

|           |            | 3       | 1         | 19.93   | 19.92   | 19.93   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 19.91   | 19.92   | 19.83   | 21.00   |
|           |            | 6       | 0         | 19.88   | 19.95   | 19.91   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.88   | 19.93   | 19.93   | 21.00   |
|           |            | 1       | 2         | 19.86   | 19.97   | 19.91   | 21.00   |
|           |            | 1       | 5         | 19.87   | 19.96   | 19.90   | 21.00   |
|           |            | 3       | 0         | 19.91   | 19.96   | 19.90   | 21.00   |
|           |            | 3       | 1         | 19.85   | 19.98   | 19.92   | 21.00   |
|           |            | 3       | 3         | 19.90   | 19.91   | 19.88   | 21.00   |
|           |            | 6       | 0         | 19.92   | 19.96   | 19.85   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.87   | 17.89   | 17.90   | 19.00   |
|           |            | 1       | 2         | 18.03   | 17.99   | 17.93   | 19.00   |
|           |            | 1       | 5         | 17.98   | 17.94   | 17.91   | 19.00   |
|           |            | 3       | 0         | 17.98   | 17.96   | 17.88   | 19.00   |
|           |            | 3       | 1         | 17.85   | 17.91   | 17.96   | 19.00   |
|           |            | 3       | 3         | 17.93   | 17.91   | 17.99   | 19.00   |
|           |            | 6       | 0         | 17.93   | 17.99   | 18.01   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131987  | 132322  | 132657  |         |
| 3MHz      | QPSK       | 1       | 0         | 20.02   | 20.06   | 20.04   | 21.00   |
|           |            | 1       | 7         | 19.86   | 20.01   | 19.98   | 21.00   |
|           |            | 1       | 14        | 19.89   | 19.94   | 19.86   | 21.00   |
|           |            | 8       | 0         | 19.86   | 19.91   | 19.92   | 21.00   |
|           |            | 8       | 4         | 19.83   | 19.88   | 19.94   | 21.00   |
|           |            | 8       | 7         | 19.85   | 19.96   | 19.90   | 21.00   |
|           | 16QAM      | 15      | 0         | 19.89   | 19.95   | 19.89   | 21.00   |
|           |            | 1       | 0         | 19.87   | 19.87   | 19.91   | 21.00   |
|           |            | 1       | 7         | 19.95   | 19.97   | 19.96   | 21.00   |
|           |            | 1       | 14        | 19.90   | 19.99   | 19.87   | 21.00   |
|           |            | 8       | 0         | 19.93   | 20.00   | 19.94   | 21.00   |
|           |            | 8       | 4         | 19.88   | 19.91   | 19.95   | 21.00   |
|           | 64QAM      | 8       | 7         | 19.91   | 19.94   | 19.86   | 21.00   |
|           |            | 15      | 0         | 19.89   | 19.92   | 19.93   | 21.00   |
|           |            | 1       | 0         | 19.90   | 19.95   | 19.97   | 21.00   |
|           |            | 1       | 7         | 19.89   | 19.94   | 19.98   | 21.00   |
|           |            | 1       | 14        | 19.83   | 20.01   | 19.94   | 21.00   |
|           |            | 8       | 0         | 19.87   | 19.96   | 19.92   | 21.00   |
|           | 256QAM     | 8       | 4         | 19.87   | 19.91   | 19.90   | 21.00   |
|           |            | 8       | 7         | 19.94   | 19.93   | 19.85   | 21.00   |
|           |            | 15      | 0         | 19.88   | 19.94   | 19.89   | 21.00   |
|           |            | 1       | 0         | 17.86   | 17.90   | 17.93   | 19.00   |
|           |            | 1       | 7         | 17.97   | 17.95   | 17.88   | 19.00   |
|           |            | 1       | 14        | 18.00   | 17.90   | 17.90   | 19.00   |
| 5MHz      | QPSK       | 8       | 0         | 17.98   | 18.01   | 17.86   | 19.00   |
|           |            | 8       | 4         | 17.89   | 17.88   | 17.97   | 19.00   |
|           |            | 8       | 7         | 17.95   | 17.93   | 17.92   | 19.00   |
|           |            | 15      | 0         | 17.91   | 17.96   | 17.98   | 19.00   |
|           | 16QAM      | 1       | 0         | 19.84   | 19.87   | 19.92   | 21.00   |
|           |            | 1       | 13        | 19.89   | 19.95   | 19.89   | 21.00   |
|           |            | 1       | 24        | 19.92   | 19.96   | 19.91   | 21.00   |
|           |            | 12      | 0         | 19.91   | 19.96   | 19.92   | 21.00   |
|           |            | 12      | 6         | 19.94   | 19.93   | 19.89   | 21.00   |
|           |            | 12      | 13        | 19.90   | 19.97   | 19.89   | 21.00   |
|           | 64QAM      | 25      | 0         | 19.82   | 19.95   | 19.90   | 21.00   |
|           |            | 1       | 0         | 19.89   | 19.98   | 19.90   | 21.00   |
|           |            | 1       | 13        | 19.89   | 19.97   | 19.98   | 21.00   |
|           |            | 1       | 24        | 19.88   | 20.01   | 19.90   | 21.00   |
|           |            | 12      | 0         | 19.87   | 20.03   | 19.92   | 21.00   |
|           |            | 12      | 6         | 19.82   | 19.98   | 19.90   | 21.00   |
| 3MHz      | QPSK       | 12      | 13        | 19.87   | 19.97   | 19.86   | 21.00   |
|           |            | 25      | 0         | 19.92   | 19.96   | 19.92   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.84   | 19.87   | 19.92   | 21.00   |
|           |            | 1       | 13        | 19.89   | 19.95   | 19.89   | 21.00   |
|           |            | 1       | 24        | 19.92   | 19.96   | 19.91   | 21.00   |
|           |            | 12      | 0         | 19.91   | 19.96   | 19.92   | 21.00   |
|           | 64QAM      | 12      | 6         | 19.94   | 19.93   | 19.89   | 21.00   |
|           |            | 12      | 13        | 19.90   | 19.97   | 19.89   | 21.00   |
|           |            | 25      | 0         | 19.82   | 19.95   | 19.90   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.86   | 17.90   | 17.93   | 19.00   |
|           |            | 1       | 7         | 17.97   | 17.95   | 17.88   | 19.00   |
|           |            | 1       | 14        | 18.00   | 17.90   | 17.90   | 19.00   |
|           |            | 8       | 0         | 17.98   | 18.01   | 17.86   | 19.00   |
|           |            | 8       | 4         | 17.89   | 17.88   | 17.97   | 19.00   |
|           |            | 8       | 7         | 17.95   | 17.93   | 17.92   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131997  | 132322  | 132647  |         |
| 5MHz      | QPSK       | 1       | 0         | 20.04   | 20.01   | 20.02   | 21.00   |
|           |            | 1       | 13        | 19.87   | 19.95   | 19.98   | 21.00   |
|           |            | 1       | 24        | 19.83   | 19.89   | 19.87   | 21.00   |
|           |            | 12      | 0         | 19.89   | 19.94   | 19.93   | 21.00   |
|           |            | 12      | 6         | 19.86   | 19.96   | 19.94   | 21.00   |
|           |            | 12      | 13        | 19.86   | 19.88   | 19.89   | 21.00   |
|           | 16QAM      | 25      | 0         | 19.90   | 19.95   | 19.90   | 21.00   |
|           |            | 1       | 0         | 19.84   | 19.87   | 19.92   | 21.00   |
|           |            | 1       | 13        | 19.89   | 19.95   | 19.89   | 21.00   |
|           |            | 1       | 24        | 19.92   | 19.96   | 19.91   | 21.00   |
|           |            | 12      | 0         | 19.91   | 19.96   | 19.92   | 21.00   |
|           |            | 12      | 6         | 19.94   | 19.93   | 19.89   | 21.00   |
|           | 64QAM      | 12      | 13        | 19.90   | 19.97   | 19.89   | 21.00   |
|           |            | 25      | 0         | 19.82   | 19.95   | 19.90   | 21.00   |
|           |            | 1       | 0         | 19.89   | 19.98   | 19.90   | 21.00   |
|           |            | 1       | 13        | 19.89   | 19.97   | 19.98   | 21.00   |
|           |            | 1       | 24        | 19.88   | 20.01   | 19.90   | 21.00   |
|           |            | 12      | 0         | 19.87   | 20.03   | 19.92   | 21.00   |
|           | 256QAM     | 12      | 6         | 19.82   | 19.98   | 19.90   | 21.00   |
|           |            | 12      | 13        | 19.87   | 19.97   | 19.86   | 21.00   |
|           |            | 25      | 0         | 19.92   | 19.96   | 19.92   | 21.00   |

|           |            | 1       | 0         | 17.89             | 17.89             | 17.95             | 19.00   |
|-----------|------------|---------|-----------|-------------------|-------------------|-------------------|---------|
|           |            | 1       | 13        | 18.03             | 17.95             | 17.86             | 19.00   |
|           |            | 1       | 24        | 17.98             | 17.92             | 17.87             | 19.00   |
|           |            | 12      | 0         | 17.93             | 17.99             | 17.91             | 19.00   |
|           |            | 12      | 6         | 17.87             | 17.93             | 17.91             | 19.00   |
|           |            | 12      | 13        | 17.93             | 17.93             | 17.93             | 19.00   |
|           |            | 25      | 0         | 17.94             | 17.99             | 17.98             | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>132022 | Channel<br>132322 | Channel<br>132622 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 19.99             | 20.02             | 20.03             | 21.00   |
|           |            | 1       | 25        | 19.88             | 19.94             | 19.97             | 21.00   |
|           |            | 1       | 49        | 19.88             | 19.92             | 19.86             | 21.00   |
|           |            | 25      | 0         | 19.90             | 19.97             | 19.93             | 21.00   |
|           |            | 25      | 13        | 19.88             | 19.95             | 19.94             | 21.00   |
|           |            | 25      | 25        | 19.86             | 19.92             | 19.86             | 21.00   |
|           | 16QAM      | 50      | 0         | 19.85             | 19.94             | 19.85             | 21.00   |
|           |            | 1       | 0         | 19.87             | 19.89             | 19.86             | 21.00   |
|           |            | 1       | 25        | 19.89             | 19.96             | 19.95             | 21.00   |
|           |            | 1       | 49        | 19.94             | 19.97             | 19.90             | 21.00   |
|           |            | 25      | 0         | 19.94             | 19.98             | 19.88             | 21.00   |
|           |            | 25      | 13        | 19.93             | 19.91             | 19.87             | 21.00   |
|           | 64QAM      | 25      | 25        | 19.91             | 19.95             | 19.88             | 21.00   |
|           |            | 50      | 0         | 19.85             | 19.91             | 19.95             | 21.00   |
|           |            | 1       | 0         | 19.94             | 19.94             | 19.92             | 21.00   |
|           |            | 1       | 25        | 19.84             | 19.91             | 19.91             | 21.00   |
|           |            | 1       | 49        | 19.85             | 19.99             | 19.89             | 21.00   |
|           |            | 25      | 0         | 19.83             | 20.05             | 19.88             | 21.00   |
|           | 256QAM     | 25      | 13        | 19.87             | 19.93             | 19.90             | 21.00   |
|           |            | 25      | 25        | 19.88             | 19.93             | 19.86             | 21.00   |
|           |            | 50      | 0         | 19.93             | 19.92             | 19.92             | 21.00   |
|           |            | 1       | 0         | 17.84             | 17.90             | 17.95             | 19.00   |
|           |            | 1       | 25        | 18.03             | 17.96             | 17.87             | 19.00   |
|           |            | 1       | 49        | 17.93             | 17.94             | 17.91             | 19.00   |
| 15MHz     | QPSK       | 25      | 0         | 17.96             | 17.98             | 17.91             | 19.00   |
|           |            | 25      | 13        | 17.87             | 17.93             | 17.93             | 19.00   |
|           |            | 25      | 25        | 17.91             | 17.93             | 17.95             | 19.00   |
|           |            | 50      | 0         | 17.93             | 17.92             | 17.98             | 19.00   |
|           | 16QAM      | 1       | 0         | 19.98             | 20.05             | 20.02             | 21.00   |
|           |            | 1       | 38        | 19.88             | 19.96             | 19.91             | 21.00   |
|           |            | 1       | 74        | 19.83             | 19.96             | 19.85             | 21.00   |
|           |            | 36      | 0         | 19.85             | 19.90             | 19.95             | 21.00   |
|           |            | 36      | 18        | 19.80             | 19.93             | 19.93             | 21.00   |
|           |            | 36      | 39        | 19.90             | 19.92             | 19.94             | 21.00   |
|           | 64QAM      | 75      | 0         | 19.87             | 19.93             | 19.87             | 21.00   |
|           |            | 1       | 0         | 19.84             | 19.91             | 19.89             | 21.00   |
|           |            | 1       | 38        | 19.96             | 19.93             | 19.90             | 21.00   |
|           |            | 1       | 74        | 19.88             | 19.93             | 19.92             | 21.00   |
|           |            | 36      | 0         | 19.91             | 19.98             | 19.87             | 21.00   |
|           |            | 36      | 18        | 19.91             | 19.98             | 19.91             | 21.00   |
|           | 256QAM     | 36      | 39        | 19.89             | 19.94             | 19.88             | 21.00   |
|           |            | 75      | 0         | 19.87             | 19.90             | 19.95             | 21.00   |
|           |            | 1       | 0         | 19.93             | 19.94             | 19.90             | 21.00   |
|           |            | 1       | 38        | 19.86             | 19.93             | 19.94             | 21.00   |
|           |            | 1       | 74        | 19.85             | 19.95             | 19.91             | 21.00   |
|           |            | 36      | 0         | 19.89             | 19.99             | 19.88             | 21.00   |
| 20MHz     | QPSK       | 36      | 18        | 19.85             | 19.97             | 19.90             | 21.00   |
|           |            | 36      | 39        | 19.88             | 19.99             | 19.84             | 21.00   |
|           |            | 75      | 0         | 19.88             | 19.99             | 19.88             | 21.00   |
|           |            | 1       | 0         | 17.91             | 17.89             | 17.93             | 19.00   |
|           |            | 1       | 38        | 18.01             | 17.94             | 17.92             | 19.00   |
|           |            | 1       | 74        | 17.99             | 17.96             | 17.88             | 19.00   |
|           | 16QAM      | 36      | 0         | 17.99             | 17.97             | 17.83             | 19.00   |
|           |            | 36      | 18        | 17.83             | 17.91             | 17.96             | 19.00   |
|           |            | 36      | 39        | 17.91             | 17.93             | 17.91             | 19.00   |
|           |            | 75      | 0         | 17.91             | 17.92             | 17.97             | 19.00   |
|           | 64QAM      | 1       | 0         | 19.98             | 20.05             | 20.02             | 21.00   |
|           |            | 1       | 38        | 19.88             | 19.96             | 19.91             | 21.00   |
|           |            | 1       | 74        | 19.83             | 19.96             | 19.85             | 21.00   |
|           |            | 36      | 0         | 19.85             | 19.90             | 19.95             | 21.00   |
|           |            | 36      | 18        | 19.80             | 19.93             | 19.93             | 21.00   |
|           |            | 36      | 39        | 19.90             | 19.92             | 19.94             | 21.00   |
|           | 256QAM     | 75      | 0         | 19.87             | 19.93             | 19.87             | 21.00   |
|           |            | 1       | 0         | 19.84             | 19.91             | 19.89             | 21.00   |
|           |            | 1       | 38        | 19.96             | 19.93             | 19.90             | 21.00   |
|           |            | 1       | 74        | 19.88             | 19.93             | 19.92             | 21.00   |
|           |            | 36      | 0         | 19.91             | 19.98             | 19.87             | 21.00   |
|           |            | 36      | 18        | 19.91             | 19.98             | 19.91             | 21.00   |
| 15MHz     | QPSK       | 36      | 39        | 19.89             | 19.94             | 19.88             | 21.00   |
|           |            | 75      | 0         | 19.87             | 19.90             | 19.95             | 21.00   |
|           |            | 1       | 0         | 19.93             | 19.94             | 19.90             | 21.00   |
|           |            | 1       | 38        | 19.86             | 19.93             | 19.94             | 21.00   |
|           |            | 1       | 74        | 19.85             | 19.95             | 19.91             | 21.00   |
|           |            | 36      | 0         | 19.89             | 19.99             | 19.88             | 21.00   |
|           | 16QAM      | 36      | 18        | 19.85             | 19.97             | 19.90             | 21.00   |
|           |            | 36      | 39        | 19.88             | 19.99             | 19.84             | 21.00   |
|           |            | 75      | 0         | 19.88             | 19.99             | 19.88             | 21.00   |
|           |            | 1       | 0         | 17.91             | 17.89             | 17.93             | 19.00   |
|           |            | 1       | 38        | 18.01             | 17.94             | 17.92             | 19.00   |
|           |            | 1       | 74        | 17.99             | 17.96             | 17.88             | 19.00   |
|           | 64QAM      | 36      | 0         | 17.99             | 17.97             | 17.83             | 19.00   |
|           |            | 36      | 18        | 17.83             | 17.91             | 17.96             | 19.00   |
|           |            | 36      | 39        | 17.91             | 17.93             | 17.91             | 19.00   |
|           |            | 75      | 0         | 17.91             | 17.92             | 17.97             | 19.00   |
|           | 256QAM     | 1       | 0         | 19.98             | 20.05             | 20.02             | 21.00   |
|           |            | 1       | 38        | 19.88             | 19.96             | 19.91             | 21.00   |
|           |            | 1       | 74        | 19.83             | 19.96             | 19.85             | 21.00   |
|           |            | 36      | 0         | 19.85             | 19.90             | 19.95             | 21.00   |
|           |            | 36      | 18        | 19.80             | 19.93             | 19.93             | 21.00   |
|           |            | 36      | 39        | 19.90             | 19.92             | 19.94             | 21.00   |
| 20MHz     | QPSK       | 75      | 0         | 19.87             | 19.93             | 19.87             | 21.00   |
|           |            | 1       | 0         | 19.84             | 19.91             | 19.89             | 21.00   |
|           |            | 1       | 38        | 19.96             | 19.93             | 19.90             | 21.00   |
|           |            | 1       | 74        | 19.88             | 19.93             | 19.92             | 21.00   |
|           |            | 36      | 0         | 19.91             | 19.98             | 19.87             | 21.00   |
|           |            | 36      | 18        | 19.91             | 19.98             | 19.91             | 21.00   |
|           | 16QAM      | 36      | 39        | 19.89             | 19.94             | 19.88             | 21.00   |
|           |            | 75      | 0         | 19.87             | 19.90             | 19.95             | 21.00   |
|           |            | 1       | 0         | 19.93             | 19.94             | 19.90             | 21.00   |
|           |            | 1       | 38        | 19.86             | 19.93             | 19.94             | 21.00   |
|           |            | 1       | 74        | 19.85             | 19.95             | 19.91             | 21.00   |
|           |            | 36      | 0         | 19.89             | 19.99             | 19.88             | 21.00   |
|           | 64QAM      | 36      | 18        | 19.85             | 19.97             | 19.90             | 21.00   |
|           |            | 36      | 39        | 19.88             | 19.99             | 19.84             | 21.00   |
|           |            | 75      | 0         | 19.88             | 19.99             | 19.88             | 21.00   |
|           |            | 1       | 0         | 17.91             | 17.89             | 17.93             | 19.00   |
|           |            | 1       | 38        | 18.01             | 17.94             | 17.92             | 19.00   |
|           |            | 1       | 74        | 17.99             | 17.96             | 17.88             | 19.00   |
|           | 256QAM     | 36      | 0         | 17.99             | 17.97             | 17.83             | 19.00   |
|           |            | 36      | 18        | 17.83             | 17.91             | 17.96             | 19.00   |
|           |            | 36      | 39        | 17.91             | 17.93             | 17.91             | 19.00   |
|           |            | 75      | 0         | 17.91             | 17.92             | 17.97             | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>132072 | Channel<br>132322 | Channel<br>132572 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 20.10             | 20.15             | 20.13             | 21.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 1   | 50 | 19.95 | 20.09 | 20.04 | 21.00 |
|  |        | 1   | 99 | 19.97 | 20.03 | 19.99 | 21.00 |
|  |        | 50  | 0  | 20.00 | 20.05 | 20.01 | 21.00 |
|  |        | 50  | 25 | 19.95 | 20.03 | 20.01 | 21.00 |
|  |        | 50  | 50 | 19.98 | 20.03 | 20.00 | 21.00 |
|  |        | 100 | 0  | 19.98 | 20.02 | 19.97 | 21.00 |
|  | 16QAM  | 1   | 0  | 19.99 | 20.02 | 20.01 | 21.00 |
|  |        | 1   | 50 | 20.03 | 20.05 | 20.03 | 21.00 |
|  |        | 1   | 99 | 20.03 | 20.07 | 19.99 | 21.00 |
|  |        | 50  | 0  | 20.00 | 20.09 | 20.00 | 21.00 |
|  |        | 50  | 25 | 20.00 | 20.06 | 20.01 | 21.00 |
|  |        | 50  | 50 | 20.00 | 20.05 | 19.96 | 21.00 |
|  | 64QAM  | 100 | 0  | 19.96 | 20.04 | 20.03 | 21.00 |
|  |        | 1   | 0  | 20.01 | 20.06 | 20.03 | 21.00 |
|  |        | 1   | 50 | 19.99 | 20.05 | 20.04 | 21.00 |
|  |        | 1   | 99 | 19.97 | 20.09 | 20.03 | 21.00 |
|  |        | 50  | 0  | 19.97 | 20.11 | 20.03 | 21.00 |
|  |        | 50  | 25 | 19.95 | 20.04 | 19.98 | 21.00 |
|  | 256QAM | 50  | 50 | 20.00 | 20.06 | 19.98 | 21.00 |
|  |        | 100 | 0  | 20.02 | 20.05 | 19.98 | 21.00 |
|  |        | 1   | 0  | 17.97 | 18.03 | 18.02 | 19.00 |
|  |        | 1   | 50 | 18.10 | 18.06 | 17.99 | 19.00 |
|  |        | 1   | 99 | 18.07 | 18.03 | 17.99 | 19.00 |
|  |        | 50  | 0  | 18.05 | 18.08 | 17.98 | 19.00 |
|  |        | 50  | 25 | 17.98 | 18.00 | 18.04 | 19.00 |
|  |        | 50  | 50 | 18.04 | 18.03 | 18.06 | 19.00 |
|  |        | 100 | 0  | 18.05 | 18.06 | 18.11 | 19.00 |

| LTE Band 66 Hotspot for Simultaneous ULCA&ENDC |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                |            |         |           | 131979               | 132322  | 132665  |         |
| 1.4MHz                                         | QPSK       | 1       | 0         | 18.56                | 18.56   | 18.52   | 19.50   |
|                                                |            | 1       | 2         | 18.41                | 18.39   | 18.38   | 19.50   |
|                                                |            | 1       | 5         | 18.36                | 18.49   | 18.42   | 19.50   |
|                                                |            | 3       | 0         | 18.42                | 18.46   | 18.43   | 19.50   |
|                                                |            | 3       | 1         | 18.42                | 18.49   | 18.40   | 19.50   |
|                                                |            | 3       | 3         | 18.39                | 18.44   | 18.40   | 19.50   |
|                                                | 16QAM      | 6       | 0         | 18.37                | 18.44   | 18.47   | 19.50   |
|                                                |            | 1       | 0         | 18.44                | 18.42   | 18.40   | 19.50   |
|                                                |            | 1       | 2         | 18.36                | 18.45   | 18.41   | 19.50   |
|                                                |            | 1       | 5         | 18.33                | 18.44   | 18.36   | 19.50   |
|                                                |            | 3       | 0         | 18.45                | 18.45   | 18.41   | 19.50   |
|                                                |            | 3       | 1         | 18.40                | 18.53   | 18.39   | 19.50   |
|                                                | 64QAM      | 3       | 3         | 18.40                | 18.41   | 18.36   | 19.50   |
|                                                |            | 6       | 0         | 18.46                | 18.40   | 18.35   | 19.50   |
|                                                |            | 1       | 0         | 18.37                | 18.48   | 18.34   | 19.50   |
|                                                |            | 1       | 2         | 18.36                | 18.53   | 18.33   | 19.50   |
|                                                |            | 1       | 5         | 18.40                | 18.49   | 18.41   | 19.50   |
|                                                |            | 3       | 0         | 18.34                | 18.49   | 18.35   | 19.50   |
|                                                | 256QAM     | 3       | 1         | 18.35                | 18.50   | 18.44   | 19.50   |
|                                                |            | 3       | 3         | 18.38                | 18.52   | 18.37   | 19.50   |
|                                                |            | 6       | 0         | 18.34                | 18.46   | 18.38   | 19.50   |
|                                                |            | 1       | 0         | 17.84                | 17.89   | 17.90   | 19.00   |
|                                                |            | 1       | 2         | 17.96                | 17.93   | 17.88   | 19.00   |
|                                                |            | 1       | 5         | 18.00                | 17.93   | 17.91   | 19.00   |
| 3MHz                                           | QPSK       | 3       | 0         | 17.91                | 18.00   | 17.91   | 19.00   |
|                                                |            | 3       | 1         | 17.87                | 17.88   | 17.95   | 19.00   |
|                                                |            | 3       | 3         | 17.92                | 17.93   | 17.98   | 19.00   |
|                                                |            | 6       | 0         | 17.98                | 17.99   | 18.02   | 19.00   |
|                                                |            | 1       | 0         | 18.58                | 18.56   | 18.54   | 19.50   |
|                                                |            | 1       | 7         | 18.38                | 18.47   | 18.39   | 19.50   |
|                                                |            | 1       | 14        | 18.38                | 18.47   | 18.38   | 19.50   |
|                                                |            | 8       | 0         | 18.39                | 18.46   | 18.39   | 19.50   |
|                                                |            | 8       | 4         | 18.39                | 18.50   | 18.44   | 19.50   |
|                                                |            | 8       | 7         | 18.38                | 18.44   | 18.44   | 19.50   |
|                                                |            | 15      | 0         | 18.34                | 18.48   | 18.41   | 19.50   |

|       |        |         |         |         |         |       |       |
|-------|--------|---------|---------|---------|---------|-------|-------|
|       | 16QAM  | 1       | 0       | 18.37   | 18.46   | 18.35 | 19.50 |
|       |        | 1       | 7       | 18.39   | 18.48   | 18.42 | 19.50 |
|       |        | 1       | 14      | 18.34   | 18.41   | 18.39 | 19.50 |
|       |        | 8       | 0       | 18.37   | 18.42   | 18.47 | 19.50 |
|       |        | 8       | 4       | 18.43   | 18.52   | 18.42 | 19.50 |
|       |        | 8       | 7       | 18.38   | 18.45   | 18.35 | 19.50 |
|       | 64QAM  | 15      | 0       | 18.46   | 18.38   | 18.35 | 19.50 |
|       |        | 1       | 0       | 18.42   | 18.47   | 18.42 | 19.50 |
|       |        | 1       | 7       | 18.34   | 18.46   | 18.40 | 19.50 |
|       |        | 1       | 14      | 18.47   | 18.45   | 18.42 | 19.50 |
|       |        | 8       | 0       | 18.33   | 18.50   | 18.36 | 19.50 |
|       |        | 8       | 4       | 18.37   | 18.44   | 18.44 | 19.50 |
|       | 256QAM | 8       | 7       | 18.31   | 18.53   | 18.34 | 19.50 |
|       |        | 15      | 0       | 18.38   | 18.47   | 18.44 | 19.50 |
|       |        | 1       | 0       | 17.83   | 17.88   | 17.95 | 19.00 |
|       |        | 1       | 7       | 18.03   | 17.99   | 17.92 | 19.00 |
|       |        | 1       | 14      | 18.01   | 17.88   | 17.88 | 19.00 |
|       |        | 8       | 0       | 17.93   | 17.98   | 17.88 | 19.00 |
| 5MHz  | QPSK   | 8       | 4       | 17.88   | 17.86   | 17.97 | 19.00 |
|       |        | 8       | 7       | 17.95   | 17.94   | 18.00 | 19.00 |
|       |        | 15      | 0       | 17.92   | 17.99   | 17.97 | 19.00 |
|       |        | Channel | Channel | Channel | Tune up |       |       |
|       |        | 131997  | 132322  | 132647  |         |       |       |
|       |        | 16QAM   | 1       | 0       | 18.50   | 18.62 | 18.55 |
|       | 1      |         | 13      | 18.34   | 18.43   | 18.37 | 19.50 |
|       | 1      |         | 24      | 18.36   | 18.52   | 18.39 | 19.50 |
|       | 12     |         | 0       | 18.38   | 18.48   | 18.42 | 19.50 |
|       | 12     |         | 6       | 18.43   | 18.50   | 18.42 | 19.50 |
|       | 12     |         | 13      | 18.37   | 18.44   | 18.43 | 19.50 |
|       | 64QAM  | 25      | 0       | 18.40   | 18.46   | 18.42 | 19.50 |
|       |        | 1       | 0       | 18.44   | 18.44   | 18.38 | 19.50 |
|       |        | 1       | 13      | 18.37   | 18.49   | 18.38 | 19.50 |
|       |        | 1       | 24      | 18.38   | 18.45   | 18.39 | 19.50 |
|       |        | 12      | 0       | 18.41   | 18.44   | 18.41 | 19.50 |
|       |        | 12      | 6       | 18.38   | 18.54   | 18.39 | 19.50 |
|       | 256QAM | 12      | 13      | 18.35   | 18.37   | 18.35 | 19.50 |
| 25    |        | 0       | 18.37   | 18.45   | 18.34   | 19.50 |       |
| 1     |        | 0       | 18.37   | 18.48   | 18.34   | 19.50 |       |
| 1     |        | 13      | 18.32   | 18.45   | 18.35   | 19.50 |       |
| 1     |        | 24      | 18.48   | 18.47   | 18.41   | 19.50 |       |
| 12    |        | 0       | 18.39   | 18.49   | 18.36   | 19.50 |       |
| 10MHz | QPSK   | 12      | 6       | 18.32   | 18.50   | 18.48 | 19.50 |
|       |        | 12      | 13      | 18.40   | 18.46   | 18.32 | 19.50 |
|       |        | 25      | 0       | 18.36   | 18.43   | 18.41 | 19.50 |
|       |        | 1       | 0       | 17.85   | 17.92   | 17.93 | 19.00 |
|       |        | 1       | 13      | 18.00   | 17.99   | 17.92 | 19.00 |
|       |        | 1       | 24      | 17.99   | 17.88   | 17.89 | 19.00 |
|       | 16QAM  | 12      | 0       | 17.95   | 17.94   | 17.85 | 19.00 |
|       |        | 12      | 6       | 17.88   | 17.90   | 17.94 | 19.00 |
|       |        | 12      | 13      | 17.93   | 17.97   | 17.96 | 19.00 |
|       |        | 25      | 0       | 17.95   | 18.00   | 18.00 | 19.00 |
|       |        | Channel | Channel | Channel | Tune up |       |       |
|       |        | 132022  | 132322  | 132622  |         |       |       |
|       | QPSK   | 1       | 0       | 18.49   | 18.58   | 18.52 | 19.50 |
|       |        | 1       | 25      | 18.34   | 18.39   | 18.38 | 19.50 |
|       |        | 1       | 49      | 18.30   | 18.48   | 18.38 | 19.50 |
|       |        | 25      | 0       | 18.38   | 18.46   | 18.44 | 19.50 |
|       |        | 25      | 13      | 18.43   | 18.48   | 18.45 | 19.50 |
|       |        | 25      | 25      | 18.41   | 18.45   | 18.45 | 19.50 |
| 16QAM | 50     | 0       | 18.33   | 18.44   | 18.42   | 19.50 |       |
|       | 1      | 0       | 18.45   | 18.42   | 18.38   | 19.50 |       |
|       | 1      | 25      | 18.39   | 18.42   | 18.46   | 19.50 |       |
|       | 1      | 49      | 18.41   | 18.39   | 18.40   | 19.50 |       |
|       | 25     | 0       | 18.38   | 18.46   | 18.40   | 19.50 |       |
|       | 25     | 13      | 18.41   | 18.50   | 18.37   | 19.50 |       |
| 64QAM | 25     | 25      | 18.39   | 18.42   | 18.37   | 19.50 |       |
|       | 50     | 0       | 18.37   | 18.40   | 18.32   | 19.50 |       |
|       | 1      | 0       | 18.40   | 18.51   | 18.42   | 19.50 |       |
|       | 1      | 25      | 18.31   | 18.54   | 18.39   | 19.50 |       |
|       | 1      | 49      | 18.42   | 18.49   | 18.37   | 19.50 |       |
|       |        |         |         |         |         |       |       |

|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 25             | 0                | 18.32          | 18.49          | 18.33          | 19.50          |
|                  |                   | 25             | 13               | 18.34          | 18.51          | 18.42          | 19.50          |
|                  |                   | 25             | 25               | 18.34          | 18.47          | 18.33          | 19.50          |
|                  |                   | 50             | 0                | 18.37          | 18.41          | 18.44          | 19.50          |
|                  | 256QAM            | 1              | 0                | 17.85          | 17.91          | 17.90          | 19.00          |
|                  |                   | 1              | 25               | 18.02          | 17.99          | 17.85          | 19.00          |
|                  |                   | 1              | 49               | 17.92          | 17.89          | 17.87          | 19.00          |
|                  |                   | 25             | 0                | 17.95          | 17.99          | 17.84          | 19.00          |
|                  |                   | 25             | 13               | 17.91          | 17.86          | 17.97          | 19.00          |
|                  |                   | 25             | 25               | 17.96          | 17.93          | 17.97          | 19.00          |
|                  |                   | 50             | 0                | 17.92          | 17.95          | 18.02          | 19.00          |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 132047         | 132322         | 132597         |                |
| 15MHz            | QPSK              | 1              | 0                | 18.55          | 18.60          | 18.54          | 19.50          |
|                  |                   | 1              | 38               | 18.39          | 18.40          | 18.41          | 19.50          |
|                  |                   | 1              | 74               | 18.36          | 18.52          | 18.37          | 19.50          |
|                  |                   | 36             | 0                | 18.35          | 18.53          | 18.43          | 19.50          |
|                  |                   | 36             | 18               | 18.37          | 18.48          | 18.41          | 19.50          |
|                  |                   | 36             | 39               | 18.40          | 18.46          | 18.41          | 19.50          |
|                  | 16QAM             | 75             | 0                | 18.34          | 18.43          | 18.39          | 19.50          |
|                  |                   | 1              | 0                | 18.37          | 18.41          | 18.37          | 19.50          |
|                  |                   | 1              | 38               | 18.38          | 18.46          | 18.41          | 19.50          |
|                  |                   | 1              | 74               | 18.39          | 18.43          | 18.34          | 19.50          |
|                  |                   | 36             | 0                | 18.37          | 18.49          | 18.44          | 19.50          |
|                  |                   | 36             | 18               | 18.42          | 18.46          | 18.41          | 19.50          |
|                  | 64QAM             | 36             | 39               | 18.37          | 18.38          | 18.38          | 19.50          |
|                  |                   | 75             | 0                | 18.45          | 18.41          | 18.38          | 19.50          |
|                  |                   | 1              | 0                | 18.38          | 18.50          | 18.36          | 19.50          |
|                  |                   | 1              | 38               | 18.31          | 18.48          | 18.36          | 19.50          |
|                  |                   | 1              | 74               | 18.46          | 18.48          | 18.41          | 19.50          |
|                  |                   | 36             | 0                | 18.32          | 18.48          | 18.38          | 19.50          |
|                  | 256QAM            | 36             | 18               | 18.31          | 18.51          | 18.47          | 19.50          |
|                  |                   | 36             | 39               | 18.33          | 18.48          | 18.36          | 19.50          |
|                  |                   | 75             | 0                | 18.37          | 18.46          | 18.46          | 19.50          |
|                  |                   | 1              | 0                | 17.90          | 17.96          | 17.89          | 19.00          |
|                  |                   | 1              | 38               | 18.02          | 17.96          | 17.85          | 19.00          |
|                  |                   | 1              | 74               | 17.99          | 17.89          | 17.86          | 19.00          |
| 20MHz            | QPSK              | 36             | 0                | 17.91          | 17.95          | 17.87          | 19.00          |
|                  |                   | 36             | 18               | 17.86          | 17.89          | 17.95          | 19.00          |
|                  |                   | 36             | 39               | 17.95          | 17.95          | 17.98          | 19.00          |
|                  |                   | 75             | 0                | 17.98          | 18.00          | 18.00          | 19.00          |
|                  | 16QAM             | 1              | 0                | 18.64          | 18.69          | 18.61          | 19.50          |
|                  |                   | 1              | 50               | 18.47          | 18.54          | 18.50          | 19.50          |
|                  |                   | 1              | 99               | 18.45          | 18.60          | 18.50          | 19.50          |
|                  |                   | 50             | 0                | 18.49          | 18.60          | 18.53          | 19.50          |
|                  |                   | 50             | 25               | 18.51          | 18.58          | 18.51          | 19.50          |
|                  |                   | 50             | 50               | 18.48          | 18.57          | 18.55          | 19.50          |
|                  | 64QAM             | 100            | 0                | 18.46          | 18.57          | 18.53          | 19.50          |
|                  |                   | 1              | 0                | 18.52          | 18.55          | 18.46          | 19.50          |
|                  |                   | 1              | 50               | 18.50          | 18.57          | 18.53          | 19.50          |
|                  |                   | 1              | 99               | 18.47          | 18.53          | 18.48          | 19.50          |
|                  |                   | 50             | 0                | 18.51          | 18.57          | 18.54          | 19.50          |
|                  |                   | 50             | 25               | 18.51          | 18.61          | 18.49          | 19.50          |
|                  | 256QAM            | 50             | 50               | 18.50          | 18.52          | 18.49          | 19.50          |
|                  |                   | 100            | 0                | 18.52          | 18.52          | 18.47          | 19.50          |
|                  |                   | 1              | 0                | 18.49          | 18.58          | 18.48          | 19.50          |
|                  |                   | 1              | 50               | 18.46          | 18.60          | 18.47          | 19.50          |
|                  |                   | 1              | 99               | 18.54          | 18.57          | 18.52          | 19.50          |
|                  |                   | 50             | 0                | 18.46          | 18.60          | 18.48          | 19.50          |
|                  | QPSK              | 50             | 25               | 18.46          | 18.59          | 18.54          | 19.50          |
|                  |                   | 50             | 50               | 18.46          | 18.59          | 18.47          | 19.50          |
|                  |                   | 100            | 0                | 18.46          | 18.56          | 18.53          | 19.50          |
|                  |                   | 1              | 0                | 17.97          | 18.03          | 18.02          | 19.00          |
|                  |                   | 1              | 50               | 18.10          | 18.06          | 17.99          | 19.00          |
|                  |                   | 1              | 99               | 18.07          | 18.03          | 17.99          | 19.00          |
|                  |                   | 50             | 0                | 18.05          | 18.08          | 17.98          | 19.00          |
|                  |                   | 50             | 25               | 17.98          | 18.00          | 18.04          | 19.00          |
|                  |                   | 50             | 50               | 18.04          | 18.03          | 18.06          | 19.00          |

|  |  |     |   |       |       |       |       |
|--|--|-----|---|-------|-------|-------|-------|
|  |  | 100 | 0 | 18.05 | 18.06 | 18.11 | 19.00 |
|--|--|-----|---|-------|-------|-------|-------|

| LTE Band 71 full power |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 133147               | 133297  | 133447  |         |
| 5MHz                   | QPSK       | 1       | 0         | 23.17                | 23.3    | 23.24   | 24.00   |
|                        |            | 1       | 13        | 23.26                | 23.16   | 23.13   | 24.00   |
|                        |            | 1       | 24        | 23.06                | 23.2    | 23.15   | 24.00   |
|                        |            | 12      | 0         | 22.15                | 22.19   | 22.04   | 23.00   |
|                        |            | 12      | 6         | 22.07                | 22.16   | 22      | 23.00   |
|                        |            | 12      | 13        | 22.23                | 22.18   | 22.13   | 23.00   |
|                        |            | 25      | 0         | 22.13                | 22.14   | 22.06   | 23.00   |
|                        | 16QAM      | 1       | 0         | 22.09                | 22.24   | 22.11   | 23.00   |
|                        |            | 1       | 13        | 22.22                | 22.23   | 22.07   | 23.00   |
|                        |            | 1       | 24        | 22.1                 | 22.28   | 22.04   | 23.00   |
|                        |            | 12      | 0         | 21.14                | 21.23   | 21.11   | 22.00   |
|                        |            | 12      | 6         | 21.02                | 21.2    | 21.14   | 22.00   |
|                        |            | 12      | 13        | 21.06                | 21.17   | 21.08   | 22.00   |
|                        |            | 25      | 0         | 21.27                | 21.25   | 21.18   | 22.00   |
|                        | 64QAM      | 1       | 0         | 21.11                | 21.22   | 21.19   | 22.00   |
|                        |            | 1       | 13        | 21.11                | 21.10   | 21.07   | 22.00   |
|                        |            | 1       | 24        | 21.17                | 21.21   | 21.19   | 22.00   |
|                        |            | 12      | 0         | 20.26                | 20.25   | 20.08   | 21.00   |
|                        |            | 12      | 6         | 20.11                | 20.25   | 20.21   | 21.00   |
|                        |            | 12      | 13        | 20.06                | 20.29   | 20.26   | 21.00   |
|                        |            | 25      | 0         | 20.04                | 20.18   | 20.08   | 21.00   |
|                        | 256QAM     | 1       | 0         | 18.14                | 18.25   | 18.12   | 19.00   |
|                        |            | 1       | 13        | 18.05                | 18.12   | 18.02   | 19.00   |
|                        |            | 1       | 24        | 18.19                | 18.19   | 18.07   | 19.00   |
|                        |            | 12      | 0         | 18.21                | 18.13   | 18.10   | 19.00   |
|                        |            | 12      | 6         | 18.14                | 18.20   | 18.07   | 19.00   |
|                        |            | 12      | 13        | 18.06                | 18.16   | 18.20   | 19.00   |
|                        |            | 25      | 0         | 18.15                | 18.23   | 18.23   | 19.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 133172               | 133297  | 133422  |         |
| 10MHz                  | QPSK       | 1       | 0         | 23.17                | 23.28   | 23.22   | 24.00   |
|                        |            | 1       | 25        | 23.15                | 23.13   | 23.11   | 24.00   |
|                        |            | 1       | 49        | 23.08                | 23.21   | 23.1    | 24.00   |
|                        |            | 25      | 0         | 22.17                | 22.24   | 22.01   | 23.00   |
|                        |            | 25      | 13        | 22.14                | 22.14   | 22.03   | 23.00   |
|                        |            | 25      | 25        | 22.25                | 22.23   | 22.15   | 23.00   |
|                        |            | 50      | 0         | 22.1                 | 22.13   | 22.01   | 23.00   |
|                        | 16QAM      | 1       | 0         | 22.1                 | 22.24   | 22.12   | 23.00   |
|                        |            | 1       | 25        | 22.14                | 22.17   | 22.09   | 23.00   |
|                        |            | 1       | 49        | 22.16                | 22.16   | 22.02   | 23.00   |
|                        |            | 25      | 0         | 21.01                | 21.25   | 21.13   | 22.00   |
|                        |            | 25      | 13        | 21.07                | 21.14   | 21.03   | 22.00   |
|                        |            | 25      | 25        | 21.07                | 21.14   | 21.15   | 22.00   |
|                        |            | 50      | 0         | 21.27                | 21.27   | 21.06   | 22.00   |
|                        | 64QAM      | 1       | 0         | 21.02                | 21.13   | 21.13   | 22.00   |
|                        |            | 1       | 25        | 21.12                | 21.17   | 21.07   | 22.00   |
|                        |            | 1       | 49        | 21.16                | 21.25   | 21.17   | 22.00   |
|                        |            | 25      | 0         | 20.21                | 20.24   | 19.98   | 21.00   |
|                        |            | 25      | 13        | 20.19                | 20.14   | 20.10   | 21.00   |
|                        |            | 25      | 25        | 20.13                | 20.18   | 20.19   | 21.00   |
|                        |            | 50      | 0         | 20.06                | 20.19   | 20.06   | 21.00   |
|                        | 256QAM     | 1       | 0         | 18.06                | 18.28   | 18.17   | 19.00   |
|                        |            | 1       | 25        | 18.03                | 18.25   | 18.09   | 19.00   |
|                        |            | 1       | 49        | 18.13                | 18.11   | 18.08   | 19.00   |
|                        |            | 25      | 0         | 18.22                | 18.15   | 18.08   | 19.00   |
|                        |            | 25      | 13        | 18.11                | 18.21   | 18.17   | 19.00   |
|                        |            | 25      | 25        | 18.05                | 18.18   | 18.21   | 19.00   |
|                        |            | 50      | 0         | 18.11                | 18.17   | 18.12   | 19.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | /                    | 133297  | /       |         |
| 15MHz                  | QPSK       | 1       | 0         | /                    | 23.31   | /       | 24.00   |
|                        |            | 1       | 38        | /                    | 23.16   | /       | 24.00   |
|                        |            | 1       | 74        | /                    | 23.25   | /       | 24.00   |

|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 36             | 0                | /              | 22.22          | /              | 23.00          |
|                  |                   | 36             | 18               | /              | 22.27          | /              | 23.00          |
|                  |                   | 36             | 39               | /              | 22.24          | /              | 23.00          |
|                  |                   | 75             | 0                | /              | 22.17          | /              | 23.00          |
|                  | 16QAM             | 1              | 0                | /              | 22.18          | /              | 23.00          |
|                  |                   | 1              | 38               | /              | 22.2           | /              | 23.00          |
|                  |                   | 1              | 74               | /              | 22.17          | /              | 23.00          |
|                  |                   | 36             | 0                | /              | 21.16          | /              | 22.00          |
|                  |                   | 36             | 18               | /              | 21.25          | /              | 22.00          |
|                  |                   | 36             | 39               | /              | 21.19          | /              | 22.00          |
|                  |                   | 75             | 0                | /              | 21.15          | /              | 22.00          |
|                  |                   | 1              | 0                | /              | 21.17          | /              | 22.00          |
|                  | 64QAM             | 1              | 38               | /              | 21.19          | /              | 22.00          |
|                  |                   | 1              | 74               | /              | 21.20          | /              | 22.00          |
|                  |                   | 36             | 0                | /              | 20.20          | /              | 21.00          |
|                  |                   | 36             | 18               | /              | 20.19          | /              | 21.00          |
|                  |                   | 36             | 39               | /              | 20.23          | /              | 21.00          |
|                  |                   | 75             | 0                | /              | 20.25          | /              | 21.00          |
|                  |                   | 1              | 0                | /              | 18.26          | /              | 19.00          |
|                  |                   | 1              | 38               | /              | 18.11          | /              | 19.00          |
|                  | 256QAM            | 1              | 74               | /              | 18.13          | /              | 19.00          |
|                  |                   | 36             | 0                | /              | 18.22          | /              | 19.00          |
|                  |                   | 36             | 18               | /              | 18.25          | /              | 19.00          |
|                  |                   | 36             | 39               | /              | 18.20          | /              | 19.00          |
|                  |                   | 75             | 0                | /              | 18.14          | /              | 19.00          |
|                  |                   | 1              | 0                | /              | 18.26          | /              | 19.00          |
|                  |                   | 1              | 38               | /              | 18.11          | /              | 19.00          |
|                  |                   | 1              | 74               | /              | 18.13          | /              | 19.00          |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
| <b>20MHz</b>     | QPSK              | 1              | 0                | /              | 133322         | /              | 24.00          |
|                  |                   | 1              | 50               | /              | 23.31          | /              | 24.00          |
|                  |                   | 1              | 99               | /              | 23.27          | /              | 24.00          |
|                  |                   | 50             | 0                | /              | 23.26          | /              | 24.00          |
|                  |                   | 50             | 25               | /              | 22.33          | /              | 23.00          |
|                  |                   | 50             | 50               | /              | 22.28          | /              | 23.00          |
|                  |                   | 100            | 0                | /              | 22.27          | /              | 23.00          |
|                  |                   | 1              | 0                | /              | 22.27          | /              | 23.00          |
|                  | 16QAM             | 1              | 0                | /              | 22.29          | /              | 23.00          |
|                  |                   | 1              | 50               | /              | 22.28          | /              | 23.00          |
|                  |                   | 1              | 99               | /              | 22.3           | /              | 23.00          |
|                  |                   | 50             | 0                | /              | 21.26          | /              | 22.00          |
|                  |                   | 50             | 25               | /              | 21.25          | /              | 22.00          |
|                  |                   | 50             | 50               | /              | 21.24          | /              | 22.00          |
|                  |                   | 100            | 0                | /              | 21.29          | /              | 22.00          |
|                  |                   | 1              | 0                | /              | 21.27          | /              | 22.00          |
|                  | 64QAM             | 1              | 50               | /              | 21.24          | /              | 22.00          |
|                  |                   | 1              | 99               | /              | 21.29          | /              | 22.00          |
|                  |                   | 50             | 0                | /              | 20.28          | /              | 21.00          |
|                  |                   | 50             | 25               | /              | 20.28          | /              | 21.00          |
|                  |                   | 50             | 50               | /              | 20.29          | /              | 21.00          |
|                  |                   | 100            | 0                | /              | 20.26          | /              | 21.00          |
|                  |                   | 1              | 0                | /              | 18.28          | /              | 19.00          |
|                  |                   | 1              | 50               | /              | 18.26          | /              | 19.00          |
|                  | 256QAM            | 1              | 99               | /              | 18.26          | /              | 19.00          |
|                  |                   | 50             | 0                | /              | 18.28          | /              | 19.00          |
|                  |                   | 50             | 25               | /              | 18.27          | /              | 19.00          |
|                  |                   | 50             | 50               | /              | 18.30          | /              | 19.00          |
|                  |                   | 100            | 0                | /              | 18.25          | /              | 19.00          |
|                  |                   | 1              | 0                | /              | 18.28          | /              | 19.00          |
|                  |                   | 1              | 50               | /              | 18.26          | /              | 19.00          |
|                  |                   | 1              | 99               | /              | 18.26          | /              | 19.00          |

## 1.2 Conducted Power of Legacy (Ant1)

| LTE Band 2 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 22.72                | 22.91   | 22.77   | 24.00   |
|                        |            | 1       | 2         | 22.74                | 22.79   | 22.69   | 24.00   |
|                        |            | 1       | 5         | 22.63                | 22.85   | 22.70   | 24.00   |
|                        |            | 3       | 0         | 22.58                | 22.81   | 22.66   | 24.00   |
|                        |            | 3       | 2         | 22.70                | 22.64   | 22.69   | 24.00   |
|                        |            | 3       | 3         | 22.55                | 22.80   | 22.67   | 24.00   |
|                        | 16QAM      | 6       | 0         | 21.78                | 21.82   | 21.68   | 23.00   |
|                        |            | 1       | 0         | 21.67                | 21.83   | 21.71   | 23.00   |
|                        |            | 1       | 2         | 21.75                | 21.84   | 21.70   | 23.00   |
|                        |            | 1       | 5         | 21.70                | 21.86   | 21.70   | 23.00   |
|                        |            | 3       | 0         | 21.59                | 21.74   | 21.60   | 23.00   |
|                        |            | 3       | 2         | 21.64                | 21.80   | 21.61   | 23.00   |
|                        | 64QAM      | 3       | 3         | 21.56                | 21.81   | 21.56   | 23.00   |
|                        |            | 6       | 0         | 20.71                | 20.86   | 20.72   | 22.00   |
|                        |            | 1       | 0         | 20.69                | 20.81   | 20.73   | 22.00   |
|                        |            | 1       | 2         | 20.72                | 20.82   | 20.66   | 22.00   |
|                        |            | 1       | 5         | 20.79                | 20.90   | 20.67   | 22.00   |
|                        |            | 3       | 0         | 20.60                | 20.68   | 20.58   | 22.00   |
|                        | 256QAM     | 3       | 2         | 20.71                | 20.70   | 20.60   | 22.00   |
|                        |            | 3       | 3         | 20.65                | 20.85   | 20.53   | 22.00   |
|                        |            | 6       | 0         | 20.69                | 20.79   | 20.63   | 21.00   |
|                        |            | 1       | 0         | 17.66                | 17.88   | 17.70   | 19.00   |
|                        |            | 1       | 2         | 17.61                | 17.79   | 17.66   | 19.00   |
|                        |            | 1       | 5         | 17.63                | 17.91   | 17.74   | 19.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                   | QPSK       | 1       | 0         | 22.72                | 22.96   | 22.69   | 24.00   |
|                        |            | 1       | 7         | 22.78                | 22.88   | 22.66   | 24.00   |
|                        |            | 1       | 14        | 22.61                | 22.80   | 22.71   | 24.00   |
|                        |            | 8       | 0         | 21.66                | 21.83   | 21.67   | 23.00   |
|                        |            | 8       | 4         | 21.71                | 21.87   | 21.64   | 23.00   |
|                        |            | 8       | 7         | 21.70                | 21.90   | 21.72   | 23.00   |
|                        | 16QAM      | 15      | 0         | 21.73                | 21.89   | 21.72   | 23.00   |
|                        |            | 1       | 0         | 21.74                | 21.90   | 21.74   | 23.00   |
|                        |            | 1       | 7         | 21.64                | 21.81   | 21.66   | 23.00   |
|                        |            | 1       | 14        | 21.69                | 21.90   | 21.79   | 23.00   |
|                        |            | 8       | 0         | 20.72                | 20.86   | 20.74   | 22.00   |
|                        |            | 8       | 4         | 20.65                | 20.80   | 20.62   | 22.00   |
|                        | 64QAM      | 8       | 7         | 20.63                | 20.83   | 20.63   | 22.00   |
|                        |            | 15      | 0         | 20.69                | 20.85   | 20.71   | 22.00   |
|                        |            | 1       | 0         | 20.61                | 20.82   | 20.68   | 22.00   |
|                        |            | 1       | 7         | 20.59                | 20.80   | 20.70   | 22.00   |
|                        |            | 1       | 14        | 20.67                | 20.77   | 20.65   | 22.00   |
|                        |            | 8       | 0         | 19.70                | 19.78   | 19.75   | 21.00   |
|                        | 256QAM     | 8       | 4         | 19.74                | 19.78   | 19.73   | 21.00   |
|                        |            | 8       | 7         | 19.78                | 19.88   | 19.71   | 21.00   |
|                        |            | 15      | 0         | 19.62                | 19.83   | 19.67   | 21.00   |
|                        |            | 1       | 0         | 17.76                | 17.76   | 17.67   | 19.00   |
|                        |            | 1       | 7         | 17.62                | 17.80   | 17.62   | 19.00   |
|                        |            | 1       | 14        | 17.66                | 17.86   | 17.73   | 19.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 18625                | 18900   | 19175   |         |
| 5MHz                   | QPSK       | 1       | 0         | 22.66                | 22.86   | 22.72   | 24.00   |
|                        |            | 1       | 13        | 22.70                | 22.76   | 22.74   | 24.00   |
|                        |            | 1       | 24        | 22.65                | 22.85   | 22.68   | 24.00   |

|           |            | 12      | 0         | 21.68   | 21.88   | 21.67   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 21.66   | 21.77   | 21.69   | 23.00   |
|           |            | 12      | 13        | 21.74   | 21.83   | 21.64   | 23.00   |
|           |            | 25      | 0         | 21.76   | 21.84   | 21.73   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.75   | 21.78   | 21.82   | 23.00   |
|           |            | 1       | 13        | 21.76   | 21.89   | 21.71   | 23.00   |
|           |            | 1       | 24        | 21.70   | 21.83   | 21.71   | 23.00   |
|           |            | 12      | 0         | 20.78   | 20.85   | 20.63   | 22.00   |
|           |            | 12      | 6         | 20.70   | 20.90   | 20.70   | 22.00   |
|           |            | 12      | 13        | 20.64   | 20.86   | 20.62   | 22.00   |
|           |            | 25      | 0         | 20.75   | 20.87   | 20.71   | 22.00   |
|           |            | 25      | 0         | 20.74   | 20.88   | 20.70   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.72   | 20.79   | 20.63   | 22.00   |
|           |            | 1       | 13        | 20.68   | 20.78   | 20.69   | 22.00   |
|           |            | 1       | 24        | 20.68   | 20.78   | 20.69   | 22.00   |
|           |            | 12      | 0         | 19.69   | 19.87   | 19.71   | 21.00   |
|           |            | 12      | 6         | 19.73   | 19.86   | 19.67   | 21.00   |
|           |            | 12      | 13        | 19.75   | 19.82   | 19.76   | 21.00   |
|           | 256QAM     | 25      | 0         | 19.66   | 19.82   | 19.73   | 21.00   |
|           |            | 1       | 0         | 17.66   | 17.86   | 17.68   | 19.00   |
|           |            | 1       | 13        | 17.74   | 17.76   | 17.72   | 19.00   |
|           |            | 1       | 24        | 17.63   | 17.77   | 17.71   | 19.00   |
|           |            | 12      | 0         | 17.74   | 17.77   | 17.71   | 19.00   |
|           |            | 12      | 6         | 17.66   | 17.81   | 17.73   | 19.00   |
|           |            | 12      | 13        | 17.80   | 17.86   | 17.80   | 19.00   |
|           |            | 25      | 0         | 17.60   | 17.86   | 17.77   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 18650   |           | 18900   |         | 19150   |         |
|           |            | 1       | 0         | 22.69   | 22.86   | 22.83   | 24.00   |
|           |            | 1       | 25        | 22.73   | 22.80   | 22.67   | 24.00   |
|           |            | 1       | 49        | 22.63   | 22.81   | 22.74   | 24.00   |
|           |            | 25      | 0         | 21.75   | 21.77   | 21.69   | 23.00   |
|           |            | 25      | 13        | 21.71   | 21.86   | 21.74   | 23.00   |
|           |            | 25      | 25        | 21.75   | 21.90   | 21.67   | 23.00   |
|           | 16QAM      | 50      | 0         | 21.76   | 21.83   | 21.77   | 23.00   |
|           |            | 1       | 0         | 21.73   | 21.91   | 21.84   | 23.00   |
|           |            | 1       | 25        | 21.73   | 21.89   | 21.77   | 23.00   |
|           |            | 1       | 49        | 21.71   | 21.88   | 21.68   | 23.00   |
|           |            | 25      | 0         | 20.66   | 20.82   | 20.63   | 22.00   |
|           |            | 25      | 13        | 20.73   | 20.84   | 20.66   | 22.00   |
|           |            | 25      | 25        | 20.73   | 20.81   | 20.69   | 22.00   |
|           | 64QAM      | 50      | 0         | 20.71   | 20.78   | 20.79   | 22.00   |
|           |            | 1       | 0         | 20.74   | 20.87   | 20.68   | 22.00   |
|           |            | 1       | 25        | 20.63   | 20.85   | 20.74   | 22.00   |
|           |            | 1       | 49        | 20.71   | 20.85   | 20.68   | 22.00   |
|           |            | 25      | 0         | 19.72   | 19.81   | 19.77   | 21.00   |
|           |            | 25      | 13        | 19.66   | 19.79   | 19.73   | 21.00   |
|           |            | 25      | 25        | 19.82   | 19.89   | 19.70   | 21.00   |
|           | 256QAM     | 50      | 0         | 19.70   | 19.87   | 19.75   | 21.00   |
|           |            | 1       | 0         | 17.74   | 17.90   | 17.77   | 19.00   |
|           |            | 1       | 25        | 17.62   | 17.75   | 17.64   | 19.00   |
|           |            | 1       | 49        | 17.73   | 17.87   | 17.74   | 19.00   |
|           |            | 25      | 0         | 17.65   | 17.83   | 17.77   | 19.00   |
|           |            | 25      | 13        | 17.69   | 17.87   | 17.69   | 19.00   |
|           |            | 25      | 25        | 17.72   | 17.86   | 17.74   | 19.00   |
|           |            | 50      | 0         | 17.69   | 17.88   | 17.77   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 15MHz     | QPSK       | 18675   |           | 18900   |         | 19125   |         |
|           |            | 1       | 0         | 22.68   | 22.85   | 22.81   | 24.00   |
|           |            | 1       | 38        | 22.71   | 22.76   | 22.73   | 24.00   |
|           |            | 1       | 74        | 22.61   | 22.81   | 22.78   | 24.00   |
|           |            | 36      | 0         | 21.76   | 21.77   | 21.66   | 23.00   |
|           |            | 36      | 18        | 21.62   | 21.87   | 21.75   | 23.00   |
|           |            | 36      | 39        | 21.69   | 21.88   | 21.77   | 23.00   |
|           | 16QAM      | 75      | 0         | 21.75   | 21.81   | 21.64   | 23.00   |
|           |            | 1       | 0         | 21.67   | 21.84   | 21.71   | 23.00   |
|           |            | 1       | 38        | 21.65   | 21.92   | 21.77   | 23.00   |
|           |            | 1       | 74        | 21.68   | 21.79   | 21.78   | 23.00   |
|           |            | 36      | 0         | 20.69   | 20.84   | 20.71   | 22.00   |
|           |            | 36      | 18        | 20.67   | 20.83   | 20.62   | 22.00   |
|           |            | 36      | 39        | 20.67   | 20.83   | 20.67   | 22.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 64QAM      | 75      | 0         | 20.68   | 20.89   | 20.66   | 22.00   |
|           |            | 1       | 0         | 20.65   | 20.76   | 20.64   | 22.00   |
|           |            | 1       | 38        | 20.67   | 20.77   | 20.68   | 22.00   |
|           |            | 1       | 74        | 20.81   | 20.82   | 20.66   | 22.00   |
|           |            | 36      | 0         | 19.76   | 19.90   | 19.70   | 21.00   |
|           |            | 36      | 18        | 19.77   | 19.86   | 19.64   | 21.00   |
|           |            | 36      | 39        | 19.73   | 19.93   | 19.71   | 21.00   |
|           | 256QAM     | 75      | 0         | 19.71   | 19.81   | 19.70   | 21.00   |
|           |            | 1       | 0         | 17.72   | 17.79   | 17.73   | 19.00   |
|           |            | 1       | 38        | 17.61   | 17.72   | 17.76   | 19.00   |
|           |            | 1       | 74        | 17.64   | 17.78   | 17.63   | 19.00   |
|           |            | 36      | 0         | 17.68   | 17.88   | 17.78   | 19.00   |
|           |            | 36      | 18        | 17.75   | 17.84   | 17.73   | 19.00   |
|           |            | 36      | 39        | 17.76   | 17.83   | 17.78   | 19.00   |
|           |            | 75      | 0         | 17.71   | 17.89   | 17.79   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 22.81   | 22.96   | 22.84   | 24.00   |
|           |            | 1       | 50        | 22.78   | 22.90   | 22.76   | 24.00   |
|           |            | 1       | 99        | 22.76   | 22.90   | 22.82   | 24.00   |
|           |            | 50      | 0         | 21.77   | 21.94   | 21.76   | 23.00   |
|           |            | 50      | 25        | 21.75   | 21.90   | 21.77   | 23.00   |
|           |            | 50      | 50        | 21.77   | 21.93   | 21.78   | 23.00   |
|           |            | 100     | 0         | 21.80   | 21.90   | 21.78   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.81   | 21.92   | 21.84   | 23.00   |
|           |            | 1       | 50        | 21.79   | 21.93   | 21.79   | 23.00   |
|           |            | 1       | 99        | 21.83   | 21.93   | 21.83   | 23.00   |
|           |            | 50      | 0         | 20.79   | 20.89   | 20.77   | 22.00   |
|           |            | 50      | 25        | 20.76   | 20.93   | 20.74   | 22.00   |
|           |            | 50      | 50        | 20.74   | 20.89   | 20.76   | 22.00   |
|           |            | 100     | 0         | 20.82   | 20.91   | 20.79   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.74   | 20.89   | 20.79   | 22.00   |
|           |            | 1       | 50        | 20.73   | 20.88   | 20.77   | 22.00   |
|           |            | 1       | 99        | 20.81   | 20.90   | 20.77   | 22.00   |
|           |            | 50      | 0         | 19.83   | 19.93   | 19.81   | 21.00   |
|           |            | 50      | 25        | 19.77   | 19.92   | 19.77   | 21.00   |
|           |            | 50      | 50        | 19.82   | 19.95   | 19.82   | 21.00   |
|           |            | 100     | 0         | 19.77   | 19.90   | 19.79   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.80   | 17.91   | 17.78   | 19.00   |
|           |            | 1       | 50        | 17.75   | 17.87   | 17.76   | 19.00   |
|           |            | 1       | 99        | 17.75   | 17.91   | 17.74   | 19.00   |
|           |            | 50      | 0         | 17.76   | 17.91   | 17.78   | 19.00   |
|           |            | 50      | 25        | 17.77   | 17.92   | 17.76   | 19.00   |
|           |            | 50      | 50        | 17.83   | 17.94   | 17.82   | 19.00   |
|           |            | 100     | 0         | 17.72   | 17.91   | 17.79   | 19.00   |

| LTE Band 2 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 15.71                | 15.96   | 15.87   | 17.00   |
|                        |            | 1       | 2         | 15.77                | 15.73   | 15.66   | 17.00   |
|                        |            | 1       | 5         | 15.79                | 15.86   | 15.69   | 17.00   |
|                        |            | 3       | 0         | 15.78                | 15.81   | 15.64   | 17.00   |
|                        |            | 3       | 2         | 15.76                | 15.80   | 15.57   | 17.00   |
|                        |            | 3       | 3         | 15.75                | 15.81   | 15.75   | 17.00   |
|                        |            | 6       | 0         | 15.77                | 15.75   | 15.81   | 17.00   |
|                        | 16QAM      | 1       | 0         | 15.73                | 15.92   | 15.71   | 17.00   |
|                        |            | 1       | 2         | 15.80                | 15.88   | 15.61   | 17.00   |
|                        |            | 1       | 5         | 15.65                | 15.93   | 15.69   | 17.00   |
|                        |            | 3       | 0         | 15.60                | 15.95   | 15.70   | 17.00   |
|                        |            | 3       | 2         | 15.75                | 15.85   | 15.71   | 17.00   |
|                        |            | 3       | 3         | 15.82                | 15.75   | 15.83   | 17.00   |
|                        |            | 6       | 0         | 15.75                | 15.92   | 15.71   | 17.00   |
|                        | 64QAM      | 1       | 0         | 15.72                | 15.88   | 15.79   | 17.00   |
|                        |            | 1       | 2         | 15.77                | 15.76   | 15.70   | 17.00   |
|                        |            | 1       | 5         | 15.77                | 15.81   | 15.73   | 17.00   |
|                        |            | 3       | 0         | 15.68                | 15.94   | 15.73   | 17.00   |
|                        |            | 3       | 2         | 15.69                | 15.87   | 15.58   | 17.00   |

|           | 256QAM     | 3       | 3         | 15.70   | 15.96   | 15.76   | 17.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 6       | 0         | 15.77   | 15.88   | 15.64   | 17.00   |
|           |            | 1       | 0         | 15.76   | 15.87   | 15.79   | 17.00   |
|           |            | 1       | 2         | 15.72   | 15.91   | 15.85   | 17.00   |
|           |            | 1       | 5         | 15.77   | 15.95   | 15.71   | 17.00   |
|           |            | 3       | 0         | 15.77   | 15.90   | 15.68   | 17.00   |
|           |            | 3       | 2         | 15.76   | 15.87   | 15.77   | 17.00   |
|           |            | 3       | 3         | 15.75   | 15.74   | 15.65   | 17.00   |
|           |            | 6       | 0         | 15.78   | 15.85   | 15.74   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 3MHz      | QPSK       | 1       | 0         | 15.78   | 15.94   | 15.85   | 17.00   |
|           |            | 1       | 7         | 15.88   | 15.81   | 15.68   | 17.00   |
|           |            | 1       | 14        | 15.68   | 15.84   | 15.63   | 17.00   |
|           |            | 8       | 0         | 15.83   | 15.93   | 15.68   | 17.00   |
|           |            | 8       | 4         | 15.74   | 15.78   | 15.57   | 17.00   |
|           |            | 8       | 7         | 15.72   | 15.87   | 15.64   | 17.00   |
|           |            | 15      | 0         | 15.67   | 15.79   | 15.80   | 17.00   |
|           |            | 15      | 7         | 15.80   | 15.87   | 15.69   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.70   | 15.91   | 15.70   | 17.00   |
|           |            | 1       | 7         | 15.80   | 15.87   | 15.69   | 17.00   |
|           |            | 1       | 14        | 15.64   | 15.86   | 15.58   | 17.00   |
|           |            | 8       | 0         | 15.60   | 15.89   | 15.75   | 17.00   |
|           |            | 8       | 4         | 15.74   | 15.93   | 15.70   | 17.00   |
|           |            | 8       | 7         | 15.79   | 15.72   | 15.80   | 17.00   |
|           |            | 15      | 0         | 15.82   | 15.96   | 15.77   | 17.00   |
|           |            | 15      | 7         | 15.72   | 15.89   | 15.66   | 17.00   |
|           | 64QAM      | 1       | 0         | 15.74   | 15.85   | 15.60   | 17.00   |
|           |            | 1       | 14        | 15.81   | 15.85   | 15.68   | 17.00   |
|           |            | 8       | 0         | 15.67   | 15.98   | 15.77   | 17.00   |
|           |            | 8       | 4         | 15.73   | 15.84   | 15.60   | 17.00   |
|           |            | 8       | 7         | 15.70   | 15.95   | 15.83   | 17.00   |
|           |            | 15      | 0         | 15.75   | 15.90   | 15.71   | 17.00   |
|           |            | 15      | 7         | 15.69   | 15.85   | 15.84   | 17.00   |
|           |            | 15      | 14        | 15.73   | 15.88   | 15.79   | 17.00   |
|           | 256QAM     | 1       | 0         | 15.68   | 15.94   | 15.71   | 17.00   |
|           |            | 8       | 0         | 15.85   | 15.83   | 15.61   | 17.00   |
|           |            | 8       | 4         | 15.72   | 15.86   | 15.82   | 17.00   |
|           |            | 8       | 7         | 15.71   | 15.76   | 15.68   | 17.00   |
|           |            | 15      | 0         | 15.82   | 15.72   | 15.69   | 17.00   |
|           |            | 15      | 7         | 15.73   | 15.88   | 15.79   | 17.00   |
|           |            | 15      | 14        | 15.68   | 15.94   | 15.71   | 17.00   |
|           |            | 15      | 21        | 15.85   | 15.83   | 15.61   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 15.82   | 16.03   | 15.80   | 17.00   |
|           |            | 1       | 13        | 15.83   | 15.76   | 15.69   | 17.00   |
|           |            | 1       | 24        | 15.70   | 15.76   | 15.62   | 17.00   |
|           |            | 12      | 0         | 15.77   | 15.82   | 15.65   | 17.00   |
|           |            | 12      | 6         | 15.86   | 15.81   | 15.56   | 17.00   |
|           |            | 12      | 13        | 15.63   | 15.77   | 15.67   | 17.00   |
|           |            | 25      | 0         | 15.68   | 15.81   | 15.73   | 17.00   |
|           |            | 25      | 13        | 15.69   | 15.95   | 15.68   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.79   | 15.74   | 15.57   | 17.00   |
|           |            | 1       | 13        | 15.59   | 15.89   | 15.71   | 17.00   |
|           |            | 1       | 24        | 15.67   | 15.82   | 15.68   | 17.00   |
|           |            | 12      | 0         | 15.64   | 15.81   | 15.62   | 17.00   |
|           |            | 12      | 6         | 15.76   | 15.72   | 15.77   | 17.00   |
|           |            | 12      | 13        | 15.76   | 15.96   | 15.69   | 17.00   |
|           |            | 25      | 0         | 15.80   | 15.87   | 15.71   | 17.00   |
|           |            | 25      | 13        | 15.67   | 15.82   | 15.62   | 17.00   |
|           | 64QAM      | 1       | 0         | 15.82   | 15.83   | 15.68   | 17.00   |
|           |            | 1       | 13        | 15.78   | 15.98   | 15.83   | 17.00   |
|           |            | 12      | 0         | 15.76   | 15.85   | 15.66   | 17.00   |
|           |            | 12      | 6         | 15.77   | 15.95   | 15.71   | 17.00   |
|           |            | 12      | 13        | 15.78   | 15.93   | 15.67   | 17.00   |
|           |            | 25      | 0         | 15.63   | 15.92   | 15.81   | 17.00   |
|           |            | 25      | 13        | 15.72   | 15.87   | 15.70   | 17.00   |
|           |            | 25      | 24        | 15.73   | 15.92   | 15.79   | 17.00   |
|           | 256QAM     | 1       | 0         | 15.87   | 15.86   | 15.69   | 17.00   |
|           |            | 12      | 0         | 15.74   | 15.86   | 15.71   | 17.00   |
|           |            | 12      | 6         | 15.72   | 15.74   | 15.68   | 17.00   |
|           |            | 12      | 13        | 15.79   | 15.75   | 15.71   | 17.00   |
|           |            | 25      | 0         | 15.79   | 15.75   | 15.71   | 17.00   |
|           |            | 25      | 13        | 15.79   | 15.75   | 15.71   | 17.00   |
|           |            | 25      | 24        | 15.79   | 15.75   | 15.71   | 17.00   |
|           |            | 25      | 31        | 15.79   | 15.75   | 15.71   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |

| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.70   | 16.01   | 15.77   | 17.00   |
|           |            | 1       | 25        | 15.79   | 15.84   | 15.74   | 17.00   |
|           |            | 1       | 49        | 15.81   | 15.88   | 15.72   | 17.00   |
|           |            | 25      | 0         | 15.76   | 15.92   | 15.64   | 17.00   |
|           |            | 25      | 13        | 15.77   | 15.83   | 15.66   | 17.00   |
|           |            | 25      | 25        | 15.74   | 15.89   | 15.75   | 17.00   |
|           | 16QAM      | 50      | 0         | 15.72   | 15.81   | 15.79   | 17.00   |
|           |            | 1       | 0         | 15.77   | 15.96   | 15.68   | 17.00   |
|           |            | 1       | 25        | 15.72   | 15.85   | 15.57   | 17.00   |
|           |            | 1       | 49        | 15.65   | 15.86   | 15.65   | 17.00   |
|           |            | 25      | 0         | 15.73   | 15.84   | 15.76   | 17.00   |
|           |            | 25      | 13        | 15.63   | 15.86   | 15.68   | 17.00   |
|           | 64QAM      | 25      | 25        | 15.79   | 15.76   | 15.72   | 17.00   |
|           |            | 50      | 0         | 15.76   | 15.91   | 15.64   | 17.00   |
|           |            | 1       | 0         | 15.69   | 15.94   | 15.72   | 17.00   |
|           |            | 1       | 25        | 15.74   | 15.76   | 15.61   | 17.00   |
|           |            | 1       | 49        | 15.77   | 15.82   | 15.70   | 17.00   |
|           |            | 25      | 0         | 15.76   | 15.95   | 15.76   | 17.00   |
|           | 256QAM     | 25      | 13        | 15.69   | 15.94   | 15.64   | 17.00   |
|           |            | 25      | 25        | 15.70   | 15.89   | 15.79   | 17.00   |
|           |            | 50      | 0         | 15.67   | 15.93   | 15.74   | 17.00   |
|           |            | 1       | 0         | 15.73   | 15.89   | 15.79   | 17.00   |
|           |            | 1       | 25        | 15.72   | 15.88   | 15.72   | 17.00   |
|           |            | 1       | 49        | 15.70   | 15.85   | 15.83   | 17.00   |
| 15MHz     | QPSK       | 25      | 0         | 15.77   | 15.78   | 15.65   | 17.00   |
|           |            | 25      | 13        | 15.70   | 15.93   | 15.77   | 17.00   |
|           |            | 25      | 25        | 15.70   | 15.74   | 15.68   | 17.00   |
|           |            | 50      | 0         | 15.69   | 15.71   | 15.70   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.72   | 15.95   | 15.77   | 17.00   |
|           |            | 1       | 38        | 15.79   | 15.76   | 15.67   | 17.00   |
|           |            | 1       | 74        | 15.74   | 15.78   | 15.61   | 17.00   |
|           |            | 36      | 0         | 15.76   | 15.92   | 15.59   | 17.00   |
|           |            | 36      | 18        | 15.83   | 15.85   | 15.61   | 17.00   |
|           |            | 36      | 39        | 15.61   | 15.82   | 15.76   | 17.00   |
|           | 64QAM      | 75      | 0         | 15.77   | 15.87   | 15.73   | 17.00   |
|           |            | 1       | 0         | 15.73   | 15.95   | 15.65   | 17.00   |
|           |            | 1       | 38        | 15.67   | 15.87   | 15.57   | 17.00   |
|           |            | 1       | 74        | 15.70   | 15.94   | 15.67   | 17.00   |
|           |            | 36      | 0         | 15.70   | 15.88   | 15.66   | 17.00   |
|           |            | 36      | 18        | 15.66   | 15.85   | 15.75   | 17.00   |
|           | 256QAM     | 36      | 39        | 15.85   | 15.86   | 15.76   | 17.00   |
|           |            | 75      | 0         | 15.82   | 15.95   | 15.68   | 17.00   |
|           |            | 1       | 0         | 15.74   | 15.89   | 15.65   | 17.00   |
|           |            | 1       | 38        | 15.76   | 15.88   | 15.62   | 17.00   |
|           |            | 1       | 74        | 15.75   | 15.72   | 15.68   | 17.00   |
|           |            | 36      | 0         | 15.69   | 15.93   | 15.71   | 17.00   |
| 20MHz     | QPSK       | 36      | 18        | 15.76   | 15.85   | 15.64   | 17.00   |
|           |            | 36      | 39        | 15.79   | 15.93   | 15.75   | 17.00   |
|           |            | 75      | 0         | 15.76   | 15.95   | 15.67   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.67   | 15.86   | 15.78   | 17.00   |
|           |            | 1       | 38        | 15.67   | 15.86   | 15.77   | 17.00   |
|           |            | 1       | 74        | 15.78   | 15.88   | 15.85   | 17.00   |
| 20MHz     | QPSK       | 36      | 0         | 15.77   | 15.86   | 15.64   | 17.00   |
|           |            | 36      | 18        | 15.65   | 15.81   | 15.82   | 17.00   |
|           |            | 36      | 39        | 15.72   | 15.84   | 15.68   | 17.00   |
|           |            | 75      | 0         | 15.79   | 15.85   | 15.80   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.78   | 15.98   | 15.76   | 17.00   |
|           |            | 1       | 50        | 15.81   | 15.88   | 15.72   | 17.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 1   | 99 | 15.74 | 15.99 | 15.72 | 17.00 |
|  |        | 50  | 0  | 15.74 | 15.96 | 15.79 | 17.00 |
|  |        | 50  | 25 | 15.75 | 15.95 | 15.77 | 17.00 |
|  |        | 50  | 50 | 15.86 | 15.87 | 15.86 | 17.00 |
|  |        | 100 | 0  | 15.86 | 15.99 | 15.79 | 17.00 |
|  | 64QAM  | 1   | 0  | 15.82 | 15.98 | 15.79 | 17.00 |
|  |        | 1   | 50 | 15.82 | 15.90 | 15.73 | 17.00 |
|  |        | 1   | 99 | 15.83 | 15.87 | 15.80 | 17.00 |
|  |        | 50  | 0  | 15.80 | 15.99 | 15.86 | 17.00 |
|  |        | 50  | 25 | 15.81 | 15.95 | 15.73 | 17.00 |
|  | 256QAM | 50  | 50 | 15.83 | 16.00 | 15.83 | 17.00 |
|  |        | 100 | 0  | 15.80 | 15.97 | 15.76 | 17.00 |
|  |        | 1   | 0  | 15.76 | 15.98 | 15.85 | 17.00 |
|  |        | 1   | 50 | 15.81 | 15.93 | 15.85 | 17.00 |
|  |        | 1   | 99 | 15.80 | 15.97 | 15.85 | 17.00 |
|  |        | 50  | 0  | 15.88 | 15.92 | 15.73 | 17.00 |
|  |        | 50  | 25 | 15.77 | 15.96 | 15.84 | 17.00 |
|  |        | 50  | 50 | 15.79 | 15.86 | 15.71 | 17.00 |
|  |        | 100 | 0  | 15.82 | 15.85 | 15.80 | 17.00 |

| LTE Band 2 Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz               | QPSK       | 1       | 0         | 18607                | 18900   | 19193   | 22.00   |
|                      |            | 1       | 2         | 20.64                | 21.04   | 20.62   | 22.00   |
|                      |            | 1       | 5         | 20.56                | 20.80   | 20.54   | 22.00   |
|                      |            | 3       | 0         | 20.71                | 20.74   | 20.84   | 22.00   |
|                      |            | 3       | 2         | 20.71                | 20.69   | 20.66   | 22.00   |
|                      |            | 3       | 3         | 20.66                | 20.89   | 20.70   | 22.00   |
|                      | 16QAM      | 3       | 0         | 20.64                | 20.80   | 20.59   | 22.00   |
|                      |            | 6       | 0         | 20.70                | 20.81   | 20.73   | 22.00   |
|                      |            | 1       | 0         | 20.63                | 20.94   | 20.81   | 22.00   |
|                      |            | 1       | 2         | 20.66                | 20.72   | 20.77   | 22.00   |
|                      |            | 1       | 5         | 20.60                | 20.91   | 20.91   | 22.00   |
|                      |            | 3       | 0         | 20.76                | 20.77   | 20.76   | 22.00   |
|                      | 64QAM      | 3       | 2         | 20.62                | 20.75   | 20.75   | 22.00   |
|                      |            | 3       | 3         | 20.66                | 20.84   | 20.75   | 22.00   |
|                      |            | 6       | 0         | 20.82                | 20.87   | 20.74   | 22.00   |
|                      |            | 1       | 0         | 20.72                | 20.86   | 20.77   | 22.00   |
|                      |            | 1       | 2         | 20.82                | 20.76   | 20.62   | 22.00   |
|                      |            | 1       | 5         | 20.60                | 20.94   | 20.84   | 22.00   |
|                      | 256QAM     | 3       | 0         | 20.71                | 20.79   | 20.76   | 22.00   |
|                      |            | 3       | 2         | 20.77                | 20.66   | 20.49   | 22.00   |
|                      |            | 3       | 3         | 20.50                | 20.81   | 20.81   | 22.00   |
|                      |            | 6       | 0         | 19.78                | 19.82   | 19.66   | 21.00   |
|                      |            | 1       | 0         | 17.67                | 17.81   | 17.72   | 19.00   |
|                      |            | 1       | 2         | 17.76                | 17.82   | 17.52   | 19.00   |
| 3MHz                 | QPSK       | 1       | 5         | 17.63                | 17.76   | 17.76   | 19.00   |
|                      |            | 3       | 0         | 17.68                | 17.80   | 17.73   | 19.00   |
|                      |            | 3       | 2         | 17.73                | 17.79   | 17.63   | 19.00   |
|                      |            | 3       | 3         | 17.64                | 17.90   | 17.73   | 19.00   |
|                      |            | 6       | 0         | 17.64                | 17.73   | 17.68   | 19.00   |
|                      |            | 1       | 0         | 20.70                | 21.04   | 20.66   | 22.00   |
|                      | 16QAM      | 1       | 7         | 20.49                | 20.70   | 20.59   | 22.00   |
|                      |            | 1       | 14        | 20.75                | 20.86   | 20.71   | 22.00   |
|                      |            | 8       | 0         | 20.59                | 20.68   | 20.70   | 22.00   |
|                      |            | 8       | 4         | 20.55                | 20.90   | 20.81   | 22.00   |
|                      |            | 8       | 7         | 20.65                | 20.82   | 20.63   | 22.00   |
|                      |            | 15      | 0         | 20.74                | 20.87   | 20.68   | 22.00   |
|                      | 64QAM      | 1       | 0         | 20.69                | 20.94   | 20.70   | 22.00   |
|                      |            | 1       | 7         | 20.68                | 20.68   | 20.75   | 22.00   |
|                      |            | 1       | 14        | 20.70                | 20.83   | 20.84   | 22.00   |
|                      |            | 8       | 0         | 20.71                | 20.81   | 20.71   | 22.00   |
|                      |            | 8       | 4         | 20.50                | 20.74   | 20.61   | 22.00   |
|                      |            | 8       | 7         | 20.62                | 20.80   | 20.74   | 22.00   |
|                      |            | 15      | 0         | 20.84                | 20.90   | 20.64   | 22.00   |
|                      |            | 1       | 0         | 20.70                | 20.88   | 20.74   | 22.00   |

|        |           |            |         |           |         |         |         |         |
|--------|-----------|------------|---------|-----------|---------|---------|---------|---------|
|        |           | 1          | 7       | 20.79     | 20.75   | 20.58   | 22.00   |         |
|        |           | 1          | 14      | 20.73     | 20.82   | 20.76   | 22.00   |         |
|        |           | 8          | 0       | 19.83     | 19.89   | 19.58   | 21.00   |         |
|        |           | 8          | 4       | 19.67     | 19.90   | 19.77   | 21.00   |         |
|        |           | 8          | 7       | 19.69     | 19.72   | 19.74   | 21.00   |         |
|        |           | 15         | 0       | 19.80     | 19.80   | 19.68   | 21.00   |         |
|        |           | 1          | 0       | 17.61     | 17.86   | 17.68   | 19.00   |         |
|        |           | 1          | 7       | 17.78     | 17.81   | 17.55   | 19.00   |         |
|        |           | 1          | 14      | 17.62     | 17.79   | 17.76   | 19.00   |         |
|        |           | 8          | 0       | 17.77     | 17.72   | 17.71   | 19.00   |         |
|        | 8         | 4          | 17.69   | 17.84     | 17.62   | 19.00   |         |         |
|        | 8         | 7          | 17.72   | 17.92     | 17.69   | 19.00   |         |         |
|        | 15        | 0          | 17.59   | 17.74     | 17.61   | 19.00   |         |         |
|        | Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|        |           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz   | QPSK      | 1          | 0       | 20.68     | 21.05   | 20.74   | 22.00   |         |
|        |           | 1          | 13      | 20.59     | 20.80   | 20.50   | 22.00   |         |
|        |           | 1          | 24      | 20.78     | 20.76   | 20.84   | 22.00   |         |
|        |           | 12         | 0       | 20.70     | 20.72   | 20.64   | 22.00   |         |
|        |           | 12         | 6       | 20.53     | 20.83   | 20.79   | 22.00   |         |
|        |           | 12         | 13      | 20.54     | 20.79   | 20.57   | 22.00   |         |
|        | 16QAM     | 25         | 0       | 20.63     | 20.85   | 20.73   | 22.00   |         |
|        |           | 1          | 0       | 20.65     | 20.91   | 20.77   | 22.00   |         |
|        |           | 1          | 13      | 20.76     | 20.69   | 20.82   | 22.00   |         |
|        |           | 1          | 24      | 20.63     | 20.93   | 20.77   | 22.00   |         |
|        |           | 12         | 0       | 20.76     | 20.84   | 20.67   | 22.00   |         |
|        |           | 12         | 6       | 20.54     | 20.81   | 20.73   | 22.00   |         |
|        | 64QAM     | 12         | 13      | 20.73     | 20.75   | 20.74   | 22.00   |         |
|        |           | 25         | 0       | 20.81     | 20.97   | 20.70   | 22.00   |         |
|        |           | 1          | 0       | 20.69     | 20.80   | 20.74   | 22.00   |         |
|        |           | 1          | 13      | 20.77     | 20.74   | 20.59   | 22.00   |         |
|        |           | 1          | 24      | 20.72     | 20.90   | 20.83   | 22.00   |         |
|        |           | 12         | 0       | 19.82     | 19.95   | 19.66   | 21.00   |         |
|        | 256QAM    | 12         | 6       | 19.67     | 19.96   | 19.68   | 21.00   |         |
|        |           | 12         | 13      | 19.68     | 19.86   | 19.75   | 21.00   |         |
|        |           | 25         | 0       | 19.81     | 19.85   | 19.63   | 21.00   |         |
|        |           | 1          | 0       | 17.70     | 17.85   | 17.73   | 19.00   |         |
|        |           | 1          | 13      | 17.81     | 17.74   | 17.55   | 19.00   |         |
|        |           | 1          | 24      | 17.63     | 17.82   | 17.83   | 19.00   |         |
|        | 10MHz     | QPSK       | 12      | 0         | 17.76   | 17.77   | 17.61   | 19.00   |
|        |           |            | 12      | 6         | 17.70   | 17.79   | 17.64   | 19.00   |
|        |           |            | 12      | 13        | 17.64   | 17.82   | 17.73   | 19.00   |
|        |           |            | 25      | 0         | 17.59   | 17.71   | 17.73   | 19.00   |
|        |           |            | 1       | 0         | 20.71   | 21.04   | 20.63   | 22.00   |
|        |           |            | 1       | 25        | 20.53   | 20.73   | 20.50   | 22.00   |
|        |           | 16QAM      | 1       | 49        | 20.76   | 20.84   | 20.82   | 22.00   |
| 25     |           |            | 0       | 20.68     | 20.72   | 20.71   | 22.00   |         |
| 25     |           |            | 13      | 20.60     | 20.90   | 20.75   | 22.00   |         |
| 25     |           |            | 25      | 20.58     | 20.90   | 20.55   | 22.00   |         |
| 50     |           |            | 0       | 20.67     | 20.86   | 20.76   | 22.00   |         |
| 1      |           |            | 0       | 20.62     | 20.90   | 20.76   | 22.00   |         |
| 64QAM  |           | 1          | 25      | 20.68     | 20.67   | 20.84   | 22.00   |         |
|        |           | 1          | 49      | 20.60     | 20.84   | 20.86   | 22.00   |         |
|        |           | 25         | 0       | 20.77     | 20.80   | 20.73   | 22.00   |         |
|        | 25        | 13         | 20.58   | 20.85     | 20.70   | 22.00   |         |         |
|        | 25        | 25         | 20.64   | 20.78     | 20.70   | 22.00   |         |         |
|        | 50        | 0          | 20.73   | 20.86     | 20.64   | 22.00   |         |         |
| 256QAM | 1         | 0          | 20.66   | 20.83     | 20.72   | 22.00   |         |         |
|        | 1         | 25         | 20.76   | 20.76     | 20.54   | 22.00   |         |         |
|        | 1         | 49         | 20.74   | 20.90     | 20.86   | 22.00   |         |         |
|        | 25        | 0          | 19.77   | 19.87     | 19.72   | 21.00   |         |         |
|        |           | 25         | 13      | 19.64     | 19.95   | 19.68   | 21.00   |         |
|        |           | 25         | 25      | 19.68     | 19.82   | 19.77   | 21.00   |         |
|        |           | 50         | 0       | 19.75     | 19.84   | 19.63   | 21.00   |         |
|        |           | 1          | 0       | 17.70     | 17.73   | 17.75   | 19.00   |         |
|        |           | 1          | 25      | 17.69     | 17.76   | 17.60   | 19.00   |         |
|        |           | 1          | 49      | 17.65     | 17.71   | 17.74   | 19.00   |         |
|        |           | 25         | 0       | 17.77     | 17.69   | 17.61   | 19.00   |         |
|        |           |            |         |           |         |         |         |         |

|           |            | 25      | 13        | 17.67   | 17.76   | 17.63   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 17.66   | 17.92   | 17.69   | 19.00   |
|           |            | 50      | 0         | 17.58   | 17.72   | 17.64   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.59   | 20.97   | 20.76   | 22.00   |
|           |            | 1       | 38        | 20.58   | 20.81   | 20.62   | 22.00   |
|           |            | 1       | 74        | 20.68   | 20.80   | 20.77   | 22.00   |
|           |            | 36      | 0         | 20.67   | 20.81   | 20.63   | 22.00   |
|           |            | 36      | 18        | 20.61   | 20.89   | 20.83   | 22.00   |
|           |            | 36      | 39        | 20.57   | 20.89   | 20.60   | 22.00   |
|           |            | 75      | 0         | 20.68   | 20.86   | 20.73   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.67   | 20.94   | 20.82   | 22.00   |
|           |            | 1       | 38        | 20.65   | 20.75   | 20.80   | 22.00   |
|           |            | 1       | 74        | 20.62   | 20.87   | 20.80   | 22.00   |
|           |            | 36      | 0         | 20.70   | 20.79   | 20.68   | 22.00   |
|           |            | 36      | 18        | 20.58   | 20.72   | 20.72   | 22.00   |
|           |            | 36      | 39        | 20.61   | 20.77   | 20.71   | 22.00   |
|           |            | 75      | 0         | 20.71   | 20.89   | 20.72   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.75   | 20.84   | 20.67   | 22.00   |
|           |            | 1       | 38        | 20.71   | 20.68   | 20.57   | 22.00   |
|           |            | 1       | 74        | 20.73   | 20.85   | 20.74   | 22.00   |
|           |            | 36      | 0         | 19.86   | 19.96   | 19.72   | 21.00   |
|           |            | 36      | 18        | 19.68   | 19.96   | 19.70   | 21.00   |
|           |            | 36      | 39        | 19.76   | 19.80   | 19.67   | 21.00   |
|           |            | 75      | 0         | 19.79   | 19.80   | 19.71   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.69   | 17.81   | 17.68   | 19.00   |
|           |            | 1       | 38        | 17.66   | 17.72   | 17.54   | 19.00   |
|           |            | 1       | 74        | 17.62   | 17.74   | 17.82   | 19.00   |
|           |            | 36      | 0         | 17.71   | 17.75   | 17.62   | 19.00   |
|           |            | 36      | 18        | 17.76   | 17.79   | 17.67   | 19.00   |
|           |            | 36      | 39        | 17.63   | 17.80   | 17.71   | 19.00   |
|           |            | 75      | 0         | 17.59   | 17.75   | 17.65   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 20.73   | 21.07   | 20.76   | 22.00   |
|           |            | 1       | 50        | 20.64   | 20.83   | 20.64   | 22.00   |
|           |            | 1       | 99        | 20.82   | 20.87   | 20.85   | 22.00   |
|           |            | 50      | 0         | 20.71   | 20.96   | 20.78   | 22.00   |
|           |            | 50      | 25        | 20.66   | 20.95   | 20.83   | 22.00   |
|           |            | 50      | 50        | 20.66   | 20.91   | 20.68   | 22.00   |
|           |            | 100     | 0         | 20.77   | 20.96   | 20.78   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.72   | 20.97   | 20.83   | 22.00   |
|           |            | 1       | 50        | 20.78   | 20.81   | 20.85   | 22.00   |
|           |            | 1       | 99        | 20.74   | 20.98   | 20.92   | 22.00   |
|           |            | 50      | 0         | 20.84   | 20.90   | 20.80   | 22.00   |
|           |            | 50      | 25        | 20.65   | 20.87   | 20.75   | 22.00   |
|           |            | 50      | 50        | 20.74   | 20.87   | 20.76   | 22.00   |
|           |            | 100     | 0         | 20.85   | 21.00   | 20.78   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.76   | 20.93   | 20.80   | 22.00   |
|           |            | 1       | 50        | 20.85   | 20.78   | 20.67   | 22.00   |
|           |            | 1       | 99        | 20.75   | 20.97   | 20.88   | 22.00   |
|           |            | 50      | 0         | 19.87   | 19.96   | 19.72   | 21.00   |
|           |            | 50      | 25        | 19.73   | 19.97   | 19.80   | 21.00   |
|           |            | 50      | 50        | 19.79   | 19.87   | 19.79   | 21.00   |
|           |            | 100     | 0         | 19.86   | 19.88   | 19.77   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.75   | 17.86   | 17.80   | 19.00   |
|           |            | 1       | 50        | 17.81   | 17.86   | 17.64   | 19.00   |
|           |            | 1       | 99        | 17.73   | 17.84   | 17.84   | 19.00   |
|           |            | 50      | 0         | 17.80   | 17.82   | 17.75   | 19.00   |
|           |            | 50      | 25        | 17.82   | 17.89   | 17.76   | 19.00   |
|           |            | 50      | 50        | 17.76   | 17.95   | 17.81   | 19.00   |
|           |            | 100     | 0         | 17.70   | 17.78   | 17.74   | 19.00   |

| LTE Band 2 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 20.21                | 20.64   | 20.11   | 21.50   |

|      |        |    |    |       |       |       |       |
|------|--------|----|----|-------|-------|-------|-------|
|      |        | 1  | 2  | 20.07 | 20.34 | 20.08 | 21.50 |
|      |        | 1  | 5  | 20.17 | 20.30 | 20.28 | 21.50 |
|      |        | 3  | 0  | 20.11 | 20.32 | 20.27 | 21.50 |
|      |        | 3  | 2  | 20.26 | 20.44 | 20.32 | 21.50 |
|      |        | 3  | 3  | 20.11 | 20.33 | 20.20 | 21.50 |
|      |        | 6  | 0  | 20.28 | 20.44 | 20.19 | 21.50 |
|      | 16QAM  | 1  | 0  | 20.22 | 20.41 | 20.25 | 21.50 |
|      |        | 1  | 2  | 20.30 | 20.29 | 20.32 | 21.50 |
|      |        | 1  | 5  | 20.14 | 20.48 | 20.44 | 21.50 |
|      |        | 3  | 0  | 20.29 | 20.34 | 20.35 | 21.50 |
|      |        | 3  | 2  | 20.03 | 20.34 | 20.30 | 21.50 |
|      |        | 3  | 3  | 20.24 | 20.23 | 20.13 | 21.50 |
|      | 64QAM  | 6  | 0  | 20.28 | 20.52 | 20.22 | 21.50 |
|      |        | 1  | 0  | 20.22 | 20.25 | 20.15 | 21.50 |
|      |        | 1  | 2  | 20.22 | 20.17 | 20.16 | 21.50 |
|      |        | 1  | 5  | 20.26 | 20.45 | 20.28 | 21.50 |
|      |        | 3  | 0  | 19.71 | 19.82 | 19.69 | 21.50 |
|      |        | 3  | 2  | 19.68 | 19.72 | 19.59 | 21.50 |
|      | 256QAM | 3  | 3  | 19.76 | 19.69 | 19.68 | 21.50 |
|      |        | 6  | 0  | 19.73 | 19.85 | 19.67 | 21.00 |
|      |        | 1  | 0  | 17.64 | 17.91 | 17.68 | 19.00 |
|      |        | 1  | 2  | 17.65 | 17.86 | 17.62 | 19.00 |
|      |        | 1  | 5  | 17.73 | 17.71 | 17.65 | 19.00 |
|      |        | 3  | 0  | 17.66 | 17.88 | 17.78 | 19.00 |
| 3MHz | QPSK   | 3  | 2  | 17.61 | 17.76 | 17.69 | 19.00 |
|      |        | 3  | 3  | 17.65 | 17.90 | 17.76 | 19.00 |
|      |        | 6  | 0  | 17.56 | 17.75 | 17.59 | 19.00 |
|      | 16QAM  | 1  | 0  | 20.23 | 20.57 | 20.24 | 21.50 |
|      |        | 1  | 7  | 20.05 | 20.32 | 20.12 | 21.50 |
|      |        | 1  | 14 | 20.16 | 20.34 | 20.23 | 21.50 |
|      | 64QAM  | 8  | 0  | 20.16 | 20.32 | 20.28 | 21.50 |
|      |        | 8  | 4  | 20.21 | 20.31 | 20.32 | 21.50 |
|      |        | 8  | 7  | 20.18 | 20.37 | 20.18 | 21.50 |
|      | 256QAM | 15 | 0  | 20.35 | 20.50 | 20.10 | 21.50 |
|      |        | 1  | 0  | 20.11 | 20.37 | 20.30 | 21.50 |
|      |        | 1  | 7  | 20.26 | 20.29 | 20.29 | 21.50 |
|      |        | 1  | 14 | 20.17 | 20.46 | 20.46 | 21.50 |
|      |        | 8  | 0  | 20.20 | 20.33 | 20.25 | 21.50 |
|      |        | 8  | 4  | 20.02 | 20.29 | 20.31 | 21.50 |
| 5MHz | QPSK   | 8  | 7  | 20.21 | 20.24 | 20.15 | 21.50 |
|      |        | 15 | 0  | 20.16 | 20.54 | 20.23 | 21.50 |
|      | 16QAM  | 1  | 0  | 20.15 | 20.30 | 20.29 | 21.50 |
|      |        | 1  | 7  | 20.22 | 20.25 | 20.21 | 21.50 |
|      |        | 1  | 14 | 20.27 | 20.53 | 20.34 | 21.50 |
|      |        | 8  | 0  | 19.70 | 19.75 | 19.69 | 21.00 |
|      | 64QAM  | 8  | 4  | 19.75 | 19.72 | 19.56 | 21.00 |
|      |        | 8  | 7  | 19.73 | 19.77 | 19.62 | 21.00 |
|      |        | 15 | 0  | 19.74 | 19.87 | 19.61 | 21.00 |
|      | 256QAM | 1  | 0  | 17.65 | 17.91 | 17.64 | 19.00 |
|      |        | 1  | 7  | 17.68 | 17.84 | 17.57 | 19.00 |
|      |        | 1  | 14 | 17.82 | 17.70 | 17.69 | 19.00 |
|      |        | 8  | 0  | 17.69 | 17.77 | 17.70 | 19.00 |
|      |        | 8  | 4  | 17.74 | 17.74 | 17.60 | 19.00 |
|      |        | 8  | 7  | 17.71 | 17.87 | 17.78 | 19.00 |
|      | QPSK   | 15 | 0  | 17.59 | 17.65 | 17.57 | 19.00 |
|      |        | 1  | 0  | 20.25 | 20.59 | 20.24 | 21.50 |
|      |        | 1  | 13 | 20.11 | 20.38 | 20.04 | 21.50 |
|      |        | 1  | 24 | 20.25 | 20.39 | 20.15 | 21.50 |
|      |        | 12 | 0  | 20.14 | 20.37 | 20.30 | 21.50 |
|      |        | 12 | 6  | 20.18 | 20.38 | 20.28 | 21.50 |
|      | 16QAM  | 12 | 13 | 20.06 | 20.31 | 20.19 | 21.50 |
|      |        | 25 | 0  | 20.30 | 20.41 | 20.19 | 21.50 |
|      |        | 1  | 0  | 20.10 | 20.40 | 20.25 | 21.50 |
|      |        | 1  | 13 | 20.23 | 20.22 | 20.29 | 21.50 |
|      |        | 1  | 24 | 20.06 | 20.43 | 20.37 | 21.50 |
|      |        | 12 | 0  | 20.32 | 20.25 | 20.35 | 21.50 |

|           |            | 12      | 6         | 19.97   | 20.30   | 20.27   | 21.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 13        | 20.22   | 20.24   | 20.18   | 21.50   |
|           |            | 25      | 0         | 20.22   | 20.53   | 20.14   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.18   | 20.39   | 20.20   | 21.50   |
|           |            | 1       | 13        | 20.18   | 20.23   | 20.15   | 21.50   |
|           |            | 1       | 24        | 20.32   | 20.49   | 20.27   | 21.50   |
|           |            | 12      | 0         | 19.79   | 19.83   | 19.66   | 21.00   |
|           |            | 12      | 6         | 19.74   | 19.73   | 19.67   | 21.00   |
|           |            | 12      | 13        | 19.72   | 19.77   | 19.66   | 21.00   |
|           |            | 25      | 0         | 19.78   | 19.88   | 19.66   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.66   | 17.91   | 17.60   | 19.00   |
|           |            | 1       | 13        | 17.66   | 17.87   | 17.63   | 19.00   |
|           |            | 1       | 24        | 17.75   | 17.72   | 17.66   | 19.00   |
|           |            | 12      | 0         | 17.60   | 17.81   | 17.82   | 19.00   |
|           |            | 12      | 6         | 17.71   | 17.70   | 17.70   | 19.00   |
|           |            | 12      | 13        | 17.74   | 17.85   | 17.75   | 19.00   |
|           |            | 25      | 0         | 17.61   | 17.77   | 17.52   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.21   | 20.66   | 20.21   | 21.50   |
|           |            | 1       | 25        | 20.10   | 20.34   | 20.05   | 21.50   |
|           |            | 1       | 49        | 20.25   | 20.35   | 20.25   | 21.50   |
|           |            | 25      | 0         | 20.06   | 20.32   | 20.26   | 21.50   |
|           |            | 25      | 13        | 20.21   | 20.40   | 20.29   | 21.50   |
|           |            | 25      | 25        | 20.10   | 20.42   | 20.20   | 21.50   |
|           |            | 50      | 0         | 20.28   | 20.40   | 20.23   | 21.50   |
|           | 16QAM      | 1       | 0         | 20.15   | 20.41   | 20.27   | 21.50   |
|           |            | 1       | 25        | 20.22   | 20.29   | 20.35   | 21.50   |
|           |            | 1       | 49        | 20.08   | 20.43   | 20.42   | 21.50   |
|           |            | 25      | 0         | 20.23   | 20.35   | 20.30   | 21.50   |
|           |            | 25      | 13        | 19.99   | 20.35   | 20.22   | 21.50   |
|           |            | 25      | 25        | 20.17   | 20.19   | 20.14   | 21.50   |
|           |            | 50      | 0         | 20.16   | 20.46   | 20.25   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.14   | 20.33   | 20.23   | 21.50   |
|           |            | 1       | 25        | 20.27   | 20.25   | 20.10   | 21.50   |
|           |            | 1       | 49        | 20.24   | 20.52   | 20.34   | 21.50   |
|           |            | 25      | 0         | 19.71   | 19.84   | 19.69   | 21.00   |
|           |            | 25      | 13        | 19.74   | 19.77   | 19.60   | 21.00   |
|           |            | 25      | 25        | 19.75   | 19.70   | 19.74   | 21.00   |
|           |            | 50      | 0         | 19.75   | 19.89   | 19.61   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.61   | 17.86   | 17.72   | 19.00   |
|           |            | 1       | 25        | 17.66   | 17.94   | 17.67   | 19.00   |
|           |            | 1       | 49        | 17.79   | 17.67   | 17.69   | 19.00   |
|           |            | 25      | 0         | 17.60   | 17.79   | 17.81   | 19.00   |
|           |            | 25      | 13        | 17.69   | 17.70   | 17.59   | 19.00   |
|           |            | 25      | 25        | 17.70   | 17.82   | 17.90   | 19.00   |
|           |            | 50      | 0         | 17.63   | 17.65   | 17.52   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.25   | 20.60   | 20.19   | 21.50   |
|           |            | 1       | 38        | 20.18   | 20.34   | 20.10   | 21.50   |
|           |            | 1       | 74        | 20.24   | 20.43   | 20.28   | 21.50   |
|           |            | 36      | 0         | 20.13   | 20.31   | 20.17   | 21.50   |
|           |            | 36      | 18        | 20.14   | 20.36   | 20.26   | 21.50   |
|           |            | 36      | 39        | 20.12   | 20.41   | 20.10   | 21.50   |
|           |            | 75      | 0         | 20.23   | 20.48   | 20.14   | 21.50   |
|           | 16QAM      | 1       | 0         | 20.15   | 20.37   | 20.26   | 21.50   |
|           |            | 1       | 38        | 20.31   | 20.29   | 20.28   | 21.50   |
|           |            | 1       | 74        | 20.18   | 20.46   | 20.44   | 21.50   |
|           |            | 36      | 0         | 20.20   | 20.25   | 20.36   | 21.50   |
|           |            | 36      | 18        | 20.07   | 20.29   | 20.21   | 21.50   |
|           |            | 36      | 39        | 20.18   | 20.28   | 20.13   | 21.50   |
|           |            | 75      | 0         | 20.28   | 20.53   | 20.13   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.17   | 20.39   | 20.17   | 21.50   |
|           |            | 1       | 38        | 20.21   | 20.24   | 20.14   | 21.50   |
|           |            | 1       | 74        | 20.20   | 20.54   | 20.36   | 21.50   |
|           |            | 36      | 0         | 19.73   | 19.83   | 19.66   | 21.00   |
|           |            | 36      | 18        | 19.69   | 19.85   | 19.57   | 21.00   |
|           |            | 36      | 39        | 19.67   | 19.71   | 19.66   | 21.00   |
|           |            | 75      | 0         | 19.71   | 19.77   | 19.62   | 21.00   |

|           |            | 1       | 0         | 17.68   | 17.85   | 17.70   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 38        | 17.75   | 17.89   | 17.56   | 19.00   |
|           |            | 1       | 74        | 17.82   | 17.72   | 17.74   | 19.00   |
|           | 256QAM     | 36      | 0         | 17.67   | 17.84   | 17.80   | 19.00   |
|           |            | 36      | 18        | 17.60   | 17.80   | 17.63   | 19.00   |
|           |            | 36      | 39        | 17.61   | 17.88   | 17.77   | 19.00   |
|           |            | 75      | 0         | 17.50   | 17.77   | 17.63   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 20.27   | 20.66   | 20.26   | 21.50   |
|           |            | 1       | 50        | 20.18   | 20.38   | 20.17   | 21.50   |
|           |            | 1       | 99        | 20.28   | 20.43   | 20.30   | 21.50   |
|           |            | 50      | 0         | 20.20   | 20.52   | 20.31   | 21.50   |
|           |            | 50      | 25        | 20.26   | 20.45   | 20.33   | 21.50   |
|           |            | 50      | 50        | 20.19   | 20.46   | 20.23   | 21.50   |
|           | 16QAM      | 100     | 0         | 20.37   | 20.44   | 20.24   | 21.50   |
|           |            | 1       | 0         | 20.23   | 20.49   | 20.37   | 21.50   |
|           |            | 1       | 50        | 20.35   | 20.32   | 20.37   | 21.50   |
|           |            | 1       | 99        | 20.20   | 20.51   | 20.49   | 21.50   |
|           |            | 50      | 0         | 20.32   | 20.39   | 20.37   | 21.50   |
|           |            | 50      | 25        | 20.11   | 20.42   | 20.32   | 21.50   |
|           | 64QAM      | 50      | 50        | 20.29   | 20.32   | 20.21   | 21.50   |
|           |            | 100     | 0         | 20.30   | 20.60   | 20.27   | 21.50   |
|           |            | 1       | 0         | 20.29   | 20.39   | 20.29   | 21.50   |
|           |            | 1       | 50        | 20.33   | 20.31   | 20.23   | 21.50   |
|           |            | 1       | 99        | 20.33   | 20.56   | 20.39   | 21.50   |
|           |            | 50      | 0         | 19.84   | 19.89   | 19.77   | 21.00   |
|           | 256QAM     | 50      | 25        | 19.78   | 19.87   | 19.69   | 21.00   |
|           |            | 50      | 50        | 19.82   | 19.83   | 19.76   | 21.00   |
|           |            | 100     | 0         | 19.79   | 19.89   | 19.75   | 21.00   |
|           |            | 1       | 0         | 17.72   | 17.92   | 17.73   | 19.00   |
|           |            | 1       | 50        | 17.77   | 17.96   | 17.68   | 19.00   |
|           |            | 1       | 99        | 17.84   | 17.80   | 17.75   | 19.00   |
|           | 256QAM     | 50      | 0         | 17.74   | 17.89   | 17.83   | 19.00   |
|           |            | 50      | 25        | 17.74   | 17.83   | 17.73   | 19.00   |
|           |            | 50      | 50        | 17.76   | 17.95   | 17.90   | 19.00   |
|           |            | 100     | 0         | 17.64   | 17.79   | 17.65   | 19.00   |

| LTE Band 2 Body worn for Simultaneous ULCA&ENDC |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                       | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                 |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                          | QPSK       | 1       | 0         | 17.65                | 18.09   | 17.68   | 19.00   |
|                                                 |            | 1       | 2         | 17.56                | 17.79   | 17.58   | 19.00   |
|                                                 |            | 1       | 5         | 17.57                | 17.75   | 17.49   | 19.00   |
|                                                 |            | 3       | 0         | 17.52                | 17.78   | 17.56   | 19.00   |
|                                                 |            | 3       | 2         | 17.59                | 17.85   | 17.62   | 19.00   |
|                                                 |            | 3       | 3         | 17.56                | 17.80   | 17.52   | 19.00   |
|                                                 | 16QAM      | 6       | 0         | 17.58                | 17.78   | 17.50   | 19.00   |
|                                                 |            | 1       | 0         | 17.54                | 17.76   | 17.54   | 19.00   |
|                                                 |            | 1       | 2         | 17.61                | 17.75   | 17.50   | 19.00   |
|                                                 |            | 1       | 5         | 17.52                | 17.76   | 17.54   | 19.00   |
|                                                 |            | 3       | 0         | 17.62                | 17.75   | 17.60   | 19.00   |
|                                                 |            | 3       | 2         | 17.55                | 17.74   | 17.53   | 19.00   |
|                                                 | 64QAM      | 3       | 3         | 17.62                | 17.72   | 17.57   | 19.00   |
|                                                 |            | 6       | 0         | 17.54                | 17.82   | 17.52   | 19.00   |
|                                                 |            | 1       | 0         | 17.60                | 17.76   | 17.51   | 19.00   |
|                                                 |            | 1       | 2         | 17.57                | 17.80   | 17.59   | 19.00   |
|                                                 |            | 1       | 5         | 17.59                | 17.80   | 17.55   | 19.00   |
|                                                 |            | 3       | 0         | 17.56                | 17.74   | 17.58   | 19.00   |
|                                                 | 256QAM     | 3       | 2         | 17.54                | 17.72   | 17.56   | 19.00   |
|                                                 |            | 3       | 3         | 17.56                | 17.80   | 17.64   | 19.00   |
|                                                 |            | 6       | 0         | 17.53                | 17.77   | 17.60   | 19.00   |
|                                                 |            | 1       | 0         | 17.57                | 17.82   | 17.53   | 19.00   |
|                                                 |            | 1       | 2         | 17.54                | 17.72   | 17.56   | 19.00   |
|                                                 |            | 1       | 5         | 17.58                | 17.72   | 17.54   | 19.00   |
|                                                 | 256QAM     | 3       | 0         | 17.57                | 17.81   | 17.55   | 19.00   |
|                                                 |            | 3       | 2         | 17.53                | 17.69   | 17.50   | 19.00   |
|                                                 |            | 3       | 3         | 17.53                | 17.76   | 17.54   | 19.00   |

|           |            | 6       | 0         | 17.53   | 17.78   | 17.52   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18615   | 18900   | 19185   |         |
| 3MHz      | QPSK       | 1       | 0         | 17.67   | 18.06   | 17.68   | 19.00   |
|           |            | 1       | 7         | 17.55   | 17.76   | 17.56   | 19.00   |
|           |            | 1       | 14        | 17.58   | 17.73   | 17.53   | 19.00   |
|           |            | 8       | 0         | 17.56   | 17.74   | 17.64   | 19.00   |
|           |            | 8       | 4         | 17.60   | 17.81   | 17.55   | 19.00   |
|           |            | 8       | 7         | 17.58   | 17.85   | 17.54   | 19.00   |
|           |            | 15      | 0         | 17.65   | 17.82   | 17.52   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.56   | 17.75   | 17.54   | 19.00   |
|           |            | 1       | 7         | 17.57   | 17.75   | 17.54   | 19.00   |
|           |            | 1       | 14        | 17.50   | 17.83   | 17.53   | 19.00   |
|           |            | 8       | 0         | 17.61   | 17.80   | 17.54   | 19.00   |
|           |            | 8       | 4         | 17.52   | 17.80   | 17.50   | 19.00   |
|           |            | 8       | 7         | 17.61   | 17.77   | 17.57   | 19.00   |
|           |            | 15      | 0         | 17.52   | 17.80   | 17.54   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.59   | 17.75   | 17.51   | 19.00   |
|           |            | 1       | 7         | 17.60   | 17.73   | 17.59   | 19.00   |
|           |            | 1       | 14        | 17.52   | 17.78   | 17.54   | 19.00   |
|           |            | 8       | 0         | 17.51   | 17.74   | 17.52   | 19.00   |
|           |            | 8       | 4         | 17.55   | 17.74   | 17.60   | 19.00   |
|           |            | 8       | 7         | 17.58   | 17.80   | 17.57   | 19.00   |
|           |            | 15      | 0         | 17.58   | 17.76   | 17.59   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.54   | 17.77   | 17.56   | 19.00   |
|           |            | 1       | 7         | 17.54   | 17.69   | 17.54   | 19.00   |
|           |            | 1       | 14        | 17.56   | 17.78   | 17.51   | 19.00   |
|           |            | 8       | 0         | 17.50   | 17.80   | 17.54   | 19.00   |
|           |            | 8       | 4         | 17.58   | 17.69   | 17.54   | 19.00   |
|           |            | 8       | 7         | 17.55   | 17.74   | 17.56   | 19.00   |
|           |            | 15      | 0         | 17.50   | 17.78   | 17.56   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.66   | 18.04   | 17.70   | 19.00   |
|           |            | 1       | 13        | 17.56   | 17.77   | 17.49   | 19.00   |
|           |            | 1       | 24        | 17.62   | 17.75   | 17.55   | 19.00   |
|           |            | 12      | 0         | 17.57   | 17.77   | 17.58   | 19.00   |
|           |            | 12      | 6         | 17.62   | 17.78   | 17.56   | 19.00   |
|           |            | 12      | 13        | 17.53   | 17.83   | 17.57   | 19.00   |
|           |            | 25      | 0         | 17.57   | 17.79   | 17.52   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.51   | 17.74   | 17.53   | 19.00   |
|           |            | 1       | 13        | 17.61   | 17.77   | 17.50   | 19.00   |
|           |            | 1       | 24        | 17.53   | 17.79   | 17.50   | 19.00   |
|           |            | 12      | 0         | 17.58   | 17.79   | 17.59   | 19.00   |
|           |            | 12      | 6         | 17.54   | 17.81   | 17.55   | 19.00   |
|           |            | 12      | 13        | 17.58   | 17.68   | 17.59   | 19.00   |
|           |            | 25      | 0         | 17.51   | 17.79   | 17.53   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.59   | 17.78   | 17.51   | 19.00   |
|           |            | 1       | 13        | 17.61   | 17.73   | 17.63   | 19.00   |
|           |            | 1       | 24        | 17.58   | 17.83   | 17.54   | 19.00   |
|           |            | 12      | 0         | 17.55   | 17.82   | 17.58   | 19.00   |
|           |            | 12      | 6         | 17.54   | 17.72   | 17.58   | 19.00   |
|           |            | 12      | 13        | 17.53   | 17.76   | 17.59   | 19.00   |
|           |            | 25      | 0         | 17.58   | 17.75   | 17.61   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.53   | 17.80   | 17.54   | 19.00   |
|           |            | 1       | 13        | 17.62   | 17.74   | 17.53   | 19.00   |
|           |            | 1       | 24        | 17.62   | 17.72   | 17.52   | 19.00   |
|           |            | 12      | 0         | 17.56   | 17.81   | 17.61   | 19.00   |
|           |            | 12      | 6         | 17.57   | 17.77   | 17.54   | 19.00   |
|           |            | 12      | 13        | 17.53   | 17.75   | 17.55   | 19.00   |
|           |            | 25      | 0         | 17.53   | 17.76   | 17.52   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.69   | 18.07   | 17.71   | 19.00   |
|           |            | 1       | 25        | 17.57   | 17.80   | 17.56   | 19.00   |
|           |            | 1       | 49        | 17.58   | 17.77   | 17.53   | 19.00   |
|           |            | 25      | 0         | 17.58   | 17.79   | 17.58   | 19.00   |
|           |            | 25      | 13        | 17.56   | 17.81   | 17.61   | 19.00   |
|           |            | 25      | 25        | 17.57   | 17.80   | 17.50   | 19.00   |
|           |            | 50      | 0         | 17.63   | 17.82   | 17.52   | 19.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 17.57   | 17.76   | 17.54   | 19.00   |
|           |            | 1       | 25        | 17.55   | 17.70   | 17.54   | 19.00   |
|           |            | 1       | 49        | 17.57   | 17.79   | 17.51   | 19.00   |
|           |            | 25      | 0         | 17.55   | 17.82   | 17.58   | 19.00   |
|           |            | 25      | 13        | 17.57   | 17.80   | 17.57   | 19.00   |
|           |            | 25      | 25        | 17.62   | 17.72   | 17.59   | 19.00   |
|           | 64QAM      | 50      | 0         | 17.53   | 17.78   | 17.58   | 19.00   |
|           |            | 1       | 0         | 17.63   | 17.75   | 17.49   | 19.00   |
|           |            | 1       | 25        | 17.63   | 17.73   | 17.58   | 19.00   |
|           |            | 1       | 49        | 17.58   | 17.81   | 17.58   | 19.00   |
|           |            | 25      | 0         | 17.53   | 17.79   | 17.54   | 19.00   |
|           |            | 25      | 13        | 17.54   | 17.74   | 17.62   | 19.00   |
|           | 256QAM     | 25      | 25        | 17.58   | 17.81   | 17.59   | 19.00   |
|           |            | 50      | 0         | 17.56   | 17.75   | 17.59   | 19.00   |
|           |            | 1       | 0         | 17.60   | 17.75   | 17.51   | 19.00   |
|           |            | 1       | 25        | 17.53   | 17.70   | 17.56   | 19.00   |
|           |            | 1       | 49        | 17.62   | 17.73   | 17.53   | 19.00   |
|           |            | 25      | 0         | 17.52   | 17.74   | 17.56   | 19.00   |
| 15MHz     | QPSK       | 25      | 13        | 17.59   | 17.72   | 17.51   | 19.00   |
|           |            | 25      | 25        | 17.61   | 17.76   | 17.58   | 19.00   |
|           |            | 50      | 0         | 17.56   | 17.74   | 17.56   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.64   | 18.03   | 17.66   | 19.00   |
|           |            | 1       | 38        | 17.51   | 17.83   | 17.54   | 19.00   |
|           |            | 1       | 74        | 17.60   | 17.79   | 17.54   | 19.00   |
|           |            | 36      | 0         | 17.53   | 17.81   | 17.57   | 19.00   |
|           |            | 36      | 18        | 17.57   | 17.84   | 17.61   | 19.00   |
|           |            | 36      | 39        | 17.51   | 17.83   | 17.58   | 19.00   |
|           | 64QAM      | 75      | 0         | 17.64   | 17.82   | 17.50   | 19.00   |
|           |            | 1       | 0         | 17.58   | 17.79   | 17.55   | 19.00   |
|           |            | 1       | 38        | 17.54   | 17.72   | 17.47   | 19.00   |
|           |            | 1       | 74        | 17.57   | 17.80   | 17.56   | 19.00   |
|           |            | 36      | 0         | 17.62   | 17.75   | 17.52   | 19.00   |
|           |            | 36      | 18        | 17.51   | 17.82   | 17.56   | 19.00   |
| 20MHz     | 16QAM      | 36      | 39        | 17.60   | 17.68   | 17.56   | 19.00   |
|           |            | 75      | 0         | 17.51   | 17.74   | 17.56   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.63   | 17.79   | 17.48   | 19.00   |
|           |            | 1       | 38        | 17.58   | 17.74   | 17.58   | 19.00   |
|           |            | 1       | 74        | 17.54   | 17.80   | 17.56   | 19.00   |
|           |            | 36      | 0         | 17.51   | 17.76   | 17.59   | 19.00   |
|           | 64QAM      | 36      | 18        | 17.51   | 17.73   | 17.60   | 19.00   |
|           |            | 36      | 39        | 17.50   | 17.82   | 17.60   | 19.00   |
|           |            | 75      | 0         | 17.57   | 17.78   | 17.61   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.52   | 17.82   | 17.51   | 19.00   |
|           |            | 1       | 38        | 17.62   | 17.75   | 17.58   | 19.00   |
|           |            | 1       | 74        | 17.58   | 17.73   | 17.55   | 19.00   |
|           |            | 36      | 0         | 17.51   | 17.78   | 17.60   | 19.00   |
|           |            | 36      | 18        | 17.58   | 17.77   | 17.50   | 19.00   |
|           |            | 36      | 39        | 17.59   | 17.77   | 17.58   | 19.00   |
|           | 64QAM      | 75      | 0         | 17.49   | 17.73   | 17.57   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.75   | 18.16   | 17.79   | 19.00   |
|           |            | 1       | 50        | 17.66   | 17.91   | 17.64   | 19.00   |
|           |            | 1       | 99        | 17.71   | 17.86   | 17.62   | 19.00   |
|           |            | 50      | 0         | 17.66   | 17.87   | 17.70   | 19.00   |
|           |            | 50      | 25        | 17.70   | 17.92   | 17.70   | 19.00   |
|           |            | 50      | 50        | 17.65   | 17.92   | 17.65   | 19.00   |
|           | 16QAM      | 100     | 0         | 17.72   | 17.90   | 17.63   | 19.00   |
|           |            | 1       | 0         | 17.65   | 17.87   | 17.64   | 19.00   |
|           |            | 1       | 50        | 17.68   | 17.84   | 17.62   | 19.00   |
|           |            | 1       | 99        | 17.64   | 17.91   | 17.64   | 19.00   |
|           |            | 50      | 0         | 17.70   | 17.89   | 17.67   | 19.00   |
|           |            | 50      | 25        | 17.63   | 17.89   | 17.64   | 19.00   |
|           | 64QAM      | 50      | 50        | 17.69   | 17.83   | 17.69   | 19.00   |
|           |            | 100     | 0         | 17.66   | 17.89   | 17.65   | 19.00   |
|           |            | 1       | 0         | 17.70   | 17.88   | 17.63   | 19.00   |
|           |            | 1       | 50        | 17.71   | 17.86   | 17.70   | 19.00   |
|           |            | 1       | 99        | 17.66   | 17.91   | 17.66   | 19.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 50  | 0  | 17.64 | 17.88 | 17.65 | 19.00 |
|  |        | 50  | 25 | 17.63 | 17.85 | 17.70 | 19.00 |
|  |        | 50  | 50 | 17.64 | 17.89 | 17.71 | 19.00 |
|  |        | 100 | 0  | 17.65 | 17.85 | 17.71 | 19.00 |
|  | 256QAM | 1   | 0  | 17.67 | 17.88 | 17.65 | 19.00 |
|  |        | 1   | 50 | 17.68 | 17.83 | 17.68 | 19.00 |
|  |        | 1   | 99 | 17.70 | 17.86 | 17.64 | 19.00 |
|  |        | 50  | 0  | 17.65 | 17.87 | 17.68 | 19.00 |
|  |        | 50  | 25 | 17.68 | 17.83 | 17.63 | 19.00 |
|  |        | 50  | 50 | 17.68 | 17.85 | 17.66 | 19.00 |
|  |        | 100 | 0  | 17.63 | 17.85 | 17.64 | 19.00 |

| LTE Band 2 Hotspot for Simultaneous ULCA&ENDC |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                     | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                               |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                                        | QPSK       | 1       | 0         | 17.14                | 17.56   | 17.25   | 18.50   |
|                                               |            | 1       | 2         | 17.09                | 17.29   | 16.98   | 18.50   |
|                                               |            | 1       | 5         | 17.16                | 17.21   | 17.02   | 18.50   |
|                                               |            | 3       | 0         | 17.05                | 17.24   | 17.06   | 18.50   |
|                                               |            | 3       | 2         | 17.06                | 17.27   | 17.14   | 18.50   |
|                                               |            | 3       | 3         | 17.04                | 17.31   | 17.02   | 18.50   |
|                                               | 16QAM      | 6       | 0         | 17.16                | 17.34   | 17.00   | 18.50   |
|                                               |            | 1       | 0         | 17.05                | 17.29   | 17.02   | 18.50   |
|                                               |            | 1       | 2         | 17.09                | 17.28   | 16.99   | 18.50   |
|                                               |            | 1       | 5         | 17.07                | 17.24   | 17.11   | 18.50   |
|                                               |            | 3       | 0         | 17.09                | 17.25   | 17.06   | 18.50   |
|                                               |            | 3       | 2         | 17.05                | 17.25   | 17.01   | 18.50   |
|                                               | 64QAM      | 3       | 3         | 17.12                | 17.24   | 17.00   | 18.50   |
|                                               |            | 6       | 0         | 17.12                | 17.28   | 17.05   | 18.50   |
|                                               |            | 1       | 0         | 17.07                | 17.27   | 17.06   | 18.50   |
|                                               |            | 1       | 2         | 17.07                | 17.25   | 17.12   | 18.50   |
|                                               |            | 1       | 5         | 17.04                | 17.28   | 17.08   | 18.50   |
|                                               |            | 3       | 0         | 17.04                | 17.26   | 17.01   | 18.50   |
|                                               | 256QAM     | 3       | 2         | 17.01                | 17.28   | 17.06   | 18.50   |
|                                               |            | 3       | 3         | 17.04                | 17.23   | 17.09   | 18.50   |
|                                               |            | 6       | 0         | 17.07                | 17.26   | 17.04   | 18.50   |
|                                               |            | 1       | 0         | 17.06                | 17.25   | 17.07   | 18.50   |
|                                               |            | 1       | 2         | 17.06                | 17.23   | 17.05   | 18.50   |
|                                               |            | 1       | 5         | 17.16                | 17.26   | 17.05   | 18.50   |
| 3MHz                                          | QPSK       | 3       | 0         | 17.09                | 17.25   | 17.07   | 18.50   |
|                                               |            | 3       | 2         | 17.07                | 17.24   | 16.98   | 18.50   |
|                                               |            | 3       | 3         | 17.06                | 17.23   | 17.12   | 18.50   |
|                                               |            | 6       | 0         | 17.00                | 17.27   | 17.05   | 18.50   |
|                                               | 16QAM      | 1       | 0         | 17.19                | 17.60   | 17.18   | 18.50   |
|                                               |            | 1       | 7         | 17.04                | 17.25   | 16.99   | 18.50   |
|                                               |            | 1       | 14        | 17.17                | 17.28   | 16.99   | 18.50   |
|                                               |            | 8       | 0         | 17.08                | 17.24   | 17.03   | 18.50   |
|                                               |            | 8       | 4         | 17.10                | 17.29   | 17.09   | 18.50   |
|                                               |            | 8       | 7         | 17.05                | 17.32   | 17.04   | 18.50   |
|                                               | 64QAM      | 15      | 0         | 17.15                | 17.32   | 17.04   | 18.50   |
|                                               |            | 1       | 0         | 17.04                | 17.26   | 17.09   | 18.50   |
|                                               |            | 1       | 7         | 17.13                | 17.24   | 16.95   | 18.50   |
|                                               |            | 1       | 14        | 17.05                | 17.24   | 17.10   | 18.50   |
|                                               |            | 8       | 0         | 17.12                | 17.24   | 17.04   | 18.50   |
|                                               |            | 8       | 4         | 17.02                | 17.32   | 17.04   | 18.50   |
|                                               | 256QAM     | 8       | 7         | 17.14                | 17.21   | 17.04   | 18.50   |
|                                               |            | 15      | 0         | 17.11                | 17.22   | 17.01   | 18.50   |
|                                               |            | 1       | 0         | 17.00                | 17.32   | 17.07   | 18.50   |
|                                               |            | 1       | 7         | 17.05                | 17.25   | 17.12   | 18.50   |
|                                               |            | 1       | 14        | 16.99                | 17.32   | 17.06   | 18.50   |
|                                               |            | 8       | 0         | 17.02                | 17.24   | 17.02   | 18.50   |
|                                               | 256QAM     | 8       | 4         | 17.01                | 17.21   | 17.13   | 18.50   |
|                                               |            | 8       | 7         | 17.06                | 17.21   | 17.17   | 18.50   |
|                                               |            | 15      | 0         | 17.07                | 17.21   | 17.12   | 18.50   |
|                                               |            | 1       | 0         | 17.06                | 17.24   | 17.07   | 18.50   |
|                                               |            | 1       | 7         | 17.05                | 17.20   | 17.05   | 18.50   |

|           |            | 1       | 14        | 17.13   | 17.28   | 17.06   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 0         | 17.06   | 17.23   | 17.08   | 18.50   |
|           |            | 8       | 4         | 17.09   | 17.22   | 17.00   | 18.50   |
|           |            | 8       | 7         | 17.11   | 17.25   | 17.12   | 18.50   |
|           |            | 15      | 0         | 17.04   | 17.28   | 17.02   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.13   | 17.54   | 17.17   | 18.50   |
|           |            | 1       | 13        | 17.08   | 17.22   | 17.00   | 18.50   |
|           |            | 1       | 24        | 17.16   | 17.26   | 17.01   | 18.50   |
|           |            | 12      | 0         | 17.07   | 17.28   | 17.07   | 18.50   |
|           |            | 12      | 6         | 17.09   | 17.28   | 17.12   | 18.50   |
|           |            | 12      | 13        | 17.04   | 17.38   | 17.08   | 18.50   |
|           | 16QAM      | 25      | 0         | 17.16   | 17.35   | 16.98   | 18.50   |
|           |            | 1       | 0         | 17.10   | 17.30   | 17.07   | 18.50   |
|           |            | 1       | 13        | 17.08   | 17.28   | 16.94   | 18.50   |
|           |            | 1       | 24        | 17.03   | 17.28   | 17.10   | 18.50   |
|           |            | 12      | 0         | 17.09   | 17.24   | 17.07   | 18.50   |
|           |            | 12      | 6         | 17.04   | 17.27   | 17.05   | 18.50   |
|           | 64QAM      | 12      | 13        | 17.09   | 17.28   | 17.04   | 18.50   |
|           |            | 25      | 0         | 17.05   | 17.25   | 17.04   | 18.50   |
|           |            | 1       | 0         | 17.02   | 17.32   | 17.07   | 18.50   |
|           |            | 1       | 13        | 17.07   | 17.30   | 17.12   | 18.50   |
|           |            | 1       | 24        | 17.01   | 17.32   | 17.08   | 18.50   |
|           |            | 12      | 0         | 17.02   | 17.25   | 17.06   | 18.50   |
|           | 256QAM     | 12      | 6         | 17.09   | 17.22   | 17.06   | 18.50   |
|           |            | 12      | 13        | 17.03   | 17.24   | 17.13   | 18.50   |
|           |            | 25      | 0         | 17.03   | 17.20   | 17.10   | 18.50   |
|           |            | 1       | 0         | 17.01   | 17.25   | 17.02   | 18.50   |
|           |            | 1       | 13        | 17.10   | 17.26   | 17.04   | 18.50   |
|           |            | 1       | 24        | 17.11   | 17.25   | 17.04   | 18.50   |
| 10MHz     | QPSK       | 12      | 0         | 17.09   | 17.29   | 17.08   | 18.50   |
|           |            | 12      | 6         | 17.07   | 17.24   | 17.01   | 18.50   |
|           |            | 12      | 13        | 17.10   | 17.28   | 17.13   | 18.50   |
|           |            | 25      | 0         | 17.02   | 17.30   | 17.05   | 18.50   |
|           | 16QAM      | 1       | 0         | 17.19   | 17.57   | 17.17   | 18.50   |
|           |            | 1       | 25        | 17.03   | 17.26   | 17.03   | 18.50   |
|           |            | 1       | 49        | 17.15   | 17.24   | 16.98   | 18.50   |
|           |            | 25      | 0         | 17.05   | 17.26   | 17.06   | 18.50   |
|           |            | 25      | 13        | 17.12   | 17.26   | 17.12   | 18.50   |
|           |            | 25      | 25        | 17.01   | 17.31   | 17.08   | 18.50   |
|           | 64QAM      | 50      | 0         | 17.08   | 17.30   | 17.03   | 18.50   |
|           |            | 1       | 0         | 17.09   | 17.30   | 17.11   | 18.50   |
|           |            | 1       | 25        | 17.06   | 17.27   | 16.94   | 18.50   |
|           |            | 1       | 49        | 17.02   | 17.28   | 17.10   | 18.50   |
|           |            | 25      | 0         | 17.11   | 17.21   | 17.08   | 18.50   |
|           |            | 25      | 13        | 17.08   | 17.31   | 17.02   | 18.50   |
|           | 256QAM     | 25      | 25        | 17.10   | 17.26   | 17.00   | 18.50   |
|           |            | 50      | 0         | 17.11   | 17.25   | 17.06   | 18.50   |
|           |            | 1       | 0         | 17.00   | 17.33   | 17.10   | 18.50   |
|           |            | 1       | 25        | 17.07   | 17.28   | 17.09   | 18.50   |
|           |            | 1       | 49        | 16.99   | 17.33   | 17.05   | 18.50   |
|           |            | 25      | 0         | 16.95   | 17.28   | 17.01   | 18.50   |
| 15MHz     | QPSK       | 25      | 13        | 17.08   | 17.28   | 17.06   | 18.50   |
|           |            | 25      | 25        | 17.04   | 17.21   | 17.10   | 18.50   |
|           |            | 50      | 0         | 17.04   | 17.27   | 17.10   | 18.50   |
|           |            | 1       | 0         | 17.06   | 17.32   | 17.01   | 18.50   |
|           |            | 1       | 25        | 17.08   | 17.21   | 17.01   | 18.50   |
|           |            | 1       | 49        | 17.07   | 17.23   | 17.09   | 18.50   |
|           | 16QAM      | 25      | 0         | 17.06   | 17.24   | 17.08   | 18.50   |
|           |            | 25      | 13        | 17.11   | 17.21   | 17.00   | 18.50   |
|           |            | 25      | 25        | 17.11   | 17.22   | 17.10   | 18.50   |
|           |            | 50      | 0         | 17.01   | 17.23   | 17.05   | 18.50   |
|           | 64QAM      | 1       | 0         | 17.17   | 17.60   | 17.22   | 18.50   |
|           |            | 1       | 38        | 17.11   | 17.22   | 16.97   | 18.50   |
|           |            | 1       | 74        | 17.15   | 17.25   | 16.95   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |

|           |            | 36      | 0         | 17.07   | 17.28   | 17.07   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 18        | 17.12   | 17.31   | 17.12   | 18.50   |
|           |            | 36      | 39        | 17.06   | 17.31   | 17.01   | 18.50   |
|           |            | 75      | 0         | 17.10   | 17.28   | 17.01   | 18.50   |
|           | 16QAM      | 1       | 0         | 17.11   | 17.30   | 17.03   | 18.50   |
|           |            | 1       | 38        | 17.06   | 17.21   | 16.99   | 18.50   |
|           |            | 1       | 74        | 16.98   | 17.22   | 17.08   | 18.50   |
|           |            | 36      | 0         | 17.11   | 17.28   | 17.05   | 18.50   |
|           |            | 36      | 18        | 17.02   | 17.26   | 17.06   | 18.50   |
|           |            | 36      | 39        | 17.13   | 17.27   | 17.08   | 18.50   |
|           |            | 75      | 0         | 17.11   | 17.25   | 17.01   | 18.50   |
|           |            | 75      | 0         | 17.11   | 17.25   | 17.01   | 18.50   |
|           | 64QAM      | 1       | 0         | 17.02   | 17.30   | 17.11   | 18.50   |
|           |            | 1       | 38        | 17.07   | 17.30   | 17.07   | 18.50   |
|           |            | 1       | 74        | 16.98   | 17.29   | 17.04   | 18.50   |
|           |            | 36      | 0         | 16.97   | 17.20   | 17.01   | 18.50   |
|           |            | 36      | 18        | 17.01   | 17.24   | 17.08   | 18.50   |
|           |            | 36      | 39        | 17.03   | 17.20   | 17.16   | 18.50   |
|           |            | 75      | 0         | 17.03   | 17.23   | 17.12   | 18.50   |
|           |            | 75      | 0         | 17.03   | 17.23   | 17.12   | 18.50   |
|           | 256QAM     | 1       | 0         | 17.06   | 17.26   | 17.00   | 18.50   |
|           |            | 1       | 38        | 17.05   | 17.25   | 17.04   | 18.50   |
|           |            | 1       | 74        | 17.12   | 17.26   | 17.01   | 18.50   |
|           |            | 36      | 0         | 17.11   | 17.28   | 17.09   | 18.50   |
|           |            | 36      | 18        | 17.09   | 17.21   | 17.06   | 18.50   |
|           |            | 36      | 39        | 17.05   | 17.30   | 17.07   | 18.50   |
|           |            | 75      | 0         | 17.06   | 17.27   | 17.06   | 18.50   |
|           |            | 75      | 0         | 17.06   | 17.27   | 17.06   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.25   | 17.67   | 17.31   | 18.50   |
|           |            | 1       | 50        | 17.18   | 17.37   | 17.11   | 18.50   |
|           |            | 1       | 99        | 17.25   | 17.35   | 17.08   | 18.50   |
|           |            | 50      | 0         | 17.19   | 17.36   | 17.17   | 18.50   |
|           |            | 50      | 25        | 17.19   | 17.40   | 17.23   | 18.50   |
|           |            | 50      | 50        | 17.16   | 17.45   | 17.15   | 18.50   |
|           |            | 100     | 0         | 17.23   | 17.42   | 17.11   | 18.50   |
|           |            | 100     | 0         | 17.23   | 17.42   | 17.11   | 18.50   |
|           | 16QAM      | 1       | 0         | 17.17   | 17.40   | 17.17   | 18.50   |
|           |            | 1       | 50        | 17.20   | 17.36   | 17.08   | 18.50   |
|           |            | 1       | 99        | 17.13   | 17.37   | 17.18   | 18.50   |
|           |            | 50      | 0         | 17.22   | 17.35   | 17.18   | 18.50   |
|           |            | 50      | 25        | 17.14   | 17.38   | 17.14   | 18.50   |
|           |            | 50      | 50        | 17.22   | 17.36   | 17.14   | 18.50   |
|           |            | 100     | 0         | 17.18   | 17.36   | 17.13   | 18.50   |
|           |            | 100     | 0         | 17.18   | 17.36   | 17.13   | 18.50   |
|           | 64QAM      | 1       | 0         | 17.15   | 17.40   | 17.17   | 18.50   |
|           |            | 1       | 50        | 17.18   | 17.39   | 17.21   | 18.50   |
|           |            | 1       | 99        | 17.13   | 17.43   | 17.16   | 18.50   |
|           |            | 50      | 0         | 17.10   | 17.35   | 17.13   | 18.50   |
|           |            | 50      | 25        | 17.15   | 17.36   | 17.20   | 18.50   |
|           |            | 50      | 50        | 17.17   | 17.34   | 17.23   | 18.50   |
|           |            | 100     | 0         | 17.13   | 17.33   | 17.19   | 18.50   |
|           |            | 100     | 0         | 17.13   | 17.33   | 17.19   | 18.50   |
|           | 256QAM     | 1       | 0         | 17.14   | 17.38   | 17.15   | 18.50   |
|           |            | 1       | 50        | 17.20   | 17.32   | 17.14   | 18.50   |
|           |            | 1       | 99        | 17.22   | 17.36   | 17.16   | 18.50   |
|           |            | 50      | 0         | 17.18   | 17.36   | 17.15   | 18.50   |
|           |            | 50      | 25        | 17.19   | 17.31   | 17.13   | 18.50   |
|           |            | 50      | 50        | 17.19   | 17.36   | 17.20   | 18.50   |
|           |            | 100     | 0         | 17.14   | 17.37   | 17.15   | 18.50   |
|           |            | 100     | 0         | 17.14   | 17.37   | 17.15   | 18.50   |

| LTE Band 4 full power |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 23.31                | 23.22   | 23.19   | 24.00   |
|                       |            | 1       | 2         | 23.34                | 23.33   | 23.24   | 24.00   |
|                       |            | 1       | 5         | 23.08                | 23.13   | 23.03   | 24.00   |
|                       |            | 3       | 0         | 23.32                | 23.26   | 23.16   | 24.00   |
|                       |            | 3       | 2         | 23.42                | 23.32   | 23.26   | 24.00   |
|                       |            | 3       | 3         | 23.42                | 23.33   | 23.40   | 24.00   |
|                       |            | 6       | 0         | 22.28                | 22.29   | 22.26   | 23.00   |
|                       |            | 6       | 0         | 22.28                | 22.29   | 22.26   | 23.00   |
|                       | 16QAM      | 1       | 0         | 22.38                | 22.37   | 22.38   | 23.00   |
|                       |            | 1       | 2         | 22.23                | 22.20   | 22.15   | 23.00   |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 5         | 22.51   | 22.55   | 22.51   | 23.00   |
|           |            | 3       | 0         | 22.57   | 22.61   | 22.58   | 23.00   |
|           |            | 3       | 2         | 22.55   | 22.45   | 22.39   | 23.00   |
|           |            | 3       | 3         | 22.28   | 22.25   | 22.15   | 23.00   |
|           |            | 6       | 0         | 21.12   | 21.20   | 21.20   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.36   | 21.35   | 21.35   | 22.00   |
|           |            | 1       | 2         | 21.19   | 21.12   | 21.20   | 22.00   |
|           |            | 1       | 5         | 21.26   | 21.35   | 21.27   | 22.00   |
|           |            | 3       | 0         | 21.30   | 21.39   | 21.41   | 22.00   |
|           |            | 3       | 2         | 21.28   | 21.20   | 21.23   | 22.00   |
|           | 256QAM     | 3       | 3         | 21.09   | 21.05   | 21.01   | 22.00   |
|           |            | 6       | 0         | 20.42   | 20.44   | 20.40   | 21.00   |
|           |            | 1       | 0         | 18.30   | 18.23   | 18.32   | 19.00   |
|           |            | 1       | 2         | 18.22   | 18.29   | 18.27   | 19.00   |
|           |            | 1       | 5         | 18.30   | 18.31   | 18.25   | 19.00   |
|           |            | 3       | 0         | 18.41   | 18.46   | 18.38   | 19.00   |
|           |            | 3       | 2         | 18.22   | 18.28   | 18.33   | 19.00   |
|           |            | 3       | 3         | 18.60   | 18.57   | 18.49   | 19.00   |
|           |            | 6       | 0         | 18.40   | 18.47   | 18.51   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19965   | 20175   | 20385   |         |
| 3MHz      | QPSK       | 1       | 0         | 23.32   | 23.30   | 23.17   | 24.00   |
|           |            | 1       | 7         | 23.14   | 23.21   | 23.15   | 24.00   |
|           |            | 1       | 14        | 23.01   | 23.21   | 23.21   | 24.00   |
|           |            | 8       | 0         | 22.12   | 22.20   | 22.10   | 23.00   |
|           |            | 8       | 4         | 22.25   | 22.22   | 22.13   | 23.00   |
|           |            | 8       | 7         | 22.21   | 22.20   | 22.21   | 23.00   |
|           | 16QAM      | 15      | 0         | 22.23   | 22.22   | 22.17   | 23.00   |
|           |            | 1       | 0         | 22.29   | 22.34   | 22.18   | 23.00   |
|           |            | 1       | 7         | 22.17   | 22.27   | 22.08   | 23.00   |
|           |            | 1       | 14        | 22.29   | 22.26   | 22.25   | 23.00   |
|           |            | 8       | 0         | 21.15   | 21.21   | 21.23   | 22.00   |
|           |            | 8       | 4         | 21.13   | 21.16   | 21.14   | 22.00   |
|           | 64QAM      | 8       | 7         | 21.18   | 21.26   | 21.07   | 22.00   |
|           |            | 15      | 0         | 21.14   | 21.26   | 21.18   | 22.00   |
|           |            | 1       | 0         | 21.14   | 21.26   | 21.24   | 22.00   |
|           |            | 1       | 7         | 21.12   | 21.18   | 21.08   | 22.00   |
|           |            | 1       | 14        | 21.27   | 21.17   | 21.09   | 22.00   |
|           |            | 8       | 0         | 20.12   | 20.19   | 20.16   | 21.00   |
|           | 256QAM     | 8       | 4         | 20.05   | 20.20   | 20.12   | 21.00   |
|           |            | 8       | 7         | 20.25   | 20.19   | 20.28   | 21.00   |
|           |            | 15      | 0         | 20.11   | 20.15   | 20.16   | 21.00   |
|           |            | 1       | 0         | 18.17   | 18.27   | 18.08   | 19.00   |
|           |            | 1       | 7         | 18.23   | 18.18   | 18.15   | 19.00   |
|           |            | 1       | 14        | 18.26   | 18.26   | 18.16   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.27   | 23.32   | 23.10   | 24.00   |
|           |            | 1       | 13        | 23.11   | 23.17   | 23.12   | 24.00   |
|           |            | 1       | 24        | 23.11   | 23.17   | 23.22   | 24.00   |
|           |            | 12      | 0         | 22.09   | 22.18   | 22.11   | 23.00   |
|           |            | 12      | 6         | 22.26   | 22.27   | 22.15   | 23.00   |
|           |            | 12      | 13        | 22.22   | 22.34   | 22.24   | 23.00   |
|           | 16QAM      | 25      | 0         | 22.19   | 22.21   | 22.21   | 23.00   |
|           |            | 1       | 0         | 22.26   | 22.25   | 22.27   | 23.00   |
|           |            | 1       | 13        | 22.19   | 22.31   | 22.16   | 23.00   |
|           |            | 1       | 24        | 22.21   | 22.23   | 22.19   | 23.00   |
|           |            | 12      | 0         | 21.16   | 21.20   | 21.23   | 22.00   |
|           |            | 12      | 6         | 21.21   | 21.30   | 21.14   | 22.00   |
|           | 64QAM      | 12      | 13        | 21.15   | 21.22   | 21.17   | 22.00   |
|           |            | 25      | 0         | 21.20   | 21.27   | 21.15   | 22.00   |
|           |            | 1       | 0         | 21.07   | 21.21   | 21.15   | 22.00   |
|           |            | 1       | 13        | 21.12   | 21.12   | 21.16   | 22.00   |
|           |            | 1       | 24        | 21.18   | 21.24   | 21.07   | 22.00   |
|           |            | 12      | 0         | 20.08   | 20.25   | 20.25   | 21.00   |
|           |            | 12      | 6         | 20.05   | 20.18   | 20.06   | 21.00   |

|           | 256QAM     | 12      | 13        | 20.27   | 20.25   | 20.18   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 20.00   | 20.22   | 20.07   | 21.00   |
|           |            | 1       | 0         | 18.14   | 18.17   | 18.17   | 19.00   |
|           |            | 1       | 13        | 18.21   | 18.23   | 18.12   | 19.00   |
|           |            | 1       | 24        | 18.28   | 18.20   | 18.14   | 19.00   |
|           |            | 12      | 0         | 18.22   | 18.26   | 18.20   | 19.00   |
|           |            | 12      | 6         | 18.25   | 18.17   | 18.26   | 19.00   |
|           |            | 12      | 13        | 18.10   | 18.30   | 18.16   | 19.00   |
|           |            | 25      | 0         | 18.17   | 18.16   | 18.20   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 23.30   | 23.21   | 23.15   | 24.00   |
|           |            | 1       | 25        | 23.16   | 23.25   | 23.18   | 24.00   |
|           |            | 1       | 49        | 23.01   | 23.14   | 23.21   | 24.00   |
|           |            | 25      | 0         | 22.17   | 22.26   | 22.02   | 23.00   |
|           |            | 25      | 13        | 22.20   | 22.22   | 22.13   | 23.00   |
|           |            | 25      | 25        | 22.26   | 22.25   | 22.25   | 23.00   |
|           |            | 50      | 0         | 22.10   | 22.27   | 22.23   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.33   | 22.25   | 22.27   | 23.00   |
|           |            | 1       | 25        | 22.17   | 22.18   | 22.11   | 23.00   |
|           |            | 1       | 49        | 22.31   | 22.24   | 22.21   | 23.00   |
|           |            | 25      | 0         | 21.16   | 21.18   | 21.19   | 22.00   |
|           |            | 25      | 13        | 21.24   | 21.30   | 21.10   | 22.00   |
|           |            | 25      | 25        | 21.10   | 21.17   | 21.19   | 22.00   |
|           |            | 50      | 0         | 21.08   | 21.24   | 21.24   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.08   | 21.27   | 21.14   | 22.00   |
|           |            | 1       | 25        | 21.06   | 21.11   | 21.10   | 22.00   |
|           |            | 1       | 49        | 21.25   | 21.27   | 21.13   | 22.00   |
|           |            | 25      | 0         | 20.11   | 20.21   | 20.20   | 21.00   |
|           |            | 25      | 13        | 20.12   | 20.28   | 20.06   | 21.00   |
|           |            | 25      | 25        | 20.28   | 20.29   | 20.25   | 21.00   |
|           |            | 50      | 0         | 20.08   | 20.24   | 20.07   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.06   | 18.24   | 18.07   | 19.00   |
|           |            | 1       | 25        | 18.24   | 18.16   | 18.19   | 19.00   |
|           |            | 1       | 49        | 18.22   | 18.21   | 18.12   | 19.00   |
|           |            | 25      | 0         | 18.20   | 18.16   | 18.13   | 19.00   |
|           |            | 25      | 13        | 18.22   | 18.24   | 18.22   | 19.00   |
|           |            | 25      | 25        | 18.12   | 18.31   | 18.25   | 19.00   |
|           |            | 50      | 0         | 18.07   | 18.21   | 18.17   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 23.24   | 23.22   | 23.21   | 24.00   |
|           |            | 1       | 38        | 23.07   | 23.22   | 23.13   | 24.00   |
|           |            | 1       | 74        | 23.03   | 23.24   | 23.26   | 24.00   |
|           |            | 36      | 0         | 22.15   | 22.19   | 22.04   | 23.00   |
|           |            | 36      | 18        | 22.19   | 22.24   | 22.12   | 23.00   |
|           |            | 36      | 39        | 22.18   | 22.33   | 22.22   | 23.00   |
|           |            | 75      | 0         | 22.12   | 22.29   | 22.29   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.26   | 22.23   | 22.22   | 23.00   |
|           |            | 1       | 38        | 22.16   | 22.29   | 22.09   | 23.00   |
|           |            | 1       | 74        | 22.23   | 22.26   | 22.23   | 23.00   |
|           |            | 36      | 0         | 21.10   | 21.28   | 21.18   | 22.00   |
|           |            | 36      | 18        | 21.17   | 21.24   | 21.14   | 22.00   |
|           |            | 36      | 39        | 21.08   | 21.14   | 21.16   | 22.00   |
|           |            | 75      | 0         | 21.20   | 21.29   | 21.13   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.04   | 21.23   | 21.15   | 22.00   |
|           |            | 1       | 38        | 21.02   | 21.14   | 21.18   | 22.00   |
|           |            | 1       | 74        | 21.22   | 21.22   | 21.10   | 22.00   |
|           |            | 36      | 0         | 20.22   | 20.27   | 20.14   | 21.00   |
|           |            | 36      | 18        | 20.17   | 20.25   | 20.10   | 21.00   |
|           |            | 36      | 39        | 20.23   | 20.29   | 20.17   | 21.00   |
|           |            | 75      | 0         | 20.09   | 20.19   | 20.09   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.14   | 18.25   | 18.08   | 19.00   |
|           |            | 1       | 38        | 18.24   | 18.24   | 18.25   | 19.00   |
|           |            | 1       | 74        | 18.23   | 18.18   | 18.16   | 19.00   |
|           |            | 36      | 0         | 18.15   | 18.16   | 18.19   | 19.00   |
|           |            | 36      | 18        | 18.26   | 18.27   | 18.23   | 19.00   |
|           |            | 36      | 39        | 18.10   | 18.18   | 18.18   | 19.00   |
|           |            | 75      | 0         | 18.15   | 18.22   | 18.19   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |

|       |        |     |    |   |       |   |       |
|-------|--------|-----|----|---|-------|---|-------|
| 20MHz | QPSK   | 1   | 0  | / | 20175 | / |       |
|       |        | 1   | 50 | / | 23.34 | / | 24.00 |
|       |        | 1   | 99 | / | 23.29 | / | 24.00 |
|       |        | 1   | 99 | / | 23.28 | / | 24.00 |
|       |        | 50  | 0  | / | 22.36 | / | 23.00 |
|       |        | 50  | 25 | / | 22.32 | / | 23.00 |
|       |        | 50  | 50 | / | 22.34 | / | 23.00 |
|       | 16QAM  | 100 | 0  | / | 22.31 | / | 23.00 |
|       |        | 1   | 0  | / | 22.36 | / | 23.00 |
|       |        | 1   | 50 | / | 22.31 | / | 23.00 |
|       |        | 1   | 99 | / | 22.35 | / | 23.00 |
|       |        | 50  | 0  | / | 21.29 | / | 22.00 |
|       |        | 50  | 25 | / | 21.31 | / | 22.00 |
|       |        | 50  | 50 | / | 21.28 | / | 22.00 |
|       | 64QAM  | 100 | 0  | / | 21.32 | / | 22.00 |
|       |        | 1   | 0  | / | 21.32 | / | 22.00 |
|       |        | 1   | 50 | / | 21.26 | / | 22.00 |
|       |        | 1   | 99 | / | 21.30 | / | 22.00 |
|       |        | 50  | 0  | / | 20.31 | / | 21.00 |
|       |        | 50  | 25 | / | 20.32 | / | 21.00 |
|       |        | 50  | 50 | / | 20.33 | / | 21.00 |
|       | 256QAM | 100 | 0  | / | 20.29 | / | 21.00 |
|       |        | 1   | 0  | / | 18.30 | / | 19.00 |
|       |        | 1   | 50 | / | 18.28 | / | 19.00 |
|       |        | 1   | 99 | / | 18.32 | / | 19.00 |
|       |        | 50  | 0  | / | 18.30 | / | 19.00 |
|       |        | 50  | 25 | / | 18.31 | / | 19.00 |
|       |        | 50  | 50 | / | 18.32 | / | 19.00 |
|       |        | 100 | 0  | / | 18.29 | / | 19.00 |

| LTE Band 4 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz                 | QPSK       | 1       | 0         | 19957                | 20175   | 20393   | 23.00   |
|                        |            | 1       | 2         | 22.27                | 22.34   | 22.43   | 23.00   |
|                        |            | 1       | 5         | 22.10                | 22.27   | 22.14   | 23.00   |
|                        |            | 3       | 0         | 22.10                | 22.27   | 22.28   | 23.00   |
|                        |            | 3       | 2         | 22.19                | 22.22   | 22.14   | 23.00   |
|                        |            | 3       | 3         | 22.28                | 22.40   | 22.26   | 23.00   |
|                        | 16QAM      | 6       | 0         | 22.26                | 22.31   | 22.22   | 23.00   |
|                        |            | 1       | 0         | 22.14                | 22.26   | 22.11   | 23.00   |
|                        |            | 1       | 2         | 22.24                | 22.34   | 22.13   | 23.00   |
|                        |            | 1       | 5         | 22.30                | 22.22   | 22.25   | 23.00   |
|                        |            | 3       | 0         | 22.23                | 22.40   | 22.27   | 23.00   |
|                        |            | 3       | 2         | 21.10                | 21.24   | 21.24   | 23.00   |
|                        | 64QAM      | 3       | 3         | 21.13                | 21.22   | 21.04   | 23.00   |
|                        |            | 6       | 0         | 21.05                | 21.20   | 21.14   | 23.00   |
|                        |            | 1       | 0         | 21.20                | 21.17   | 21.19   | 22.00   |
|                        |            | 1       | 2         | 21.22                | 21.24   | 21.25   | 22.00   |
|                        |            | 1       | 5         | 21.08                | 21.11   | 21.08   | 22.00   |
|                        |            | 3       | 0         | 21.25                | 21.33   | 21.31   | 22.00   |
|                        | 256QAM     | 3       | 2         | 20.20                | 20.21   | 20.19   | 22.00   |
|                        |            | 3       | 3         | 20.10                | 20.21   | 20.19   | 22.00   |
|                        |            | 6       | 0         | 20.36                | 20.36   | 20.21   | 22.00   |
|                        |            | 1       | 0         | 20.18                | 20.27   | 20.12   | 21.00   |
|                        |            | 1       | 2         | 20.18                | 18.30   | 18.21   | 19.00   |
|                        |            | 1       | 5         | 18.26                | 18.29   | 18.25   | 19.00   |
| 3MHz                   | QPSK       | 1       | 0         | 18.25                | 18.26   | 18.21   | 19.00   |
|                        |            | 3       | 0         | 18.06                | 18.29   | 18.21   | 19.00   |
|                        |            | 3       | 2         | 18.12                | 18.22   | 18.21   | 19.00   |
|                        |            | 6       | 0         | 18.09                | 18.23   | 18.18   | 19.00   |
|                        |            | 1       | 0         | 22.22                | 22.39   | 22.31   | 23.00   |
|                        |            | 1       | 7         | 22.21                | 22.18   | 22.13   | 23.00   |
|                        |            | 1       | 14        | 22.20                | 22.33   | 22.18   | 23.00   |
|                        |            | 8       | 0         | 22.13                | 22.26   | 22.15   | 23.00   |
|                        |            | 8       | 4         | 22.30                | 22.42   | 22.33   | 23.00   |

|           |            | 8       | 7         | 22.20   | 22.22   | 22.31   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 22.16   | 22.22   | 22.07   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.23   | 22.34   | 22.11   | 23.00   |
|           |            | 1       | 7         | 22.33   | 22.20   | 22.17   | 23.00   |
|           |            | 1       | 14        | 22.27   | 22.36   | 22.24   | 23.00   |
|           |            | 8       | 0         | 21.19   | 21.25   | 21.18   | 22.00   |
|           |            | 8       | 4         | 21.22   | 21.24   | 21.18   | 22.00   |
|           |            | 8       | 7         | 21.00   | 21.19   | 21.19   | 22.00   |
|           |            | 15      | 0         | 21.23   | 21.26   | 21.28   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.18   | 21.26   | 21.17   | 22.00   |
|           |            | 1       | 7         | 21.10   | 21.17   | 21.11   | 22.00   |
|           |            | 1       | 14        | 21.18   | 21.37   | 21.24   | 22.00   |
|           |            | 8       | 0         | 20.17   | 20.28   | 20.14   | 21.00   |
|           |            | 8       | 4         | 20.17   | 20.17   | 20.10   | 21.00   |
|           |            | 8       | 7         | 20.30   | 20.41   | 20.30   | 21.00   |
|           |            | 15      | 0         | 20.30   | 20.20   | 20.17   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.29   | 18.28   | 18.07   | 19.00   |
|           |            | 1       | 7         | 18.23   | 18.26   | 18.18   | 19.00   |
|           |            | 1       | 14        | 18.17   | 18.36   | 18.17   | 19.00   |
|           |            | 8       | 0         | 18.27   | 18.29   | 18.23   | 19.00   |
|           |            | 8       | 4         | 18.18   | 18.29   | 18.10   | 19.00   |
|           |            | 8       | 7         | 18.15   | 18.25   | 18.22   | 19.00   |
|           |            | 15      | 0         | 18.11   | 18.32   | 18.15   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.30   | 22.39   | 22.31   | 23.00   |
|           |            | 1       | 13        | 22.19   | 22.18   | 22.18   | 23.00   |
|           |            | 1       | 24        | 22.15   | 22.33   | 22.22   | 23.00   |
|           |            | 12      | 0         | 22.22   | 22.32   | 22.15   | 23.00   |
|           |            | 12      | 6         | 22.23   | 22.31   | 22.26   | 23.00   |
|           |            | 12      | 13        | 22.31   | 22.23   | 22.34   | 23.00   |
|           |            | 25      | 0         | 22.11   | 22.23   | 22.03   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.28   | 22.28   | 22.09   | 23.00   |
|           |            | 1       | 13        | 22.19   | 22.30   | 22.16   | 23.00   |
|           |            | 1       | 24        | 22.24   | 22.37   | 22.35   | 23.00   |
|           |            | 12      | 0         | 21.16   | 21.19   | 21.23   | 22.00   |
|           |            | 12      | 6         | 21.13   | 21.27   | 21.14   | 22.00   |
|           |            | 12      | 13        | 21.01   | 21.24   | 21.17   | 22.00   |
|           |            | 25      | 0         | 21.21   | 21.25   | 21.22   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.17   | 21.20   | 21.16   | 22.00   |
|           |            | 1       | 13        | 21.17   | 21.14   | 21.19   | 22.00   |
|           |            | 1       | 24        | 21.15   | 21.35   | 21.24   | 22.00   |
|           |            | 12      | 0         | 20.12   | 20.19   | 20.22   | 21.00   |
|           |            | 12      | 6         | 20.12   | 20.22   | 20.17   | 21.00   |
|           |            | 12      | 13        | 20.38   | 20.30   | 20.28   | 21.00   |
|           |            | 25      | 0         | 20.21   | 20.27   | 20.17   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.25   | 18.20   | 18.19   | 19.00   |
|           |            | 1       | 13        | 18.24   | 18.25   | 18.17   | 19.00   |
|           |            | 1       | 24        | 18.28   | 18.36   | 18.25   | 19.00   |
|           |            | 12      | 0         | 18.21   | 18.27   | 18.23   | 19.00   |
|           |            | 12      | 6         | 18.12   | 18.21   | 18.10   | 19.00   |
|           |            | 12      | 13        | 18.20   | 18.25   | 18.30   | 19.00   |
|           |            | 25      | 0         | 18.14   | 18.27   | 18.11   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.32   | 22.42   | 22.36   | 23.00   |
|           |            | 1       | 25        | 22.10   | 22.20   | 22.07   | 23.00   |
|           |            | 1       | 49        | 22.11   | 22.27   | 22.30   | 23.00   |
|           |            | 25      | 0         | 22.21   | 22.29   | 22.22   | 23.00   |
|           |            | 25      | 13        | 22.27   | 22.35   | 22.35   | 23.00   |
|           |            | 25      | 25        | 22.23   | 22.23   | 22.33   | 23.00   |
|           |            | 50      | 0         | 22.10   | 22.27   | 22.13   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.26   | 22.28   | 22.17   | 23.00   |
|           |            | 1       | 25        | 22.20   | 22.32   | 22.26   | 23.00   |
|           |            | 1       | 49        | 22.17   | 22.28   | 22.26   | 23.00   |
|           |            | 25      | 0         | 21.11   | 21.30   | 21.13   | 22.00   |
|           |            | 25      | 13        | 21.23   | 21.24   | 21.12   | 22.00   |
|           |            | 25      | 25        | 21.07   | 21.15   | 21.19   | 22.00   |
|           |            | 50      | 0         | 21.26   | 21.29   | 21.17   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.24   | 21.14   | 21.28   | 22.00   |

|           |            | 1       | 25        | 21.17            | 21.20            | 21.15            | 22.00   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 49        | 21.18            | 21.34            | 21.27            | 22.00   |
|           |            | 25      | 0         | 20.24            | 20.25            | 20.18            | 21.00   |
|           |            | 25      | 13        | 20.12            | 20.28            | 20.16            | 21.00   |
|           |            | 25      | 25        | 20.38            | 20.38            | 20.20            | 21.00   |
|           |            | 50      | 0         | 20.20            | 20.27            | 20.16            | 21.00   |
|           | 256QAM     | 1       | 0         | 18.24            | 18.29            | 18.09            | 19.00   |
|           |            | 1       | 25        | 18.23            | 18.27            | 18.27            | 19.00   |
|           |            | 1       | 49        | 18.19            | 18.28            | 18.18            | 19.00   |
|           |            | 25      | 0         | 18.18            | 18.33            | 18.29            | 19.00   |
|           |            | 25      | 13        | 18.17            | 18.24            | 18.18            | 19.00   |
|           |            | 25      | 25        | 18.13            | 18.30            | 18.17            | 19.00   |
|           |            | 50      | 0         | 18.12            | 18.23            | 18.14            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>20025 | Channel<br>20175 | Channel<br>20325 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 22.29            | 22.36            | 22.38            | 23.00   |
|           |            | 1       | 38        | 22.11            | 22.28            | 22.13            | 23.00   |
|           |            | 1       | 74        | 22.10            | 22.32            | 22.31            | 23.00   |
|           |            | 36      | 0         | 22.21            | 22.24            | 22.14            | 23.00   |
|           |            | 36      | 18        | 22.33            | 22.33            | 22.37            | 23.00   |
|           |            | 36      | 39        | 22.24            | 22.22            | 22.27            | 23.00   |
|           |            | 75      | 0         | 22.10            | 22.20            | 22.12            | 23.00   |
|           | 16QAM      | 1       | 0         | 22.22            | 22.37            | 22.20            | 23.00   |
|           |            | 1       | 38        | 22.29            | 22.24            | 22.16            | 23.00   |
|           |            | 1       | 74        | 22.21            | 22.33            | 22.28            | 23.00   |
|           |            | 36      | 0         | 21.14            | 21.31            | 21.26            | 22.00   |
|           |            | 36      | 18        | 21.22            | 21.19            | 21.08            | 22.00   |
|           |            | 36      | 39        | 21.10            | 21.28            | 21.19            | 22.00   |
|           |            | 75      | 0         | 21.23            | 21.23            | 21.19            | 22.00   |
|           | 64QAM      | 1       | 0         | 21.12            | 21.20            | 21.18            | 22.00   |
|           |            | 1       | 38        | 21.06            | 21.15            | 21.21            | 22.00   |
|           |            | 1       | 74        | 21.16            | 21.37            | 21.28            | 22.00   |
|           |            | 36      | 0         | 20.22            | 20.21            | 20.16            | 21.00   |
|           |            | 36      | 18        | 20.16            | 20.14            | 20.16            | 21.00   |
|           |            | 36      | 39        | 20.27            | 20.40            | 20.26            | 21.00   |
|           |            | 75      | 0         | 20.21            | 20.23            | 20.17            | 21.00   |
|           | 256QAM     | 1       | 0         | 18.28            | 18.20            | 18.18            | 19.00   |
|           |            | 1       | 38        | 18.25            | 18.21            | 18.27            | 19.00   |
|           |            | 1       | 74        | 18.26            | 18.30            | 18.25            | 19.00   |
|           |            | 36      | 0         | 18.27            | 18.35            | 18.24            | 19.00   |
|           |            | 36      | 18        | 18.14            | 18.22            | 18.09            | 19.00   |
|           |            | 36      | 39        | 18.19            | 18.26            | 18.23            | 19.00   |
|           |            | 75      | 0         | 18.15            | 18.24            | 18.14            | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>/     | Channel<br>20175 | Channel<br>/     | Tune up |
| 20MHz     | QPSK       | 1       | 0         | /                | 22.45            | /                | 23.00   |
|           |            | 1       | 50        | /                | 22.30            | /                | 23.00   |
|           |            | 1       | 99        | /                | 22.34            | /                | 23.00   |
|           |            | 50      | 0         | /                | 22.38            | /                | 23.00   |
|           |            | 50      | 25        | /                | 22.10            | /                | 23.00   |
|           |            | 50      | 50        | /                | 22.36            | /                | 23.00   |
|           |            | 100     | 0         | /                | 22.29            | /                | 23.00   |
|           | 16QAM      | 1       | 0         | /                | 22.37            | /                | 23.00   |
|           |            | 1       | 50        | /                | 22.35            | /                | 23.00   |
|           |            | 1       | 99        | /                | 22.43            | /                | 23.00   |
|           |            | 50      | 0         | /                | 21.32            | /                | 22.00   |
|           |            | 50      | 25        | /                | 21.32            | /                | 22.00   |
|           |            | 50      | 50        | /                | 21.28            | /                | 22.00   |
|           |            | 100     | 0         | /                | 21.32            | /                | 22.00   |
|           | 64QAM      | 1       | 0         | /                | 21.28            | /                | 22.00   |
|           |            | 1       | 50        | /                | 21.24            | /                | 22.00   |
|           |            | 1       | 99        | /                | 21.40            | /                | 22.00   |
|           |            | 50      | 0         | /                | 20.29            | /                | 21.00   |
|           |            | 50      | 25        | /                | 20.28            | /                | 21.00   |
|           |            | 50      | 50        | /                | 20.43            | /                | 21.00   |
|           |            | 100     | 0         | /                | 20.31            | /                | 21.00   |
|           | 256QAM     | 1       | 0         | /                | 18.34            | /                | 19.00   |
|           |            | 1       | 50        | /                | 18.31            | /                | 19.00   |
|           |            | 1       | 99        | /                | 18.39            | /                | 19.00   |
|           |            | 50      | 0         | /                | 18.37            | /                | 19.00   |

|  |  |     |    |   |       |   |       |
|--|--|-----|----|---|-------|---|-------|
|  |  | 50  | 25 | / | 18.33 | / | 19.00 |
|  |  | 50  | 50 | / | 18.37 | / | 19.00 |
|  |  | 100 | 0  | / | 18.33 | / | 19.00 |

| LTE Band 25 full power |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 26047                | 26365   | 26683   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 22.86                | 22.95   | 22.89   | 24.00   |
|                        |            | 1       | 2         | 22.71                | 22.86   | 22.85   | 24.00   |
|                        |            | 1       | 5         | 22.73                | 22.91   | 22.79   | 24.00   |
|                        |            | 3       | 0         | 22.85                | 22.87   | 22.82   | 24.00   |
|                        |            | 3       | 2         | 22.59                | 22.84   | 22.73   | 24.00   |
|                        |            | 3       | 3         | 22.72                | 22.85   | 22.76   | 24.00   |
|                        | 16QAM      | 6       | 0         | 22.78                | 22.84   | 22.88   | 23.00   |
|                        |            | 1       | 0         | 21.83                | 21.91   | 21.80   | 23.00   |
|                        |            | 1       | 2         | 21.80                | 21.89   | 21.83   | 23.00   |
|                        |            | 1       | 5         | 21.83                | 21.93   | 21.91   | 23.00   |
|                        |            | 3       | 0         | 21.74                | 21.91   | 21.70   | 23.00   |
|                        |            | 3       | 2         | 21.75                | 21.85   | 21.75   | 23.00   |
|                        | 64QAM      | 3       | 3         | 21.81                | 21.85   | 21.81   | 23.00   |
|                        |            | 6       | 0         | 20.89                | 20.94   | 20.90   | 22.00   |
|                        |            | 1       | 0         | 20.84                | 20.92   | 20.87   | 22.00   |
|                        |            | 1       | 2         | 20.83                | 20.84   | 20.72   | 22.00   |
|                        |            | 1       | 5         | 20.89                | 20.99   | 20.79   | 22.00   |
|                        |            | 3       | 0         | 20.83                | 20.90   | 20.76   | 22.00   |
| 3MHz                   | QPSK       | 3       | 2         | 20.79                | 20.97   | 20.73   | 22.00   |
|                        |            | 3       | 3         | 20.80                | 20.93   | 20.77   | 22.00   |
|                        |            | 6       | 0         | 20.80                | 20.93   | 20.77   | 21.00   |
|                        | 16QAM      | 1       | 0         | 17.85                | 17.94   | 17.79   | 19.00   |
|                        |            | 1       | 2         | 17.78                | 17.87   | 17.81   | 19.00   |
|                        |            | 1       | 5         | 17.82                | 17.90   | 17.83   | 19.00   |
|                        | 64QAM      | 3       | 0         | 17.80                | 17.94   | 17.77   | 19.00   |
|                        |            | 3       | 2         | 17.80                | 17.94   | 17.81   | 19.00   |
|                        |            | 3       | 3         | 17.86                | 18.02   | 17.84   | 19.00   |
|                        |            | 6       | 0         | 17.77                | 17.90   | 17.74   | 19.00   |
| 5MHz                   | QPSK       | 1       | 0         | 22.90                | 22.93   | 22.79   | 24.00   |
|                        |            | 1       | 7         | 22.83                | 22.91   | 22.74   | 24.00   |
|                        |            | 1       | 14        | 22.77                | 22.99   | 22.78   | 24.00   |
|                        |            | 8       | 0         | 21.75                | 21.93   | 21.84   | 23.00   |
|                        |            | 8       | 4         | 21.78                | 22.00   | 21.79   | 23.00   |
|                        |            | 8       | 7         | 21.76                | 21.99   | 21.85   | 23.00   |
|                        | 16QAM      | 15      | 0         | 21.83                | 21.92   | 21.86   | 23.00   |
|                        |            | 1       | 0         | 21.85                | 21.92   | 21.88   | 23.00   |
|                        |            | 1       | 7         | 21.83                | 21.97   | 21.85   | 23.00   |
|                        |            | 1       | 14        | 21.90                | 22.01   | 21.88   | 23.00   |
|                        |            | 8       | 0         | 20.78                | 20.92   | 20.81   | 22.00   |
|                        |            | 8       | 4         | 20.76                | 20.95   | 20.72   | 22.00   |
| 5MHz                   | 64QAM      | 8       | 7         | 20.76                | 20.93   | 20.76   | 22.00   |
|                        |            | 15      | 0         | 20.87                | 20.95   | 20.78   | 22.00   |
|                        |            | 1       | 0         | 20.79                | 20.95   | 20.86   | 22.00   |
|                        |            | 1       | 7         | 20.72                | 20.90   | 20.80   | 22.00   |
|                        |            | 1       | 14        | 20.77                | 20.85   | 20.83   | 22.00   |
|                        |            | 8       | 0         | 19.81                | 19.89   | 19.83   | 21.00   |
| 5MHz                   | 256QAM     | 8       | 4         | 19.72                | 19.91   | 19.86   | 21.00   |
|                        |            | 8       | 7         | 19.81                | 19.94   | 19.83   | 21.00   |
|                        |            | 15      | 0         | 19.78                | 19.98   | 19.85   | 21.00   |
|                        |            | 1       | 0         | 17.82                | 17.90   | 17.87   | 19.00   |
|                        |            | 1       | 7         | 17.79                | 17.88   | 17.77   | 19.00   |
|                        |            | 1       | 14        | 17.83                | 17.86   | 17.75   | 19.00   |
| 5MHz                   | QPSK       | 8       | 0         | 17.87                | 17.95   | 17.82   | 19.00   |
|                        |            | 8       | 4         | 17.80                | 17.91   | 17.70   | 19.00   |
|                        |            | 8       | 7         | 17.91                | 17.92   | 17.79   | 19.00   |
|                        |            | 15      | 0         | 17.73                | 17.87   | 17.77   | 19.00   |
|                        |            | 1       | 0         | 22.81                | 22.92   | 22.84   | 24.00   |
|                        |            | 1       | 0         | 22.81                | 22.92   | 22.84   | 24.00   |

|       |        |    |    |       |       |       |       |
|-------|--------|----|----|-------|-------|-------|-------|
|       |        | 1  | 13 | 22.79 | 22.91 | 22.80 | 24.00 |
|       |        | 1  | 24 | 22.73 | 22.99 | 22.82 | 24.00 |
|       |        | 12 | 0  | 21.74 | 21.87 | 21.72 | 23.00 |
|       |        | 12 | 6  | 21.75 | 21.94 | 21.81 | 23.00 |
|       |        | 12 | 13 | 21.86 | 21.91 | 21.74 | 23.00 |
|       |        | 25 | 0  | 21.76 | 21.99 | 21.84 | 23.00 |
|       | 16QAM  | 1  | 0  | 21.79 | 21.93 | 21.91 | 23.00 |
|       |        | 1  | 13 | 21.87 | 21.95 | 21.84 | 23.00 |
|       |        | 1  | 24 | 21.95 | 21.90 | 21.90 | 23.00 |
|       |        | 12 | 0  | 20.77 | 20.95 | 20.73 | 22.00 |
|       |        | 12 | 6  | 20.82 | 20.91 | 20.82 | 22.00 |
|       |        | 12 | 13 | 20.71 | 20.85 | 20.74 | 22.00 |
|       | 64QAM  | 25 | 0  | 20.88 | 20.92 | 20.83 | 22.00 |
|       |        | 1  | 0  | 20.76 | 20.86 | 20.87 | 22.00 |
|       |        | 1  | 13 | 20.83 | 20.87 | 20.74 | 22.00 |
|       |        | 1  | 24 | 20.76 | 20.92 | 20.82 | 22.00 |
|       |        | 12 | 0  | 19.79 | 19.96 | 19.92 | 21.00 |
|       |        | 12 | 6  | 19.74 | 19.89 | 19.83 | 21.00 |
|       | 256QAM | 12 | 13 | 19.87 | 20.03 | 19.83 | 21.00 |
|       |        | 25 | 0  | 19.84 | 19.96 | 19.77 | 21.00 |
|       |        | 1  | 0  | 17.78 | 17.99 | 17.72 | 19.00 |
|       |        | 1  | 13 | 17.74 | 17.95 | 17.79 | 19.00 |
|       |        | 1  | 24 | 17.85 | 17.91 | 17.73 | 19.00 |
|       |        | 12 | 0  | 17.89 | 17.93 | 17.77 | 19.00 |
| 10MHz | QPSK   | 12 | 6  | 17.73 | 17.88 | 17.82 | 19.00 |
|       |        | 12 | 13 | 17.88 | 17.92 | 17.85 | 19.00 |
|       |        | 25 | 0  | 17.80 | 17.91 | 17.73 | 19.00 |
|       | 16QAM  | 1  | 0  | 22.82 | 22.99 | 22.80 | 24.00 |
|       |        | 1  | 25 | 22.74 | 22.86 | 22.85 | 24.00 |
|       |        | 1  | 49 | 22.76 | 22.86 | 22.79 | 24.00 |
|       | 64QAM  | 25 | 0  | 21.75 | 21.93 | 21.79 | 23.00 |
|       |        | 25 | 13 | 21.79 | 21.96 | 21.77 | 23.00 |
|       |        | 25 | 25 | 21.74 | 21.93 | 21.80 | 23.00 |
|       | 256QAM | 50 | 0  | 21.80 | 21.99 | 21.87 | 23.00 |
|       |        | 1  | 0  | 21.88 | 22.00 | 21.81 | 23.00 |
|       |        | 1  | 25 | 21.81 | 21.98 | 21.87 | 23.00 |
|       |        | 1  | 49 | 21.91 | 21.91 | 21.85 | 23.00 |
|       |        | 25 | 0  | 20.76 | 20.89 | 20.73 | 22.00 |
|       |        | 25 | 13 | 20.83 | 20.97 | 20.81 | 22.00 |
| 15MHz | QPSK   | 25 | 25 | 20.73 | 20.96 | 20.83 | 22.00 |
|       |        | 50 | 0  | 20.84 | 21.02 | 20.85 | 22.00 |
|       | 16QAM  | 1  | 0  | 20.75 | 20.93 | 20.80 | 22.00 |
|       |        | 1  | 25 | 20.70 | 20.90 | 20.79 | 22.00 |
|       |        | 1  | 49 | 20.77 | 20.88 | 20.79 | 22.00 |
|       | 64QAM  | 25 | 0  | 19.91 | 19.95 | 19.82 | 21.00 |
|       |        | 25 | 13 | 19.81 | 19.95 | 19.89 | 21.00 |
|       |        | 25 | 25 | 19.84 | 19.96 | 19.79 | 21.00 |
|       | 256QAM | 50 | 0  | 19.73 | 19.93 | 19.87 | 21.00 |
|       |        | 1  | 0  | 17.91 | 17.98 | 17.78 | 19.00 |
|       |        | 1  | 25 | 17.84 | 17.90 | 17.74 | 19.00 |
|       |        | 1  | 49 | 17.73 | 17.94 | 17.80 | 19.00 |
|       |        | 25 | 0  | 17.75 | 17.92 | 17.79 | 19.00 |
|       |        | 25 | 13 | 17.74 | 17.98 | 17.69 | 19.00 |
|       | 16QAM  | 25 | 25 | 17.79 | 17.97 | 17.84 | 19.00 |
|       |        | 50 | 0  | 17.74 | 17.90 | 17.76 | 19.00 |
|       |        | 1  | 0  | 22.82 | 23.02 | 22.92 | 24.00 |
|       |        | 1  | 38 | 22.78 | 22.86 | 22.79 | 24.00 |
|       |        | 1  | 74 | 22.84 | 22.88 | 22.80 | 24.00 |
|       |        | 36 | 0  | 21.78 | 21.94 | 21.70 | 23.00 |
|       | QPSK   | 36 | 18 | 21.81 | 21.96 | 21.78 | 23.00 |
|       |        | 36 | 39 | 21.80 | 21.93 | 21.84 | 23.00 |
|       |        | 75 | 0  | 21.79 | 21.90 | 21.86 | 23.00 |
|       | 16QAM  | 1  | 0  | 21.84 | 21.91 | 21.84 | 23.00 |
|       |        | 1  | 38 | 21.76 | 22.02 | 21.74 | 23.00 |
|       |        | 1  | 74 | 21.93 | 21.96 | 21.93 | 23.00 |
|       |        | 36 | 0  | 20.83 | 20.88 | 20.76 | 22.00 |

|                  |                   |                |                  |                |                |                |                |
|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|----------------|
|                  |                   | 36             | 18               | 20.82          | 20.90          | 20.68          | 22.00          |
|                  |                   | 36             | 39               | 20.78          | 20.97          | 20.83          | 22.00          |
|                  |                   | 75             | 0                | 20.82          | 20.93          | 20.86          | 22.00          |
|                  |                   | 1              | 0                | 20.73          | 20.94          | 20.76          | 22.00          |
|                  | 64QAM             | 1              | 38               | 20.73          | 20.87          | 20.77          | 22.00          |
|                  |                   | 1              | 74               | 20.83          | 20.97          | 20.76          | 22.00          |
|                  |                   | 36             | 0                | 19.82          | 20.00          | 19.80          | 21.00          |
|                  |                   | 36             | 18               | 19.74          | 19.93          | 19.81          | 21.00          |
|                  |                   | 36             | 39               | 19.87          | 20.03          | 19.83          | 21.00          |
|                  |                   | 75             | 0                | 19.78          | 19.89          | 19.74          | 21.00          |
|                  | 256QAM            | 1              | 0                | 17.89          | 17.90          | 17.77          | 19.00          |
|                  |                   | 1              | 38               | 17.77          | 17.98          | 17.74          | 19.00          |
|                  |                   | 1              | 74               | 17.74          | 17.95          | 17.74          | 19.00          |
|                  |                   | 36             | 0                | 17.87          | 17.98          | 17.77          | 19.00          |
|                  |                   | 36             | 18               | 17.82          | 17.93          | 17.73          | 19.00          |
|                  |                   | 36             | 39               | 17.92          | 17.99          | 17.90          | 19.00          |
|                  |                   | 75             | 0                | 17.69          | 17.91          | 17.78          | 19.00          |
|                  |                   |                |                  |                |                |                |                |
| <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                   |                |                  | 26140          | 26365          | 26590          |                |
| <b>20MHz</b>     | QPSK              | 1              | 0                | 22.90          | 23.05          | 22.93          | 24.00          |
|                  |                   | 1              | 50               | 22.86          | 22.98          | 22.85          | 24.00          |
|                  |                   | 1              | 99               | 22.86          | 23.00          | 22.91          | 24.00          |
|                  |                   | 50             | 0                | 21.85          | 22.05          | 21.85          | 23.00          |
|                  |                   | 50             | 25               | 21.88          | 22.00          | 21.87          | 23.00          |
|                  |                   | 50             | 50               | 21.87          | 22.01          | 21.89          | 23.00          |
|                  |                   | 100            | 0                | 21.91          | 22.03          | 21.89          | 23.00          |
|                  |                   |                |                  |                |                |                |                |
|                  | 16QAM             | 1              | 0                | 21.89          | 22.05          | 21.92          | 23.00          |
|                  |                   | 1              | 50               | 21.89          | 22.02          | 21.88          | 23.00          |
|                  |                   | 1              | 99               | 21.95          | 22.04          | 21.93          | 23.00          |
|                  |                   | 50             | 0                | 20.90          | 21.02          | 20.87          | 22.00          |
|                  |                   | 50             | 25               | 20.86          | 21.03          | 20.82          | 22.00          |
|                  |                   | 50             | 50               | 20.82          | 20.98          | 20.86          | 22.00          |
|                  |                   | 100            | 0                | 20.92          | 21.03          | 20.90          | 22.00          |
|                  |                   |                |                  |                |                |                |                |
|                  | 64QAM             | 1              | 0                | 20.85          | 21.00          | 20.87          | 22.00          |
|                  |                   | 1              | 50               | 20.83          | 20.98          | 20.87          | 22.00          |
|                  |                   | 1              | 99               | 20.89          | 21.00          | 20.89          | 22.00          |
|                  |                   | 50             | 0                | 19.92          | 20.01          | 19.93          | 21.00          |
|                  |                   | 50             | 25               | 19.85          | 20.03          | 19.89          | 21.00          |
|                  |                   | 50             | 50               | 19.93          | 20.05          | 19.89          | 21.00          |
|                  |                   | 100            | 0                | 19.88          | 19.99          | 19.87          | 21.00          |
|                  |                   |                |                  |                |                |                |                |
|                  | 256QAM            | 1              | 0                | 17.92          | 17.99          | 17.87          | 19.00          |
|                  |                   | 1              | 50               | 17.86          | 17.99          | 17.88          | 19.00          |
|                  |                   | 1              | 99               | 17.87          | 18.00          | 17.85          | 19.00          |
|                  |                   | 50             | 0                | 17.89          | 18.01          | 17.88          | 19.00          |
|                  |                   | 50             | 25               | 17.88          | 18.01          | 17.84          | 19.00          |
|                  |                   | 50             | 50               | 17.93          | 18.03          | 17.91          | 19.00          |
|                  |                   | 100            | 0                | 17.82          | 18.01          | 17.88          | 19.00          |
|                  |                   |                |                  |                |                |                |                |

| LTE Band 25 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 26047                | 26365   | 26683   |         |
| <b>1.4MHz</b>           | QPSK       | 1       | 0         | 15.89                | 15.96   | 15.73   | 17.00   |
|                         |            | 1       | 2         | 15.81                | 15.87   | 15.71   | 17.00   |
|                         |            | 1       | 5         | 15.81                | 15.83   | 15.68   | 17.00   |
|                         |            | 3       | 0         | 15.81                | 15.90   | 15.71   | 17.00   |
|                         |            | 3       | 2         | 15.83                | 15.86   | 15.75   | 17.00   |
|                         |            | 3       | 3         | 15.76                | 15.86   | 15.87   | 17.00   |
|                         |            | 6       | 0         | 15.74                | 15.82   | 15.67   | 17.00   |
|                         |            |         |           |                      |         |         |         |
|                         | 16QAM      | 1       | 0         | 15.70                | 15.84   | 15.60   | 17.00   |
|                         |            | 1       | 2         | 15.78                | 15.80   | 15.73   | 17.00   |
|                         |            | 1       | 5         | 15.66                | 15.93   | 15.64   | 17.00   |
|                         |            | 3       | 0         | 15.71                | 15.87   | 15.83   | 17.00   |
|                         |            | 3       | 2         | 15.75                | 15.87   | 15.64   | 17.00   |
|                         |            | 3       | 3         | 15.76                | 15.84   | 15.79   | 17.00   |
|                         |            | 6       | 0         | 15.86                | 15.91   | 15.81   | 17.00   |
|                         |            |         |           |                      |         |         |         |
|                         | 64QAM      | 1       | 0         | 15.64                | 16.01   | 15.78   | 17.00   |
|                         |            | 1       | 2         | 15.74                | 15.84   | 15.67   | 17.00   |
|                         |            | 1       | 5         | 15.87                | 15.86   | 15.77   | 17.00   |

|           |            | 3       | 0         | 15.74   | 15.93   | 15.85   | 17.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 2         | 15.74   | 15.95   | 15.55   | 17.00   |
|           |            | 3       | 3         | 15.81   | 15.90   | 15.82   | 17.00   |
|           |            | 6       | 0         | 15.88   | 15.92   | 15.73   | 17.00   |
|           | 256QAM     | 1       | 0         | 15.73   | 15.84   | 15.82   | 17.00   |
|           |            | 1       | 2         | 15.66   | 15.89   | 15.84   | 17.00   |
|           |            | 1       | 5         | 15.84   | 15.89   | 15.78   | 17.00   |
|           |            | 3       | 0         | 15.82   | 15.89   | 15.66   | 17.00   |
|           |            | 3       | 2         | 15.71   | 15.96   | 15.81   | 17.00   |
|           |            | 3       | 3         | 15.73   | 15.81   | 15.67   | 17.00   |
|           |            | 6       | 0         | 15.86   | 15.87   | 15.79   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26055   | 26365   | 26675   |         |
| 3MHz      | QPSK       | 1       | 0         | 15.87   | 16.07   | 15.71   | 17.00   |
|           |            | 1       | 7         | 15.85   | 15.91   | 15.73   | 17.00   |
|           |            | 1       | 14        | 15.82   | 15.92   | 15.70   | 17.00   |
|           |            | 8       | 0         | 15.86   | 15.97   | 15.74   | 17.00   |
|           |            | 8       | 4         | 15.93   | 15.79   | 15.65   | 17.00   |
|           |            | 8       | 7         | 15.74   | 15.90   | 15.87   | 17.00   |
|           | 16QAM      | 15      | 0         | 15.80   | 15.85   | 15.75   | 17.00   |
|           |            | 1       | 0         | 15.73   | 15.85   | 15.64   | 17.00   |
|           |            | 1       | 7         | 15.73   | 15.84   | 15.74   | 17.00   |
|           |            | 1       | 14        | 15.76   | 15.98   | 15.72   | 17.00   |
|           |            | 8       | 0         | 15.73   | 15.86   | 15.81   | 17.00   |
|           |            | 8       | 4         | 15.80   | 15.91   | 15.69   | 17.00   |
|           | 64QAM      | 8       | 7         | 15.74   | 15.78   | 15.81   | 17.00   |
|           |            | 15      | 0         | 15.87   | 15.99   | 15.73   | 17.00   |
|           |            | 1       | 0         | 15.75   | 15.98   | 15.72   | 17.00   |
|           |            | 1       | 7         | 15.69   | 15.79   | 15.74   | 17.00   |
|           |            | 1       | 14        | 15.77   | 15.84   | 15.71   | 17.00   |
|           |            | 8       | 0         | 15.73   | 16.00   | 15.90   | 17.00   |
|           | 256QAM     | 8       | 4         | 15.64   | 15.93   | 15.68   | 17.00   |
|           |            | 8       | 7         | 15.71   | 15.88   | 15.87   | 17.00   |
|           |            | 15      | 0         | 15.78   | 16.01   | 15.61   | 17.00   |
|           |            | 1       | 0         | 15.62   | 15.89   | 15.78   | 17.00   |
|           |            | 1       | 7         | 15.73   | 15.85   | 15.76   | 17.00   |
|           |            | 1       | 14        | 15.74   | 15.89   | 15.87   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26065   | 26365   | 26665   |         |
| 5MHz      | QPSK       | 1       | 0         | 15.86   | 16.03   | 15.73   | 17.00   |
|           |            | 1       | 13        | 15.80   | 15.92   | 15.75   | 17.00   |
|           |            | 1       | 24        | 15.77   | 15.97   | 15.65   | 17.00   |
|           |            | 12      | 0         | 15.78   | 16.02   | 15.70   | 17.00   |
|           |            | 12      | 6         | 15.93   | 15.89   | 15.62   | 17.00   |
|           |            | 12      | 13        | 15.64   | 15.88   | 15.76   | 17.00   |
|           | 16QAM      | 25      | 0         | 15.71   | 15.84   | 15.75   | 17.00   |
|           |            | 1       | 0         | 15.76   | 15.87   | 15.69   | 17.00   |
|           |            | 1       | 13        | 15.76   | 15.76   | 15.77   | 17.00   |
|           |            | 1       | 24        | 15.77   | 15.99   | 15.68   | 17.00   |
|           |            | 12      | 0         | 15.73   | 15.89   | 15.72   | 17.00   |
|           |            | 12      | 6         | 15.73   | 15.89   | 15.76   | 17.00   |
|           | 64QAM      | 12      | 13        | 15.73   | 15.91   | 15.83   | 17.00   |
|           |            | 25      | 0         | 15.85   | 16.00   | 15.77   | 17.00   |
|           |            | 1       | 0         | 15.74   | 15.97   | 15.69   | 17.00   |
|           |            | 1       | 13        | 15.79   | 15.88   | 15.75   | 17.00   |
|           |            | 1       | 24        | 15.80   | 15.79   | 15.73   | 17.00   |
|           |            | 12      | 0         | 15.66   | 16.01   | 15.84   | 17.00   |
|           | 256QAM     | 12      | 6         | 15.66   | 15.94   | 15.60   | 17.00   |
|           |            | 12      | 13        | 15.72   | 15.85   | 15.87   | 17.00   |
|           |            | 25      | 0         | 15.81   | 15.93   | 15.64   | 17.00   |
|           |            | 1       | 0         | 15.68   | 15.89   | 15.70   | 17.00   |
|           |            | 1       | 13        | 15.73   | 15.89   | 15.85   | 17.00   |
|           |            | 1       | 24        | 15.84   | 15.98   | 15.80   | 17.00   |
|           |            | 12      | 0         | 15.75   | 15.86   | 15.58   | 17.00   |
|           |            | 12      | 6         | 15.61   | 16.03   | 15.79   | 17.00   |
|           |            | 12      | 13        | 15.71   | 15.78   | 15.66   | 17.00   |

|           |            | 25      | 0         | 15.74   | 15.80   | 15.82   | 17.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 15.91   | 15.99   | 15.77   | 17.00   |
|           |            | 1       | 25        | 15.80   | 15.90   | 15.79   | 17.00   |
|           |            | 1       | 49        | 15.70   | 15.90   | 15.63   | 17.00   |
|           |            | 25      | 0         | 15.82   | 15.94   | 15.70   | 17.00   |
|           |            | 25      | 13        | 15.95   | 15.80   | 15.65   | 17.00   |
|           |            | 25      | 25        | 15.73   | 15.89   | 15.74   | 17.00   |
|           |            | 50      | 0         | 15.73   | 15.81   | 15.67   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.74   | 15.82   | 15.74   | 17.00   |
|           |            | 1       | 25        | 15.77   | 15.74   | 15.75   | 17.00   |
|           |            | 1       | 49        | 15.69   | 16.00   | 15.67   | 17.00   |
|           |            | 25      | 0         | 15.75   | 15.86   | 15.74   | 17.00   |
|           |            | 25      | 13        | 15.81   | 15.93   | 15.66   | 17.00   |
|           |            | 25      | 25        | 15.75   | 15.85   | 15.86   | 17.00   |
|           |            | 50      | 0         | 15.85   | 15.99   | 15.75   | 17.00   |
|           | 64QAM      | 1       | 0         | 15.69   | 15.96   | 15.80   | 17.00   |
|           |            | 1       | 25        | 15.77   | 15.83   | 15.74   | 17.00   |
|           |            | 1       | 49        | 15.86   | 15.80   | 15.76   | 17.00   |
|           |            | 25      | 0         | 15.75   | 16.03   | 15.90   | 17.00   |
|           |            | 25      | 13        | 15.79   | 15.96   | 15.56   | 17.00   |
|           |            | 25      | 25        | 15.71   | 15.93   | 15.83   | 17.00   |
|           |            | 50      | 0         | 15.76   | 15.92   | 15.67   | 17.00   |
|           | 256QAM     | 1       | 0         | 15.69   | 15.83   | 15.78   | 17.00   |
|           |            | 1       | 25        | 15.76   | 15.86   | 15.78   | 17.00   |
|           |            | 1       | 49        | 15.77   | 15.94   | 15.86   | 17.00   |
|           |            | 25      | 0         | 15.75   | 15.90   | 15.53   | 17.00   |
|           |            | 25      | 13        | 15.72   | 15.90   | 15.74   | 17.00   |
|           |            | 25      | 25        | 15.84   | 15.78   | 15.61   | 17.00   |
|           |            | 50      | 0         | 15.73   | 15.84   | 15.83   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.82   | 15.95   | 15.83   | 17.00   |
|           |            | 1       | 38        | 15.91   | 15.91   | 15.82   | 17.00   |
|           |            | 1       | 74        | 15.71   | 15.97   | 15.66   | 17.00   |
|           |            | 36      | 0         | 15.85   | 15.90   | 15.66   | 17.00   |
|           |            | 36      | 18        | 15.89   | 15.93   | 15.75   | 17.00   |
|           |            | 36      | 39        | 15.67   | 15.87   | 15.84   | 17.00   |
|           |            | 75      | 0         | 15.75   | 15.83   | 15.80   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.80   | 15.90   | 15.66   | 17.00   |
|           |            | 1       | 38        | 15.76   | 15.81   | 15.71   | 17.00   |
|           |            | 1       | 74        | 15.70   | 15.93   | 15.69   | 17.00   |
|           |            | 36      | 0         | 15.70   | 15.80   | 15.76   | 17.00   |
|           |            | 36      | 18        | 15.79   | 15.90   | 15.65   | 17.00   |
|           |            | 36      | 39        | 15.69   | 15.88   | 15.86   | 17.00   |
|           |            | 75      | 0         | 15.78   | 15.91   | 15.68   | 17.00   |
|           | 64QAM      | 1       | 0         | 15.77   | 16.05   | 15.69   | 17.00   |
|           |            | 1       | 38        | 15.68   | 15.88   | 15.73   | 17.00   |
|           |            | 1       | 74        | 15.90   | 15.83   | 15.67   | 17.00   |
|           |            | 36      | 0         | 15.77   | 16.03   | 15.89   | 17.00   |
|           |            | 36      | 18        | 15.71   | 15.94   | 15.64   | 17.00   |
|           |            | 36      | 39        | 15.76   | 15.91   | 15.91   | 17.00   |
|           |            | 75      | 0         | 15.87   | 16.01   | 15.72   | 17.00   |
|           | 256QAM     | 1       | 0         | 15.73   | 15.92   | 15.81   | 17.00   |
|           |            | 1       | 38        | 15.76   | 15.86   | 15.81   | 17.00   |
|           |            | 1       | 74        | 15.82   | 15.88   | 15.77   | 17.00   |
|           |            | 36      | 0         | 15.86   | 15.91   | 15.67   | 17.00   |
|           |            | 36      | 18        | 15.73   | 16.03   | 15.81   | 17.00   |
|           |            | 36      | 39        | 15.80   | 15.86   | 15.66   | 17.00   |
|           |            | 75      | 0         | 15.78   | 15.84   | 15.86   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26140   | 26365   | 26590   |         |
| 20MHz     | QPSK       | 1       | 0         | 15.92   | 16.07   | 15.86   | 17.00   |
|           |            | 1       | 50        | 15.94   | 15.96   | 15.83   | 17.00   |
|           |            | 1       | 99        | 15.84   | 15.98   | 15.77   | 17.00   |
|           |            | 50      | 0         | 15.87   | 16.03   | 15.74   | 17.00   |
|           |            | 50      | 25        | 15.97   | 15.93   | 15.76   | 17.00   |
|           |            | 50      | 50        | 15.77   | 15.95   | 15.88   | 17.00   |
|           |            | 100     | 0         | 15.85   | 15.90   | 15.81   | 17.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  | 16QAM  | 1   | 0  | 15.82 | 15.93 | 15.74 | 17.00 |
|  |        | 1   | 50 | 15.80 | 15.87 | 15.82 | 17.00 |
|  |        | 1   | 99 | 15.80 | 16.01 | 15.78 | 17.00 |
|  |        | 50  | 0  | 15.82 | 15.95 | 15.87 | 17.00 |
|  |        | 50  | 25 | 15.83 | 15.98 | 15.77 | 17.00 |
|  |        | 50  | 50 | 15.82 | 15.92 | 15.93 | 17.00 |
|  |        | 100 | 0  | 15.93 | 16.02 | 15.82 | 17.00 |
|  | 64QAM  | 1   | 0  | 15.77 | 16.05 | 15.83 | 17.00 |
|  |        | 1   | 50 | 15.82 | 15.94 | 15.75 | 17.00 |
|  |        | 1   | 99 | 15.90 | 15.88 | 15.79 | 17.00 |
|  |        | 50  | 0  | 15.81 | 16.05 | 15.95 | 17.00 |
|  |        | 50  | 25 | 15.79 | 16.03 | 15.69 | 17.00 |
|  |        | 50  | 50 | 15.82 | 15.97 | 15.92 | 17.00 |
|  |        | 100 | 0  | 15.90 | 16.02 | 15.73 | 17.00 |
|  | 256QAM | 1   | 0  | 15.75 | 15.98 | 15.82 | 17.00 |
|  |        | 1   | 50 | 15.79 | 15.99 | 15.90 | 17.00 |
|  |        | 1   | 99 | 15.88 | 16.01 | 15.88 | 17.00 |
|  |        | 50  | 0  | 15.87 | 15.95 | 15.68 | 17.00 |
|  |        | 50  | 25 | 15.76 | 16.05 | 15.88 | 17.00 |
|  |        | 50  | 50 | 15.85 | 15.89 | 15.70 | 17.00 |
|  |        | 100 | 0  | 15.88 | 15.88 | 15.87 | 17.00 |

| LTE Band 25 Sensor on |            |         |           | Conducted Power(dBm) |         |         |         |       |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|-------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |       |
|                       |            |         |           | 26047                | 26365   | 26683   |         |       |
| 1.4MHz                | QPSK       | 1       | 0         | 20.74                | 21.00   | 20.71   | 22.00   |       |
|                       |            | 1       | 2         | 20.57                | 20.67   | 20.67   | 22.00   |       |
|                       |            | 1       | 5         | 20.67                | 20.92   | 20.83   | 22.00   |       |
|                       |            | 3       | 0         | 20.63                | 20.80   | 20.67   | 22.00   |       |
|                       |            | 3       | 2         | 20.51                | 20.96   | 20.78   | 22.00   |       |
|                       |            | 3       | 3         | 20.66                | 20.77   | 20.52   | 22.00   |       |
|                       |            | 6       | 0         | 20.63                | 20.85   | 20.85   | 22.00   |       |
|                       |            | 16QAM   | 1         | 0                    | 20.63   | 21.06   | 20.66   | 22.00 |
|                       |            |         | 1         | 2                    | 20.81   | 20.74   | 20.78   | 22.00 |
|                       |            |         | 1         | 5                    | 20.73   | 20.82   | 20.86   | 22.00 |
|                       |            |         | 3         | 0                    | 20.74   | 20.88   | 20.79   | 22.00 |
|                       |            |         | 3         | 2                    | 20.50   | 20.87   | 20.61   | 22.00 |
|                       | 3          |         | 3         | 20.62                | 20.82   | 20.61   | 22.00   |       |
|                       |            | 6       | 0         | 20.70                | 21.02   | 20.87   | 22.00   |       |
|                       |            | 64QAM   | 1         | 0                    | 20.73   | 20.80   | 20.71   | 22.00 |
|                       |            |         | 1         | 2                    | 20.75   | 20.66   | 20.70   | 22.00 |
|                       |            |         | 1         | 5                    | 20.76   | 20.87   | 20.84   | 22.00 |
|                       |            |         | 3         | 0                    | 20.60   | 20.69   | 20.57   | 22.00 |
|                       |            |         | 3         | 2                    | 20.67   | 20.52   | 20.63   | 22.00 |
|                       | 3          |         | 3         | 20.72                | 20.83   | 20.74   | 22.00   |       |
|                       |            | 6       | 0         | 20.73                | 20.70   | 20.64   | 21.00   |       |
|                       |            | 256QAM  | 1         | 0                    | 17.71   | 17.78   | 17.72   | 19.00 |
|                       |            |         | 1         | 2                    | 17.73   | 17.78   | 17.61   | 19.00 |
|                       |            |         | 1         | 5                    | 17.68   | 17.87   | 17.74   | 19.00 |
| 3                     |            |         | 0         | 17.71                | 17.67   | 17.64   | 19.00   |       |
| 3                     |            |         | 2         | 17.77                | 17.85   | 17.77   | 19.00   |       |
| 3                     | 3          |         | 17.73     | 17.92                | 17.69   | 19.00   |         |       |
| 6                     | 0          | 17.64   | 17.84     | 17.62                | 19.00   |         |         |       |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |       |
|                       |            |         |           | 26055                | 26365   | 26675   |         |       |
| 3MHz                  | QPSK       | 1       | 0         | 20.78                | 21.10   | 20.74   | 22.00   |       |
|                       |            | 1       | 7         | 20.58                | 20.71   | 20.58   | 22.00   |       |
|                       |            | 1       | 14        | 20.66                | 20.90   | 20.85   | 22.00   |       |
|                       |            | 8       | 0         | 20.65                | 20.87   | 20.69   | 22.00   |       |
|                       |            | 8       | 4         | 20.52                | 21.01   | 20.77   | 22.00   |       |
|                       |            | 8       | 7         | 20.58                | 20.80   | 20.53   | 22.00   |       |
|                       | 16QAM      | 15      | 0         | 20.71                | 20.83   | 20.71   | 22.00   |       |
|                       |            | 1       | 0         | 20.61                | 20.94   | 20.69   | 22.00   |       |
|                       |            | 1       | 7         | 20.80                | 20.71   | 20.80   | 22.00   |       |
|                       |            | 1       | 14        | 20.78                | 20.91   | 20.96   | 22.00   |       |
|                       |            | 8       | 0         | 20.75                | 20.81   | 20.73   | 22.00   |       |
|                       |            | 8       | 4         | 20.48                | 20.84   | 20.66   | 22.00   |       |
| 8                     | 7          | 20.65   | 20.89     | 20.72                | 22.00   |         |         |       |

|           | 64QAM      | 15      | 0         | 20.82   | 21.01   | 20.78   | 22.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 20.72   | 20.78   | 20.66   | 22.00   |
|           |            | 1       | 7         | 20.72   | 20.73   | 20.64   | 22.00   |
|           |            | 1       | 14        | 20.83   | 20.89   | 20.84   | 22.00   |
|           |            | 8       | 0         | 19.74   | 19.85   | 19.64   | 21.00   |
|           |            | 8       | 4         | 19.67   | 19.88   | 19.72   | 21.00   |
|           |            | 8       | 7         | 19.83   | 19.71   | 19.84   | 21.00   |
|           | 256QAM     | 15      | 0         | 19.75   | 19.89   | 19.68   | 21.00   |
|           |            | 1       | 0         | 17.69   | 17.82   | 17.80   | 19.00   |
|           |            | 1       | 7         | 17.79   | 17.80   | 17.66   | 19.00   |
|           |            | 1       | 14        | 17.71   | 17.82   | 17.77   | 19.00   |
|           |            | 8       | 0         | 17.61   | 17.77   | 17.62   | 19.00   |
|           |            | 8       | 4         | 17.71   | 17.84   | 17.80   | 19.00   |
|           |            | 8       | 7         | 17.66   | 17.89   | 17.68   | 19.00   |
|           |            | 15      | 0         | 17.74   | 17.77   | 17.69   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26065   | 26365   | 26665   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.66   | 21.11   | 20.68   | 22.00   |
|           |            | 1       | 13        | 20.62   | 20.76   | 20.62   | 22.00   |
|           |            | 1       | 24        | 20.78   | 20.89   | 20.86   | 22.00   |
|           |            | 12      | 0         | 20.64   | 20.82   | 20.73   | 22.00   |
|           |            | 12      | 6         | 20.50   | 20.89   | 20.72   | 22.00   |
|           |            | 12      | 13        | 20.67   | 20.88   | 20.52   | 22.00   |
|           |            | 25      | 0         | 20.71   | 20.81   | 20.81   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.66   | 21.00   | 20.70   | 22.00   |
|           |            | 1       | 13        | 20.83   | 20.71   | 20.80   | 22.00   |
|           |            | 1       | 24        | 20.76   | 20.85   | 20.84   | 22.00   |
|           |            | 12      | 0         | 20.82   | 20.78   | 20.80   | 22.00   |
|           |            | 12      | 6         | 20.50   | 20.88   | 20.64   | 22.00   |
|           |            | 12      | 13        | 20.62   | 20.89   | 20.62   | 22.00   |
|           |            | 25      | 0         | 20.82   | 21.03   | 20.76   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.66   | 20.78   | 20.71   | 22.00   |
|           |            | 1       | 13        | 20.80   | 20.76   | 20.63   | 22.00   |
|           |            | 1       | 24        | 20.70   | 20.83   | 20.91   | 22.00   |
|           |            | 12      | 0         | 19.87   | 19.87   | 19.59   | 21.00   |
|           |            | 12      | 6         | 19.78   | 19.83   | 19.69   | 21.00   |
|           |            | 12      | 13        | 19.71   | 19.82   | 19.82   | 21.00   |
|           |            | 25      | 0         | 19.78   | 19.84   | 19.76   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.78   | 17.81   | 17.69   | 19.00   |
|           |            | 1       | 13        | 17.85   | 17.84   | 17.60   | 19.00   |
|           |            | 1       | 24        | 17.68   | 17.85   | 17.81   | 19.00   |
|           |            | 12      | 0         | 17.63   | 17.69   | 17.65   | 19.00   |
|           |            | 12      | 6         | 17.71   | 17.83   | 17.76   | 19.00   |
|           |            | 12      | 13        | 17.64   | 17.95   | 17.78   | 19.00   |
|           |            | 25      | 0         | 17.72   | 17.76   | 17.63   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.68   | 21.06   | 20.74   | 22.00   |
|           |            | 1       | 25        | 20.54   | 20.72   | 20.68   | 22.00   |
|           |            | 1       | 49        | 20.69   | 20.81   | 20.79   | 22.00   |
|           |            | 25      | 0         | 20.64   | 20.73   | 20.66   | 22.00   |
|           |            | 25      | 13        | 20.47   | 21.01   | 20.68   | 22.00   |
|           |            | 25      | 25        | 20.58   | 20.84   | 20.56   | 22.00   |
|           |            | 50      | 0         | 20.74   | 20.91   | 20.82   | 22.00   |
|           | 16QAM      | 1       | 0         | 20.68   | 21.02   | 20.72   | 22.00   |
|           |            | 1       | 25        | 20.71   | 20.81   | 20.78   | 22.00   |
|           |            | 1       | 49        | 20.73   | 20.84   | 20.88   | 22.00   |
|           |            | 25      | 0         | 20.81   | 20.83   | 20.78   | 22.00   |
|           |            | 25      | 13        | 20.61   | 20.79   | 20.65   | 22.00   |
|           |            | 25      | 25        | 20.59   | 20.85   | 20.66   | 22.00   |
|           |            | 50      | 0         | 20.69   | 21.04   | 20.86   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.72   | 20.90   | 20.79   | 22.00   |
|           |            | 1       | 25        | 20.83   | 20.66   | 20.64   | 22.00   |
|           |            | 1       | 49        | 20.83   | 20.91   | 20.78   | 22.00   |
|           |            | 25      | 0         | 19.81   | 19.94   | 19.57   | 21.00   |
|           |            | 25      | 13        | 19.70   | 19.84   | 19.66   | 21.00   |
|           |            | 25      | 25        | 19.82   | 19.83   | 19.77   | 21.00   |
|           |            | 50      | 0         | 19.74   | 19.82   | 19.71   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.76   | 17.70   | 17.73   | 19.00   |
|           |            | 1       | 25        | 17.79   | 17.85   | 17.54   | 19.00   |

|           |            | 1       | 49        | 17.80   | 17.83   | 17.73   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 17.65   | 17.67   | 17.64   | 19.00   |
|           |            | 25      | 13        | 17.78   | 17.81   | 17.80   | 19.00   |
|           |            | 25      | 25        | 17.64   | 18.00   | 17.74   | 19.00   |
|           |            | 50      | 0         | 17.75   | 17.71   | 17.67   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.73   | 20.98   | 20.71   | 22.00   |
|           |            | 1       | 38        | 20.57   | 20.81   | 20.66   | 22.00   |
|           |            | 1       | 74        | 20.79   | 20.77   | 20.83   | 22.00   |
|           |            | 36      | 0         | 20.57   | 20.72   | 20.71   | 22.00   |
|           |            | 36      | 18        | 20.50   | 20.89   | 20.71   | 22.00   |
|           |            | 36      | 39        | 20.56   | 20.90   | 20.64   | 22.00   |
|           | 16QAM      | 75      | 0         | 20.70   | 20.88   | 20.73   | 22.00   |
|           |            | 1       | 0         | 20.65   | 20.94   | 20.69   | 22.00   |
|           |            | 1       | 38        | 20.74   | 20.75   | 20.76   | 22.00   |
|           |            | 1       | 74        | 20.73   | 20.86   | 20.89   | 22.00   |
|           |            | 36      | 0         | 20.87   | 20.78   | 20.83   | 22.00   |
|           |            | 36      | 18        | 20.51   | 20.90   | 20.73   | 22.00   |
|           | 64QAM      | 36      | 39        | 20.58   | 20.84   | 20.59   | 22.00   |
|           |            | 75      | 0         | 20.69   | 21.05   | 20.81   | 22.00   |
|           |            | 1       | 0         | 20.69   | 20.92   | 20.68   | 22.00   |
|           |            | 1       | 38        | 20.75   | 20.71   | 20.64   | 22.00   |
|           |            | 1       | 74        | 20.71   | 20.88   | 20.84   | 22.00   |
|           |            | 36      | 0         | 19.74   | 19.92   | 19.72   | 21.00   |
| 20MHz     | QPSK       | 36      | 18        | 19.79   | 19.86   | 19.64   | 21.00   |
|           |            | 36      | 39        | 19.76   | 19.72   | 19.77   | 21.00   |
|           |            | 75      | 0         | 19.73   | 19.88   | 19.72   | 21.00   |
|           | 16QAM      | 1       | 0         | 17.71   | 17.77   | 17.71   | 19.00   |
|           |            | 1       | 38        | 17.81   | 17.86   | 17.60   | 19.00   |
|           |            | 1       | 74        | 17.73   | 17.85   | 17.78   | 19.00   |
|           | 64QAM      | 36      | 0         | 17.73   | 17.72   | 17.75   | 19.00   |
|           |            | 36      | 18        | 17.71   | 17.80   | 17.76   | 19.00   |
|           |            | 36      | 39        | 17.74   | 17.96   | 17.75   | 19.00   |
|           |            | 75      | 0         | 17.67   | 17.72   | 17.63   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26140   | 26365   | 26590   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.28   | 21.37   | 21.30   | 22.00   |
|           |            | 1       | 50        | 20.91   | 21.06   | 20.93   | 22.00   |
|           |            | 1       | 99        | 21.05   | 21.17   | 21.13   | 22.00   |
|           |            | 50      | 0         | 20.97   | 21.31   | 21.01   | 22.00   |
|           |            | 50      | 25        | 20.87   | 21.28   | 21.07   | 22.00   |
|           |            | 50      | 50        | 20.94   | 21.16   | 20.90   | 22.00   |
|           | 16QAM      | 100     | 0         | 20.99   | 21.17   | 21.11   | 22.00   |
|           |            | 1       | 0         | 20.96   | 21.32   | 21.06   | 22.00   |
|           |            | 1       | 50        | 21.09   | 21.09   | 21.09   | 22.00   |
|           |            | 1       | 99        | 21.08   | 21.19   | 21.21   | 22.00   |
|           |            | 50      | 0         | 21.14   | 21.14   | 21.11   | 22.00   |
|           |            | 50      | 25        | 20.87   | 21.18   | 21.00   | 22.00   |
|           | 64QAM      | 50      | 50        | 20.95   | 21.15   | 20.99   | 22.00   |
|           |            | 100     | 0         | 21.08   | 21.33   | 21.12   | 22.00   |
|           |            | 1       | 0         | 21.01   | 21.17   | 21.04   | 22.00   |
|           |            | 1       | 50        | 21.11   | 21.03   | 21.00   | 22.00   |
|           |            | 1       | 99        | 21.09   | 21.21   | 21.17   | 22.00   |
|           |            | 50      | 0         | 20.12   | 20.23   | 19.97   | 21.00   |
| 20MHz     | 256QAM     | 50      | 25        | 20.05   | 20.19   | 20.00   | 21.00   |
|           |            | 50      | 50        | 20.10   | 20.11   | 20.09   | 21.00   |
|           |            | 100     | 0         | 20.10   | 20.17   | 20.03   | 21.00   |
|           |            | 1       | 0         | 18.04   | 18.08   | 18.08   | 19.00   |
|           |            | 1       | 50        | 18.11   | 18.16   | 17.92   | 19.00   |
|           |            | 1       | 99        | 18.07   | 18.18   | 18.09   | 19.00   |
|           | 256QAM     | 50      | 0         | 18.00   | 18.06   | 18.01   | 19.00   |
|           |            | 50      | 25        | 18.08   | 18.16   | 18.11   | 19.00   |
|           |            | 50      | 50        | 17.99   | 18.28   | 18.07   | 19.00   |
|           |            | 100     | 0         | 18.01   | 18.10   | 17.97   | 19.00   |

| LTE Band 25 Hotspot on |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |

|        |        |    |    |       |       |       |       |
|--------|--------|----|----|-------|-------|-------|-------|
| 1.4MHz | QPSK   | 1  | 0  | 26047 | 26365 | 26683 |       |
|        |        | 1  | 2  | 20.05 | 20.58 | 20.11 | 21.50 |
|        |        | 1  | 5  | 19.89 | 20.22 | 19.98 | 21.50 |
|        |        | 3  | 0  | 20.04 | 20.33 | 20.23 | 21.50 |
|        |        | 3  | 2  | 19.99 | 20.18 | 20.23 | 21.50 |
|        |        | 3  | 3  | 20.18 | 20.41 | 19.98 | 21.50 |
|        | 16QAM  | 3  | 0  | 19.94 | 20.16 | 19.96 | 21.50 |
|        |        | 6  | 0  | 20.00 | 20.29 | 19.99 | 21.50 |
|        |        | 1  | 0  | 19.95 | 20.20 | 20.17 | 21.50 |
|        |        | 1  | 2  | 20.01 | 20.05 | 20.19 | 21.50 |
|        |        | 1  | 5  | 20.00 | 20.16 | 20.10 | 21.50 |
|        |        | 3  | 0  | 20.06 | 20.21 | 19.95 | 21.50 |
|        | 64QAM  | 3  | 2  | 20.06 | 20.21 | 19.95 | 21.50 |
|        |        | 3  | 2  | 19.95 | 20.24 | 20.15 | 21.50 |
|        |        | 3  | 3  | 20.12 | 20.23 | 20.02 | 21.50 |
|        |        | 6  | 0  | 19.87 | 20.18 | 20.03 | 21.50 |
|        |        | 1  | 0  | 20.12 | 20.21 | 20.15 | 21.50 |
|        |        | 1  | 2  | 20.21 | 19.98 | 20.08 | 21.50 |
|        | 256QAM | 1  | 5  | 20.01 | 20.56 | 20.30 | 21.50 |
|        |        | 3  | 0  | 20.20 | 20.04 | 20.11 | 21.50 |
|        |        | 3  | 2  | 20.18 | 20.13 | 19.90 | 21.50 |
|        |        | 3  | 3  | 20.03 | 19.99 | 20.08 | 21.50 |
|        |        | 6  | 0  | 19.33 | 19.79 | 19.53 | 21.00 |
|        |        | 1  | 0  | 17.59 | 17.61 | 17.61 | 19.00 |
| 3MHz   | QPSK   | 1  | 2  | 17.53 | 17.73 | 17.60 | 19.00 |
|        |        | 1  | 5  | 17.56 | 17.69 | 17.54 | 19.00 |
|        |        | 3  | 0  | 17.62 | 17.63 | 17.62 | 19.00 |
|        |        | 3  | 2  | 17.53 | 17.58 | 17.34 | 19.00 |
|        |        | 3  | 3  | 17.62 | 17.64 | 17.58 | 19.00 |
|        |        | 6  | 0  | 17.34 | 17.41 | 17.44 | 19.00 |
|        | 16QAM  | 1  | 0  | 20.22 | 20.45 | 20.38 | 21.50 |
|        |        | 1  | 7  | 20.17 | 20.17 | 20.37 | 21.50 |
|        |        | 1  | 14 | 20.20 | 20.35 | 20.34 | 21.50 |
|        |        | 8  | 0  | 20.19 | 20.27 | 20.26 | 21.50 |
|        |        | 8  | 4  | 20.07 | 20.42 | 20.34 | 21.50 |
|        |        | 8  | 7  | 20.20 | 20.24 | 20.16 | 21.50 |
|        | 64QAM  | 15 | 0  | 20.22 | 20.48 | 20.19 | 21.50 |
|        |        | 1  | 0  | 20.32 | 20.39 | 20.28 | 21.50 |
|        |        | 1  | 7  | 20.29 | 20.19 | 20.25 | 21.50 |
|        |        | 1  | 14 | 20.19 | 20.65 | 20.39 | 21.50 |
|        |        | 8  | 0  | 19.86 | 19.82 | 19.79 | 21.00 |
|        |        | 8  | 4  | 19.77 | 19.83 | 19.64 | 21.00 |
|        | 256QAM | 8  | 7  | 19.74 | 19.71 | 19.74 | 21.00 |
|        |        | 15 | 0  | 19.63 | 19.84 | 19.73 | 21.00 |
|        |        | 1  | 0  | 17.74 | 17.89 | 17.79 | 19.00 |
|        |        | 1  | 7  | 17.70 | 17.92 | 17.68 | 19.00 |
|        |        | 1  | 14 | 17.79 | 17.84 | 17.72 | 19.00 |
|        |        | 8  | 0  | 17.70 | 17.84 | 17.75 | 19.00 |
| 5MHz   | QPSK   | 8  | 4  | 17.69 | 17.72 | 17.55 | 19.00 |
|        |        | 8  | 7  | 17.80 | 17.84 | 17.83 | 19.00 |
|        |        | 15 | 0  | 17.52 | 17.62 | 17.62 | 19.00 |
|        | 16QAM  | 1  | 0  | 20.18 | 20.59 | 20.26 | 21.50 |
|        |        | 1  | 13 | 20.05 | 20.41 | 20.14 | 21.50 |
|        |        | 1  | 24 | 20.18 | 20.45 | 20.26 | 21.50 |
|        | QPSK   | 12 | 0  | 20.16 | 20.42 | 20.24 | 21.50 |
|        |        | 12 | 6  | 20.29 | 20.49 | 20.28 | 21.50 |
|        |        | 12 | 13 | 20.17 | 20.29 | 20.14 | 21.50 |
|        |        | 25 | 0  | 20.23 | 20.39 | 20.18 | 21.50 |
|        | 16QAM  | 1  | 0  | 20.20 | 20.39 | 20.24 | 21.50 |
|        |        | 1  | 13 | 20.23 | 20.22 | 20.42 | 21.50 |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 24        | 20.14   | 20.47   | 20.35   | 21.50   |
|           |            | 12      | 0         | 20.17   | 20.21   | 20.28   | 21.50   |
|           |            | 12      | 6         | 20.04   | 20.48   | 20.33   | 21.50   |
|           |            | 12      | 13        | 20.15   | 20.25   | 20.15   | 21.50   |
|           |            | 25      | 0         | 20.28   | 20.52   | 20.19   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.26   | 20.29   | 20.33   | 21.50   |
|           |            | 1       | 13        | 20.23   | 20.29   | 20.21   | 21.50   |
|           |            | 1       | 24        | 20.24   | 20.55   | 20.37   | 21.50   |
|           |            | 12      | 0         | 19.74   | 19.91   | 19.69   | 21.00   |
|           |            | 12      | 6         | 19.69   | 19.82   | 19.72   | 21.00   |
|           | 256QAM     | 12      | 13        | 19.69   | 19.74   | 19.72   | 21.00   |
|           |            | 25      | 0         | 19.69   | 19.97   | 19.71   | 21.00   |
|           |            | 1       | 0         | 17.75   | 17.89   | 17.70   | 19.00   |
|           |            | 1       | 13        | 17.67   | 18.05   | 17.62   | 19.00   |
|           |            | 1       | 24        | 17.76   | 17.90   | 17.78   | 19.00   |
|           | 12         | 0       | 17.77     | 17.85   | 17.86   | 19.00   |         |
|           | 12         | 6       | 17.70     | 17.80   | 17.65   | 19.00   |         |
|           | 12         | 13      | 17.81     | 17.88   | 17.81   | 19.00   |         |
|           | 25         | 0       | 17.59     | 17.63   | 17.60   | 19.00   |         |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.13   | 20.66   | 20.23   | 21.50   |
|           |            | 1       | 25        | 20.08   | 20.41   | 20.16   | 21.50   |
|           |            | 1       | 49        | 20.15   | 20.40   | 20.36   | 21.50   |
|           |            | 25      | 0         | 20.04   | 20.41   | 20.30   | 21.50   |
|           |            | 25      | 13        | 20.30   | 20.53   | 20.24   | 21.50   |
|           |            | 25      | 25        | 20.12   | 20.33   | 20.16   | 21.50   |
|           | 16QAM      | 50      | 0         | 20.21   | 20.34   | 20.29   | 21.50   |
|           |            | 1       | 0         | 20.25   | 20.41   | 20.27   | 21.50   |
|           |            | 1       | 25        | 20.18   | 20.14   | 20.29   | 21.50   |
|           |            | 1       | 49        | 20.16   | 20.40   | 20.44   | 21.50   |
|           |            | 25      | 0         | 20.18   | 20.34   | 20.35   | 21.50   |
|           |            | 25      | 13        | 20.05   | 20.41   | 20.27   | 21.50   |
|           | 64QAM      | 25      | 25        | 20.12   | 20.24   | 20.21   | 21.50   |
|           |            | 50      | 0         | 20.24   | 20.51   | 20.12   | 21.50   |
|           |            | 1       | 0         | 20.19   | 20.35   | 20.30   | 21.50   |
|           |            | 1       | 25        | 20.31   | 20.25   | 20.25   | 21.50   |
|           |            | 1       | 49        | 20.26   | 20.55   | 20.27   | 21.50   |
|           |            | 25      | 0         | 19.78   | 19.85   | 19.74   | 21.00   |
|           | 256QAM     | 25      | 13        | 19.70   | 19.89   | 19.62   | 21.00   |
|           |            | 25      | 25        | 19.73   | 19.68   | 19.67   | 21.00   |
|           |            | 50      | 0         | 19.72   | 19.96   | 19.64   | 21.00   |
|           |            | 1       | 0         | 17.75   | 17.88   | 17.74   | 19.00   |
|           |            | 1       | 25        | 17.67   | 17.94   | 17.76   | 19.00   |
|           |            | 1       | 49        | 17.72   | 17.85   | 17.67   | 19.00   |
|           |            | 25      | 0         | 17.70   | 17.75   | 17.78   | 19.00   |
| 25        |            | 13      | 17.77     | 17.83   | 17.66   | 19.00   |         |
| 25        |            | 25      | 17.81     | 17.88   | 17.80   | 19.00   |         |
| 25        |            | 0       | 17.52     | 17.73   | 17.62   | 19.00   |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.25   | 20.64   | 20.23   | 21.50   |
|           |            | 1       | 38        | 20.04   | 20.43   | 20.04   | 21.50   |
|           |            | 1       | 74        | 20.15   | 20.41   | 20.32   | 21.50   |
|           |            | 36      | 0         | 20.17   | 20.42   | 20.26   | 21.50   |
|           |            | 36      | 18        | 20.28   | 20.51   | 20.24   | 21.50   |
|           |            | 36      | 39        | 20.14   | 20.34   | 20.17   | 21.50   |
|           | 16QAM      | 75      | 0         | 20.23   | 20.39   | 20.17   | 21.50   |
|           |            | 1       | 0         | 20.25   | 20.40   | 20.36   | 21.50   |
|           |            | 1       | 38        | 20.20   | 20.19   | 20.37   | 21.50   |
|           |            | 1       | 74        | 20.21   | 20.47   | 20.45   | 21.50   |
|           |            | 36      | 0         | 20.29   | 20.22   | 20.35   | 21.50   |
|           |            | 36      | 18        | 20.07   | 20.41   | 20.23   | 21.50   |
|           | 64QAM      | 36      | 39        | 20.20   | 20.21   | 20.20   | 21.50   |
|           |            | 75      | 0         | 20.23   | 20.46   | 20.08   | 21.50   |
|           |            | 1       | 0         | 20.28   | 20.39   | 20.25   | 21.50   |
|           |            | 1       | 38        | 20.30   | 20.28   | 20.19   | 21.50   |
|           |            | 1       | 74        | 20.17   | 20.53   | 20.33   | 21.50   |
|           |            | 36      | 0         | 19.78   | 19.89   | 19.73   | 21.00   |
|           | 36         | 18      | 19.74     | 19.95   | 19.64   | 21.00   |         |
|           |            |         |           |         |         |         |         |

|           | 256QAM     | 36      | 39        | 19.77   | 19.77   | 19.71   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 75      | 0         | 19.65   | 19.94   | 19.67   | 21.00   |
|           |            | 1       | 0         | 17.76   | 17.89   | 17.76   | 19.00   |
|           |            | 1       | 38        | 17.68   | 17.92   | 17.66   | 19.00   |
|           |            | 1       | 74        | 17.72   | 17.87   | 17.73   | 19.00   |
|           |            | 36      | 0         | 17.67   | 17.87   | 17.88   | 19.00   |
|           |            | 36      | 18        | 17.80   | 17.76   | 17.57   | 19.00   |
|           |            | 36      | 39        | 17.72   | 17.91   | 17.83   | 19.00   |
|           |            | 75      | 0         | 17.49   | 17.63   | 17.64   | 19.00   |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 20.25   | 20.67   | 20.36   | 21.50   |
|           |            | 1       | 50        | 20.16   | 20.44   | 20.17   | 21.50   |
|           |            | 1       | 99        | 20.24   | 20.52   | 20.40   | 21.50   |
|           |            | 50      | 0         | 20.17   | 20.59   | 20.36   | 21.50   |
|           |            | 50      | 25        | 20.34   | 20.54   | 20.32   | 21.50   |
|           |            | 50      | 50        | 20.18   | 20.43   | 20.23   | 21.50   |
|           |            | 100     | 0         | 20.32   | 20.47   | 20.29   | 21.50   |
|           | 16QAM      | 1       | 0         | 20.31   | 20.47   | 20.39   | 21.50   |
|           |            | 1       | 50        | 20.30   | 20.29   | 20.42   | 21.50   |
|           |            | 1       | 99        | 20.23   | 20.48   | 20.46   | 21.50   |
|           |            | 50      | 0         | 20.30   | 20.36   | 20.39   | 21.50   |
|           |            | 50      | 25        | 20.17   | 20.49   | 20.34   | 21.50   |
|           |            | 50      | 50        | 20.26   | 20.35   | 20.24   | 21.50   |
|           |            | 100     | 0         | 20.33   | 20.56   | 20.22   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.32   | 20.43   | 20.35   | 21.50   |
|           |            | 1       | 50        | 20.32   | 20.33   | 20.31   | 21.50   |
|           |            | 1       | 99        | 20.29   | 20.66   | 20.42   | 21.50   |
|           |            | 50      | 0         | 19.86   | 19.97   | 19.82   | 21.00   |
|           |            | 50      | 25        | 19.77   | 19.97   | 19.73   | 21.00   |
|           |            | 50      | 50        | 19.80   | 19.81   | 19.82   | 21.00   |
|           |            | 100     | 0         | 19.77   | 19.98   | 19.79   | 21.00   |
|           | 256QAM     | 1       | 0         | 17.77   | 17.91   | 17.80   | 19.00   |
|           |            | 1       | 50        | 17.77   | 18.05   | 17.77   | 19.00   |
|           |            | 1       | 99        | 17.80   | 17.90   | 17.82   | 19.00   |
|           |            | 50      | 0         | 17.77   | 17.88   | 17.90   | 19.00   |
|           |            | 50      | 25        | 17.81   | 17.86   | 17.69   | 19.00   |
|           |            | 50      | 50        | 17.84   | 17.98   | 17.86   | 19.00   |
|           |            | 100     | 0         | 17.61   | 17.75   | 17.68   | 19.00   |

| LTE Band 25 Body worn for Simultaneous ULCA&ENDC |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz                                           | QPSK       | 1       | 0         | 17.73                | 18.33   | 17.91   | 19.00   |
|                                                  |            | 1       | 2         | 17.74                | 17.95   | 17.78   | 19.00   |
|                                                  |            | 1       | 5         | 17.79                | 17.91   | 17.64   | 19.00   |
|                                                  |            | 3       | 0         | 17.80                | 18.00   | 17.78   | 19.00   |
|                                                  |            | 3       | 2         | 17.83                | 17.97   | 17.85   | 19.00   |
|                                                  |            | 3       | 3         | 17.72                | 18.02   | 17.78   | 19.00   |
|                                                  |            | 6       | 0         | 17.75                | 18.03   | 17.73   | 19.00   |
|                                                  | 16QAM      | 1       | 0         | 17.75                | 17.94   | 17.78   | 19.00   |
|                                                  |            | 1       | 2         | 17.83                | 17.99   | 17.62   | 19.00   |
|                                                  |            | 1       | 5         | 17.71                | 17.92   | 17.76   | 19.00   |
|                                                  |            | 3       | 0         | 17.83                | 17.86   | 17.70   | 19.00   |
|                                                  |            | 3       | 2         | 17.70                | 18.03   | 17.77   | 19.00   |
|                                                  |            | 3       | 3         | 17.80                | 17.93   | 17.65   | 19.00   |
|                                                  |            | 6       | 0         | 17.76                | 17.90   | 17.64   | 19.00   |
|                                                  | 64QAM      | 1       | 0         | 17.78                | 18.02   | 17.65   | 19.00   |
|                                                  |            | 1       | 2         | 17.78                | 17.97   | 17.75   | 19.00   |
|                                                  |            | 1       | 5         | 17.72                | 17.99   | 17.81   | 19.00   |
|                                                  |            | 3       | 0         | 17.69                | 17.95   | 17.73   | 19.00   |
|                                                  |            | 3       | 2         | 17.75                | 17.93   | 17.78   | 19.00   |
|                                                  |            | 3       | 3         | 17.81                | 17.92   | 17.79   | 19.00   |
|                                                  |            | 6       | 0         | 17.69                | 17.99   | 17.75   | 19.00   |
|                                                  | 256QAM     | 1       | 0         | 17.81                | 18.07   | 17.66   | 19.00   |
|                                                  |            | 1       | 2         | 17.82                | 17.85   | 17.72   | 19.00   |
|                                                  |            | 1       | 5         | 17.71                | 17.91   | 17.74   | 19.00   |
|                                                  |            | 3       | 0         | 17.68                | 17.88   | 17.68   | 19.00   |

|           |            | 3       | 2         | 17.79   | 18.00   | 17.81   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 3       | 3         | 17.75   | 17.94   | 17.74   | 19.00   |
|           |            | 6       | 0         | 17.70   | 17.97   | 17.83   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26055   | 26365   | 26675   |         |
| 3MHz      | QPSK       | 1       | 0         | 17.78   | 18.25   | 17.91   | 19.00   |
|           |            | 1       | 7         | 17.74   | 17.95   | 17.77   | 19.00   |
|           |            | 1       | 14        | 17.86   | 17.92   | 17.61   | 19.00   |
|           |            | 8       | 0         | 17.82   | 17.93   | 17.85   | 19.00   |
|           |            | 8       | 4         | 17.74   | 17.98   | 17.81   | 19.00   |
|           |            | 8       | 7         | 17.75   | 18.01   | 17.74   | 19.00   |
|           |            | 15      | 0         | 17.82   | 18.03   | 17.65   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.68   | 17.93   | 17.76   | 19.00   |
|           |            | 1       | 7         | 17.80   | 18.03   | 17.62   | 19.00   |
|           |            | 1       | 14        | 17.74   | 17.95   | 17.83   | 19.00   |
|           |            | 8       | 0         | 17.83   | 17.90   | 17.74   | 19.00   |
|           |            | 8       | 4         | 17.71   | 17.99   | 17.69   | 19.00   |
|           |            | 8       | 7         | 17.83   | 17.96   | 17.71   | 19.00   |
|           |            | 15      | 0         | 17.75   | 17.97   | 17.69   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.78   | 18.08   | 17.72   | 19.00   |
|           |            | 1       | 7         | 17.78   | 17.99   | 17.72   | 19.00   |
|           |            | 1       | 14        | 17.68   | 17.95   | 17.78   | 19.00   |
|           |            | 8       | 0         | 17.69   | 17.93   | 17.70   | 19.00   |
|           |            | 8       | 4         | 17.70   | 17.92   | 17.79   | 19.00   |
|           |            | 8       | 7         | 17.82   | 17.90   | 17.80   | 19.00   |
|           |            | 15      | 0         | 17.71   | 17.98   | 17.75   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.78   | 18.02   | 17.69   | 19.00   |
|           |            | 1       | 7         | 17.86   | 17.87   | 17.72   | 19.00   |
|           |            | 1       | 14        | 17.78   | 17.94   | 17.74   | 19.00   |
|           |            | 8       | 0         | 17.71   | 17.96   | 17.69   | 19.00   |
|           |            | 8       | 4         | 17.80   | 18.02   | 17.79   | 19.00   |
|           |            | 8       | 7         | 17.76   | 17.90   | 17.77   | 19.00   |
|           |            | 15      | 0         | 17.69   | 17.99   | 17.80   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26065   | 26365   | 26665   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.76   | 18.30   | 17.93   | 19.00   |
|           |            | 1       | 13        | 17.78   | 17.93   | 17.74   | 19.00   |
|           |            | 1       | 24        | 17.86   | 17.86   | 17.63   | 19.00   |
|           |            | 12      | 0         | 17.78   | 17.96   | 17.80   | 19.00   |
|           |            | 12      | 6         | 17.80   | 17.97   | 17.79   | 19.00   |
|           |            | 12      | 13        | 17.76   | 18.02   | 17.71   | 19.00   |
|           |            | 25      | 0         | 17.80   | 18.03   | 17.67   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.75   | 17.97   | 17.72   | 19.00   |
|           |            | 1       | 13        | 17.81   | 18.02   | 17.68   | 19.00   |
|           |            | 1       | 24        | 17.68   | 17.92   | 17.78   | 19.00   |
|           |            | 12      | 0         | 17.89   | 17.86   | 17.72   | 19.00   |
|           |            | 12      | 6         | 17.70   | 18.06   | 17.76   | 19.00   |
|           |            | 12      | 13        | 17.77   | 17.94   | 17.71   | 19.00   |
|           |            | 25      | 0         | 17.71   | 17.89   | 17.67   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.74   | 18.03   | 17.68   | 19.00   |
|           |            | 1       | 13        | 17.74   | 17.96   | 17.73   | 19.00   |
|           |            | 1       | 24        | 17.70   | 17.95   | 17.82   | 19.00   |
|           |            | 12      | 0         | 17.74   | 17.94   | 17.70   | 19.00   |
|           |            | 12      | 6         | 17.76   | 17.94   | 17.87   | 19.00   |
|           |            | 12      | 13        | 17.76   | 17.91   | 17.81   | 19.00   |
|           |            | 25      | 0         | 17.74   | 17.94   | 17.75   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.76   | 18.07   | 17.65   | 19.00   |
|           |            | 1       | 13        | 17.86   | 17.83   | 17.70   | 19.00   |
|           |            | 1       | 24        | 17.72   | 17.98   | 17.74   | 19.00   |
|           |            | 12      | 0         | 17.74   | 17.96   | 17.73   | 19.00   |
|           |            | 12      | 6         | 17.78   | 18.02   | 17.81   | 19.00   |
|           |            | 12      | 13        | 17.79   | 17.97   | 17.75   | 19.00   |
|           |            | 25      | 0         | 17.74   | 17.95   | 17.76   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.76   | 18.26   | 17.90   | 19.00   |
|           |            | 1       | 25        | 17.81   | 17.93   | 17.72   | 19.00   |
|           |            | 1       | 49        | 17.83   | 17.87   | 17.63   | 19.00   |
|           |            | 25      | 0         | 17.79   | 17.95   | 17.78   | 19.00   |
|           |            | 25      | 13        | 17.75   | 17.93   | 17.86   | 19.00   |

|           |            | 25      | 25        | 17.77   | 18.02   | 17.76   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 17.78   | 18.05   | 17.68   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.73   | 17.99   | 17.78   | 19.00   |
|           |            | 1       | 25        | 17.82   | 17.99   | 17.64   | 19.00   |
|           |            | 1       | 49        | 17.68   | 17.94   | 17.76   | 19.00   |
|           |            | 25      | 0         | 17.89   | 17.89   | 17.74   | 19.00   |
|           |            | 25      | 13        | 17.77   | 18.03   | 17.74   | 19.00   |
|           |            | 25      | 25        | 17.82   | 17.93   | 17.70   | 19.00   |
|           |            | 50      | 0         | 17.76   | 17.97   | 17.67   | 19.00   |
|           |            | 1       | 0         | 17.78   | 18.08   | 17.65   | 19.00   |
|           | 64QAM      | 1       | 25        | 17.77   | 18.02   | 17.76   | 19.00   |
|           |            | 1       | 49        | 17.69   | 17.99   | 17.75   | 19.00   |
|           |            | 25      | 0         | 17.72   | 17.93   | 17.72   | 19.00   |
|           |            | 25      | 13        | 17.73   | 17.89   | 17.86   | 19.00   |
|           |            | 25      | 25        | 17.76   | 17.90   | 17.79   | 19.00   |
|           |            | 50      | 0         | 17.78   | 17.99   | 17.75   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.84   | 18.06   | 17.67   | 19.00   |
|           |            | 1       | 25        | 17.85   | 17.84   | 17.77   | 19.00   |
|           |            | 1       | 49        | 17.77   | 17.95   | 17.67   | 19.00   |
|           |            | 25      | 0         | 17.68   | 17.89   | 17.69   | 19.00   |
|           |            | 25      | 13        | 17.74   | 17.97   | 17.73   | 19.00   |
|           |            | 25      | 25        | 17.74   | 17.98   | 17.80   | 19.00   |
|           |            | 50      | 0         | 17.70   | 18.01   | 17.76   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.76   | 18.26   | 17.93   | 19.00   |
|           |            | 1       | 38        | 17.75   | 17.94   | 17.74   | 19.00   |
|           |            | 1       | 74        | 17.84   | 17.88   | 17.65   | 19.00   |
|           |            | 36      | 0         | 17.82   | 18.00   | 17.78   | 19.00   |
|           |            | 36      | 18        | 17.77   | 17.90   | 17.79   | 19.00   |
|           |            | 36      | 39        | 17.78   | 18.01   | 17.76   | 19.00   |
|           |            | 75      | 0         | 17.80   | 18.02   | 17.67   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.76   | 17.98   | 17.76   | 19.00   |
|           |            | 1       | 38        | 17.89   | 18.00   | 17.65   | 19.00   |
|           |            | 1       | 74        | 17.72   | 17.94   | 17.80   | 19.00   |
|           |            | 36      | 0         | 17.84   | 17.84   | 17.79   | 19.00   |
|           |            | 36      | 18        | 17.77   | 18.01   | 17.69   | 19.00   |
|           |            | 36      | 39        | 17.81   | 17.92   | 17.73   | 19.00   |
|           |            | 75      | 0         | 17.77   | 17.91   | 17.71   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.76   | 18.08   | 17.71   | 19.00   |
|           |            | 1       | 38        | 17.73   | 18.04   | 17.73   | 19.00   |
|           |            | 1       | 74        | 17.70   | 17.97   | 17.76   | 19.00   |
|           |            | 36      | 0         | 17.72   | 17.92   | 17.68   | 19.00   |
|           |            | 36      | 18        | 17.71   | 17.89   | 17.84   | 19.00   |
|           |            | 36      | 39        | 17.82   | 17.94   | 17.74   | 19.00   |
|           |            | 75      | 0         | 17.76   | 17.95   | 17.76   | 19.00   |
|           | 256QAM     | 1       | 0         | 17.80   | 18.04   | 17.69   | 19.00   |
|           |            | 1       | 38        | 17.81   | 17.90   | 17.74   | 19.00   |
|           |            | 1       | 74        | 17.72   | 17.90   | 17.71   | 19.00   |
|           |            | 36      | 0         | 17.69   | 17.96   | 17.74   | 19.00   |
|           |            | 36      | 18        | 17.77   | 17.95   | 17.79   | 19.00   |
|           |            | 36      | 39        | 17.76   | 17.94   | 17.76   | 19.00   |
|           |            | 75      | 0         | 17.69   | 18.00   | 17.75   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26140   | 26365   | 26590   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.87   | 18.40   | 18.01   | 19.00   |
|           |            | 1       | 50        | 17.88   | 18.03   | 17.85   | 19.00   |
|           |            | 1       | 99        | 17.94   | 18.00   | 17.73   | 19.00   |
|           |            | 50      | 0         | 17.89   | 18.08   | 17.91   | 19.00   |
|           |            | 50      | 25        | 17.89   | 18.05   | 17.93   | 19.00   |
|           |            | 50      | 50        | 17.84   | 18.10   | 17.85   | 19.00   |
|           |            | 100     | 0         | 17.90   | 18.14   | 17.79   | 19.00   |
|           | 16QAM      | 1       | 0         | 17.82   | 18.07   | 17.85   | 19.00   |
|           |            | 1       | 50        | 17.95   | 18.11   | 17.77   | 19.00   |
|           |            | 1       | 99        | 17.80   | 18.04   | 17.90   | 19.00   |
|           |            | 50      | 0         | 17.96   | 17.97   | 17.85   | 19.00   |
|           |            | 50      | 25        | 17.83   | 18.12   | 17.83   | 19.00   |
|           |            | 50      | 50        | 17.90   | 18.07   | 17.80   | 19.00   |
|           |            | 100     | 0         | 17.84   | 18.04   | 17.78   | 19.00   |
|           | 64QAM      | 1       | 0         | 17.87   | 18.14   | 17.79   | 19.00   |

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 1   | 50 | 17.87 | 18.11 | 17.86 | 19.00 |
|  |        | 1   | 99 | 17.79 | 18.05 | 17.89 | 19.00 |
|  |        | 50  | 0  | 17.81 | 18.03 | 17.83 | 19.00 |
|  |        | 50  | 25 | 17.84 | 18.03 | 17.93 | 19.00 |
|  |        | 50  | 50 | 17.89 | 18.03 | 17.88 | 19.00 |
|  |        | 100 | 0  | 17.84 | 18.06 | 17.82 | 19.00 |
|  | 256QAM | 1   | 0  | 17.90 | 18.13 | 17.78 | 19.00 |
|  |        | 1   | 50 | 17.94 | 17.96 | 17.83 | 19.00 |
|  |        | 1   | 99 | 17.84 | 18.05 | 17.82 | 19.00 |
|  |        | 50  | 0  | 17.80 | 18.03 | 17.81 | 19.00 |
|  |        | 50  | 25 | 17.89 | 18.09 | 17.88 | 19.00 |
|  |        | 50  | 50 | 17.86 | 18.04 | 17.88 | 19.00 |
|  |        | 100 | 0  | 17.82 | 18.08 | 17.90 | 19.00 |

| LTE Band 25 Hotspot for Simultaneous ULCA&ENDC |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                                      | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                                                |            |         |           | 26047                | 26365   | 26683   |         |
| 1.4MHz                                         | QPSK       | 1       | 0         | 17.31                | 17.79   | 17.41   | 18.50   |
|                                                |            | 1       | 2         | 17.32                | 17.42   | 17.23   | 18.50   |
|                                                |            | 1       | 5         | 17.32                | 17.39   | 17.09   | 18.50   |
|                                                |            | 3       | 0         | 17.27                | 17.46   | 17.29   | 18.50   |
|                                                |            | 3       | 2         | 17.27                | 17.44   | 17.29   | 18.50   |
|                                                |            | 3       | 3         | 17.24                | 17.51   | 17.26   | 18.50   |
|                                                | 16QAM      | 6       | 0         | 17.33                | 17.58   | 17.20   | 18.50   |
|                                                |            | 1       | 0         | 17.20                | 17.42   | 17.25   | 18.50   |
|                                                |            | 1       | 2         | 17.29                | 17.46   | 17.16   | 18.50   |
|                                                |            | 1       | 5         | 17.22                | 17.41   | 17.28   | 18.50   |
|                                                |            | 3       | 0         | 17.29                | 17.43   | 17.28   | 18.50   |
|                                                |            | 3       | 2         | 17.24                | 17.54   | 17.29   | 18.50   |
|                                                | 64QAM      | 3       | 3         | 17.30                | 17.49   | 17.19   | 18.50   |
|                                                |            | 6       | 0         | 17.20                | 17.44   | 17.17   | 18.50   |
|                                                |            | 1       | 0         | 17.28                | 17.48   | 17.20   | 18.50   |
|                                                |            | 1       | 2         | 17.28                | 17.56   | 17.27   | 18.50   |
|                                                |            | 1       | 5         | 17.18                | 17.51   | 17.25   | 18.50   |
|                                                |            | 3       | 0         | 17.16                | 17.50   | 17.21   | 18.50   |
|                                                | 256QAM     | 3       | 2         | 17.25                | 17.38   | 17.30   | 18.50   |
|                                                |            | 3       | 3         | 17.30                | 17.37   | 17.28   | 18.50   |
|                                                |            | 6       | 0         | 17.28                | 17.41   | 17.22   | 18.50   |
|                                                |            | 1       | 0         | 17.27                | 17.54   | 17.24   | 18.50   |
|                                                |            | 1       | 2         | 17.34                | 17.41   | 17.26   | 18.50   |
|                                                |            | 1       | 5         | 17.32                | 17.42   | 17.23   | 18.50   |
|                                                |            | 3       | 0         | 17.24                | 17.41   | 17.24   | 18.50   |
|                                                |            | 3       | 2         | 17.27                | 17.41   | 17.24   | 18.50   |
|                                                |            | 3       | 3         | 17.27                | 17.45   | 17.33   | 18.50   |
|                                                |            | 6       | 0         | 17.26                | 17.48   | 17.25   | 18.50   |
| 3MHz                                           | QPSK       | 1       | 0         | 17.31                | 17.80   | 17.41   | 18.50   |
|                                                |            | 1       | 7         | 17.34                | 17.46   | 17.24   | 18.50   |
|                                                |            | 1       | 14        | 17.32                | 17.45   | 17.16   | 18.50   |
|                                                |            | 8       | 0         | 17.26                | 17.49   | 17.26   | 18.50   |
|                                                |            | 8       | 4         | 17.24                | 17.51   | 17.31   | 18.50   |
|                                                |            | 8       | 7         | 17.28                | 17.57   | 17.22   | 18.50   |
|                                                |            | 15      | 0         | 17.33                | 17.50   | 17.21   | 18.50   |
|                                                | 16QAM      | 1       | 0         | 17.23                | 17.45   | 17.27   | 18.50   |
|                                                |            | 1       | 7         | 17.35                | 17.47   | 17.14   | 18.50   |
|                                                |            | 1       | 14        | 17.16                | 17.47   | 17.26   | 18.50   |
|                                                |            | 8       | 0         | 17.29                | 17.42   | 17.33   | 18.50   |
|                                                |            | 8       | 4         | 17.23                | 17.53   | 17.27   | 18.50   |
|                                                |            | 8       | 7         | 17.35                | 17.46   | 17.17   | 18.50   |
|                                                | 64QAM      | 15      | 0         | 17.29                | 17.50   | 17.19   | 18.50   |
|                                                |            | 1       | 0         | 17.33                | 17.49   | 17.20   | 18.50   |
|                                                |            | 1       | 7         | 17.22                | 17.51   | 17.28   | 18.50   |
|                                                |            | 1       | 14        | 17.21                | 17.49   | 17.26   | 18.50   |
|                                                |            | 8       | 0         | 17.20                | 17.42   | 17.26   | 18.50   |
|                                                |            | 8       | 4         | 17.27                | 17.44   | 17.32   | 18.50   |
|                                                |            | 8       | 7         | 17.28                | 17.37   | 17.25   | 18.50   |
|                                                |            | 15      | 0         | 17.27                | 17.41   | 17.22   | 18.50   |

|           |            | 1       | 0         | 17.27   | 17.55   | 17.16   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 7         | 17.28   | 17.36   | 17.31   | 18.50   |
|           |            | 1       | 14        | 17.24   | 17.49   | 17.26   | 18.50   |
|           |            | 8       | 0         | 17.27   | 17.43   | 17.25   | 18.50   |
|           |            | 8       | 4         | 17.27   | 17.43   | 17.26   | 18.50   |
|           |            | 8       | 7         | 17.28   | 17.45   | 17.34   | 18.50   |
|           |            | 15      | 0         | 17.24   | 17.47   | 17.26   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26065   | 26365   | 26665   |         |
| 5MHz      | QPSK       | 1       | 0         | 17.35   | 17.80   | 17.42   | 18.50   |
|           |            | 1       | 13        | 17.26   | 17.50   | 17.23   | 18.50   |
|           |            | 1       | 24        | 17.30   | 17.43   | 17.15   | 18.50   |
|           |            | 12      | 0         | 17.32   | 17.44   | 17.31   | 18.50   |
|           |            | 12      | 6         | 17.27   | 17.51   | 17.28   | 18.50   |
|           |            | 12      | 13        | 17.22   | 17.55   | 17.26   | 18.50   |
|           | 16QAM      | 25      | 0         | 17.27   | 17.50   | 17.15   | 18.50   |
|           |            | 1       | 0         | 17.25   | 17.46   | 17.25   | 18.50   |
|           |            | 1       | 13        | 17.36   | 17.50   | 17.12   | 18.50   |
|           |            | 1       | 24        | 17.21   | 17.46   | 17.26   | 18.50   |
|           |            | 12      | 0         | 17.28   | 17.37   | 17.32   | 18.50   |
|           |            | 12      | 6         | 17.19   | 17.49   | 17.23   | 18.50   |
|           | 64QAM      | 12      | 13        | 17.31   | 17.47   | 17.20   | 18.50   |
|           |            | 25      | 0         | 17.21   | 17.46   | 17.14   | 18.50   |
|           |            | 1       | 0         | 17.25   | 17.49   | 17.20   | 18.50   |
|           |            | 1       | 13        | 17.27   | 17.55   | 17.29   | 18.50   |
|           |            | 1       | 24        | 17.23   | 17.46   | 17.25   | 18.50   |
|           |            | 12      | 0         | 17.16   | 17.50   | 17.29   | 18.50   |
|           | 256QAM     | 12      | 6         | 17.20   | 17.46   | 17.32   | 18.50   |
|           |            | 12      | 13        | 17.24   | 17.37   | 17.26   | 18.50   |
|           |            | 25      | 0         | 17.26   | 17.46   | 17.21   | 18.50   |
|           |            | 1       | 0         | 17.24   | 17.49   | 17.16   | 18.50   |
|           |            | 1       | 13        | 17.33   | 17.42   | 17.31   | 18.50   |
|           |            | 1       | 24        | 17.25   | 17.49   | 17.19   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26090   | 26365   | 26640   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.34   | 17.78   | 17.42   | 18.50   |
|           |            | 1       | 25        | 17.26   | 17.50   | 17.25   | 18.50   |
|           |            | 1       | 49        | 17.30   | 17.43   | 17.08   | 18.50   |
|           |            | 25      | 0         | 17.28   | 17.45   | 17.31   | 18.50   |
|           |            | 25      | 13        | 17.27   | 17.48   | 17.31   | 18.50   |
|           |            | 25      | 25        | 17.25   | 17.51   | 17.25   | 18.50   |
|           | 16QAM      | 50      | 0         | 17.25   | 17.56   | 17.18   | 18.50   |
|           |            | 1       | 0         | 17.27   | 17.46   | 17.26   | 18.50   |
|           |            | 1       | 25        | 17.31   | 17.52   | 17.15   | 18.50   |
|           |            | 1       | 49        | 17.20   | 17.44   | 17.24   | 18.50   |
|           |            | 25      | 0         | 17.34   | 17.40   | 17.25   | 18.50   |
|           |            | 25      | 13        | 17.24   | 17.53   | 17.24   | 18.50   |
|           | 64QAM      | 25      | 25        | 17.35   | 17.50   | 17.17   | 18.50   |
|           |            | 50      | 0         | 17.21   | 17.50   | 17.21   | 18.50   |
|           |            | 1       | 0         | 17.25   | 17.50   | 17.25   | 18.50   |
|           |            | 1       | 25        | 17.25   | 17.52   | 17.22   | 18.50   |
|           |            | 1       | 49        | 17.16   | 17.53   | 17.30   | 18.50   |
|           |            | 25      | 0         | 17.14   | 17.48   | 17.23   | 18.50   |
|           | 256QAM     | 25      | 13        | 17.23   | 17.43   | 17.28   | 18.50   |
|           |            | 25      | 25        | 17.26   | 17.41   | 17.30   | 18.50   |
|           |            | 50      | 0         | 17.26   | 17.46   | 17.25   | 18.50   |
|           |            | 1       | 0         | 17.24   | 17.55   | 17.19   | 18.50   |
|           |            | 1       | 25        | 17.31   | 17.38   | 17.32   | 18.50   |
|           |            | 1       | 49        | 17.32   | 17.44   | 17.24   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26115   | 26365   | 26615   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.34   | 17.82   | 17.39   | 18.50   |

|           |            |     |    |       |       |       |       |
|-----------|------------|-----|----|-------|-------|-------|-------|
|           |            | 1   | 38 | 17.27 | 17.46 | 17.24 | 18.50 |
|           |            | 1   | 74 | 17.36 | 17.38 | 17.13 | 18.50 |
|           |            | 36  | 0  | 17.26 | 17.45 | 17.33 | 18.50 |
|           |            | 36  | 18 | 17.33 | 17.45 | 17.32 | 18.50 |
|           |            | 36  | 39 | 17.22 | 17.55 | 17.24 | 18.50 |
|           |            | 75  | 0  | 17.24 | 17.56 | 17.22 | 18.50 |
|           | 16QAM      | 1   | 0  | 17.21 | 17.47 | 17.30 | 18.50 |
|           |            | 1   | 38 | 17.30 | 17.51 | 17.16 | 18.50 |
|           |            | 1   | 74 | 17.20 | 17.45 | 17.28 | 18.50 |
|           |            | 36  | 0  | 17.33 | 17.42 | 17.27 | 18.50 |
|           |            | 36  | 18 | 17.21 | 17.52 | 17.26 | 18.50 |
|           |            | 36  | 39 | 17.35 | 17.44 | 17.15 | 18.50 |
|           | 64QAM      | 75  | 0  | 17.28 | 17.49 | 17.16 | 18.50 |
|           |            | 1   | 0  | 17.30 | 17.52 | 17.25 | 18.50 |
|           |            | 1   | 38 | 17.29 | 17.53 | 17.25 | 18.50 |
|           |            | 1   | 74 | 17.17 | 17.45 | 17.25 | 18.50 |
|           |            | 36  | 0  | 17.14 | 17.43 | 17.27 | 18.50 |
|           |            | 36  | 18 | 17.24 | 17.45 | 17.24 | 18.50 |
|           | 256QAM     | 36  | 39 | 17.27 | 17.45 | 17.32 | 18.50 |
|           |            | 75  | 0  | 17.21 | 17.40 | 17.27 | 18.50 |
|           |            | 1   | 0  | 17.23 | 17.50 | 17.18 | 18.50 |
|           |            | 1   | 38 | 17.35 | 17.42 | 17.30 | 18.50 |
|           |            | 1   | 74 | 17.31 | 17.49 | 17.20 | 18.50 |
|           |            | 36  | 0  | 17.26 | 17.39 | 17.24 | 18.50 |
| 20MHz     | QPSK       | 36  | 18 | 17.26 | 17.48 | 17.24 | 18.50 |
|           |            | 36  | 39 | 17.31 | 17.50 | 17.30 | 18.50 |
|           |            | 75  | 0  | 17.26 | 17.47 | 17.26 | 18.50 |
|           |            | 1   | 0  | 17.41 | 17.90 | 17.53 | 18.50 |
|           |            | 1   | 50 | 17.40 | 17.56 | 17.35 | 18.50 |
|           |            | 1   | 99 | 17.44 | 17.51 | 17.23 | 18.50 |
|           | 16QAM      | 50  | 0  | 17.38 | 17.57 | 17.40 | 18.50 |
|           |            | 50  | 25 | 17.39 | 17.58 | 17.41 | 18.50 |
|           |            | 50  | 50 | 17.35 | 17.64 | 17.36 | 18.50 |
|           |            | 100 | 0  | 17.39 | 17.64 | 17.29 | 18.50 |
|           |            | 1   | 0  | 17.34 | 17.56 | 17.38 | 18.50 |
|           |            | 1   | 50 | 17.43 | 17.59 | 17.25 | 18.50 |
|           | 64QAM      | 1   | 99 | 17.29 | 17.55 | 17.37 | 18.50 |
|           |            | 50  | 0  | 17.43 | 17.51 | 17.40 | 18.50 |
|           |            | 50  | 25 | 17.32 | 17.61 | 17.37 | 18.50 |
|           |            | 50  | 50 | 17.43 | 17.56 | 17.29 | 18.50 |
|           |            | 100 | 0  | 17.35 | 17.58 | 17.29 | 18.50 |
|           |            | 1   | 0  | 17.39 | 17.61 | 17.33 | 18.50 |
|           | 256QAM     | 1   | 50 | 17.36 | 17.63 | 17.37 | 18.50 |
|           |            | 1   | 99 | 17.29 | 17.59 | 17.36 | 18.50 |
|           |            | 50  | 0  | 17.29 | 17.57 | 17.36 | 18.50 |
|           |            | 50  | 25 | 17.33 | 17.53 | 17.39 | 18.50 |
|           |            | 50  | 50 | 17.37 | 17.52 | 17.40 | 18.50 |
|           |            | 100 | 0  | 17.35 | 17.53 | 17.34 | 18.50 |
| Bandwidth | Modulation | 1   | 0  | 17.37 | 17.62 | 17.30 | 18.50 |
|           |            | 1   | 50 | 17.41 | 17.48 | 17.38 | 18.50 |
|           |            | 1   | 99 | 17.38 | 17.57 | 17.33 | 18.50 |
|           |            | 50  | 0  | 17.33 | 17.52 | 17.35 | 18.50 |
|           |            | 50  | 25 | 17.38 | 17.55 | 17.37 | 18.50 |
|           |            | 50  | 50 | 17.38 | 17.59 | 17.41 | 18.50 |
|           |            | 100 | 0  | 17.33 | 17.56 | 17.36 | 18.50 |
|           |            | 1   | 0  | 17.37 | 17.62 | 17.30 | 18.50 |
|           |            | 1   | 50 | 17.41 | 17.48 | 17.38 | 18.50 |
|           |            | 1   | 99 | 17.38 | 17.57 | 17.33 | 18.50 |
|           |            | 50  | 0  | 17.33 | 17.52 | 17.35 | 18.50 |
|           |            | 50  | 25 | 17.38 | 17.55 | 17.37 | 18.50 |
|           |            | 50  | 50 | 17.38 | 17.59 | 17.41 | 18.50 |
|           |            | 100 | 0  | 17.33 | 17.56 | 17.36 | 18.50 |
|           |            | 1   | 0  | 17.37 | 17.62 | 17.30 | 18.50 |
|           |            | 1   | 50 | 17.41 | 17.48 | 17.38 | 18.50 |
|           |            | 1   | 99 | 17.38 | 17.57 | 17.33 | 18.50 |
|           |            | 50  | 0  | 17.33 | 17.52 | 17.35 | 18.50 |
|           |            | 50  | 25 | 17.38 | 17.55 | 17.37 | 18.50 |
|           |            | 50  | 50 | 17.38 | 17.59 | 17.41 | 18.50 |
|           |            | 100 | 0  | 17.33 | 17.56 | 17.36 | 18.50 |
|           |            | 1   | 0  | 17.37 | 17.62 | 17.30 | 18.50 |
|           |            | 1   | 50 | 17.41 | 17.48 | 17.38 | 18.50 |
|           |            | 1   | 99 | 17.38 | 17.57 | 17.33 | 18.50 |
|           |            | 50  | 0  | 17.33 | 17.52 | 17.35 | 18.50 |
|           |            | 50  | 25 | 17.38 | 17.55 | 17.37 | 18.50 |
|           |            | 50  | 50 | 17.38 | 17.59 | 17.41 | 18.50 |
|           |            | 100 | 0  | 17.33 | 17.56 | 17.36 | 18.50 |
|           |            | 1   | 0  | 17.37 | 17.62 | 17.30 | 18.50 |
|           |            | 1   | 50 | 17.41 | 17.48 | 17.38 | 18.50 |
|           |            | 1   | 99 | 17.38 | 17.57 | 17.33 | 18.50 |
|           |            | 50  | 0  | 17.33 | 17.52 | 17.35 | 18.50 |
|           |            | 50  | 25 | 17.38 | 17.55 | 17.37 | 18.50 |
|           |            | 50  | 50 | 17.38 | 17.59 | 17.41 | 18.50 |
|           |            | 100 | 0  | 17.33 | 17.56 | 17.36 | 18.50 |

| LTE Band 66 full power |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 131979               | 132322  | 132665  |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 23.48                | 23.29   | 23.27   | 24.00   |
|                        |            | 1       | 2         | 23.12                | 23.47   | 23.30   | 24.00   |
|                        |            | 1       | 5         | 23.18                | 23.28   | 23.37   | 24.00   |
|                        |            | 3       | 0         | 23.35                | 23.20   | 23.28   | 24.00   |
|                        |            | 3       | 1         | 23.19                | 23.30   | 23.14   | 24.00   |
|                        |            | 3       | 3         | 23.25                | 23.41   | 23.31   | 24.00   |
|                        |            | 6       | 0         | 22.36                | 22.39   | 22.07   | 23.00   |

|  |         |         |         |         |       |       |       |
|--|---------|---------|---------|---------|-------|-------|-------|
|  | 16QAM   | 1       | 0       | 22.35   | 22.31 | 22.27 | 23.00 |
|  |         | 1       | 2       | 22.40   | 22.69 | 22.38 | 23.00 |
|  |         | 1       | 5       | 22.37   | 22.35 | 22.35 | 23.00 |
|  |         | 3       | 0       | 22.11   | 22.28 | 21.87 | 23.00 |
|  |         | 3       | 1       | 22.24   | 22.58 | 22.29 | 23.00 |
|  |         | 3       | 3       | 22.19   | 22.38 | 22.32 | 23.00 |
|  | 64QAM   | 6       | 0       | 21.42   | 21.29 | 21.10 | 22.00 |
|  |         | 1       | 0       | 20.95   | 21.37 | 21.12 | 22.00 |
|  |         | 1       | 2       | 21.13   | 21.33 | 21.37 | 22.00 |
|  |         | 1       | 5       | 21.38   | 21.49 | 21.35 | 22.00 |
|  |         | 3       | 0       | 21.29   | 21.28 | 21.32 | 22.00 |
|  |         | 3       | 1       | 21.46   | 21.17 | 21.20 | 22.00 |
|  | 256QAM  | 3       | 3       | 21.29   | 21.42 | 21.41 | 22.00 |
|  |         | 6       | 0       | 20.38   | 20.20 | 20.15 | 21.00 |
|  |         | 1       | 0       | 18.13   | 18.20 | 18.33 | 19.00 |
|  |         | 1       | 2       | 18.15   | 18.19 | 17.98 | 19.00 |
|  |         | 1       | 5       | 18.23   | 18.27 | 18.21 | 19.00 |
|  |         | 3       | 0       | 18.15   | 18.47 | 18.14 | 19.00 |
|  | 3       | 1       | 18.26   | 18.44   | 18.07 | 19.00 |       |
|  | 3       | 3       | 18.33   | 18.17   | 18.32 | 19.00 |       |
|  | 6       | 0       | 18.29   | 18.28   | 18.09 | 19.00 |       |
|  | Channel | Channel | Channel | Tune up |       |       |       |
|  | 131987  | 132322  | 132657  |         |       |       |       |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131987  | 132322  | 132657  |         |

|         |        |         |         |         |       |       |       |
|---------|--------|---------|---------|---------|-------|-------|-------|
| 3MHz    | QPSK   | 1       | 0       | 23.54   | 23.40 | 23.47 | 24.00 |
|         |        | 1       | 7       | 23.28   | 23.54 | 23.42 | 24.00 |
|         |        | 1       | 14      | 23.39   | 23.50 | 23.52 | 24.00 |
|         |        | 8       | 0       | 22.46   | 22.37 | 22.53 | 23.00 |
|         |        | 8       | 4       | 22.36   | 22.55 | 22.30 | 23.00 |
|         |        | 8       | 7       | 22.41   | 22.48 | 22.56 | 23.00 |
|         | 16QAM  | 15      | 0       | 22.40   | 22.42 | 22.22 | 23.00 |
|         |        | 1       | 0       | 22.53   | 22.51 | 22.45 | 23.00 |
|         |        | 1       | 7       | 22.54   | 22.75 | 22.51 | 23.00 |
|         |        | 1       | 14      | 22.56   | 22.46 | 22.48 | 23.00 |
|         |        | 8       | 0       | 21.31   | 21.59 | 21.14 | 22.00 |
|         |        | 8       | 4       | 21.44   | 21.77 | 21.40 | 22.00 |
|         | 64QAM  | 8       | 7       | 21.44   | 21.65 | 21.53 | 22.00 |
|         |        | 15      | 0       | 21.46   | 21.51 | 21.41 | 22.00 |
|         |        | 1       | 0       | 21.17   | 21.56 | 21.28 | 22.00 |
|         |        | 1       | 7       | 21.27   | 21.51 | 21.53 | 22.00 |
|         |        | 1       | 14      | 21.57   | 21.62 | 21.39 | 22.00 |
|         |        | 8       | 0       | 20.43   | 20.41 | 20.48 | 21.00 |
|         | 256QAM | 8       | 4       | 20.66   | 20.32 | 20.24 | 21.00 |
|         |        | 8       | 7       | 20.53   | 20.52 | 20.49 | 21.00 |
|         |        | 15      | 0       | 20.66   | 20.50 | 20.29 | 21.00 |
|         |        | 1       | 0       | 18.32   | 18.38 | 18.38 | 19.00 |
|         |        | 1       | 7       | 18.27   | 18.47 | 18.18 | 19.00 |
|         |        | 1       | 14      | 18.46   | 18.43 | 18.26 | 19.00 |
|         |        | 8       | 0       | 18.29   | 18.68 | 18.34 | 19.00 |
|         |        | 8       | 4       | 18.32   | 18.53 | 18.25 | 19.00 |
|         |        | 8       | 7       | 18.47   | 18.46 | 18.45 | 19.00 |
|         |        | 15      | 0       | 18.51   | 18.58 | 18.26 | 19.00 |
| Channel |        | Channel | Channel | Tune up |       |       |       |
| 131997  |        | 132322  | 132647  |         |       |       |       |

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 131997  | 132322  | 132647  |         |

|      |        |         |         |         |         |       |       |
|------|--------|---------|---------|---------|---------|-------|-------|
| 5MHz | QPSK   | 1       | 0       | 23.46   | 23.47   | 23.47 | 24.00 |
|      |        | 1       | 13      | 23.35   | 23.53   | 23.42 | 24.00 |
|      |        | 1       | 24      | 23.40   | 23.50   | 23.52 | 24.00 |
|      |        | 12      | 0       | 22.39   | 22.47   | 22.49 | 23.00 |
|      |        | 12      | 6       | 22.26   | 22.64   | 22.33 | 23.00 |
|      |        | 12      | 13      | 22.34   | 22.49   | 22.52 | 23.00 |
|      | 16QAM  | 25      | 0       | 22.45   | 22.35   | 22.31 | 23.00 |
|      |        | 1       | 0       | 22.57   | 22.55   | 22.45 | 23.00 |
|      |        | 1       | 13      | 22.51   | 22.66   | 22.61 | 23.00 |
|      |        | 1       | 24      | 22.61   | 22.49   | 22.50 | 23.00 |
|      |        | 12      | 0       | 21.34   | 21.54   | 21.19 | 22.00 |
|      |        | 12      | 6       | 21.41   | 21.75   | 21.31 | 22.00 |
|      | 64QAM  | 12      | 13      | 21.39   | 21.60   | 21.56 | 22.00 |
|      |        | 25      | 0       | 21.44   | 21.60   | 21.45 | 22.00 |
|      |        | 1       | 0       | 21.27   | 21.56   | 21.32 | 22.00 |
|      |        | 1       | 13      | 21.24   | 21.53   | 21.47 | 22.00 |
|      |        | 1       | 24      | 21.65   | 21.52   | 21.33 | 22.00 |
|      |        | Channel | Channel | Channel | Tune up |       |       |
|      | 131997 | 132322  | 132647  |         |         |       |       |

|           | 256QAM     | 12      | 0         | 20.48   | 20.40   | 20.49   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 6         | 20.62   | 20.38   | 20.26   | 21.00   |
|           |            | 12      | 13        | 20.53   | 20.49   | 20.39   | 21.00   |
|           |            | 25      | 0         | 20.61   | 20.57   | 20.23   | 21.00   |
|           |            | 1       | 0         | 18.36   | 18.44   | 18.37   | 19.00   |
|           |            | 1       | 13        | 18.34   | 18.50   | 18.10   | 19.00   |
|           |            | 1       | 24        | 18.55   | 18.38   | 18.29   | 19.00   |
|           |            | 12      | 0         | 18.32   | 18.58   | 18.36   | 19.00   |
|           |            | 12      | 6         | 18.42   | 18.57   | 18.35   | 19.00   |
|           |            | 12      | 13        | 18.43   | 18.53   | 18.44   | 19.00   |
|           |            | 25      | 0         | 18.49   | 18.49   | 18.29   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 132022  | 132322  | 132622  |         |
| 10MHz     | QPSK       | 1       | 0         | 23.34   | 23.38   | 23.32   | 24.00   |
|           |            | 1       | 25        | 23.07   | 23.42   | 23.24   | 24.00   |
|           |            | 1       | 49        | 23.23   | 23.39   | 23.34   | 24.00   |
|           |            | 25      | 0         | 22.26   | 22.29   | 22.36   | 23.00   |
|           |            | 25      | 13        | 22.22   | 22.35   | 22.08   | 23.00   |
|           |            | 25      | 25        | 22.24   | 22.45   | 22.23   | 23.00   |
|           | 16QAM      | 50      | 0         | 22.15   | 22.18   | 22.12   | 23.00   |
|           |            | 1       | 0         | 22.36   | 22.32   | 22.30   | 23.00   |
|           |            | 1       | 25        | 22.26   | 22.42   | 22.32   | 23.00   |
|           |            | 1       | 49        | 22.29   | 22.38   | 22.17   | 23.00   |
|           |            | 25      | 0         | 21.04   | 21.38   | 21.05   | 22.00   |
|           |            | 25      | 13        | 21.23   | 21.51   | 21.05   | 22.00   |
|           | 64QAM      | 25      | 25        | 21.16   | 21.34   | 21.44   | 22.00   |
|           |            | 50      | 0         | 21.26   | 21.31   | 21.26   | 22.00   |
|           |            | 1       | 0         | 21.15   | 21.26   | 21.27   | 22.00   |
|           |            | 1       | 25        | 21.14   | 21.39   | 21.23   | 22.00   |
|           |            | 1       | 49        | 21.37   | 21.33   | 21.23   | 22.00   |
|           |            | 25      | 0         | 20.45   | 20.33   | 20.21   | 21.00   |
|           | 256QAM     | 25      | 13        | 20.42   | 20.31   | 20.20   | 21.00   |
|           |            | 25      | 25        | 20.36   | 20.39   | 20.21   | 21.00   |
|           |            | 50      | 0         | 20.38   | 20.26   | 20.06   | 21.00   |
|           |            | 1       | 0         | 18.18   | 18.37   | 18.22   | 19.00   |
|           |            | 1       | 25        | 18.21   | 18.33   | 18.03   | 19.00   |
|           |            | 1       | 49        | 18.30   | 18.26   | 18.21   | 19.00   |
| 15MHz     | QPSK       | 25      | 0         | 18.24   | 18.43   | 18.31   | 19.00   |
|           |            | 25      | 13        | 18.27   | 18.38   | 18.19   | 19.00   |
|           |            | 25      | 25        | 18.22   | 18.41   | 18.15   | 19.00   |
|           |            | 50      | 0         | 18.23   | 18.29   | 18.06   | 19.00   |
|           | 16QAM      | 1       | 0         | 23.43   | 23.47   | 23.37   | 24.00   |
|           |            | 1       | 38        | 23.34   | 23.61   | 23.42   | 24.00   |
|           |            | 1       | 74        | 23.42   | 23.56   | 23.40   | 24.00   |
|           |            | 36      | 0         | 22.41   | 22.50   | 22.47   | 23.00   |
|           |            | 36      | 18        | 22.41   | 22.49   | 22.31   | 23.00   |
|           |            | 36      | 39        | 22.32   | 22.52   | 22.37   | 23.00   |
|           | 64QAM      | 75      | 0         | 22.35   | 22.41   | 22.39   | 23.00   |
|           |            | 1       | 0         | 22.38   | 22.52   | 22.40   | 23.00   |
|           |            | 1       | 38        | 22.45   | 22.56   | 22.48   | 23.00   |
|           |            | 1       | 74        | 22.47   | 22.56   | 22.39   | 23.00   |
|           |            | 36      | 0         | 21.33   | 21.54   | 21.34   | 22.00   |
|           |            | 36      | 18        | 21.43   | 21.60   | 21.28   | 22.00   |
|           | 256QAM     | 36      | 39        | 21.37   | 21.49   | 21.46   | 22.00   |
|           |            | 75      | 0         | 21.34   | 21.43   | 21.49   | 22.00   |
|           |            | 1       | 0         | 21.31   | 21.51   | 21.30   | 22.00   |
|           |            | 1       | 38        | 21.30   | 21.46   | 21.33   | 22.00   |
|           |            | 1       | 74        | 21.46   | 21.55   | 21.30   | 22.00   |
|           |            | 36      | 0         | 20.45   | 20.49   | 20.37   | 21.00   |
|           | 256QAM     | 36      | 18        | 20.46   | 20.43   | 20.28   | 21.00   |
|           |            | 36      | 39        | 20.47   | 20.61   | 20.40   | 21.00   |
|           |            | 75      | 0         | 20.47   | 20.55   | 20.32   | 21.00   |
|           |            | 1       | 0         | 18.33   | 18.58   | 18.43   | 19.00   |
|           |            | 1       | 38        | 18.37   | 18.58   | 18.29   | 19.00   |
|           |            | 1       | 74        | 18.43   | 18.50   | 18.40   | 19.00   |
|           |            | 36      | 0         | 18.46   | 18.60   | 18.43   | 19.00   |
|           |            | 36      | 18        | 18.46   | 18.59   | 18.33   | 19.00   |
|           |            | 36      | 39        | 18.44   | 18.61   | 18.41   | 19.00   |
|           |            | 36      | 39        | 18.44   | 18.61   | 18.41   | 19.00   |

| Bandwidth | Modulation | 75      | 0         | 18.32   | 18.50   | 18.36   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 132072  | 132322  | 132572  | 24.00   |
|           |            | 1       | 50        | 23.40   | 23.56   | 23.44   | 24.00   |
|           |            | 1       | 99        | 23.38   | 23.52   | 23.37   | 24.00   |
|           |            | 50      | 0         | 23.35   | 23.49   | 23.42   | 24.00   |
|           |            | 50      | 25        | 22.36   | 22.56   | 22.38   | 23.00   |
|           |            | 50      | 50        | 22.35   | 22.50   | 22.37   | 23.00   |
|           |            | 100     | 0         | 22.38   | 22.51   | 22.41   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.39   | 22.51   | 22.40   | 23.00   |
|           |            | 1       | 50        | 22.39   | 22.55   | 22.45   | 23.00   |
|           |            | 1       | 99        | 22.37   | 22.52   | 22.39   | 23.00   |
|           |            | 50      | 0         | 22.42   | 22.57   | 22.44   | 23.00   |
|           |            | 50      | 25        | 21.36   | 21.51   | 21.38   | 22.00   |
|           |            | 50      | 50        | 21.36   | 21.50   | 21.33   | 22.00   |
|           |            | 100     | 0         | 21.31   | 21.49   | 21.38   | 22.00   |
|           | 64QAM      | 1       | 0         | 21.43   | 21.50   | 21.42   | 22.00   |
|           |            | 1       | 50        | 21.37   | 21.49   | 21.38   | 22.00   |
|           |            | 1       | 99        | 21.35   | 21.48   | 21.40   | 22.00   |
|           |            | 50      | 0         | 21.40   | 21.50   | 21.39   | 22.00   |
|           |            | 50      | 25        | 20.43   | 20.52   | 20.41   | 21.00   |
|           |            | 50      | 50        | 20.36   | 20.51   | 20.38   | 21.00   |
|           |            | 100     | 0         | 20.42   | 20.54   | 20.39   | 21.00   |
|           | 256QAM     | 1       | 0         | 20.39   | 20.49   | 20.39   | 21.00   |
|           |            | 1       | 50        | 18.39   | 18.52   | 18.39   | 19.00   |
|           |            | 1       | 99        | 18.38   | 18.48   | 18.37   | 19.00   |
|           |            | 50      | 0         | 18.34   | 18.50   | 18.37   | 19.00   |
|           |            | 50      | 25        | 18.38   | 18.53   | 18.40   | 19.00   |
|           |            | 50      | 50        | 18.36   | 18.52   | 18.36   | 19.00   |
|           |            | 100     | 0         | 18.41   | 18.56   | 18.41   | 19.00   |
|           |            | 100     | 0         | 18.33   | 18.50   | 18.38   | 19.00   |

| LTE Band 66 Receiver on |            |         |           | Conducted Power(dBm) |         |         |         |
|-------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                         |            |         |           | 131979               | 132322  | 132665  |         |
| 1.4MHz                  | QPSK       | 1       | 0         | 22.26                | 22.84   | 22.24   | 23.00   |
|                         |            | 1       | 2         | 22.09                | 22.20   | 21.91   | 23.00   |
|                         |            | 1       | 5         | 22.26                | 22.36   | 22.13   | 23.00   |
|                         |            | 3       | 0         | 22.49                | 22.27   | 22.11   | 23.00   |
|                         |            | 3       | 1         | 22.02                | 22.30   | 22.40   | 23.00   |
|                         |            | 3       | 3         | 22.24                | 22.43   | 22.17   | 23.00   |
|                         |            | 6       | 0         | 22.24                | 22.50   | 22.06   | 23.00   |
|                         | 16QAM      | 1       | 0         | 22.32                | 22.52   | 22.15   | 23.00   |
|                         |            | 1       | 2         | 22.33                | 22.24   | 22.28   | 23.00   |
|                         |            | 1       | 5         | 22.22                | 22.52   | 22.30   | 23.00   |
|                         |            | 3       | 0         | 22.02                | 22.31   | 22.33   | 23.00   |
|                         |            | 3       | 1         | 22.17                | 22.21   | 22.25   | 23.00   |
|                         |            | 3       | 3         | 22.29                | 22.33   | 22.31   | 23.00   |
|                         |            | 6       | 0         | 21.37                | 21.15   | 21.20   | 22.00   |
|                         | 64QAM      | 1       | 0         | 21.19                | 21.35   | 21.39   | 22.00   |
|                         |            | 1       | 2         | 21.34                | 21.58   | 21.26   | 22.00   |
|                         |            | 1       | 5         | 21.23                | 21.08   | 21.33   | 22.00   |
|                         |            | 3       | 0         | 21.36                | 21.33   | 21.18   | 22.00   |
|                         |            | 3       | 1         | 21.40                | 21.25   | 21.13   | 22.00   |
|                         |            | 3       | 3         | 21.50                | 21.22   | 21.40   | 22.00   |
|                         |            | 6       | 0         | 20.21                | 20.20   | 20.42   | 21.00   |
|                         | 256QAM     | 1       | 0         | 18.26                | 18.18   | 18.18   | 19.00   |
|                         |            | 1       | 2         | 18.41                | 18.11   | 18.30   | 19.00   |
|                         |            | 1       | 5         | 18.11                | 18.30   | 18.35   | 19.00   |
|                         |            | 3       | 0         | 18.40                | 18.21   | 18.24   | 19.00   |
|                         |            | 3       | 1         | 18.17                | 18.39   | 18.27   | 19.00   |
|                         |            | 3       | 3         | 18.40                | 18.50   | 17.94   | 19.00   |
|                         |            | 6       | 0         | 18.18                | 18.08   | 18.35   | 19.00   |
| Bandwidth               | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                    | QPSK       | 1       | 0         | 131987               | 132322  | 132657  | 23.00   |
|                         |            | 1       | 7         | 22.28                | 22.76   | 22.19   | 23.00   |
|                         |            | 1       | 14        | 22.15                | 22.27   | 22.00   | 23.00   |

|           |            | 8       | 0         | 22.43   | 22.35   | 22.02   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 4         | 22.09   | 22.25   | 22.31   | 23.00   |
|           |            | 8       | 7         | 22.16   | 22.44   | 22.08   | 23.00   |
|           |            | 15      | 0         | 22.16   | 22.55   | 22.12   | 23.00   |
|           | 16QAM      | 1       | 0         | 22.30   | 22.44   | 22.23   | 23.00   |
|           |            | 1       | 7         | 22.29   | 22.30   | 22.20   | 23.00   |
|           |            | 1       | 14        | 22.15   | 22.49   | 22.29   | 23.00   |
|           |            | 8       | 0         | 20.99   | 21.24   | 21.28   | 22.00   |
|           |            | 8       | 4         | 21.08   | 21.28   | 21.22   | 22.00   |
|           |            | 8       | 7         | 21.25   | 21.25   | 21.25   | 22.00   |
|           |            | 15      | 0         | 21.28   | 21.06   | 21.26   | 22.00   |
|           |            | 1       | 0         | 21.12   | 21.33   | 21.32   | 22.00   |
|           | 64QAM      | 1       | 7         | 21.38   | 21.58   | 21.34   | 22.00   |
|           |            | 1       | 14        | 21.23   | 21.15   | 21.37   | 22.00   |
|           |            | 8       | 0         | 20.31   | 20.34   | 20.19   | 21.00   |
|           |            | 8       | 4         | 20.39   | 20.28   | 20.14   | 21.00   |
|           |            | 8       | 7         | 20.48   | 20.15   | 20.39   | 21.00   |
|           |            | 15      | 0         | 20.20   | 20.29   | 20.51   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.16   | 18.24   | 18.22   | 19.00   |
|           |            | 1       | 7         | 18.37   | 18.10   | 18.20   | 19.00   |
|           |            | 1       | 14        | 18.21   | 18.25   | 18.29   | 19.00   |
|           |            | 8       | 0         | 18.40   | 18.23   | 18.32   | 19.00   |
|           |            | 8       | 4         | 18.22   | 18.43   | 18.23   | 19.00   |
|           |            | 8       | 7         | 18.33   | 18.45   | 17.96   | 19.00   |
|           |            | 15      | 0         | 18.17   | 18.14   | 18.29   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 131997  | 132322  | 132647  |         |
|           |            | 1       | 13        | 22.30   | 22.67   | 22.25   | 23.00   |
|           |            | 1       | 24        | 22.14   | 22.32   | 22.00   | 23.00   |
|           |            | 1       | 24        | 22.12   | 22.32   | 22.24   | 23.00   |
|           |            | 12      | 0         | 22.36   | 22.28   | 22.10   | 23.00   |
|           |            | 12      | 6         | 22.10   | 22.34   | 22.28   | 23.00   |
|           | 16QAM      | 12      | 13        | 22.21   | 22.36   | 22.00   | 23.00   |
|           |            | 25      | 0         | 22.20   | 22.46   | 22.20   | 23.00   |
|           |            | 1       | 0         | 22.37   | 22.48   | 22.23   | 23.00   |
|           |            | 1       | 13        | 22.19   | 22.23   | 22.28   | 23.00   |
|           |            | 1       | 24        | 22.22   | 22.49   | 22.31   | 23.00   |
|           |            | 12      | 0         | 20.95   | 21.32   | 21.33   | 22.00   |
|           | 64QAM      | 12      | 6         | 21.06   | 21.33   | 21.19   | 22.00   |
|           |            | 12      | 13        | 21.20   | 21.27   | 21.33   | 22.00   |
|           |            | 25      | 0         | 21.27   | 21.16   | 21.33   | 22.00   |
|           |            | 1       | 0         | 21.11   | 21.34   | 21.32   | 22.00   |
|           |            | 1       | 13        | 21.35   | 21.60   | 21.33   | 22.00   |
|           |            | 1       | 24        | 21.14   | 21.25   | 21.40   | 22.00   |
|           | 256QAM     | 12      | 0         | 20.21   | 20.29   | 20.14   | 21.00   |
|           |            | 12      | 6         | 20.34   | 20.28   | 20.16   | 21.00   |
|           |            | 12      | 13        | 20.42   | 20.23   | 20.35   | 21.00   |
|           |            | 25      | 0         | 20.24   | 20.21   | 20.50   | 21.00   |
|           |            | 1       | 0         | 18.14   | 18.31   | 18.23   | 19.00   |
|           |            | 1       | 13        | 18.29   | 18.15   | 18.23   | 19.00   |
|           |            | 1       | 24        | 18.18   | 18.22   | 18.33   | 19.00   |
|           |            | 12      | 0         | 18.35   | 18.22   | 18.24   | 19.00   |
|           |            | 12      | 6         | 18.28   | 18.47   | 18.21   | 19.00   |
|           |            | 12      | 13        | 18.28   | 18.44   | 18.05   | 19.00   |
|           |            | 25      | 0         | 18.08   | 18.16   | 18.27   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 132022  | 132322  | 132622  |         |
|           |            | 1       | 25        | 22.28   | 22.69   | 22.28   | 23.00   |
|           |            | 1       | 49        | 22.14   | 22.30   | 22.10   | 23.00   |
|           |            | 1       | 49        | 22.12   | 22.27   | 22.19   | 23.00   |
|           |            | 25      | 0         | 22.31   | 22.23   | 22.06   | 23.00   |
|           |            | 25      | 13        | 22.14   | 22.29   | 22.18   | 23.00   |
|           |            | 25      | 25        | 22.15   | 22.42   | 22.04   | 23.00   |
|           | 16QAM      | 50      | 0         | 22.12   | 22.44   | 22.30   | 23.00   |
|           |            | 1       | 0         | 22.40   | 22.40   | 22.16   | 23.00   |
|           |            | 1       | 25        | 22.25   | 22.33   | 22.34   | 23.00   |
|           |            | 1       | 49        | 22.14   | 22.51   | 22.25   | 23.00   |
|           |            | 25      | 0         | 21.04   | 21.32   | 21.26   | 22.00   |
|           |            | 25      | 13        | 21.01   | 21.37   | 21.28   | 22.00   |
|           |            | 25      | 25        | 21.17   | 21.20   | 21.25   | 22.00   |