**LTE band 71 (15 ㎒ - QPSK)**

| Frequency (㎒) | Measured Level (dBμV) | Ant. Pol. | AF (dB/m) | AMP+CL (dB) | E (dBμV/m) | CF (dB) | E.R.P. (dB m) | Limit (dB m) | Margin (dB) |
|---|---|---|---|---|---|---|---|---|---|
| Low Channel (670.5 ㎒) | | | | | | | | | |
| 1 327.94 | 69.69 | H | 24.77 | -39.28 | 55.18 | -97.41 | **-42.23** | -13 | 29.23 |
| 1 327.94 | 67.89 | V | 24.77 | -39.28 | 53.38 | -97.41 | -44.03 | -13 | 31.03 |
| 2 655.72 | 45.89 | V | 29.99 | -36.77 | 39.11 | -97.41 | -58.30 | -13 | 45.30 |
| 4 999.94 | 43.34 | V | 34.80 | -35.26 | 42.88 | -97.41 | -54.53 | -13 | 41.53 |
| Above 2 700.00 | Not detected | – | – | – | – | – | – | – | – |
| Middle Channel (680.5 ㎒) | | | | | | | | | |
| 1 347.91 | 65.75 | H | 24.89 | -39.37 | 51.27 | -97.41 | -46.14 | -13 | 33.14 |
| 1 347.63 | 64.92 | V | 24.89 | -39.37 | 50.44 | -97.41 | -46.97 | -13 | 33.97 |
| 1 625.50 | 49.30 | H | 26.60 | -38.61 | 37.29 | -97.41 | -60.12 | -13 | 47.12 |
| 1 625.78 | 48.77 | V | 26.60 | -38.61 | 36.76 | -97.41 | -60.65 | -13 | 47.65 |
| 2 695.38 | 46.97 | V | 29.91 | -36.92 | 39.96 | -97.41 | -57.45 | -13 | 44.45 |
| 3 369.53 | 45.16 | H | 32.10 | -36.96 | 40.30 | -97.41 | -57.11 | -13 | 44.11 |
| 3 879.44 | 43.81 | V | 33.40 | -36.09 | 41.12 | -97.41 | -56.29 | -13 | 43.29 |
| 4 133.97 | 43.47 | V | 33.67 | -36.17 | 40.97 | -97.41 | -56.44 | -13 | 43.44 |
| 5 000.22 | 43.66 | V | 34.80 | -35.26 | 43.20 | -97.41 | -54.21 | -13 | 41.21 |
| Above 5 100.00 | Not detected | – | – | – | – | – | – | – | – |
| High Channel (690.5 ㎒) | | | | | | | | | |
| 1 367.88 | 66.22 | H | 24.97 | -39.23 | 51.96 | -97.41 | -45.45 | -13 | 32.45 |
| 1 367.88 | 67.17 | V | 24.97 | -39.23 | 52.91 | -97.41 | -44.50 | -13 | 31.50 |
| 1 624.94 | 49.57 | H | 26.60 | -38.61 | 37.56 | -97.41 | -59.85 | -13 | 46.85 |
| 1 624.94 | 47.27 | V | 26.60 | -38.61 | 35.26 | -97.41 | -62.15 | -13 | 49.15 |
| 2 051.59 | 52.00 | H | 28.40 | -37.56 | 42.84 | -97.41 | -54.57 | -13 | 41.57 |
| 2 125.56 | 47.15 | V | 28.40 | -37.02 | 38.53 | -97.41 | -58.88 | -13 | 45.88 |
| 2 735.59 | 53.05 | H | 29.90 | -36.87 | 46.08 | -97.41 | -51.33 | -13 | 38.33 |
| 2 735.59 | 54.40 | V | 29.90 | -36.87 | 47.43 | -97.41 | -49.98 | -13 | 36.98 |
| 3 419.31 | 49.29 | V | 32.18 | -36.94 | 44.53 | -97.41 | -52.88 | -13 | 39.88 |
| 5 000.22 | 43.48 | V | 34.80 | -35.26 | 43.02 | -97.41 | -54.39 | -13 | 41.39 |
| Above 5 100.00 | Not detected | – | – | – | – | – | – | – | – |

**Remark;**

1. AF = Antenna Factor, CL = Cable Loss, CF = Conversion Factor.
2. E (dBμV/m) = Measured Level (dBμV) + Antenna Factor (dB/m) + AMP (dB) + Cable Loss (dB).
3. E.I.R.P. (dB m) = E (dBμV/m) + CF (dB).
4. E.R.P. (dB m) = E (dBμV/m) + CF (dB) - 2.15 (dB); where E.R.P. and E.I.R.P. are expressed in consistent units.
5. CF (dB) = 20 log D - 104.8; where D is the measurement distance in meters, According to KDB 971168 D01 v03r01 5.8.4.
6. The frequency spectrum is examined from 9 kHz to the 10th harmonic of the fundamental frequency of the transmitter. No other spurious and harmonic emissions were reported greater than listed emissions above table.

# 3. Conducted Output Power

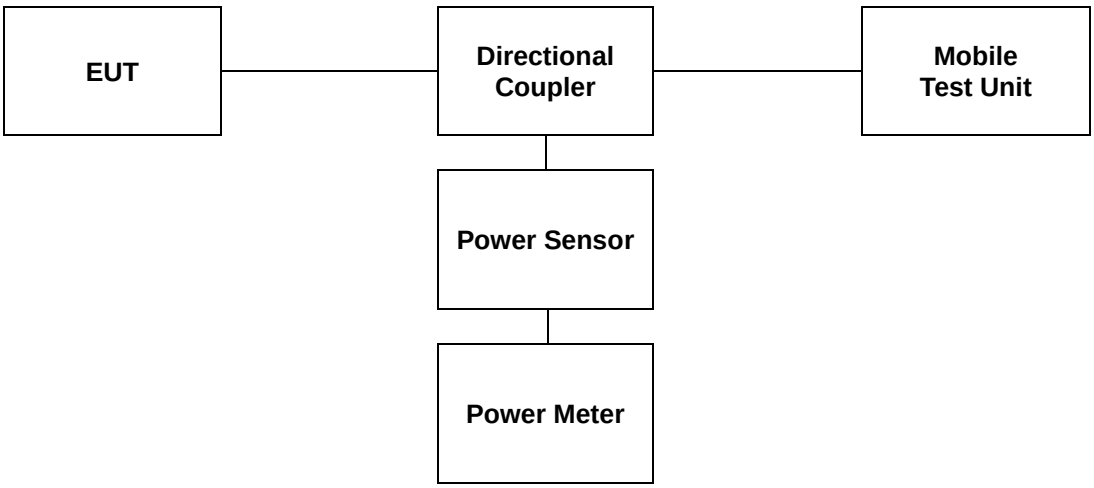
## 3.1. Limit

CFR 47, Section FCC §2.1046 and IC RSS-Gen Issue 5 6.12.

## 3.2. Test Procedure

Output power shall be measured at the RF output terminals for all configurations.

1. The RF output of the transmitter was connected to the input of the mobile test unit in order to establish communication with the EUT.
2. The EUT was set up for the max. output power with pseudo random data modulation by using mobile test unit parameters.
3. The measurement performed using a wideband RF power meter.
4. This EUT was tested under all configurations and the highest power was investigated and reported.



## 3.3. Test Result

Ambient temperature : (23 ± 1) ℃

Relative humidity : 47 % R.H.

| LTE Band 7 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 20775 (2 502.5 ㎒) | | 21100 (2 535.0 ㎒) | | 21425 (2 567.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 22.19 | 0.166 | 22.34 | 0.171 | **22.47** | **0.177** |
| | | 1 | 12 | 22.22 | 0.167 | 22.36 | 0.172 | 22.44 | 0.175 |
| | | 1 | 24 | 22.21 | 0.166 | 22.35 | 0.172 | 22.45 | 0.176 |
| | | 12 | 0 | 21.26 | 0.134 | 21.63 | 0.146 | 21.46 | 0.140 |
| | | 12 | 6 | 21.43 | 0.139 | 21.63 | 0.146 | 21.59 | 0.144 |
| | | 12 | 13 | 21.37 | 0.137 | 21.66 | 0.147 | 21.63 | 0.146 |
| | | 25 | 0 | 21.35 | 0.136 | 21.64 | 0.146 | 21.46 | 0.140 |
| | 16QAM | 1 | 0 | 21.36 | 0.137 | 21.64 | 0.146 | 21.76 | 0.150 |
| | | 1 | 12 | 21.43 | 0.139 | 21.69 | 0.148 | 21.79 | 0.151 |
| | | 1 | 24 | 21.47 | 0.140 | 21.67 | 0.147 | **21.89** | **0.155** |
| | | 12 | 0 | 20.30 | 0.107 | 20.66 | 0.116 | 20.80 | 0.120 |
| | | 12 | 6 | 20.40 | 0.110 | 20.66 | 0.116 | 20.97 | 0.125 |
| | | 12 | 13 | 20.37 | 0.109 | 20.64 | 0.116 | 20.86 | 0.122 |
| | | 25 | 0 | 20.35 | 0.108 | 20.65 | 0.116 | 20.81 | 0.121 |
| | 64QAM | 1 | 0 | 20.39 | 0.109 | 20.67 | 0.117 | 20.82 | 0.121 |
| | | 1 | 12 | 20.42 | 0.110 | 20.70 | 0.117 | **20.84** | **0.121** |
| | | 1 | 24 | 20.46 | 0.111 | 20.67 | 0.117 | 20.78 | 0.120 |
| | | 12 | 0 | 19.36 | 0.086 | 19.63 | 0.092 | 19.76 | 0.095 |
| | | 12 | 6 | 19.42 | 0.087 | 19.62 | 0.092 | 19.85 | 0.097 |
| | | 12 | 13 | 19.41 | 0.087 | 19.63 | 0.092 | 19.85 | 0.097 |
| | | 25 | 0 | 19.39 | 0.087 | 19.63 | 0.092 | 19.80 | 0.095 |

| LTE Band 7 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 20800 (2 505.0 ㎒) | | 21100 (2 535.0 ㎒) | | 21400 (2 565.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 10 | QPSK | 1 | 0 | 22.23 | 0.167 | **22.81** | **0.191** | 22.54 | 0.179 |
| | | 1 | 25 | 22.09 | 0.162 | 22.67 | 0.185 | 22.47 | 0.177 |
| | | 1 | 49 | 22.05 | 0.160 | 22.66 | 0.185 | 22.46 | 0.176 |
| | | 25 | 0 | 22.24 | 0.167 | 21.93 | 0.156 | 21.61 | 0.145 |
| | | 25 | 12 | 22.29 | 0.169 | 21.89 | 0.155 | 21.62 | 0.145 |
| | | 25 | 25 | 22.26 | 0.168 | 21.85 | 0.153 | 21.66 | 0.147 |
| | | 50 | 0 | 21.34 | 0.136 | 21.87 | 0.154 | 21.63 | 0.146 |
| | 16QAM | 1 | 0 | 21.39 | 0.138 | **22.01** | **0.159** | 21.82 | 0.152 |
| | | 1 | 25 | 21.37 | 0.137 | 22.00 | 0.158 | 21.79 | 0.151 |
| | | 1 | 49 | 21.27 | 0.134 | 21.84 | 0.153 | 21.77 | 0.150 |
| | | 25 | 0 | 21.25 | 0.133 | 20.91 | 0.123 | 20.66 | 0.116 |
| | | 25 | 12 | 21.24 | 0.133 | 20.87 | 0.122 | 20.66 | 0.116 |
| | | 25 | 25 | 21.25 | 0.133 | 20.88 | 0.122 | 20.65 | 0.116 |
| | | 50 | 0 | 20.31 | 0.107 | 20.86 | 0.122 | 20.65 | 0.116 |
| | 64QAM | 1 | 0 | 20.35 | 0.108 | **20.93** | **0.124** | 20.88 | 0.122 |
| | | 1 | 25 | 20.30 | 0.107 | 20.89 | 0.123 | 20.80 | 0.120 |
| | | 1 | 49 | 20.37 | 0.109 | 20.89 | 0.123 | 20.82 | 0.121 |
| | | 25 | 0 | 20.25 | 0.106 | 19.90 | 0.098 | 19.67 | 0.093 |
| | | 25 | 12 | 20.29 | 0.107 | 19.85 | 0.097 | 19.69 | 0.093 |
| | | 25 | 25 | 20.34 | 0.108 | 19.87 | 0.097 | 19.69 | 0.093 |
| | | 50 | 0 | 19.34 | 0.086 | 19.90 | 0.098 | 19.67 | 0.093 |

| LTE Band 7 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 20825 (2 507.5 ㎒) | | 21100 (2 535.0 ㎒) | | 21375 (2 562.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 15 | QPSK | 1 | 0 | 22.51 | 0.178 | 22.87 | 0.194 | **22.95** | **0.197** |
| | | 1 | 36 | 22.56 | 0.180 | 22.85 | 0.193 | 22.94 | 0.197 |
| | | 1 | 74 | 22.64 | 0.184 | 22.91 | 0.195 | 22.94 | 0.197 |
| | | 36 | 0 | 22.59 | 0.182 | 22.03 | 0.160 | 22.11 | 0.163 |
| | | 36 | 18 | 22.50 | 0.178 | 22.04 | 0.160 | 22.10 | 0.162 |
| | | 36 | 37 | 22.54 | 0.179 | 22.03 | 0.160 | 22.00 | 0.158 |
| | | 75 | 0 | 21.74 | 0.149 | 22.03 | 0.160 | 22.07 | 0.161 |
| | 16QAM | 1 | 0 | 21.67 | 0.147 | 21.59 | 0.144 | 21.51 | 0.142 |
| | | 1 | 36 | 21.61 | 0.145 | 21.51 | 0.142 | 21.46 | 0.140 |
| | | 1 | 74 | **21.87** | **0.154** | 21.46 | 0.140 | 21.48 | 0.141 |
| | | 36 | 0 | 21.59 | 0.144 | 21.12 | 0.129 | 21.12 | 0.129 |
| | | 36 | 18 | 21.50 | 0.141 | 21.03 | 0.127 | 21.10 | 0.129 |
| | | 36 | 37 | 21.57 | 0.144 | 21.03 | 0.127 | 21.03 | 0.127 |
| | | 75 | 0 | 20.66 | 0.116 | 21.02 | 0.126 | 21.09 | 0.129 |
| | 64QAM | 1 | 0 | 20.69 | 0.117 | 21.15 | 0.130 | **21.28** | **0.134** |
| | | 1 | 36 | 20.65 | 0.116 | 21.21 | 0.132 | 21.21 | 0.132 |
| | | 1 | 74 | 20.92 | 0.124 | 21.12 | 0.129 | 21.09 | 0.129 |
| | | 36 | 0 | 20.57 | 0.114 | 20.07 | 0.102 | 20.18 | 0.104 |
| | | 36 | 18 | 20.58 | 0.114 | 20.06 | 0.101 | 20.20 | 0.105 |
| | | 36 | 37 | 20.64 | 0.116 | 20.02 | 0.100 | 20.12 | 0.103 |
| | | 75 | 0 | 19.66 | 0.092 | 20.08 | 0.102 | 20.13 | 0.103 |

| LTE Band 7 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 20850 (2 510.0 ㎒) | | 21100 (2 535.0 ㎒) | | 21350 (2 560.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 20 | QPSK | 1 | 0 | 22.70 | 0.186 | 22.89 | 0.195 | **23.14** | **0.206** |
| | | 1 | 50 | 22.47 | 0.177 | 22.81 | 0.191 | 22.95 | 0.197 |
| | | 1 | 99 | 22.42 | 0.175 | 22.79 | 0.190 | 22.88 | 0.194 |
| | | 50 | 0 | 22.59 | 0.182 | 22.05 | 0.160 | 22.16 | 0.164 |
| | | 50 | 25 | 22.61 | 0.182 | 22.06 | 0.161 | 22.09 | 0.162 |
| | | 50 | 50 | 22.65 | 0.184 | 22.10 | 0.162 | 22.06 | 0.161 |
| | | 100 | 0 | 21.64 | 0.146 | 22.09 | 0.162 | 22.07 | 0.161 |
| | 16QAM | 1 | 0 | 21.73 | 0.149 | 22.29 | 0.169 | 22.14 | 0.164 |
| | | 1 | 50 | 21.68 | 0.147 | 22.21 | 0.166 | **22.34** | **0.171** |
| | | 1 | 99 | 21.71 | 0.148 | 22.05 | 0.160 | 22.19 | 0.166 |
| | | 50 | 0 | 21.48 | 0.141 | 21.09 | 0.129 | 21.16 | 0.131 |
| | | 50 | 25 | 21.67 | 0.147 | 21.11 | 0.129 | 21.07 | 0.128 |
| | | 50 | 50 | 21.56 | 0.143 | 21.00 | 0.126 | 21.13 | 0.130 |
| | | 100 | 0 | 20.62 | 0.115 | 21.09 | 0.129 | 21.13 | 0.130 |
| | 64QAM | 1 | 0 | 20.67 | 0.117 | 21.21 | 0.132 | **21.35** | **0.136** |
| | | 1 | 50 | 20.73 | 0.118 | 21.11 | 0.129 | 21.31 | 0.135 |
| | | 1 | 99 | 20.70 | 0.117 | 21.00 | 0.126 | 21.03 | 0.127 |
| | | 50 | 0 | 20.60 | 0.115 | 20.12 | 0.103 | 20.18 | 0.104 |
| | | 50 | 25 | 20.64 | 0.116 | 20.12 | 0.103 | 20.13 | 0.103 |
| | | 50 | 50 | 20.65 | 0.116 | 20.08 | 0.102 | 20.18 | 0.104 |
| | | 100 | 0 | 19.67 | 0.093 | 20.06 | 0.101 | 20.13 | 0.103 |

| LTE Band 12 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 23017 (699.7 ㎒) | | 23095 (707.5 ㎒) | | 23173 (715.3 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 1.4 | QPSK | 1 | 0 | 23.39 | 0. 218 | **23.53** | **0. 225** | 23.42 | 0. 220 |
| | | 1 | 3 | 23.51 | 0. 224 | 23.49 | 0. 223 | 23.39 | 0. 218 |
| | | 1 | 5 | 23.42 | 0. 220 | 23.51 | 0. 224 | 23.39 | 0. 218 |
| | | 3 | 0 | 23.50 | 0. 224 | 23.50 | 0. 224 | 23.38 | 0. 218 |
| | | 3 | 2 | 23.51 | 0. 224 | 23.52 | 0. 225 | 23.42 | 0. 220 |
| | | 3 | 3 | 23.48 | 0. 223 | 23.52 | 0. 225 | 23.44 | 0. 221 |
| | | 6 | 0 | 22.53 | 0. 179 | 23.48 | 0. 223 | 23.41 | 0. 219 |
| | 16QAM | 1 | 0 | 22.71 | 0. 187 | **22.82** | **0. 191** | 22.73 | 0. 187 |
| | | 1 | 3 | 22.81 | 0. 191 | 22.73 | 0. 187 | 22.70 | 0. 186 |
| | | 1 | 5 | 22.72 | 0. 187 | 22.73 | 0. 187 | 22.73 | 0. 187 |
| | | 3 | 0 | 22.59 | 0. 182 | 22.73 | 0. 187 | 22.71 | 0. 187 |
| | | 3 | 2 | 22.67 | 0. 185 | 22.69 | 0. 186 | 22.79 | 0. 190 |
| | | 3 | 3 | 22.55 | 0. 180 | 22.69 | 0. 186 | 22.79 | 0. 190 |
| | | 6 | 0 | 21.69 | 0. 148 | 22.72 | 0. 187 | 22.74 | 0. 188 |
| | 64QAM | 1 | 0 | 21.68 | 0. 147 | 21.71 | 0. 148 | 21.71 | 0. 148 |
| | | 1 | 3 | **21.72** | **0. 149** | 21.70 | 0. 148 | 21.69 | 0. 148 |
| | | 1 | 5 | 21.64 | 0. 146 | 21.64 | 0. 146 | 21.64 | 0. 146 |
| | | 3 | 0 | 21.63 | 0. 146 | 21.64 | 0. 146 | 21.62 | 0. 145 |
| | | 3 | 2 | 21.68 | 0. 147 | 21.65 | 0. 146 | 21.64 | 0. 146 |
| | | 3 | 3 | 21.69 | 0. 148 | 21.65 | 0. 146 | 21.65 | 0. 146 |
| | | 6 | 0 | 20.54 | 0. 113 | 20.64 | 0. 116 | 20.65 | 0. 116 |

| LTE Band 12 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 23025 (700.5 ㎒) | | 23095 (707.5 ㎒) | | 23165 (714.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 3 | QPSK | 1 | 0 | 23.27 | 0. 212 | 23.35 | 0. 216 | 23.06 | 0. 202 |
| | | 1 | 7 | 23.37 | 0. 217 | 23.42 | 0. 220 | 22.99 | 0. 199 |
| | | 1 | 14 | **23.43** | **0. 220** | 23.40 | 0. 219 | 23.02 | 0. 200 |
| | | 8 | 0 | 22.48 | 0. 177 | 22.58 | 0. 181 | 23.03 | 0. 201 |
| | | 8 | 4 | 22.56 | 0. 180 | 22.58 | 0. 181 | 23.04 | 0. 201 |
| | | 8 | 7 | 22.62 | 0. 183 | 22.56 | 0. 180 | 23.03 | 0. 201 |
| | | 15 | 0 | 22.58 | 0. 181 | 22.61 | 0. 182 | 23.04 | 0. 201 |
| | 16QAM | 1 | 0 | 22.66 | 0. 185 | 22.69 | 0. 186 | 22.71 | 0. 187 |
| | | 1 | 7 | 22.77 | 0. 189 | 22.77 | 0. 189 | **23.02** | **0. 200** |
| | | 1 | 14 | 22.87 | 0. 194 | 22.80 | 0. 191 | 23.00 | 0. 200 |
| | | 8 | 0 | 21.58 | 0. 144 | 21.62 | 0. 145 | 22.03 | 0. 160 |
| | | 8 | 4 | 21.60 | 0. 145 | 21.68 | 0. 147 | 22.02 | 0. 159 |
| | | 8 | 7 | 21.61 | 0. 145 | 21.70 | 0. 148 | 22.98 | 0. 199 |
| | | 15 | 0 | 21.64 | 0. 146 | 21.69 | 0. 148 | 21.65 | 0. 146 |
| | 64QAM | 1 | 0 | 21.60 | 0. 145 | 21.64 | 0. 146 | **21.99** | **0. 158** |
| | | 1 | 7 | 21.69 | 0. 148 | 21.69 | 0. 148 | 21.63 | 0. 146 |
| | | 1 | 14 | 21.69 | 0. 148 | 21.66 | 0. 147 | 21.67 | 0. 147 |
| | | 8 | 0 | 20.56 | 0. 114 | 20.63 | 0. 116 | 20.55 | 0. 114 |
| | | 8 | 4 | 20.64 | 0. 116 | 20.61 | 0. 115 | 20.64 | 0. 116 |
| | | 8 | 7 | 20.65 | 0. 116 | 20.71 | 0. 118 | 20.76 | 0. 119 |
| | | 15 | 0 | 20.67 | 0. 117 | 20.62 | 0. 115 | 20.63 | 0. 116 |

| LTE Band 12 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 23035 (701.5 ㎒) | | 23095 (707.5 ㎒) | | 23155 (713.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 23.60 | 0. 229 | **23.75** | **0. 237** | 23.57 | 0. 228 |
| | | 1 | 12 | 23.49 | 0. 223 | 23.67 | 0. 233 | 23.62 | 0. 230 |
| | | 1 | 24 | 23.50 | 0. 224 | 23.50 | 0. 224 | 23.49 | 0. 223 |
| | | 12 | 0 | 23.48 | 0. 223 | 23.55 | 0. 226 | 22.64 | 0. 184 |
| | | 12 | 6 | 23.46 | 0. 222 | 23.66 | 0. 232 | 22.69 | 0. 186 |
| | | 12 | 13 | 23.51 | 0. 224 | 23.62 | 0. 230 | 22.63 | 0. 183 |
| | | 25 | 0 | 23.47 | 0. 222 | 22.73 | 0. 187 | 22.63 | 0. 183 |
| | 16QAM | 1 | 0 | 22.70 | 0. 186 | 22.72 | 0. 187 | 22.85 | 0. 193 |
| | | 1 | 12 | 22.90 | 0. 195 | 22.95 | 0. 197 | 22.94 | 0. 197 |
| | | 1 | 24 | 22.84 | 0. 192 | **22.99** | **0. 199** | 22.77 | 0. 189 |
| | | 12 | 0 | 22.62 | 0. 183 | 22.63 | 0. 183 | 21.69 | 0. 148 |
| | | 12 | 6 | 22.62 | 0. 183 | 22.74 | 0. 188 | 21.77 | 0. 150 |
| | | 12 | 13 | 22.55 | 0. 180 | 22.75 | 0. 188 | 21.69 | 0. 148 |
| | | 25 | 0 | 22.70 | 0. 186 | 21.77 | 0. 150 | 21.50 | 0. 141 |
| | 64QAM | 1 | 0 | 21.75 | 0. 150 | 21.75 | 0. 150 | 21.93 | 0. 156 |
| | | 1 | 12 | 21.81 | 0. 152 | 21.95 | 0. 157 | 21.98 | 0. 158 |
| | | 1 | 24 | 21.83 | 0. 152 | **21.99** | **0. 158** | 21.78 | 0. 151 |
| | | 12 | 0 | 21.71 | 0. 148 | 21.65 | 0. 146 | 20.69 | 0. 117 |
| | | 12 | 6 | 21.56 | 0. 143 | 21.73 | 0. 149 | 20.75 | 0. 119 |
| | | 12 | 13 | 21.68 | 0. 147 | 21.77 | 0. 150 | 20.76 | 0. 119 |
| | | 25 | 0 | 20.59 | 0. 115 | 20.74 | 0. 119 | 20.68 | 0. 117 |

| LTE Band 12 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 23060 (704.0 ㎒) | | 23095 (707.5 ㎒) | | 23130 (711.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 10 | QPSK | 1 | 0 | 23.52 | 0. 225 | 23.54 | 0. 226 | **23.74** | **0. 237** |
| | | 1 | 25 | 23.49 | 0. 223 | 23.58 | 0. 228 | 23.56 | 0. 227 |
| | | 1 | 49 | 23.58 | 0. 228 | 23.70 | 0. 234 | 23.24 | 0. 211 |
| | | 25 | 0 | 23.48 | 0. 223 | 23.54 | 0. 226 | 23.62 | 0. 230 |
| | | 25 | 12 | 23.29 | 0. 213 | 23.69 | 0. 234 | 23.70 | 0. 234 |
| | | 25 | 25 | 23.43 | 0. 220 | 23.42 | 0. 220 | 23.65 | 0. 232 |
| | | 50 | 0 | 23.64 | 0. 231 | 22.78 | 0. 190 | 22.68 | 0. 185 |
| | 16QAM | 1 | 0 | 22.89 | 0. 195 | 22.89 | 0. 195 | 22.78 | 0. 190 |
| | | 1 | 25 | 22.78 | 0. 190 | 22.72 | 0. 187 | 22.84 | 0. 192 |
| | | 1 | 49 | 22.86 | 0. 193 | **22.96** | **0. 198** | 22.93 | 0. 196 |
| | | 25 | 0 | 22.64 | 0. 184 | 22.69 | 0. 186 | 22.72 | 0. 187 |
| | | 25 | 12 | 22.48 | 0. 177 | 22.82 | 0. 191 | 22.79 | 0. 190 |
| | | 25 | 25 | 22.51 | 0. 178 | 22.84 | 0. 192 | 22.73 | 0. 187 |
| | | 50 | 0 | 22.85 | 0. 193 | 21.84 | 0. 153 | 21.75 | 0. 150 |
| | 64QAM | 1 | 0 | 21.88 | 0. 154 | 21.81 | 0. 152 | 21.83 | 0. 152 |
| | | 1 | 25 | 21.66 | 0. 147 | 21.87 | 0. 154 | 21.85 | 0. 153 |
| | | 1 | 49 | **21.97** | **0. 157** | 21.82 | 0. 152 | 21.74 | 0. 149 |
| | | 25 | 0 | 21.58 | 0. 144 | 21.74 | 0. 149 | 21.75 | 0. 150 |
| | | 25 | 12 | 21.61 | 0. 145 | 21.88 | 0. 154 | 21.75 | 0. 150 |
| | | 25 | 25 | 21.56 | 0. 143 | 21.77 | 0. 150 | 21.81 | 0. 152 |
| | | 50 | 0 | 20.71 | 0. 118 | 20.78 | 0. 120 | 20.74 | 0. 119 |

| LTE Band 13 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 23205 (779.5 ㎒) | | 23230 (782.0 ㎒) | | 23255 (784.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | **23.71** | **0.235** | 23.55 | 0.226 | 23.25 | 0.211 |
| | | 1 | 12 | 23.62 | 0.230 | 23.56 | 0.227 | 23.24 | 0.211 |
| | | 1 | 24 | 23.58 | 0.228 | 23.55 | 0.226 | 23.25 | 0.211 |
| | | 12 | 0 | 22.74 | 0.188 | 22.72 | 0.187 | 23.21 | 0.209 |
| | | 12 | 6 | 22.79 | 0.190 | 22.73 | 0.187 | 23.23 | 0.210 |
| | | 12 | 13 | 22.68 | 0.185 | 22.73 | 0.187 | 23.22 | 0.210 |
| | | 25 | 0 | 22.78 | 0.190 | 22.73 | 0.187 | 23.20 | 0.209 |
| | 16QAM | 1 | 0 | 22.98 | 0.199 | 22.95 | 0.197 | 23.18 | 0.208 |
| | | 1 | 12 | 22.95 | 0.197 | 22.97 | 0.198 | 23.22 | 0.210 |
| | | 1 | 24 | 22.98 | 0.199 | 22.97 | 0.198 | 23.20 | 0.209 |
| | | 12 | 0 | 21.72 | 0.149 | 21.70 | 0.148 | **23.23** | **0.210** |
| | | 12 | 6 | 21.77 | 0.150 | 21.70 | 0.148 | 23.22 | 0.210 |
| | | 12 | 13 | 21.78 | 0.151 | 21.70 | 0.148 | 23.22 | 0.210 |
| | | 25 | 0 | 21.82 | 0.152 | 21.70 | 0.148 | 23.16 | 0.207 |
| | 64QAM | 1 | 0 | 21.87 | 0.154 | 21.82 | 0.152 | 23.17 | 0.207 |
| | | 1 | 12 | 21.91 | 0.155 | 21.86 | 0.153 | 23.18 | 0.208 |
| | | 1 | 24 | 21.81 | 0.152 | 21.88 | 0.154 | 23.22 | 0.210 |
| | | 12 | 0 | 20.76 | 0.119 | 20.73 | 0.118 | 23.20 | 0.209 |
| | | 12 | 6 | 20.81 | 0.121 | 20.73 | 0.118 | **23.24** | **0.211** |
| | | 12 | 13 | 20.83 | 0.121 | 20.73 | 0.118 | 23.22 | 0.210 |
| | | 25 | 0 | 20.85 | 0.122 | 20.74 | 0.119 | 23.20 | 0.209 |

| LTE Band 13 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | | | 23230 (782.0 ㎒) | | | |
| | | | | | | (dB m) | (W) | | |
| 10 | QPSK | 1 | 0 | - | - | 23.62 | 0.230 | - | - |
| | | 1 | 25 | - | - | 23.58 | 0.228 | - | - |
| | | 1 | 49 | - | - | **23.70** | **0.234** | - | - |
| | | 25 | 0 | - | - | 22.78 | 0.190 | - | - |
| | | 25 | 12 | - | - | 22.76 | 0.189 | - | - |
| | | 25 | 25 | - | - | 22.72 | 0.187 | - | - |
| | | 50 | 0 | - | - | 22.75 | 0.188 | - | - |
| | 16QAM | 1 | 0 | - | - | **23.01** | **0.200** | - | - |
| | | 1 | 25 | - | - | 22.97 | 0.198 | - | - |
| | | 1 | 49 | - | - | 22.78 | 0.190 | - | - |
| | | 25 | 0 | - | - | 21.76 | 0.150 | - | - |
| | | 25 | 12 | - | - | 21.78 | 0.151 | - | - |
| | | 25 | 25 | - | - | 21.73 | 0.149 | - | - |
| | | 50 | 0 | - | - | 21.79 | 0.151 | - | - |
| | 64QAM | 1 | 0 | - | - | 21.88 | 0.154 | - | - |
| | | 1 | 25 | - | - | **22.05** | **0.160** | - | - |
| | | 1 | 49 | - | - | 21.87 | 0.154 | - | - |
| | | 25 | 0 | - | - | 20.79 | 0.120 | - | - |
| | | 25 | 12 | - | - | 20.80 | 0.120 | - | - |
| | | 25 | 25 | - | - | 20.75 | 0.119 | - | - |
| | | 50 | 0 | - | - | 20.77 | 0.119 | - | - |

| LTE Band 14 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 23305 (790.5 ㎒) | | 23330 (793.0 ㎒) | | 23355 (795.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 22.85 | 0.193 | 22.84 | 0.192 | **22.87** | **0.194** |
| | | 1 | 12 | 22.84 | 0.192 | 22.78 | 0.190 | 22.85 | 0.193 |
| | | 1 | 24 | 22.83 | 0.192 | 22.83 | 0.192 | 22.85 | 0.193 |
| | | 12 | 0 | 21.97 | 0.157 | 21.95 | 0.157 | 21.97 | 0.157 |
| | | 12 | 6 | 22.04 | 0.160 | 21.93 | 0.156 | 21.99 | 0.158 |
| | | 12 | 13 | 22.01 | 0.159 | 21.97 | 0.157 | 22.01 | 0.159 |
| | | 25 | 0 | 21.97 | 0.157 | 21.93 | 0.156 | 21.99 | 0.158 |
| | 16QAM | 1 | 0 | **22.15** | **0.164** | 22.14 | 0.164 | 22.12 | 0.163 |
| | | 1 | 12 | 22.06 | 0.161 | 22.07 | 0.161 | 22.08 | 0.161 |
| | | 1 | 24 | 22.10 | 0.162 | 22.12 | 0.163 | 22.11 | 0.163 |
| | | 12 | 0 | 20.97 | 0.125 | 21.02 | 0.126 | 20.98 | 0.125 |
| | | 12 | 6 | 21.04 | 0.127 | 21.06 | 0.128 | 21.01 | 0.126 |
| | | 12 | 13 | 21.01 | 0.126 | 21.03 | 0.127 | 21.00 | 0.126 |
| | | 25 | 0 | 21.00 | 0.126 | 20.94 | 0.124 | 20.96 | 0.125 |
| | 64QAM | 1 | 0 | **21.13** | **0.130** | 21.02 | 0.126 | 21.12 | 0.129 |
| | | 1 | 12 | 21.07 | 0.128 | 21.02 | 0.126 | 21.10 | 0.129 |
| | | 1 | 24 | 21.12 | 0.129 | 21.04 | 0.127 | 21.05 | 0.127 |
| | | 12 | 0 | 20.03 | 0.101 | 20.05 | 0.101 | 20.12 | 0.103 |
| | | 12 | 6 | 20.02 | 0.100 | 20.02 | 0.100 | 20.08 | 0.102 |
| | | 12 | 13 | 20.06 | 0.101 | 20.03 | 0.101 | 20.05 | 0.101 |
| | | 25 | 0 | 19.95 | 0.099 | 19.92 | 0.098 | 19.91 | 0.098 |

| LTE Band 14 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | | | 23330 (793.0 ㎒) | | | |
| | | | | | | (dB m) | (W) | | |
| 10 | QPSK | 1 | 0 | - | - | **22.98** | **0.199** | - | - |
| | | 1 | 25 | - | - | 22.91 | 0.195 | - | - |
| | | 1 | 49 | - | - | 22.97 | 0.198 | - | - |
| | | 25 | 0 | - | - | 22.02 | 0.159 | - | - |
| | | 25 | 12 | - | - | 22.09 | 0.162 | - | - |
| | | 25 | 25 | - | - | 21.92 | 0.156 | - | - |
| | | 50 | 0 | - | - | 21.95 | 0.157 | - | - |
| | 16QAM | 1 | 0 | - | - | **22.15** | **0.164** | - | - |
| | | 1 | 25 | - | - | 22.05 | 0.160 | - | - |
| | | 1 | 49 | - | - | 22.12 | 0.163 | - | - |
| | | 25 | 0 | - | - | 21.02 | 0.126 | - | - |
| | | 25 | 12 | - | - | 21.10 | 0.129 | - | - |
| | | 25 | 25 | - | - | 21.03 | 0.127 | - | - |
| | | 50 | 0 | - | - | 21.00 | 0.126 | - | - |
| | 64QAM | 1 | 0 | - | - | **21.24** | **0.133** | - | - |
| | | 1 | 25 | - | - | 21.12 | 0.129 | - | - |
| | | 1 | 49 | - | - | 21.10 | 0.129 | - | - |
| | | 25 | 0 | - | - | 20.08 | 0.102 | - | - |
| | | 25 | 12 | - | - | 20.14 | 0.103 | - | - |
| | | 25 | 25 | - | - | 20.19 | 0.104 | - | - |
| | | 50 | 0 | - | - | 19.99 | 0.100 | - | - |

| LTE Band 25/2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26047 (1 850.7 ㎒) | | 26365 (1 882.5 ㎒) | | 26683 (1 914.3 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 1.4 | QPSK | 1 | 0 | 22.62 | 0.183 | 22.69 | 0.186 | 22.83 | 0.192 |
| | | 1 | 3 | 22.69 | 0.186 | 22.74 | 0.188 | **22.84** | **0.192** |
| | | 1 | 5 | 22.61 | 0.182 | 22.67 | 0.185 | 22.80 | 0.191 |
| | | 3 | 0 | 22.69 | 0.186 | 22.74 | 0.188 | 22.81 | 0.191 |
| | | 3 | 2 | 22.77 | 0.189 | 22.80 | 0.191 | 22.81 | 0.191 |
| | | 3 | 3 | 22.71 | 0.187 | 22.81 | 0.191 | 22.81 | 0.191 |
| | | 6 | 0 | 21.63 | 0.146 | 22.77 | 0.189 | 22.79 | 0.190 |
| | 16QAM | 1 | 0 | 21.94 | 0.156 | 22.05 | 0.160 | 22.09 | 0.162 |
| | | 1 | 3 | 22.15 | 0.164 | 22.09 | 0.162 | 22.14 | 0.164 |
| | | 1 | 5 | 21.97 | 0.157 | 22.11 | 0.163 | 22.19 | 0.166 |
| | | 3 | 0 | 21.76 | 0.150 | 22.08 | 0.161 | 22.13 | 0.163 |
| | | 3 | 2 | 21.83 | 0.152 | 22.18 | 0.165 | 22.18 | 0.165 |
| | | 3 | 3 | 21.68 | 0.147 | **22.20** | **0.166** | 22.09 | 0.162 |
| | | 6 | 0 | 20.87 | 0.122 | 22.16 | 0.164 | 22.09 | 0.162 |
| | 64QAM | 1 | 0 | 20.89 | 0.123 | 21.07 | 0.128 | 21.01 | 0.126 |
| | | 1 | 3 | 21.02 | 0.126 | 21.04 | 0.127 | 21.08 | 0.128 |
| | | 1 | 5 | 20.99 | 0.126 | 21.10 | 0.129 | 21.05 | 0.127 |
| | | 3 | 0 | 20.89 | 0.123 | 21.07 | 0.128 | 21.10 | 0.129 |
| | | 3 | 2 | 20.95 | 0.124 | 21.13 | 0.130 | 21.08 | 0.128 |
| | | 3 | 3 | 20.89 | 0.123 | **21.19** | **0.132** | 21.03 | 0.127 |
| | | 6 | 0 | 19.78 | 0.095 | 21.01 | 0.126 | 21.13 | 0.130 |

| LTE Band 25/2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26055 (1 851.5 ㎒) | | 26365 (1 882.5 ㎒) | | 26675 (1 913.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 3 | QPSK | 1 | 0 | 22.56 | 0.180 | 22.69 | 0.186 | 22.86 | 0.193 |
| | | 1 | 7 | 22.78 | 0.190 | 22.78 | 0.190 | 22.97 | 0.198 |
| | | 1 | 14 | 22.77 | 0.189 | 22.80 | 0.191 | **23.02** | **0.200** |
| | | 8 | 0 | 22.63 | 0.183 | 21.91 | 0.155 | 22.02 | 0.159 |
| | | 8 | 4 | 22.65 | 0.184 | 21.92 | 0.156 | 22.01 | 0.159 |
| | | 8 | 7 | 22.74 | 0.188 | 21.95 | 0.157 | 22.02 | 0.159 |
| | | 15 | 0 | 21.78 | 0.151 | 21.92 | 0.156 | 22.02 | 0.159 |
| | 16QAM | 1 | 0 | 22.00 | 0.158 | 22.11 | 0.163 | 22.23 | 0.167 |
| | | 1 | 7 | 22.15 | 0.164 | 22.21 | 0.166 | 22.33 | 0.171 |
| | | 1 | 14 | 22.23 | 0.167 | 22.22 | 0.167 | **22.36** | **0.172** |
| | | 8 | 0 | 21.73 | 0.149 | 20.98 | 0.125 | 21.08 | 0.128 |
| | | 8 | 4 | 21.83 | 0.152 | 21.06 | 0.128 | 21.08 | 0.128 |
| | | 8 | 7 | 21.90 | 0.155 | 21.05 | 0.127 | 21.04 | 0.127 |
| | | 15 | 0 | 20.90 | 0.123 | 20.99 | 0.126 | 21.03 | 0.127 |
| | 64QAM | 1 | 0 | 20.94 | 0.124 | 20.98 | 0.125 | 21.06 | 0.128 |
| | | 1 | 7 | 21.08 | 0.128 | 21.06 | 0.128 | **21.31** | **0.135** |
| | | 1 | 14 | 21.10 | 0.129 | 21.16 | 0.131 | 21.29 | 0.135 |
| | | 8 | 0 | 20.89 | 0.123 | 19.99 | 0.100 | 20.12 | 0.103 |
| | | 8 | 4 | 20.92 | 0.124 | 20.07 | 0.102 | 20.09 | 0.102 |
| | | 8 | 7 | 20.97 | 0.125 | 20.02 | 0.100 | 20.10 | 0.102 |
| | | 15 | 0 | 19.81 | 0.096 | 19.99 | 0.100 | 20.08 | 0.102 |

| LTE Band 25/2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26065 (1 852.5 ㎒) | | 26365 (1 882.5 ㎒) | | 26665 (1 912.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 22.65 | 0.184 | 22.79 | 0.190 | 22.79 | 0.190 |
| | | 1 | 12 | 22.69 | 0.186 | 22.78 | 0.190 | **22.90** | **0.195** |
| | | 1 | 24 | 22.69 | 0.186 | 22.90 | 0.195 | 22.87 | 0.194 |
| | | 12 | 0 | 22.64 | 0.184 | 22.80 | 0.191 | 21.94 | 0.156 |
| | | 12 | 6 | 22.61 | 0.182 | 22.81 | 0.191 | 22.05 | 0.160 |
| | | 12 | 13 | 22.55 | 0.180 | 22.86 | 0.193 | 22.08 | 0.161 |
| | | 25 | 0 | 22.65 | 0.184 | 21.93 | 0.156 | 22.00 | 0.158 |
| | 16QAM | 1 | 0 | 22.07 | 0.161 | 22.22 | 0.167 | 22.10 | 0.162 |
| | | 1 | 12 | 21.90 | 0.155 | 22.26 | 0.168 | **22.38** | **0.173** |
| | | 1 | 24 | 22.05 | 0.160 | 22.28 | 0.169 | 22.18 | 0.165 |
| | | 12 | 0 | 21.78 | 0.151 | 21.96 | 0.157 | 21.00 | 0.126 |
| | | 12 | 6 | 21.73 | 0.149 | 21.99 | 0.158 | 21.09 | 0.129 |
| | | 12 | 13 | 21.77 | 0.150 | 22.09 | 0.162 | 21.11 | 0.129 |
| | | 25 | 0 | 21.88 | 0.154 | 20.92 | 0.124 | 21.02 | 0.126 |
| | 64QAM | 1 | 0 | 20.96 | 0.125 | 21.08 | 0.128 | 21.15 | 0.130 |
| | | 1 | 12 | 21.01 | 0.126 | 21.17 | 0.131 | 21.16 | 0.131 |
| | | 1 | 24 | 21.00 | 0.126 | **21.21** | **0.132** | 21.11 | 0.129 |
| | | 12 | 0 | 20.92 | 0.124 | 20.93 | 0.124 | 20.09 | 0.102 |
| | | 12 | 6 | 20.90 | 0.123 | 21.06 | 0.128 | 20.14 | 0.103 |
| | | 12 | 13 | 20.95 | 0.124 | 21.10 | 0.129 | 20.11 | 0.103 |
| | | 25 | 0 | 20.73 | 0.118 | 19.95 | 0.099 | 20.12 | 0.103 |

| LTE Band 25/2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26090 (1 855.0 ㎒) | | 26365 (1 882.5 ㎒) | | 26640 (1 910.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 10 | QPSK | 1 | 0 | 22.59 | 0.182 | **22.98** | **0.199** | 22.92 | 0.196 |
| | | 1 | 25 | 22.53 | 0.179 | 22.85 | 0.193 | 22.71 | 0.187 |
| | | 1 | 49 | 22.62 | 0.183 | 22.79 | 0.190 | 22.65 | 0.184 |
| | | 25 | 0 | 22.65 | 0.184 | 22.76 | 0.189 | 22.85 | 0.193 |
| | | 25 | 12 | 22.57 | 0.181 | 22.86 | 0.193 | 22.97 | 0.198 |
| | | 25 | 25 | 22.67 | 0.185 | 22.84 | 0.192 | 22.94 | 0.197 |
| | | 50 | 0 | 22.72 | 0.187 | 21.90 | 0.155 | 21.94 | 0.156 |
| | 16QAM | 1 | 0 | 21.92 | 0.156 | 22.18 | 0.165 | 22.24 | 0.167 |
| | | 1 | 25 | 21.80 | 0.151 | 22.18 | 0.165 | 22.10 | 0.162 |
| | | 1 | 49 | 22.08 | 0.161 | 22.15 | 0.164 | **22.31** | **0.170** |
| | | 25 | 0 | 21.72 | 0.149 | 21.95 | 0.157 | 21.95 | 0.157 |
| | | 25 | 12 | 21.66 | 0.147 | 22.03 | 0.160 | 22.01 | 0.159 |
| | | 25 | 25 | 21.76 | 0.150 | 22.08 | 0.161 | 22.06 | 0.161 |
| | | 50 | 0 | 21.96 | 0.157 | 20.92 | 0.124 | 21.00 | 0.126 |
| | 64QAM | 1 | 0 | 20.97 | 0.125 | 21.19 | 0.132 | **21.26** | **0.134** |
| | | 1 | 25 | 20.85 | 0.122 | 20.99 | 0.126 | 21.13 | 0.130 |
| | | 1 | 49 | 20.98 | 0.125 | 21.23 | 0.133 | 20.86 | 0.122 |
| | | 25 | 0 | 20.95 | 0.124 | 21.03 | 0.127 | 21.02 | 0.126 |
| | | 25 | 12 | 20.91 | 0.123 | 21.04 | 0.127 | 21.09 | 0.129 |
| | | 25 | 25 | 20.88 | 0.122 | 20.98 | 0.125 | 21.12 | 0.129 |
| | | 50 | 0 | 20.91 | 0.123 | 19.89 | 0.097 | 20.00 | 0.100 |

| LTE Band 25/2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26115 (1 857.5 ㎒) | | 26365 (1 882.5 ㎒) | | 26615 (1 907.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 15 | QPSK | 1 | 0 | 22.82 | 0.191 | 23.07 | 0.203 | 23.02 | 0.200 |
| | | 1 | 36 | 22.73 | 0.187 | 23.03 | 0.201 | 22.87 | 0.194 |
| | | 1 | 74 | 22.81 | 0.191 | 23.01 | 0.200 | **23.11** | **0.205** |
| | | 36 | 0 | 22.77 | 0.189 | 23.03 | 0.201 | 23.03 | 0.201 |
| | | 36 | 18 | 22.77 | 0.189 | 22.98 | 0.199 | 22.96 | 0.198 |
| | | 36 | 37 | 22.83 | 0.192 | 22.95 | 0.197 | 22.99 | 0.199 |
| | | 75 | 0 | 22.83 | 0.192 | 22.88 | 0.194 | 22.11 | 0.163 |
| | 16QAM | 1 | 0 | 22.17 | 0.165 | 22.49 | 0.177 | 22.42 | 0.175 |
| | | 1 | 36 | 22.18 | 0.165 | 22.51 | 0.178 | 22.39 | 0.173 |
| | | 1 | 74 | 22.20 | 0.166 | 22.44 | 0.175 | **22.60** | **0.182** |
| | | 36 | 0 | 21.90 | 0.155 | 22.16 | 0.164 | 22.05 | 0.160 |
| | | 36 | 18 | 21.91 | 0.155 | 22.13 | 0.163 | 22.06 | 0.161 |
| | | 36 | 37 | 21.97 | 0.157 | 22.13 | 0.163 | 22.17 | 0.165 |
| | | 75 | 0 | 22.05 | 0.160 | 22.04 | 0.160 | 21.11 | 0.129 |
| | 64QAM | 1 | 0 | 21.23 | 0.133 | 21.40 | 0.138 | 21.36 | 0.137 |
| | | 1 | 36 | 21.00 | 0.126 | 21.37 | 0.137 | 21.25 | 0.133 |
| | | 1 | 74 | 21.01 | 0.126 | 21.30 | 0.135 | **21.49** | **0.141** |
| | | 36 | 0 | 21.14 | 0.130 | 21.20 | 0.132 | 21.14 | 0.130 |
| | | 36 | 18 | 21.11 | 0.129 | 21.23 | 0.133 | 21.09 | 0.129 |
| | | 36 | 37 | 21.11 | 0.129 | 21.10 | 0.129 | 21.16 | 0.131 |
| | | 75 | 0 | 20.94 | 0.124 | 21.09 | 0.129 | 20.15 | 0.104 |

| LTE Band 25/2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26140 (1 860.0 ㎒) | | 26365 (1 882.5 ㎒) | | 26590 (1 905.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 20 | QPSK | 1 | 0 | 22.87 | 0.194 | 23.01 | 0.200 | 23.04 | 0.201 |
| | | 1 | 50 | 22.93 | 0.196 | 23.01 | 0.200 | **23.06** | **0.202** |
| | | 1 | 99 | 22.80 | 0.191 | 22.91 | 0.195 | 23.02 | 0.200 |
| | | 50 | 0 | 22.94 | 0.197 | 22.93 | 0.196 | 22.88 | 0.194 |
| | | 50 | 25 | 22.94 | 0.197 | 22.97 | 0.198 | 22.99 | 0.199 |
| | | 50 | 50 | 22.89 | 0.195 | 22.94 | 0.197 | 22.93 | 0.196 |
| | | 100 | 0 | 22.91 | 0.195 | 22.93 | 0.196 | 21.96 | 0.157 |
| | 16QAM | 1 | 0 | 22.23 | 0.167 | 22.22 | 0.167 | 22.43 | 0.175 |
| | | 1 | 50 | 22.30 | 0.170 | 22.42 | 0.175 | 22.36 | 0.172 |
| | | 1 | 99 | 22.15 | 0.164 | 22.35 | 0.172 | **22.44** | **0.175** |
| | | 50 | 0 | 22.09 | 0.162 | 22.09 | 0.162 | 22.03 | 0.160 |
| | | 50 | 25 | 22.01 | 0.159 | 22.12 | 0.163 | 22.05 | 0.160 |
| | | 50 | 50 | 21.96 | 0.157 | 22.16 | 0.164 | 22.08 | 0.161 |
| | | 100 | 0 | 22.19 | 0.166 | 22.05 | 0.160 | 21.06 | 0.128 |
| | 64QAM | 1 | 0 | 21.21 | 0.132 | 21.29 | 0.135 | **21.35** | **0.136** |
| | | 1 | 50 | 21.22 | 0.132 | 21.27 | 0.134 | 21.34 | 0.136 |
| | | 1 | 99 | 21.10 | 0.129 | 21.32 | 0.136 | 21.30 | 0.135 |
| | | 50 | 0 | 21.23 | 0.133 | 21.16 | 0.131 | 21.07 | 0.128 |
| | | 50 | 25 | 21.18 | 0.131 | 21.16 | 0.131 | 21.06 | 0.128 |
| | | 50 | 50 | 21.14 | 0.130 | 21.16 | 0.131 | 21.12 | 0.129 |
| | | 100 | 0 | 21.06 | 0.128 | 21.07 | 0.128 | 20.08 | 0.102 |

| LTE Band 26/5_part 22 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26797 (824.7 ㎒) | | 26915 (836.5 ㎒) | | 27033 (848.3 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 1.4 | QPSK | 1 | 0 | 23.11 | 0.205 | 23.09 | 0.204 | 23.17 | 0.207 |
| | | 1 | 2 | 23.17 | 0.207 | 23.12 | 0.205 | 23.06 | 0.202 |
| | | 1 | 5 | 23.15 | 0.207 | 23.09 | 0.204 | **23.19** | **0.208** |
| | | 3 | 0 | 22.16 | 0.164 | 22.14 | 0.164 | 22.11 | 0.163 |
| | | 3 | 2 | 22.24 | 0.167 | 22.20 | 0.166 | 22.17 | 0.165 |
| | | 3 | 3 | 22.26 | 0.168 | 22.20 | 0.166 | 22.16 | 0.164 |
| | | 6 | 0 | 22.32 | 0.171 | 22.15 | 0.164 | 22.17 | 0.165 |
| | 16QAM | 1 | 0 | 22.46 | 0.176 | 22.48 | 0.177 | 22.61 | 0.182 |
| | | 1 | 3 | 22.49 | 0.177 | 22.43 | 0.175 | 22.44 | 0.175 |
| | | 1 | 5 | 22.53 | 0.179 | 22.38 | 0.173 | **22.63** | **0.183** |
| | | 3 | 0 | 22.31 | 0.170 | 22.40 | 0.174 | 22.48 | 0.177 |
| | | 3 | 2 | 22.39 | 0.173 | 22.60 | 0.182 | 22.50 | 0.178 |
| | | 3 | 3 | 22.39 | 0.173 | 22.56 | 0.180 | 22.54 | 0.179 |
| | | 6 | 0 | 21.47 | 0.140 | 22.54 | 0.179 | 22.56 | 0.180 |
| | 64QAM | 1 | 0 | 21.45 | 0.140 | 21.42 | 0.139 | 21.43 | 0.139 |
| | | 1 | 2 | 21.52 | 0.142 | 21.41 | 0.138 | 21.48 | 0.141 |
| | | 1 | 5 | 21.50 | 0.141 | 21.35 | 0.136 | 21.48 | 0.141 |
| | | 3 | 0 | 21.40 | 0.138 | 21.43 | 0.139 | 21.49 | 0.141 |
| | | 3 | 2 | 21.55 | 0.143 | **21.56** | **0.143** | 21.45 | 0.140 |
| | | 3 | 3 | 21.49 | 0.141 | 21.49 | 0.141 | 21.42 | 0.139 |
| | | 6 | 0 | 20.32 | 0.108 | 21.43 | 0.139 | 21.45 | 0.140 |

| LTE Band 26/5_part 22 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26805 (825.5 ㎒) | | 26915 (836.5 ㎒) | | 27025 (847.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 3 | QPSK | 1 | 0 | 23.25 | 0.211 | 23.19 | 0.208 | 23.31 | 0.214 |
| | | 1 | 7 | **23.36** | **0.217** | 23.26 | 0.212 | 23.30 | 0.214 |
| | | 1 | 14 | 23.34 | 0.216 | 23.07 | 0.203 | 23.35 | 0.216 |
| | | 8 | 0 | 22.25 | 0.168 | 22.35 | 0.172 | 22.34 | 0.171 |
| | | 8 | 4 | 22.27 | 0.169 | 22.25 | 0.168 | 22.24 | 0.167 |
| | | 8 | 7 | 22.31 | 0.170 | 22.32 | 0.171 | 22.36 | 0.172 |
| | | 15 | 0 | 22.31 | 0.170 | 22.33 | 0.171 | 22.45 | 0.176 |
| | 16QAM | 1 | 0 | 22.53 | 0.179 | 22.50 | 0.178 | 22.55 | 0.180 |
| | | 1 | 7 | 22.68 | 0.185 | 22.48 | 0.177 | 22.66 | 0.185 |
| | | 1 | 14 | **22.84** | **0.192** | 22.47 | 0.177 | 22.77 | 0.189 |
| | | 8 | 0 | 22.44 | 0.175 | 21.40 | 0.138 | 21.36 | 0.137 |
| | | 8 | 4 | 22.43 | 0.175 | 21.37 | 0.137 | 21.40 | 0.138 |
| | | 8 | 7 | 22.48 | 0.177 | 21.42 | 0.139 | 21.37 | 0.137 |
| | | 15 | 0 | 21.47 | 0.140 | 21.31 | 0.135 | 21.37 | 0.137 |
| | 64QAM | 1 | 0 | 21.56 | 0.143 | 21.56 | 0.143 | 21.59 | 0.144 |
| | | 1 | 7 | 21.64 | 0.146 | 21.54 | 0.143 | 21.61 | 0.145 |
| | | 1 | 14 | **21.73** | **0.149** | 21.50 | 0.141 | 21.63 | 0.146 |
| | | 8 | 0 | 21.51 | 0.142 | 20.40 | 0.110 | 20.40 | 0.110 |
| | | 8 | 4 | 21.60 | 0.145 | 20.39 | 0.109 | 20.38 | 0.109 |
| | | 8 | 7 | 21.56 | 0.143 | 20.40 | 0.110 | 20.37 | 0.109 |
| | | 15 | 0 | 20.35 | 0.108 | 20.34 | 0.108 | 20.43 | 0.110 |

| LTE Band 26/5_part 22 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26815 (826.5 ㎒) | | 26915 (836.5 ㎒) | | 27015 (846.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 23.23 | 0.210 | 23.11 | 0.205 | 23.24 | 0.211 |
| | | 1 | 12 | **23.31** | **0.214** | 23.26 | 0.212 | 23.29 | 0.213 |
| | | 1 | 24 | 23.27 | 0.212 | 23.18 | 0.208 | 23.25 | 0.211 |
| | | 12 | 0 | 23.27 | 0.212 | 23.18 | 0.208 | 22.36 | 0.172 |
| | | 12 | 6 | 23.28 | 0.213 | 23.13 | 0.206 | 22.45 | 0.176 |
| | | 12 | 13 | 23.24 | 0.211 | 23.26 | 0.212 | 22.33 | 0.171 |
| | | 25 | 0 | 23.22 | 0.210 | 22.28 | 0.169 | 22.35 | 0.172 |
| | 16QAM | 1 | 0 | 22.63 | 0.183 | 22.64 | 0.184 | 22.52 | 0.179 |
| | | 1 | 12 | **22.76** | **0.189** | 22.66 | 0.185 | 22.68 | 0.185 |
| | | 1 | 24 | 22.60 | 0.182 | 22.72 | 0.187 | 22.59 | 0.182 |
| | | 12 | 0 | 22.40 | 0.174 | 22.39 | 0.173 | 21.36 | 0.137 |
| | | 12 | 6 | 22.38 | 0.173 | 22.41 | 0.174 | 21.48 | 0.141 |
| | | 12 | 13 | 22.42 | 0.175 | 22.48 | 0.177 | 21.35 | 0.136 |
| | | 25 | 0 | 22.42 | 0.175 | 21.38 | 0.137 | 21.34 | 0.136 |
| | 64QAM | 1 | 0 | 21.58 | 0.144 | 21.54 | 0.143 | 21.49 | 0.141 |
| | | 1 | 12 | 21.64 | 0.146 | 21.61 | 0.145 | 21.54 | 0.143 |
| | | 1 | 24 | **21.72** | **0.149** | 21.63 | 0.146 | 21.59 | 0.144 |
| | | 12 | 0 | 21.51 | 0.142 | 21.30 | 0.135 | 20.36 | 0.109 |
| | | 12 | 6 | 21.58 | 0.144 | 21.39 | 0.138 | 20.49 | 0.112 |
| | | 12 | 13 | 21.51 | 0.142 | 21.44 | 0.139 | 20.45 | 0.111 |
| | | 25 | 0 | 21.38 | 0.137 | 20.33 | 0.108 | 20.33 | 0.108 |

| LTE Band 26/5_part 22 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26840 (829.0 ㎒) | | 26915 (836.5 ㎒) | | 26990 (844.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 10 | QPSK | 1 | 0 | 23.32 | 0.215 | **23.55** | **0.226** | 23.40 | 0.219 |
| | | 1 | 25 | 23.18 | 0.208 | 23.16 | 0.207 | 23.28 | 0.213 |
| | | 1 | 49 | 23.33 | 0.215 | 23.41 | 0.219 | 23.15 | 0.207 |
| | | 25 | 0 | 23.35 | 0.216 | 23.25 | 0.211 | 23.31 | 0.214 |
| | | 25 | 12 | 23.31 | 0.214 | 23.35 | 0.216 | 23.37 | 0.217 |
| | | 25 | 25 | 23.39 | 0.218 | 23.31 | 0.214 | 23.38 | 0.218 |
| | | 50 | 0 | 23.38 | 0.218 | 22.34 | 0.171 | 22.38 | 0.173 |
| | 16QAM | 1 | 0 | 22.68 | 0.185 | 22.80 | 0.191 | 22.70 | 0.186 |
| | | 1 | 25 | 22.71 | 0.187 | 22.67 | 0.185 | 22.58 | 0.181 |
| | | 1 | 49 | **22.99** | **0.199** | 22.72 | 0.187 | 22.37 | 0.173 |
| | | 25 | 0 | 22.45 | 0.176 | 22.40 | 0.174 | 22.32 | 0.171 |
| | | 25 | 12 | 22.44 | 0.175 | 22.55 | 0.180 | 22.50 | 0.178 |
| | | 25 | 25 | 22.48 | 0.177 | 22.51 | 0.178 | 22.44 | 0.175 |
| | | 50 | 0 | 22.71 | 0.187 | 21.44 | 0.139 | 21.48 | 0.141 |
| | 64QAM | 1 | 0 | 21.67 | 0.147 | 21.56 | 0.143 | 21.68 | 0.147 |
| | | 1 | 25 | 21.64 | 0.146 | 21.55 | 0.143 | 21.58 | 0.144 |
| | | 1 | 49 | **21.92** | **0.156** | 21.64 | 0.146 | 21.38 | 0.137 |
| | | 25 | 0 | 21.60 | 0.145 | 21.36 | 0.137 | 21.43 | 0.139 |
| | | 25 | 12 | 21.44 | 0.139 | 21.57 | 0.144 | 21.48 | 0.141 |
| | | 25 | 25 | 21.71 | 0.148 | 21.53 | 0.142 | 21.52 | 0.142 |
| | | 50 | 0 | 21.58 | 0.144 | 20.40 | 0.110 | 20.46 | 0.111 |

| LTE Band 26_part 22 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26865 (831.5 ㎒) | | | | 26965 (841.5 ㎒) | |
| | | | | (dB m) | (W) | | | (dB m) | (W) |
| 15 | QPSK | 1 | 0 | 23.41 | 0.219 | - | - | 23.37 | 0.217 |
| | | 1 | 36 | **23.54** | **0.226** | - | - | 23.27 | 0.212 |
| | | 1 | 74 | 23.41 | 0.219 | - | - | 23.45 | 0.221 |
| | | 36 | 0 | 23.48 | 0.223 | - | - | 23.34 | 0.216 |
| | | 36 | 18 | 23.45 | 0.221 | - | - | 23.39 | 0.218 |
| | | 36 | 37 | 23.46 | 0.222 | - | - | 23.44 | 0.221 |
| | | 75 | 0 | 23.47 | 0.222 | - | - | 22.46 | 0.176 |
| | 16QAM | 1 | 0 | 22.90 | 0.195 | - | - | 22.71 | 0.187 |
| | | 1 | 36 | 22.91 | 0.195 | - | - | 22.64 | 0.184 |
| | | 1 | 74 | **22.96** | **0.198** | - | - | 22.92 | 0.196 |
| | | 36 | 0 | 22.70 | 0.186 | - | - | 22.51 | 0.178 |
| | | 36 | 18 | 22.55 | 0.180 | - | - | 22.52 | 0.179 |
| | | 36 | 37 | 22.62 | 0.183 | - | - | 22.34 | 0.171 |
| | | 75 | 0 | 22.62 | 0.183 | - | - | 21.50 | 0.141 |
| | 64QAM | 1 | 0 | 21.81 | 0.152 | - | - | 21.63 | 0.146 |
| | | 1 | 36 | 21.62 | 0.145 | - | - | 21.59 | 0.144 |
| | | 1 | 74 | **21.91** | **0.155** | - | - | 21.71 | 0.148 |
| | | 36 | 0 | 21.73 | 0.149 | - | - | 21.50 | 0.141 |
| | | 36 | 18 | 21.66 | 0.147 | - | - | 21.51 | 0.142 |
| | | 36 | 37 | 21.75 | 0.150 | - | - | 21.54 | 0.143 |
| | | 75 | 0 | 21.55 | 0.143 | - | - | 20.46 | 0.111 |

| LTE Band 26_part 90 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26697 (814.7 ㎒) | | 26740 (819.0 ㎒) | | 26783 (823.3 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 1.4 | QPSK | 1 | 0 | 23.18 | 0.208 | 23.18 | 0.208 | 23.13 | 0.206 |
| | | 1 | 2 | **23.26** | **0.212** | 23.16 | 0.207 | 23.13 | 0.206 |
| | | 1 | 5 | 23.20 | 0.209 | 23.11 | 0.205 | 23.04 | 0.201 |
| | | 3 | 0 | 22.24 | 0.167 | 22.18 | 0.165 | 22.21 | 0.166 |
| | | 3 | 2 | 22.30 | 0.170 | 22.19 | 0.166 | 22.18 | 0.165 |
| | | 3 | 3 | 22.27 | 0.169 | 22.26 | 0.168 | 22.11 | 0.163 |
| | | 6 | 0 | 22.29 | 0.169 | 22.30 | 0.170 | 22.19 | 0.166 |
| | 16QAM | 1 | 0 | 22.59 | 0.182 | 22.65 | 0.184 | 22.54 | 0.179 |
| | | 1 | 2 | 22.65 | 0.184 | 22.53 | 0.179 | 22.50 | 0.178 |
| | | 1 | 5 | 22.48 | 0.177 | 22.48 | 0.177 | 22.48 | 0.177 |
| | | 3 | 0 | 22.40 | 0.174 | 22.59 | 0.182 | 22.60 | 0.182 |
| | | 3 | 2 | 22.34 | 0.171 | 22.60 | 0.182 | 22.59 | 0.182 |
| | | 3 | 3 | 22.41 | 0.174 | **22.71** | **0.187** | 22.60 | 0.182 |
| | | 6 | 0 | 21.43 | 0.139 | 22.57 | 0.181 | 22.55 | 0.180 |
| | 64QAM | 1 | 0 | 21.41 | 0.138 | 21.54 | 0.143 | 21.48 | 0.141 |
| | | 1 | 2 | 21.61 | 0.145 | 21.51 | 0.142 | 21.53 | 0.142 |
| | | 1 | 5 | 21.45 | 0.140 | 21.50 | 0.141 | 21.49 | 0.141 |
| | | 3 | 0 | 21.44 | 0.139 | 21.49 | 0.141 | 21.46 | 0.140 |
| | | 3 | 2 | 21.57 | 0.144 | 21.61 | 0.145 | 21.49 | 0.141 |
| | | 3 | 3 | 21.47 | 0.140 | **21.66** | **0.147** | 21.52 | 0.142 |
| | | 6 | 0 | 20.36 | 0.109 | 21.55 | 0.143 | 21.54 | 0.143 |

| LTE Band 26_part 90 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26705 (815.5 ㎒) | | 26740 (819.0 ㎒) | | 26775 (822.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 3 | QPSK | 1 | 0 | 23.27 | 0.212 | 23.27 | 0.212 | 23.24 | 0.211 |
| | | 1 | 7 | 23.37 | 0.217 | 23.24 | 0.211 | 23.38 | 0.218 |
| | | 1 | 14 | **23.40** | **0.219** | 23.21 | 0.209 | 23.36 | 0.217 |
| | | 8 | 0 | 23.20 | 0.209 | 22.37 | 0.173 | 22.39 | 0.173 |
| | | 8 | 4 | 23.29 | 0.213 | 22.40 | 0.174 | 22.37 | 0.173 |
| | | 8 | 7 | 23.30 | 0.214 | 22.33 | 0.171 | 22.39 | 0.173 |
| | | 15 | 0 | 22.34 | 0.171 | 22.36 | 0.172 | 22.28 | 0.169 |
| | 16QAM | 1 | 0 | 22.68 | 0.185 | 22.62 | 0.183 | 22.65 | 0.184 |
| | | 1 | 7 | 22.62 | 0.183 | 22.64 | 0.184 | **22.83** | **0.192** |
| | | 1 | 14 | 22.75 | 0.188 | 22.58 | 0.181 | 22.76 | 0.189 |
| | | 8 | 0 | 22.27 | 0.169 | 21.44 | 0.139 | 21.47 | 0.140 |
| | | 8 | 4 | 22.45 | 0.176 | 21.50 | 0.141 | 21.46 | 0.140 |
| | | 8 | 7 | 22.43 | 0.175 | 21.46 | 0.140 | 21.47 | 0.140 |
| | | 15 | 0 | 21.52 | 0.142 | 21.42 | 0.139 | 21.48 | 0.141 |
| | 64QAM | 1 | 0 | 21.52 | 0.142 | 21.49 | 0.141 | 21.41 | 0.138 |
| | | 1 | 7 | 21.62 | 0.145 | 21.55 | 0.143 | **21.76** | **0.150** |
| | | 1 | 14 | 21.60 | 0.145 | 21.58 | 0.144 | 21.66 | 0.147 |
| | | 8 | 0 | 21.50 | 0.141 | 20.43 | 0.110 | 20.52 | 0.113 |
| | | 8 | 4 | 21.63 | 0.146 | 20.52 | 0.113 | 20.52 | 0.113 |
| | | 8 | 7 | 21.60 | 0.145 | 20.44 | 0.111 | 20.50 | 0.112 |
| | | 15 | 0 | 20.45 | 0.111 | 20.46 | 0.111 | 20.51 | 0.112 |

| LTE Band 26_part 90 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 26715 (816.5 ㎒) | | 26740 (819.0 ㎒) | | 26765 (821.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 23.26 | 0.212 | **23.55** | **0.226** | 23.23 | 0.210 |
| | | 1 | 12 | 23.31 | 0.214 | 23.32 | 0.215 | 23.27 | 0.212 |
| | | 1 | 24 | 23.28 | 0.213 | 23.33 | 0.215 | 23.24 | 0.211 |
| | | 12 | 0 | 22.23 | 0.167 | 22.27 | 0.169 | 22.34 | 0.171 |
| | | 12 | 6 | 22.23 | 0.167 | 22.33 | 0.171 | 22.44 | 0.175 |
| | | 12 | 13 | 22.21 | 0.166 | 22.33 | 0.171 | 22.36 | 0.172 |
| | | 25 | 0 | 22.22 | 0.167 | 22.37 | 0.173 | 22.39 | 0.173 |
| | 16QAM | 1 | 0 | 22.57 | 0.181 | 22.53 | 0.179 | 22.58 | 0.181 |
| | | 1 | 12 | 22.69 | 0.186 | 22.73 | 0.187 | 22.65 | 0.184 |
| | | 1 | 24 | 22.58 | 0.181 | **22.82** | **0.191** | 22.75 | 0.188 |
| | | 12 | 0 | 22.36 | 0.172 | 22.40 | 0.174 | 21.39 | 0.138 |
| | | 12 | 6 | 22.24 | 0.167 | 22.48 | 0.177 | 21.46 | 0.140 |
| | | 12 | 13 | 22.42 | 0.175 | 22.54 | 0.179 | 21.41 | 0.138 |
| | | 25 | 0 | 22.45 | 0.176 | 21.38 | 0.137 | 21.40 | 0.138 |
| | 64QAM | 1 | 0 | 21.58 | 0.144 | 21.53 | 0.142 | 21.62 | 0.145 |
| | | 1 | 12 | 21.64 | 0.146 | 21.49 | 0.141 | **21.68** | **0.147** |
| | | 1 | 24 | 21.60 | 0.145 | 21.68 | 0.147 | 21.53 | 0.142 |
| | | 12 | 0 | 21.53 | 0.142 | 21.41 | 0.138 | 20.43 | 0.110 |
| | | 12 | 6 | 21.54 | 0.143 | 21.46 | 0.140 | 20.47 | 0.111 |
| | | 12 | 13 | 21.49 | 0.141 | 21.53 | 0.142 | 20.44 | 0.111 |
| | | 25 | 0 | 21.38 | 0.137 | 20.39 | 0.109 | 20.44 | 0.111 |

| LTE Band 26_part 90 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | | | 26740 (819.0 ㎒) | | | |
| | | | | | | (dB m) | (W) | | |
| 10 | QPSK | 1 | 0 | - | - | **23.56** | **0.227** | - | - |
| | | 1 | 25 | - | - | 23.30 | 0.214 | - | - |
| | | 1 | 49 | - | - | 23.40 | 0.219 | - | - |
| | | 25 | 0 | - | - | 22.45 | 0.176 | - | - |
| | | 25 | 12 | - | - | 22.46 | 0.176 | - | - |
| | | 25 | 25 | - | - | 22.40 | 0.174 | - | - |
| | | 50 | 0 | - | - | 22.41 | 0.174 | - | - |
| | 16QAM | 1 | 0 | - | - | **22.80** | **0.191** | - | - |
| | | 1 | 25 | - | - | 22.61 | 0.182 | - | - |
| | | 1 | 49 | - | - | 22.76 | 0.189 | - | - |
| | | 25 | 0 | - | - | 22.52 | 0.179 | - | - |
| | | 25 | 12 | - | - | 22.49 | 0.177 | - | - |
| | | 25 | 25 | - | - | 22.49 | 0.177 | - | - |
| | | 50 | 0 | - | - | 21.39 | 0.138 | - | - |
| | 64QAM | 1 | 0 | - | - | **21.70** | **0.148** | - | - |
| | | 1 | 25 | - | - | 21.65 | 0.146 | - | - |
| | | 1 | 49 | - | - | 21.63 | 0.146 | - | - |
| | | 25 | 0 | - | - | 21.52 | 0.142 | - | - |
| | | 25 | 12 | - | - | 21.66 | 0.147 | - | - |
| | | 25 | 25 | - | - | 21.54 | 0.143 | - | - |
| | | 50 | 0 | - | - | 20.40 | 0.110 | - | - |

| LTE Band 26_part 90 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | | | 26765 (821.5 ㎒) | | | |
| | | | | | | | | | |
| 15 | QPSK | 1 | 0 | - | - | **23.53** | **0.225** | - | - |
| | | 1 | 36 | - | - | 23.49 | 0.223 | - | - |
| | | 1 | 74 | - | - | 23.37 | 0.217 | - | - |
| | | 36 | 0 | - | - | 22.45 | 0.176 | - | - |
| | | 36 | 18 | - | - | 22.47 | 0.177 | - | - |
| | | 36 | 37 | - | - | 22.48 | 0.177 | - | - |
| | | 75 | 0 | - | - | 22.55 | 0.180 | - | - |
| | 16QAM | 1 | 0 | - | - | 22.88 | 0.194 | - | - |
| | | 1 | 36 | - | - | **22.91** | **0.195** | - | - |
| | | 1 | 74 | - | - | 22.85 | 0.193 | - | - |
| | | 36 | 0 | - | - | 22.59 | 0.182 | - | - |
| | | 36 | 18 | - | - | 22.68 | 0.185 | - | - |
| | | 36 | 37 | - | - | 22.60 | 0.182 | - | - |
| | | 75 | 0 | - | - | 22.65 | 0.184 | - | - |
| | 64QAM | 1 | 0 | - | - | 21.64 | 0.146 | - | - |
| | | 1 | 36 | - | - | **21.92** | **0.156** | - | - |
| | | 1 | 74 | - | - | 21.66 | 0.147 | - | - |
| | | 36 | 0 | - | - | 21.78 | 0.151 | - | - |
| | | 36 | 18 | - | - | 21.67 | 0.147 | - | - |
| | | 36 | 37 | - | - | 21.86 | 0.153 | - | - |
| | | 75 | 0 | - | - | 21.64 | 0.146 | - | - |

| LTE Band 66/4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 131979 (1 710.7 ㎒) | | 132322 (1 745.0 ㎒) | | 132665 (1 779.3 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 1.4 | QPSK | 1 | 0 | 22.71 | 0.187 | 22.88 | 0.194 | 22.82 | 0.191 |
| | | 1 | 3 | **22.94** | **0.197** | 22.87 | 0.194 | 22.83 | 0.192 |
| | | 1 | 5 | 22.87 | 0.194 | 22.85 | 0.193 | 22.81 | 0.191 |
| | | 3 | 0 | 21.88 | 0.154 | 21.93 | 0.156 | 21.83 | 0.152 |
| | | 3 | 2 | 21.89 | 0.155 | 21.97 | 0.157 | 21.84 | 0.153 |
| | | 3 | 3 | 21.86 | 0.153 | 21.85 | 0.153 | 21.83 | 0.152 |
| | | 6 | 0 | 21.89 | 0.155 | 21.91 | 0.155 | 21.82 | 0.152 |
| | 16QAM | 1 | 0 | 22.22 | 0.167 | **22.31** | **0.170** | 22.19 | 0.166 |
| | | 1 | 3 | 22.25 | 0.168 | 22.17 | 0.165 | 22.15 | 0.164 |
| | | 1 | 5 | 22.25 | 0.168 | 22.14 | 0.164 | 22.18 | 0.165 |
| | | 3 | 0 | 21.98 | 0.158 | 22.23 | 0.167 | 22.23 | 0.167 |
| | | 3 | 2 | 22.04 | 0.160 | 22.31 | 0.170 | 22.18 | 0.165 |
| | | 3 | 3 | 22.03 | 0.160 | 22.25 | 0.168 | 22.25 | 0.168 |
| | | 6 | 0 | 21.09 | 0.129 | 22.22 | 0.167 | 22.14 | 0.164 |
| | 64QAM | 1 | 0 | 21.20 | 0.132 | 21.13 | 0.130 | 21.13 | 0.130 |
| | | 1 | 3 | 21.23 | 0.133 | 21.20 | 0.132 | 21.09 | 0.129 |
| | | 1 | 5 | 21.20 | 0.132 | 21.19 | 0.132 | 21.15 | 0.130 |
| | | 3 | 0 | 21.11 | 0.129 | 21.17 | 0.131 | 21.13 | 0.130 |
| | | 3 | 2 | 21.17 | 0.131 | 21.18 | 0.131 | 21.11 | 0.129 |
| | | 3 | 3 | 21.18 | 0.131 | 21.21 | 0.132 | 21.10 | 0.129 |
| | | 6 | 0 | 19.99 | 0.100 | **21.25** | **0.133** | 21.16 | 0.131 |

| LTE Band 66/4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 131987 (1 711.5 ㎒) | | 132322 (1 745.0 ㎒) | | 132657 (1 778.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 3 | QPSK | 1 | 0 | 22.92 | 0.196 | 22.91 | 0.195 | 22.91 | 0.195 |
| | | 1 | 7 | 23.04 | 0.201 | 22.93 | 0.196 | **23.05** | **0.202** |
| | | 1 | 14 | 23.01 | 0.200 | 23.03 | 0.201 | 23.04 | 0.201 |
| | | 8 | 0 | 22.88 | 0.194 | 22.07 | 0.161 | 22.09 | 0.162 |
| | | 8 | 4 | 22.99 | 0.199 | 22.09 | 0.162 | 22.09 | 0.162 |
| | | 8 | 7 | 22.97 | 0.198 | 22.09 | 0.162 | 22.01 | 0.159 |
| | | 15 | 0 | 22.07 | 0.161 | 22.10 | 0.162 | 22.08 | 0.161 |
| | 16QAM | 1 | 0 | 22.28 | 0.169 | 22.28 | 0.169 | 22.28 | 0.169 |
| | | 1 | 7 | **22.40** | **0.174** | 22.40 | 0.174 | 22.33 | 0.171 |
| | | 1 | 14 | 22.37 | 0.173 | 22.35 | 0.172 | 22.27 | 0.169 |
| | | 8 | 0 | 21.99 | 0.158 | 21.19 | 0.132 | 21.04 | 0.127 |
| | | 8 | 4 | 22.14 | 0.164 | 21.22 | 0.132 | 20.98 | 0.125 |
| | | 8 | 7 | 21.99 | 0.158 | 21.18 | 0.131 | 20.97 | 0.125 |
| | | 15 | 0 | 21.13 | 0.130 | 21.12 | 0.129 | 21.08 | 0.128 |
| | 64QAM | 1 | 0 | 21.28 | 0.134 | 21.28 | 0.134 | 21.23 | 0.133 |
| | | 1 | 7 | 21.26 | 0.134 | 21.31 | 0.135 | 21.34 | 0.136 |
| | | 1 | 14 | **21.37** | **0.137** | 21.32 | 0.136 | 21.32 | 0.136 |
| | | 8 | 0 | 21.13 | 0.130 | 20.16 | 0.104 | 20.12 | 0.103 |
| | | 8 | 4 | 21.22 | 0.132 | 20.17 | 0.104 | 20.07 | 0.102 |
| | | 8 | 7 | 21.29 | 0.135 | 20.19 | 0.104 | 20.00 | 0.100 |
| | | 15 | 0 | 20.07 | 0.102 | 20.15 | 0.104 | 20.15 | 0.104 |

| LTE Band 66/4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 131997 (1 712.5 ㎒) | | 132322 (1 745.0 ㎒) | | 132647 (1 777.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 22.83 | 0.192 | 22.90 | 0.195 | 22.86 | 0.193 |
| | | 1 | 12 | 22.94 | 0.197 | 23.02 | 0.200 | 22.93 | 0.196 |
| | | 1 | 24 | 22.91 | 0.195 | **23.10** | **0.204** | 23.04 | 0.201 |
| | | 12 | 0 | 22.84 | 0.192 | 22.93 | 0.196 | 22.02 | 0.159 |
| | | 12 | 6 | 22.90 | 0.195 | 22.99 | 0.199 | 22.09 | 0.162 |
| | | 12 | 13 | 22.94 | 0.197 | 23.00 | 0.200 | 22.12 | 0.163 |
| | | 25 | 0 | 22.87 | 0.194 | 22.05 | 0.160 | 22.03 | 0.160 |
| | 16QAM | 1 | 0 | 22.19 | 0.166 | 22.26 | 0.168 | 22.28 | 0.169 |
| | | 1 | 12 | 22.37 | 0.173 | 22.33 | 0.171 | 22.30 | 0.170 |
| | | 1 | 24 | 22.26 | 0.168 | **22.45** | **0.176** | 22.26 | 0.168 |
| | | 12 | 0 | 22.01 | 0.159 | 22.04 | 0.160 | 20.91 | 0.123 |
| | | 12 | 6 | 21.96 | 0.157 | 22.16 | 0.164 | 21.18 | 0.131 |
| | | 12 | 13 | 22.00 | 0.158 | 22.10 | 0.162 | 21.08 | 0.128 |
| | | 25 | 0 | 22.10 | 0.162 | 21.08 | 0.128 | 21.07 | 0.128 |
| | 64QAM | 1 | 0 | 21.09 | 0.129 | 21.23 | 0.133 | 21.21 | 0.132 |
| | | 1 | 12 | 21.20 | 0.132 | **21.37** | **0.137** | 21.26 | 0.134 |
| | | 1 | 24 | 21.28 | 0.134 | 21.28 | 0.134 | 21.26 | 0.134 |
| | | 12 | 0 | 21.16 | 0.131 | 20.95 | 0.124 | 19.96 | 0.099 |
| | | 12 | 6 | 21.12 | 0.129 | 21.17 | 0.131 | 20.05 | 0.101 |
| | | 12 | 13 | 21.12 | 0.129 | 21.15 | 0.130 | 20.19 | 0.104 |
| | | 25 | 0 | 21.01 | 0.126 | 20.01 | 0.100 | 20.07 | 0.102 |

| LTE Band 66/4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 132022 (1 715.0 ㎒) | | 132322 (1 745.0 ㎒) | | 132622 (1 775.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 10 | QPSK | 1 | 0 | 22.80 | 0.191 | 22.86 | 0.193 | 22.93 | 0.196 |
| | | 1 | 25 | 22.75 | 0.188 | 22.86 | 0.193 | 22.94 | 0.197 |
| | | 1 | 49 | 22.93 | 0.196 | **22.96** | **0.198** | 22.68 | 0.185 |
| | | 25 | 0 | 21.83 | 0.152 | 21.89 | 0.155 | 21.97 | 0.157 |
| | | 25 | 12 | 21.87 | 0.154 | 22.01 | 0.159 | 22.01 | 0.159 |
| | | 25 | 25 | 21.98 | 0.158 | 22.02 | 0.159 | 22.04 | 0.160 |
| | | 50 | 0 | 22.00 | 0.158 | 21.04 | 0.127 | 21.06 | 0.128 |
| | 16QAM | 1 | 0 | 22.24 | 0.167 | 22.30 | 0.170 | 22.13 | 0.163 |
| | | 1 | 25 | 22.34 | 0.171 | 22.21 | 0.166 | 22.17 | 0.165 |
| | | 1 | 49 | **22.39** | **0.173** | 22.24 | 0.167 | 22.13 | 0.163 |
| | | 25 | 0 | 21.99 | 0.158 | 21.95 | 0.157 | 22.04 | 0.160 |
| | | 25 | 12 | 22.00 | 0.158 | 22.20 | 0.166 | 22.15 | 0.164 |
| | | 25 | 25 | 21.96 | 0.157 | 22.21 | 0.166 | 22.09 | 0.162 |
| | | 50 | 0 | 22.22 | 0.167 | 20.99 | 0.126 | 21.03 | 0.127 |
| | 64QAM | 1 | 0 | 21.19 | 0.132 | 21.18 | 0.131 | 21.20 | 0.132 |
| | | 1 | 25 | 21.19 | 0.132 | 21.08 | 0.128 | 21.16 | 0.131 |
| | | 1 | 49 | 21.19 | 0.132 | **21.27** | **0.134** | 20.92 | 0.124 |
| | | 25 | 0 | 21.21 | 0.132 | 20.97 | 0.125 | 21.04 | 0.127 |
| | | 25 | 12 | 21.10 | 0.129 | 21.18 | 0.131 | 21.11 | 0.129 |
| | | 25 | 25 | 21.23 | 0.133 | 21.02 | 0.126 | 21.06 | 0.128 |
| | | 50 | 0 | 21.15 | 0.130 | 20.14 | 0.103 | 20.05 | 0.101 |

| LTE Band 66/4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 132047 (1 717.5 ㎒) | | 132322 (1 745.0 ㎒) | | 132597 (1 772.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 15 | QPSK | 1 | 0 | 23.13 | 0.206 | 23.04 | 0.201 | 23.12 | 0.205 |
| | | 1 | 36 | 23.14 | 0.206 | 23.22 | 0.210 | 23.12 | 0.205 |
| | | 1 | 74 | 23.04 | 0.201 | 23.06 | 0.202 | **23.24** | **0.211** |
| | | 36 | 0 | 23.08 | 0.203 | 23.16 | 0.207 | 23.18 | 0.208 |
| | | 36 | 18 | 23.21 | 0.209 | 23.14 | 0.206 | 23.14 | 0.206 |
| | | 36 | 37 | 23.22 | 0.210 | 23.14 | 0.206 | 23.21 | 0.209 |
| | | 75 | 0 | 23.08 | 0.203 | 23.15 | 0.207 | 22.26 | 0.168 |
| | 16QAM | 1 | 0 | 22.48 | 0.177 | 22.48 | 0.177 | 22.48 | 0.177 |
| | | 1 | 36 | 22.55 | 0.180 | 22.58 | 0.181 | 22.48 | 0.177 |
| | | 1 | 74 | 22.49 | 0.177 | 22.58 | 0.181 | **22.68** | **0.185** |
| | | 36 | 0 | 22.23 | 0.167 | 22.27 | 0.169 | 22.31 | 0.170 |
| | | 36 | 18 | 22.19 | 0.166 | 22.23 | 0.167 | 22.27 | 0.169 |
| | | 36 | 37 | 22.25 | 0.168 | 22.23 | 0.167 | 22.33 | 0.171 |
| | | 75 | 0 | 22.36 | 0.172 | 22.28 | 0.169 | 21.28 | 0.134 |
| | 64QAM | 1 | 0 | 21.52 | 0.142 | 21.32 | 0.136 | 21.40 | 0.138 |
| | | 1 | 36 | 21.44 | 0.139 | 21.46 | 0.140 | 21.36 | 0.137 |
| | | 1 | 74 | 21.42 | 0.139 | 21.45 | 0.140 | **21.54** | **0.143** |
| | | 36 | 0 | 21.43 | 0.139 | 21.34 | 0.136 | 21.32 | 0.136 |
| | | 36 | 18 | 21.37 | 0.137 | 21.26 | 0.134 | 21.34 | 0.136 |
| | | 36 | 37 | 21.43 | 0.139 | 21.29 | 0.135 | 21.34 | 0.136 |
| | | 75 | 0 | 21.39 | 0.138 | 21.30 | 0.135 | 20.31 | 0.107 |

| LTE Band 66/4 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 132072 (1 720.0 ㎒) | | 132322 (1 745.0 ㎒) | | 132572 (1 777.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 20 | QPSK | 1 | 0 | 23.03 | 0.201 | 23.09 | 0.204 | 23.14 | 0.206 |
| | | 1 | 50 | 23.15 | 0.207 | 23.10 | 0.204 | **23.16** | **0.207** |
| | | 1 | 99 | 23.06 | 0.202 | 22.99 | 0.199 | 23.08 | 0.203 |
| | | 50 | 0 | 22.10 | 0.162 | 22.04 | 0.160 | 22.16 | 0.164 |
| | | 50 | 25 | 22.14 | 0.164 | 22.14 | 0.164 | 22.18 | 0.165 |
| | | 50 | 50 | 22.10 | 0.162 | 22.12 | 0.163 | 22.02 | 0.159 |
| | | 100 | 0 | 22.09 | 0.162 | 22.15 | 0.164 | 21.27 | 0.134 |
| | 16QAM | 1 | 0 | 22.23 | 0.167 | 22.29 | 0.169 | 22.46 | 0.176 |
| | | 1 | 50 | 22.41 | 0.174 | 22.45 | 0.176 | **22.50** | **0.178** |
| | | 1 | 99 | 22.33 | 0.171 | 22.47 | 0.177 | 22.46 | 0.176 |
| | | 50 | 0 | 22.33 | 0.171 | 22.20 | 0.166 | 22.24 | 0.167 |
| | | 50 | 25 | 22.28 | 0.169 | 22.25 | 0.168 | 22.23 | 0.167 |
| | | 50 | 50 | 22.26 | 0.168 | 22.26 | 0.168 | 22.25 | 0.168 |
| | | 100 | 0 | 22.33 | 0.171 | 22.28 | 0.169 | 21.25 | 0.133 |
| | 64QAM | 1 | 0 | 21.30 | 0.135 | 21.40 | 0.138 | 21.40 | 0.138 |
| | | 1 | 50 | **21.47** | **0.140** | 21.36 | 0.137 | 21.38 | 0.137 |
| | | 1 | 99 | 21.29 | 0.135 | 21.40 | 0.138 | 21.45 | 0.140 |
| | | 50 | 0 | 21.39 | 0.138 | 21.28 | 0.134 | 21.25 | 0.133 |
| | | 50 | 25 | 21.37 | 0.137 | 21.26 | 0.134 | 21.28 | 0.134 |
| | | 50 | 50 | 21.23 | 0.133 | 21.28 | 0.134 | 21.31 | 0.135 |
| | | 100 | 0 | 21.23 | 0.133 | 21.26 | 0.134 | 20.28 | 0.107 |

| LTE Band 71 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 133147 (665.5 ㎒) | | 133297 (680.5 ㎒) | | 133447 (695.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 5 | QPSK | 1 | 0 | 22.68 | 0.185 | 22.83 | 0.192 | **23.01** | **0.200** |
| | | 1 | 12 | 22.79 | 0.190 | 22.84 | 0.192 | 22.97 | 0.198 |
| | | 1 | 24 | 22.85 | 0.193 | 22.88 | 0.194 | 22.97 | 0.198 |
| | | 12 | 0 | 21.88 | 0.154 | 22.06 | 0.161 | 22.04 | 0.160 |
| | | 12 | 6 | 21.86 | 0.153 | 22.06 | 0.161 | 22.11 | 0.163 |
| | | 12 | 13 | 21.99 | 0.158 | 22.05 | 0.160 | 22.06 | 0.161 |
| | | 25 | 0 | 21.93 | 0.156 | 22.06 | 0.161 | 22.96 | 0.198 |
| | 16QAM | 1 | 0 | 22.07 | 0.161 | 22.19 | 0.166 | 22.34 | 0.171 |
| | | 1 | 12 | 22.24 | 0.167 | 22.17 | 0.165 | 22.19 | 0.166 |
| | | 1 | 24 | 22.19 | 0.166 | 22.21 | 0.166 | 22.35 | 0.172 |
| | | 12 | 0 | 20.87 | 0.122 | 21.05 | 0.127 | 22.37 | 0.173 |
| | | 12 | 6 | 21.01 | 0.126 | 21.04 | 0.127 | **22.46** | **0.176** |
| | | 12 | 13 | 20.99 | 0.126 | 21.08 | 0.128 | 22.43 | 0.175 |
| | | 25 | 0 | 20.97 | 0.125 | 21.05 | 0.127 | 22.22 | 0.167 |
| | 64QAM | 1 | 0 | 20.83 | 0.121 | 21.05 | 0.127 | 21.26 | 0.134 |
| | | 1 | 12 | 21.08 | 0.128 | 21.15 | 0.130 | 21.21 | 0.132 |
| | | 1 | 24 | 21.06 | 0.128 | 21.13 | 0.130 | 21.23 | 0.133 |
| | | 12 | 0 | 19.87 | 0.097 | 20.08 | 0.102 | 21.29 | 0.135 |
| | | 12 | 6 | 20.04 | 0.101 | 20.08 | 0.102 | **21.43** | **0.139** |
| | | 12 | 13 | 19.98 | 0.100 | 20.08 | 0.102 | 21.37 | 0.137 |
| | | 25 | 0 | 19.98 | 0.100 | 20.06 | 0.101 | 21.18 | 0.131 |

| LTE Band 71 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 133172 (668.0 ㎒) | | 133297 (680.5 ㎒) | | 133422 (693.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 10 | QPSK | 1 | 0 | 22.76 | 0.189 | 23.06 | 0.202 | **23.19** | **0.208** |
| | | 1 | 25 | 22.76 | 0.189 | 22.95 | 0.197 | 22.97 | 0.198 |
| | | 1 | 49 | 22.76 | 0.189 | 23.08 | 0.203 | 22.95 | 0.197 |
| | | 25 | 0 | 22.83 | 0.192 | 22.02 | 0.159 | 22.13 | 0.163 |
| | | 25 | 12 | 22.86 | 0.193 | 22.05 | 0.160 | 22.16 | 0.164 |
| | | 25 | 25 | 22.76 | 0.189 | 21.95 | 0.157 | 22.14 | 0.164 |
| | | 50 | 0 | 22.00 | 0.158 | 22.05 | 0.160 | 22.13 | 0.163 |
| | 16QAM | 1 | 0 | 22.08 | 0.161 | 22.27 | 0.169 | **22.57** | **0.181** |
| | | 1 | 25 | 22.24 | 0.167 | 22.25 | 0.168 | 22.31 | 0.170 |
| | | 1 | 49 | 22.02 | 0.159 | 22.37 | 0.173 | 22.37 | 0.173 |
| | | 25 | 0 | 21.97 | 0.157 | 21.01 | 0.126 | 21.15 | 0.130 |
| | | 25 | 12 | 22.00 | 0.158 | 21.05 | 0.127 | 21.18 | 0.131 |
| | | 25 | 25 | 21.96 | 0.157 | 21.01 | 0.126 | 21.17 | 0.131 |
| | | 50 | 0 | 20.95 | 0.124 | 21.02 | 0.126 | 21.13 | 0.130 |
| | 64QAM | 1 | 0 | 21.14 | 0.130 | 21.16 | 0.131 | **21.33** | **0.136** |
| | | 1 | 25 | 21.02 | 0.126 | 21.15 | 0.130 | 21.12 | 0.129 |
| | | 1 | 49 | 20.87 | 0.122 | 21.29 | 0.135 | 21.21 | 0.132 |
| | | 25 | 0 | 21.01 | 0.126 | 20.04 | 0.101 | 20.17 | 0.104 |
| | | 25 | 12 | 21.03 | 0.127 | 20.09 | 0.102 | 20.26 | 0.106 |
| | | 25 | 25 | 20.83 | 0.121 | 19.98 | 0.100 | 20.16 | 0.104 |
| | | 50 | 0 | 19.89 | 0.097 | 20.07 | 0.102 | 20.23 | 0.105 |

| LTE Band 71 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 133197 (670.5 ㎒) | | 133297 (680.5 ㎒) | | 133397 (690.5 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 15 | QPSK | 1 | 0 | 23.05 | 0.202 | 23.15 | 0.207 | **23.25** | **0.211** |
| | | 1 | 36 | 22.87 | 0.194 | 23.15 | 0.207 | 23.05 | 0.202 |
| | | 1 | 74 | 23.03 | 0.201 | 23.17 | 0.207 | 23.01 | 0.200 |
| | | 36 | 0 | 23.03 | 0.201 | 22.13 | 0.163 | 22.18 | 0.165 |
| | | 36 | 18 | 23.01 | 0.200 | 22.21 | 0.166 | 22.19 | 0.166 |
| | | 36 | 37 | 23.06 | 0.202 | 22.20 | 0.166 | 22.16 | 0.164 |
| | | 75 | 0 | 22.06 | 0.161 | 22.21 | 0.166 | 22.21 | 0.166 |
| | 16QAM | 1 | 0 | 22.40 | 0.174 | 22.45 | 0.176 | **22.52** | **0.179** |
| | | 1 | 36 | 22.34 | 0.171 | 22.47 | 0.177 | 22.44 | 0.175 |
| | | 1 | 74 | 22.48 | 0.177 | 22.43 | 0.175 | 22.35 | 0.172 |
| | | 36 | 0 | 22.10 | 0.162 | 21.11 | 0.129 | 21.09 | 0.129 |
| | | 36 | 18 | 22.02 | 0.159 | 21.24 | 0.133 | 21.25 | 0.133 |
| | | 36 | 37 | 22.21 | 0.166 | 21.16 | 0.131 | 21.19 | 0.132 |
| | | 75 | 0 | 21.06 | 0.128 | 21.21 | 0.132 | 21.18 | 0.131 |
| | 64QAM | 1 | 0 | 21.29 | 0.135 | 21.35 | 0.136 | **21.50** | **0.141** |
| | | 1 | 36 | 21.17 | 0.131 | 21.37 | 0.137 | 21.30 | 0.135 |
| | | 1 | 74 | 21.34 | 0.136 | 21.43 | 0.139 | 21.24 | 0.133 |
| | | 36 | 0 | 21.09 | 0.129 | 20.12 | 0.103 | 20.25 | 0.106 |
| | | 36 | 18 | 21.10 | 0.129 | 20.24 | 0.106 | 20.22 | 0.105 |
| | | 36 | 37 | 21.16 | 0.131 | 20.20 | 0.105 | 20.19 | 0.104 |
| | | 75 | 0 | 20.08 | 0.102 | 20.26 | 0.106 | 20.21 | 0.105 |

| LTE Band 71 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Bandwidth (㎒) | Modulation | RB Size | RB Offset | Conducted Output Power | | | | | |
| | | | | 133222 (673.0 ㎒) | | 133297 (680.5 ㎒) | | 133372 (688.0 ㎒) | |
| | | | | (dB m) | (W) | (dB m) | (W) | (dB m) | (W) |
| 20 | QPSK | 1 | 0 | 22.96 | 0.198 | 23.07 | 0.203 | 23.15 | 0.207 |
| | | 1 | 50 | 23.12 | 0.205 | 23.05 | 0.202 | **23.24** | **0.211** |
| | | 1 | 99 | 22.99 | 0.199 | 23.00 | 0.200 | 22.94 | 0.197 |
| | | 50 | 0 | 22.98 | 0.199 | 22.17 | 0.165 | 22.23 | 0.167 |
| | | 50 | 25 | 23.05 | 0.202 | 22.15 | 0.164 | 22.23 | 0.167 |
| | | 50 | 50 | 23.04 | 0.201 | 22.26 | 0.168 | 22.23 | 0.167 |
| | | 100 | 0 | 22.08 | 0.161 | 22.12 | 0.163 | 22.22 | 0.167 |
| | 16QAM | 1 | 0 | 22.35 | 0.172 | 22.47 | 0.177 | 22.44 | 0.175 |
| | | 1 | 50 | **22.53** | **0.179** | 22.35 | 0.172 | 22.48 | 0.177 |
| | | 1 | 99 | 22.47 | 0.177 | 22.37 | 0.173 | 22.28 | 0.169 |
| | | 50 | 0 | 22.04 | 0.160 | 21.20 | 0.132 | 21.18 | 0.131 |
| | | 50 | 25 | 22.12 | 0.163 | 21.21 | 0.132 | 21.27 | 0.134 |
| | | 50 | 50 | 22.00 | 0.158 | 21.26 | 0.134 | 21.26 | 0.134 |
| | | 100 | 0 | 21.12 | 0.129 | 21.16 | 0.131 | 21.24 | 0.133 |
| | 64QAM | 1 | 0 | 21.25 | 0.133 | 21.51 | 0.142 | 21.43 | 0.139 |
| | | 1 | 50 | 21.26 | 0.134 | 21.29 | 0.135 | **21.53** | **0.142** |
| | | 1 | 99 | 21.25 | 0.133 | 21.26 | 0.134 | 21.35 | 0.136 |
| | | 50 | 0 | 21.13 | 0.130 | 20.16 | 0.104 | 20.18 | 0.104 |
| | | 50 | 25 | 21.16 | 0.131 | 20.17 | 0.104 | 20.23 | 0.105 |
| | | 50 | 50 | 21.09 | 0.129 | 20.22 | 0.105 | 20.27 | 0.106 |
| | | 100 | 0 | 20.14 | 0.103 | 20.21 | 0.105 | 20.21 | 0.105 |

# 4. Occupied Bandwidth

## 4.1. Limit

CFR 47, Section FCC §2.1049 and IC RSS-Gen Issue 5 6.7.

## 4.2. Test Procedure

**FCC**

The test follows section 5.4.4 of ANSI C63.26-2015.

a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation. products including the emission skirts (typically a span of 1.5 × OBW is sufficient).
b. The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1 % to 5 % of the anticipated OBW, and the VBW shall be set ≥ 3 × RBW.
c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
d. Set the detection mode to peak, and the trace mode to max-hold.
e. If the instrument does not have a 99 % OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5 % of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5 % of the total is reached and record that frequency as the upper OBW frequency. The 99 % power OBW can be determined by computing the difference these two frequencies.
f. The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

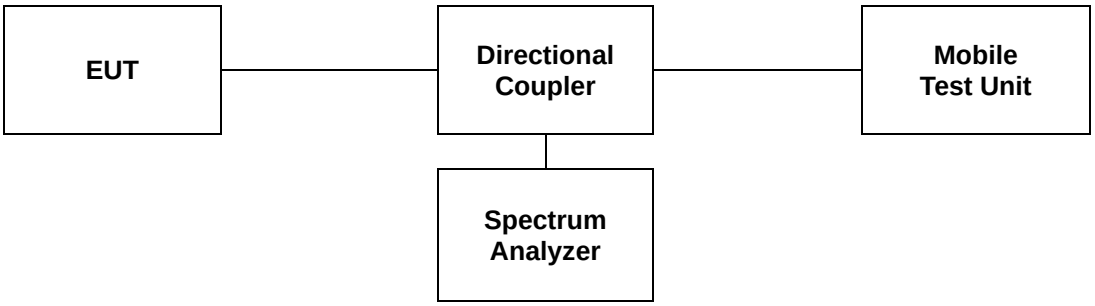
**IC**

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

• The transmitter shall be operated at its maximum carrier power measured under normal test conditions.
• The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.
• The detector of the spectrum analyzer shall be set to “Sample”. However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or “Max Hold”) may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.
• The resolution bandwidth (RBW) shall be in the range of 1 % to 5 % of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99 % emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99 % emission bandwidth).



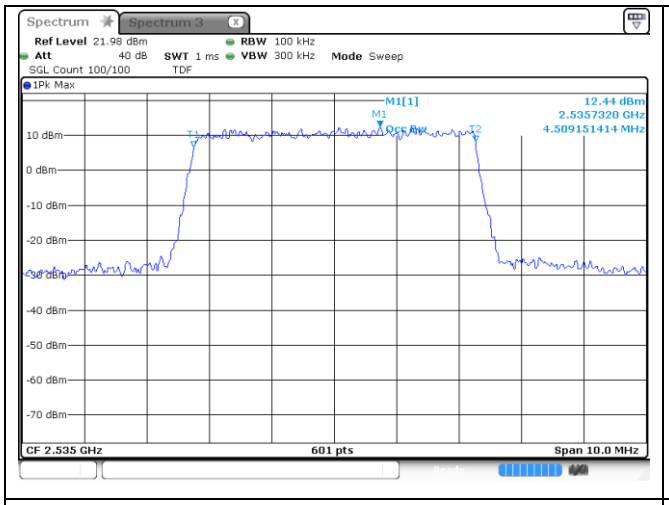
## 4.3 Test Results

Ambient temperature : (23 ± 1) ℃
Relative humidity : 47 % R.H.

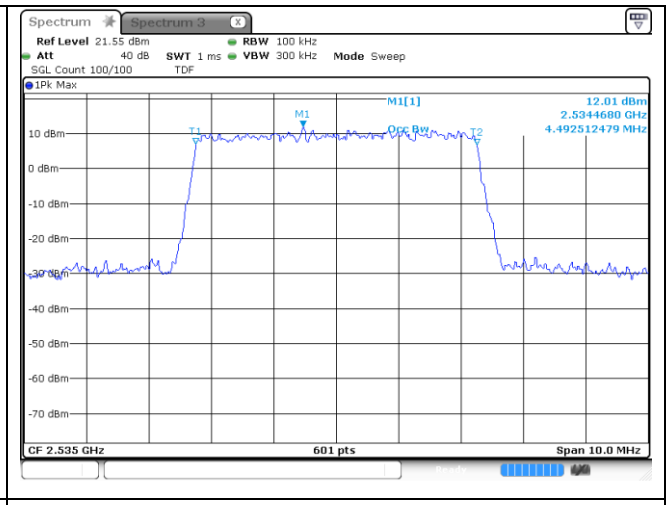
| Band | Bandwidth (㎒) | Frequency (㎒) | Occupied Bandwidth(㎒) | |
|---|---|---|---|---|
| | | | QPSK | 16QAM |
| 7 | 5 | 2 535.0 | 4.509 | 4.493 |
| | 10 | | 8.952 | 8.952 |
| | 15 | | 13.428 | 13.478 |
| | 20 | | 17.903 | 17.903 |
| 12 | 1.4 | 707.5 | 1.093 | 1.093 |
| | 3 | | 2.686 | 2.676 |
| | 5 | | 4.493 | 4.493 |
| | 10 | | 8.952 | 8.918 |
| 13 | 5 | 782.0 | 4.493 | 4.526 |
| | 10 | | 8.952 | 8.952 |
| 14 | 5 | 793.0 | 4.501 | 4.501 |
| | 10 | | 8.973 | 8.944 |
| 25/2 | 1.4 | 1 882.5 | 1.093 | 1.098 |
| | 3 | | 2.676 | 2.676 |
| | 5 | | 4.509 | 4.493 |
| | 10 | | 8.952 | 8.885 |
| | 15 | | 13.478 | 13.478 |
| | 20 | | 17.903 | 17.903 |
| 26/5 Part 22 | 1.4 | 836.5 | 1.093 | 1.093 |
| | 3 | | 2.676 | 2.676 |
| | 5 | | 4.493 | 4.493 |
| | 10 | | 8.952 | 8.918 |
| 26 Part 22 | 15 | 831.5 | 13.478 | 13.428 |
| 26 Part 90 | 1.4 | 819.0 | 1.098 | 1.093 |
| | 3 | | 2.676 | 2.676 |
| | 5 | | 4.509 | 4.526 |
| | 10 | | 8.918 | 8.918 |
| | 15 | 821.5 | 13.428 | 13.478 |
| 66/4 | 1.4 | 1 745.0 | 1.093 | 1.093 |
| | 3 | | 2.676 | 2.686 |
| | 5 | | 4.493 | 4.493 |
| | 10 | | 8.952 | 8.952 |
| | 15 | | 13.527 | 13.478 |
| | 20 | | 17.903 | 17.903 |
| 71 | 5 | 680.5 | 4.509 | 4.493 |
| | 10 | | 8.952 | 8.952 |
| | 15 | | 13.478 | 13.428 |
| | 20 | | 17.970 | 17.837 |

**- Test plots**

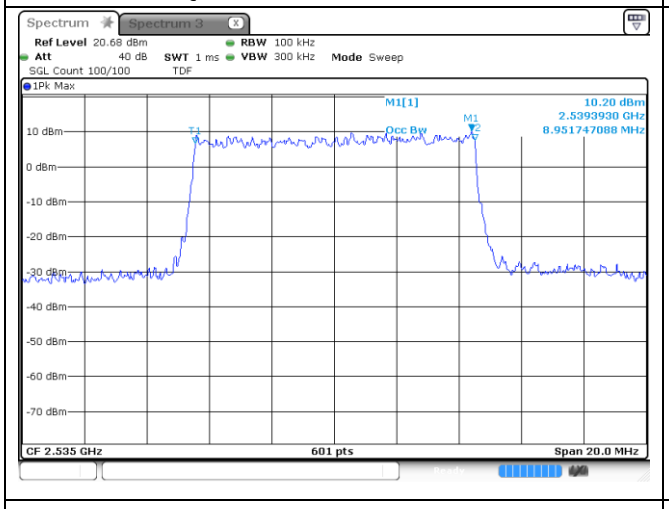
**LTE band 7**



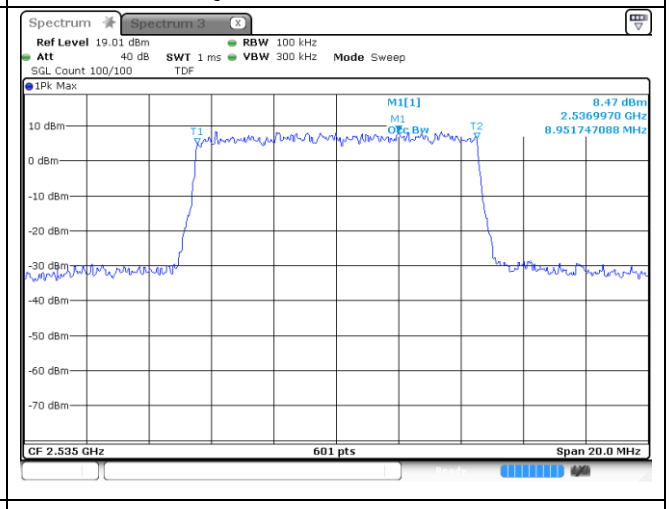

5 ㎒ QPSK Middle Channel - Full RB



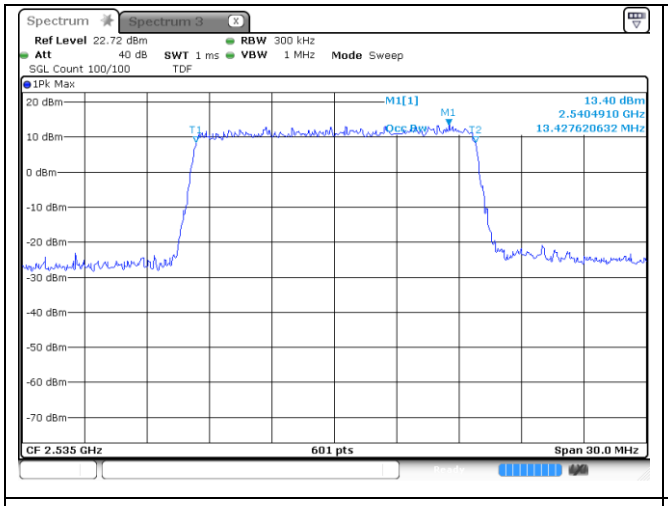

5 ㎒ 16QAM Middle Channel - Full RB



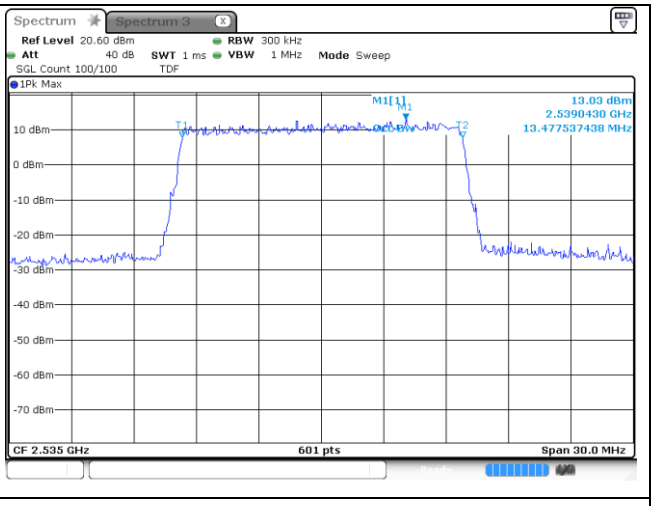

10 ㎒ QPSK Middle Channel - Full RB



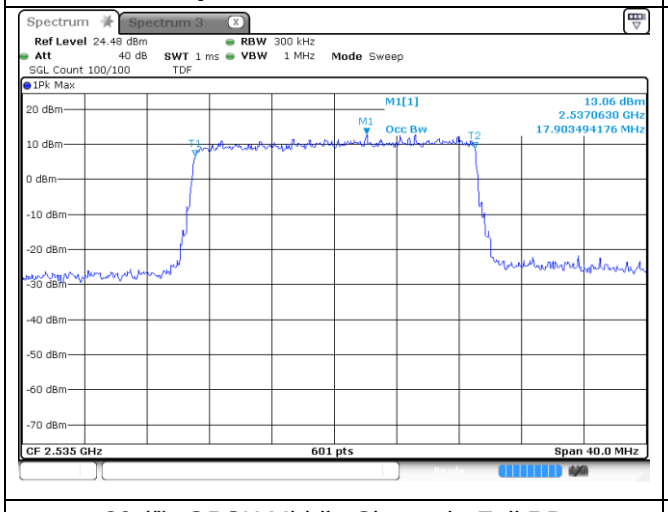

10 ㎒ 16QAM Middle Channel - Full RB



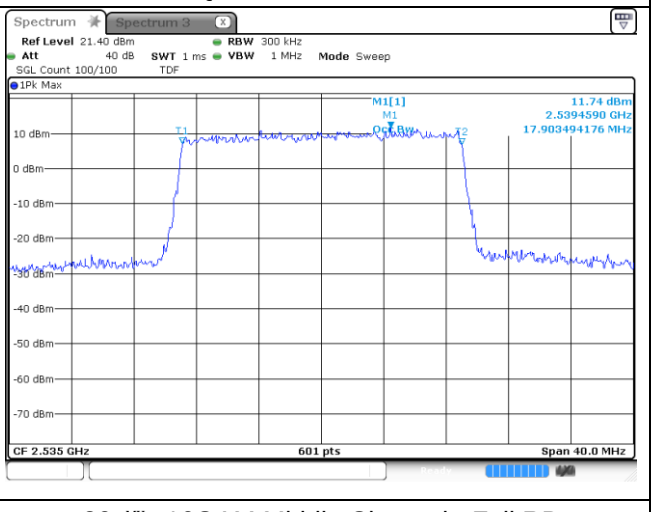

15 ㎒ QPSK Middle Channel - Full RB




15 ㎒ 16QAM Middle Channel - Full RB

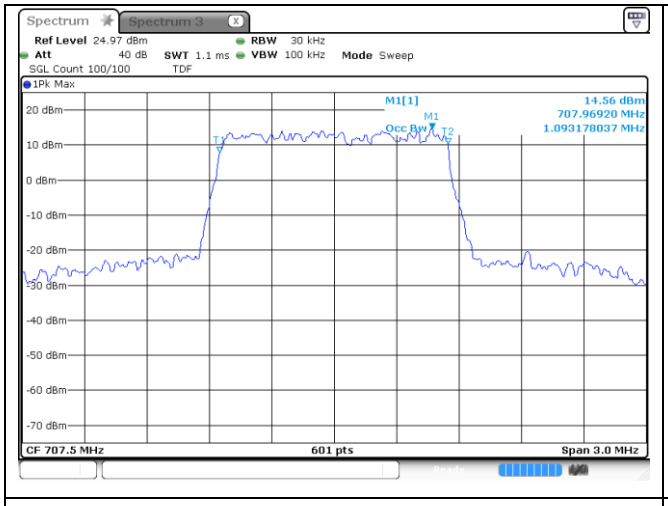



20 ㎒ QPSK Middle Channel - Full RB

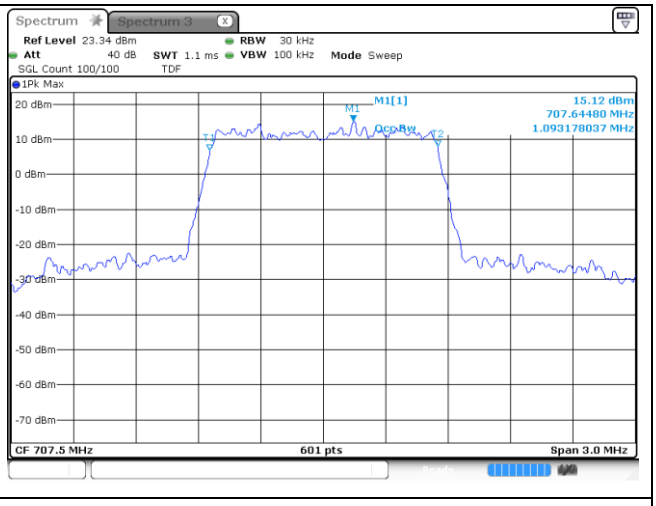



20 ㎒ 16QAM Middle Channel - Full RB

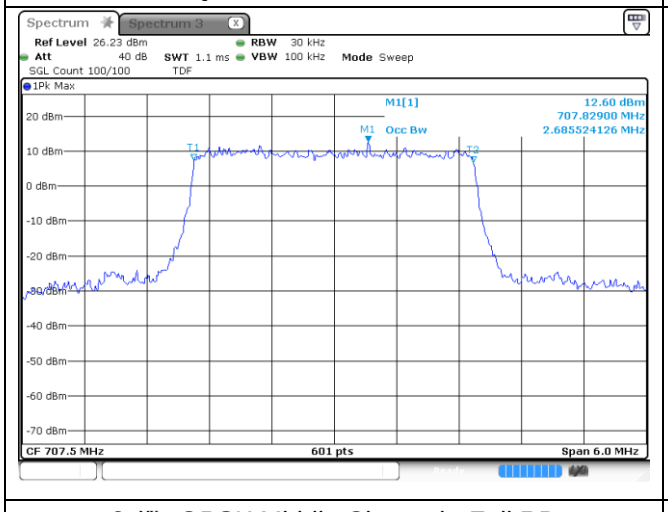
**LTE band 12**



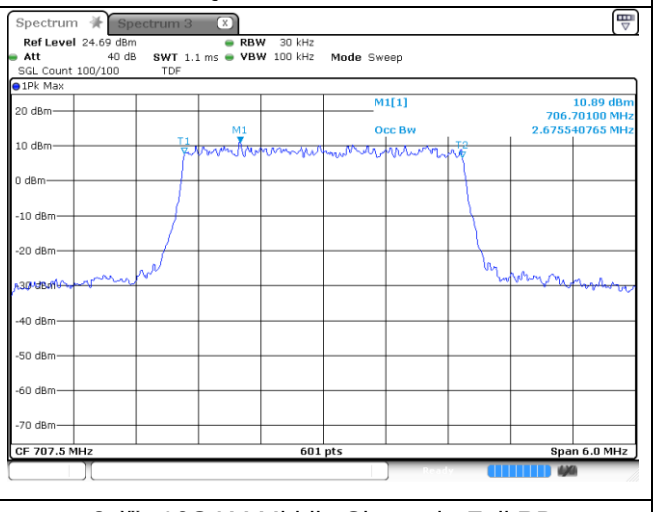

1.4 ㎒ QPSK Middle Channel - Full RB



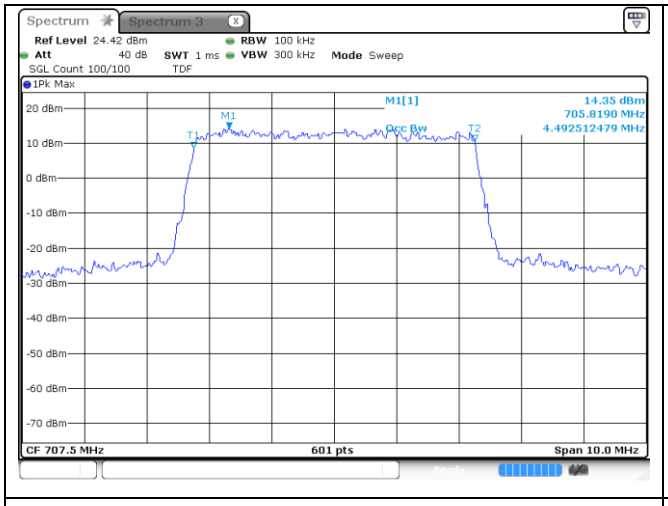

1.4 ㎒ 16QAM Middle Channel - Full RB



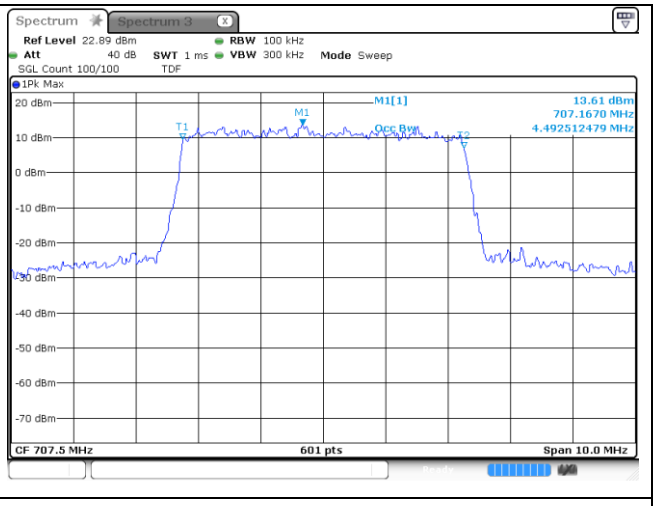

3 ㎒ QPSK Middle Channel - Full RB



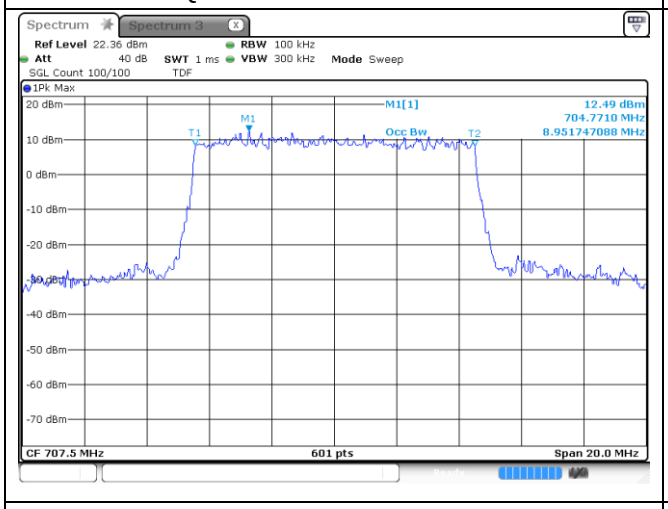

3 ㎒ 16QAM Middle Channel - Full RB



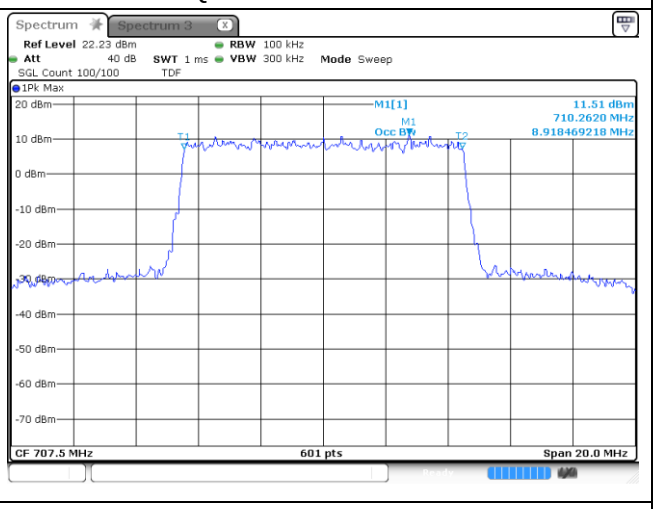

5 ㎒ QPSK Middle Channel - Full RB




5 ㎒ 16QAM Middle Channel - Full RB

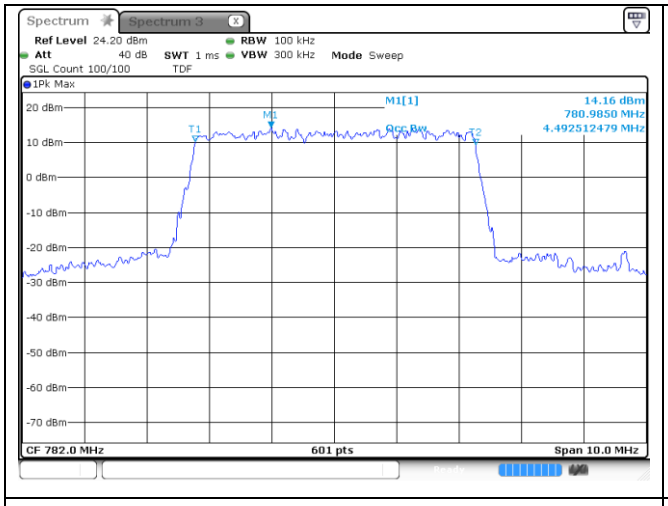



10 ㎒ QPSK Middle Channel - Full RB

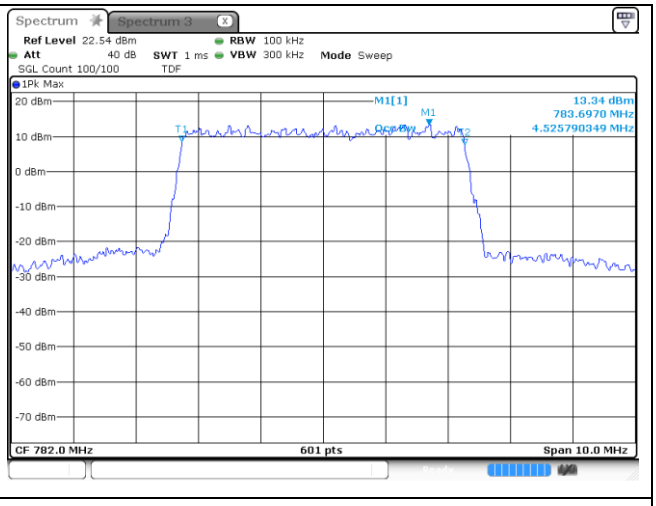



10 ㎒ 16QAM Middle Channel - Full RB

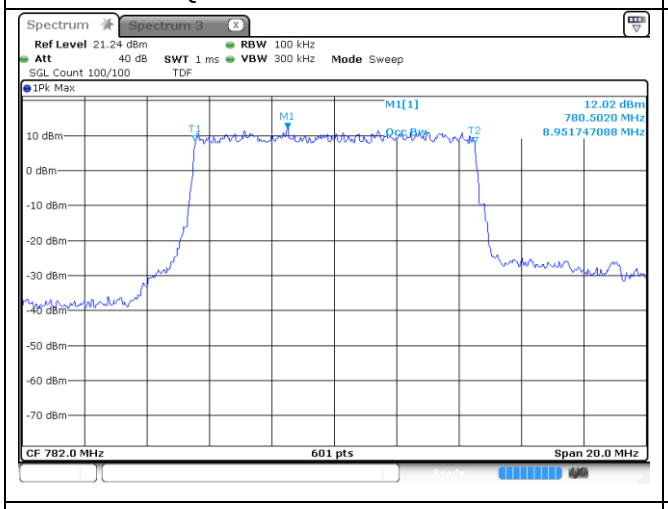
**LTE band 13**



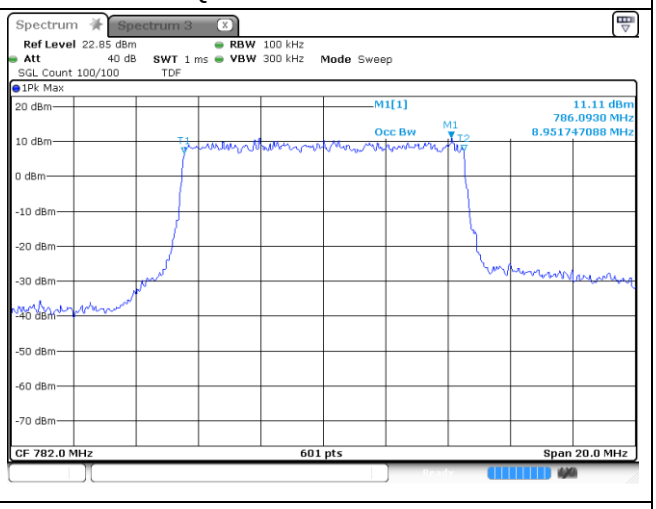

5 ㎒ QPSK Middle Channel - Full RB




5 ㎒ 16QAM Middle Channel - Full RB




10 ㎒ QPSK Middle Channel - Full RB




10 ㎒ 16QAM Middle Channel - Full RB