14.80   |
|                                                                                                |            | 3       | 2         | 13.66                | 13.75   | 13.72   | 14.80   |
|                                                                                                |            | 3       | 3         | 13.61                | 13.72   | 13.18   | 14.80   |
|                                                                                                |            | 6       | 0         | 13.54                | 13.51   | 13.58   | 14.80   |
|                                                                                                | 16QAM      | 1       | 0         | 13.65                | 13.57   | 13.77   | 14.80   |
|                                                                                                |            | 1       | 2         | 13.48                | 13.48   | 13.85   | 14.80   |
|                                                                                                |            | 1       | 5         | 13.86                | 13.87   | 13.02   | 14.80   |
|                                                                                                |            | 3       | 0         | 13.65                | 13.73   | 13.65   | 14.80   |
|                                                                                                |            | 3       | 2         | 13.62                | 13.53   | 13.69   | 14.80   |
|                                                                                                |            | 3       | 3         | 13.45                | 13.76   | 13.75   | 14.80   |
|                                                                                                |            | 6       | 0         | 13.33                | 13.34   | 13.26   | 14.80   |
|                                                                                                | 64QAM      | 1       | 0         | 13.83                | 13.80   | 13.86   | 14.80   |
|                                                                                                |            | 1       | 2         | 13.75                | 13.72   | 13.85   | 14.80   |
|                                                                                                |            | 1       | 5         | 13.57                | 13.41   | 13.02   | 14.80   |
|                                                                                                |            | 3       | 0         | 13.58                | 13.48   | 13.51   | 14.80   |
|                                                                                                |            | 3       | 2         | 13.64                | 13.74   | 13.83   | 14.80   |
|                                                                                                |            | 3       | 3         | 13.64                | 13.50   | 13.13   | 14.80   |
|                                                                                                |            | 6       | 0         | 13.32                | 13.27   | 13.36   | 14.80   |
| Bandwidth                                                                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz                                                                                           | QPSK       | 1       | 0         | 13.49                | 13.71   | 13.24   | 14.80   |
|                                                                                                |            | 1       | 7         | 13.55                | 13.75   | 13.86   | 14.80   |
|                                                                                                |            | 1       | 14        | 13.42                | 13.51   | 13.66   | 14.80   |
|                                                                                                |            | 8       | 0         | 13.58                | 13.51   | 13.85   | 14.80   |
|                                                                                                |            | 8       | 4         | 13.58                | 13.51   | 13.70   | 14.80   |
|                                                                                                |            | 8       | 7         | 13.53                | 13.45   | 13.48   | 14.80   |
|                                                                                                |            | 15      | 0         | 13.52                | 13.47   | 13.68   | 14.80   |
|                                                                                                | 16QAM      | 1       | 0         | 13.78                | 13.84   | 13.46   | 14.80   |
|                                                                                                |            | 1       | 7         | 13.86                | 13.73   | 13.84   | 14.80   |
|                                                                                                |            | 1       | 14        | 13.60                | 13.81   | 13.33   | 14.80   |
|                                                                                                |            | 8       | 0         | 13.22                | 13.49   | 13.41   | 14.80   |
|                                                                                                |            | 8       | 4         | 13.29                | 13.44   | 13.42   | 14.80   |
|                                                                                                |            | 8       | 7         | 13.27                | 13.36   | 13.24   | 14.80   |
|                                                                                                |            | 15      | 0         | 13.21                | 13.28   | 13.34   | 14.80   |
|                                                                                                | 64QAM      | 1       | 0         | 13.09                | 13.40   | 13.85   | 14.80   |
|                                                                                                |            | 1       | 7         | 13.83                | 13.79   | 13.77   | 14.80   |
|                                                                                                |            | 1       | 14        | 13.83                | 13.48   | 13.14   | 14.80   |
|                                                                                                |            | 8       | 0         | 13.33                | 13.26   | 13.61   | 14.80   |
|                                                                                                |            | 8       | 4         | 13.26                | 13.37   | 13.24   | 14.80   |
|                                                                                                |            | 8       | 7         | 13.07                | 13.21   | 13.01   | 14.80   |
|                                                                                                |            | 15      | 0         | 13.16                | 13.37   | 13.28   | 14.80   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 13.51   | 13.58   | 13.87   | 14.80   |
|           |            | 1       | 13        | 13.45   | 13.54   | 13.85   | 14.80   |
|           |            | 1       | 24        | 13.20   | 13.30   | 12.83   | 14.80   |
|           |            | 12      | 0         | 13.47   | 13.39   | 13.81   | 14.80   |
|           |            | 12      | 6         | 13.45   | 13.34   | 13.86   | 14.80   |
|           |            | 12      | 13        | 13.23   | 13.25   | 13.46   | 14.80   |
|           |            | 25      | 0         | 13.29   | 13.30   | 13.60   | 14.80   |
|           | 16QAM      | 1       | 0         | 13.81   | 13.57   | 13.86   | 14.80   |
|           |            | 1       | 13        | 13.73   | 13.37   | 13.83   | 14.80   |
|           |            | 1       | 24        | 13.86   | 13.84   | 12.90   | 14.80   |
|           |            | 12      | 0         | 13.15   | 13.27   | 13.62   | 14.80   |
|           |            | 12      | 6         | 13.06   | 13.19   | 13.51   | 14.80   |
|           |            | 12      | 13        | 12.89   | 13.17   | 13.14   | 14.80   |
|           |            | 25      | 0         | 12.95   | 13.20   | 13.26   | 14.80   |
|           | 64QAM      | 1       | 0         | 13.71   | 13.54   | 13.86   | 14.80   |
|           |            | 1       | 13        | 13.63   | 13.41   | 13.83   | 14.80   |
|           |            | 1       | 24        | 13.03   | 13.01   | 12.82   | 14.80   |
|           |            | 12      | 0         | 13.09   | 13.34   | 13.71   | 14.80   |
|           |            | 12      | 6         | 13.16   | 13.17   | 13.41   | 14.80   |
|           |            | 12      | 13        | 12.89   | 13.06   | 13.09   | 14.80   |
|           |            | 25      | 0         | 12.99   | 13.08   | 13.39   | 14.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 13.68   | 13.84   | 13.87   | 14.80   |
|           |            | 1       | 25        | 13.42   | 13.49   | 13.85   | 14.80   |
|           |            | 1       | 49        | 13.01   | 13.41   | 13.23   | 14.80   |
|           |            | 25      | 0         | 13.49   | 13.50   | 13.84   | 14.80   |
|           |            | 25      | 13        | 13.43   | 13.31   | 13.81   | 14.80   |
|           |            | 25      | 25        | 12.83   | 13.21   | 13.50   | 14.80   |
|           |            | 50      | 0         | 13.30   | 13.31   | 13.83   | 14.80   |
|           | 16QAM      | 1       | 0         | 13.82   | 13.85   | 13.23   | 14.80   |
|           |            | 1       | 25        | 13.65   | 13.82   | 13.43   | 14.80   |
|           |            | 1       | 49        | 12.95   | 13.64   | 13.20   | 14.80   |
|           |            | 25      | 0         | 13.16   | 13.26   | 13.60   | 14.80   |
|           |            | 25      | 13        | 13.11   | 13.10   | 13.48   | 14.80   |
|           |            | 25      | 25        | 13.09   | 13.07   | 13.19   | 14.80   |
|           |            | 50      | 0         | 13.00   | 13.08   | 13.48   | 14.80   |
|           | 64QAM      | 1       | 0         | 13.61   | 13.22   | 13.87   | 14.80   |
|           |            | 1       | 25        | 13.59   | 13.24   | 13.58   | 14.80   |
|           |            | 1       | 49        | 13.19   | 13.29   | 12.99   | 14.80   |
|           |            | 25      | 0         | 13.18   | 13.24   | 13.64   | 14.80   |
|           |            | 25      | 13        | 13.19   | 13.16   | 13.43   | 14.80   |
|           |            | 25      | 25        | 13.11   | 13.07   | 13.26   | 14.80   |
|           |            | 50      | 0         | 13.03   | 13.13   | 13.45   | 14.80   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 13.61   | 13.58   | 13.68   | 14.80   |
|           |            | 1       | 38        | 13.11   | 13.55   | 13.87   | 14.80   |
|           |            | 1       | 74        | 13.24   | 13.28   | 13.21   | 14.80   |
|           |            | 36      | 0         | 13.57   | 13.45   | 13.85   | 14.80   |
|           |            | 36      | 18        | 12.98   | 13.31   | 13.79   | 14.80   |
|           |            | 36      | 39        | 12.99   | 13.41   | 13.54   | 14.80   |
|           |            | 75      | 0         | 13.03   | 13.24   | 13.77   | 14.80   |
|           | 16QAM      | 1       | 0         | 13.76   | 13.58   | 13.75   | 14.80   |
|           |            | 1       | 38        | 13.55   | 13.68   | 13.62   | 14.80   |
|           |            | 1       | 74        | 12.95   | 13.10   | 13.36   | 14.80   |
|           |            | 36      | 0         | 13.37   | 13.27   | 13.69   | 14.80   |
|           |            | 36      | 18        | 12.92   | 13.11   | 13.51   | 14.80   |
|           |            | 36      | 39        | 13.12   | 13.16   | 13.26   | 14.80   |
|           |            | 75      | 0         | 12.82   | 12.98   | 13.47   | 14.80   |
|           | 64QAM      | 1       | 0         | 13.87   | 13.51   | 13.55   | 14.80   |
|           |            | 1       | 38        | 13.27   | 12.99   | 13.86   | 14.80   |
|           |            | 1       | 74        | 13.08   | 13.10   | 13.09   | 14.80   |
|           |            | 36      | 0         | 13.29   | 13.32   | 13.26   | 14.80   |
|           |            | 36      | 18        | 12.95   | 13.14   | 13.53   | 14.80   |
|           |            | 36      | 39        | 13.04   | 13.13   | 13.36   | 14.80   |
|           |            | 75      | 0         | 12.83   | 13.09   | 13.46   | 14.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 13.86   | 13.74   | 13.67   | 14.80   |
|           |            | 1       | 50        | 13.29   | 13.47   | 13.82   | 14.80   |
|           |            | 1       | 99        | 13.32   | 13.33   | 13.31   | 14.80   |
|           |            | 50      | 0         | 13.56   | 13.36   | 13.57   | 14.80   |
|           |            | 50      | 25        | 13.11   | 13.21   | 13.69   | 14.80   |
|           |            | 50      | 50        | 12.95   | 13.34   | 13.71   | 14.80   |
|           |            | 100     | 0         | 13.15   | 13.24   | 13.78   | 14.80   |
|           | 16QAM      | 1       | 0         | 13.83   | 13.67   | 13.59   | 14.80   |
|           |            | 1       | 50        | 13.29   | 13.31   | 13.89   | 14.80   |
|           |            | 1       | 99        | 13.12   | 13.53   | 13.71   | 14.80   |
|           |            | 50      | 0         | 13.25   | 13.34   | 13.20   | 14.80   |
|           |            | 50      | 25        | 12.80   | 13.14   | 13.37   | 14.80   |
|           |            | 50      | 50        | 12.83   | 12.94   | 13.42   | 14.80   |
|           |            | 100     | 0         | 12.87   | 13.20   | 13.48   | 14.80   |
|           | 64QAM      | 1       | 0         | 13.55   | 13.50   | 13.75   | 14.80   |
|           |            | 1       | 50        | 13.19   | 13.45   | 13.88   | 14.80   |
|           |            | 1       | 99        | 13.07   | 13.20   | 13.06   | 14.80   |
|           |            | 50      | 0         | 12.87   | 13.27   | 13.20   | 14.80   |
|           |            | 50      | 25        | 12.80   | 13.09   | 13.06   | 14.80   |
|           |            | 50      | 50        | 12.86   | 13.12   | 13.48   | 14.80   |
|           |            | 100     | 0         | 12.80   | 13.16   | 13.18   | 14.80   |



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| LTE Band 5 Full Power<br>Receiver off<br>Receiver off+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                          |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                                   | QPSK       | 1       | 0         | 24.15                | 24.22   | 24.14   | 25.00   |
|                                                          |            | 1       | 2         | 24.00                | 24.11   | 24.11   | 25.00   |
|                                                          |            | 1       | 5         | 24.21                | 24.00   | 24.30   | 25.00   |
|                                                          |            | 3       | 0         | 24.08                | 24.10   | 24.10   | 25.00   |
|                                                          |            | 3       | 2         | 24.22                | 24.13   | 24.20   | 25.00   |
|                                                          |            | 3       | 3         | 24.20                | 24.28   | 24.17   | 25.00   |
|                                                          |            | 6       | 0         | 23.09                | 23.30   | 23.26   | 24.00   |
|                                                          | 16QAM      | 1       | 0         | 23.29                | 23.71   | 23.56   | 24.30   |
|                                                          |            | 1       | 2         | 23.33                | 23.26   | 23.20   | 24.30   |
|                                                          |            | 1       | 5         | 23.35                | 23.72   | 23.65   | 24.30   |
|                                                          |            | 3       | 0         | 23.02                | 22.89   | 23.22   | 24.30   |
|                                                          |            | 3       | 2         | 22.97                | 23.05   | 23.10   | 24.30   |
|                                                          |            | 3       | 3         | 23.24                | 23.18   | 23.31   | 24.30   |
|                                                          |            | 6       | 0         | 22.41                | 22.15   | 22.16   | 23.30   |
|                                                          | 64QAM      | 1       | 0         | 22.33                | 22.19   | 22.17   | 23.30   |
|                                                          |            | 1       | 2         | 22.21                | 22.03   | 22.05   | 23.30   |
|                                                          |            | 1       | 5         | 22.33                | 22.33   | 22.18   | 23.30   |
|                                                          |            | 3       | 0         | 21.94                | 22.03   | 22.18   | 23.30   |
|                                                          |            | 3       | 2         | 21.99                | 22.19   | 21.94   | 23.30   |
|                                                          |            | 3       | 3         | 22.05                | 22.42   | 22.03   | 23.30   |
|                                                          |            | 6       | 0         | 20.90                | 21.19   | 21.04   | 22.30   |
| Bandwidth                                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                          |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                                     | QPSK       | 1       | 0         | 24.18                | 24.28   | 24.21   | 25.00   |
|                                                          |            | 1       | 7         | 24.22                | 24.31   | 24.23   | 25.00   |
|                                                          |            | 1       | 14        | 24.20                | 24.30   | 24.31   | 25.00   |
|                                                          |            | 8       | 0         | 23.25                | 23.23   | 23.30   | 24.00   |
|                                                          |            | 8       | 4         | 23.50                | 23.42   | 23.40   | 24.00   |
|                                                          |            | 8       | 7         | 23.38                | 23.54   | 23.32   | 24.00   |
|                                                          |            | 15      | 0         | 23.40                | 23.40   | 23.39   | 24.00   |
|                                                          | 16QAM      | 1       | 0         | 23.76                | 23.83   | 23.34   | 24.30   |
|                                                          |            | 1       | 7         | 23.43                | 23.60   | 23.70   | 24.30   |
|                                                          |            | 1       | 14        | 23.30                | 24.06   | 23.87   | 24.30   |
|                                                          |            | 8       | 0         | 22.20                | 22.38   | 22.37   | 23.30   |
|                                                          |            | 8       | 4         | 22.47                | 22.43   | 22.53   | 23.30   |
|                                                          |            | 8       | 7         | 22.23                | 22.44   | 22.45   | 23.30   |
|                                                          |            | 15      | 0         | 22.24                | 22.37   | 22.26   | 23.30   |
|                                                          | 64QAM      | 1       | 0         | 22.42                | 22.02   | 22.35   | 23.30   |
|                                                          |            | 1       | 7         | 22.57                | 22.48   | 22.27   | 23.30   |
|                                                          |            | 1       | 14        | 22.44                | 22.62   | 22.36   | 23.30   |
|                                                          |            | 8       | 0         | 21.29                | 21.27   | 21.24   | 22.30   |
|                                                          |            | 8       | 4         | 21.18                | 21.09   | 21.24   | 22.30   |
|                                                          |            | 8       | 7         | 21.22                | 21.03   | 21.39   | 22.30   |
|                                                          |            | 15      | 0         | 21.33                | 21.25   | 21.27   | 22.30   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|---------|--------------|---------|---------|
|           |            |         |           | 20425   | 20525        | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 24.11   | 24.02        | 23.99   | 25.00   |
|           |            | 1       | 13        | 24.26   | 24.12        | 24.27   | 25.00   |
|           |            | 1       | 24        | 24.03   | 24.15        | 23.89   | 25.00   |
|           |            | 12      | 0         | 23.23   | 23.15        | 23.11   | 24.00   |
|           |            | 12      | 6         | 23.14   | 23.16        | 23.15   | 24.00   |
|           |            | 12      | 13        | 23.24   | 23.08        | 23.01   | 24.00   |
|           |            | 25      | 0         | 23.15   | 23.24        | 23.07   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.63   | 23.58        | 23.54   | 24.30   |
|           |            | 1       | 13        | 23.21   | 23.14        | 23.44   | 24.30   |
|           |            | 1       | 24        | 23.25   | 23.15        | 23.30   | 24.30   |
|           |            | 12      | 0         | 22.09   | 22.22        | 22.27   | 23.30   |
|           |            | 12      | 6         | 22.07   | 22.19        | 22.18   | 23.30   |
|           |            | 12      | 13        | 22.06   | 22.11        | 22.01   | 23.30   |
|           |            | 25      | 0         | 22.07   | 22.21        | 22.14   | 23.30   |
|           | 64QAM      | 1       | 0         | 21.99   | 21.75        | 22.02   | 23.30   |
|           |            | 1       | 13        | 22.29   | 22.44        | 21.89   | 23.30   |
|           |            | 1       | 24        | 22.24   | 22.18        | 22.23   | 23.30   |
|           |            | 12      | 0         | 21.15   | 21.06        | 21.04   | 22.30   |
|           |            | 12      | 6         | 21.11   | 21.21        | 21.19   | 22.30   |
|           |            | 12      | 13        | 21.18   | 21.00        | 21.21   | 22.30   |
|           |            | 25      | 0         | 21.10   | 20.97        | 21.06   | 22.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel      | Channel | Tune up |
|           |            |         |           | 20450   | 20525        | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 24.09   | <b>24.32</b> | 24.02   | 25.00   |
|           |            | 1       | 25        | 23.97   | 23.88        | 24.10   | 25.00   |
|           |            | 1       | 49        | 24.32   | 24.18        | 23.76   | 25.00   |
|           |            | 25      | 0         | 23.15   | <b>23.20</b> | 23.11   | 24.00   |
|           |            | 25      | 13        | 23.12   | 23.11        | 23.08   | 24.00   |
|           |            | 25      | 25        | 23.00   | 23.20        | 23.14   | 24.00   |
|           |            | 50      | 0         | 23.14   | 23.15        | 23.15   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.44   | 23.42        | 23.28   | 24.30   |
|           |            | 1       | 25        | 23.41   | 23.09        | 23.32   | 24.30   |
|           |            | 1       | 49        | 23.71   | 23.60        | 23.12   | 24.30   |
|           |            | 25      | 0         | 22.07   | 22.07        | 22.03   | 23.30   |
|           |            | 25      | 13        | 21.99   | 22.08        | 22.01   | 23.30   |
|           |            | 25      | 25        | 22.04   | 22.22        | 22.10   | 23.30   |
|           |            | 50      | 0         | 22.06   | 22.10        | 22.05   | 23.30   |
|           | 64QAM      | 1       | 0         | 22.33   | 22.43        | 22.39   | 23.30   |
|           |            | 1       | 25        | 22.15   | 21.93        | 22.26   | 23.30   |
|           |            | 1       | 49        | 22.27   | 22.41        | 21.89   | 23.30   |
|           |            | 25      | 0         | 21.19   | 20.98        | 21.06   | 22.30   |
|           |            | 25      | 13        | 20.96   | 21.02        | 20.97   | 22.30   |
|           |            | 25      | 25        | 21.14   | 21.07        | 21.09   | 22.30   |
|           |            | 50      | 0         | 21.07   | 20.98        | 21.05   | 22.30   |

| LTE Band 5 Receiver on<br>Receiver on+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                          |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                   | QPSK       | 1       | 0         | 21.28                | 21.41   | 21.32   | 22.50   |
|                                          |            | 1       | 2         | 21.35                | 21.33   | 21.29   | 22.50   |
|                                          |            | 1       | 5         | 21.52                | 21.35   | 21.58   | 22.50   |
|                                          |            | 3       | 0         | 21.44                | 21.40   | 21.36   | 22.50   |
|                                          |            | 3       | 2         | 21.56                | 21.28   | 21.36   | 22.50   |
|                                          |            | 3       | 3         | 21.41                | 21.55   | 21.34   | 22.50   |
|                                          |            | 6       | 0         | 21.36                | 21.51   | 21.34   | 22.50   |
|                                          | 16QAM      | 1       | 0         | 21.74                | 21.75   | 21.66   | 22.50   |
|                                          |            | 1       | 2         | 21.70                | 21.73   | 21.59   | 22.50   |
|                                          |            | 1       | 5         | 21.69                | 21.35   | 21.46   | 22.50   |
|                                          |            | 3       | 0         | 21.41                | 21.26   | 21.27   | 22.50   |
|                                          |            | 3       | 2         | 21.60                | 21.35   | 21.39   | 22.50   |
|                                          |            | 3       | 3         | 21.28                | 21.30   | 21.44   | 22.50   |
|                                          |            | 6       | 0         | 21.55                | 21.20   | 21.40   | 22.50   |
|                                          | 64QAM      | 1       | 0         | 21.66                | 21.50   | 21.66   | 22.50   |
|                                          |            | 1       | 2         | 21.49                | 21.21   | 21.29   | 22.50   |
|                                          |            | 1       | 5         | 21.65                | 21.71   | 21.50   | 22.50   |
|                                          |            | 3       | 0         | 21.53                | 21.43   | 21.21   | 22.50   |
|                                          |            | 3       | 2         | 21.64                | 21.50   | 21.38   | 22.50   |
|                                          |            | 3       | 3         | 21.53                | 21.66   | 21.46   | 22.50   |
|                                          |            | 6       | 0         | 20.55                | 21.19   | 21.29   | 22.00   |
| Bandwidth                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                          |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                     | QPSK       | 1       | 0         | 21.33                | 21.30   | 21.36   | 22.50   |
|                                          |            | 1       | 7         | 21.37                | 21.28   | 21.25   | 22.50   |
|                                          |            | 1       | 14        | 21.40                | 21.31   | 21.39   | 22.50   |
|                                          |            | 8       | 0         | 21.41                | 21.44   | 21.43   | 22.50   |
|                                          |            | 8       | 4         | 21.54                | 21.54   | 21.34   | 22.50   |
|                                          |            | 8       | 7         | 21.46                | 21.51   | 21.36   | 22.50   |
|                                          |            | 15      | 0         | 21.48                | 21.49   | 21.41   | 22.50   |
|                                          | 16QAM      | 1       | 0         | 21.71                | 21.72   | 21.48   | 22.50   |
|                                          |            | 1       | 7         | 21.75                | 21.34   | 21.71   | 22.50   |
|                                          |            | 1       | 14        | 21.63                | 21.72   | 21.73   | 22.50   |
|                                          |            | 8       | 0         | 21.61                | 21.41   | 21.37   | 22.50   |
|                                          |            | 8       | 4         | 21.32                | 21.29   | 21.23   | 22.50   |
|                                          |            | 8       | 7         | 21.50                | 21.26   | 21.20   | 22.50   |
|                                          |            | 15      | 0         | 21.32                | 21.20   | 21.41   | 22.50   |
|                                          | 64QAM      | 1       | 0         | 21.30                | 21.29   | 21.13   | 22.50   |
|                                          |            | 1       | 7         | 21.23                | 21.34   | 21.36   | 22.50   |
|                                          |            | 1       | 14        | 21.67                | 21.20   | 21.51   | 22.50   |
|                                          |            | 8       | 0         | 21.43                | 21.24   | 21.19   | 22.00   |
|                                          |            | 8       | 4         | 20.44                | 20.46   | 20.45   | 22.00   |
|                                          |            | 8       | 7         | 20.32                | 20.32   | 20.25   | 22.00   |
|                                          |            | 15      | 0         | 20.48                | 20.28   | 20.23   | 22.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|--------------|---------|
|           |            |         |           | 20425        | 20525        | 20625        |         |
| 5MHz      | QPSK       | 1       | 0         | 21.25        | 21.45        | 21.29        | 22.50   |
|           |            | 1       | 13        | 21.57        | 21.37        | 21.30        | 22.50   |
|           |            | 1       | 24        | 21.54        | 21.40        | 21.26        | 22.50   |
|           |            | 12      | 0         | 21.43        | 21.52        | 21.41        | 22.50   |
|           |            | 12      | 6         | 21.41        | 21.44        | 21.41        | 22.50   |
|           |            | 12      | 13        | 21.42        | 21.58        | 21.35        | 22.50   |
|           |            | 25      | 0         | 21.39        | 21.49        | 21.43        | 22.50   |
|           | 16QAM      | 1       | 0         | 21.35        | 21.74        | 21.75        | 22.50   |
|           |            | 1       | 13        | 21.18        | 21.66        | 21.75        | 22.50   |
|           |            | 1       | 24        | 21.51        | 21.40        | 21.73        | 22.50   |
|           |            | 12      | 0         | 21.51        | 21.42        | 21.32        | 22.50   |
|           |            | 12      | 6         | 21.45        | 21.37        | 21.34        | 22.50   |
|           |            | 12      | 13        | 21.47        | 21.37        | 21.23        | 22.50   |
|           |            | 25      | 0         | 21.45        | 21.25        | 21.22        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.11        | 21.52        | 21.51        | 22.50   |
|           |            | 1       | 13        | 21.74        | 21.54        | 21.73        | 22.50   |
|           |            | 1       | 24        | 21.54        | 21.72        | 21.70        | 22.50   |
|           |            | 12      | 0         | 20.31        | 20.24        | 20.25        | 22.00   |
|           |            | 12      | 6         | 20.54        | 20.35        | 20.37        | 22.00   |
|           |            | 12      | 13        | 20.50        | 20.61        | 20.22        | 22.00   |
|           |            | 25      | 0         | 21.40        | 21.20        | 21.27        | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel      | Tune up |
|           |            |         |           | 20450        | 20525        | 20600        |         |
| 10MHz     | QPSK       | 1       | 0         | <b>21.45</b> | <b>21.46</b> | <b>21.60</b> | 22.50   |
|           |            | 1       | 25        | 21.36        | 21.31        | 21.23        | 22.50   |
|           |            | 1       | 49        | 21.28        | 21.29        | 21.31        | 22.50   |
|           |            | 25      | 0         | 21.44        | 21.45        | 21.36        | 22.50   |
|           |            | 25      | 13        | <b>21.49</b> | <b>21.47</b> | 21.43        | 22.50   |
|           |            | 25      | 25        | 21.32        | 21.43        | <b>21.44</b> | 22.50   |
|           |            | 50      | 0         | <b>21.40</b> | 21.37        | 21.39        | 22.50   |
|           | 16QAM      | 1       | 0         | 21.26        | 21.66        | 21.58        | 22.50   |
|           |            | 1       | 25        | 21.57        | 21.68        | 20.86        | 22.50   |
|           |            | 1       | 49        | 21.42        | 22.06        | 21.48        | 22.50   |
|           |            | 25      | 0         | 21.42        | 21.31        | 21.39        | 22.50   |
|           |            | 25      | 13        | 21.42        | 21.23        | 21.20        | 22.50   |
|           |            | 25      | 25        | 21.35        | 21.44        | 21.37        | 22.50   |
|           |            | 50      | 0         | 21.42        | 21.31        | 21.23        | 22.50   |
|           | 64QAM      | 1       | 0         | 21.76        | 21.23        | 21.70        | 22.50   |
|           |            | 1       | 25        | 21.20        | 21.32        | 21.14        | 22.50   |
|           |            | 1       | 49        | 21.31        | 21.35        | 21.26        | 22.50   |
|           |            | 25      | 0         | 20.49        | 20.38        | 20.42        | 22.00   |
|           |            | 25      | 13        | 20.37        | 20.36        | 20.22        | 22.00   |
|           |            | 25      | 25        | 20.47        | 20.21        | 20.43        | 22.00   |
|           |            | 50      | 0         | 20.38        | 20.25        | 20.23        | 22.00   |

| LTE Band 5 WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                     |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                              | QPSK       | 1       | 0         | 22.49                | 22.43   | 22.40   | 23.50   |
|                                                     |            | 1       | 2         | 22.28                | 22.24   | 22.22   | 23.50   |
|                                                     |            | 1       | 5         | 22.69                | 22.51   | 22.43   | 23.50   |
|                                                     |            | 3       | 0         | 22.38                | 22.56   | 22.51   | 23.50   |
|                                                     |            | 3       | 2         | 22.49                | 22.53   | 22.47   | 23.50   |
|                                                     |            | 3       | 3         | 22.48                | 22.51   | 22.24   | 23.50   |
|                                                     |            | 6       | 0         | 22.45                | 22.42   | 22.41   | 23.50   |
|                                                     | 16QAM      | 1       | 0         | 22.80                | 22.86   | 22.53   | 23.50   |
|                                                     |            | 1       | 2         | 22.37                | 22.87   | 22.39   | 23.50   |
|                                                     |            | 1       | 5         | 22.81                | 22.80   | 22.73   | 23.50   |
|                                                     |            | 3       | 0         | 22.22                | 22.26   | 22.34   | 23.50   |
|                                                     |            | 3       | 2         | 22.75                | 22.55   | 22.43   | 23.50   |
|                                                     |            | 3       | 3         | 22.23                | 22.28   | 22.29   | 23.50   |
|                                                     |            | 6       | 0         | 21.77                | 21.98   | 21.93   | 23.00   |
|                                                     | 64QAM      | 1       | 0         | 22.52                | 22.59   | 22.54   | 23.30   |
|                                                     |            | 1       | 2         | 22.43                | 22.16   | 22.60   | 23.30   |
|                                                     |            | 1       | 5         | 22.69                | 22.54   | 22.76   | 23.30   |
|                                                     |            | 3       | 0         | 22.25                | 22.20   | 22.26   | 23.30   |
|                                                     |            | 3       | 2         | 22.37                | 22.48   | 22.34   | 23.30   |
|                                                     |            | 3       | 3         | 22.24                | 22.40   | 22.55   | 23.30   |
|                                                     |            | 6       | 0         | 21.90                | 22.04   | 21.88   | 22.30   |
| Bandwidth                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                     |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                                | QPSK       | 1       | 0         | 22.51                | 22.39   | 22.32   | 23.50   |
|                                                     |            | 1       | 7         | 22.33                | 22.22   | 22.20   | 23.50   |
|                                                     |            | 1       | 14        | 22.36                | 22.47   | 22.31   | 23.50   |
|                                                     |            | 8       | 0         | 22.38                | 22.32   | 22.36   | 23.50   |
|                                                     |            | 8       | 4         | 22.35                | 22.42   | 22.37   | 23.50   |
|                                                     |            | 8       | 7         | 22.39                | 22.41   | 22.41   | 23.50   |
|                                                     |            | 15      | 0         | 22.35                | 22.37   | 22.40   | 23.50   |
|                                                     | 16QAM      | 1       | 0         | 22.43                | 22.72   | 22.53   | 23.50   |
|                                                     |            | 1       | 7         | 22.83                | 22.57   | 21.91   | 23.50   |
|                                                     |            | 1       | 14        | 22.70                | 22.69   | 22.83   | 23.50   |
|                                                     |            | 8       | 0         | 21.81                | 21.86   | 21.78   | 23.00   |
|                                                     |            | 8       | 4         | 21.86                | 22.16   | 21.75   | 23.00   |
|                                                     |            | 8       | 7         | 21.83                | 22.02   | 21.83   | 23.00   |
|                                                     |            | 15      | 0         | 22.02                | 21.88   | 21.74   | 23.00   |
|                                                     | 64QAM      | 1       | 0         | 22.50                | 22.43   | 22.57   | 23.30   |
|                                                     |            | 1       | 7         | 22.14                | 22.11   | 22.47   | 23.30   |
|                                                     |            | 1       | 14        | 22.81                | 22.37   | 22.41   | 23.30   |
|                                                     |            | 8       | 0         | 21.88                | 21.90   | 21.81   | 22.30   |
|                                                     |            | 8       | 4         | 21.77                | 21.82   | 21.58   | 22.30   |
|                                                     |            | 8       | 7         | 21.76                | 21.84   | 21.98   | 22.30   |
|                                                     |            | 15      | 0         | 21.86                | 21.96   | 21.91   | 22.30   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.40   | 22.38   | 22.35   | 23.50   |
|           |            | 1       | 13        | 22.55   | 22.50   | 22.56   | 23.50   |
|           |            | 1       | 24        | 22.41   | 22.53   | 22.37   | 23.50   |
|           |            | 12      | 0         | 22.40   | 22.49   | 22.30   | 23.50   |
|           |            | 12      | 6         | 22.47   | 22.39   | 22.33   | 23.50   |
|           |            | 12      | 13        | 22.44   | 22.30   | 22.36   | 23.50   |
|           |            | 25      | 0         | 22.39   | 22.41   | 22.35   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.66   | 22.64   | 22.64   | 23.50   |
|           |            | 1       | 13        | 22.81   | 22.31   | 22.76   | 23.50   |
|           |            | 1       | 24        | 22.77   | 22.73   | 22.33   | 23.50   |
|           |            | 12      | 0         | 21.87   | 21.92   | 21.73   | 23.00   |
|           |            | 12      | 6         | 21.84   | 21.80   | 21.80   | 23.00   |
|           |            | 12      | 13        | 21.96   | 21.87   | 21.82   | 23.00   |
|           |            | 25      | 0         | 21.73   | 21.77   | 21.70   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.01   | 22.15   | 22.17   | 23.30   |
|           |            | 1       | 13        | 22.04   | 22.22   | 22.10   | 23.30   |
|           |            | 1       | 24        | 22.06   | 22.10   | 22.05   | 23.30   |
|           |            | 12      | 0         | 21.73   | 21.54   | 21.49   | 22.30   |
|           |            | 12      | 6         | 21.74   | 21.76   | 21.75   | 22.30   |
|           |            | 12      | 13        | 21.39   | 21.70   | 21.82   | 22.30   |
|           |            | 25      | 0         | 21.34   | 21.59   | 21.64   | 22.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.47   | 22.40   | 22.46   | 23.50   |
|           |            | 1       | 25        | 22.20   | 22.37   | 22.39   | 23.50   |
|           |            | 1       | 49        | 22.33   | 22.39   | 22.36   | 23.50   |
|           |            | 25      | 0         | 22.56   | 22.32   | 22.35   | 23.50   |
|           |            | 25      | 13        | 22.41   | 22.33   | 22.29   | 23.50   |
|           |            | 25      | 25        | 22.31   | 22.33   | 22.48   | 23.50   |
|           |            | 50      | 0         | 22.35   | 22.36   | 22.30   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.66   | 22.74   | 22.63   | 23.50   |
|           |            | 1       | 25        | 22.77   | 22.47   | 22.49   | 23.50   |
|           |            | 1       | 49        | 22.88   | 22.57   | 22.53   | 23.50   |
|           |            | 25      | 0         | 21.77   | 21.98   | 21.90   | 23.00   |
|           |            | 25      | 13        | 21.82   | 21.90   | 21.80   | 23.00   |
|           |            | 25      | 25        | 21.86   | 21.92   | 21.76   | 23.00   |
|           |            | 50      | 0         | 21.87   | 21.84   | 21.91   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.52   | 22.22   | 22.72   | 23.30   |
|           |            | 1       | 25        | 22.25   | 22.22   | 22.54   | 23.30   |
|           |            | 1       | 49        | 22.37   | 22.50   | 22.82   | 23.30   |
|           |            | 25      | 0         | 21.72   | 21.81   | 21.78   | 22.30   |
|           |            | 25      | 13        | 21.79   | 21.77   | 21.71   | 22.30   |
|           |            | 25      | 25        | 21.68   | 21.71   | 21.75   | 22.30   |
|           |            | 50      | 0         | 21.74   | 21.79   | 21.74   | 22.30   |

| LTE Band 5 WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                   |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                            | QPSK       | 1       | 0         | 19.77                | 19.86   | 19.85   | 21.00   |
|                                                   |            | 1       | 2         | 19.68                | 19.80   | 19.76   | 21.00   |
|                                                   |            | 1       | 5         | 19.84                | 19.66   | 20.10   | 21.00   |
|                                                   |            | 3       | 0         | 19.72                | 19.76   | 19.81   | 21.00   |
|                                                   |            | 3       | 2         | 19.72                | 19.70   | 19.83   | 21.00   |
|                                                   |            | 3       | 3         | 19.88                | 19.71   | 19.95   | 21.00   |
|                                                   |            | 6       | 0         | 19.86                | 19.90   | 19.97   | 21.00   |
|                                                   | 16QAM      | 1       | 0         | 19.66                | 20.36   | 20.28   | 21.00   |
|                                                   |            | 1       | 2         | 20.03                | 19.96   | 20.02   | 21.00   |
|                                                   |            | 1       | 5         | 20.07                | 20.35   | 19.96   | 21.00   |
|                                                   |            | 3       | 0         | 20.04                | 19.80   | 19.86   | 21.00   |
|                                                   |            | 3       | 2         | 19.96                | 19.73   | 19.80   | 21.00   |
|                                                   |            | 3       | 3         | 19.90                | 19.94   | 19.95   | 21.00   |
|                                                   |            | 6       | 0         | 19.78                | 20.09   | 19.77   | 21.00   |
|                                                   | 64QAM      | 1       | 0         | 19.80                | 20.05   | 20.19   | 21.00   |
|                                                   |            | 1       | 2         | 20.11                | 19.91   | 19.77   | 21.00   |
|                                                   |            | 1       | 5         | 19.90                | 20.07   | 20.10   | 21.00   |
|                                                   |            | 3       | 0         | 19.73                | 19.94   | 19.90   | 21.00   |
|                                                   |            | 3       | 2         | 19.84                | 19.93   | 19.83   | 21.00   |
|                                                   |            | 3       | 3         | 19.78                | 19.86   | 19.84   | 21.00   |
|                                                   |            | 6       | 0         | 19.96                | 19.73   | 19.95   | 21.00   |
| Bandwidth                                         | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                   |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                              | QPSK       | 1       | 0         | 19.82                | 19.79   | 19.64   | 21.00   |
|                                                   |            | 1       | 7         | 19.75                | 19.79   | 19.78   | 21.00   |
|                                                   |            | 1       | 14        | 19.90                | 19.89   | 19.93   | 21.00   |
|                                                   |            | 8       | 0         | 19.96                | 19.82   | 19.86   | 21.00   |
|                                                   |            | 8       | 4         | 19.98                | 19.80   | 19.70   | 21.00   |
|                                                   |            | 8       | 7         | 19.74                | 19.77   | 19.75   | 21.00   |
|                                                   |            | 15      | 0         | 19.97                | 19.93   | 19.86   | 21.00   |
|                                                   | 16QAM      | 1       | 0         | 19.62                | 20.09   | 20.30   | 21.00   |
|                                                   |            | 1       | 7         | 20.24                | 19.99   | 20.06   | 21.00   |
|                                                   |            | 1       | 14        | 20.35                | 20.10   | 20.03   | 21.00   |
|                                                   |            | 8       | 0         | 19.98                | 19.84   | 19.78   | 21.00   |
|                                                   |            | 8       | 4         | 19.74                | 20.05   | 20.01   | 21.00   |
|                                                   |            | 8       | 7         | 19.91                | 19.88   | 19.78   | 21.00   |
|                                                   |            | 15      | 0         | 19.87                | 19.88   | 19.79   | 21.00   |
|                                                   | 64QAM      | 1       | 0         | 20.19                | 19.98   | 20.11   | 21.00   |
|                                                   |            | 1       | 7         | 19.99                | 19.67   | 19.77   | 21.00   |
|                                                   |            | 1       | 14        | 19.69                | 19.97   | 19.97   | 21.00   |
|                                                   |            | 8       | 0         | 19.96                | 19.95   | 19.82   | 21.00   |
|                                                   |            | 8       | 4         | 19.77                | 19.78   | 19.67   | 21.00   |
|                                                   |            | 8       | 7         | 19.91                | 19.69   | 19.82   | 21.00   |
|                                                   |            | 15      | 0         | 19.78                | 19.87   | 19.77   | 21.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.86   | 19.77   | 19.67   | 21.00   |
|           |            | 1       | 13        | 19.90   | 19.77   | 19.72   | 21.00   |
|           |            | 1       | 24        | 19.90   | 19.75   | 19.80   | 21.00   |
|           |            | 12      | 0         | 19.86   | 19.92   | 19.84   | 21.00   |
|           |            | 12      | 6         | 19.84   | 19.81   | 19.84   | 21.00   |
|           |            | 12      | 13        | 19.86   | 19.82   | 19.67   | 21.00   |
|           |            | 25      | 0         | 19.79   | 19.83   | 19.79   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.92   | 20.34   | 20.03   | 21.00   |
|           |            | 1       | 13        | 20.33   | 20.31   | 19.79   | 21.00   |
|           |            | 1       | 24        | 19.87   | 20.33   | 20.01   | 21.00   |
|           |            | 12      | 0         | 19.80   | 19.86   | 19.82   | 21.00   |
|           |            | 12      | 6         | 19.77   | 19.78   | 19.80   | 21.00   |
|           |            | 12      | 13        | 19.90   | 19.73   | 19.80   | 21.00   |
|           |            | 25      | 0         | 19.88   | 19.80   | 19.95   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.77   | 19.44   | 19.70   | 21.00   |
|           |            | 1       | 13        | 20.05   | 20.35   | 20.22   | 21.00   |
|           |            | 1       | 24        | 19.81   | 19.98   | 19.82   | 21.00   |
|           |            | 12      | 0         | 19.90   | 19.93   | 19.66   | 21.00   |
|           |            | 12      | 6         | 19.71   | 19.85   | 19.56   | 21.00   |
|           |            | 12      | 13        | 19.82   | 19.88   | 19.89   | 21.00   |
|           |            | 25      | 0         | 19.82   | 19.76   | 19.73   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.90   | 19.83   | 19.75   | 21.00   |
|           |            | 1       | 25        | 19.80   | 19.70   | 19.87   | 21.00   |
|           |            | 1       | 49        | 19.74   | 19.82   | 19.81   | 21.00   |
|           |            | 25      | 0         | 19.80   | 19.84   | 19.94   | 21.00   |
|           |            | 25      | 13        | 19.73   | 19.81   | 19.68   | 21.00   |
|           |            | 25      | 25        | 19.93   | 19.78   | 19.84   | 21.00   |
|           |            | 50      | 0         | 19.80   | 19.84   | 19.87   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.36   | 19.85   | 20.35   | 21.00   |
|           |            | 1       | 25        | 19.95   | 20.25   | 20.32   | 21.00   |
|           |            | 1       | 49        | 20.11   | 20.34   | 19.98   | 21.00   |
|           |            | 25      | 0         | 19.77   | 19.81   | 19.92   | 21.00   |
|           |            | 25      | 13        | 19.73   | 19.71   | 19.82   | 21.00   |
|           |            | 25      | 25        | 19.86   | 19.72   | 19.90   | 21.00   |
|           |            | 50      | 0         | 19.77   | 19.73   | 19.78   | 21.00   |
|           | 64QAM      | 1       | 0         | 20.11   | 19.94   | 20.10   | 21.00   |
|           |            | 1       | 25        | 19.90   | 19.71   | 19.95   | 21.00   |
|           |            | 1       | 49        | 19.76   | 20.03   | 19.81   | 21.00   |
|           |            | 25      | 0         | 19.69   | 19.82   | 19.85   | 21.00   |
|           |            | 25      | 13        | 19.69   | 19.80   | 19.74   | 21.00   |
|           |            | 25      | 25        | 19.80   | 19.88   | 19.73   | 21.00   |
|           |            | 50      | 0         | 19.59   | 19.73   | 19.72   | 21.00   |



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| LTE Band 5 WiFi 5G(Rec off)/WiFi 5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                 |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                          | QPSK       | 1       | 0         | 22.88                | 22.64   | 22.78   | 24.00   |
|                                                 |            | 1       | 2         | 22.71                | 22.68   | 22.82   | 24.00   |
|                                                 |            | 1       | 5         | 22.95                | 22.68   | 22.69   | 24.00   |
|                                                 |            | 3       | 0         | 22.75                | 22.70   | 22.89   | 24.00   |
|                                                 |            | 3       | 2         | 23.02                | 22.69   | 22.69   | 24.00   |
|                                                 |            | 3       | 3         | 23.00                | 22.65   | 22.78   | 24.00   |
|                                                 |            | 6       | 0         | 22.86                | 22.77   | 22.96   | 24.00   |
|                                                 | 16QAM      | 1       | 0         | 23.06                | 23.06   | 23.10   | 24.00   |
|                                                 |            | 1       | 2         | 23.00                | 23.14   | 22.69   | 24.00   |
|                                                 |            | 1       | 5         | 22.87                | 23.03   | 22.94   | 24.00   |
|                                                 |            | 3       | 0         | 22.81                | 23.10   | 22.82   | 24.00   |
|                                                 |            | 3       | 2         | 22.78                | 22.88   | 22.81   | 24.00   |
|                                                 |            | 3       | 3         | 22.83                | 23.06   | 23.01   | 24.00   |
|                                                 |            | 6       | 0         | 21.84                | 21.77   | 21.79   | 23.00   |
|                                                 | 64QAM      | 1       | 0         | 21.91                | 22.23   | 21.80   | 23.30   |
|                                                 |            | 1       | 2         | 22.21                | 22.24   | 22.16   | 23.30   |
|                                                 |            | 1       | 5         | 22.11                | 22.23   | 21.77   | 23.30   |
|                                                 |            | 3       | 0         | 22.23                | 21.97   | 22.04   | 23.30   |
|                                                 |            | 3       | 2         | 22.13                | 21.87   | 21.91   | 23.30   |
|                                                 |            | 3       | 3         | 22.44                | 22.15   | 21.65   | 23.30   |
|                                                 |            | 6       | 0         | 21.03                | 21.03   | 21.11   | 22.30   |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                 |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                            | QPSK       | 1       | 0         | 22.93                | 22.83   | 22.78   | 24.00   |
|                                                 |            | 1       | 7         | 22.71                | 22.66   | 22.71   | 24.00   |
|                                                 |            | 1       | 14        | 22.89                | 22.77   | 22.68   | 24.00   |
|                                                 |            | 8       | 0         | 22.77                | 22.76   | 22.78   | 24.00   |
|                                                 |            | 8       | 4         | 22.89                | 22.98   | 22.88   | 24.00   |
|                                                 |            | 8       | 7         | 22.68                | 22.95   | 22.92   | 24.00   |
|                                                 |            | 15      | 0         | 22.85                | 22.74   | 22.75   | 24.00   |
|                                                 | 16QAM      | 1       | 0         | 22.99                | 22.95   | 23.24   | 24.00   |
|                                                 |            | 1       | 7         | 22.75                | 22.73   | 23.11   | 24.00   |
|                                                 |            | 1       | 14        | 22.88                | 23.13   | 23.06   | 24.00   |
|                                                 |            | 8       | 0         | 21.94                | 21.93   | 21.72   | 23.00   |
|                                                 |            | 8       | 4         | 21.97                | 21.90   | 21.76   | 23.00   |
|                                                 |            | 8       | 7         | 21.68                | 21.74   | 21.58   | 23.00   |
|                                                 |            | 15      | 0         | 21.75                | 21.75   | 21.75   | 23.00   |
|                                                 | 64QAM      | 1       | 0         | 21.95                | 22.10   | 21.86   | 23.30   |
|                                                 |            | 1       | 7         | 21.39                | 21.82   | 21.58   | 23.30   |
|                                                 |            | 1       | 14        | 21.87                | 21.79   | 22.28   | 23.30   |
|                                                 |            | 8       | 0         | 21.05                | 20.96   | 21.14   | 22.30   |
|                                                 |            | 8       | 4         | 20.94                | 20.98   | 21.10   | 22.30   |
|                                                 |            | 8       | 7         | 20.84                | 20.98   | 20.83   | 22.30   |
|                                                 |            | 15      | 0         | 21.00                | 21.17   | 21.09   | 22.30   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|--------------|---------|---------|---------|
|           |            |         |           | 20425        | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.77        | 22.75   | 22.79   | 24.00   |
|           |            | 1       | 13        | 22.89        | 22.89   | 22.84   | 24.00   |
|           |            | 1       | 24        | 22.90        | 22.81   | 22.66   | 24.00   |
|           |            | 12      | 0         | 22.78        | 22.77   | 22.80   | 24.00   |
|           |            | 12      | 6         | 22.77        | 22.82   | 22.75   | 24.00   |
|           |            | 12      | 13        | 22.67        | 22.81   | 22.83   | 24.00   |
|           |            | 25      | 0         | 22.76        | 22.83   | 22.73   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.78        | 22.92   | 23.02   | 24.00   |
|           |            | 1       | 13        | 22.99        | 22.23   | 23.19   | 24.00   |
|           |            | 1       | 24        | 23.13        | 23.23   | 23.07   | 24.00   |
|           |            | 12      | 0         | 21.75        | 21.77   | 21.72   | 23.00   |
|           |            | 12      | 6         | 21.62        | 21.79   | 21.67   | 23.00   |
|           |            | 12      | 13        | 21.68        | 21.64   | 21.83   | 23.00   |
|           |            | 25      | 0         | 21.72        | 21.75   | 21.72   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.64        | 21.99   | 21.74   | 23.30   |
|           |            | 1       | 13        | 21.68        | 22.10   | 21.64   | 23.30   |
|           |            | 1       | 24        | 22.03        | 21.73   | 21.72   | 23.30   |
|           |            | 12      | 0         | 20.82        | 21.10   | 21.00   | 22.30   |
|           |            | 12      | 6         | 20.94        | 21.19   | 21.14   | 22.30   |
|           |            | 12      | 13        | 20.99        | 21.19   | 21.11   | 22.30   |
|           |            | 25      | 0         | 20.89        | 21.03   | 21.06   | 22.30   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel | Tune up |
|           |            |         |           | 20450        | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | <b>23.26</b> | 23.25   | 23.24   | 24.00   |
|           |            | 1       | 25        | 23.16        | 22.85   | 23.06   | 24.00   |
|           |            | 1       | 49        | 22.55        | 22.92   | 22.29   | 24.00   |
|           |            | 25      | 0         | <b>22.82</b> | 22.70   | 22.75   | 24.00   |
|           |            | 25      | 13        | 22.72        | 22.75   | 22.73   | 24.00   |
|           |            | 25      | 25        | 22.61        | 22.79   | 22.81   | 24.00   |
|           |            | 50      | 0         | 22.76        | 22.76   | 22.76   | 24.00   |
|           | 16QAM      | 1       | 0         | 23.02        | 22.81   | 22.88   | 24.00   |
|           |            | 1       | 25        | 22.84        | 22.86   | 22.61   | 24.00   |
|           |            | 1       | 49        | 22.68        | 22.77   | 22.76   | 24.00   |
|           |            | 25      | 0         | 21.75        | 21.65   | 21.65   | 23.00   |
|           |            | 25      | 13        | 21.71        | 21.79   | 21.63   | 23.00   |
|           |            | 25      | 25        | 21.76        | 21.70   | 21.77   | 23.00   |
|           |            | 50      | 0         | 21.69        | 21.67   | 21.74   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.99        | 21.77   | 21.55   | 23.30   |
|           |            | 1       | 25        | 21.87        | 21.57   | 22.29   | 23.30   |
|           |            | 1       | 49        | 21.95        | 21.75   | 21.60   | 23.30   |
|           |            | 25      | 0         | 20.99        | 20.97   | 20.92   | 22.30   |
|           |            | 25      | 13        | 20.95        | 21.04   | 20.91   | 22.30   |
|           |            | 25      | 25        | 20.91        | 21.05   | 20.95   | 22.30   |
|           |            | 50      | 0         | 20.90        | 20.90   | 20.86   | 22.30   |



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| LTE Band 5 WiFi 5G(Rec on)/WiFi 5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                               |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                        | QPSK       | 1       | 0         | 20.13                | 20.08   | 20.10   | 21.50   |
|                                               |            | 1       | 2         | 19.94                | 19.97   | 20.01   | 21.50   |
|                                               |            | 1       | 5         | 20.33                | 20.17   | 20.15   | 21.50   |
|                                               |            | 3       | 0         | 20.16                | 20.21   | 20.12   | 21.50   |
|                                               |            | 3       | 2         | 20.25                | 20.07   | 20.27   | 21.50   |
|                                               |            | 3       | 3         | 20.17                | 20.15   | 20.25   | 21.50   |
|                                               |            | 6       | 0         | 20.19                | 20.17   | 20.08   | 21.50   |
|                                               | 16QAM      | 1       | 0         | 20.41                | 20.58   | 20.40   | 21.50   |
|                                               |            | 1       | 2         | 20.46                | 20.03   | 20.59   | 21.50   |
|                                               |            | 1       | 5         | 20.37                | 20.47   | 20.40   | 21.50   |
|                                               |            | 3       | 0         | 20.14                | 20.24   | 19.95   | 21.50   |
|                                               |            | 3       | 2         | 20.50                | 20.19   | 20.03   | 21.50   |
|                                               |            | 3       | 3         | 20.22                | 20.33   | 20.37   | 21.50   |
|                                               |            | 6       | 0         | 20.18                | 20.37   | 20.13   | 21.50   |
|                                               | 64QAM      | 1       | 0         | 20.07                | 20.42   | 19.94   | 21.50   |
|                                               |            | 1       | 2         | 20.36                | 20.42   | 20.34   | 21.50   |
|                                               |            | 1       | 5         | 20.30                | 20.37   | 19.96   | 21.50   |
|                                               |            | 3       | 0         | 20.39                | 20.17   | 20.20   | 21.50   |
|                                               |            | 3       | 2         | 20.32                | 20.02   | 20.10   | 21.50   |
|                                               |            | 3       | 3         | 20.59                | 20.30   | 19.84   | 21.50   |
|                                               |            | 6       | 0         | 20.21                | 20.20   | 20.27   | 21.50   |
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                               |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                          | QPSK       | 1       | 0         | 20.12                | 20.26   | 20.00   | 21.50   |
|                                               |            | 1       | 7         | 20.07                | 20.07   | 20.15   | 21.50   |
|                                               |            | 1       | 14        | 20.32                | 20.12   | 20.16   | 21.50   |
|                                               |            | 8       | 0         | 20.29                | 20.22   | 20.17   | 21.50   |
|                                               |            | 8       | 4         | 20.28                | 20.18   | 20.11   | 21.50   |
|                                               |            | 8       | 7         | 20.23                | 20.18   | 20.05   | 21.50   |
|                                               |            | 15      | 0         | 20.24                | 20.20   | 20.11   | 21.50   |
|                                               | 16QAM      | 1       | 0         | 20.60                | 20.37   | 20.54   | 21.50   |
|                                               |            | 1       | 7         | 20.43                | 20.24   | 20.60   | 21.50   |
|                                               |            | 1       | 14        | 20.61                | 20.61   | 20.31   | 21.50   |
|                                               |            | 8       | 0         | 20.24                | 20.24   | 20.16   | 21.50   |
|                                               |            | 8       | 4         | 20.20                | 20.20   | 20.14   | 21.50   |
|                                               |            | 8       | 7         | 20.28                | 20.21   | 20.18   | 21.50   |
|                                               |            | 15      | 0         | 20.16                | 20.20   | 20.07   | 21.50   |
|                                               | 64QAM      | 1       | 0         | 20.33                | 20.45   | 20.26   | 21.50   |
|                                               |            | 1       | 7         | 19.75                | 20.18   | 19.98   | 21.50   |
|                                               |            | 1       | 14        | 20.23                | 20.15   | 20.60   | 21.50   |
|                                               |            | 8       | 0         | 20.21                | 20.13   | 20.28   | 21.50   |
|                                               |            | 8       | 4         | 20.14                | 20.15   | 20.25   | 21.50   |
|                                               |            | 8       | 7         | 20.03                | 20.13   | 19.99   | 21.50   |
|                                               |            | 15      | 0         | 20.16                | 20.36   | 20.23   | 21.50   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.13   | 19.97   | 20.04   | 21.50   |
|           |            | 1       | 13        | 20.29   | 20.14   | 20.14   | 21.50   |
|           |            | 1       | 24        | 20.16   | 20.11   | 20.26   | 21.50   |
|           |            | 12      | 0         | 20.22   | 20.32   | 20.18   | 21.50   |
|           |            | 12      | 6         | 20.22   | 20.11   | 20.10   | 21.50   |
|           |            | 12      | 13        | 20.24   | 20.11   | 19.96   | 21.50   |
|           |            | 25      | 0         | 20.25   | 20.13   | 20.11   | 21.50   |
|           | 16QAM      | 1       | 0         | 20.39   | 20.62   | 20.41   | 21.50   |
|           |            | 1       | 13        | 20.61   | 20.60   | 20.52   | 21.50   |
|           |            | 1       | 24        | 20.50   | 20.40   | 20.47   | 21.50   |
|           |            | 12      | 0         | 20.22   | 20.34   | 20.09   | 21.50   |
|           |            | 12      | 6         | 20.04   | 20.33   | 20.27   | 21.50   |
|           |            | 12      | 13        | 20.21   | 20.29   | 20.16   | 21.50   |
|           |            | 25      | 0         | 20.09   | 20.18   | 20.06   | 21.50   |
|           | 64QAM      | 1       | 0         | 19.99   | 20.36   | 20.12   | 21.50   |
|           |            | 1       | 13        | 20.08   | 20.49   | 20.03   | 21.50   |
|           |            | 1       | 24        | 20.37   | 20.12   | 20.06   | 21.50   |
|           |            | 12      | 0         | 19.98   | 20.26   | 20.19   | 21.50   |
|           |            | 12      | 6         | 20.08   | 20.33   | 20.29   | 21.50   |
|           |            | 12      | 13        | 20.17   | 20.34   | 20.26   | 21.50   |
|           |            | 25      | 0         | 20.04   | 20.18   | 20.20   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.20   | 20.13   | 20.26   | 21.50   |
|           |            | 1       | 25        | 20.18   | 20.21   | 20.05   | 21.50   |
|           |            | 1       | 49        | 20.21   | 20.15   | 20.00   | 21.50   |
|           |            | 25      | 0         | 20.33   | 20.13   | 20.23   | 21.50   |
|           |            | 25      | 13        | 20.22   | 20.13   | 20.11   | 21.50   |
|           |            | 25      | 25        | 20.21   | 20.05   | 20.12   | 21.50   |
|           |            | 50      | 0         | 20.29   | 20.11   | 20.13   | 21.50   |
|           | 16QAM      | 1       | 0         | 19.84   | 20.26   | 20.29   | 21.50   |
|           |            | 1       | 25        | 20.22   | 20.31   | 20.06   | 21.50   |
|           |            | 1       | 49        | 20.37   | 20.42   | 20.22   | 21.50   |
|           |            | 25      | 0         | 20.18   | 20.15   | 20.12   | 21.50   |
|           |            | 25      | 13        | 20.12   | 20.24   | 20.20   | 21.50   |
|           |            | 25      | 25        | 20.04   | 20.22   | 20.01   | 21.50   |
|           |            | 50      | 0         | 20.03   | 20.18   | 20.16   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.39   | 20.11   | 19.92   | 21.50   |
|           |            | 1       | 25        | 20.25   | 19.94   | 20.23   | 21.50   |
|           |            | 1       | 49        | 20.30   | 20.13   | 20.00   | 21.50   |
|           |            | 25      | 0         | 20.19   | 20.11   | 20.12   | 21.50   |
|           |            | 25      | 13        | 20.10   | 20.21   | 20.07   | 21.50   |
|           |            | 25      | 25        | 20.06   | 20.23   | 20.15   | 21.50   |
|           |            | 50      | 0         | 20.08   | 20.06   | 20.04   | 21.50   |

| LTE Band 5 WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                 | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                           |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                                    | QPSK       | 1       | 0         | 21.85                | 21.60   | 21.78   | 23.00   |
|                                                           |            | 1       | 2         | 21.71                | 21.66   | 21.78   | 23.00   |
|                                                           |            | 1       | 5         | 21.96                | 21.68   | 21.65   | 23.00   |
|                                                           |            | 3       | 0         | 21.74                | 21.70   | 21.89   | 23.00   |
|                                                           |            | 3       | 2         | 22.04                | 21.66   | 21.68   | 23.00   |
|                                                           |            | 3       | 3         | 21.98                | 21.65   | 21.77   | 23.00   |
|                                                           | 16QAM      | 6       | 0         | 21.86                | 21.79   | 21.95   | 23.00   |
|                                                           |            | 1       | 0         | 22.02                | 22.06   | 22.09   | 23.00   |
|                                                           |            | 1       | 2         | 22.02                | 22.11   | 21.70   | 23.00   |
|                                                           |            | 1       | 5         | 21.84                | 22.04   | 21.90   | 23.00   |
|                                                           |            | 3       | 0         | 21.83                | 22.09   | 21.79   | 23.00   |
|                                                           |            | 3       | 2         | 21.78                | 21.84   | 21.78   | 23.00   |
|                                                           | 64QAM      | 3       | 3         | 21.80                | 22.07   | 21.98   | 23.00   |
|                                                           |            | 6       | 0         | 21.84                | 21.77   | 21.79   | 23.00   |
|                                                           |            | 1       | 0         | 21.92                | 22.22   | 21.76   | 23.00   |
|                                                           |            | 1       | 2         | 22.14                | 22.20   | 22.23   | 23.00   |
|                                                           |            | 1       | 5         | 22.12                | 22.24   | 21.70   | 23.00   |
|                                                           |            | 3       | 0         | 22.26                | 21.94   | 22.11   | 23.00   |
| 3MHz                                                      | QPSK       | 3       | 2         | 22.14                | 21.89   | 21.96   | 23.00   |
|                                                           |            | 3       | 3         | 22.25                | 22.20   | 21.64   | 23.00   |
|                                                           |            | 6       | 0         | 21.09                | 21.04   | 21.18   | 22.00   |
|                                                           | 16QAM      | 1       | 0         | 21.94                | 21.81   | 21.79   | 23.00   |
|                                                           |            | 1       | 7         | 21.72                | 21.64   | 21.73   | 23.00   |
|                                                           |            | 1       | 14        | 21.88                | 21.78   | 21.70   | 23.00   |
|                                                           | 64QAM      | 8       | 0         | 21.75                | 21.74   | 21.74   | 23.00   |
|                                                           |            | 8       | 4         | 21.87                | 21.98   | 21.84   | 23.00   |
|                                                           |            | 8       | 7         | 21.68                | 21.93   | 21.92   | 23.00   |
|                                                           | 16QAM      | 15      | 0         | 21.83                | 21.71   | 21.77   | 23.00   |
|                                                           |            | 1       | 0         | 22.01                | 21.93   | 22.25   | 23.00   |
|                                                           |            | 1       | 7         | 21.74                | 21.72   | 22.10   | 23.00   |
|                                                           |            | 1       | 14        | 21.86                | 22.13   | 22.02   | 23.00   |
|                                                           | 64QAM      | 8       | 0         | 21.94                | 21.93   | 21.72   | 23.00   |
|                                                           |            | 8       | 4         | 21.97                | 21.90   | 21.76   | 23.00   |
|                                                           |            | 8       | 7         | 21.68                | 21.74   | 21.58   | 23.00   |
|                                                           | 16QAM      | 15      | 0         | 21.75                | 21.75   | 21.75   | 23.00   |
|                                                           |            | 1       | 0         | 21.97                | 22.15   | 21.92   | 23.00   |
|                                                           |            | 1       | 7         | 21.42                | 21.80   | 21.57   | 23.00   |
|                                                           | 64QAM      | 1       | 14        | 21.90                | 21.81   | 22.21   | 23.00   |
|                                                           |            | 8       | 0         | 21.08                | 21.01   | 21.16   | 22.00   |
|                                                           |            | 8       | 4         | 20.95                | 21.03   | 21.08   | 22.00   |
|                                                           |            | 8       | 7         | 20.83                | 21.01   | 20.82   | 22.00   |
|                                                           |            | 15      | 0         | 21.02                | 21.13   | 21.12   | 22.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 21.76   | 21.71   | 21.81   | 23.00   |
|           |            | 1       | 13        | 21.85   | 21.90   | 21.80   | 23.00   |
|           |            | 1       | 24        | 21.92   | 21.80   | 21.62   | 23.00   |
|           |            | 12      | 0         | 21.74   | 21.79   | 21.82   | 23.00   |
|           |            | 12      | 6         | 21.74   | 21.80   | 21.74   | 23.00   |
|           |            | 12      | 13        | 21.69   | 21.77   | 21.79   | 23.00   |
|           |            | 25      | 0         | 21.75   | 21.84   | 21.70   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.74   | 21.90   | 21.98   | 23.00   |
|           |            | 1       | 13        | 22.01   | 21.25   | 22.17   | 23.00   |
|           |            | 1       | 24        | 22.09   | 22.26   | 22.03   | 23.00   |
|           |            | 12      | 0         | 21.75   | 21.77   | 21.72   | 23.00   |
|           |            | 12      | 6         | 21.62   | 21.79   | 21.67   | 23.00   |
|           |            | 12      | 13        | 21.68   | 21.64   | 21.83   | 23.00   |
|           |            | 25      | 0         | 21.72   | 21.75   | 21.72   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.59   | 22.00   | 21.76   | 23.00   |
|           |            | 1       | 13        | 21.69   | 22.08   | 21.66   | 23.00   |
|           |            | 1       | 24        | 22.02   | 21.71   | 21.78   | 23.00   |
|           |            | 12      | 0         | 20.82   | 21.07   | 21.07   | 22.00   |
|           |            | 12      | 6         | 21.01   | 21.14   | 21.09   | 22.00   |
|           |            | 12      | 13        | 20.93   | 21.22   | 21.09   | 22.00   |
|           |            | 25      | 0         | 20.92   | 21.09   | 21.04   | 22.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.28   | 22.25   | 22.22   | 23.00   |
|           |            | 1       | 25        | 22.14   | 21.84   | 22.05   | 23.00   |
|           |            | 1       | 49        | 21.56   | 21.90   | 21.29   | 23.00   |
|           |            | 25      | 0         | 21.79   | 21.66   | 21.74   | 23.00   |
|           |            | 25      | 13        | 21.68   | 21.73   | 21.71   | 23.00   |
|           |            | 25      | 25        | 21.57   | 21.76   | 21.77   | 23.00   |
|           |            | 50      | 0         | 21.76   | 21.73   | 21.77   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.03   | 21.81   | 21.89   | 23.00   |
|           |            | 1       | 25        | 21.86   | 21.85   | 21.57   | 23.00   |
|           |            | 1       | 49        | 21.65   | 21.78   | 21.75   | 23.00   |
|           |            | 25      | 0         | 21.75   | 21.65   | 21.65   | 23.00   |
|           |            | 25      | 13        | 21.71   | 21.79   | 21.63   | 23.00   |
|           |            | 25      | 25        | 21.76   | 21.70   | 21.77   | 23.00   |
|           |            | 50      | 0         | 21.69   | 21.67   | 21.74   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.95   | 21.76   | 21.54   | 23.00   |
|           |            | 1       | 25        | 21.85   | 21.55   | 22.27   | 23.00   |
|           |            | 1       | 49        | 22.01   | 21.73   | 21.59   | 23.00   |
|           |            | 25      | 0         | 21.06   | 20.92   | 20.92   | 22.00   |
|           |            | 25      | 13        | 20.99   | 21.06   | 20.89   | 22.00   |
|           |            | 25      | 25        | 20.94   | 21.09   | 20.89   | 22.00   |
|           |            | 50      | 0         | 20.83   | 20.92   | 20.86   | 22.00   |

| LTE Band 5 WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                         |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                                                  | QPSK       | 1       | 0         | 19.09                | 19.10   | 19.08   | 20.50   |
|                                                         |            | 1       | 2         | 18.93                | 18.99   | 19.02   | 20.50   |
|                                                         |            | 1       | 5         | 19.33                | 19.19   | 19.14   | 20.50   |
|                                                         |            | 3       | 0         | 19.15                | 19.20   | 19.09   | 20.50   |
|                                                         |            | 3       | 2         | 19.21                | 19.04   | 19.24   | 20.50   |
|                                                         |            | 3       | 3         | 19.15                | 19.14   | 19.24   | 20.50   |
|                                                         |            | 6       | 0         | 19.19                | 19.13   | 19.07   | 20.50   |
|                                                         | 16QAM      | 1       | 0         | 19.41                | 19.57   | 19.40   | 20.50   |
|                                                         |            | 1       | 2         | 19.42                | 19.01   | 19.56   | 20.50   |
|                                                         |            | 1       | 5         | 19.36                | 19.44   | 19.37   | 20.50   |
|                                                         |            | 3       | 0         | 19.13                | 19.26   | 18.92   | 20.50   |
|                                                         |            | 3       | 2         | 19.46                | 19.17   | 19.04   | 20.50   |
|                                                         |            | 3       | 3         | 19.23                | 19.31   | 19.37   | 20.50   |
|                                                         |            | 6       | 0         | 19.16                | 19.37   | 19.15   | 20.50   |
|                                                         | 64QAM      | 1       | 0         | 19.09                | 19.40   | 18.96   | 20.50   |
|                                                         |            | 1       | 2         | 19.32                | 19.44   | 19.31   | 20.50   |
|                                                         |            | 1       | 5         | 19.29                | 19.38   | 18.92   | 20.50   |
|                                                         |            | 3       | 0         | 19.38                | 19.19   | 19.19   | 20.50   |
|                                                         |            | 3       | 2         | 19.30                | 19.02   | 19.09   | 20.50   |
|                                                         |            | 3       | 3         | 19.58                | 19.30   | 18.85   | 20.50   |
|                                                         |            | 6       | 0         | 19.23                | 19.17   | 19.24   | 20.50   |
| Bandwidth                                               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                         |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz                                                    | QPSK       | 1       | 0         | 19.11                | 19.25   | 19.00   | 20.50   |
|                                                         |            | 1       | 7         | 19.07                | 19.03   | 19.12   | 20.50   |
|                                                         |            | 1       | 14        | 19.33                | 19.11   | 19.13   | 20.50   |
|                                                         |            | 8       | 0         | 19.27                | 19.21   | 19.15   | 20.50   |
|                                                         |            | 8       | 4         | 19.27                | 19.17   | 19.13   | 20.50   |
|                                                         |            | 8       | 7         | 19.20                | 19.19   | 19.04   | 20.50   |
|                                                         |            | 15      | 0         | 19.24                | 19.22   | 19.11   | 20.50   |
|                                                         | 16QAM      | 1       | 0         | 19.56                | 19.35   | 19.51   | 20.50   |
|                                                         |            | 1       | 7         | 19.40                | 19.25   | 19.60   | 20.50   |
|                                                         |            | 1       | 14        | 19.72                | 19.57   | 19.29   | 20.50   |
|                                                         |            | 8       | 0         | 19.24                | 19.22   | 19.18   | 20.50   |
|                                                         |            | 8       | 4         | 19.17                | 19.16   | 19.11   | 20.50   |
|                                                         |            | 8       | 7         | 19.24                | 19.23   | 19.14   | 20.50   |
|                                                         |            | 15      | 0         | 19.13                | 19.21   | 19.05   | 20.50   |
|                                                         | 64QAM      | 1       | 0         | 19.31                | 19.47   | 19.23   | 20.50   |
|                                                         |            | 1       | 7         | 18.71                | 19.14   | 18.97   | 20.50   |
|                                                         |            | 1       | 14        | 19.20                | 19.16   | 19.68   | 20.50   |
|                                                         |            | 8       | 0         | 19.23                | 19.12   | 19.25   | 20.50   |
|                                                         |            | 8       | 4         | 19.10                | 19.13   | 19.24   | 20.50   |
|                                                         |            | 8       | 7         | 19.00                | 19.10   | 18.97   | 20.50   |
|                                                         |            | 15      | 0         | 19.12                | 19.35   | 19.20   | 20.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.15   | 18.95   | 19.02   | 20.50   |
|           |            | 1       | 13        | 19.27   | 19.11   | 19.13   | 20.50   |
|           |            | 1       | 24        | 19.17   | 19.07   | 19.28   | 20.50   |
|           |            | 12      | 0         | 19.19   | 19.29   | 19.17   | 20.50   |
|           |            | 12      | 6         | 19.18   | 19.08   | 19.12   | 20.50   |
|           |            | 12      | 13        | 19.23   | 19.12   | 18.98   | 20.50   |
|           |            | 25      | 0         | 19.24   | 19.11   | 19.11   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.38   | 19.64   | 19.37   | 20.50   |
|           |            | 1       | 13        | 19.74   | 19.71   | 19.50   | 20.50   |
|           |            | 1       | 24        | 19.51   | 19.42   | 19.48   | 20.50   |
|           |            | 12      | 0         | 19.22   | 19.33   | 19.08   | 20.50   |
|           |            | 12      | 6         | 19.01   | 19.32   | 19.27   | 20.50   |
|           |            | 12      | 13        | 19.17   | 19.30   | 19.13   | 20.50   |
|           |            | 25      | 0         | 19.07   | 19.14   | 19.07   | 20.50   |
|           | 64QAM      | 1       | 0         | 19.01   | 19.38   | 19.14   | 20.50   |
|           |            | 1       | 13        | 19.05   | 19.45   | 19.02   | 20.50   |
|           |            | 1       | 24        | 19.34   | 19.11   | 19.03   | 20.50   |
|           |            | 12      | 0         | 18.95   | 19.28   | 19.16   | 20.50   |
|           |            | 12      | 6         | 19.07   | 19.34   | 19.28   | 20.50   |
|           |            | 12      | 13        | 19.19   | 19.30   | 19.23   | 20.50   |
|           |            | 25      | 0         | 19.02   | 19.19   | 19.20   | 20.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.17   | 19.11   | 19.25   | 20.50   |
|           |            | 1       | 25        | 19.17   | 19.22   | 19.05   | 20.50   |
|           |            | 1       | 49        | 19.23   | 19.16   | 19.00   | 20.50   |
|           |            | 25      | 0         | 19.32   | 19.09   | 19.20   | 20.50   |
|           |            | 25      | 13        | 19.20   | 19.15   | 19.13   | 20.50   |
|           |            | 25      | 25        | 19.20   | 19.03   | 19.14   | 20.50   |
|           |            | 50      | 0         | 19.26   | 19.10   | 19.15   | 20.50   |
|           | 16QAM      | 1       | 0         | 18.85   | 19.75   | 19.80   | 20.50   |
|           |            | 1       | 25        | 19.63   | 19.30   | 19.08   | 20.50   |
|           |            | 1       | 49        | 19.35   | 19.44   | 19.52   | 20.50   |
|           |            | 25      | 0         | 19.16   | 19.11   | 19.14   | 20.50   |
|           |            | 25      | 13        | 19.09   | 19.25   | 19.22   | 20.50   |
|           |            | 25      | 25        | 19.05   | 19.24   | 19.03   | 20.50   |
|           |            | 50      | 0         | 19.00   | 19.18   | 19.12   | 20.50   |
|           | 64QAM      | 1       | 0         | 19.40   | 19.12   | 18.92   | 20.50   |
|           |            | 1       | 25        | 19.23   | 18.92   | 19.62   | 20.50   |
|           |            | 1       | 49        | 19.26   | 19.12   | 18.96   | 20.50   |
|           |            | 25      | 0         | 19.16   | 19.12   | 19.11   | 20.50   |
|           |            | 25      | 13        | 19.08   | 19.21   | 19.08   | 20.50   |
|           |            | 25      | 25        | 19.05   | 19.20   | 19.14   | 20.50   |
|           |            | 50      | 0         | 19.06   | 19.06   | 19.03   | 20.50   |



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| LTE Band 7 Full Power/Receiver off/Receiver off+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                    |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                                               | QPSK       | 1       | 0         | 21.24                | 21.24   | 21.38   | 22.70   |
|                                                    |            | 1       | 13        | 21.28                | 21.44   | 21.58   | 22.70   |
|                                                    |            | 1       | 24        | 21.27                | 21.32   | 21.53   | 22.70   |
|                                                    |            | 12      | 0         | 21.08                | 21.32   | 21.30   | 22.70   |
|                                                    |            | 12      | 6         | 21.15                | 21.32   | 21.21   | 22.70   |
|                                                    |            | 12      | 13        | 21.32                | 21.37   | 21.21   | 22.70   |
|                                                    |            | 25      | 0         | 21.13                | 21.30   | 21.18   | 22.70   |
|                                                    | 16QAM      | 1       | 0         | 21.02                | 21.03   | 21.27   | 22.70   |
|                                                    |            | 1       | 13        | 21.06                | 21.19   | 21.35   | 22.70   |
|                                                    |            | 1       | 24        | 21.09                | 21.39   | 20.75   | 22.70   |
|                                                    |            | 12      | 0         | 20.87                | 21.05   | 21.33   | 22.70   |
|                                                    |            | 12      | 6         | 21.00                | 21.15   | 21.38   | 22.70   |
|                                                    |            | 12      | 13        | 20.90                | 20.89   | 21.36   | 22.70   |
|                                                    |            | 25      | 0         | 21.05                | 21.09   | 21.18   | 22.70   |
|                                                    | 64QAM      | 1       | 0         | 21.21                | 21.29   | 21.00   | 22.70   |
|                                                    |            | 1       | 13        | 21.00                | 21.00   | 21.19   | 22.70   |
|                                                    |            | 1       | 24        | 21.12                | 21.09   | 20.71   | 22.70   |
|                                                    |            | 12      | 0         | 20.21                | 20.06   | 20.24   | 21.70   |
|                                                    |            | 12      | 6         | 20.20                | 20.14   | 20.30   | 21.70   |
|                                                    |            | 12      | 13        | 20.00                | 19.97   | 20.41   | 21.70   |
|                                                    |            | 25      | 0         | 20.05                | 19.95   | 20.15   | 21.70   |
| Bandwidth                                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                    |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                                              | QPSK       | 1       | 0         | 21.35                | 21.38   | 21.51   | 22.70   |
|                                                    |            | 1       | 25        | 21.44                | 21.64   | 21.70   | 22.70   |
|                                                    |            | 1       | 49        | 21.30                | 21.38   | 21.56   | 22.70   |
|                                                    |            | 25      | 0         | 21.08                | 21.32   | 21.28   | 22.70   |
|                                                    |            | 25      | 13        | 21.15                | 21.24   | 21.20   | 22.70   |
|                                                    |            | 25      | 25        | 21.20                | 21.35   | 21.15   | 22.70   |
|                                                    |            | 50      | 0         | 21.14                | 21.28   | 21.22   | 22.70   |
|                                                    | 16QAM      | 1       | 0         | 21.27                | 21.01   | 20.82   | 22.70   |
|                                                    |            | 1       | 25        | 21.69                | 21.65   | 21.33   | 22.70   |
|                                                    |            | 1       | 49        | 20.99                | 21.26   | 21.48   | 22.70   |
|                                                    |            | 25      | 0         | 21.09                | 20.98   | 21.43   | 22.70   |
|                                                    |            | 25      | 13        | 20.99                | 20.94   | 21.25   | 22.70   |
|                                                    |            | 25      | 25        | 20.96                | 21.04   | 21.26   | 22.70   |
|                                                    |            | 50      | 0         | 20.93                | 20.97   | 21.36   | 22.70   |
|                                                    | 64QAM      | 1       | 0         | 20.70                | 20.71   | 21.28   | 22.70   |
|                                                    |            | 1       | 25        | 21.34                | 20.83   | 21.32   | 22.70   |
|                                                    |            | 1       | 49        | 21.13                | 20.93   | 21.09   | 22.70   |
|                                                    |            | 25      | 0         | 20.02                | 20.02   | 20.24   | 21.70   |
|                                                    |            | 25      | 13        | 19.96                | 19.98   | 20.19   | 21.70   |
|                                                    |            | 25      | 25        | 19.81                | 20.04   | 20.07   | 21.70   |
|                                                    |            | 50      | 0         | 19.93                | 19.93   | 20.32   | 21.70   |



| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|---------|---------|
|           |            |         |           | 20825        | 21100        | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.27        | 21.34        | 21.51   | 22.70   |
|           |            | 1       | 38        | 21.52        | 21.38        | 21.54   | 22.70   |
|           |            | 1       | 74        | 21.34        | 21.40        | 21.61   | 22.70   |
|           |            | 36      | 0         | 21.07        | 21.14        | 21.36   | 22.70   |
|           |            | 36      | 18        | 21.21        | 21.10        | 21.24   | 22.70   |
|           |            | 36      | 39        | 21.32        | 21.34        | 21.12   | 22.70   |
|           |            | 75      | 0         | 21.22        | 21.34        | 21.21   | 22.70   |
|           | 16QAM      | 1       | 0         | 21.09        | 21.08        | 21.54   | 22.70   |
|           |            | 1       | 38        | 21.14        | 20.78        | 21.29   | 22.70   |
|           |            | 1       | 74        | 21.22        | 20.81        | 21.04   | 22.70   |
|           |            | 36      | 0         | 21.14        | 21.12        | 21.39   | 22.70   |
|           |            | 36      | 18        | 20.92        | 21.06        | 21.28   | 22.70   |
|           |            | 36      | 39        | 21.15        | 21.19        | 21.38   | 22.70   |
|           |            | 75      | 0         | 21.00        | 21.09        | 21.30   | 22.70   |
|           | 64QAM      | 1       | 0         | 20.94        | 21.10        | 20.93   | 22.70   |
|           |            | 1       | 38        | 20.92        | 20.84        | 21.39   | 22.70   |
|           |            | 1       | 74        | 20.84        | 20.96        | 21.18   | 22.70   |
|           |            | 36      | 0         | 20.01        | 20.04        | 20.31   | 21.70   |
|           |            | 36      | 18        | 20.06        | 20.07        | 20.20   | 21.70   |
|           |            | 36      | 39        | 19.95        | 20.08        | 20.41   | 21.70   |
|           |            | 75      | 0         | 20.02        | 20.01        | 20.28   | 21.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel | Tune up |
|           |            |         |           | 20850        | 21100        | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.40        | 21.24        | 21.48   | 22.70   |
|           |            | 1       | 50        | <b>21.71</b> | 21.69        | 21.45   | 22.70   |
|           |            | 1       | 99        | 21.50        | 21.57        | 21.68   | 22.70   |
|           |            | 50      | 0         | 21.28        | 21.16        | 21.42   | 22.70   |
|           |            | 50      | 25        | 21.26        | 21.10        | 21.17   | 22.70   |
|           |            | 50      | 50        | 21.45        | <b>21.50</b> | 21.13   | 22.70   |
|           |            | 100     | 0         | 21.15        | 21.17        | 21.40   | 22.70   |
|           | 16QAM      | 1       | 0         | 21.15        | 20.96        | 21.20   | 22.70   |
|           |            | 1       | 50        | 21.40        | 21.47        | 21.09   | 22.70   |
|           |            | 1       | 99        | 21.32        | 21.33        | 20.90   | 22.70   |
|           |            | 50      | 0         | 21.06        | 21.07        | 21.34   | 22.70   |
|           |            | 50      | 25        | 21.03        | 21.08        | 21.26   | 22.70   |
|           |            | 50      | 50        | 21.08        | 20.99        | 21.40   | 22.70   |
|           |            | 100     | 0         | 21.24        | 21.27        | 21.37   | 22.70   |
|           | 64QAM      | 1       | 0         | 21.01        | 20.73        | 20.77   | 22.70   |
|           |            | 1       | 50        | 21.37        | 21.06        | 21.18   | 22.70   |
|           |            | 1       | 99        | 21.10        | 21.02        | 21.28   | 22.70   |
|           |            | 50      | 0         | 20.00        | 20.03        | 20.21   | 21.70   |
|           |            | 50      | 25        | 20.00        | 20.04        | 20.34   | 21.70   |
|           |            | 50      | 50        | 19.98        | 20.06        | 20.30   | 21.70   |
|           |            | 100     | 0         | 20.18        | 20.01        | 20.25   | 21.70   |



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|---------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| LTE Band 7 Receiver on/Receiver on+BT |            |         |           | Conducted Power(dBm) |         |         |         |
| Bandwidth                             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                       |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                                  | QPSK       | 1       | 0         | 15.79                | 15.94   | 15.81   | 17.20   |
|                                       |            | 1       | 13        | 15.88                | 15.91   | 16.24   | 17.20   |
|                                       |            | 1       | 24        | 15.83                | 15.75   | 15.98   | 17.20   |
|                                       |            | 12      | 0         | 16.22                | 16.15   | 16.36   | 17.20   |
|                                       |            | 12      | 6         | 15.92                | 16.10   | 16.27   | 17.20   |
|                                       |            | 12      | 13        | 16.20                | 16.32   | 16.22   | 17.20   |
|                                       |            | 25      | 0         | 16.18                | 16.30   | 16.29   | 17.20   |
|                                       | 16QAM      | 1       | 0         | 16.14                | 16.24   | 15.80   | 17.20   |
|                                       |            | 1       | 13        | 15.91                | 16.29   | 16.39   | 17.20   |
|                                       |            | 1       | 24        | 16.31                | 15.89   | 16.35   | 17.20   |
|                                       |            | 12      | 0         | 15.98                | 16.10   | 16.24   | 17.20   |
|                                       |            | 12      | 6         | 15.97                | 16.17   | 16.36   | 17.20   |
|                                       |            | 12      | 13        | 16.10                | 16.21   | 16.31   | 17.20   |
|                                       |            | 25      | 0         | 16.01                | 16.23   | 16.21   | 17.20   |
|                                       | 64QAM      | 1       | 0         | 15.71                | 16.11   | 16.04   | 17.20   |
|                                       |            | 1       | 13        | 16.19                | 15.78   | 16.26   | 17.20   |
|                                       |            | 1       | 24        | 15.95                | 15.94   | 15.94   | 17.20   |
|                                       |            | 12      | 0         | 16.06                | 16.08   | 16.27   | 17.20   |
|                                       |            | 12      | 6         | 16.09                | 15.99   | 16.38   | 17.20   |
|                                       |            | 12      | 13        | 16.22                | 16.28   | 16.33   | 17.20   |
|                                       |            | 25      | 0         | 16.08                | 16.04   | 16.24   | 17.20   |
| Bandwidth                             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                       |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                                 | QPSK       | 1       | 0         | 15.76                | 15.94   | 15.98   | 17.20   |
|                                       |            | 1       | 25        | 16.14                | 16.08   | 16.37   | 17.20   |
|                                       |            | 1       | 49        | 15.93                | 15.81   | 15.92   | 17.20   |
|                                       |            | 25      | 0         | 16.02                | 16.24   | 16.24   | 17.20   |
|                                       |            | 25      | 13        | 16.18                | 16.14   | 16.18   | 17.20   |
|                                       |            | 25      | 25        | 16.17                | 16.27   | 16.25   | 17.20   |
|                                       |            | 50      | 0         | 15.91                | 16.27   | 16.32   | 17.20   |
|                                       | 16QAM      | 1       | 0         | 16.46                | 16.27   | 15.77   | 17.20   |
|                                       |            | 1       | 25        | 15.96                | 16.49   | 16.50   | 17.20   |
|                                       |            | 1       | 49        | 16.26                | 16.15   | 16.16   | 17.20   |
|                                       |            | 25      | 0         | 15.88                | 16.08   | 16.13   | 17.20   |
|                                       |            | 25      | 13        | 16.00                | 16.06   | 16.05   | 17.20   |
|                                       |            | 25      | 25        | 16.05                | 16.16   | 16.21   | 17.20   |
|                                       |            | 50      | 0         | 16.10                | 16.01   | 16.25   | 17.20   |
|                                       | 64QAM      | 1       | 0         | 15.77                | 16.21   | 16.24   | 17.20   |
|                                       |            | 1       | 25        | 16.22                | 16.10   | 16.12   | 17.20   |
|                                       |            | 1       | 49        | 15.73                | 15.88   | 16.16   | 17.20   |
|                                       |            | 25      | 0         | 16.03                | 16.15   | 16.30   | 17.20   |
|                                       |            | 25      | 13        | 16.15                | 15.99   | 16.15   | 17.20   |
|                                       |            | 25      | 25        | 16.06                | 16.20   | 16.28   | 17.20   |
|                                       |            | 50      | 0         | 16.10                | 16.00   | 16.28   | 17.20   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Tune up |
|-----------|------------|---------|-----------|---------|---------|--------------|---------|
|           |            |         |           | 20825   | 21100   | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 15.88   | 15.82   | 15.92        | 17.20   |
|           |            | 1       | 38        | 15.86   | 15.72   | 15.96        | 17.20   |
|           |            | 1       | 74        | 15.95   | 15.79   | 15.90        | 17.20   |
|           |            | 36      | 0         | 16.03   | 16.13   | 16.21        | 17.20   |
|           |            | 36      | 18        | 16.22   | 16.11   | 16.29        | 17.20   |
|           |            | 36      | 39        | 16.19   | 16.29   | 16.27        | 17.20   |
|           |            | 75      | 0         | 16.19   | 16.28   | 16.31        | 17.20   |
|           | 16QAM      | 1       | 0         | 15.77   | 16.51   | 16.13        | 17.20   |
|           |            | 1       | 38        | 16.31   | 16.15   | 16.06        | 17.20   |
|           |            | 1       | 74        | 15.80   | 15.92   | 16.37        | 17.20   |
|           |            | 36      | 0         | 16.14   | 16.02   | 16.08        | 17.20   |
|           |            | 36      | 18        | 16.09   | 16.00   | 16.19        | 17.20   |
|           |            | 36      | 39        | 16.16   | 16.17   | 16.31        | 17.20   |
|           |            | 75      | 0         | 16.09   | 16.23   | 16.21        | 17.20   |
|           | 64QAM      | 1       | 0         | 15.75   | 15.80   | 16.10        | 17.20   |
|           |            | 1       | 38        | 15.81   | 16.11   | 15.92        | 17.20   |
|           |            | 1       | 74        | 15.74   | 15.78   | 16.01        | 17.20   |
|           |            | 36      | 0         | 16.10   | 16.04   | 16.11        | 17.20   |
|           |            | 36      | 18        | 16.02   | 16.04   | 16.15        | 17.20   |
|           |            | 36      | 39        | 16.06   | 16.01   | 16.31        | 17.20   |
|           |            | 75      | 0         | 16.02   | 15.96   | 16.29        | 17.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel      | Tune up |
|           |            |         |           | 20850   | 21100   | 21350        |         |
| 20MHz     | QPSK       | 1       | 0         | 15.79   | 15.85   | 16.14        | 17.20   |
|           |            | 1       | 50        | 16.13   | 16.09   | <b>16.18</b> | 17.20   |
|           |            | 1       | 99        | 16.12   | 16.04   | 16.14        | 17.20   |
|           |            | 50      | 0         | 16.06   | 16.21   | 16.27        | 17.20   |
|           |            | 50      | 25        | 16.21   | 16.13   | 16.32        | 17.20   |
|           |            | 50      | 50        | 16.16   | 16.30   | <b>16.32</b> | 17.20   |
|           |            | 100     | 0         | 16.24   | 16.34   | 16.41        | 17.20   |
|           | 16QAM      | 1       | 0         | 15.95   | 16.05   | 16.15        | 17.20   |
|           |            | 1       | 50        | 16.11   | 16.30   | 16.39        | 17.20   |
|           |            | 1       | 99        | 15.89   | 16.50   | 16.52        | 17.20   |
|           |            | 50      | 0         | 16.01   | 16.09   | 16.32        | 17.20   |
|           |            | 50      | 25        | 16.09   | 15.95   | 16.21        | 17.20   |
|           |            | 50      | 50        | 16.14   | 16.22   | 16.27        | 17.20   |
|           |            | 100     | 0         | 16.14   | 16.02   | 16.32        | 17.20   |
|           | 64QAM      | 1       | 0         | 15.71   | 15.90   | 16.11        | 17.20   |
|           |            | 1       | 50        | 16.17   | 16.01   | 16.17        | 17.20   |
|           |            | 1       | 99        | 15.78   | 16.15   | 16.25        | 17.20   |
|           |            | 50      | 0         | 15.91   | 15.99   | 16.03        | 17.20   |
|           |            | 50      | 25        | 16.04   | 15.98   | 16.23        | 17.20   |
|           |            | 50      | 50        | 16.17   | 16.11   | 16.27        | 17.20   |
|           |            | 100     | 0         | 16.13   | 16.03   | 16.31        | 17.20   |



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| LTE Band 7 WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT/WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |                  |                  |         |
|----------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                                                                                          | Modulation | RB size | RB offset | Channel<br>20775     | Channel<br>21100 | Channel<br>21425 | Tune up |
| 5MHz                                                                                               | QPSK       | 1       | 0         | 17.25                | 17.37            | 17.39            | 18.70   |
|                                                                                                    |            | 1       | 13        | 17.43                | 17.54            | 17.66            | 18.70   |
|                                                                                                    |            | 1       | 24        | 17.30                | 17.35            | 17.42            | 18.70   |
|                                                                                                    |            | 12      | 0         | 17.66                | 17.68            | 17.87            | 18.70   |
|                                                                                                    |            | 12      | 6         | 17.60                | 17.73            | 17.86            | 18.70   |
|                                                                                                    |            | 12      | 13        | 17.73                | 17.85            | 17.75            | 18.70   |
|                                                                                                    |            | 25      | 0         | 17.68                | 17.76            | 17.79            | 18.70   |
|                                                                                                    | 16QAM      | 1       | 0         | 17.83                | 17.92            | 17.93            | 18.70   |
|                                                                                                    |            | 1       | 13        | 17.78                | 17.91            | 17.90            | 18.70   |
|                                                                                                    |            | 1       | 24        | 17.71                | 17.90            | 17.91            | 18.70   |
|                                                                                                    |            | 12      | 0         | 17.69                | 17.88            | 17.70            | 18.70   |
|                                                                                                    |            | 12      | 6         | 17.48                | 17.74            | 17.71            | 18.70   |
|                                                                                                    |            | 12      | 13        | 17.74                | 17.83            | 17.74            | 18.70   |
|                                                                                                    |            | 25      | 0         | 17.76                | 17.80            | 17.76            | 18.70   |
|                                                                                                    | 64QAM      | 1       | 0         | 17.65                | 17.68            | 17.57            | 18.70   |
|                                                                                                    |            | 1       | 13        | 17.72                | 17.77            | 17.56            | 18.70   |
|                                                                                                    |            | 1       | 24        | 17.75                | 17.73            | 17.62            | 18.70   |
|                                                                                                    |            | 12      | 0         | 17.72                | 17.59            | 17.68            | 18.70   |
|                                                                                                    |            | 12      | 6         | 17.81                | 17.64            | 17.73            | 18.70   |
|                                                                                                    |            | 12      | 13        | 17.72                | 17.52            | 17.91            | 18.70   |
|                                                                                                    |            | 25      | 0         | 17.66                | 17.51            | 17.74            | 18.70   |
| Bandwidth                                                                                          | Modulation | RB size | RB offset | Channel<br>20800     | Channel<br>21100 | Channel<br>21400 | Tune up |
| 10MHz                                                                                              | QPSK       | 1       | 0         | 17.47                | 17.52            | 17.58            | 18.70   |
|                                                                                                    |            | 1       | 25        | 17.52                | 17.75            | 17.75            | 18.70   |
|                                                                                                    |            | 1       | 49        | 17.49                | 17.35            | 17.34            | 18.70   |
|                                                                                                    |            | 25      | 0         | 17.54                | 17.78            | 17.88            | 18.70   |
|                                                                                                    |            | 25      | 13        | 17.71                | 17.68            | 17.71            | 18.70   |
|                                                                                                    |            | 25      | 25        | 17.72                | 17.78            | 17.71            | 18.70   |
|                                                                                                    |            | 50      | 0         | 17.69                | 17.79            | 17.84            | 18.70   |
|                                                                                                    | 16QAM      | 1       | 0         | 17.68                | 17.91            | 17.86            | 18.70   |
|                                                                                                    |            | 1       | 25        | 17.31                | 17.60            | 17.39            | 18.70   |
|                                                                                                    |            | 1       | 49        | 17.92                | 17.63            | 17.85            | 18.70   |
|                                                                                                    |            | 25      | 0         | 17.51                | 17.68            | 17.62            | 18.70   |
|                                                                                                    |            | 25      | 13        | 17.63                | 17.61            | 17.67            | 18.70   |
|                                                                                                    |            | 25      | 25        | 17.62                | 17.67            | 17.72            | 18.70   |
|                                                                                                    |            | 50      | 0         | 17.65                | 17.67            | 17.69            | 18.70   |
|                                                                                                    | 64QAM      | 1       | 0         | 17.34                | 17.73            | 17.63            | 18.70   |
|                                                                                                    |            | 1       | 25        | 17.72                | 17.34            | 17.91            | 18.70   |
|                                                                                                    |            | 1       | 49        | 17.49                | 17.29            | 17.81            | 18.70   |
|                                                                                                    |            | 25      | 0         | 17.44                | 17.67            | 17.62            | 18.70   |
|                                                                                                    |            | 25      | 13        | 17.56                | 17.52            | 17.56            | 18.70   |
|                                                                                                    |            | 25      | 25        | 17.62                | 17.64            | 17.68            | 18.70   |
|                                                                                                    |            | 50      | 0         | 17.56                | 17.54            | 17.52            | 18.70   |



| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.32   | 17.52   | 17.50   | 18.70   |
|           |            | 1       | 38        | 17.28   | 17.37   | 17.42   | 18.70   |
|           |            | 1       | 74        | 17.27   | 17.35   | 17.42   | 18.70   |
|           |            | 36      | 0         | 17.72   | 17.67   | 17.90   | 18.70   |
|           |            | 36      | 18        | 17.60   | 17.62   | 17.71   | 18.70   |
|           |            | 36      | 39        | 17.73   | 17.78   | 17.90   | 18.70   |
|           |            | 75      | 0         | 17.71   | 17.71   | 17.61   | 18.70   |
|           | 16QAM      | 1       | 0         | 17.82   | 17.90   | 17.67   | 18.70   |
|           |            | 1       | 38        | 17.60   | 17.81   | 17.93   | 18.70   |
|           |            | 1       | 74        | 17.93   | 17.84   | 17.32   | 18.70   |
|           |            | 36      | 0         | 17.50   | 17.65   | 17.85   | 18.70   |
|           |            | 36      | 18        | 17.52   | 17.64   | 17.68   | 18.70   |
|           |            | 36      | 39        | 17.79   | 17.73   | 17.60   | 18.70   |
|           |            | 75      | 0         | 17.39   | 17.61   | 17.78   | 18.70   |
|           | 64QAM      | 1       | 0         | 17.27   | 17.58   | 17.23   | 18.70   |
|           |            | 1       | 38        | 17.32   | 17.23   | 17.51   | 18.70   |
|           |            | 1       | 74        | 17.41   | 17.49   | 17.46   | 18.70   |
|           |            | 36      | 0         | 17.45   | 17.53   | 17.68   | 18.70   |
|           |            | 36      | 18        | 17.64   | 17.57   | 17.65   | 18.70   |
|           |            | 36      | 39        | 17.64   | 17.69   | 17.68   | 18.70   |
|           |            | 75      | 0         | 17.59   | 17.51   | 17.57   | 18.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.25   | 17.39   | 17.47   | 18.70   |
|           |            | 1       | 50        | 17.59   | 17.67   | 17.63   | 18.70   |
|           |            | 1       | 99        | 17.70   | 17.85   | 17.68   | 18.70   |
|           |            | 50      | 0         | 17.65   | 17.83   | 17.81   | 18.70   |
|           |            | 50      | 25        | 17.75   | 17.76   | 17.66   | 18.70   |
|           |            | 50      | 50        | 17.92   | 17.84   | 17.87   | 18.70   |
|           |            | 100     | 0         | 17.81   | 17.76   | 17.88   | 18.70   |
|           | 16QAM      | 1       | 0         | 17.56   | 17.78   | 17.69   | 18.70   |
|           |            | 1       | 50        | 17.23   | 17.54   | 17.87   | 18.70   |
|           |            | 1       | 99        | 17.18   | 17.86   | 17.94   | 18.70   |
|           |            | 50      | 0         | 17.49   | 17.73   | 17.71   | 18.70   |
|           |            | 50      | 25        | 17.59   | 17.66   | 17.73   | 18.70   |
|           |            | 50      | 50        | 17.86   | 17.77   | 17.76   | 18.70   |
|           |            | 100     | 0         | 17.75   | 17.68   | 17.69   | 18.70   |
|           | 64QAM      | 1       | 0         | 17.23   | 17.21   | 17.52   | 18.70   |
|           |            | 1       | 50        | 17.57   | 17.74   | 17.22   | 18.70   |
|           |            | 1       | 99        | 17.74   | 17.39   | 17.54   | 18.70   |
|           |            | 50      | 0         | 17.62   | 17.63   | 17.62   | 18.70   |
|           |            | 50      | 25        | 17.62   | 17.50   | 17.53   | 18.70   |
|           |            | 50      | 50        | 17.62   | 17.84   | 17.79   | 18.70   |
|           |            | 100     | 0         | 17.68   | 17.59   | 17.75   | 18.70   |



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|------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| LTE Band 7 WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |                  |                  |         |
| Bandwidth                                                                                      | Modulation | RB size | RB offset | Channel<br>20775     | Channel<br>21100 | Channel<br>21425 | Tune up |
| 5MHz                                                                                           | QPSK       | 1       | 0         | 11.48                | 11.91            | 11.61            | 13.20   |
|                                                                                                |            | 1       | 13        | 11.28                | 11.87            | 11.61            | 13.20   |
|                                                                                                |            | 1       | 24        | 11.64                | 11.65            | 11.34            | 13.20   |
|                                                                                                |            | 12      | 0         | 11.64                | 11.96            | 11.78            | 13.20   |
|                                                                                                |            | 12      | 6         | 11.58                | 12.00            | 11.65            | 13.20   |
|                                                                                                |            | 12      | 13        | 11.51                | 11.91            | 11.65            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.55                | 11.96            | 11.66            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.46                | 11.94            | 12.22            | 13.20   |
|                                                                                                | 16QAM      | 1       | 0         | 11.46                | 11.94            | 12.22            | 13.20   |
|                                                                                                |            | 1       | 13        | 11.93                | 11.60            | 11.99            | 13.20   |
|                                                                                                |            | 1       | 24        | 11.38                | 11.89            | 11.94            | 13.20   |
|                                                                                                |            | 12      | 0         | 11.53                | 11.73            | 11.68            | 13.20   |
|                                                                                                |            | 12      | 6         | 11.36                | 11.75            | 11.57            | 13.20   |
|                                                                                                |            | 12      | 13        | 11.24                | 11.70            | 11.54            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.35                | 11.86            | 11.56            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.66                | 11.95            | 11.91            | 13.20   |
|                                                                                                | 64QAM      | 1       | 0         | 11.66                | 11.95            | 11.91            | 13.20   |
|                                                                                                |            | 1       | 13        | 11.26                | 11.74            | 11.50            | 13.20   |
|                                                                                                |            | 1       | 24        | 11.93                | 11.52            | 11.32            | 13.20   |
|                                                                                                |            | 12      | 0         | 11.54                | 11.76            | 11.57            | 13.20   |
|                                                                                                |            | 12      | 6         | 11.40                | 11.74            | 11.40            | 13.20   |
|                                                                                                |            | 12      | 13        | 11.49                | 11.69            | 11.56            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.41                | 11.59            | 11.56            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.41                | 11.59            | 11.56            | 13.20   |
| Bandwidth                                                                                      | Modulation | RB size | RB offset | Channel<br>20800     | Channel<br>21100 | Channel<br>21400 | Tune up |
| 10MHz                                                                                          | QPSK       | 1       | 0         | 11.67                | 12.06            | 11.99            | 13.20   |
|                                                                                                |            | 1       | 25        | 11.70                | 12.11            | 11.78            | 13.20   |
|                                                                                                |            | 1       | 49        | 11.99                | 11.70            | 11.38            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.74                | 12.14            | 11.90            | 13.20   |
|                                                                                                |            | 25      | 13        | 11.58                | 11.98            | 11.74            | 13.20   |
|                                                                                                |            | 25      | 25        | 11.44                | 11.88            | 11.60            | 13.20   |
|                                                                                                |            | 50      | 0         | 11.58                | 12.00            | 11.76            | 13.20   |
|                                                                                                |            | 50      | 0         | 11.58                | 12.00            | 11.76            | 13.20   |
|                                                                                                | 16QAM      | 1       | 0         | 11.87                | 12.37            | 12.26            | 13.20   |
|                                                                                                |            | 1       | 25        | 11.82                | 11.91            | 11.77            | 13.20   |
|                                                                                                |            | 1       | 49        | 11.95                | 11.51            | 11.57            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.58                | 11.92            | 11.67            | 13.20   |
|                                                                                                |            | 25      | 13        | 11.43                | 11.77            | 11.60            | 13.20   |
|                                                                                                |            | 25      | 25        | 11.27                | 11.68            | 11.46            | 13.20   |
|                                                                                                |            | 50      | 0         | 11.36                | 11.84            | 11.61            | 13.20   |
|                                                                                                |            | 50      | 0         | 11.36                | 11.84            | 11.61            | 13.20   |
|                                                                                                | 64QAM      | 1       | 0         | 11.78                | 11.87            | 12.29            | 13.20   |
|                                                                                                |            | 1       | 25        | 11.68                | 11.95            | 11.26            | 13.20   |
|                                                                                                |            | 1       | 49        | 11.99                | 11.91            | 11.32            | 13.20   |
|                                                                                                |            | 25      | 0         | 11.52                | 11.97            | 11.71            | 13.20   |
|                                                                                                |            | 25      | 13        | 11.35                | 11.72            | 11.47            | 13.20   |
|                                                                                                |            | 25      | 25        | 11.26                | 11.60            | 11.48            | 13.20   |
|                                                                                                |            | 50      | 0         | 11.37                | 11.71            | 11.50            | 13.20   |
|                                                                                                |            | 50      | 0         | 11.37                | 11.71            | 11.50            | 13.20   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 11.50   | 11.87   | 11.86   | 13.20   |
|           |            | 1       | 38        | 11.28   | 11.72   | 11.45   | 13.20   |
|           |            | 1       | 74        | 11.25   | 11.58   | 11.20   | 13.20   |
|           |            | 36      | 0         | 11.60   | 11.92   | 11.89   | 13.20   |
|           |            | 36      | 18        | 11.51   | 11.91   | 11.63   | 13.20   |
|           |            | 36      | 39        | 11.30   | 11.79   | 11.50   | 13.20   |
|           |            | 75      | 0         | 11.50   | 11.90   | 11.63   | 13.20   |
|           | 16QAM      | 1       | 0         | 11.89   | 11.88   | 12.22   | 13.20   |
|           |            | 1       | 38        | 11.62   | 11.47   | 11.27   | 13.20   |
|           |            | 1       | 74        | 11.23   | 11.66   | 11.51   | 13.20   |
|           |            | 36      | 0         | 11.51   | 11.74   | 11.62   | 13.20   |
|           |            | 36      | 18        | 11.39   | 11.72   | 11.35   | 13.20   |
|           |            | 36      | 39        | 11.21   | 11.50   | 11.41   | 13.20   |
|           |            | 75      | 0         | 11.38   | 11.68   | 11.40   | 13.20   |
|           | 64QAM      | 1       | 0         | 11.75   | 11.54   | 11.60   | 13.20   |
|           |            | 1       | 38        | 11.65   | 11.78   | 11.38   | 13.20   |
|           |            | 1       | 74        | 11.47   | 11.34   | 11.52   | 13.20   |
|           |            | 36      | 0         | 11.40   | 11.65   | 11.74   | 13.20   |
|           |            | 36      | 18        | 11.43   | 11.68   | 11.41   | 13.20   |
|           |            | 36      | 39        | 11.25   | 11.58   | 11.29   | 13.20   |
|           |            | 75      | 0         | 11.30   | 11.60   | 11.47   | 13.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.22   | 12.24   | 12.43   | 13.20   |
|           |            | 1       | 50        | 11.96   | 12.46   | 12.29   | 13.20   |
|           |            | 1       | 99        | 11.97   | 12.28   | 11.84   | 13.20   |
|           |            | 50      | 0         | 12.25   | 12.43   | 12.42   | 13.20   |
|           |            | 50      | 25        | 11.97   | 12.36   | 12.16   | 13.20   |
|           |            | 50      | 50        | 11.83   | 12.26   | 12.04   | 13.20   |
|           |            | 100     | 0         | 12.04   | 12.38   | 12.13   | 13.20   |
|           | 16QAM      | 1       | 0         | 12.04   | 12.23   | 12.47   | 13.20   |
|           |            | 1       | 50        | 12.17   | 12.43   | 12.37   | 13.20   |
|           |            | 1       | 99        | 11.96   | 12.45   | 12.02   | 13.20   |
|           |            | 50      | 0         | 12.04   | 12.24   | 12.26   | 13.20   |
|           |            | 50      | 25        | 11.82   | 12.17   | 11.90   | 13.20   |
|           |            | 50      | 50        | 11.82   | 11.98   | 11.93   | 13.20   |
|           |            | 100     | 0         | 11.86   | 12.18   | 11.92   | 13.20   |
|           | 64QAM      | 1       | 0         | 12.13   | 12.24   | 12.37   | 13.20   |
|           |            | 1       | 50        | 12.09   | 12.19   | 12.31   | 13.20   |
|           |            | 1       | 99        | 12.27   | 11.96   | 11.75   | 13.20   |
|           |            | 50      | 0         | 12.00   | 12.25   | 12.21   | 13.20   |
|           |            | 50      | 25        | 11.71   | 12.12   | 11.90   | 13.20   |
|           |            | 50      | 50        | 12.38   | 12.02   | 11.79   | 13.20   |
|           |            | 100     | 0         | 11.78   | 12.10   | 11.98   | 13.20   |



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| LTE Band 7 WiFi 5G(Rec off)/WiFi 5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                 |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                                            | QPSK       | 1       | 0         | 19.88                | 20.02   | 20.04   | 21.70   |
|                                                 |            | 1       | 13        | 19.77                | 19.97   | 20.12   | 21.70   |
|                                                 |            | 1       | 24        | 19.88                | 19.91   | 19.97   | 21.70   |
|                                                 |            | 12      | 0         | 20.11                | 20.24   | 20.41   | 21.70   |
|                                                 |            | 12      | 6         | 20.10                | 20.34   | 20.40   | 21.70   |
|                                                 |            | 12      | 13        | 20.14                | 20.26   | 20.37   | 21.70   |
|                                                 |            | 25      | 0         | 20.06                | 20.32   | 20.34   | 21.70   |
|                                                 | 16QAM      | 1       | 0         | 20.14                | 20.40   | 20.22   | 21.70   |
|                                                 |            | 1       | 13        | 20.30                | 20.46   | 20.50   | 21.70   |
|                                                 |            | 1       | 24        | 20.20                | 20.32   | 20.29   | 21.70   |
|                                                 |            | 12      | 0         | 20.15                | 20.28   | 20.31   | 21.70   |
|                                                 |            | 12      | 6         | 20.19                | 20.31   | 20.32   | 21.70   |
|                                                 |            | 12      | 13        | 20.36                | 20.35   | 20.18   | 21.70   |
|                                                 |            | 25      | 0         | 20.12                | 20.35   | 20.28   | 21.70   |
|                                                 | 64QAM      | 1       | 0         | 20.31                | 20.35   | 20.07   | 21.70   |
|                                                 |            | 1       | 13        | 20.04                | 20.07   | 20.26   | 21.70   |
|                                                 |            | 1       | 24        | 20.20                | 20.13   | 19.76   | 21.70   |
|                                                 |            | 12      | 0         | 20.21                | 20.06   | 20.24   | 21.70   |
|                                                 |            | 12      | 6         | 20.20                | 20.14   | 20.30   | 21.70   |
|                                                 |            | 12      | 13        | 20.00                | 19.97   | 20.41   | 21.70   |
|                                                 |            | 25      | 0         | 20.05                | 19.95   | 20.15   | 21.70   |
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                 |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                                           | QPSK       | 1       | 0         | 19.79                | 19.94   | 20.00   | 21.70   |
|                                                 |            | 1       | 25        | 20.31                | 20.15   | 20.33   | 21.70   |
|                                                 |            | 1       | 49        | 19.92                | 19.83   | 20.00   | 21.70   |
|                                                 |            | 25      | 0         | 20.11                | 20.23   | 20.43   | 21.70   |
|                                                 |            | 25      | 13        | 20.17                | 20.25   | 20.48   | 21.70   |
|                                                 |            | 25      | 25        | 20.19                | 20.19   | 20.38   | 21.70   |
|                                                 |            | 50      | 0         | 20.17                | 20.21   | 20.42   | 21.70   |
|                                                 | 16QAM      | 1       | 0         | 19.82                | 20.26   | 19.98   | 21.70   |
|                                                 |            | 1       | 25        | 20.40                | 20.49   | 20.50   | 21.70   |
|                                                 |            | 1       | 49        | 20.43                | 19.92   | 20.47   | 21.70   |
|                                                 |            | 25      | 0         | 20.24                | 20.29   | 20.27   | 21.70   |
|                                                 |            | 25      | 13        | 20.23                | 20.32   | 20.14   | 21.70   |
|                                                 |            | 25      | 25        | 20.14                | 20.27   | 20.18   | 21.70   |
|                                                 |            | 50      | 0         | 20.12                | 20.20   | 20.27   | 21.70   |
|                                                 | 64QAM      | 1       | 0         | 19.77                | 19.79   | 20.34   | 21.70   |
|                                                 |            | 1       | 25        | 20.41                | 19.87   | 20.42   | 21.70   |
|                                                 |            | 1       | 49        | 20.23                | 20.03   | 20.14   | 21.70   |
|                                                 |            | 25      | 0         | 20.02                | 20.02   | 20.24   | 21.70   |
|                                                 |            | 25      | 13        | 19.96                | 19.98   | 20.19   | 21.70   |
|                                                 |            | 25      | 25        | 19.81                | 20.04   | 20.07   | 21.70   |
|                                                 |            | 50      | 0         | 19.93                | 19.93   | 20.32   | 21.70   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel      | Tune up |
|-----------|------------|---------|-----------|--------------|---------|--------------|---------|
|           |            |         |           | 20825        | 21100   | 21375        |         |
| 15MHz     | QPSK       | 1       | 0         | 19.99        | 19.94   | 20.09        | 21.70   |
|           |            | 1       | 38        | 19.83        | 19.86   | 20.02        | 21.70   |
|           |            | 1       | 74        | 19.94        | 19.89   | 20.03        | 21.70   |
|           |            | 36      | 0         | 20.15        | 20.19   | 20.50        | 21.70   |
|           |            | 36      | 18        | 20.19        | 20.26   | 20.44        | 21.70   |
|           |            | 36      | 39        | 20.24        | 20.24   | 20.34        | 21.70   |
|           |            | 75      | 0         | 20.15        | 20.22   | 20.48        | 21.70   |
|           | 16QAM      | 1       | 0         | 19.98        | 20.44   | 20.27        | 21.70   |
|           |            | 1       | 38        | 20.22        | 20.19   | 20.01        | 21.70   |
|           |            | 1       | 74        | 20.34        | 20.00   | 20.35        | 21.70   |
|           |            | 36      | 0         | 20.26        | 20.27   | 20.27        | 21.70   |
|           |            | 36      | 18        | 20.31        | 20.24   | 20.27        | 21.70   |
|           |            | 36      | 39        | 20.41        | 20.27   | 20.17        | 21.70   |
|           |            | 75      | 0         | 20.14        | 20.32   | 20.24        | 21.70   |
|           | 64QAM      | 1       | 0         | 20.04        | 20.19   | 19.98        | 21.70   |
|           |            | 1       | 38        | 19.98        | 19.93   | 20.43        | 21.70   |
|           |            | 1       | 74        | 19.92        | 20.02   | 20.24        | 21.70   |
|           |            | 36      | 0         | 20.01        | 20.04   | 20.31        | 21.70   |
|           |            | 36      | 18        | 20.06        | 20.07   | 20.20        | 21.70   |
|           |            | 36      | 39        | 19.95        | 20.08   | 20.41        | 21.70   |
|           |            | 75      | 0         | 20.02        | 20.01   | 20.28        | 21.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel      | Tune up |
|           |            |         |           | 20850        | 21100   | 21350        |         |
| 20MHz     | QPSK       | 1       | 0         | 19.90        | 19.86   | 20.01        | 21.70   |
|           |            | 1       | 50        | 20.02        | 20.10   | 20.12        | 21.70   |
|           |            | 1       | 99        | <b>20.35</b> | 20.20   | 20.23        | 21.70   |
|           |            | 50      | 0         | 20.23        | 20.23   | 20.48        | 21.70   |
|           |            | 50      | 25        | 20.22        | 20.14   | 20.41        | 21.70   |
|           |            | 50      | 50        | 20.23        | 20.31   | <b>20.50</b> | 21.70   |
|           |            | 100     | 0         | 20.35        | 20.40   | 20.33        | 21.70   |
|           | 16QAM      | 1       | 0         | 20.33        | 19.88   | 20.13        | 21.70   |
|           |            | 1       | 50        | 20.24        | 20.44   | 20.51        | 21.70   |
|           |            | 1       | 99        | 20.44        | 20.46   | 20.46        | 21.70   |
|           |            | 50      | 0         | 20.25        | 20.29   | 20.30        | 21.70   |
|           |            | 50      | 25        | 20.24        | 20.35   | 20.19        | 21.70   |
|           |            | 50      | 50        | 20.37        | 20.46   | 20.19        | 21.70   |
|           |            | 100     | 0         | 20.08        | 20.10   | 20.39        | 21.70   |
|           | 64QAM      | 1       | 0         | 20.06        | 19.82   | 19.81        | 21.70   |
|           |            | 1       | 50        | 20.46        | 20.15   | 20.26        | 21.70   |
|           |            | 1       | 99        | 20.20        | 20.06   | 20.36        | 21.70   |
|           |            | 50      | 0         | 20.00        | 20.03   | 20.21        | 21.70   |
|           |            | 50      | 25        | 20.00        | 20.04   | 20.34        | 21.70   |
|           |            | 50      | 50        | 19.98        | 20.06   | 20.30        | 21.70   |
|           |            | 100     | 0         | 20.18        | 20.01   | 20.25        | 21.70   |



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|-----------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| LTE Band 7 WiFi 5G(Rec on)/WiFi 5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                               |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                                          | QPSK       | 1       | 0         | 14.61                | 14.65   | 14.50   | 16.20   |
|                                               |            | 1       | 13        | 14.68                | 14.70   | 14.59   | 16.20   |
|                                               |            | 1       | 24        | 14.55                | 14.51   | 14.65   | 16.20   |
|                                               |            | 12      | 0         | 14.82                | 14.75   | 15.02   | 16.20   |
|                                               |            | 12      | 6         | 14.74                | 14.77   | 15.00   | 16.20   |
|                                               |            | 12      | 13        | 14.79                | 14.88   | 14.88   | 16.20   |
|                                               |            | 25      | 0         | 14.85                | 14.95   | 14.95   | 16.20   |
|                                               | 16QAM      | 1       | 0         | 14.43                | 14.87   | 14.97   | 16.20   |
|                                               |            | 1       | 13        | 14.63                | 14.95   | 14.48   | 16.20   |
|                                               |            | 1       | 24        | 14.54                | 15.05   | 14.81   | 16.20   |
|                                               |            | 12      | 0         | 14.65                | 14.85   | 15.06   | 16.20   |
|                                               |            | 12      | 6         | 14.73                | 14.87   | 14.89   | 16.20   |
|                                               |            | 12      | 13        | 14.73                | 14.83   | 14.82   | 16.20   |
|                                               |            | 25      | 0         | 14.76                | 14.88   | 14.85   | 16.20   |
|                                               | 64QAM      | 1       | 0         | 14.66                | 14.42   | 14.78   | 16.20   |
|                                               |            | 1       | 13        | 14.57                | 14.68   | 14.52   | 16.20   |
|                                               |            | 1       | 24        | 14.58                | 14.65   | 14.63   | 16.20   |
|                                               |            | 12      | 0         | 14.72                | 14.65   | 15.03   | 16.20   |
|                                               |            | 12      | 6         | 14.63                | 14.61   | 14.87   | 16.20   |
|                                               |            | 12      | 13        | 14.68                | 14.81   | 14.88   | 16.20   |
|                                               |            | 25      | 0         | 14.79                | 14.62   | 14.84   | 16.20   |
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                               |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                                         | QPSK       | 1       | 0         | 14.59                | 14.65   | 14.59   | 16.20   |
|                                               |            | 1       | 25        | 14.76                | 14.92   | 14.69   | 16.20   |
|                                               |            | 1       | 49        | 14.53                | 14.59   | 14.46   | 16.20   |
|                                               |            | 25      | 0         | 14.76                | 14.79   | 14.87   | 16.20   |
|                                               |            | 25      | 13        | 14.67                | 14.79   | 14.86   | 16.20   |
|                                               |            | 25      | 25        | 14.83                | 14.85   | 14.91   | 16.20   |
|                                               |            | 50      | 0         | 14.74                | 14.68   | 14.98   | 16.20   |
|                                               | 16QAM      | 1       | 0         | 14.82                | 14.60   | 15.11   | 16.20   |
|                                               |            | 1       | 25        | 15.21                | 14.82   | 15.30   | 16.20   |
|                                               |            | 1       | 49        | 14.92                | 14.87   | 14.96   | 16.20   |
|                                               |            | 25      | 0         | 14.81                | 14.77   | 14.92   | 16.20   |
|                                               |            | 25      | 13        | 14.70                | 14.74   | 14.85   | 16.20   |
|                                               |            | 25      | 25        | 14.73                | 14.71   | 14.89   | 16.20   |
|                                               |            | 50      | 0         | 14.78                | 14.65   | 14.86   | 16.20   |
|                                               | 64QAM      | 1       | 0         | 14.51                | 14.66   | 14.72   | 16.20   |
|                                               |            | 1       | 25        | 14.58                | 15.00   | 15.17   | 16.20   |
|                                               |            | 1       | 49        | 14.54                | 14.56   | 14.89   | 16.20   |
|                                               |            | 25      | 0         | 14.76                | 14.71   | 14.81   | 16.20   |
|                                               |            | 25      | 13        | 14.73                | 14.60   | 14.79   | 16.20   |
|                                               |            | 25      | 25        | 14.65                | 14.70   | 14.91   | 16.20   |
|                                               |            | 50      | 0         | 14.66                | 14.66   | 14.89   | 16.20   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.50   | 14.69   | 14.68   | 16.20   |
|           |            | 1       | 38        | 14.55   | 14.61   | 14.75   | 16.20   |
|           |            | 1       | 74        | 14.50   | 14.50   | 14.61   | 16.20   |
|           |            | 36      | 0         | 14.71   | 14.82   | 15.00   | 16.20   |
|           |            | 36      | 18        | 14.75   | 14.74   | 15.00   | 16.20   |
|           |            | 36      | 39        | 14.78   | 14.94   | 15.04   | 16.20   |
|           |            | 75      | 0         | 14.85   | 14.72   | 14.99   | 16.20   |
|           | 16QAM      | 1       | 0         | 14.80   | 14.47   | 14.93   | 16.20   |
|           |            | 1       | 38        | 14.87   | 14.70   | 14.73   | 16.20   |
|           |            | 1       | 74        | 14.76   | 14.73   | 15.16   | 16.20   |
|           |            | 36      | 0         | 14.78   | 14.88   | 14.95   | 16.20   |
|           |            | 36      | 18        | 14.81   | 14.82   | 14.92   | 16.20   |
|           |            | 36      | 39        | 14.85   | 14.78   | 14.89   | 16.20   |
|           |            | 75      | 0         | 14.81   | 14.67   | 14.77   | 16.20   |
|           | 64QAM      | 1       | 0         | 14.43   | 14.56   | 14.64   | 16.20   |
|           |            | 1       | 38        | 14.54   | 14.82   | 14.52   | 16.20   |
|           |            | 1       | 74        | 14.42   | 14.47   | 14.77   | 16.20   |
|           |            | 36      | 0         | 14.77   | 14.66   | 14.91   | 16.20   |
|           |            | 36      | 18        | 14.75   | 14.71   | 14.90   | 16.20   |
|           |            | 36      | 39        | 14.78   | 14.86   | 14.85   | 16.20   |
|           |            | 75      | 0         | 14.75   | 14.60   | 14.81   | 16.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.62   | 14.53   | 14.64   | 16.20   |
|           |            | 1       | 50        | 14.71   | 14.87   | 14.76   | 16.20   |
|           |            | 1       | 99        | 14.61   | 14.68   | 14.88   | 16.20   |
|           |            | 50      | 0         | 14.86   | 14.82   | 15.05   | 16.20   |
|           |            | 50      | 25        | 14.71   | 14.71   | 14.94   | 16.20   |
|           |            | 50      | 50        | 14.89   | 14.93   | 15.07   | 16.20   |
|           |            | 100     | 0         | 14.86   | 14.83   | 15.04   | 16.20   |
|           | 16QAM      | 1       | 0         | 14.65   | 14.79   | 14.89   | 16.20   |
|           |            | 1       | 50        | 15.32   | 14.73   | 15.32   | 16.20   |
|           |            | 1       | 99        | 15.29   | 14.92   | 14.77   | 16.20   |
|           |            | 50      | 0         | 14.83   | 14.87   | 14.74   | 16.20   |
|           |            | 50      | 25        | 14.76   | 14.67   | 14.83   | 16.20   |
|           |            | 50      | 50        | 14.73   | 14.83   | 14.85   | 16.20   |
|           |            | 100     | 0         | 14.87   | 14.66   | 14.83   | 16.20   |
|           | 64QAM      | 1       | 0         | 14.57   | 14.51   | 14.70   | 16.20   |
|           |            | 1       | 50        | 14.79   | 14.96   | 14.44   | 16.20   |
|           |            | 1       | 99        | 14.67   | 14.48   | 14.89   | 16.20   |
|           |            | 50      | 0         | 14.62   | 14.71   | 14.78   | 16.20   |
|           |            | 50      | 25        | 14.69   | 14.67   | 14.68   | 16.20   |
|           |            | 50      | 50        | 14.75   | 14.83   | 14.87   | 16.20   |
|           |            | 100     | 0         | 14.81   | 14.70   | 14.85   | 16.20   |

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|----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Receiver on/Receiver on+BT |            |         |           |                      |         |         |         |
| LTE Band 7                 |            |         |           | Conducted Power(dBm) |         |         |         |
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                       | QPSK       | 1       | 0         | 19.67                | 19.66   | 19.70   | 21.20   |
|                            |            | 1       | 13        | 19.61                | 19.49   | 19.81   | 21.20   |
|                            |            | 1       | 24        | 19.48                | 19.45   | 19.69   | 21.20   |
|                            |            | 12      | 0         | 19.75                | 19.97   | 20.06   | 21.20   |
|                            |            | 12      | 6         | 19.83                | 19.89   | 20.06   | 21.20   |
|                            |            | 12      | 13        | 19.79                | 19.90   | 20.07   | 21.20   |
|                            |            | 25      | 0         | 19.78                | 19.93   | 19.99   | 21.20   |
|                            | 16QAM      | 1       | 0         | 19.87                | 19.61   | 19.93   | 21.20   |
|                            |            | 1       | 13        | 19.92                | 19.86   | 19.91   | 21.20   |
|                            |            | 1       | 24        | 19.89                | 19.97   | 19.85   | 21.20   |
|                            |            | 12      | 0         | 19.89                | 19.93   | 20.03   | 21.20   |
|                            |            | 12      | 6         | 19.84                | 19.85   | 19.99   | 21.20   |
|                            |            | 12      | 13        | 19.70                | 19.94   | 19.86   | 21.20   |
|                            |            | 25      | 0         | 19.70                | 19.91   | 19.94   | 21.20   |
|                            | 64QAM      | 1       | 0         | 19.83                | 19.59   | 19.99   | 21.20   |
|                            |            | 1       | 13        | 19.98                | 19.90   | 19.93   | 21.20   |
|                            |            | 1       | 24        | 19.84                | 19.94   | 19.87   | 21.20   |
|                            |            | 12      | 0         | 19.85                | 19.87   | 20.09   | 21.20   |
|                            |            | 12      | 6         | 19.77                | 19.82   | 19.92   | 21.20   |
|                            |            | 12      | 13        | 19.66                | 19.87   | 19.83   | 21.20   |
|                            |            | 25      | 0         | 19.75                | 19.88   | 19.98   | 21.20   |
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                      | QPSK       | 1       | 0         | 19.52                | 19.62   | 19.63   | 21.20   |
|                            |            | 1       | 25        | 19.71                | 19.88   | 19.76   | 21.20   |
|                            |            | 1       | 49        | 19.47                | 19.66   | 19.64   | 21.20   |
|                            |            | 25      | 0         | 19.80                | 19.82   | 20.02   | 21.20   |
|                            |            | 25      | 13        | 19.75                | 19.95   | 19.98   | 21.20   |
|                            |            | 25      | 25        | 19.62                | 19.95   | 20.03   | 21.20   |
|                            |            | 50      | 0         | 19.66                | 19.92   | 20.05   | 21.20   |
|                            | 16QAM      | 1       | 0         | 19.66                | 19.78   | 19.89   | 21.20   |
|                            |            | 1       | 25        | 19.47                | 19.90   | 20.04   | 21.20   |
|                            |            | 1       | 49        | 19.75                | 19.66   | 19.80   | 21.20   |
|                            |            | 25      | 0         | 19.86                | 19.95   | 20.02   | 21.20   |
|                            |            | 25      | 13        | 19.83                | 19.87   | 19.96   | 21.20   |
|                            |            | 25      | 25        | 19.73                | 19.88   | 19.83   | 21.20   |
|                            |            | 50      | 0         | 19.79                | 19.98   | 19.90   | 21.20   |
|                            | 64QAM      | 1       | 0         | 19.68                | 19.83   | 19.89   | 21.20   |
|                            |            | 1       | 25        | 19.40                | 19.83   | 19.97   | 21.20   |
|                            |            | 1       | 49        | 19.77                | 19.70   | 19.75   | 21.20   |
|                            |            | 25      | 0         | 19.82                | 19.89   | 20.01   | 21.20   |
|                            |            | 25      | 13        | 19.81                | 19.81   | 19.91   | 21.20   |
|                            |            | 25      | 25        | 19.70                | 19.84   | 19.89   | 21.20   |
|                            |            | 50      | 0         | 19.80                | 20.03   | 19.85   | 21.20   |



| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.77   | 19.45   | 19.74   | 21.20   |
|           |            | 1       | 38        | 19.62   | 19.71   | 19.62   | 21.20   |
|           |            | 1       | 74        | 19.54   | 19.55   | 19.68   | 21.20   |
|           |            | 36      | 0         | 19.80   | 19.86   | 20.08   | 21.20   |
|           |            | 36      | 18        | 19.72   | 19.96   | 20.00   | 21.20   |
|           |            | 36      | 39        | 19.77   | 19.91   | 19.86   | 21.20   |
|           |            | 75      | 0         | 19.72   | 19.95   | 19.99   | 21.20   |
|           | 16QAM      | 1       | 0         | 19.63   | 19.65   | 19.85   | 21.20   |
|           |            | 1       | 38        | 19.98   | 19.67   | 19.80   | 21.20   |
|           |            | 1       | 74        | 19.87   | 19.96   | 20.00   | 21.20   |
|           |            | 36      | 0         | 19.75   | 19.81   | 19.96   | 21.20   |
|           |            | 36      | 18        | 19.75   | 19.88   | 19.97   | 21.20   |
|           |            | 36      | 39        | 19.76   | 19.95   | 20.00   | 21.20   |
|           |            | 75      | 0         | 19.80   | 19.78   | 19.94   | 21.20   |
|           | 64QAM      | 1       | 0         | 19.61   | 19.59   | 19.86   | 21.20   |
|           |            | 1       | 38        | 19.97   | 19.73   | 19.73   | 21.20   |
|           |            | 1       | 74        | 19.82   | 19.93   | 20.06   | 21.20   |
|           |            | 36      | 0         | 19.69   | 19.83   | 19.95   | 21.20   |
|           |            | 36      | 18        | 19.72   | 19.84   | 19.96   | 21.20   |
|           |            | 36      | 39        | 19.72   | 19.91   | 20.01   | 21.20   |
|           |            | 75      | 0         | 19.74   | 19.75   | 19.89   | 21.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 19.85   | 20.00   | 20.17   | 21.20   |
|           |            | 1       | 50        | 19.84   | 19.94   | 19.94   | 21.20   |
|           |            | 1       | 99        | 19.93   | 19.92   | 20.02   | 21.20   |
|           |            | 50      | 0         | 19.66   | 19.56   | 19.56   | 21.20   |
|           |            | 50      | 25        | 19.78   | 19.83   | 19.79   | 21.20   |
|           |            | 50      | 50        | 19.78   | 19.75   | 19.89   | 21.20   |
|           |            | 100     | 0         | 19.90   | 20.00   | 19.99   | 21.20   |
|           | 16QAM      | 1       | 0         | 19.74   | 20.13   | 20.05   | 21.20   |
|           |            | 1       | 50        | 19.84   | 20.10   | 20.16   | 21.20   |
|           |            | 1       | 99        | 19.65   | 19.70   | 19.80   | 21.20   |
|           |            | 50      | 0         | 19.95   | 19.90   | 20.04   | 21.20   |
|           |            | 50      | 25        | 19.80   | 19.94   | 19.91   | 21.20   |
|           |            | 50      | 50        | 19.87   | 20.01   | 20.02   | 21.20   |
|           |            | 100     | 0         | 19.86   | 19.74   | 20.04   | 21.20   |
|           | 64QAM      | 1       | 0         | 19.67   | 20.14   | 20.08   | 21.20   |
|           |            | 1       | 50        | 19.81   | 20.05   | 20.13   | 21.20   |
|           |            | 1       | 99        | 19.62   | 19.67   | 19.83   | 21.20   |
|           |            | 50      | 0         | 19.96   | 19.88   | 20.00   | 21.20   |
|           |            | 50      | 25        | 19.75   | 19.94   | 19.96   | 21.20   |
|           |            | 50      | 50        | 19.93   | 20.07   | 19.99   | 21.20   |
|           |            | 100     | 0         | 19.89   | 19.75   | 20.07   | 21.20   |



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|-------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |            |         |           |                      |         |         |         |
| LTE Band 7                                                                          |            |         |           | Conducted Power(dBm) |         |         |         |
| Bandwidth                                                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                     |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                                                                                | QPSK       | 1       | 0         | 15.89                | 15.79   | 16.18   | 17.20   |
|                                                                                     |            | 1       | 13        | 16.04                | 16.13   | 16.14   | 17.20   |
|                                                                                     |            | 1       | 24        | 15.96                | 16.01   | 15.86   | 17.20   |
|                                                                                     |            | 12      | 0         | 16.27                | 16.45   | 16.27   | 17.20   |
|                                                                                     |            | 12      | 6         | 16.34                | 16.41   | 16.27   | 17.20   |
|                                                                                     |            | 12      | 13        | 16.42                | 16.34   | 16.41   | 17.20   |
|                                                                                     |            | 25      | 0         | 16.34                | 16.47   | 16.31   | 17.20   |
|                                                                                     | 16QAM      | 1       | 0         | 16.12                | 16.03   | 16.39   | 17.20   |
|                                                                                     |            | 1       | 13        | 16.27                | 16.47   | 16.35   | 17.20   |
|                                                                                     |            | 1       | 24        | 15.98                | 16.31   | 16.37   | 17.20   |
|                                                                                     |            | 12      | 0         | 16.07                | 16.19   | 16.47   | 17.20   |
|                                                                                     |            | 12      | 6         | 16.13                | 16.38   | 16.34   | 17.20   |
|                                                                                     |            | 12      | 13        | 16.11                | 16.00   | 16.34   | 17.20   |
|                                                                                     |            | 25      | 0         | 16.12                | 16.17   | 16.45   | 17.20   |
|                                                                                     | 64QAM      | 1       | 0         | 16.12                | 15.96   | 16.40   | 17.20   |
|                                                                                     |            | 1       | 13        | 16.23                | 16.44   | 16.36   | 17.20   |
|                                                                                     |            | 1       | 24        | 15.92                | 16.36   | 16.37   | 17.20   |
|                                                                                     |            | 12      | 0         | 16.05                | 16.16   | 16.44   | 17.20   |
|                                                                                     |            | 12      | 6         | 16.19                | 16.39   | 16.27   | 17.20   |
|                                                                                     |            | 12      | 13        | 16.15                | 16.05   | 16.32   | 17.20   |
|                                                                                     |            | 25      | 0         | 16.05                | 16.18   | 16.41   | 17.20   |
| Bandwidth                                                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                     |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                                                                               | QPSK       | 1       | 0         | 16.04                | 16.03   | 16.06   | 17.20   |
|                                                                                     |            | 1       | 25        | 16.41                | 16.22   | 16.35   | 17.20   |
|                                                                                     |            | 1       | 49        | 15.96                | 15.90   | 15.88   | 17.20   |
|                                                                                     |            | 25      | 0         | 16.39                | 16.39   | 16.22   | 17.20   |
|                                                                                     |            | 25      | 13        | 16.23                | 16.39   | 16.17   | 17.20   |
|                                                                                     |            | 25      | 25        | 16.21                | 16.33   | 16.27   | 17.20   |
|                                                                                     |            | 50      | 0         | 16.29                | 16.38   | 16.25   | 17.20   |
|                                                                                     | 16QAM      | 1       | 0         | 16.29                | 16.24   | 16.47   | 17.20   |
|                                                                                     |            | 1       | 25        | 16.16                | 16.39   | 16.32   | 17.20   |
|                                                                                     |            | 1       | 49        | 16.42                | 16.37   | 16.26   | 17.20   |
|                                                                                     |            | 25      | 0         | 16.07                | 16.18   | 16.43   | 17.20   |
|                                                                                     |            | 25      | 13        | 16.17                | 16.20   | 16.43   | 17.20   |
|                                                                                     |            | 25      | 25        | 16.02                | 16.10   | 16.22   | 17.20   |
|                                                                                     |            | 50      | 0         | 15.96                | 16.11   | 16.31   | 17.20   |
|                                                                                     | 64QAM      | 1       | 0         | 16.30                | 16.25   | 16.43   | 17.20   |
|                                                                                     |            | 1       | 25        | 16.15                | 16.41   | 16.58   | 17.20   |
|                                                                                     |            | 1       | 49        | 16.45                | 16.36   | 16.24   | 17.20   |



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|           |            | 25      | 0         | 16.02   | 16.15   | 16.44   | 17.20   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 16.18   | 16.14   | 16.49   | 17.20   |
|           |            | 25      | 25        | 16.07   | 16.04   | 16.21   | 17.20   |
|           |            | 50      | 0         | 15.91   | 16.15   | 16.32   | 17.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.90   | 15.96   | 15.84   | 17.20   |
|           |            | 1       | 38        | 16.04   | 16.13   | 16.39   | 17.20   |
|           |            | 1       | 74        | 15.95   | 15.93   | 15.92   | 17.20   |
|           |            | 36      | 0         | 16.32   | 16.42   | 16.35   | 17.20   |
|           |            | 36      | 18        | 16.33   | 16.41   | 16.30   | 17.20   |
|           |            | 36      | 39        | 16.41   | 16.40   | 16.34   | 17.20   |
|           |            | 75      | 0         | 16.31   | 16.42   | 16.24   | 17.20   |
|           | 16QAM      | 1       | 0         | 16.25   | 16.20   | 16.52   | 17.20   |
|           |            | 1       | 38        | 15.85   | 16.57   | 16.18   | 17.20   |
|           |            | 1       | 74        | 16.14   | 16.43   | 16.14   | 17.20   |
|           |            | 36      | 0         | 16.09   | 16.15   | 16.53   | 17.20   |
|           |            | 36      | 18        | 16.06   | 16.14   | 16.30   | 17.20   |
|           |            | 36      | 39        | 15.92   | 16.17   | 16.44   | 17.20   |
|           |            | 75      | 0         | 16.03   | 16.18   | 16.48   | 17.20   |
|           | 64QAM      | 1       | 0         | 16.29   | 16.23   | 16.58   | 17.20   |
|           |            | 1       | 38        | 15.88   | 16.39   | 16.17   | 17.20   |
|           |            | 1       | 74        | 16.09   | 16.48   | 16.11   | 17.20   |
|           |            | 36      | 0         | 16.08   | 16.13   | 16.46   | 17.20   |
|           |            | 36      | 18        | 16.00   | 16.09   | 16.25   | 17.20   |
|           |            | 36      | 39        | 15.89   | 16.13   | 16.37   | 17.20   |
|           |            | 75      | 0         | 16.04   | 16.16   | 16.41   | 17.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.90   | 15.96   | 16.00   | 17.20   |
|           |            | 1       | 50        | 16.28   | 16.08   | 16.57   | 17.20   |
|           |            | 1       | 99        | 16.05   | 15.98   | 16.24   | 17.20   |
|           |            | 50      | 0         | 16.28   | 16.32   | 16.37   | 17.20   |
|           |            | 50      | 25        | 16.27   | 16.32   | 16.28   | 17.20   |
|           |            | 50      | 50        | 16.25   | 16.53   | 16.41   | 17.20   |
|           |            | 100     | 0         | 16.18   | 16.27   | 16.51   | 17.20   |
|           | 16QAM      | 1       | 0         | 16.18   | 16.15   | 16.29   | 17.20   |
|           |            | 1       | 50        | 16.29   | 16.33   | 16.53   | 17.20   |
|           |            | 1       | 99        | 16.36   | 16.36   | 16.58   | 17.20   |
|           |            | 50      | 0         | 16.02   | 16.19   | 16.44   | 17.20   |
|           |            | 50      | 25        | 16.04   | 16.08   | 16.33   | 17.20   |
|           |            | 50      | 50        | 16.00   | 16.36   | 16.44   | 17.20   |
|           |            | 100     | 0         | 16.28   | 16.29   | 16.41   | 17.20   |
|           | 64QAM      | 1       | 0         | 16.24   | 16.15   | 16.24   | 17.20   |
|           |            | 1       | 50        | 16.31   | 16.35   | 16.53   | 17.20   |
|           |            | 1       | 99        | 16.41   | 16.32   | 16.52   | 17.20   |
|           |            | 50      | 0         | 15.96   | 16.23   | 16.50   | 17.20   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 50  | 25 | 16.08 | 16.04 | 16.31 | 17.20 |
|  |  | 50  | 50 | 16.01 | 16.32 | 16.48 | 17.20 |
|  |  | 100 | 0  | 16.30 | 16.29 | 16.43 | 17.20 |

| MCC of CE country                  |            |         |           |                      |         |         |         |
|------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| WiFi 5G(Rec on)/WiFi 5G(Rec on)+BT |            |         |           |                      |         |         |         |
| LTE Band 7                         |            |         |           | Conducted Power(dBm) |         |         |         |
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 20775                | 21100   | 21425   |         |
| 5MHz                               | QPSK       | 1       | 0         | 18.87                | 18.82   | 19.22   | 20.20   |
|                                    |            | 1       | 13        | 19.07                | 19.12   | 19.15   | 20.20   |
|                                    |            | 1       | 24        | 18.97                | 19.03   | 18.89   | 20.20   |
|                                    |            | 12      | 0         | 19.31                | 19.44   | 19.28   | 20.20   |
|                                    |            | 12      | 6         | 19.33                | 19.45   | 19.25   | 20.20   |
|                                    |            | 12      | 13        | 19.44                | 19.37   | 19.45   | 20.20   |
|                                    |            | 25      | 0         | 19.36                | 19.49   | 19.34   | 20.20   |
|                                    | 16QAM      | 1       | 0         | 19.15                | 19.05   | 19.37   | 20.20   |
|                                    |            | 1       | 13        | 19.25                | 19.49   | 19.28   | 20.20   |
|                                    |            | 1       | 24        | 18.99                | 19.33   | 19.38   | 20.20   |
|                                    |            | 12      | 0         | 19.08                | 19.22   | 19.45   | 20.20   |
|                                    |            | 12      | 6         | 19.13                | 19.37   | 19.36   | 20.20   |
|                                    |            | 12      | 13        | 19.13                | 19.04   | 19.35   | 20.20   |
|                                    |            | 25      | 0         | 19.15                | 19.16   | 19.46   | 20.20   |
|                                    | 64QAM      | 1       | 0         | 19.08                | 19.09   | 19.38   | 20.20   |
|                                    |            | 1       | 13        | 19.31                | 19.50   | 19.37   | 20.20   |
|                                    |            | 1       | 24        | 19.05                | 19.37   | 19.34   | 20.20   |
|                                    |            | 12      | 0         | 19.12                | 19.15   | 19.50   | 20.20   |
|                                    |            | 12      | 6         | 19.17                | 19.34   | 19.30   | 20.20   |
|                                    |            | 12      | 13        | 19.11                | 19.04   | 19.38   | 20.20   |
|                                    |            | 25      | 0         | 19.10                | 19.19   | 19.44   | 20.20   |
| Bandwidth                          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                    |            |         |           | 20800                | 21100   | 21400   |         |
| 10MHz                              | QPSK       | 1       | 0         | 19.02                | 19.06   | 19.04   | 20.20   |
|                                    |            | 1       | 25        | 19.42                | 19.20   | 19.36   | 20.20   |
|                                    |            | 1       | 49        | 18.97                | 18.93   | 18.92   | 20.20   |
|                                    |            | 25      | 0         | 19.39                | 19.42   | 19.24   | 20.20   |
|                                    |            | 25      | 13        | 19.25                | 19.43   | 19.20   | 20.20   |
|                                    |            | 25      | 25        | 19.24                | 19.33   | 19.26   | 20.20   |
|                                    |            | 50      | 0         | 19.27                | 19.38   | 19.26   | 20.20   |
|                                    | 16QAM      | 1       | 0         | 19.32                | 19.28   | 19.46   | 20.20   |
|                                    |            | 1       | 25        | 19.20                | 19.29   | 19.60   | 20.20   |
|                                    |            | 1       | 49        | 19.40                | 19.35   | 19.25   | 20.20   |
|                                    |            | 25      | 0         | 19.10                | 19.18   | 19.42   | 20.20   |
|                                    |            | 25      | 13        | 19.16                | 19.20   | 19.41   | 20.20   |
|                                    |            | 25      | 25        | 19.00                | 19.14   | 19.24   | 20.20   |
|                                    |            | 50      | 0         | 18.97                | 19.15   | 19.33   | 20.20   |



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|           | 64QAM      | 1       | 0         | 19.26   | 19.26   | 19.51   | 20.20   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 25        | 19.21   | 19.29   | 19.56   | 20.20   |
|           |            | 1       | 49        | 19.34   | 19.31   | 19.30   | 20.20   |
|           |            | 25      | 0         | 19.10   | 19.11   | 19.43   | 20.20   |
|           |            | 25      | 13        | 19.16   | 19.18   | 19.45   | 20.20   |
|           |            | 25      | 25        | 18.98   | 19.15   | 19.26   | 20.20   |
|           |            | 50      | 0         | 18.98   | 19.14   | 19.36   | 20.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20825   | 21100   | 21375   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.92   | 19.00   | 18.88   | 20.20   |
|           |            | 1       | 38        | 19.02   | 19.13   | 19.37   | 20.20   |
|           |            | 1       | 74        | 18.94   | 18.94   | 18.94   | 20.20   |
|           |            | 36      | 0         | 19.30   | 19.41   | 19.33   | 20.20   |
|           |            | 36      | 18        | 19.37   | 19.41   | 19.31   | 20.20   |
|           |            | 36      | 39        | 19.39   | 19.43   | 19.35   | 20.20   |
|           |            | 75      | 0         | 19.30   | 19.45   | 19.28   | 20.20   |
|           | 16QAM      | 1       | 0         | 19.27   | 19.24   | 19.51   | 20.20   |
|           |            | 1       | 38        | 18.88   | 19.57   | 19.20   | 20.20   |
|           |            | 1       | 74        | 19.18   | 19.46   | 19.13   | 20.20   |
|           |            | 36      | 0         | 19.10   | 19.13   | 19.57   | 20.20   |
|           |            | 36      | 18        | 19.04   | 19.16   | 19.30   | 20.20   |
|           |            | 36      | 39        | 18.91   | 19.20   | 19.42   | 20.20   |
|           |            | 75      | 0         | 19.02   | 19.17   | 19.46   | 20.20   |
|           | 64QAM      | 1       | 0         | 19.20   | 19.27   | 19.52   | 20.20   |
|           |            | 1       | 38        | 18.87   | 19.58   | 19.20   | 20.20   |
|           |            | 1       | 74        | 19.18   | 19.50   | 19.19   | 20.20   |
|           |            | 36      | 0         | 19.10   | 19.14   | 19.55   | 20.20   |
|           |            | 36      | 18        | 19.04   | 19.09   | 19.30   | 20.20   |
|           |            | 36      | 39        | 18.94   | 19.17   | 19.47   | 20.20   |
|           |            | 75      | 0         | 19.03   | 19.11   | 19.52   | 20.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20850   | 21100   | 21350   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.90   | 18.94   | 18.98   | 20.20   |
|           |            | 1       | 50        | 19.28   | 19.12   | 19.57   | 20.20   |
|           |            | 1       | 99        | 19.06   | 18.99   | 19.27   | 20.20   |
|           |            | 50      | 0         | 19.27   | 19.35   | 19.38   | 20.20   |
|           |            | 50      | 25        | 19.27   | 19.33   | 19.28   | 20.20   |
|           |            | 50      | 50        | 19.29   | 19.55   | 19.43   | 20.20   |
|           |            | 100     | 0         | 19.17   | 19.27   | 19.53   | 20.20   |
|           | 16QAM      | 1       | 0         | 19.18   | 19.17   | 19.30   | 20.20   |
|           |            | 1       | 50        | 19.29   | 19.35   | 19.54   | 20.20   |
|           |            | 1       | 99        | 19.37   | 19.36   | 19.61   | 20.20   |
|           |            | 50      | 0         | 19.03   | 19.20   | 19.46   | 20.20   |
|           |            | 50      | 25        | 19.06   | 19.09   | 19.33   | 20.20   |
|           |            | 50      | 50        | 19.03   | 19.36   | 19.43   | 20.20   |
|           |            | 100     | 0         | 19.26   | 19.33   | 19.40   | 20.20   |
|           | 64QAM      | 1       | 0         | 19.14   | 19.16   | 19.26   | 20.20   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 1   | 50 | 19.29 | 19.31 | 19.54 | 20.20 |
|  |  | 1   | 99 | 19.36 | 19.38 | 19.54 | 20.20 |
|  |  | 50  | 0  | 19.05 | 19.15 | 19.45 | 20.20 |
|  |  | 50  | 25 | 19.11 | 19.09 | 19.29 | 20.20 |
|  |  | 50  | 50 | 19.01 | 19.34 | 19.41 | 20.20 |
|  |  | 100 | 0  | 19.20 | 19.35 | 19.36 | 20.20 |



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| LTE Band 26 Full Power/Receiver off/Receiver off+BT/WiFi 5G(Rec off)/WiFi 5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                          |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                                                                                   | QPSK       | 1       | 0         | 23.13                | 23.06   | 23.21   | 24.50   |
|                                                                                          |            | 1       | 2         | 23.20                | 23.18   | 23.19   | 24.50   |
|                                                                                          |            | 1       | 5         | 23.11                | 23.08   | 23.35   | 24.50   |
|                                                                                          |            | 3       | 0         | 23.18                | 23.11   | 23.17   | 24.50   |
|                                                                                          |            | 3       | 2         | 23.40                | 23.20   | 23.29   | 24.50   |
|                                                                                          |            | 3       | 3         | 23.22                | 23.16   | 23.32   | 24.50   |
|                                                                                          |            | 6       | 0         | 22.24                | 22.23   | 22.32   | 23.50   |
|                                                                                          | 16QAM      | 1       | 0         | 22.31                | 22.45   | 22.83   | 23.80   |
|                                                                                          |            | 1       | 2         | 22.42                | 22.62   | 22.51   | 23.80   |
|                                                                                          |            | 1       | 5         | 22.66                | 22.17   | 21.82   | 23.80   |
|                                                                                          |            | 3       | 0         | 22.42                | 22.41   | 22.22   | 23.80   |
|                                                                                          |            | 3       | 2         | 22.06                | 22.17   | 22.15   | 23.80   |
|                                                                                          |            | 3       | 3         | 22.20                | 22.10   | 22.18   | 23.80   |
|                                                                                          |            | 6       | 0         | 21.26                | 21.11   | 21.11   | 22.80   |
|                                                                                          | 64QAM      | 1       | 0         | 21.42                | 21.37   | 21.46   | 22.80   |
|                                                                                          |            | 1       | 2         | 21.23                | 20.96   | 21.30   | 22.80   |
|                                                                                          |            | 1       | 5         | 21.10                | 21.70   | 21.28   | 22.80   |
|                                                                                          |            | 3       | 0         | 21.17                | 21.38   | 21.48   | 22.80   |
|                                                                                          |            | 3       | 2         | 21.03                | 21.03   | 21.29   | 22.80   |
|                                                                                          |            | 3       | 3         | 21.32                | 21.37   | 21.20   | 22.80   |
|                                                                                          |            | 6       | 0         | 20.21                | 20.17   | 20.37   | 21.80   |
| Bandwidth                                                                                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                          |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                                                                                     | QPSK       | 1       | 0         | 23.25                | 23.11   | 23.18   | 24.50   |
|                                                                                          |            | 1       | 7         | 23.00                | 23.08   | 23.18   | 24.50   |
|                                                                                          |            | 1       | 14        | 23.19                | 23.09   | 23.19   | 24.50   |
|                                                                                          |            | 8       | 0         | 22.37                | 22.03   | 22.30   | 23.50   |
|                                                                                          |            | 8       | 4         | 22.38                | 22.23   | 22.36   | 23.50   |
|                                                                                          |            | 8       | 7         | 22.29                | 22.06   | 22.13   | 23.50   |
|                                                                                          |            | 15      | 0         | 22.25                | 22.20   | 22.33   | 23.50   |
|                                                                                          | 16QAM      | 1       | 0         | 22.48                | 22.57   | 22.78   | 23.80   |
|                                                                                          |            | 1       | 7         | 22.32                | 22.42   | 22.42   | 23.80   |
|                                                                                          |            | 1       | 14        | 22.53                | 22.35   | 22.57   | 23.80   |
|                                                                                          |            | 8       | 0         | 21.16                | 21.08   | 21.30   | 22.80   |
|                                                                                          |            | 8       | 4         | 21.28                | 21.27   | 21.18   | 22.80   |
|                                                                                          |            | 8       | 7         | 21.18                | 21.02   | 21.41   | 22.80   |
|                                                                                          |            | 15      | 0         | 21.24                | 21.14   | 21.34   | 22.80   |
|                                                                                          | 64QAM      | 1       | 0         | 21.30                | 21.26   | 21.12   | 22.80   |
|                                                                                          |            | 1       | 7         | 21.25                | 21.12   | 21.41   | 22.80   |
|                                                                                          |            | 1       | 14        | 20.87                | 21.40   | 21.50   | 22.80   |
|                                                                                          |            | 8       | 0         | 20.11                | 20.17   | 20.30   | 21.80   |
|                                                                                          |            | 8       | 4         | 20.21                | 19.84   | 20.34   | 21.80   |
|                                                                                          |            | 8       | 7         | 20.01                | 20.06   | 20.24   | 21.80   |
|                                                                                          |            | 15      | 0         | 20.21                | 20.09   | 20.29   | 21.80   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.13   | 23.33   | 23.01   | 24.50   |
|           |            | 1       | 13        | 23.43   | 23.13   | 23.36   | 24.50   |
|           |            | 1       | 24        | 23.28   | 23.12   | 23.10   | 24.50   |
|           |            | 12      | 0         | 22.36   | 22.22   | 22.24   | 23.50   |
|           |            | 12      | 6         | 22.21   | 22.15   | 22.19   | 23.50   |
|           |            | 12      | 13        | 22.29   | 22.24   | 22.20   | 23.50   |
|           |            | 25      | 0         | 22.22   | 22.24   | 22.22   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.51   | 22.22   | 22.44   | 23.80   |
|           |            | 1       | 13        | 22.48   | 22.25   | 21.84   | 23.80   |
|           |            | 1       | 24        | 22.22   | 22.49   | 21.97   | 23.80   |
|           |            | 12      | 0         | 21.32   | 21.17   | 21.24   | 22.80   |
|           |            | 12      | 6         | 21.25   | 21.17   | 21.04   | 22.80   |
|           |            | 12      | 13        | 21.29   | 21.36   | 21.24   | 22.80   |
|           |            | 25      | 0         | 21.14   | 21.21   | 21.13   | 22.80   |
|           | 64QAM      | 1       | 0         | 20.97   | 20.96   | 21.36   | 22.80   |
|           |            | 1       | 13        | 21.73   | 21.49   | 20.86   | 22.80   |
|           |            | 1       | 24        | 21.73   | 21.03   | 21.39   | 22.80   |
|           |            | 12      | 0         | 20.21   | 20.21   | 20.06   | 21.80   |
|           |            | 12      | 6         | 20.31   | 20.26   | 20.08   | 21.80   |
|           |            | 12      | 13        | 20.12   | 20.11   | 20.34   | 21.80   |
|           |            | 25      | 0         | 20.17   | 20.13   | 20.09   | 21.80   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.28   | 23.17   | 23.20   | 24.50   |
|           |            | 1       | 25        | 23.31   | 23.14   | 23.32   | 24.50   |
|           |            | 1       | 49        | 23.24   | 23.11   | 23.09   | 24.50   |
|           |            | 25      | 0         | 22.26   | 22.27   | 22.30   | 23.50   |
|           |            | 25      | 13        | 22.35   | 22.19   | 22.09   | 23.50   |
|           |            | 25      | 25        | 22.22   | 22.27   | 22.07   | 23.50   |
|           |            | 50      | 0         | 22.19   | 22.26   | 22.17   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.18   | 22.36   | 21.83   | 23.80   |
|           |            | 1       | 25        | 22.70   | 22.22   | 22.42   | 23.80   |
|           |            | 1       | 49        | 21.98   | 22.42   | 22.47   | 23.80   |
|           |            | 25      | 0         | 21.16   | 21.20   | 21.24   | 22.80   |
|           |            | 25      | 13        | 21.21   | 21.18   | 21.00   | 22.80   |
|           |            | 25      | 25        | 21.25   | 21.21   | 21.16   | 22.80   |
|           |            | 50      | 0         | 21.16   | 21.08   | 21.02   | 22.80   |
|           | 64QAM      | 1       | 0         | 21.31   | 21.29   | 21.30   | 22.80   |
|           |            | 1       | 25        | 21.15   | 21.17   | 20.88   | 22.80   |
|           |            | 1       | 49        | 21.14   | 21.24   | 21.59   | 22.80   |
|           |            | 25      | 0         | 20.20   | 20.19   | 20.12   | 21.80   |
|           |            | 25      | 13        | 20.20   | 20.06   | 20.17   | 21.80   |
|           |            | 25      | 25        | 20.12   | 20.08   | 20.04   | 21.80   |
|           |            | 50      | 0         | 20.13   | 20.14   | 20.11   | 21.80   |



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| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel      | Channel | Tune up |
|-----------|------------|---------|-----------|--------------|--------------|---------|---------|
|           |            |         |           | 26765        | 26865        | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.14        | 23.15        | 23.03   | 24.50   |
|           |            | 1       | 38        | 23.26        | 23.26        | 23.30   | 24.50   |
|           |            | 1       | 74        | <b>23.31</b> | 23.11        | 23.23   | 24.50   |
|           |            | 36      | 0         | 22.28        | <b>22.35</b> | 22.19   | 23.50   |
|           |            | 36      | 18        | 22.24        | 22.18        | 22.25   | 23.50   |
|           |            | 36      | 39        | 22.25        | 22.11        | 22.23   | 23.50   |
|           |            | 75      | 0         | 22.07        | 22.26        | 22.25   | 23.50   |
|           | 16QAM      | 1       | 0         | 22.20        | 22.38        | 22.34   | 23.80   |
|           |            | 1       | 38        | 22.91        | 22.28        | 22.19   | 23.80   |
|           |            | 1       | 74        | 22.74        | 22.04        | 22.40   | 23.80   |
|           |            | 36      | 0         | 21.31        | 21.19        | 21.21   | 22.80   |
|           |            | 36      | 18        | 21.28        | 21.15        | 21.19   | 22.80   |
|           |            | 36      | 39        | 21.22        | 21.12        | 21.15   | 22.80   |
|           |            | 75      | 0         | 21.22        | 21.26        | 21.17   | 22.80   |
|           | 64QAM      | 1       | 0         | 21.13        | 21.07        | 21.48   | 22.80   |
|           |            | 1       | 38        | 21.67        | 21.66        | 21.39   | 22.80   |
|           |            | 1       | 74        | 21.35        | 21.03        | 21.41   | 22.80   |
|           |            | 36      | 0         | 20.23        | 20.30        | 20.26   | 21.80   |
|           |            | 36      | 18        | 20.08        | 20.16        | 20.25   | 21.80   |
|           |            | 36      | 39        | 20.19        | 20.05        | 19.98   | 21.80   |
|           |            | 75      | 0         | 20.16        | 20.21        | 20.14   | 21.80   |



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| LTE Band 26 Receiver on/Receiver on+BT/WiFi 5G(Receiver on)/WiFi 5G(Receiver on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                     |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                                                                              | QPSK       | 1       | 0         | 19.96                | 19.96   | 19.80   | 21.00   |
|                                                                                     |            | 1       | 2         | 19.86                | 19.80   | 19.75   | 21.00   |
|                                                                                     |            | 1       | 5         | 19.96                | 19.96   | 20.04   | 21.00   |
|                                                                                     |            | 3       | 0         | 19.98                | 19.91   | 20.13   | 21.00   |
|                                                                                     |            | 3       | 2         | 20.04                | 19.92   | 19.95   | 21.00   |
|                                                                                     |            | 3       | 3         | 20.08                | 19.91   | 19.98   | 21.00   |
|                                                                                     |            | 6       | 0         | 20.01                | 19.82   | 19.88   | 21.00   |
|                                                                                     | 16QAM      | 1       | 0         | 20.19                | 19.99   | 19.43   | 21.00   |
|                                                                                     |            | 1       | 2         | 20.12                | 19.49   | 20.19   | 21.00   |
|                                                                                     |            | 1       | 5         | 20.21                | 20.35   | 20.41   | 21.00   |
|                                                                                     |            | 3       | 0         | 20.17                | 19.95   | 20.06   | 21.00   |
|                                                                                     |            | 3       | 2         | 20.11                | 20.03   | 19.90   | 21.00   |
|                                                                                     |            | 3       | 3         | 20.10                | 20.02   | 20.14   | 21.00   |
|                                                                                     |            | 6       | 0         | 19.87                | 19.80   | 20.28   | 21.00   |
|                                                                                     | 64QAM      | 1       | 0         | 19.87                | 19.94   | 19.95   | 21.00   |
|                                                                                     |            | 1       | 2         | 20.08                | 20.07   | 20.30   | 21.00   |
|                                                                                     |            | 1       | 5         | 20.28                | 19.98   | 19.74   | 21.00   |
|                                                                                     |            | 3       | 0         | 20.21                | 19.92   | 19.87   | 21.00   |
|                                                                                     |            | 3       | 2         | 19.91                | 19.91   | 20.20   | 21.00   |
|                                                                                     |            | 3       | 3         | 19.94                | 19.79   | 19.84   | 21.00   |
|                                                                                     |            | 6       | 0         | 20.02                | 19.90   | 20.13   | 21.00   |
| Bandwidth                                                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                     |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                                                                                | QPSK       | 1       | 0         | 19.86                | 19.99   | 19.86   | 21.00   |
|                                                                                     |            | 1       | 7         | 19.84                | 19.98   | 19.76   | 21.00   |
|                                                                                     |            | 1       | 14        | 19.94                | 19.76   | 19.96   | 21.00   |
|                                                                                     |            | 8       | 0         | 19.98                | 19.91   | 19.88   | 21.00   |
|                                                                                     |            | 8       | 4         | 19.94                | 20.01   | 19.95   | 21.00   |
|                                                                                     |            | 8       | 7         | 19.84                | 19.98   | 19.88   | 21.00   |
|                                                                                     |            | 15      | 0         | 20.00                | 20.02   | 19.81   | 21.00   |
|                                                                                     | 16QAM      | 1       | 0         | 20.32                | 19.94   | 20.07   | 21.00   |
|                                                                                     |            | 1       | 7         | 20.04                | 20.12   | 20.13   | 21.00   |
|                                                                                     |            | 1       | 14        | 20.39                | 19.91   | 20.36   | 21.00   |
|                                                                                     |            | 8       | 0         | 19.98                | 19.91   | 19.95   | 21.00   |
|                                                                                     |            | 8       | 4         | 19.82                | 19.88   | 20.03   | 21.00   |
|                                                                                     |            | 8       | 7         | 20.13                | 19.98   | 19.91   | 21.00   |
|                                                                                     |            | 15      | 0         | 19.87                | 19.74   | 19.96   | 21.00   |
|                                                                                     | 64QAM      | 1       | 0         | 20.07                | 20.28   | 20.04   | 21.00   |
|                                                                                     |            | 1       | 7         | 20.25                | 20.19   | 20.40   | 21.00   |
|                                                                                     |            | 1       | 14        | 20.02                | 19.79   | 19.83   | 21.00   |
|                                                                                     |            | 8       | 0         | 19.94                | 19.96   | 19.79   | 21.00   |
|                                                                                     |            | 8       | 4         | 20.10                | 19.80   | 20.13   | 21.00   |
|                                                                                     |            | 8       | 7         | 20.02                | 19.71   | 19.90   | 21.00   |
|                                                                                     |            | 15      | 0         | 19.76                | 19.81   | 19.82   | 21.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.98   | 19.75   | 19.76   | 21.00   |
|           |            | 1       | 13        | 19.96   | 19.87   | 19.78   | 21.00   |
|           |            | 1       | 24        | 19.87   | 19.84   | 19.95   | 21.00   |
|           |            | 12      | 0         | 20.03   | 20.01   | 19.97   | 21.00   |
|           |            | 12      | 6         | 19.98   | 19.91   | 19.91   | 21.00   |
|           |            | 12      | 13        | 19.82   | 20.00   | 19.93   | 21.00   |
|           |            | 25      | 0         | 19.99   | 19.86   | 19.89   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.50   | 20.25   | 20.09   | 21.00   |
|           |            | 1       | 13        | 20.05   | 19.92   | 19.50   | 21.00   |
|           |            | 1       | 24        | 20.16   | 20.48   | 19.99   | 21.00   |
|           |            | 12      | 0         | 20.07   | 20.03   | 19.80   | 21.00   |
|           |            | 12      | 6         | 20.04   | 19.87   | 19.97   | 21.00   |
|           |            | 12      | 13        | 19.96   | 19.77   | 19.85   | 21.00   |
|           |            | 25      | 0         | 19.90   | 19.77   | 19.94   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.82   | 19.96   | 19.74   | 21.00   |
|           |            | 1       | 13        | 20.00   | 19.98   | 20.02   | 21.00   |
|           |            | 1       | 24        | 20.13   | 20.06   | 20.02   | 21.00   |
|           |            | 12      | 0         | 19.90   | 19.78   | 19.82   | 21.00   |
|           |            | 12      | 6         | 19.78   | 19.80   | 19.92   | 21.00   |
|           |            | 12      | 13        | 19.96   | 19.75   | 19.83   | 21.00   |
|           |            | 25      | 0         | 19.84   | 19.78   | 19.85   | 21.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.81   | 20.05   | 19.77   | 21.00   |
|           |            | 1       | 25        | 20.00   | 19.82   | 19.90   | 21.00   |
|           |            | 1       | 49        | 19.99   | 19.78   | 19.74   | 21.00   |
|           |            | 25      | 0         | 19.99   | 20.01   | 19.90   | 21.00   |
|           |            | 25      | 13        | 19.98   | 19.90   | 19.97   | 21.00   |
|           |            | 25      | 25        | 19.92   | 19.90   | 19.83   | 21.00   |
|           |            | 50      | 0         | 19.92   | 19.85   | 19.90   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.18   | 20.20   | 20.18   | 21.00   |
|           |            | 1       | 25        | 20.21   | 20.08   | 20.00   | 21.00   |
|           |            | 1       | 49        | 20.28   | 19.91   | 20.13   | 21.00   |
|           |            | 25      | 0         | 19.95   | 19.91   | 19.86   | 21.00   |
|           |            | 25      | 13        | 19.88   | 19.85   | 19.79   | 21.00   |
|           |            | 25      | 25        | 20.02   | 19.86   | 19.74   | 21.00   |
|           |            | 50      | 0         | 19.79   | 19.78   | 19.76   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.51   | 20.40   | 19.88   | 21.00   |
|           |            | 1       | 25        | 19.56   | 19.92   | 20.22   | 21.00   |
|           |            | 1       | 49        | 20.19   | 19.68   | 19.79   | 21.00   |
|           |            | 25      | 0         | 19.85   | 20.04   | 19.82   | 21.00   |
|           |            | 25      | 13        | 20.04   | 19.86   | 19.83   | 21.00   |
|           |            | 25      | 25        | 19.81   | 19.81   | 19.84   | 21.00   |
|           |            | 50      | 0         | 19.80   | 19.79   | 19.79   | 21.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel      | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|--------------|---------|---------|---------|
|           |            |         |           | 26765        | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.86        | 19.79   | 19.80   | 21.00   |
|           |            | 1       | 38        | 19.87        | 19.94   | 19.95   | 21.00   |
|           |            | 1       | 74        | <b>19.99</b> | 19.71   | 19.88   | 21.00   |
|           |            | 36      | 0         | 19.97        | 19.85   | 20.07   | 21.00   |
|           |            | 36      | 18        | <b>20.08</b> | 19.85   | 20.01   | 21.00   |
|           |            | 36      | 39        | 19.92        | 19.85   | 19.97   | 21.00   |
|           |            | 75      | 0         | 20.05        | 20.00   | 19.95   | 21.00   |
|           | 16QAM      | 1       | 0         | 20.16        | 20.30   | 20.45   | 21.00   |
|           |            | 1       | 38        | 20.04        | 20.17   | 20.01   | 21.00   |
|           |            | 1       | 74        | 19.89        | 20.29   | 20.24   | 21.00   |
|           |            | 36      | 0         | 20.03        | 19.83   | 19.89   | 21.00   |
|           |            | 36      | 18        | 19.89        | 19.89   | 19.77   | 21.00   |
|           |            | 36      | 39        | 19.87        | 19.80   | 19.77   | 21.00   |
|           |            | 75      | 0         | 19.86        | 19.81   | 19.73   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.88        | 20.31   | 19.77   | 21.00   |
|           |            | 1       | 38        | 19.83        | 19.64   | 20.11   | 21.00   |
|           |            | 1       | 74        | 19.75        | 19.96   | 19.48   | 21.00   |
|           |            | 36      | 0         | 19.99        | 19.79   | 19.88   | 21.00   |
|           |            | 36      | 18        | 19.91        | 19.72   | 19.79   | 21.00   |
|           |            | 36      | 39        | 19.86        | 19.65   | 19.89   | 21.00   |
|           |            | 75      | 0         | 19.79        | 19.83   | 19.80   | 21.00   |



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| LTE Band 26 WiFi 2.4G(Rec off)/WiFi 2.4G(Rec off)+BT/WiFi 2.4G+5G(Rec off)/WiFi 2.4G+5G(Rec off)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                     |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                                                                                              | QPSK       | 1       | 0         | 21.51                | 21.37   | 21.33   | 22.50   |
|                                                                                                     |            | 1       | 2         | 21.44                | 21.42   | 21.45   | 22.50   |
|                                                                                                     |            | 1       | 5         | 21.46                | 21.46   | 21.60   | 22.50   |
|                                                                                                     |            | 3       | 0         | 21.61                | 21.40   | 21.71   | 22.50   |
|                                                                                                     |            | 3       | 2         | 21.49                | 21.34   | 21.23   | 22.50   |
|                                                                                                     |            | 3       | 3         | 21.58                | 21.56   | 21.57   | 22.50   |
|                                                                                                     |            | 6       | 0         | 21.64                | 21.60   | 21.28   | 22.50   |
|                                                                                                     | 16QAM      | 1       | 0         | 21.59                | 21.69   | 21.57   | 22.50   |
|                                                                                                     |            | 1       | 2         | 21.62                | 21.43   | 21.45   | 22.50   |
|                                                                                                     |            | 1       | 5         | 21.49                | 21.69   | 21.48   | 22.50   |
|                                                                                                     |            | 3       | 0         | 21.50                | 21.46   | 21.42   | 22.50   |
|                                                                                                     |            | 3       | 2         | 21.60                | 21.67   | 21.29   | 22.50   |
|                                                                                                     |            | 3       | 3         | 21.67                | 21.64   | 21.53   | 22.50   |
|                                                                                                     |            | 6       | 0         | 21.43                | 21.74   | 21.40   | 22.50   |
|                                                                                                     | 64QAM      | 1       | 0         | 21.51                | 21.39   | 21.28   | 22.50   |
|                                                                                                     |            | 1       | 2         | 21.14                | 21.55   | 21.48   | 22.50   |
|                                                                                                     |            | 1       | 5         | 21.38                | 21.26   | 21.13   | 22.50   |
|                                                                                                     |            | 3       | 0         | 21.52                | 21.33   | 21.39   | 22.50   |
|                                                                                                     |            | 3       | 2         | 21.75                | 21.14   | 21.40   | 22.50   |
|                                                                                                     |            | 3       | 3         | 21.43                | 21.51   | 21.46   | 22.50   |
|                                                                                                     |            | 6       | 0         | 20.44                | 20.49   | 20.62   | 21.50   |
| Bandwidth                                                                                           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                     |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                                                                                                | QPSK       | 1       | 0         | 21.57                | 21.39   | 21.35   | 22.50   |
|                                                                                                     |            | 1       | 7         | 21.15                | 21.30   | 21.29   | 22.50   |
|                                                                                                     |            | 1       | 14        | 21.37                | 21.36   | 21.44   | 22.50   |
|                                                                                                     |            | 8       | 0         | 21.59                | 21.43   | 21.55   | 22.50   |
|                                                                                                     |            | 8       | 4         | 21.54                | 21.57   | 21.54   | 22.50   |
|                                                                                                     |            | 8       | 7         | 21.42                | 21.39   | 21.50   | 22.50   |
|                                                                                                     |            | 15      | 0         | 21.53                | 21.48   | 21.56   | 22.50   |
|                                                                                                     | 16QAM      | 1       | 0         | 21.56                | 21.55   | 21.68   | 22.50   |
|                                                                                                     |            | 1       | 7         | 21.75                | 21.56   | 21.59   | 22.50   |
|                                                                                                     |            | 1       | 14        | 21.59                | 21.41   | 21.48   | 22.50   |
|                                                                                                     |            | 8       | 0         | 21.57                | 21.23   | 21.63   | 22.50   |
|                                                                                                     |            | 8       | 4         | 21.56                | 21.47   | 21.49   | 22.50   |
|                                                                                                     |            | 8       | 7         | 21.31                | 21.38   | 21.47   | 22.50   |
|                                                                                                     |            | 15      | 0         | 21.55                | 21.51   | 21.53   | 22.50   |
|                                                                                                     | 64QAM      | 1       | 0         | 21.59                | 21.48   | 21.42   | 22.50   |
|                                                                                                     |            | 1       | 7         | 21.64                | 21.32   | 21.32   | 22.50   |
|                                                                                                     |            | 1       | 14        | 21.79                | 21.65   | 21.44   | 22.50   |
|                                                                                                     |            | 8       | 0         | 20.52                | 20.51   | 20.48   | 21.50   |
|                                                                                                     |            | 8       | 4         | 20.57                | 20.49   | 20.47   | 21.50   |
|                                                                                                     |            | 8       | 7         | 20.33                | 20.35   | 20.54   | 21.50   |
|                                                                                                     |            | 15      | 0         | 20.51                | 20.55   | 20.57   | 21.50   |



| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 21.46   | 21.39   | 21.33   | 22.50   |
|           |            | 1       | 13        | 21.39   | 21.35   | 21.35   | 22.50   |
|           |            | 1       | 24        | 21.51   | 21.36   | 21.36   | 22.50   |
|           |            | 12      | 0         | 21.68   | 21.61   | 21.59   | 22.50   |
|           |            | 12      | 6         | 21.56   | 21.63   | 21.58   | 22.50   |
|           |            | 12      | 13        | 21.48   | 21.39   | 21.58   | 22.50   |
|           |            | 25      | 0         | 21.58   | 21.40   | 21.52   | 22.50   |
|           | 16QAM      | 1       | 0         | 21.15   | 21.68   | 21.48   | 22.50   |
|           |            | 1       | 13        | 21.48   | 21.35   | 21.34   | 22.50   |
|           |            | 1       | 24        | 21.53   | 21.51   | 21.65   | 22.50   |
|           |            | 12      | 0         | 21.51   | 21.58   | 21.51   | 22.50   |
|           |            | 12      | 6         | 21.64   | 21.41   | 21.72   | 22.50   |
|           |            | 12      | 13        | 21.47   | 21.28   | 21.54   | 22.50   |
|           |            | 25      | 0         | 21.55   | 21.42   | 21.53   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.55   | 21.51   | 21.48   | 22.50   |
|           |            | 1       | 13        | 21.53   | 21.38   | 21.48   | 22.50   |
|           |            | 1       | 24        | 21.49   | 21.39   | 21.49   | 22.50   |
|           |            | 12      | 0         | 20.58   | 20.65   | 20.49   | 21.50   |
|           |            | 12      | 6         | 20.54   | 20.48   | 20.55   | 21.50   |
|           |            | 12      | 13        | 20.55   | 20.41   | 20.53   | 21.50   |
|           |            | 25      | 0         | 20.37   | 20.56   | 20.55   | 21.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.63   | 21.37   | 21.29   | 22.50   |
|           |            | 1       | 25        | 21.55   | 21.35   | 21.47   | 22.50   |
|           |            | 1       | 49        | 21.30   | 21.48   | 21.51   | 22.50   |
|           |            | 25      | 0         | 21.64   | 21.48   | 21.46   | 22.50   |
|           |            | 25      | 13        | 21.68   | 21.42   | 21.43   | 22.50   |
|           |            | 25      | 25        | 21.61   | 21.33   | 21.39   | 22.50   |
|           |            | 50      | 0         | 21.57   | 21.38   | 21.47   | 22.50   |
|           | 16QAM      | 1       | 0         | 21.55   | 21.47   | 21.60   | 22.50   |
|           |            | 1       | 25        | 21.46   | 21.34   | 21.43   | 22.50   |
|           |            | 1       | 49        | 21.12   | 21.55   | 21.73   | 22.50   |
|           |            | 25      | 0         | 21.60   | 21.48   | 21.44   | 22.50   |
|           |            | 25      | 13        | 21.61   | 21.40   | 21.38   | 22.50   |
|           |            | 25      | 25        | 21.50   | 21.28   | 21.35   | 22.50   |
|           |            | 50      | 0         | 21.46   | 21.34   | 21.43   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.31   | 21.35   | 21.60   | 22.50   |
|           |            | 1       | 25        | 21.69   | 21.62   | 21.64   | 22.50   |
|           |            | 1       | 49        | 21.22   | 21.72   | 21.78   | 22.50   |
|           |            | 25      | 0         | 20.50   | 20.45   | 20.45   | 21.50   |
|           |            | 25      | 13        | 20.58   | 20.51   | 20.42   | 21.50   |
|           |            | 25      | 25        | 20.36   | 20.22   | 20.34   | 21.50   |
|           |            | 50      | 0         | 20.42   | 20.32   | 20.33   | 21.50   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.45   | 21.28   | 21.41   | 22.50   |
|           |            | 1       | 38        | 21.58   | 21.38   | 21.52   | 22.50   |
|           |            | 1       | 74        | 21.47   | 21.36   | 21.41   | 22.50   |
|           |            | 36      | 0         | 21.67   | 21.62   | 21.63   | 22.50   |
|           |            | 36      | 18        | 21.63   | 21.64   | 21.56   | 22.50   |
|           |            | 36      | 39        | 21.44   | 21.50   | 21.62   | 22.50   |
|           |            | 75      | 0         | 21.57   | 21.57   | 21.54   | 22.50   |
|           | 16QAM      | 1       | 0         | 21.63   | 21.55   | 21.63   | 22.50   |
|           |            | 1       | 38        | 21.51   | 21.55   | 21.31   | 22.50   |
|           |            | 1       | 74        | 21.49   | 21.48   | 21.61   | 22.50   |
|           |            | 36      | 0         | 21.56   | 21.43   | 21.55   | 22.50   |
|           |            | 36      | 18        | 21.53   | 21.40   | 21.63   | 22.50   |
|           |            | 36      | 39        | 21.52   | 21.45   | 21.49   | 22.50   |
|           |            | 75      | 0         | 21.47   | 21.38   | 21.43   | 22.50   |
|           | 64QAM      | 1       | 0         | 21.65   | 21.55   | 21.67   | 22.50   |
|           |            | 1       | 38        | 21.17   | 21.46   | 21.50   | 22.50   |
|           |            | 1       | 74        | 21.50   | 21.07   | 21.55   | 22.50   |
|           |            | 36      | 0         | 20.57   | 20.48   | 20.51   | 21.50   |
|           |            | 36      | 18        | 20.40   | 20.43   | 20.53   | 21.50   |
|           |            | 36      | 39        | 20.55   | 20.25   | 20.41   | 21.50   |
|           |            | 75      | 0         | 20.38   | 20.40   | 20.32   | 21.50   |



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| LTE Band 26 WiFi 2.4G(Rec on)/WiFi 2.4G(Rec on)+BT/WiFi 2.4G+5G(Rec on)/WiFi 2.4G+5G(Rec on)+BT |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------------------------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                                                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                 |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                                                                                          | QPSK       | 1       | 0         | 17.88                | 17.78   | 17.67   | 19.00   |
|                                                                                                 |            | 1       | 2         | 17.99                | 17.69   | 17.73   | 19.00   |
|                                                                                                 |            | 1       | 5         | 17.82                | 17.94   | 17.98   | 19.00   |
|                                                                                                 |            | 3       | 0         | 17.84                | 17.78   | 18.11   | 19.00   |
|                                                                                                 |            | 3       | 2         | 18.00                | 17.87   | 17.97   | 19.00   |
|                                                                                                 |            | 3       | 3         | 17.86                | 17.94   | 17.95   | 19.00   |
|                                                                                                 |            | 6       | 0         | 17.93                | 17.77   | 17.92   | 19.00   |
|                                                                                                 | 16QAM      | 1       | 0         | 17.95                | 18.05   | 18.07   | 19.00   |
|                                                                                                 |            | 1       | 2         | 17.50                | 18.19   | 18.16   | 19.00   |
|                                                                                                 |            | 1       | 5         | 18.21                | 18.34   | 17.88   | 19.00   |
|                                                                                                 |            | 3       | 0         | 17.90                | 17.76   | 17.94   | 19.00   |
|                                                                                                 |            | 3       | 2         | 17.98                | 17.68   | 18.00   | 19.00   |
|                                                                                                 |            | 3       | 3         | 18.12                | 17.57   | 18.12   | 19.00   |
|                                                                                                 |            | 6       | 0         | 18.01                | 17.71   | 17.97   | 19.00   |
|                                                                                                 | 64QAM      | 1       | 0         | 17.76                | 17.69   | 17.93   | 19.00   |
|                                                                                                 |            | 1       | 2         | 18.02                | 17.63   | 18.04   | 19.00   |
|                                                                                                 |            | 1       | 5         | 18.33                | 17.92   | 17.95   | 19.00   |
|                                                                                                 |            | 3       | 0         | 17.94                | 17.71   | 17.75   | 19.00   |
|                                                                                                 |            | 3       | 2         | 17.99                | 17.77   | 17.83   | 19.00   |
|                                                                                                 |            | 3       | 3         | 17.70                | 17.68   | 17.87   | 19.00   |
|                                                                                                 |            | 6       | 0         | 17.80                | 18.19   | 17.77   | 19.00   |
| Bandwidth                                                                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                                                                 |            |         |           | 26705                | 26865   | 27025   |         |
| 3MHz                                                                                            | QPSK       | 1       | 0         | 17.94                | 17.79   | 17.72   | 19.00   |
|                                                                                                 |            | 1       | 7         | 17.77                | 17.70   | 17.70   | 19.00   |
|                                                                                                 |            | 1       | 14        | 18.02                | 17.80   | 17.97   | 19.00   |
|                                                                                                 |            | 8       | 0         | 17.98                | 17.92   | 17.86   | 19.00   |
|                                                                                                 |            | 8       | 4         | 17.99                | 18.06   | 17.83   | 19.00   |
|                                                                                                 |            | 8       | 7         | 17.90                | 18.03   | 17.87   | 19.00   |
|                                                                                                 |            | 15      | 0         | 18.00                | 17.98   | 17.85   | 19.00   |
|                                                                                                 | 16QAM      | 1       | 0         | 18.01                | 17.78   | 18.32   | 19.00   |
|                                                                                                 |            | 1       | 7         | 18.02                | 18.24   | 18.23   | 19.00   |
|                                                                                                 |            | 1       | 14        | 17.69                | 18.17   | 17.71   | 19.00   |
|                                                                                                 |            | 8       | 0         | 18.02                | 17.96   | 17.67   | 19.00   |
|                                                                                                 |            | 8       | 4         | 17.86                | 17.96   | 18.10   | 19.00   |
|                                                                                                 |            | 8       | 7         | 17.86                | 17.98   | 17.78   | 19.00   |
|                                                                                                 |            | 15      | 0         | 17.84                | 17.82   | 17.87   | 19.00   |
|                                                                                                 | 64QAM      | 1       | 0         | 18.25                | 17.41   | 18.14   | 19.00   |
|                                                                                                 |            | 1       | 7         | 17.77                | 17.46   | 17.89   | 19.00   |
|                                                                                                 |            | 1       | 14        | 17.91                | 17.93   | 18.02   | 19.00   |
|                                                                                                 |            | 8       | 0         | 17.82                | 18.08   | 17.78   | 19.00   |
|                                                                                                 |            | 8       | 4         | 17.84                | 17.98   | 17.69   | 19.00   |
|                                                                                                 |            | 8       | 7         | 17.92                | 18.04   | 18.10   | 19.00   |
|                                                                                                 |            | 15      | 0         | 17.85                | 17.85   | 17.75   | 19.00   |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.80   | 17.83   | 17.77   | 19.00   |
|           |            | 1       | 13        | 17.77   | 17.86   | 17.81   | 19.00   |
|           |            | 1       | 24        | 17.89   | 17.89   | 17.76   | 19.00   |
|           |            | 12      | 0         | 18.07   | 18.05   | 17.88   | 19.00   |
|           |            | 12      | 6         | 17.96   | 17.85   | 17.94   | 19.00   |
|           |            | 12      | 13        | 17.87   | 18.01   | 17.85   | 19.00   |
|           |            | 25      | 0         | 17.90   | 17.77   | 18.00   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.28   | 17.70   | 18.00   | 19.00   |
|           |            | 1       | 13        | 18.30   | 18.25   | 18.01   | 19.00   |
|           |            | 1       | 24        | 18.32   | 17.45   | 18.19   | 19.00   |
|           |            | 12      | 0         | 17.94   | 17.74   | 17.76   | 19.00   |
|           |            | 12      | 6         | 17.92   | 17.92   | 17.94   | 19.00   |
|           |            | 12      | 13        | 17.79   | 17.83   | 17.95   | 19.00   |
|           |            | 25      | 0         | 17.91   | 17.93   | 17.76   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.63   | 17.68   | 17.76   | 19.00   |
|           |            | 1       | 13        | 18.07   | 18.09   | 17.72   | 19.00   |
|           |            | 1       | 24        | 17.98   | 17.75   | 18.01   | 19.00   |
|           |            | 12      | 0         | 17.77   | 17.83   | 17.54   | 19.00   |
|           |            | 12      | 6         | 17.98   | 17.99   | 17.70   | 19.00   |
|           |            | 12      | 13        | 17.81   | 17.80   | 17.85   | 19.00   |
|           |            | 25      | 0         | 17.94   | 17.95   | 17.85   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.70   | 17.96   | 17.70   | 19.00   |
|           |            | 1       | 25        | 17.82   | 17.85   | 17.92   | 19.00   |
|           |            | 1       | 49        | 17.96   | 17.70   | 17.67   | 19.00   |
|           |            | 25      | 0         | 17.94   | 18.02   | 17.87   | 19.00   |
|           |            | 25      | 13        | 18.03   | 17.80   | 17.91   | 19.00   |
|           |            | 25      | 25        | 17.98   | 17.86   | 17.90   | 19.00   |
|           |            | 50      | 0         | 17.86   | 17.77   | 17.98   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.14   | 18.12   | 18.34   | 19.00   |
|           |            | 1       | 25        | 18.14   | 17.47   | 17.89   | 19.00   |
|           |            | 1       | 49        | 17.89   | 18.33   | 18.09   | 19.00   |
|           |            | 25      | 0         | 17.83   | 17.79   | 17.80   | 19.00   |
|           |            | 25      | 13        | 17.74   | 17.99   | 17.67   | 19.00   |
|           |            | 25      | 25        | 17.90   | 17.82   | 17.69   | 19.00   |
|           |            | 50      | 0         | 17.75   | 17.62   | 17.87   | 19.00   |
|           | 64QAM      | 1       | 0         | 18.24   | 18.09   | 17.81   | 19.00   |
|           |            | 1       | 25        | 17.98   | 17.98   | 17.91   | 19.00   |
|           |            | 1       | 49        | 17.85   | 17.74   | 17.82   | 19.00   |
|           |            | 25      | 0         | 17.86   | 17.82   | 17.59   | 19.00   |
|           |            | 25      | 13        | 17.68   | 17.89   | 17.65   | 19.00   |
|           |            | 25      | 25        | 17.75   | 17.82   | 17.73   | 19.00   |
|           |            | 50      | 0         | 17.77   | 17.87   | 17.66   | 19.00   |



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| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.91   | 17.73   | 17.67   | 19.00   |
|           |            | 1       | 38        | 17.90   | 18.17   | 17.81   | 19.00   |
|           |            | 1       | 74        | 17.59   | 17.64   | 17.73   | 19.00   |
|           |            | 36      | 0         | 17.95   | 17.87   | 18.03   | 19.00   |
|           |            | 36      | 18        | 18.05   | 17.86   | 17.96   | 19.00   |
|           |            | 36      | 39        | 17.89   | 17.89   | 17.88   | 19.00   |
|           |            | 75      | 0         | 17.84   | 18.00   | 17.87   | 19.00   |
|           | 16QAM      | 1       | 0         | 18.22   | 17.82   | 17.76   | 19.00   |
|           |            | 1       | 38        | 18.02   | 18.16   | 18.04   | 19.00   |
|           |            | 1       | 74        | 18.26   | 18.05   | 17.76   | 19.00   |
|           |            | 36      | 0         | 17.69   | 17.81   | 17.84   | 19.00   |
|           |            | 36      | 18        | 17.90   | 17.92   | 17.83   | 19.00   |
|           |            | 36      | 39        | 18.00   | 17.63   | 17.73   | 19.00   |
|           |            | 75      | 0         | 17.73   | 17.91   | 17.79   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.97   | 17.85   | 18.09   | 19.00   |
|           |            | 1       | 38        | 17.85   | 18.06   | 17.77   | 19.00   |
|           |            | 1       | 74        | 17.77   | 17.80   | 18.08   | 19.00   |
|           |            | 36      | 0         | 17.83   | 17.90   | 17.78   | 19.00   |
|           |            | 36      | 18        | 17.68   | 17.90   | 17.93   | 19.00   |
|           |            | 36      | 39        | 18.03   | 17.88   | 17.81   | 19.00   |
|           |            | 75      | 0         | 17.89   | 17.68   | 17.71   | 19.00   |



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