



REPORT No. : SZ23060216W09

# TEST REPORT

**APPLICANT** : Fibocom Wireless Inc.

**PRODUCT NAME** : LTE Module

**MODEL NAME** : FG101-NA

**BRAND NAME** : Fibocom

**FCC ID** : ZMOFG101NA20

**STANDARD(S)** : 47 CFR Part 2  
47 CFR Part 22, Subpart H  
47 CFR Part 24, Subpart E  
47 CFR Part 27, Subpart D&F&H  
47 CFR Part 27, Subpart L&M&N

**RECEIPT DATE** : 2023-06-19

**TEST DATE** : 2023-06-23 to 2023-07-06

**ISSUE DATE** : 2023-07-24



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| Change History |            |                   |
|----------------|------------|-------------------|
| Version        | Date       | Reason for change |
| 1.0            | 2023-07-24 | First edition     |
|                |            |                   |



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

|                              |                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Applicant:</b>            | Fibocom Wireless Inc.                                                                                       |
| <b>Applicant Address:</b>    | 1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China |
| <b>Manufacturer:</b>         | Fibocom Wireless Inc.                                                                                       |
| <b>Manufacturer Address:</b> | 1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China |

## 1.2. Equipment Under Test (EUT) Description

|                             |                                                                                                       |                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------|---------------------|
| <b>Product Name:</b>        | LTE Module                                                                                            |                     |
| <b>Sample No.:</b>          | 1#                                                                                                    |                     |
| <b>Hardware Version:</b>    | V1.2                                                                                                  |                     |
| <b>Software Version:</b>    | 19101.1000.01.00.20.01                                                                                |                     |
| <b>Modulation Type:</b>     | QPSK, 16QAM, 64QAM                                                                                    |                     |
| <b>Operation Band:</b>      | Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 30 / 41 / 66 / 71<br>Band 29 / 46 only support receiver |                     |
| <b>Carrier Aggregation:</b> | Only support DL                                                                                       |                     |
| <b>Frequency Range:</b>     | LTE Band 2                                                                                            | Tx: 1850MHz–1910MHz |
|                             |                                                                                                       | Rx: 1930MHz–1990MHz |
|                             | LTE Band 4                                                                                            | Tx: 1710MHz–1755MHz |
|                             |                                                                                                       | Rx: 2110MHz–2155MHz |
|                             | LTE Band 5                                                                                            | Tx: 824MHz–849MHz   |
|                             |                                                                                                       | Rx: 869MHz–894MHz   |
|                             | LTE Band 7                                                                                            | Tx: 2500MHz–2570MHz |
|                             |                                                                                                       | Rx: 2620MHz–2690MHz |
|                             | LTE Band 12                                                                                           | Tx: 699MHz–716MHz   |
|                             |                                                                                                       | Rx: 729MHz–746MHz   |
|                             | LTE Band 13                                                                                           | Tx: 777MHz–787MHz   |
|                             |                                                                                                       | Rx: 746MHz–756MHz   |



|                           |                        |                                             |
|---------------------------|------------------------|---------------------------------------------|
| <b>Frequency Range:</b>   | LTE Band 17            | Tx: 704MHz–716MHz<br>Rx: 734MHz–746MHz      |
|                           | LTE Band 25            | Tx: 1850MHz–1915MHz<br>Rx: 1930MHz–1995MHz  |
|                           | LTE Band 26            | Tx: 824MHz–849MHz<br>Rx: 869MHz–894MHz      |
|                           | LTE Band 29            | Rx: 717MHz–728MHz                           |
|                           | LTE Band 30            | Tx: 2305MHz–2315MHz<br>Rx: 2350MHz–2360MHz  |
|                           | LTE Band 41            | Tx: 2496MHz–2690MHz<br>Rx: 2496MHz–2690MHz  |
|                           | LTE Band 46            | Rx: 5150MHz–5925MHz                         |
|                           | LTE Band 66            | Tx: 1710MHz –1780MHz<br>Rx: 2110MHz–2200MHz |
|                           | LTE Band 71            | Tx: 663MHz–698MHz<br>Rx: 617MHz–652MHz      |
| <b>Channel Bandwidth:</b> | LTE Band 2             | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz     |
|                           | LTE Band 4             | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz     |
|                           | LTE Band 5             | 1.4MHz, 3MHz, 5MHz, 10MHz                   |
|                           | LTE Band 7             | 5 MHz, 10MHz, 15MHz, 20MHz                  |
|                           | LTE Band 12            | 1.4MHz, 3 MHz, 5 MHz, 10MHz                 |
|                           | LTE Band 13            | 5 MHz, 10MHz                                |
|                           | LTE Band 17            | 5 MHz, 10MHz                                |
|                           | LTE Band 25            | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz     |
|                           | LTE Band 26            | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz            |
|                           | LTE Band 30            | 5 MHz, 10MHz                                |
|                           | LTE Band 41            | 5 MHz, 10MHz, 15MHz, 20MHz                  |
|                           | LTE Band 66            | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz     |
|                           | LTE Band 71            | 5MHz, 10MHz, 15MHz, 20MHz                   |
| <b>Antenna Type:</b>      | Fixed External Antenna |                                             |



|                      |             |         |
|----------------------|-------------|---------|
| <b>Antenna Gain:</b> | LTE Band 2  | 4.07dBi |
|                      | LTE Band 4  | 4.07dBi |
|                      | LTE Band 5  | 2.20dBi |
|                      | LTE Band 7  | 4.07dBi |
|                      | LTE Band 12 | 2.20dBi |
|                      | LTE Band 13 | 2.20dBi |
|                      | LTE Band 17 | 2.20dBi |
|                      | LTE Band 25 | 4.07dBi |
|                      | LTE Band 26 | 2.20dBi |
|                      | LTE Band 30 | 0.22dBi |
|                      | LTE Band 41 | 4.07dBi |
|                      | LTE Band 66 | 4.07dBi |
|                      | LTE Band 71 | 2.20dBi |

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



### 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

| LTE Band 2  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
|-------------|-----------------------------|-------|-------|------------------------------|---------|---------|
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          | 0.547                       | 0.447 | 0.352 | 18M0G7D                      | 18M2W7D | 18M0W7D |
| 15          | 0.543                       | 0.459 | 0.356 | 13M6G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.542                       | 0.446 | 0.353 | 9M01G7D                      | 8M97W7D | 8M99W7D |
| 5           | 0.545                       | 0.438 | 0.347 | 4M50G7D                      | 4M51W7D | 4M51W7D |
| 3           | 0.542                       | 0.446 | 0.356 | 2M70G7D                      | 2M71W7D | 2M71W7D |
| 1.4         | 0.541                       | 0.454 | 0.357 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 4  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          | 0.489                       | 0.394 | 0.322 | 18M0G7D                      | 18M0W7D | 18M0W7D |
| 15          | 0.484                       | 0.394 | 0.314 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.485                       | 0.400 | 0.319 | 9M01G7D                      | 8M98W7D | 8M98W7D |
| 5           | 0.486                       | 0.397 | 0.318 | 4M51G7D                      | 4M51W7D | 4M51W7D |
| 3           | 0.484                       | 0.397 | 0.317 | 2M70G7D                      | 2M71W7D | 2M71W7D |
| 1.4         | 0.483                       | 0.394 | 0.319 | 1M09G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 5  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 10          | 0.211                       | 0.174 | 0.137 | 9M01G7D                      | 8M96W7D | 8M98W7D |
| 5           | 0.209                       | 0.174 | 0.134 | 4M50G7D                      | 4M51W7D | 4M52W7D |
| 3           | 0.210                       | 0.173 | 0.138 | 2M70G7D                      | 2M71W7D | 2M71W7D |
| 1.4         | 0.210                       | 0.174 | 0.136 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 7  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          | 0.490                       | 0.394 | 0.313 | 17M9G7D                      | 18M0W7D | 18M0W7D |
| 15          | 0.484                       | 0.393 | 0.310 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.488                       | 0.392 | 0.313 | 9M02G7D                      | 8M98W7D | 8M99W7D |
| 5           | 0.484                       | 0.387 | 0.317 | 4M51G7D                      | 4M51W7D | 4M52W7D |
| LTE Band 12 | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 10          | 0.214                       | 0.178 | 0.139 | 8M99G7D                      | 8M98W7D | 9M00W7D |
| 5           | 0.212                       | 0.174 | 0.137 | 4M51G7D                      | 4M51W7D | 4M52W7D |
| 3           | 0.211                       | 0.174 | 0.140 | 2M70G7D                      | 2M71W7D | 2M71W7D |
| 1.4         | 0.211                       | 0.177 | 0.139 | 1M09G7D                      | 1M10W7D | 1M10W7D |



| LTE Band 13 |  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
|-------------|--|-----------------------------|-------|-------|------------------------------|---------|---------|
| BW(MHz)     |  | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 10          |  | 0.214                       | 0.169 | 0.140 | 8M99G7D                      | 8M96W7D | 8M97W7D |
| 5           |  | 0.212                       | 0.174 | 0.139 | 4M51G7D                      | 4M51W7D | 4M51W7D |
| LTE Band 17 |  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     |  | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 10          |  | 0.210                       | 0.174 | 0.139 | 9M00G7D                      | 8M97W7D | 8M99W7D |
| 5           |  | 0.209                       | 0.171 | 0.139 | 4M50G7D                      | 4M51W7D | 4M52W7D |
| LTE Band 25 |  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     |  | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          |  | 0.547                       | 0.438 | 0.351 | 17M9G7D                      | 17M9W7D | 18M0W7D |
| 15          |  | 0.541                       | 0.441 | 0.340 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          |  | 0.536                       | 0.437 | 0.344 | 9M01G7D                      | 8M97W7D | 8M99W7D |
| 5           |  | 0.542                       | 0.431 | 0.348 | 4M51G7D                      | 4M51W7D | 4M52W7D |
| 3           |  | 0.540                       | 0.448 | 0.342 | 2M70G7D                      | 2M71W7D | 2M71W7D |
| 1.4         |  | 0.538                       | 0.442 | 0.348 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 26 |  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     |  | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 15          |  | 0.209                       | 0.169 | 0.135 | 13M5G7D                      | 13M5W7D | 13M4W7D |
| 10          |  | 0.207                       | 0.173 | 0.133 | 9M00G7D                      | 8M97W7D | 8M99W7D |
| 5           |  | 0.204                       | 0.171 | 0.137 | 4M51G7D                      | 4M51W7D | 4M52W7D |
| 3           |  | 0.207                       | 0.174 | 0.137 | 2M71G7D                      | 2M70W7D | 2M71W7D |
| 1.4         |  | 0.208                       | 0.174 | 0.137 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 30 |  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     |  | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 10          |  | 0.204                       | 0.160 | 0.128 | 9M01G7D                      | 8M96W7D | 8M98W7D |
| 5           |  | 0.201                       | 0.162 | 0.129 | 4M52G7D                      | 4M51W7D | 4M52W7D |
| LTE Band 66 |  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     |  | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          |  | 0.488                       | 0.391 | 0.308 | 18M0G7D                      | 18M0W7D | 18M0W7D |
| 15          |  | 0.481                       | 0.392 | 0.309 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          |  | 0.485                       | 0.389 | 0.313 | 9M02G7D                      | 8M97W7D | 9M00W7D |
| 5           |  | 0.484                       | 0.394 | 0.313 | 4M51G7D                      | 4M51W7D | 4M52W7D |
| 3           |  | 0.483                       | 0.393 | 0.312 | 2M70G7D                      | 2M71W7D | 2M71W7D |
| 1.4         |  | 0.482                       | 0.393 | 0.311 | 1M10G7D                      | 1M09W7D | 1M10W7D |



| LTE Band 71 | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
|-------------|-----------------------------|-------|-------|------------------------------|---------|---------|
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          | 0.209                       | 0.171 | 0.136 | 17M9G7D                      | 18M0W7D | 18M0W7D |
| 15          | 0.207                       | 0.174 | 0.138 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.207                       | 0.173 | 0.135 | 9M02G7D                      | 8M98W7D | 9M00W7D |
| 5           | 0.207                       | 0.174 | 0.132 | 4M51G7D                      | 4M50W7D | 4M50W7D |

| LTE Band 41 | Maximum E.R.P./E.I.R.P. (W)  |       |         |               |         |       |
|-------------|------------------------------|-------|---------|---------------|---------|-------|
|             | Power Class 2                |       |         | Power Class 3 |         |       |
| BW(MHz)     | QPSK                         | 16QAM | 64QAM   | QPSK          | 16QAM   | 64QAM |
| 20          | 0.541                        | 0.435 | 0.353   | 0.944         | 0.778   | 0.614 |
| 15          | 0.533                        | 0.432 | 0.342   | 0.938         | 0.774   | 0.617 |
| 10          | 0.528                        | 0.442 | 0.342   | 0.933         | 0.766   | 0.624 |
| 5           | 0.532                        | 0.421 | 0.343   | 0.931         | 0.764   | 0.622 |
| LTE Band 41 | Emission Designator (99%OBW) |       |         |               |         |       |
| BW(MHz)     | QPSK                         |       | 16QAM   |               | 64QAM   |       |
| 5           | 4M52G7D                      |       | 4M51W7D |               | 4M52W7D |       |
| 10          | 8M97G7D                      |       | 8M98W7D |               | 8M97W7D |       |
| 15          | 13M5G7D                      |       | 13M5W7D |               | 13M4W7D |       |
| 20          | 17M9G7D                      |       | 17M9W7D |               | 17M9W7D |       |





## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24 and Part 27 for the EUT FCC ID Certification:

| No. | Identity       | Document Title                                                                |
|-----|----------------|-------------------------------------------------------------------------------|
| 1   | 47 CFR Part 2  | Frequency Allocations and Radio Treaty Matters; General Rules and Regulations |
| 2   | 47 CFR Part 22 | Public Mobile Services                                                        |
| 3   | 47 CFR Part 24 | Personal Communications Services                                              |
| 4   | 47 CFR Part 27 | Miscellaneous Wireless Communications Services                                |

Test detailed items/section required by FCC rules and results are as below:

| Section                                                                                                          | Description                                                        | Test Date     | Test Engineer          | Result | Method Determination /Remark |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------|------------------------|--------|------------------------------|
| 2.1046<br>22.913(a)(2)<br>24.232(c)<br>27.50(a)(3)<br>27.50(b)(10)<br>27.50(c)(10)<br>27.50(d)(4)<br>27.50(h)(2) | Transmitter<br>Conducted<br>Output Power<br>and<br>E.R.P./E.I.R.P. | Jun. 29, 2023 | Chen Hao<br>Li Huaijie | PASS   | No<br>deviation              |
| 2.1049                                                                                                           | Occupied<br>Bandwidth                                              | Jul. 03, 2023 | Li Huaijie             | PASS   | No<br>deviation              |
| 2.1055<br>22.355<br>24.235<br>27.54                                                                              | Frequency<br>Stability                                             | Jul. 06, 2023 | Li Huaijie             | PASS   | No<br>deviation              |
| 24.232(d),<br>27.50(d)(5)                                                                                        | Peak to<br>Average Radio                                           | Jul. 03, 2023 | Li Huaijie             | PASS   | No<br>deviation              |
| 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(a)(4)<br>27.53(c)(2)<br>27.53(g)<br>27.53(h)<br>27.53(m)(4)            | Conducted<br>Spurious<br>Emissions                                 | Jul. 03, 2023 | Li Huaijie             | PASS   | No<br>deviation              |



|                                                                                                       |                             |               |            |      |              |
|-------------------------------------------------------------------------------------------------------|-----------------------------|---------------|------------|------|--------------|
| 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(a)(4)<br>27.53(c)(2)<br>27.53(g)<br>27.53(h)<br>27.53(m)(4) | Band Edge                   | Jul. 04, 2023 | Li Huaijie | PASS | No deviation |
| 2.1053<br>22.917(a)<br>24.238(a)<br>27.53(a)(4)<br>27.53(c)(2)<br>27.53(g)<br>27.53(h)<br>27.53(m)(4) | Radiated Spurious Emissions | Jul. 01, 2023 | Li Hanbin  | PASS | No deviation |

**Note 1:** The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

**Note 2:** The path loss during the RF test is calibrated to correct the results by the offset setting in the test equipments. The ref offset 24.5dB contains two parts that cable loss 14.5dB and Attenuator 10dB.

**Note 3:** Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

**Note 4:** When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

## 1.5. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

|                             |        |
|-----------------------------|--------|
| Temperature (°C):           | 15-35  |
| Relative Humidity (%):      | 30-60  |
| Atmospheric Pressure (kPa): | 86-106 |



## **2.47 CFR Part 2, Part 22H, Part 24E, Part 27 D&F&H&L&M&N Requirements**

### **2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.**

#### **2.1.1. Requirement**

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 24.232 (c) for LTE Band 2/25, Mobile and portable stations are limited to 2 watts E.I.R.P. and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

According to FCC section 22.913 (a)(2) for LTE Band 5/18/19/26, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

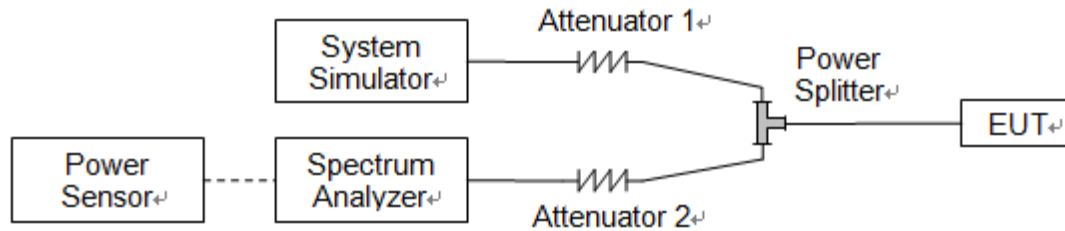
According to FCC section 27.50 (h)(2) for LTE Band 7/41, Mobile and other user stations. Mobile stations are limited to 2 watts E.I.R.P. All user stations are limited to 2 watts transmitter output power.

According to FCC section 27.50 (b)(10) for LTE Band 13, Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts E.R.P.

According to FCC section 27.50 (c)(10) for LTE Band 12/17/71, Portable stations (hand-held devices) operating in the 704-716MHz band are limited to 3watts E.R.P.

According to FCC section 27.50 (a)(3) for LTE Band 30, Mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average E.I.R.P. must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

### 2.1.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.1.3. Test Procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

$E.I.R.P. (dBm) = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$

$E.R.P. (dBm) = E.I.R.P. (dBm) - 2.15$

**2.1.4. Result****Conducted Output Power**

| LTE Band 2      |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 18700                         | 18900                            | 19100                          |
| Frequency (MHz) |            |         |           | 1860                          | 1880                             | 1900                           |
| 20              | QPSK       | 1       | 0         | 23.31                         | 23.20                            | 23.18                          |
| 20              | QPSK       | 1       | 49        | 23.25                         | 23.17                            | 23.14                          |
| 20              | QPSK       | 1       | 99        | 23.16                         | 23.12                            | 23.10                          |
| 20              | QPSK       | 50      | 0         | 22.36                         | 22.25                            | 22.23                          |
| 20              | QPSK       | 50      | 24        | 22.24                         | 22.20                            | 22.15                          |
| 20              | QPSK       | 50      | 50        | 22.13                         | 22.11                            | 22.06                          |
| 20              | QPSK       | 100     | 0         | 22.18                         | 22.16                            | 22.13                          |
| 20              | 16QAM      | 1       | 0         | 22.43                         | 22.41                            | 22.34                          |
| 20              | 16QAM      | 1       | 49        | 22.29                         | 22.30                            | 22.21                          |
| 20              | 16QAM      | 1       | 99        | 22.22                         | 22.24                            | 22.18                          |
| 20              | 16QAM      | 50      | 0         | 21.25                         | 21.22                            | 21.19                          |
| 20              | 16QAM      | 50      | 24        | 21.21                         | 21.17                            | 21.20                          |
| 20              | 16QAM      | 50      | 50        | 21.14                         | 21.02                            | 21.12                          |
| 20              | 16QAM      | 100     | 0         | 21.15                         | 21.13                            | 21.10                          |
| 20              | 64QAM      | 1       | 0         | 21.40                         | 21.36                            | 21.28                          |
| 20              | 64QAM      | 1       | 49        | 21.32                         | 21.25                            | 21.19                          |
| 20              | 64QAM      | 1       | 99        | 21.26                         | 21.23                            | 21.21                          |
| 20              | 64QAM      | 50      | 0         | 20.24                         | 20.21                            | 20.16                          |
| 20              | 64QAM      | 50      | 24        | 20.20                         | 20.15                            | 20.13                          |
| 20              | 64QAM      | 50      | 50        | 20.11                         | 20.10                            | 20.05                          |
| 20              | 64QAM      | 100     | 0         | 20.18                         | 20.16                            | 20.14                          |



| LTE Band 2      |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 18675                         | 18900                            | 19125                          |
| Frequency (MHz) |            |         |           | 1857.5                        | 1880                             | 1902.5                         |
| 15              | QPSK       | 1       | 0         | 23.28                         | 23.23                            | 23.17                          |
| 15              | QPSK       | 1       | 37        | 23.19                         | 23.16                            | 23.20                          |
| 15              | QPSK       | 1       | 74        | 23.22                         | 23.04                            | 23.13                          |
| 15              | QPSK       | 36      | 0         | 22.35                         | 22.38                            | 22.23                          |
| 15              | QPSK       | 36      | 20        | 22.20                         | 22.07                            | 22.12                          |
| 15              | QPSK       | 36      | 39        | 22.25                         | 22.13                            | 22.23                          |
| 15              | QPSK       | 75      | 0         | 22.26                         | 22.35                            | 22.32                          |
| 15              | 16QAM      | 1       | 0         | 22.55                         | 22.49                            | 22.19                          |
| 15              | 16QAM      | 1       | 37        | 22.34                         | 22.51                            | 22.44                          |
| 15              | 16QAM      | 1       | 74        | 22.14                         | 22.40                            | 22.18                          |
| 15              | 16QAM      | 36      | 0         | 21.27                         | 21.15                            | 21.13                          |
| 15              | 16QAM      | 36      | 20        | 21.26                         | 21.13                            | 21.26                          |
| 15              | 16QAM      | 36      | 39        | 21.18                         | 21.02                            | 21.22                          |
| 15              | 16QAM      | 75      | 0         | 21.32                         | 20.99                            | 21.14                          |
| 15              | 64QAM      | 1       | 0         | 21.45                         | 21.22                            | 21.23                          |
| 15              | 64QAM      | 1       | 37        | 21.33                         | 21.22                            | 21.11                          |
| 15              | 64QAM      | 1       | 74        | 21.28                         | 21.27                            | 21.22                          |
| 15              | 64QAM      | 36      | 0         | 20.36                         | 20.17                            | 20.16                          |
| 15              | 64QAM      | 36      | 20        | 20.09                         | 19.96                            | 20.12                          |
| 15              | 64QAM      | 36      | 39        | 20.17                         | 20.28                            | 20.00                          |
| 15              | 64QAM      | 75      | 0         | 20.26                         | 20.04                            | 20.10                          |



| LTE Band 2      |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 18650                         | 18900                            | 19150                          |
| Frequency (MHz) |            |         |           | 1855                          | 1880                             | 1905                           |
| 10              | QPSK       | 1       | 0         | 23.27                         | 23.23                            | 23.19                          |
| 10              | QPSK       | 1       | 25        | 23.21                         | 23.17                            | 22.94                          |
| 10              | QPSK       | 1       | 49        | 23.26                         | 23.07                            | 23.16                          |
| 10              | QPSK       | 25      | 0         | 22.37                         | 22.20                            | 22.18                          |
| 10              | QPSK       | 25      | 12        | 22.29                         | 22.34                            | 22.14                          |
| 10              | QPSK       | 25      | 25        | 22.16                         | 22.00                            | 22.30                          |
| 10              | QPSK       | 50      | 0         | 22.16                         | 22.25                            | 22.36                          |
| 10              | 16QAM      | 1       | 0         | 22.40                         | 22.38                            | 22.26                          |
| 10              | 16QAM      | 1       | 25        | 22.19                         | 22.10                            | 22.42                          |
| 10              | 16QAM      | 1       | 49        | 22.37                         | 22.29                            | 22.34                          |
| 10              | 16QAM      | 25      | 0         | 21.24                         | 21.34                            | 21.13                          |
| 10              | 16QAM      | 25      | 12        | 21.38                         | 21.30                            | 21.31                          |
| 10              | 16QAM      | 25      | 25        | 21.14                         | 21.27                            | 21.32                          |
| 10              | 16QAM      | 50      | 0         | 21.18                         | 21.15                            | 21.14                          |
| 10              | 64QAM      | 1       | 0         | 21.40                         | 21.41                            | 21.24                          |
| 10              | 64QAM      | 1       | 25        | 21.19                         | 21.19                            | 21.22                          |
| 10              | 64QAM      | 1       | 49        | 21.25                         | 21.08                            | 21.20                          |
| 10              | 64QAM      | 25      | 0         | 20.27                         | 20.35                            | 20.33                          |
| 10              | 64QAM      | 25      | 12        | 20.31                         | 20.12                            | 20.19                          |
| 10              | 64QAM      | 25      | 25        | 20.21                         | 20.10                            | 20.04                          |
| 10              | 64QAM      | 50      | 0         | 20.31                         | 20.12                            | 19.98                          |



| LTE Band 2      |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 18625                         | 18900                            | 19175                          |
| Frequency (MHz) |            |         |           | 1852.5                        | 1880                             | 1907.5                         |
| 5               | QPSK       | 1       | 0         | 23.29                         | 23.22                            | 23.19                          |
| 5               | QPSK       | 1       | 12        | 23.23                         | 23.19                            | 23.22                          |
| 5               | QPSK       | 1       | 24        | 23.28                         | 23.15                            | 23.17                          |
| 5               | QPSK       | 12      | 0         | 22.33                         | 22.33                            | 22.28                          |
| 5               | QPSK       | 12      | 7         | 22.40                         | 22.16                            | 22.17                          |
| 5               | QPSK       | 12      | 13        | 22.09                         | 22.13                            | 22.17                          |
| 5               | QPSK       | 25      | 0         | 22.21                         | 22.19                            | 22.00                          |
| 5               | 16QAM      | 1       | 0         | 22.34                         | 22.32                            | 22.19                          |
| 5               | 16QAM      | 1       | 12        | 22.30                         | 22.22                            | 22.02                          |
| 5               | 16QAM      | 1       | 24        | 22.04                         | 22.26                            | 22.13                          |
| 5               | 16QAM      | 12      | 0         | 21.37                         | 21.24                            | 21.17                          |
| 5               | 16QAM      | 12      | 7         | 21.27                         | 21.18                            | 21.08                          |
| 5               | 16QAM      | 12      | 13        | 21.26                         | 20.87                            | 21.08                          |
| 5               | 16QAM      | 25      | 0         | 21.05                         | 21.35                            | 21.05                          |
| 5               | 64QAM      | 1       | 0         | 21.20                         | 21.27                            | 21.19                          |
| 5               | 64QAM      | 1       | 12        | 21.12                         | 21.18                            | 21.24                          |
| 5               | 64QAM      | 1       | 24        | 21.10                         | 21.12                            | 21.33                          |
| 5               | 64QAM      | 12      | 0         | 20.32                         | 20.20                            | 20.18                          |
| 5               | 64QAM      | 12      | 7         | 20.06                         | 20.08                            | 20.19                          |
| 5               | 64QAM      | 12      | 13        | 20.23                         | 20.18                            | 20.17                          |
| 5               | 64QAM      | 25      | 0         | 20.34                         | 20.03                            | 20.00                          |





| LTE Band 2      |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 18615                         | 18900                            | 19185                          |
| Frequency (MHz) |            |         |           | 1851.5                        | 1880                             | 1908.5                         |
| 3               | QPSK       | 1       | 0         | 23.27                         | 23.23                            | 23.07                          |
| 3               | QPSK       | 1       | 8         | 23.22                         | 23.25                            | 23.10                          |
| 3               | QPSK       | 1       | 14        | 23.19                         | 22.95                            | 23.08                          |
| 3               | QPSK       | 8       | 0         | 22.37                         | 22.34                            | 22.35                          |
| 3               | QPSK       | 8       | 4         | 22.35                         | 22.32                            | 21.99                          |
| 3               | QPSK       | 8       | 7         | 22.00                         | 22.11                            | 22.10                          |
| 3               | QPSK       | 15      | 0         | 21.98                         | 22.21                            | 21.96                          |
| 3               | 16QAM      | 1       | 0         | 22.30                         | 22.37                            | 22.25                          |
| 3               | 16QAM      | 1       | 8         | 22.16                         | 22.42                            | 22.20                          |
| 3               | 16QAM      | 1       | 14        | 22.16                         | 22.18                            | 22.38                          |
| 3               | 16QAM      | 8       | 0         | 21.42                         | 21.32                            | 21.09                          |
| 3               | 16QAM      | 8       | 4         | 21.03                         | 21.26                            | 21.38                          |
| 3               | 16QAM      | 8       | 7         | 21.30                         | 21.20                            | 21.09                          |
| 3               | 16QAM      | 15      | 0         | 21.17                         | 20.98                            | 21.03                          |
| 3               | 64QAM      | 1       | 0         | 21.45                         | 21.35                            | 21.16                          |
| 3               | 64QAM      | 1       | 8         | 21.45                         | 21.28                            | 21.11                          |
| 3               | 64QAM      | 1       | 14        | 21.36                         | 21.14                            | 21.26                          |
| 3               | 64QAM      | 8       | 0         | 20.10                         | 20.11                            | 20.34                          |
| 3               | 64QAM      | 8       | 4         | 20.17                         | 20.34                            | 20.23                          |
| 3               | 64QAM      | 8       | 7         | 20.15                         | 20.28                            | 20.18                          |
| 3               | 64QAM      | 15      | 0         | 20.03                         | 20.11                            | 20.04                          |



| LTE Band 2      |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 18607                         | 18900                            | 19193                          |
| Frequency (MHz) |            |         |           | 1850.7                        | 1880                             | 1909.3                         |
| 1.4             | QPSK       | 1       | 0         | 23.26                         | 23.20                            | 23.16                          |
| 1.4             | QPSK       | 1       | 3         | 23.23                         | 22.98                            | 23.13                          |
| 1.4             | QPSK       | 1       | 5         | 23.06                         | 22.99                            | 22.90                          |
| 1.4             | QPSK       | 3       | 0         | 22.38                         | 22.26                            | 22.17                          |
| 1.4             | QPSK       | 3       | 1         | 22.48                         | 22.24                            | 22.11                          |
| 1.4             | QPSK       | 3       | 3         | 22.31                         | 22.12                            | 22.13                          |
| 1.4             | QPSK       | 6       | 0         | 22.06                         | 22.15                            | 22.32                          |
| 1.4             | 16QAM      | 1       | 0         | 22.31                         | 22.22                            | 22.16                          |
| 1.4             | 16QAM      | 1       | 3         | 22.47                         | 22.50                            | 22.36                          |
| 1.4             | 16QAM      | 1       | 5         | 22.47                         | 22.45                            | 22.42                          |
| 1.4             | 16QAM      | 3       | 0         | 21.15                         | 21.26                            | 21.10                          |
| 1.4             | 16QAM      | 3       | 1         | 21.18                         | 21.28                            | 21.18                          |
| 1.4             | 16QAM      | 3       | 3         | 21.25                         | 21.13                            | 21.17                          |
| 1.4             | 16QAM      | 6       | 0         | 21.36                         | 21.08                            | 21.07                          |
| 1.4             | 64QAM      | 1       | 0         | 21.41                         | 21.17                            | 21.23                          |
| 1.4             | 64QAM      | 1       | 3         | 21.37                         | 21.12                            | 21.13                          |
| 1.4             | 64QAM      | 1       | 5         | 21.30                         | 21.46                            | 21.15                          |
| 1.4             | 64QAM      | 3       | 0         | 20.34                         | 20.39                            | 20.30                          |
| 1.4             | 64QAM      | 3       | 1         | 20.11                         | 20.13                            | 20.29                          |
| 1.4             | 64QAM      | 3       | 3         | 20.33                         | 20.13                            | 20.15                          |
| 1.4             | 64QAM      | 6       | 0         | 20.28                         | 20.17                            | 20.03                          |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20050                               | 20175                                  | 20300                                |
| Frequency (MHz) |            |            |              | 1720                                | 1732.5                                 | 1745                                 |
| 20              | QPSK       | 1          | 0            | 22.82                               | 22.80                                  | 22.76                                |
| 20              | QPSK       | 1          | 49           | 22.80                               | 22.66                                  | 22.68                                |
| 20              | QPSK       | 1          | 99           | 22.71                               | 22.56                                  | 22.51                                |
| 20              | QPSK       | 50         | 0            | 21.85                               | 21.77                                  | 21.81                                |
| 20              | QPSK       | 50         | 24           | 21.74                               | 21.78                                  | 21.80                                |
| 20              | QPSK       | 50         | 50           | 21.76                               | 21.75                                  | 21.66                                |
| 20              | QPSK       | 100        | 0            | 21.70                               | 21.70                                  | 21.61                                |
| 20              | 16QAM      | 1          | 0            | 21.88                               | 21.87                                  | 21.70                                |
| 20              | 16QAM      | 1          | 49           | 21.70                               | 21.83                                  | 21.61                                |
| 20              | 16QAM      | 1          | 99           | 21.71                               | 21.80                                  | 21.58                                |
| 20              | 16QAM      | 50         | 0            | 20.79                               | 20.76                                  | 20.86                                |
| 20              | 16QAM      | 50         | 24           | 20.86                               | 20.70                                  | 20.72                                |
| 20              | 16QAM      | 50         | 50           | 20.56                               | 20.66                                  | 20.54                                |
| 20              | 16QAM      | 100        | 0            | 20.83                               | 20.77                                  | 20.78                                |
| 20              | 64QAM      | 1          | 0            | 20.95                               | 20.89                                  | 20.75                                |
| 20              | 64QAM      | 1          | 49           | 20.96                               | 20.91                                  | 20.89                                |
| 20              | 64QAM      | 1          | 99           | 20.86                               | 20.76                                  | 21.01                                |
| 20              | 64QAM      | 50         | 0            | 19.88                               | 19.85                                  | 19.76                                |
| 20              | 64QAM      | 50         | 24           | 19.74                               | 19.84                                  | 19.92                                |
| 20              | 64QAM      | 50         | 50           | 19.76                               | 19.57                                  | 19.89                                |
| 20              | 64QAM      | 100        | 0            | 19.84                               | 19.77                                  | 19.54                                |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20025                               | 20175                                  | 20325                                |
| Frequency (MHz) |            |            |              | 1717.5                              | 1732.5                                 | 1747.5                               |
| 15              | QPSK       | 1          | 0            | 22.78                               | 22.75                                  | 22.72                                |
| 15              | QPSK       | 1          | 37           | 22.72                               | 22.60                                  | 22.70                                |
| 15              | QPSK       | 1          | 74           | 22.63                               | 22.72                                  | 22.62                                |
| 15              | QPSK       | 36         | 0            | 21.90                               | 21.80                                  | 21.73                                |
| 15              | QPSK       | 36         | 20           | 21.88                               | 21.74                                  | 21.77                                |
| 15              | QPSK       | 36         | 39           | 21.74                               | 21.63                                  | 21.66                                |
| 15              | QPSK       | 75         | 0            | 21.83                               | 21.60                                  | 21.71                                |
| 15              | 16QAM      | 1          | 0            | 21.85                               | 21.88                                  | 21.75                                |
| 15              | 16QAM      | 1          | 37           | 21.78                               | 21.85                                  | 21.63                                |
| 15              | 16QAM      | 1          | 74           | 21.71                               | 21.73                                  | 21.70                                |
| 15              | 16QAM      | 36         | 0            | 20.78                               | 20.77                                  | 20.81                                |
| 15              | 16QAM      | 36         | 20           | 20.68                               | 20.74                                  | 20.70                                |
| 15              | 16QAM      | 36         | 39           | 20.64                               | 20.65                                  | 20.53                                |
| 15              | 16QAM      | 75         | 0            | 20.73                               | 20.55                                  | 20.71                                |
| 15              | 64QAM      | 1          | 0            | 20.90                               | 20.85                                  | 20.81                                |
| 15              | 64QAM      | 1          | 37           | 20.83                               | 20.81                                  | 20.73                                |
| 15              | 64QAM      | 1          | 74           | 20.84                               | 20.65                                  | 20.76                                |
| 15              | 64QAM      | 36         | 0            | 19.80                               | 19.72                                  | 19.64                                |
| 15              | 64QAM      | 36         | 20           | 19.71                               | 19.84                                  | 19.89                                |
| 15              | 64QAM      | 36         | 39           | 19.89                               | 19.75                                  | 19.63                                |
| 15              | 64QAM      | 75         | 0            | 19.82                               | 19.81                                  | 19.79                                |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20000                               | 20175                                  | 20350                                |
| Frequency (MHz) |            |            |              | 1715                                | 1732.5                                 | 1750                                 |
| 10              | QPSK       | 1          | 0            | 22.79                               | 22.77                                  | 22.74                                |
| 10              | QPSK       | 1          | 25           | 22.77                               | 22.71                                  | 22.60                                |
| 10              | QPSK       | 1          | 49           | 22.61                               | 22.54                                  | 22.75                                |
| 10              | QPSK       | 25         | 0            | 21.85                               | 21.76                                  | 21.84                                |
| 10              | QPSK       | 25         | 12           | 21.79                               | 21.77                                  | 21.79                                |
| 10              | QPSK       | 25         | 25           | 21.63                               | 21.79                                  | 21.60                                |
| 10              | QPSK       | 50         | 0            | 21.84                               | 21.76                                  | 21.78                                |
| 10              | 16QAM      | 1          | 0            | 21.92                               | 21.95                                  | 21.83                                |
| 10              | 16QAM      | 1          | 25           | 21.86                               | 21.82                                  | 21.83                                |
| 10              | 16QAM      | 1          | 49           | 21.92                               | 21.77                                  | 21.85                                |
| 10              | 16QAM      | 25         | 0            | 20.65                               | 20.84                                  | 20.63                                |
| 10              | 16QAM      | 25         | 12           | 20.90                               | 20.86                                  | 20.85                                |
| 10              | 16QAM      | 25         | 25           | 20.86                               | 20.84                                  | 20.86                                |
| 10              | 16QAM      | 50         | 0            | 20.83                               | 20.83                                  | 20.67                                |
| 10              | 64QAM      | 1          | 0            | 20.84                               | 20.81                                  | 20.90                                |
| 10              | 64QAM      | 1          | 25           | 20.73                               | 20.76                                  | 20.90                                |
| 10              | 64QAM      | 1          | 49           | 20.97                               | 20.86                                  | 20.75                                |
| 10              | 64QAM      | 25         | 0            | 19.98                               | 19.93                                  | 19.79                                |
| 10              | 64QAM      | 25         | 12           | 19.86                               | 19.73                                  | 19.62                                |
| 10              | 64QAM      | 25         | 25           | 19.92                               | 19.69                                  | 19.63                                |
| 10              | 64QAM      | 50         | 0            | 19.68                               | 19.84                                  | 19.69                                |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 19975                               | 20175                                  | 20375                                |
| Frequency (MHz) |            |            |              | 1712.5                              | 1732.5                                 | 1752.5                               |
| 5               | QPSK       | 1          | 0            | 22.80                               | 22.79                                  | 22.72                                |
| 5               | QPSK       | 1          | 12           | 22.68                               | 22.73                                  | 22.72                                |
| 5               | QPSK       | 1          | 24           | 22.68                               | 22.71                                  | 22.51                                |
| 5               | QPSK       | 12         | 0            | 21.92                               | 21.92                                  | 21.75                                |
| 5               | QPSK       | 12         | 7            | 21.73                               | 21.82                                  | 21.69                                |
| 5               | QPSK       | 12         | 13           | 21.85                               | 21.78                                  | 21.52                                |
| 5               | QPSK       | 25         | 0            | 21.65                               | 21.87                                  | 21.67                                |
| 5               | 16QAM      | 1          | 0            | 21.85                               | 21.91                                  | 21.86                                |
| 5               | 16QAM      | 1          | 12           | 21.79                               | 21.92                                  | 21.72                                |
| 5               | 16QAM      | 1          | 24           | 21.77                               | 21.67                                  | 21.76                                |
| 5               | 16QAM      | 12         | 0            | 20.91                               | 20.86                                  | 20.76                                |
| 5               | 16QAM      | 12         | 7            | 20.75                               | 20.79                                  | 20.81                                |
| 5               | 16QAM      | 12         | 13           | 20.67                               | 20.84                                  | 20.77                                |
| 5               | 16QAM      | 25         | 0            | 20.89                               | 20.61                                  | 20.72                                |
| 5               | 64QAM      | 1          | 0            | 20.95                               | 20.91                                  | 20.96                                |
| 5               | 64QAM      | 1          | 12           | 20.92                               | 20.83                                  | 20.96                                |
| 5               | 64QAM      | 1          | 24           | 20.84                               | 20.85                                  | 20.91                                |
| 5               | 64QAM      | 12         | 0            | 19.83                               | 19.95                                  | 19.98                                |
| 5               | 64QAM      | 12         | 7            | 19.94                               | 19.60                                  | 19.97                                |
| 5               | 64QAM      | 12         | 13           | 19.77                               | 19.78                                  | 19.70                                |
| 5               | 64QAM      | 25         | 0            | 19.80                               | 19.86                                  | 19.85                                |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 19965                               | 20175                                  | 20385                                |
| Frequency (MHz) |            |            |              | 1711.5                              | 1732.5                                 | 1753.5                               |
| 3               | QPSK       | 1          | 0            | 22.78                               | 22.76                                  | 22.66                                |
| 3               | QPSK       | 1          | 8            | 22.69                               | 22.73                                  | 22.71                                |
| 3               | QPSK       | 1          | 14           | 22.65                               | 22.64                                  | 22.67                                |
| 3               | QPSK       | 8          | 0            | 21.76                               | 21.81                                  | 21.64                                |
| 3               | QPSK       | 8          | 4            | 21.80                               | 21.79                                  | 21.80                                |
| 3               | QPSK       | 8          | 7            | 21.84                               | 21.57                                  | 21.67                                |
| 3               | QPSK       | 15         | 0            | 21.76                               | 21.76                                  | 21.64                                |
| 3               | 16QAM      | 1          | 0            | 21.92                               | 21.90                                  | 21.89                                |
| 3               | 16QAM      | 1          | 8            | 21.87                               | 21.75                                  | 21.85                                |
| 3               | 16QAM      | 1          | 14           | 21.86                               | 21.91                                  | 21.60                                |
| 3               | 16QAM      | 8          | 0            | 20.92                               | 20.84                                  | 20.77                                |
| 3               | 16QAM      | 8          | 4            | 20.83                               | 20.70                                  | 20.81                                |
| 3               | 16QAM      | 8          | 7            | 20.69                               | 20.61                                  | 20.73                                |
| 3               | 16QAM      | 15         | 0            | 20.70                               | 20.65                                  | 20.71                                |
| 3               | 64QAM      | 1          | 0            | 20.94                               | 20.92                                  | 20.75                                |
| 3               | 64QAM      | 1          | 8            | 20.86                               | 20.74                                  | 20.80                                |
| 3               | 64QAM      | 1          | 14           | 20.82                               | 20.72                                  | 20.86                                |
| 3               | 64QAM      | 8          | 0            | 19.89                               | 19.93                                  | 19.57                                |
| 3               | 64QAM      | 8          | 4            | 19.85                               | 19.79                                  | 19.76                                |
| 3               | 64QAM      | 8          | 7            | 19.52                               | 19.55                                  | 19.56                                |
| 3               | 64QAM      | 15         | 0            | 19.86                               | 19.83                                  | 19.83                                |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 19957                               | 20175                                  | 20393                                |
| Frequency (MHz) |            |            |              | 1710.7                              | 1732.5                                 | 1754.3                               |
| 1.4             | QPSK       | 1          | 0            | 22.77                               | 22.75                                  | 22.76                                |
| 1.4             | QPSK       | 1          | 3            | 22.71                               | 22.66                                  | 22.68                                |
| 1.4             | QPSK       | 1          | 5            | 22.72                               | 22.74                                  | 22.65                                |
| 1.4             | QPSK       | 3          | 0            | 21.90                               | 21.79                                  | 21.88                                |
| 1.4             | QPSK       | 3          | 1            | 21.85                               | 21.63                                  | 21.76                                |
| 1.4             | QPSK       | 3          | 3            | 21.81                               | 21.77                                  | 21.66                                |
| 1.4             | QPSK       | 6          | 0            | 21.82                               | 21.87                                  | 21.75                                |
| 1.4             | 16QAM      | 1          | 0            | 21.89                               | 21.84                                  | 21.73                                |
| 1.4             | 16QAM      | 1          | 3            | 21.85                               | 21.82                                  | 21.86                                |
| 1.4             | 16QAM      | 1          | 5            | 21.82                               | 21.71                                  | 21.72                                |
| 1.4             | 16QAM      | 3          | 0            | 20.71                               | 20.90                                  | 20.69                                |
| 1.4             | 16QAM      | 3          | 1            | 20.94                               | 20.89                                  | 20.78                                |
| 1.4             | 16QAM      | 3          | 3            | 20.92                               | 20.67                                  | 20.76                                |
| 1.4             | 16QAM      | 6          | 0            | 20.62                               | 20.86                                  | 20.94                                |
| 1.4             | 64QAM      | 1          | 0            | 20.80                               | 20.87                                  | 20.73                                |
| 1.4             | 64QAM      | 1          | 3            | 20.82                               | 20.94                                  | 20.75                                |
| 1.4             | 64QAM      | 1          | 5            | 20.96                               | 20.93                                  | 20.97                                |
| 1.4             | 64QAM      | 3          | 0            | 19.76                               | 19.74                                  | 19.79                                |
| 1.4             | 64QAM      | 3          | 1            | 19.91                               | 19.56                                  | 19.72                                |
| 1.4             | 64QAM      | 3          | 3            | 19.83                               | 19.85                                  | 19.80                                |
| 1.4             | 64QAM      | 6          | 0            | 19.84                               | 19.82                                  | 19.97                                |





| LTE Band 5      |            |         |              |                                     |                                        |                                      |
|-----------------|------------|---------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |         |              | 20450                               | 20525                                  | 20600                                |
| Frequency (MHz) |            |         |              | 829                                 | 836.5                                  | 844                                  |
| 10              | QPSK       | 1       | 0            | 23.09                               | 23.15                                  | 23.19                                |
| 10              | QPSK       | 1       | 25           | 23.08                               | 23.00                                  | 23.13                                |
| 10              | QPSK       | 1       | 49           | 22.91                               | 23.13                                  | 23.16                                |
| 10              | QPSK       | 25      | 0            | 22.02                               | 22.18                                  | 22.34                                |
| 10              | QPSK       | 25      | 12           | 22.15                               | 22.28                                  | 22.10                                |
| 10              | QPSK       | 25      | 25           | 21.99                               | 22.25                                  | 22.06                                |
| 10              | QPSK       | 50      | 0            | 22.11                               | 22.14                                  | 22.20                                |
| 10              | 16QAM      | 1       | 0            | 22.16                               | 22.32                                  | 22.36                                |
| 10              | 16QAM      | 1       | 25           | 22.24                               | 22.30                                  | 22.14                                |
| 10              | 16QAM      | 1       | 49           | 21.96                               | 22.06                                  | 22.33                                |
| 10              | 16QAM      | 25      | 0            | 21.03                               | 21.06                                  | 21.17                                |
| 10              | 16QAM      | 25      | 12           | 21.06                               | 20.98                                  | 21.11                                |
| 10              | 16QAM      | 25      | 25           | 20.93                               | 21.08                                  | 21.03                                |
| 10              | 16QAM      | 50      | 0            | 20.97                               | 21.24                                  | 21.12                                |
| 10              | 64QAM      | 1       | 0            | 21.22                               | 21.31                                  | 21.25                                |
| 10              | 64QAM      | 1       | 25           | 21.04                               | 21.14                                  | 21.09                                |
| 10              | 64QAM      | 1       | 49           | 21.03                               | 21.18                                  | 21.16                                |
| 10              | 64QAM      | 25      | 0            | 20.02                               | 20.32                                  | 20.29                                |
| 10              | 64QAM      | 25      | 12           | 20.17                               | 20.11                                  | 20.15                                |
| 10              | 64QAM      | 25      | 25           | 20.07                               | 20.15                                  | 20.18                                |
| 10              | 64QAM      | 50      | 0            | 20.14                               | 20.23                                  | 20.16                                |



| LTE Band 5      |            |         |              |                                     |                                        |                                      |
|-----------------|------------|---------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |         |              | 20425                               | 20525                                  | 20625                                |
| Frequency (MHz) |            |         |              | 826.5                               | 836.5                                  | 846.5                                |
| 5               | QPSK       | 1       | 0            | 23.06                               | 23.11                                  | 23.16                                |
| 5               | QPSK       | 1       | 12           | 23.04                               | 23.08                                  | 23.02                                |
| 5               | QPSK       | 1       | 24           | 23.02                               | 23.06                                  | 23.13                                |
| 5               | QPSK       | 12      | 0            | 22.17                               | 22.31                                  | 22.19                                |
| 5               | QPSK       | 12      | 7            | 22.24                               | 22.11                                  | 22.12                                |
| 5               | QPSK       | 12      | 13           | 22.08                               | 22.14                                  | 22.03                                |
| 5               | QPSK       | 25      | 0            | 21.93                               | 22.21                                  | 22.00                                |
| 5               | 16QAM      | 1       | 0            | 22.23                               | 22.34                                  | 22.35                                |
| 5               | 16QAM      | 1       | 12           | 22.22                               | 22.17                                  | 22.08                                |
| 5               | 16QAM      | 1       | 24           | 22.08                               | 22.19                                  | 22.07                                |
| 5               | 16QAM      | 12      | 0            | 21.08                               | 21.27                                  | 21.20                                |
| 5               | 16QAM      | 12      | 7            | 21.12                               | 21.15                                  | 21.14                                |
| 5               | 16QAM      | 12      | 13           | 21.12                               | 21.09                                  | 21.19                                |
| 5               | 16QAM      | 25      | 0            | 21.12                               | 21.01                                  | 21.15                                |
| 5               | 64QAM      | 1       | 0            | 21.11                               | 21.14                                  | 21.22                                |
| 5               | 64QAM      | 1       | 12           | 21.18                               | 21.12                                  | 21.02                                |
| 5               | 64QAM      | 1       | 24           | 21.16                               | 21.23                                  | 21.19                                |
| 5               | 64QAM      | 12      | 0            | 20.10                               | 20.21                                  | 20.18                                |
| 5               | 64QAM      | 12      | 7            | 20.09                               | 19.98                                  | 20.15                                |
| 5               | 64QAM      | 12      | 13           | 19.92                               | 20.08                                  | 19.93                                |
| 5               | 64QAM      | 25      | 0            | 20.07                               | 20.19                                  | 20.14                                |



| LTE Band 5      |            |         |              |                                     |                                        |                                      |
|-----------------|------------|---------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |         |              | 20415                               | 20525                                  | 20635                                |
| Frequency (MHz) |            |         |              | 825.5                               | 836.5                                  | 847.5                                |
| 3               | QPSK       | 1       | 0            | 23.05                               | 23.17                                  | 23.15                                |
| 3               | QPSK       | 1       | 8            | 22.93                               | 22.99                                  | 23.01                                |
| 3               | QPSK       | 1       | 14           | 23.01                               | 23.06                                  | 23.07                                |
| 3               | QPSK       | 8       | 0            | 22.10                               | 22.07                                  | 22.27                                |
| 3               | QPSK       | 8       | 4            | 22.10                               | 22.35                                  | 22.12                                |
| 3               | QPSK       | 8       | 7            | 21.94                               | 22.02                                  | 22.14                                |
| 3               | QPSK       | 15      | 0            | 22.15                               | 22.18                                  | 22.20                                |
| 3               | 16QAM      | 1       | 0            | 22.21                               | 22.33                                  | 22.19                                |
| 3               | 16QAM      | 1       | 8            | 22.05                               | 22.29                                  | 22.14                                |
| 3               | 16QAM      | 1       | 14           | 22.10                               | 22.14                                  | 22.32                                |
| 3               | 16QAM      | 8       | 0            | 21.15                               | 21.31                                  | 21.31                                |
| 3               | 16QAM      | 8       | 4            | 20.95                               | 21.29                                  | 21.23                                |
| 3               | 16QAM      | 8       | 7            | 21.10                               | 21.10                                  | 21.21                                |
| 3               | 16QAM      | 15      | 0            | 21.09                               | 21.23                                  | 21.12                                |
| 3               | 64QAM      | 1       | 0            | 21.25                               | 21.28                                  | 21.36                                |
| 3               | 64QAM      | 1       | 8            | 21.05                               | 21.06                                  | 21.07                                |
| 3               | 64QAM      | 1       | 14           | 21.10                               | 21.09                                  | 21.26                                |
| 3               | 64QAM      | 8       | 0            | 20.20                               | 20.29                                  | 20.21                                |
| 3               | 64QAM      | 8       | 4            | 20.09                               | 20.13                                  | 20.10                                |
| 3               | 64QAM      | 8       | 7            | 20.07                               | 20.06                                  | 20.05                                |
| 3               | 64QAM      | 15      | 0            | 20.03                               | 20.01                                  | 19.98                                |



| LTE Band 5      |            |         |              |                                     |                                        |                                      |
|-----------------|------------|---------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |         |              | 20407                               | 20525                                  | 20643                                |
| Frequency (MHz) |            |         |              | 824.7                               | 836.5                                  | 848.3                                |
| 1.4             | QPSK       | 1       | 0            | 23.12                               | 23.14                                  | 23.17                                |
| 1.4             | QPSK       | 1       | 3            | 23.08                               | 23.06                                  | 23.15                                |
| 1.4             | QPSK       | 1       | 5            | 22.92                               | 22.96                                  | 23.02                                |
| 1.4             | QPSK       | 3       | 0            | 22.10                               | 22.18                                  | 22.09                                |
| 1.4             | QPSK       | 3       | 1            | 22.12                               | 22.03                                  | 22.08                                |
| 1.4             | QPSK       | 3       | 3            | 22.08                               | 22.02                                  | 22.15                                |
| 1.4             | QPSK       | 6       | 0            | 21.88                               | 22.02                                  | 22.00                                |
| 1.4             | 16QAM      | 1       | 0            | 22.09                               | 22.36                                  | 22.28                                |
| 1.4             | 16QAM      | 1       | 3            | 22.16                               | 22.14                                  | 22.16                                |
| 1.4             | 16QAM      | 1       | 5            | 22.14                               | 22.14                                  | 22.28                                |
| 1.4             | 16QAM      | 3       | 0            | 21.00                               | 21.27                                  | 21.03                                |
| 1.4             | 16QAM      | 3       | 1            | 21.20                               | 21.21                                  | 21.29                                |
| 1.4             | 16QAM      | 3       | 3            | 21.06                               | 21.11                                  | 21.13                                |
| 1.4             | 16QAM      | 6       | 0            | 21.02                               | 21.05                                  | 21.25                                |
| 1.4             | 64QAM      | 1       | 0            | 21.28                               | 21.26                                  | 21.15                                |
| 1.4             | 64QAM      | 1       | 3            | 21.05                               | 21.20                                  | 21.20                                |
| 1.4             | 64QAM      | 1       | 5            | 21.09                               | 21.27                                  | 21.08                                |
| 1.4             | 64QAM      | 3       | 0            | 20.01                               | 20.14                                  | 20.15                                |
| 1.4             | 64QAM      | 3       | 1            | 20.07                               | 20.16                                  | 20.01                                |
| 1.4             | 64QAM      | 3       | 3            | 20.05                               | 20.13                                  | 20.18                                |
| 1.4             | 64QAM      | 6       | 0            | 20.16                               | 20.26                                  | 20.21                                |



| LTE Band 7      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20850                               | 21100                                  | 21350                                |
| Frequency (MHz) |            |            |              | 2510                                | 2535                                   | 2560                                 |
| 20              | QPSK       | 1          | 0            | 22.77                               | 22.83                                  | 22.75                                |
| 20              | QPSK       | 1          | 49           | 22.79                               | 22.72                                  | 22.67                                |
| 20              | QPSK       | 1          | 99           | 22.67                               | 22.72                                  | 22.75                                |
| 20              | QPSK       | 50         | 0            | 21.72                               | 21.94                                  | 21.84                                |
| 20              | QPSK       | 50         | 24           | 21.66                               | 21.82                                  | 21.85                                |
| 20              | QPSK       | 50         | 50           | 21.66                               | 21.78                                  | 21.68                                |
| 20              | QPSK       | 100        | 0            | 21.63                               | 21.85                                  | 21.88                                |
| 20              | 16QAM      | 1          | 0            | 21.74                               | 21.88                                  | 21.79                                |
| 20              | 16QAM      | 1          | 49           | 21.69                               | 21.77                                  | 21.85                                |
| 20              | 16QAM      | 1          | 99           | 21.75                               | 21.82                                  | 21.78                                |
| 20              | 16QAM      | 50         | 0            | 20.76                               | 20.86                                  | 20.83                                |
| 20              | 16QAM      | 50         | 24           | 20.80                               | 20.81                                  | 20.81                                |
| 20              | 16QAM      | 50         | 50           | 20.57                               | 20.50                                  | 20.78                                |
| 20              | 16QAM      | 100        | 0            | 20.63                               | 20.58                                  | 20.69                                |
| 20              | 64QAM      | 1          | 0            | 20.71                               | 20.89                                  | 20.80                                |
| 20              | 64QAM      | 1          | 49           | 20.73                               | 20.69                                  | 20.77                                |
| 20              | 64QAM      | 1          | 99           | 20.59                               | 20.67                                  | 20.63                                |
| 20              | 64QAM      | 50         | 0            | 19.70                               | 19.78                                  | 19.70                                |
| 20              | 64QAM      | 50         | 24           | 19.71                               | 19.84                                  | 19.68                                |
| 20              | 64QAM      | 50         | 50           | 19.52                               | 19.71                                  | 19.71                                |
| 20              | 64QAM      | 100        | 0            | 19.75                               | 19.63                                  | 19.75                                |



| LTE Band 7      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20825                               | 21100                                  | 21375                                |
| Frequency (MHz) |            |            |              | 2507.5                              | 2535                                   | 2562.5                               |
| 15              | QPSK       | 1          | 0            | 22.71                               | 22.78                                  | 22.74                                |
| 15              | QPSK       | 1          | 37           | 22.73                               | 22.69                                  | 22.57                                |
| 15              | QPSK       | 1          | 74           | 22.50                               | 22.70                                  | 22.66                                |
| 15              | QPSK       | 36         | 0            | 21.74                               | 21.84                                  | 21.88                                |
| 15              | QPSK       | 36         | 20           | 21.67                               | 21.77                                  | 21.78                                |
| 15              | QPSK       | 36         | 39           | 21.56                               | 21.61                                  | 21.61                                |
| 15              | QPSK       | 75         | 0            | 21.67                               | 21.81                                  | 21.68                                |
| 15              | 16QAM      | 1          | 0            | 21.87                               | 21.78                                  | 21.75                                |
| 15              | 16QAM      | 1          | 37           | 21.58                               | 21.64                                  | 21.63                                |
| 15              | 16QAM      | 1          | 74           | 21.64                               | 21.69                                  | 21.62                                |
| 15              | 16QAM      | 36         | 0            | 20.85                               | 20.85                                  | 20.72                                |
| 15              | 16QAM      | 36         | 20           | 20.59                               | 20.63                                  | 20.68                                |
| 15              | 16QAM      | 36         | 39           | 20.69                               | 20.56                                  | 20.73                                |
| 15              | 16QAM      | 75         | 0            | 20.55                               | 20.60                                  | 20.58                                |
| 15              | 64QAM      | 1          | 0            | 20.68                               | 20.85                                  | 20.74                                |
| 15              | 64QAM      | 1          | 37           | 20.64                               | 20.77                                  | 20.69                                |
| 15              | 64QAM      | 1          | 74           | 20.79                               | 20.72                                  | 20.75                                |
| 15              | 64QAM      | 36         | 0            | 19.79                               | 19.64                                  | 19.61                                |
| 15              | 64QAM      | 36         | 20           | 19.56                               | 19.64                                  | 19.60                                |
| 15              | 64QAM      | 36         | 39           | 19.57                               | 19.60                                  | 19.58                                |
| 15              | 64QAM      | 75         | 0            | 19.50                               | 19.69                                  | 19.66                                |



| LTE Band 7      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20800                               | 21100                                  | 21400                                |
| Frequency (MHz) |            |            |              | 2505                                | 2535                                   | 2565                                 |
| 10              | QPSK       | 1          | 0            | 22.69                               | 22.76                                  | 22.81                                |
| 10              | QPSK       | 1          | 25           | 22.60                               | 22.67                                  | 22.60                                |
| 10              | QPSK       | 1          | 49           | 22.62                               | 22.61                                  | 22.68                                |
| 10              | QPSK       | 25         | 0            | 21.84                               | 21.79                                  | 21.69                                |
| 10              | QPSK       | 25         | 12           | 21.51                               | 21.71                                  | 21.84                                |
| 10              | QPSK       | 25         | 25           | 21.52                               | 21.60                                  | 21.77                                |
| 10              | QPSK       | 50         | 0            | 21.55                               | 21.78                                  | 21.68                                |
| 10              | 16QAM      | 1          | 0            | 21.81                               | 21.86                                  | 21.80                                |
| 10              | 16QAM      | 1          | 25           | 21.61                               | 21.74                                  | 21.72                                |
| 10              | 16QAM      | 1          | 49           | 21.72                               | 21.70                                  | 21.71                                |
| 10              | 16QAM      | 25         | 0            | 20.72                               | 20.78                                  | 20.73                                |
| 10              | 16QAM      | 25         | 12           | 20.63                               | 20.78                                  | 20.72                                |
| 10              | 16QAM      | 25         | 25           | 20.60                               | 20.42                                  | 20.57                                |
| 10              | 16QAM      | 50         | 0            | 20.63                               | 20.84                                  | 20.81                                |
| 10              | 64QAM      | 1          | 0            | 20.83                               | 20.78                                  | 20.88                                |
| 10              | 64QAM      | 1          | 25           | 20.58                               | 20.78                                  | 20.76                                |
| 10              | 64QAM      | 1          | 49           | 20.86                               | 20.68                                  | 20.75                                |
| 10              | 64QAM      | 25         | 0            | 19.73                               | 19.83                                  | 19.84                                |
| 10              | 64QAM      | 25         | 12           | 19.56                               | 19.56                                  | 19.71                                |
| 10              | 64QAM      | 25         | 25           | 19.56                               | 19.76                                  | 19.59                                |
| 10              | 64QAM      | 50         | 0            | 19.63                               | 19.85                                  | 19.61                                |



| LTE Band 7      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20775                               | 21100                                  | 21425                                |
| Frequency (MHz) |            |            |              | 2502.5                              | 2535                                   | 2567.5                               |
| 5               | QPSK       | 1          | 0            | 22.70                               | 22.75                                  | 22.72                                |
| 5               | QPSK       | 1          | 12           | 22.63                               | 22.61                                  | 22.78                                |
| 5               | QPSK       | 1          | 24           | 22.56                               | 22.63                                  | 22.72                                |
| 5               | QPSK       | 12         | 0            | 21.72                               | 21.65                                  | 21.80                                |
| 5               | QPSK       | 12         | 7            | 21.50                               | 21.62                                  | 21.75                                |
| 5               | QPSK       | 12         | 13           | 21.67                               | 21.61                                  | 21.67                                |
| 5               | QPSK       | 25         | 0            | 21.68                               | 21.59                                  | 21.53                                |
| 5               | 16QAM      | 1          | 0            | 21.79                               | 21.81                                  | 21.78                                |
| 5               | 16QAM      | 1          | 12           | 21.63                               | 21.77                                  | 21.77                                |
| 5               | 16QAM      | 1          | 24           | 21.57                               | 21.65                                  | 21.72                                |
| 5               | 16QAM      | 12         | 0            | 20.74                               | 20.78                                  | 20.67                                |
| 5               | 16QAM      | 12         | 7            | 20.61                               | 20.82                                  | 20.72                                |
| 5               | 16QAM      | 12         | 13           | 20.63                               | 20.53                                  | 20.78                                |
| 5               | 16QAM      | 25         | 0            | 20.68                               | 20.65                                  | 20.68                                |
| 5               | 64QAM      | 1          | 0            | 20.80                               | 20.94                                  | 20.81                                |
| 5               | 64QAM      | 1          | 12           | 20.87                               | 20.66                                  | 20.79                                |
| 5               | 64QAM      | 1          | 24           | 20.73                               | 20.80                                  | 20.78                                |
| 5               | 64QAM      | 12         | 0            | 19.80                               | 19.82                                  | 19.72                                |
| 5               | 64QAM      | 12         | 7            | 19.72                               | 19.66                                  | 19.71                                |
| 5               | 64QAM      | 12         | 13           | 19.61                               | 19.72                                  | 19.61                                |
| 5               | 64QAM      | 25         | 0            | 19.50                               | 19.58                                  | 19.74                                |





| LTE Band 12     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23060                               | 23095                                  | 23130                                |
| Frequency (MHz) |            |            |              | 704                                 | 707.5                                  | 711                                  |
| 10              | QPSK       | 1          | 0            | 23.17                               | 23.13                                  | 23.25                                |
| 10              | QPSK       | 1          | 25           | 23.20                               | 23.17                                  | 23.12                                |
| 10              | QPSK       | 1          | 49           | 23.12                               | 23.06                                  | 23.22                                |
| 10              | QPSK       | 25         | 0            | 22.34                               | 22.31                                  | 22.40                                |
| 10              | QPSK       | 25         | 12           | 22.19                               | 22.26                                  | 22.15                                |
| 10              | QPSK       | 25         | 25           | 22.11                               | 22.24                                  | 22.10                                |
| 10              | QPSK       | 50         | 0            | 22.26                               | 22.19                                  | 22.17                                |
| 10              | 16QAM      | 1          | 0            | 22.21                               | 22.41                                  | 22.45                                |
| 10              | 16QAM      | 1          | 25           | 22.28                               | 22.23                                  | 22.36                                |
| 10              | 16QAM      | 1          | 49           | 22.31                               | 22.33                                  | 22.23                                |
| 10              | 16QAM      | 25         | 0            | 21.31                               | 21.15                                  | 21.35                                |
| 10              | 16QAM      | 25         | 12           | 21.07                               | 21.36                                  | 21.12                                |
| 10              | 16QAM      | 25         | 25           | 21.13                               | 21.05                                  | 21.26                                |
| 10              | 16QAM      | 50         | 0            | 21.22                               | 21.32                                  | 21.21                                |
| 10              | 64QAM      | 1          | 0            | 21.25                               | 21.35                                  | 21.39                                |
| 10              | 64QAM      | 1          | 25           | 21.24                               | 21.30                                  | 21.22                                |
| 10              | 64QAM      | 1          | 49           | 21.14                               | 21.31                                  | 21.28                                |
| 10              | 64QAM      | 25         | 0            | 20.29                               | 20.22                                  | 20.26                                |
| 10              | 64QAM      | 25         | 12           | 20.24                               | 20.31                                  | 20.34                                |
| 10              | 64QAM      | 25         | 25           | 20.17                               | 20.29                                  | 20.22                                |
| 10              | 64QAM      | 50         | 0            | 20.10                               | 20.22                                  | 20.10                                |



| LTE Band 12     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23035                               | 23095                                  | 23155                                |
| Frequency (MHz) |            |            |              | 701.5                               | 707.5                                  | 713.5                                |
| 5               | QPSK       | 1          | 0            | 23.13                               | 23.12                                  | 23.22                                |
| 5               | QPSK       | 1          | 12           | 23.19                               | 23.15                                  | 23.19                                |
| 5               | QPSK       | 1          | 24           | 23.19                               | 23.17                                  | 23.14                                |
| 5               | QPSK       | 12         | 0            | 22.12                               | 22.15                                  | 22.26                                |
| 5               | QPSK       | 12         | 7            | 22.10                               | 22.21                                  | 22.14                                |
| 5               | QPSK       | 12         | 13           | 22.03                               | 22.22                                  | 22.18                                |
| 5               | QPSK       | 25         | 0            | 22.14                               | 22.07                                  | 22.12                                |
| 5               | 16QAM      | 1          | 0            | 22.35                               | 22.35                                  | 22.30                                |
| 5               | 16QAM      | 1          | 12           | 22.28                               | 22.21                                  | 22.32                                |
| 5               | 16QAM      | 1          | 24           | 22.24                               | 22.32                                  | 22.18                                |
| 5               | 16QAM      | 12         | 0            | 21.15                               | 21.13                                  | 21.18                                |
| 5               | 16QAM      | 12         | 7            | 20.97                               | 21.16                                  | 21.28                                |
| 5               | 16QAM      | 12         | 13           | 21.14                               | 21.07                                  | 21.26                                |
| 5               | 16QAM      | 25         | 0            | 20.99                               | 21.24                                  | 21.05                                |
| 5               | 64QAM      | 1          | 0            | 21.24                               | 21.26                                  | 21.32                                |
| 5               | 64QAM      | 1          | 12           | 21.22                               | 21.18                                  | 21.17                                |
| 5               | 64QAM      | 1          | 24           | 21.23                               | 21.17                                  | 21.16                                |
| 5               | 64QAM      | 12         | 0            | 20.10                               | 20.11                                  | 20.37                                |
| 5               | 64QAM      | 12         | 7            | 20.05                               | 20.19                                  | 20.29                                |
| 5               | 64QAM      | 12         | 13           | 20.07                               | 20.04                                  | 20.05                                |
| 5               | 64QAM      | 25         | 0            | 20.06                               | 20.25                                  | 20.22                                |



| LTE Band 12     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23025                               | 23095                                  | 23165                                |
| Frequency (MHz) |            |            |              | 700.5                               | 707.5                                  | 714.5                                |
| 3               | QPSK       | 1          | 0            | 23.16                               | 23.20                                  | 23.20                                |
| 3               | QPSK       | 1          | 8            | 23.15                               | 23.05                                  | 23.18                                |
| 3               | QPSK       | 1          | 14           | 23.05                               | 23.12                                  | 23.02                                |
| 3               | QPSK       | 8          | 0            | 22.16                               | 22.20                                  | 22.14                                |
| 3               | QPSK       | 8          | 4            | 22.10                               | 22.23                                  | 22.17                                |
| 3               | QPSK       | 8          | 7            | 22.19                               | 22.20                                  | 22.10                                |
| 3               | QPSK       | 15         | 0            | 22.03                               | 22.16                                  | 22.18                                |
| 3               | 16QAM      | 1          | 0            | 22.24                               | 22.29                                  | 22.35                                |
| 3               | 16QAM      | 1          | 8            | 22.16                               | 22.33                                  | 22.36                                |
| 3               | 16QAM      | 1          | 14           | 22.07                               | 22.36                                  | 22.31                                |
| 3               | 16QAM      | 8          | 0            | 21.07                               | 21.38                                  | 21.12                                |
| 3               | 16QAM      | 8          | 4            | 21.30                               | 21.31                                  | 21.33                                |
| 3               | 16QAM      | 8          | 7            | 21.12                               | 21.15                                  | 21.20                                |
| 3               | 16QAM      | 15         | 0            | 21.11                               | 21.03                                  | 21.01                                |
| 3               | 64QAM      | 1          | 0            | 21.31                               | 21.36                                  | 21.24                                |
| 3               | 64QAM      | 1          | 8            | 21.26                               | 21.29                                  | 21.41                                |
| 3               | 64QAM      | 1          | 14           | 21.11                               | 21.36                                  | 21.37                                |
| 3               | 64QAM      | 8          | 0            | 20.31                               | 20.11                                  | 20.20                                |
| 3               | 64QAM      | 8          | 4            | 20.01                               | 20.31                                  | 20.34                                |
| 3               | 64QAM      | 8          | 7            | 20.05                               | 20.20                                  | 20.15                                |
| 3               | 64QAM      | 15         | 0            | 20.03                               | 20.36                                  | 20.19                                |



| LTE Band 12     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23017                               | 23095                                  | 23173                                |
| Frequency (MHz) |            |            |              | 699.7                               | 707.5                                  | 715.3                                |
| 1.4             | QPSK       | 1          | 0            | 23.16                               | 23.17                                  | 23.19                                |
| 1.4             | QPSK       | 1          | 3            | 23.07                               | 23.17                                  | 23.07                                |
| 1.4             | QPSK       | 1          | 5            | 23.05                               | 23.07                                  | 23.18                                |
| 1.4             | QPSK       | 3          | 0            | 22.28                               | 22.33                                  | 22.34                                |
| 1.4             | QPSK       | 3          | 1            | 22.26                               | 22.30                                  | 22.31                                |
| 1.4             | QPSK       | 3          | 3            | 22.23                               | 22.13                                  | 22.17                                |
| 1.4             | QPSK       | 6          | 0            | 22.28                               | 22.39                                  | 22.17                                |
| 1.4             | 16QAM      | 1          | 0            | 22.27                               | 22.33                                  | 22.42                                |
| 1.4             | 16QAM      | 1          | 3            | 22.07                               | 22.34                                  | 22.37                                |
| 1.4             | 16QAM      | 1          | 5            | 22.09                               | 22.33                                  | 22.40                                |
| 1.4             | 16QAM      | 3          | 0            | 21.15                               | 21.19                                  | 21.20                                |
| 1.4             | 16QAM      | 3          | 1            | 21.12                               | 21.13                                  | 21.29                                |
| 1.4             | 16QAM      | 3          | 3            | 21.10                               | 21.25                                  | 21.27                                |
| 1.4             | 16QAM      | 6          | 0            | 21.21                               | 21.09                                  | 21.02                                |
| 1.4             | 64QAM      | 1          | 0            | 21.27                               | 21.25                                  | 21.37                                |
| 1.4             | 64QAM      | 1          | 3            | 21.12                               | 21.29                                  | 21.28                                |
| 1.4             | 64QAM      | 1          | 5            | 21.08                               | 21.19                                  | 21.13                                |
| 1.4             | 64QAM      | 3          | 0            | 20.03                               | 20.27                                  | 20.18                                |
| 1.4             | 64QAM      | 3          | 1            | 20.14                               | 20.20                                  | 20.13                                |
| 1.4             | 64QAM      | 3          | 3            | 20.20                               | 20.06                                  | 20.24                                |
| 1.4             | 64QAM      | 6          | 0            | 20.09                               | 20.26                                  | 20.31                                |



| LTE Band 13     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | /                                   | 23230                                  | /                                    |
| Frequency (MHz) |            |            |              | /                                   | 782                                    | /                                    |
| 10              | QPSK       | 1          | 0            | /                                   | 23.26                                  | /                                    |
| 10              | QPSK       | 1          | 25           | /                                   | 23.10                                  | /                                    |
| 10              | QPSK       | 1          | 49           | /                                   | 23.04                                  | /                                    |
| 10              | QPSK       | 25         | 0            | /                                   | 22.34                                  | /                                    |
| 10              | QPSK       | 25         | 12           | /                                   | 22.03                                  | /                                    |
| 10              | QPSK       | 25         | 25           | /                                   | 22.01                                  | /                                    |
| 10              | QPSK       | 50         | 0            | /                                   | 22.14                                  | /                                    |
| 10              | 16QAM      | 1          | 0            | /                                   | 22.18                                  | /                                    |
| 10              | 16QAM      | 1          | 25           | /                                   | 22.18                                  | /                                    |
| 10              | 16QAM      | 1          | 49           | /                                   | 22.23                                  | /                                    |
| 10              | 16QAM      | 25         | 0            | /                                   | 21.14                                  | /                                    |
| 10              | 16QAM      | 25         | 12           | /                                   | 21.17                                  | /                                    |
| 10              | 16QAM      | 25         | 25           | /                                   | 21.09                                  | /                                    |
| 10              | 16QAM      | 50         | 0            | /                                   | 21.04                                  | /                                    |
| 10              | 64QAM      | 1          | 0            | /                                   | 21.40                                  | /                                    |
| 10              | 64QAM      | 1          | 25           | /                                   | 21.13                                  | /                                    |
| 10              | 64QAM      | 1          | 49           | /                                   | 21.05                                  | /                                    |
| 10              | 64QAM      | 25         | 0            | /                                   | 20.33                                  | /                                    |
| 10              | 64QAM      | 25         | 12           | /                                   | 20.09                                  | /                                    |
| 10              | 64QAM      | 25         | 25           | /                                   | 20.04                                  | /                                    |
| 10              | 64QAM      | 50         | 0            | /                                   | 20.14                                  | /                                    |



| LTE Band 13     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23205                               | 23230                                  | 23255                                |
| Frequency (MHz) |            |            |              | 779.5                               | 782                                    | 784.5                                |
| 5               | QPSK       | 1          | 0            | 23.21                               | 23.22                                  | 23.18                                |
| 5               | QPSK       | 1          | 12           | 23.01                               | 23.17                                  | 23.17                                |
| 5               | QPSK       | 1          | 24           | 23.09                               | 23.08                                  | 23.06                                |
| 5               | QPSK       | 12         | 0            | 22.32                               | 22.39                                  | 22.31                                |
| 5               | QPSK       | 12         | 7            | 22.12                               | 22.13                                  | 22.13                                |
| 5               | QPSK       | 12         | 13           | 22.20                               | 22.26                                  | 22.01                                |
| 5               | QPSK       | 25         | 0            | 22.27                               | 22.21                                  | 22.20                                |
| 5               | 16QAM      | 1          | 0            | 22.35                               | 22.36                                  | 22.32                                |
| 5               | 16QAM      | 1          | 12           | 22.24                               | 22.31                                  | 22.16                                |
| 5               | 16QAM      | 1          | 24           | 22.26                               | 22.32                                  | 22.13                                |
| 5               | 16QAM      | 12         | 0            | 21.24                               | 21.25                                  | 21.11                                |
| 5               | 16QAM      | 12         | 7            | 21.18                               | 21.11                                  | 21.22                                |
| 5               | 16QAM      | 12         | 13           | 21.06                               | 21.17                                  | 21.20                                |
| 5               | 16QAM      | 25         | 0            | 20.97                               | 21.18                                  | 21.11                                |
| 5               | 64QAM      | 1          | 0            | 21.16                               | 21.33                                  | 21.32                                |
| 5               | 64QAM      | 1          | 12           | 21.38                               | 21.23                                  | 21.22                                |
| 5               | 64QAM      | 1          | 24           | 21.10                               | 21.31                                  | 21.17                                |
| 5               | 64QAM      | 12         | 0            | 20.08                               | 20.18                                  | 20.09                                |
| 5               | 64QAM      | 12         | 7            | 20.07                               | 20.15                                  | 20.08                                |
| 5               | 64QAM      | 12         | 13           | 20.11                               | 20.06                                  | 20.10                                |
| 5               | 64QAM      | 25         | 0            | 20.27                               | 20.17                                  | 20.30                                |



| LTE Band 17     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23780                               | 23790                                  | 23800                                |
| Frequency (MHz) |            |            |              | 709                                 | 710                                    | 711                                  |
| 10              | QPSK       | 1          | 0            | 23.05                               | 23.18                                  | 23.15                                |
| 10              | QPSK       | 1          | 25           | 23.11                               | 23.10                                  | 23.11                                |
| 10              | QPSK       | 1          | 49           | 23.14                               | 23.11                                  | 23.06                                |
| 10              | QPSK       | 25         | 0            | 22.15                               | 22.25                                  | 22.22                                |
| 10              | QPSK       | 25         | 12           | 22.18                               | 22.13                                  | 22.03                                |
| 10              | QPSK       | 25         | 25           | 22.06                               | 22.19                                  | 21.98                                |
| 10              | QPSK       | 50         | 0            | 21.99                               | 21.99                                  | 22.07                                |
| 10              | 16QAM      | 1          | 0            | 22.13                               | 22.36                                  | 22.26                                |
| 10              | 16QAM      | 1          | 25           | 22.10                               | 22.35                                  | 22.20                                |
| 10              | 16QAM      | 1          | 49           | 22.04                               | 22.15                                  | 22.12                                |
| 10              | 16QAM      | 25         | 0            | 21.25                               | 21.23                                  | 21.21                                |
| 10              | 16QAM      | 25         | 12           | 21.08                               | 21.09                                  | 21.20                                |
| 10              | 16QAM      | 25         | 25           | 21.02                               | 21.08                                  | 21.24                                |
| 10              | 16QAM      | 50         | 0            | 21.07                               | 20.96                                  | 21.03                                |
| 10              | 64QAM      | 1          | 0            | 21.20                               | 21.38                                  | 21.38                                |
| 10              | 64QAM      | 1          | 25           | 21.17                               | 21.28                                  | 21.09                                |
| 10              | 64QAM      | 1          | 49           | 21.03                               | 21.06                                  | 21.16                                |
| 10              | 64QAM      | 25         | 0            | 20.15                               | 20.11                                  | 20.08                                |
| 10              | 64QAM      | 25         | 12           | 20.02                               | 20.14                                  | 20.19                                |
| 10              | 64QAM      | 25         | 25           | 20.02                               | 20.05                                  | 20.11                                |
| 10              | 64QAM      | 50         | 0            | 20.08                               | 20.10                                  | 20.13                                |



| LTE Band 17     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23755                               | 23790                                  | 23825                                |
| Frequency (MHz) |            |            |              | 706.5                               | 710                                    | 713.5                                |
| 5               | QPSK       | 1          | 0            | 23.09                               | 23.15                                  | 23.07                                |
| 5               | QPSK       | 1          | 12           | 23.10                               | 23.07                                  | 23.01                                |
| 5               | QPSK       | 1          | 24           | 22.96                               | 23.06                                  | 23.12                                |
| 5               | QPSK       | 12         | 0            | 22.09                               | 22.31                                  | 22.14                                |
| 5               | QPSK       | 12         | 7            | 22.13                               | 22.22                                  | 22.04                                |
| 5               | QPSK       | 12         | 13           | 22.09                               | 22.06                                  | 22.07                                |
| 5               | QPSK       | 25         | 0            | 22.10                               | 22.22                                  | 22.21                                |
| 5               | 16QAM      | 1          | 0            | 22.25                               | 22.28                                  | 22.20                                |
| 5               | 16QAM      | 1          | 12           | 22.04                               | 22.29                                  | 22.14                                |
| 5               | 16QAM      | 1          | 24           | 22.06                               | 22.19                                  | 22.03                                |
| 5               | 16QAM      | 12         | 0            | 21.14                               | 21.25                                  | 21.22                                |
| 5               | 16QAM      | 12         | 7            | 21.16                               | 21.05                                  | 21.22                                |
| 5               | 16QAM      | 12         | 13           | 21.00                               | 21.11                                  | 21.23                                |
| 5               | 16QAM      | 25         | 0            | 21.02                               | 21.02                                  | 20.97                                |
| 5               | 64QAM      | 1          | 0            | 21.26                               | 21.39                                  | 21.33                                |
| 5               | 64QAM      | 1          | 12           | 21.31                               | 21.26                                  | 21.07                                |
| 5               | 64QAM      | 1          | 24           | 21.05                               | 21.08                                  | 21.07                                |
| 5               | 64QAM      | 12         | 0            | 20.01                               | 20.22                                  | 20.10                                |
| 5               | 64QAM      | 12         | 7            | 20.12                               | 20.19                                  | 20.24                                |
| 5               | 64QAM      | 12         | 13           | 20.10                               | 20.17                                  | 20.13                                |
| 5               | 64QAM      | 25         | 0            | 20.09                               | 20.05                                  | 20.24                                |





| LTE Band 25     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 26140                         | 26365                            | 26590                          |
| Frequency (MHz) |            |         |           | 1860                          | 1882.5                           | 1905                           |
| 20              | QPSK       | 1       | 0         | 23.21                         | 23.31                            | 23.18                          |
| 20              | QPSK       | 1       | 49        | 23.11                         | 23.09                            | 23.20                          |
| 20              | QPSK       | 1       | 99        | 23.06                         | 23.18                            | 23.16                          |
| 20              | QPSK       | 50      | 0         | 22.26                         | 22.38                            | 22.13                          |
| 20              | QPSK       | 50      | 24        | 22.06                         | 22.03                            | 22.09                          |
| 20              | QPSK       | 50      | 50        | 22.08                         | 22.09                            | 22.06                          |
| 20              | QPSK       | 100     | 0         | 22.09                         | 22.02                            | 22.10                          |
| 20              | 16QAM      | 1       | 0         | 22.18                         | 22.27                            | 22.32                          |
| 20              | 16QAM      | 1       | 49        | 22.17                         | 22.34                            | 22.22                          |
| 20              | 16QAM      | 1       | 99        | 22.09                         | 22.31                            | 22.29                          |
| 20              | 16QAM      | 50      | 0         | 21.06                         | 21.20                            | 21.09                          |
| 20              | 16QAM      | 50      | 24        | 21.04                         | 21.02                            | 21.33                          |
| 20              | 16QAM      | 50      | 50        | 21.05                         | 21.16                            | 21.05                          |
| 20              | 16QAM      | 100     | 0         | 21.08                         | 21.10                            | 21.01                          |
| 20              | 64QAM      | 1       | 0         | 21.09                         | 21.20                            | 21.36                          |
| 20              | 64QAM      | 1       | 49        | 21.07                         | 21.32                            | 21.13                          |
| 20              | 64QAM      | 1       | 99        | 21.18                         | 21.38                            | 21.33                          |
| 20              | 64QAM      | 50      | 0         | 20.12                         | 20.38                            | 20.30                          |
| 20              | 64QAM      | 50      | 24        | 20.08                         | 20.06                            | 20.27                          |
| 20              | 64QAM      | 50      | 50        | 20.02                         | 20.15                            | 20.18                          |
| 20              | 64QAM      | 100     | 0         | 20.06                         | 20.18                            | 20.22                          |



| LTE Band 25     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 26115                         | 26365                            | 26615                          |
| Frequency (MHz) |            |         |           | 1857.5                        | 1882.5                           | 1907.5                         |
| 15              | QPSK       | 1       | 0         | 23.22                         | 23.26                            | 23.17                          |
| 15              | QPSK       | 1       | 37        | 23.10                         | 23.13                            | 23.20                          |
| 15              | QPSK       | 1       | 74        | 23.04                         | 23.06                            | 23.00                          |
| 15              | QPSK       | 36      | 0         | 22.08                         | 22.39                            | 22.25                          |
| 15              | QPSK       | 36      | 20        | 22.24                         | 22.08                            | 22.06                          |
| 15              | QPSK       | 36      | 39        | 22.05                         | 22.04                            | 22.10                          |
| 15              | QPSK       | 75      | 0         | 22.15                         | 22.10                            | 22.16                          |
| 15              | 16QAM      | 1       | 0         | 22.22                         | 22.37                            | 22.31                          |
| 15              | 16QAM      | 1       | 37        | 22.11                         | 22.31                            | 22.24                          |
| 15              | 16QAM      | 1       | 74        | 22.07                         | 22.10                            | 22.10                          |
| 15              | 16QAM      | 36      | 0         | 21.21                         | 21.21                            | 21.10                          |
| 15              | 16QAM      | 36      | 20        | 21.13                         | 21.09                            | 21.14                          |
| 15              | 16QAM      | 36      | 39        | 21.08                         | 21.04                            | 21.23                          |
| 15              | 16QAM      | 75      | 0         | 21.20                         | 21.27                            | 21.09                          |
| 15              | 64QAM      | 1       | 0         | 21.21                         | 21.25                            | 21.19                          |
| 15              | 64QAM      | 1       | 37        | 21.14                         | 21.21                            | 21.23                          |
| 15              | 64QAM      | 1       | 74        | 21.24                         | 21.10                            | 21.18                          |
| 15              | 64QAM      | 36      | 0         | 19.96                         | 20.19                            | 20.16                          |
| 15              | 64QAM      | 36      | 20        | 19.86                         | 20.15                            | 19.99                          |
| 15              | 64QAM      | 36      | 39        | 19.86                         | 20.10                            | 20.12                          |
| 15              | 64QAM      | 75      | 0         | 20.08                         | 20.13                            | 20.10                          |



| LTE Band 25     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 26090                         | 26365                            | 26640                          |
| Frequency (MHz) |            |         |           | 1855                          | 1882.5                           | 1910                           |
| 10              | QPSK       | 1       | 0         | 23.20                         | 23.22                            | 23.11                          |
| 10              | QPSK       | 1       | 25        | 23.10                         | 23.17                            | 23.17                          |
| 10              | QPSK       | 1       | 49        | 23.02                         | 23.16                            | 23.01                          |
| 10              | QPSK       | 25      | 0         | 22.09                         | 22.38                            | 22.10                          |
| 10              | QPSK       | 25      | 12        | 22.06                         | 22.25                            | 22.08                          |
| 10              | QPSK       | 25      | 25        | 22.09                         | 22.10                            | 22.13                          |
| 10              | QPSK       | 50      | 0         | 22.17                         | 22.16                            | 22.05                          |
| 10              | 16QAM      | 1       | 0         | 22.09                         | 22.33                            | 22.32                          |
| 10              | 16QAM      | 1       | 25        | 22.10                         | 22.26                            | 22.10                          |
| 10              | 16QAM      | 1       | 49        | 22.17                         | 22.19                            | 22.22                          |
| 10              | 16QAM      | 25      | 0         | 21.17                         | 21.35                            | 21.14                          |
| 10              | 16QAM      | 25      | 12        | 21.00                         | 21.01                            | 21.00                          |
| 10              | 16QAM      | 25      | 25        | 21.09                         | 21.08                            | 21.23                          |
| 10              | 16QAM      | 50      | 0         | 21.10                         | 21.14                            | 21.10                          |
| 10              | 64QAM      | 1       | 0         | 21.21                         | 21.30                            | 21.25                          |
| 10              | 64QAM      | 1       | 25        | 21.30                         | 21.07                            | 21.11                          |
| 10              | 64QAM      | 1       | 49        | 21.09                         | 21.15                            | 21.26                          |
| 10              | 64QAM      | 25      | 0         | 20.14                         | 20.28                            | 20.30                          |
| 10              | 64QAM      | 25      | 12        | 20.07                         | 20.25                            | 20.03                          |
| 10              | 64QAM      | 25      | 25        | 20.06                         | 20.02                            | 20.01                          |
| 10              | 64QAM      | 50      | 0         | 20.09                         | 20.05                            | 20.07                          |



| LTE Band 25     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 26065                         | 26365                            | 26665                          |
| Frequency (MHz) |            |         |           | 1852.5                        | 1882.5                           | 1912.5                         |
| 5               | QPSK       | 1       | 0         | 23.07                         | 23.23                            | 23.10                          |
| 5               | QPSK       | 1       | 12        | 23.19                         | 23.19                            | 22.97                          |
| 5               | QPSK       | 1       | 24        | 23.01                         | 23.27                            | 22.98                          |
| 5               | QPSK       | 12      | 0         | 22.31                         | 22.32                            | 22.25                          |
| 5               | QPSK       | 12      | 7         | 22.21                         | 22.29                            | 22.05                          |
| 5               | QPSK       | 12      | 13        | 22.08                         | 22.18                            | 22.10                          |
| 5               | QPSK       | 25      | 0         | 21.94                         | 21.96                            | 22.21                          |
| 5               | 16QAM      | 1       | 0         | 22.25                         | 22.21                            | 22.26                          |
| 5               | 16QAM      | 1       | 12        | 22.23                         | 22.23                            | 22.17                          |
| 5               | 16QAM      | 1       | 24        | 22.03                         | 22.13                            | 22.27                          |
| 5               | 16QAM      | 12      | 0         | 21.21                         | 21.31                            | 21.24                          |
| 5               | 16QAM      | 12      | 7         | 21.20                         | 21.06                            | 21.06                          |
| 5               | 16QAM      | 12      | 13        | 21.11                         | 21.06                            | 21.13                          |
| 5               | 16QAM      | 25      | 0         | 21.03                         | 21.14                            | 21.07                          |
| 5               | 64QAM      | 1       | 0         | 21.35                         | 21.30                            | 21.25                          |
| 5               | 64QAM      | 1       | 12        | 21.13                         | 21.22                            | 21.33                          |
| 5               | 64QAM      | 1       | 24        | 21.12                         | 21.31                            | 21.24                          |
| 5               | 64QAM      | 12      | 0         | 20.06                         | 20.20                            | 20.08                          |
| 5               | 64QAM      | 12      | 7         | 20.10                         | 20.15                            | 20.15                          |
| 5               | 64QAM      | 12      | 13        | 20.05                         | 20.03                            | 20.14                          |
| 5               | 64QAM      | 25      | 0         | 20.06                         | 20.03                            | 20.10                          |



| LTE Band 25     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 26055                         | 26365                            | 26675                          |
| Frequency (MHz) |            |         |           | 1851.5                        | 1882.5                           | 1913.5                         |
| 3               | QPSK       | 1       | 0         | 23.14                         | 23.23                            | 23.13                          |
| 3               | QPSK       | 1       | 8         | 23.08                         | 23.21                            | 23.11                          |
| 3               | QPSK       | 1       | 14        | 23.02                         | 23.25                            | 23.15                          |
| 3               | QPSK       | 8       | 0         | 22.34                         | 22.17                            | 22.19                          |
| 3               | QPSK       | 8       | 4         | 22.03                         | 22.18                            | 22.26                          |
| 3               | QPSK       | 8       | 7         | 21.91                         | 22.03                            | 22.10                          |
| 3               | QPSK       | 15      | 0         | 22.11                         | 21.96                            | 22.27                          |
| 3               | 16QAM      | 1       | 0         | 22.39                         | 22.44                            | 22.19                          |
| 3               | 16QAM      | 1       | 8         | 22.09                         | 22.38                            | 22.16                          |
| 3               | 16QAM      | 1       | 14        | 22.01                         | 22.12                            | 22.08                          |
| 3               | 16QAM      | 8       | 0         | 21.06                         | 21.13                            | 21.10                          |
| 3               | 16QAM      | 8       | 4         | 21.01                         | 21.04                            | 21.28                          |
| 3               | 16QAM      | 8       | 7         | 20.90                         | 21.10                            | 20.97                          |
| 3               | 16QAM      | 15      | 0         | 20.92                         | 21.03                            | 21.15                          |
| 3               | 64QAM      | 1       | 0         | 21.10                         | 21.20                            | 21.11                          |
| 3               | 64QAM      | 1       | 8         | 21.27                         | 21.09                            | 21.04                          |
| 3               | 64QAM      | 1       | 14        | 20.92                         | 21.08                            | 21.19                          |
| 3               | 64QAM      | 8       | 0         | 20.19                         | 20.11                            | 19.98                          |
| 3               | 64QAM      | 8       | 4         | 20.05                         | 20.22                            | 19.98                          |
| 3               | 64QAM      | 8       | 7         | 19.77                         | 20.20                            | 20.15                          |
| 3               | 64QAM      | 15      | 0         | 20.12                         | 20.10                            | 20.29                          |



| LTE Band 25     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 26047                         | 26365                            | 26683                          |
| Frequency (MHz) |            |         |           | 1850.7                        | 1882.5                           | 1914.3                         |
| 1.4             | QPSK       | 1       | 0         | 23.18                         | 23.24                            | 23.03                          |
| 1.4             | QPSK       | 1       | 3         | 22.92                         | 23.14                            | 23.15                          |
| 1.4             | QPSK       | 1       | 5         | 23.14                         | 23.11                            | 23.13                          |
| 1.4             | QPSK       | 3       | 0         | 22.31                         | 22.33                            | 22.17                          |
| 1.4             | QPSK       | 3       | 1         | 22.15                         | 22.33                            | 22.11                          |
| 1.4             | QPSK       | 3       | 3         | 22.12                         | 22.13                            | 22.15                          |
| 1.4             | QPSK       | 6       | 0         | 22.01                         | 22.25                            | 22.16                          |
| 1.4             | 16QAM      | 1       | 0         | 22.15                         | 22.29                            | 22.28                          |
| 1.4             | 16QAM      | 1       | 3         | 22.03                         | 22.10                            | 22.18                          |
| 1.4             | 16QAM      | 1       | 5         | 22.08                         | 22.38                            | 22.25                          |
| 1.4             | 16QAM      | 3       | 0         | 21.12                         | 21.37                            | 21.24                          |
| 1.4             | 16QAM      | 3       | 1         | 21.06                         | 21.29                            | 21.11                          |
| 1.4             | 16QAM      | 3       | 3         | 21.11                         | 21.03                            | 21.13                          |
| 1.4             | 16QAM      | 6       | 0         | 21.11                         | 21.27                            | 21.14                          |
| 1.4             | 64QAM      | 1       | 0         | 21.33                         | 21.20                            | 21.14                          |
| 1.4             | 64QAM      | 1       | 3         | 21.07                         | 21.34                            | 21.10                          |
| 1.4             | 64QAM      | 1       | 5         | 21.11                         | 21.18                            | 21.29                          |
| 1.4             | 64QAM      | 3       | 0         | 20.10                         | 20.05                            | 20.19                          |
| 1.4             | 64QAM      | 3       | 1         | 20.04                         | 20.19                            | 20.21                          |
| 1.4             | 64QAM      | 3       | 3         | 20.13                         | 20.21                            | 20.01                          |
| 1.4             | 64QAM      | 6       | 0         | 20.14                         | 20.27                            | 19.99                          |



| LTE Band 26     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 26865                               | 26915                                  | 26965                                |
| Frequency (MHz) |            |            |              | 831.5                               | 836.5                                  | 841.5                                |
| 15              | QPSK       | 1          | 0            | 23.16                               | 23.09                                  | 23.09                                |
| 15              | QPSK       | 1          | 37           | 23.05                               | 22.96                                  | 22.90                                |
| 15              | QPSK       | 1          | 74           | 23.03                               | 23.00                                  | 22.98                                |
| 15              | QPSK       | 36         | 0            | 22.25                               | 22.08                                  | 21.93                                |
| 15              | QPSK       | 36         | 20           | 22.18                               | 22.10                                  | 22.13                                |
| 15              | QPSK       | 36         | 39           | 22.09                               | 22.00                                  | 21.99                                |
| 15              | QPSK       | 75         | 0            | 22.20                               | 22.16                                  | 22.12                                |
| 15              | 16QAM      | 1          | 0            | 22.23                               | 22.14                                  | 22.07                                |
| 15              | 16QAM      | 1          | 37           | 22.21                               | 22.13                                  | 22.10                                |
| 15              | 16QAM      | 1          | 74           | 22.08                               | 22.10                                  | 22.15                                |
| 15              | 16QAM      | 36         | 0            | 21.15                               | 21.11                                  | 21.11                                |
| 15              | 16QAM      | 36         | 20           | 20.91                               | 20.94                                  | 21.00                                |
| 15              | 16QAM      | 36         | 39           | 20.96                               | 20.90                                  | 20.92                                |
| 15              | 16QAM      | 75         | 0            | 20.88                               | 20.90                                  | 20.95                                |
| 15              | 64QAM      | 1          | 0            | 21.25                               | 21.12                                  | 21.09                                |
| 15              | 64QAM      | 1          | 37           | 21.01                               | 21.02                                  | 21.06                                |
| 15              | 64QAM      | 1          | 74           | 21.07                               | 20.99                                  | 21.01                                |
| 15              | 64QAM      | 36         | 0            | 20.06                               | 20.06                                  | 20.15                                |
| 15              | 64QAM      | 36         | 20           | 20.16                               | 20.00                                  | 19.90                                |
| 15              | 64QAM      | 36         | 39           | 19.98                               | 20.00                                  | 20.07                                |
| 15              | 64QAM      | 75         | 0            | 20.11                               | 20.05                                  | 20.04                                |



| LTE Band 26     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 26840                               | 26915                                  | 26990                                |
| Frequency (MHz) |            |            |              | 829.0                               | 836.5                                  | 844.0                                |
| 10              | QPSK       | 1          | 0            | 23.03                               | 23.01                                  | 23.12                                |
| 10              | QPSK       | 1          | 25           | 23.02                               | 23.00                                  | 23.04                                |
| 10              | QPSK       | 1          | 49           | 23.09                               | 23.04                                  | 23.10                                |
| 10              | QPSK       | 25         | 0            | 22.04                               | 22.06                                  | 22.10                                |
| 10              | QPSK       | 25         | 12           | 21.83                               | 21.80                                  | 21.89                                |
| 10              | QPSK       | 25         | 25           | 21.94                               | 21.87                                  | 21.95                                |
| 10              | QPSK       | 50         | 0            | 21.96                               | 21.90                                  | 22.01                                |
| 10              | 16QAM      | 1          | 0            | 22.23                               | 22.28                                  | 22.32                                |
| 10              | 16QAM      | 1          | 25           | 22.00                               | 22.01                                  | 22.07                                |
| 10              | 16QAM      | 1          | 49           | 22.06                               | 22.08                                  | 22.17                                |
| 10              | 16QAM      | 25         | 0            | 21.15                               | 21.12                                  | 21.16                                |
| 10              | 16QAM      | 25         | 12           | 20.94                               | 20.96                                  | 20.99                                |
| 10              | 16QAM      | 25         | 25           | 20.79                               | 20.84                                  | 20.88                                |
| 10              | 16QAM      | 50         | 0            | 21.00                               | 21.00                                  | 21.05                                |
| 10              | 64QAM      | 1          | 0            | 21.10                               | 21.16                                  | 21.19                                |
| 10              | 64QAM      | 1          | 25           | 21.16                               | 21.10                                  | 21.17                                |
| 10              | 64QAM      | 1          | 49           | 21.02                               | 21.02                                  | 21.07                                |
| 10              | 64QAM      | 25         | 0            | 19.93                               | 19.94                                  | 20.02                                |
| 10              | 64QAM      | 25         | 12           | 19.83                               | 19.84                                  | 19.91                                |
| 10              | 64QAM      | 25         | 25           | 19.81                               | 19.86                                  | 19.90                                |
| 10              | 64QAM      | 50         | 0            | 20.06                               | 20.07                                  | 20.08                                |





| LTE Band 26     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 26815                               | 26915                                  | 27015                                |
| Frequency (MHz) |            |            |              | 826.5                               | 836.5                                  | 846.5                                |
| 5               | QPSK       | 1          | 0            | 22.93                               | 22.99                                  | 23.05                                |
| 5               | QPSK       | 1          | 12           | 22.83                               | 22.83                                  | 22.86                                |
| 5               | QPSK       | 1          | 24           | 22.86                               | 22.86                                  | 22.87                                |
| 5               | QPSK       | 12         | 0            | 22.15                               | 22.22                                  | 22.25                                |
| 5               | QPSK       | 12         | 7            | 21.86                               | 21.82                                  | 21.90                                |
| 5               | QPSK       | 12         | 13           | 21.94                               | 21.84                                  | 21.96                                |
| 5               | QPSK       | 25         | 0            | 21.84                               | 21.88                                  | 21.95                                |
| 5               | 16QAM      | 1          | 0            | 22.19                               | 22.24                                  | 22.27                                |
| 5               | 16QAM      | 1          | 12           | 21.91                               | 21.86                                  | 21.98                                |
| 5               | 16QAM      | 1          | 24           | 22.09                               | 22.17                                  | 22.19                                |
| 5               | 16QAM      | 12         | 0            | 21.08                               | 21.04                                  | 21.11                                |
| 5               | 16QAM      | 12         | 7            | 21.01                               | 20.96                                  | 21.04                                |
| 5               | 16QAM      | 12         | 13           | 20.84                               | 20.82                                  | 20.93                                |
| 5               | 16QAM      | 25         | 0            | 20.90                               | 20.93                                  | 20.94                                |
| 5               | 64QAM      | 1          | 0            | 21.24                               | 21.22                                  | 21.33                                |
| 5               | 64QAM      | 1          | 12           | 21.10                               | 21.12                                  | 21.19                                |
| 5               | 64QAM      | 1          | 24           | 20.92                               | 20.99                                  | 21.03                                |
| 5               | 64QAM      | 12         | 0            | 20.01                               | 20.00                                  | 20.03                                |
| 5               | 64QAM      | 12         | 7            | 20.00                               | 20.01                                  | 20.02                                |
| 5               | 64QAM      | 12         | 13           | 20.03                               | 19.93                                  | 20.05                                |
| 5               | 64QAM      | 25         | 0            | 20.04                               | 19.97                                  | 20.09                                |



| LTE Band 26     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 26805                               | 26915                                  | 27025                                |
| Frequency (MHz) |            |            |              | 825.5                               | 836.5                                  | 847.5                                |
| 3               | QPSK       | 1          | 0            | 23.02                               | 23.07                                  | 23.10                                |
| 3               | QPSK       | 1          | 8            | 23.01                               | 22.94                                  | 23.06                                |
| 3               | QPSK       | 1          | 14           | 23.02                               | 22.97                                  | 23.03                                |
| 3               | QPSK       | 8          | 0            | 22.04                               | 22.01                                  | 22.06                                |
| 3               | QPSK       | 8          | 4            | 22.06                               | 22.02                                  | 22.10                                |
| 3               | QPSK       | 8          | 7            | 21.78                               | 21.84                                  | 21.90                                |
| 3               | QPSK       | 15         | 0            | 22.01                               | 22.07                                  | 22.08                                |
| 3               | 16QAM      | 1          | 0            | 22.29                               | 22.27                                  | 22.35                                |
| 3               | 16QAM      | 1          | 8            | 21.96                               | 21.96                                  | 22.07                                |
| 3               | 16QAM      | 1          | 14           | 22.08                               | 22.06                                  | 22.18                                |
| 3               | 16QAM      | 8          | 0            | 21.05                               | 21.12                                  | 21.16                                |
| 3               | 16QAM      | 8          | 4            | 21.17                               | 21.21                                  | 21.23                                |
| 3               | 16QAM      | 8          | 7            | 21.07                               | 21.06                                  | 21.08                                |
| 3               | 16QAM      | 15         | 0            | 20.83                               | 20.82                                  | 20.86                                |
| 3               | 64QAM      | 1          | 0            | 21.23                               | 21.21                                  | 21.33                                |
| 3               | 64QAM      | 1          | 8            | 21.08                               | 21.09                                  | 21.17                                |
| 3               | 64QAM      | 1          | 14           | 20.95                               | 20.89                                  | 21.01                                |
| 3               | 64QAM      | 8          | 0            | 19.81                               | 19.78                                  | 19.86                                |
| 3               | 64QAM      | 8          | 4            | 20.01                               | 19.93                                  | 20.03                                |
| 3               | 64QAM      | 8          | 7            | 19.94                               | 19.99                                  | 20.00                                |
| 3               | 64QAM      | 15         | 0            | 20.08                               | 20.04                                  | 20.09                                |



| LTE Band 26     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 26797                               | 26915                                  | 27033                                |
| Frequency (MHz) |            |            |              | 824.7                               | 836.5                                  | 848.3                                |
| 1.4             | QPSK       | 1          | 0            | 23.04                               | 23.02                                  | 23.14                                |
| 1.4             | QPSK       | 1          | 3            | 22.88                               | 22.86                                  | 22.98                                |
| 1.4             | QPSK       | 1          | 5            | 22.96                               | 22.94                                  | 22.97                                |
| 1.4             | QPSK       | 3          | 0            | 22.12                               | 22.13                                  | 22.16                                |
| 1.4             | QPSK       | 3          | 1            | 22.10                               | 22.11                                  | 22.19                                |
| 1.4             | QPSK       | 3          | 3            | 22.00                               | 21.91                                  | 22.02                                |
| 1.4             | QPSK       | 6          | 0            | 21.83                               | 21.81                                  | 21.86                                |
| 1.4             | 16QAM      | 1          | 0            | 22.23                               | 22.25                                  | 22.35                                |
| 1.4             | 16QAM      | 1          | 3            | 22.00                               | 22.02                                  | 22.04                                |
| 1.4             | 16QAM      | 1          | 5            | 21.95                               | 21.99                                  | 22.06                                |
| 1.4             | 16QAM      | 3          | 0            | 21.00                               | 21.04                                  | 21.05                                |
| 1.4             | 16QAM      | 3          | 1            | 21.02                               | 21.03                                  | 21.04                                |
| 1.4             | 16QAM      | 3          | 3            | 21.04                               | 21.11                                  | 21.16                                |
| 1.4             | 16QAM      | 6          | 0            | 20.77                               | 20.79                                  | 20.84                                |
| 1.4             | 64QAM      | 1          | 0            | 21.21                               | 21.21                                  | 21.32                                |
| 1.4             | 64QAM      | 1          | 3            | 20.87                               | 20.87                                  | 20.98                                |
| 1.4             | 64QAM      | 1          | 5            | 21.04                               | 21.03                                  | 21.14                                |
| 1.4             | 64QAM      | 3          | 0            | 20.01                               | 20.05                                  | 20.07                                |
| 1.4             | 64QAM      | 3          | 1            | 20.16                               | 20.09                                  | 20.18                                |
| 1.4             | 64QAM      | 3          | 3            | 19.98                               | 19.91                                  | 20.03                                |
| 1.4             | 64QAM      | 6          | 0            | 20.11                               | 20.13                                  | 20.18                                |



| LTE Band 30     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | /                                   | 27710                                  | /                                    |
| Frequency (MHz) |            |            |              | /                                   | 2310                                   | /                                    |
| 10              | QPSK       | 1          | 0            | /                                   | 22.87                                  | /                                    |
| 10              | QPSK       | 1          | 25           | /                                   | 22.82                                  | /                                    |
| 10              | QPSK       | 1          | 49           | /                                   | 22.81                                  | /                                    |
| 10              | QPSK       | 25         | 0            | /                                   | 21.73                                  | /                                    |
| 10              | QPSK       | 25         | 12           | /                                   | 21.81                                  | /                                    |
| 10              | QPSK       | 25         | 25           | /                                   | 21.52                                  | /                                    |
| 10              | QPSK       | 50         | 0            | /                                   | 21.78                                  | /                                    |
| 10              | 16QAM      | 1          | 0            | /                                   | 21.81                                  | /                                    |
| 10              | 16QAM      | 1          | 25           | /                                   | 21.71                                  | /                                    |
| 10              | 16QAM      | 1          | 49           | /                                   | 21.69                                  | /                                    |
| 10              | 16QAM      | 25         | 0            | /                                   | 20.73                                  | /                                    |
| 10              | 16QAM      | 25         | 12           | /                                   | 20.62                                  | /                                    |
| 10              | 16QAM      | 25         | 25           | /                                   | 20.66                                  | /                                    |
| 10              | 16QAM      | 50         | 0            | /                                   | 20.71                                  | /                                    |
| 10              | 64QAM      | 1          | 0            | /                                   | 20.82                                  | /                                    |
| 10              | 64QAM      | 1          | 25           | /                                   | 20.85                                  | /                                    |
| 10              | 64QAM      | 1          | 49           | /                                   | 20.79                                  | /                                    |
| 10              | 64QAM      | 25         | 0            | /                                   | 19.78                                  | /                                    |
| 10              | 64QAM      | 25         | 12           | /                                   | 19.84                                  | /                                    |
| 10              | 64QAM      | 25         | 25           | /                                   | 19.79                                  | /                                    |
| 10              | 64QAM      | 50         | 0            | /                                   | 19.72                                  | /                                    |



| LTE Band 30     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 27685                               | 27710                                  | 27735                                |
| Frequency (MHz) |            |            |              | 2307.5                              | 2310                                   | 2312.5                               |
| 5               | QPSK       | 1          | 0            | 22.76                               | 22.82                                  | 22.74                                |
| 5               | QPSK       | 1          | 12           | 22.65                               | 22.80                                  | 22.66                                |
| 5               | QPSK       | 1          | 24           | 22.50                               | 22.71                                  | 22.68                                |
| 5               | QPSK       | 12         | 0            | 21.83                               | 21.88                                  | 21.81                                |
| 5               | QPSK       | 12         | 7            | 21.65                               | 21.68                                  | 21.74                                |
| 5               | QPSK       | 12         | 13           | 21.61                               | 21.82                                  | 21.51                                |
| 5               | QPSK       | 25         | 0            | 21.52                               | 21.87                                  | 21.85                                |
| 5               | 16QAM      | 1          | 0            | 21.78                               | 21.85                                  | 21.87                                |
| 5               | 16QAM      | 1          | 12           | 21.81                               | 21.82                                  | 21.67                                |
| 5               | 16QAM      | 1          | 24           | 21.59                               | 21.73                                  | 21.68                                |
| 5               | 16QAM      | 12         | 0            | 20.71                               | 20.86                                  | 20.89                                |
| 5               | 16QAM      | 12         | 7            | 20.86                               | 20.80                                  | 20.81                                |
| 5               | 16QAM      | 12         | 13           | 20.66                               | 20.78                                  | 20.66                                |
| 5               | 16QAM      | 25         | 0            | 20.66                               | 20.88                                  | 20.57                                |
| 5               | 64QAM      | 1          | 0            | 20.71                               | 20.87                                  | 20.81                                |
| 5               | 64QAM      | 1          | 12           | 20.80                               | 20.81                                  | 20.70                                |
| 5               | 64QAM      | 1          | 24           | 20.56                               | 20.75                                  | 20.68                                |
| 5               | 64QAM      | 12         | 0            | 19.84                               | 19.91                                  | 19.75                                |
| 5               | 64QAM      | 12         | 7            | 19.62                               | 19.68                                  | 19.61                                |
| 5               | 64QAM      | 12         | 13           | 19.59                               | 19.87                                  | 19.64                                |
| 5               | 64QAM      | 25         | 0            | 19.69                               | 19.63                                  | 19.76                                |



| LTE Band 41 (Power Class 2) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39750                               | 40620                                  | 41490                                |
| Frequency (MHz)             |            |            |              | 2506                                | 2593                                   | 2680                                 |
| 20                          | QPSK       | 1          | 0            | 23.20                               | 23.26                                  | 23.15                                |
| 20                          | QPSK       | 1          | 49           | 23.05                               | 23.10                                  | 23.03                                |
| 20                          | QPSK       | 1          | 99           | 23.06                               | 23.11                                  | 23.00                                |
| 20                          | QPSK       | 50         | 0            | 22.27                               | 22.33                                  | 22.18                                |
| 20                          | QPSK       | 50         | 24           | 22.07                               | 22.19                                  | 22.02                                |
| 20                          | QPSK       | 50         | 50           | 22.14                               | 22.09                                  | 22.06                                |
| 20                          | QPSK       | 100        | 0            | 22.09                               | 22.10                                  | 21.89                                |
| 20                          | 16QAM      | 1          | 0            | 22.25                               | 22.31                                  | 22.17                                |
| 20                          | 16QAM      | 1          | 49           | 22.25                               | 22.11                                  | 22.06                                |
| 20                          | 16QAM      | 1          | 99           | 22.19                               | 22.00                                  | 22.16                                |
| 20                          | 16QAM      | 50         | 0            | 21.02                               | 21.22                                  | 21.08                                |
| 20                          | 16QAM      | 50         | 24           | 20.99                               | 21.07                                  | 21.06                                |
| 20                          | 16QAM      | 50         | 50           | 20.90                               | 21.10                                  | 21.01                                |
| 20                          | 16QAM      | 100        | 0            | 21.02                               | 21.07                                  | 20.95                                |
| 20                          | 64QAM      | 1          | 0            | 21.20                               | 21.41                                  | 21.37                                |
| 20                          | 64QAM      | 1          | 49           | 21.25                               | 21.26                                  | 21.05                                |
| 20                          | 64QAM      | 1          | 99           | 21.19                               | 21.09                                  | 21.03                                |
| 20                          | 64QAM      | 50         | 0            | 19.94                               | 20.15                                  | 20.18                                |
| 20                          | 64QAM      | 50         | 24           | 19.86                               | 20.13                                  | 19.88                                |
| 20                          | 64QAM      | 50         | 50           | 20.14                               | 19.99                                  | 19.81                                |
| 20                          | 64QAM      | 100        | 0            | 19.86                               | 19.87                                  | 19.93                                |



| LTE Band 41 (Power Class 2) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39725                               | 40620                                  | 41515                                |
| Frequency (MHz)             |            |            |              | 2503.5                              | 2593                                   | 2682.5                               |
| 15                          | QPSK       | 1          | 0            | 23.05                               | 23.20                                  | 23.04                                |
| 15                          | QPSK       | 1          | 37           | 22.89                               | 22.97                                  | 22.97                                |
| 15                          | QPSK       | 1          | 74           | 22.88                               | 23.14                                  | 22.98                                |
| 15                          | QPSK       | 36         | 0            | 22.28                               | 22.23                                  | 22.01                                |
| 15                          | QPSK       | 36         | 20           | 22.06                               | 22.19                                  | 21.94                                |
| 15                          | QPSK       | 36         | 39           | 21.98                               | 22.04                                  | 21.92                                |
| 15                          | QPSK       | 75         | 0            | 22.19                               | 21.91                                  | 22.03                                |
| 15                          | 16QAM      | 1          | 0            | 22.16                               | 22.28                                  | 22.17                                |
| 15                          | 16QAM      | 1          | 37           | 22.20                               | 22.27                                  | 22.23                                |
| 15                          | 16QAM      | 1          | 74           | 22.20                               | 22.12                                  | 22.26                                |
| 15                          | 16QAM      | 36         | 0            | 20.95                               | 21.15                                  | 21.08                                |
| 15                          | 16QAM      | 36         | 20           | 20.95                               | 21.18                                  | 21.13                                |
| 15                          | 16QAM      | 36         | 39           | 20.84                               | 20.87                                  | 20.96                                |
| 15                          | 16QAM      | 75         | 0            | 21.16                               | 21.17                                  | 21.01                                |
| 15                          | 64QAM      | 1          | 0            | 21.02                               | 21.07                                  | 21.11                                |
| 15                          | 64QAM      | 1          | 37           | 21.27                               | 21.08                                  | 21.22                                |
| 15                          | 64QAM      | 1          | 74           | 20.93                               | 21.17                                  | 21.05                                |
| 15                          | 64QAM      | 36         | 0            | 20.09                               | 20.24                                  | 20.26                                |
| 15                          | 64QAM      | 36         | 20           | 20.19                               | 20.06                                  | 20.13                                |
| 15                          | 64QAM      | 36         | 39           | 19.93                               | 20.15                                  | 20.08                                |
| 15                          | 64QAM      | 75         | 0            | 20.19                               | 20.21                                  | 19.97                                |



| LTE Band 41 (Power Class 2) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39700                               | 40620                                  | 41540                                |
| Frequency (MHz)             |            |            |              | 2501                                | 2593                                   | 2685                                 |
| 10                          | QPSK       | 1          | 0            | 23.14                               | 23.16                                  | 23.01                                |
| 10                          | QPSK       | 1          | 25           | 22.89                               | 22.97                                  | 23.03                                |
| 10                          | QPSK       | 1          | 49           | 22.89                               | 23.05                                  | 22.93                                |
| 10                          | QPSK       | 25         | 0            | 22.12                               | 22.16                                  | 22.20                                |
| 10                          | QPSK       | 25         | 12           | 22.24                               | 22.04                                  | 21.90                                |
| 10                          | QPSK       | 25         | 25           | 22.05                               | 22.15                                  | 22.06                                |
| 10                          | QPSK       | 50         | 0            | 22.15                               | 22.00                                  | 22.10                                |
| 10                          | 16QAM      | 1          | 0            | 22.35                               | 22.38                                  | 22.35                                |
| 10                          | 16QAM      | 1          | 25           | 22.17                               | 22.04                                  | 22.03                                |
| 10                          | 16QAM      | 1          | 49           | 22.09                               | 22.24                                  | 22.26                                |
| 10                          | 16QAM      | 25         | 0            | 20.97                               | 21.15                                  | 21.04                                |
| 10                          | 16QAM      | 25         | 12           | 21.19                               | 20.95                                  | 21.12                                |
| 10                          | 16QAM      | 25         | 25           | 20.95                               | 20.99                                  | 20.93                                |
| 10                          | 16QAM      | 50         | 0            | 20.89                               | 21.15                                  | 20.89                                |
| 10                          | 64QAM      | 1          | 0            | 21.27                               | 21.19                                  | 21.16                                |
| 10                          | 64QAM      | 1          | 25           | 21.18                               | 21.03                                  | 21.05                                |
| 10                          | 64QAM      | 1          | 49           | 21.07                               | 21.18                                  | 21.13                                |
| 10                          | 64QAM      | 25         | 0            | 20.07                               | 20.21                                  | 20.18                                |
| 10                          | 64QAM      | 25         | 12           | 20.16                               | 19.98                                  | 19.87                                |
| 10                          | 64QAM      | 25         | 25           | 19.90                               | 20.11                                  | 19.95                                |
| 10                          | 64QAM      | 50         | 0            | 20.12                               | 19.96                                  | 20.07                                |





| LTE Band 41 (Power Class 2) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39675                               | 40620                                  | 41565                                |
| Frequency (MHz)             |            |            |              | 2498.5                              | 2593                                   | 2687.5                               |
| 5                           | QPSK       | 1          | 0            | 23.12                               | 23.19                                  | 22.99                                |
| 5                           | QPSK       | 1          | 12           | 23.02                               | 23.19                                  | 22.95                                |
| 5                           | QPSK       | 1          | 24           | 23.12                               | 23.08                                  | 23.03                                |
| 5                           | QPSK       | 12         | 0            | 22.09                               | 22.23                                  | 22.09                                |
| 5                           | QPSK       | 12         | 7            | 22.11                               | 22.05                                  | 22.21                                |
| 5                           | QPSK       | 12         | 13           | 21.95                               | 22.00                                  | 22.11                                |
| 5                           | QPSK       | 25         | 0            | 22.15                               | 22.18                                  | 22.14                                |
| 5                           | 16QAM      | 1          | 0            | 22.14                               | 22.11                                  | 22.13                                |
| 5                           | 16QAM      | 1          | 12           | 22.02                               | 22.05                                  | 22.01                                |
| 5                           | 16QAM      | 1          | 24           | 22.17                               | 22.16                                  | 21.95                                |
| 5                           | 16QAM      | 12         | 0            | 21.16                               | 21.00                                  | 21.13                                |
| 5                           | 16QAM      | 12         | 7            | 20.90                               | 20.95                                  | 21.12                                |
| 5                           | 16QAM      | 12         | 13           | 21.01                               | 21.04                                  | 21.04                                |
| 5                           | 16QAM      | 25         | 0            | 20.95                               | 21.15                                  | 20.84                                |
| 5                           | 64QAM      | 1          | 0            | 21.22                               | 21.15                                  | 21.09                                |
| 5                           | 64QAM      | 1          | 12           | 21.28                               | 21.25                                  | 21.08                                |
| 5                           | 64QAM      | 1          | 24           | 21.16                               | 21.04                                  | 21.02                                |
| 5                           | 64QAM      | 12         | 0            | 19.97                               | 20.05                                  | 20.16                                |
| 5                           | 64QAM      | 12         | 7            | 20.14                               | 20.13                                  | 20.00                                |
| 5                           | 64QAM      | 12         | 13           | 20.14                               | 20.09                                  | 20.15                                |
| 5                           | 64QAM      | 25         | 0            | 20.02                               | 20.01                                  | 20.04                                |



| LTE Band 41 (Power Class 3) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39750                               | 40620                                  | 41490                                |
| Frequency (MHz)             |            |            |              | 2506                                | 2593                                   | 2680                                 |
| 20                          | QPSK       | 1          | 0            | 25.60                               | 25.68                                  | 25.42                                |
| 20                          | QPSK       | 1          | 49           | 25.63                               | 25.40                                  | 25.55                                |
| 20                          | QPSK       | 1          | 99           | 25.42                               | 25.54                                  | 25.47                                |
| 20                          | QPSK       | 50         | 0            | 24.61                               | 24.80                                  | 24.60                                |
| 20                          | QPSK       | 50         | 24           | 24.65                               | 24.65                                  | 24.70                                |
| 20                          | QPSK       | 50         | 50           | 24.58                               | 24.62                                  | 24.57                                |
| 20                          | QPSK       | 100        | 0            | 24.65                               | 24.52                                  | 24.69                                |
| 20                          | 16QAM      | 1          | 0            | 24.55                               | 24.64                                  | 24.70                                |
| 20                          | 16QAM      | 1          | 49           | 24.84                               | 24.68                                  | 24.56                                |
| 20                          | 16QAM      | 1          | 99           | 24.52                               | 24.67                                  | 24.72                                |
| 20                          | 16QAM      | 50         | 0            | 23.62                               | 23.61                                  | 23.67                                |
| 20                          | 16QAM      | 50         | 24           | 23.58                               | 23.46                                  | 23.43                                |
| 20                          | 16QAM      | 50         | 50           | 23.49                               | 23.60                                  | 23.53                                |
| 20                          | 16QAM      | 100        | 0            | 23.45                               | 23.58                                  | 23.48                                |
| 20                          | 64QAM      | 1          | 0            | 23.56                               | 23.81                                  | 23.68                                |
| 20                          | 64QAM      | 1          | 49           | 23.67                               | 23.77                                  | 23.54                                |
| 20                          | 64QAM      | 1          | 99           | 23.61                               | 23.58                                  | 23.73                                |
| 20                          | 64QAM      | 50         | 0            | 22.54                               | 22.52                                  | 22.46                                |
| 20                          | 64QAM      | 50         | 24           | 22.43                               | 22.54                                  | 22.47                                |
| 20                          | 64QAM      | 50         | 50           | 22.42                               | 22.63                                  | 22.48                                |
| 20                          | 64QAM      | 100        | 0            | 22.49                               | 22.58                                  | 22.56                                |



| LTE Band 41 (Power Class 3) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39725                               | 40620                                  | 41515                                |
| Frequency (MHz)             |            |            |              | 2503.5                              | 2593                                   | 2682.5                               |
| 15                          | QPSK       | 1          | 0            | 25.56                               | 25.65                                  | 25.40                                |
| 15                          | QPSK       | 1          | 37           | 25.43                               | 25.42                                  | 25.57                                |
| 15                          | QPSK       | 1          | 74           | 25.35                               | 25.34                                  | 25.63                                |
| 15                          | QPSK       | 36         | 0            | 24.51                               | 24.79                                  | 24.80                                |
| 15                          | QPSK       | 36         | 20           | 24.51                               | 24.61                                  | 24.62                                |
| 15                          | QPSK       | 36         | 39           | 24.50                               | 24.65                                  | 24.54                                |
| 15                          | QPSK       | 75         | 0            | 24.37                               | 24.66                                  | 24.55                                |
| 15                          | 16QAM      | 1          | 0            | 24.69                               | 24.82                                  | 24.62                                |
| 15                          | 16QAM      | 1          | 37           | 24.63                               | 24.56                                  | 24.71                                |
| 15                          | 16QAM      | 1          | 74           | 24.46                               | 24.53                                  | 24.64                                |
| 15                          | 16QAM      | 36         | 0            | 23.55                               | 23.64                                  | 23.54                                |
| 15                          | 16QAM      | 36         | 20           | 23.65                               | 23.59                                  | 23.57                                |
| 15                          | 16QAM      | 36         | 39           | 23.54                               | 23.30                                  | 23.31                                |
| 15                          | 16QAM      | 75         | 0            | 23.34                               | 23.36                                  | 23.58                                |
| 15                          | 64QAM      | 1          | 0            | 23.82                               | 23.83                                  | 23.62                                |
| 15                          | 64QAM      | 1          | 37           | 23.50                               | 23.70                                  | 23.58                                |
| 15                          | 64QAM      | 1          | 74           | 23.62                               | 23.68                                  | 23.68                                |
| 15                          | 64QAM      | 36         | 0            | 22.47                               | 22.53                                  | 22.72                                |
| 15                          | 64QAM      | 36         | 20           | 22.44                               | 22.67                                  | 22.48                                |
| 15                          | 64QAM      | 36         | 39           | 22.57                               | 22.55                                  | 22.37                                |
| 15                          | 64QAM      | 75         | 0            | 22.42                               | 22.40                                  | 22.61                                |



| LTE Band 41 (Power Class 3) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39700                               | 40620                                  | 41540                                |
| Frequency (MHz)             |            |            |              | 2501                                | 2593                                   | 2685                                 |
| 10                          | QPSK       | 1          | 0            | 25.57                               | 25.62                                  | 25.53                                |
| 10                          | QPSK       | 1          | 25           | 25.49                               | 25.59                                  | 25.41                                |
| 10                          | QPSK       | 1          | 49           | 25.44                               | 25.60                                  | 25.63                                |
| 10                          | QPSK       | 25         | 0            | 24.62                               | 24.58                                  | 24.77                                |
| 10                          | QPSK       | 25         | 12           | 24.72                               | 24.49                                  | 24.43                                |
| 10                          | QPSK       | 25         | 25           | 24.61                               | 24.43                                  | 24.41                                |
| 10                          | QPSK       | 50         | 0            | 24.64                               | 24.63                                  | 24.45                                |
| 10                          | 16QAM      | 1          | 0            | 24.60                               | 24.64                                  | 24.72                                |
| 10                          | 16QAM      | 1          | 25           | 24.73                               | 24.70                                  | 24.77                                |
| 10                          | 16QAM      | 1          | 49           | 24.67                               | 24.53                                  | 24.66                                |
| 10                          | 16QAM      | 25         | 0            | 23.52                               | 23.64                                  | 23.43                                |
| 10                          | 16QAM      | 25         | 12           | 23.60                               | 23.67                                  | 23.65                                |
| 10                          | 16QAM      | 25         | 25           | 23.47                               | 23.51                                  | 23.37                                |
| 10                          | 16QAM      | 50         | 0            | 23.58                               | 23.62                                  | 23.48                                |
| 10                          | 64QAM      | 1          | 0            | 23.64                               | 23.88                                  | 23.70                                |
| 10                          | 64QAM      | 1          | 25           | 23.55                               | 23.54                                  | 23.60                                |
| 10                          | 64QAM      | 1          | 49           | 23.75                               | 23.60                                  | 23.64                                |
| 10                          | 64QAM      | 25         | 0            | 22.42                               | 22.62                                  | 22.56                                |
| 10                          | 64QAM      | 25         | 12           | 22.43                               | 22.57                                  | 22.65                                |
| 10                          | 64QAM      | 25         | 25           | 22.46                               | 22.52                                  | 22.31                                |
| 10                          | 64QAM      | 50         | 0            | 22.65                               | 22.47                                  | 22.67                                |



| LTE Band 41 (Power Class 3) |            |            |              |                                     |                                        |                                      |
|-----------------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel                     |            |            |              | 39675                               | 40620                                  | 41565                                |
| Frequency (MHz)             |            |            |              | 2498.5                              | 2593                                   | 2687.5                               |
| 5                           | QPSK       | 1          | 0            | 25.62                               | 25.60                                  | 25.60                                |
| 5                           | QPSK       | 1          | 12           | 25.46                               | 25.43                                  | 25.59                                |
| 5                           | QPSK       | 1          | 24           | 25.60                               | 25.34                                  | 25.45                                |
| 5                           | QPSK       | 12         | 0            | 24.54                               | 24.45                                  | 24.48                                |
| 5                           | QPSK       | 12         | 7            | 24.52                               | 24.55                                  | 24.58                                |
| 5                           | QPSK       | 12         | 13           | 24.65                               | 24.61                                  | 24.58                                |
| 5                           | QPSK       | 25         | 0            | 24.62                               | 24.38                                  | 24.59                                |
| 5                           | 16QAM      | 1          | 0            | 24.72                               | 24.70                                  | 24.66                                |
| 5                           | 16QAM      | 1          | 12           | 24.76                               | 24.64                                  | 24.65                                |
| 5                           | 16QAM      | 1          | 24           | 24.69                               | 24.64                                  | 24.69                                |
| 5                           | 16QAM      | 12         | 0            | 23.61                               | 23.63                                  | 23.72                                |
| 5                           | 16QAM      | 12         | 7            | 23.59                               | 23.59                                  | 23.54                                |
| 5                           | 16QAM      | 12         | 13           | 23.44                               | 23.52                                  | 23.44                                |
| 5                           | 16QAM      | 25         | 0            | 23.37                               | 23.62                                  | 23.45                                |
| 5                           | 64QAM      | 1          | 0            | 23.81                               | 23.87                                  | 23.80                                |
| 5                           | 64QAM      | 1          | 12           | 23.56                               | 23.67                                  | 23.52                                |
| 5                           | 64QAM      | 1          | 24           | 23.61                               | 23.75                                  | 23.50                                |
| 5                           | 64QAM      | 12         | 0            | 22.57                               | 22.63                                  | 22.70                                |
| 5                           | 64QAM      | 12         | 7            | 22.42                               | 22.59                                  | 22.69                                |
| 5                           | 64QAM      | 12         | 13           | 22.57                               | 22.40                                  | 22.63                                |
| 5                           | 64QAM      | 25         | 0            | 22.61                               | 22.46                                  | 22.36                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 132072                              | 132322                                 | 132572                               |
| Frequency (MHz) |            |            |              | 1720                                | 1745                                   | 1770                                 |
| 20              | QPSK       | 1          | 0            | 22.72                               | 22.81                                  | 22.78                                |
| 20              | QPSK       | 1          | 49           | 22.74                               | 22.67                                  | 22.59                                |
| 20              | QPSK       | 1          | 99           | 22.51                               | 22.69                                  | 22.62                                |
| 20              | QPSK       | 50         | 0            | 21.79                               | 21.90                                  | 21.88                                |
| 20              | QPSK       | 50         | 24           | 21.74                               | 21.69                                  | 21.56                                |
| 20              | QPSK       | 50         | 50           | 21.66                               | 21.71                                  | 21.68                                |
| 20              | QPSK       | 100        | 0            | 21.55                               | 21.79                                  | 21.68                                |
| 20              | 16QAM      | 1          | 0            | 21.73                               | 21.85                                  | 21.83                                |
| 20              | 16QAM      | 1          | 49           | 21.56                               | 21.71                                  | 21.76                                |
| 20              | 16QAM      | 1          | 99           | 21.69                               | 21.66                                  | 21.71                                |
| 20              | 16QAM      | 50         | 0            | 20.81                               | 20.86                                  | 20.72                                |
| 20              | 16QAM      | 50         | 24           | 20.81                               | 20.62                                  | 20.84                                |
| 20              | 16QAM      | 50         | 50           | 20.52                               | 20.76                                  | 20.60                                |
| 20              | 16QAM      | 100        | 0            | 20.72                               | 20.58                                  | 20.76                                |
| 20              | 64QAM      | 1          | 0            | 20.82                               | 20.80                                  | 20.74                                |
| 20              | 64QAM      | 1          | 49           | 20.70                               | 20.76                                  | 20.70                                |
| 20              | 64QAM      | 1          | 99           | 20.56                               | 20.65                                  | 20.67                                |
| 20              | 64QAM      | 50         | 0            | 19.73                               | 19.84                                  | 19.71                                |
| 20              | 64QAM      | 50         | 24           | 19.63                               | 19.56                                  | 19.76                                |
| 20              | 64QAM      | 50         | 50           | 19.57                               | 19.60                                  | 19.79                                |
| 20              | 64QAM      | 100        | 0            | 19.77                               | 19.69                                  | 19.73                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 132047                              | 132322                                 | 132597                               |
| Frequency (MHz) |            |            |              | 1717.5                              | 1745                                   | 1772.5                               |
| 15              | QPSK       | 1          | 0            | 22.73                               | 22.75                                  | 22.68                                |
| 15              | QPSK       | 1          | 37           | 22.72                               | 22.68                                  | 22.70                                |
| 15              | QPSK       | 1          | 74           | 22.63                               | 22.66                                  | 22.66                                |
| 15              | QPSK       | 36         | 0            | 21.76                               | 21.87                                  | 21.86                                |
| 15              | QPSK       | 36         | 20           | 21.63                               | 21.70                                  | 21.62                                |
| 15              | QPSK       | 36         | 39           | 21.59                               | 21.75                                  | 21.65                                |
| 15              | QPSK       | 75         | 0            | 21.50                               | 21.59                                  | 21.70                                |
| 15              | 16QAM      | 1          | 0            | 21.75                               | 21.85                                  | 21.85                                |
| 15              | 16QAM      | 1          | 37           | 21.70                               | 21.80                                  | 21.76                                |
| 15              | 16QAM      | 1          | 74           | 21.82                               | 21.86                                  | 21.78                                |
| 15              | 16QAM      | 36         | 0            | 20.71                               | 20.83                                  | 20.73                                |
| 15              | 16QAM      | 36         | 20           | 20.66                               | 20.80                                  | 20.95                                |
| 15              | 16QAM      | 36         | 39           | 20.63                               | 20.67                                  | 20.87                                |
| 15              | 16QAM      | 75         | 0            | 20.67                               | 20.65                                  | 20.51                                |
| 15              | 64QAM      | 1          | 0            | 20.73                               | 20.83                                  | 20.74                                |
| 15              | 64QAM      | 1          | 37           | 20.64                               | 20.74                                  | 20.61                                |
| 15              | 64QAM      | 1          | 74           | 20.77                               | 20.81                                  | 20.83                                |
| 15              | 64QAM      | 36         | 0            | 19.65                               | 19.75                                  | 19.82                                |
| 15              | 64QAM      | 36         | 20           | 19.73                               | 19.76                                  | 19.56                                |
| 15              | 64QAM      | 36         | 39           | 19.58                               | 19.84                                  | 19.69                                |
| 15              | 64QAM      | 75         | 0            | 19.51                               | 19.71                                  | 19.84                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 132022                              | 132322                                 | 132622                               |
| Frequency (MHz) |            |            |              | 1715                                | 1745                                   | 1775                                 |
| 10              | QPSK       | 1          | 0            | 22.74                               | 22.79                                  | 22.75                                |
| 10              | QPSK       | 1          | 25           | 22.61                               | 22.69                                  | 22.59                                |
| 10              | QPSK       | 1          | 49           | 22.62                               | 22.75                                  | 22.53                                |
| 10              | QPSK       | 25         | 0            | 21.62                               | 21.89                                  | 21.74                                |
| 10              | QPSK       | 25         | 12           | 21.82                               | 21.87                                  | 21.85                                |
| 10              | QPSK       | 25         | 25           | 21.66                               | 21.61                                  | 21.66                                |
| 10              | QPSK       | 50         | 0            | 21.69                               | 21.91                                  | 21.61                                |
| 10              | 16QAM      | 1          | 0            | 21.76                               | 21.80                                  | 21.82                                |
| 10              | 16QAM      | 1          | 25           | 21.83                               | 21.76                                  | 21.75                                |
| 10              | 16QAM      | 1          | 49           | 21.68                               | 21.69                                  | 21.83                                |
| 10              | 16QAM      | 25         | 0            | 20.82                               | 20.88                                  | 20.86                                |
| 10              | 16QAM      | 25         | 12           | 20.65                               | 20.86                                  | 20.62                                |
| 10              | 16QAM      | 25         | 25           | 20.59                               | 20.53                                  | 20.67                                |
| 10              | 16QAM      | 50         | 0            | 20.69                               | 20.77                                  | 20.60                                |
| 10              | 64QAM      | 1          | 0            | 20.76                               | 20.88                                  | 20.85                                |
| 10              | 64QAM      | 1          | 25           | 20.62                               | 20.67                                  | 20.75                                |
| 10              | 64QAM      | 1          | 49           | 20.57                               | 20.71                                  | 20.76                                |
| 10              | 64QAM      | 25         | 0            | 19.52                               | 19.77                                  | 19.63                                |
| 10              | 64QAM      | 25         | 12           | 19.65                               | 19.73                                  | 19.77                                |
| 10              | 64QAM      | 25         | 25           | 19.59                               | 19.75                                  | 19.54                                |
| 10              | 64QAM      | 50         | 0            | 19.69                               | 19.80                                  | 19.54                                |





| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 131997                              | 132322                                 | 132647                               |
| Frequency (MHz) |            |            |              | 1712.5                              | 1745                                   | 1777.5                               |
| 5               | QPSK       | 1          | 0            | 22.66                               | 22.78                                  | 22.73                                |
| 5               | QPSK       | 1          | 12           | 22.77                               | 22.71                                  | 22.71                                |
| 5               | QPSK       | 1          | 24           | 22.71                               | 22.76                                  | 22.50                                |
| 5               | QPSK       | 12         | 0            | 21.72                               | 21.76                                  | 21.76                                |
| 5               | QPSK       | 12         | 7            | 21.80                               | 21.63                                  | 21.58                                |
| 5               | QPSK       | 12         | 13           | 21.60                               | 21.62                                  | 21.51                                |
| 5               | QPSK       | 25         | 0            | 21.64                               | 21.65                                  | 21.79                                |
| 5               | 16QAM      | 1          | 0            | 21.88                               | 21.86                                  | 21.73                                |
| 5               | 16QAM      | 1          | 12           | 21.83                               | 21.75                                  | 21.72                                |
| 5               | 16QAM      | 1          | 24           | 21.59                               | 21.77                                  | 21.66                                |
| 5               | 16QAM      | 12         | 0            | 20.71                               | 20.69                                  | 20.76                                |
| 5               | 16QAM      | 12         | 7            | 20.64                               | 20.75                                  | 20.81                                |
| 5               | 16QAM      | 12         | 13           | 20.51                               | 20.57                                  | 20.54                                |
| 5               | 16QAM      | 25         | 0            | 20.40                               | 20.60                                  | 20.65                                |
| 5               | 64QAM      | 1          | 0            | 20.68                               | 20.79                                  | 20.72                                |
| 5               | 64QAM      | 1          | 12           | 20.89                               | 20.84                                  | 20.82                                |
| 5               | 64QAM      | 1          | 24           | 20.52                               | 20.63                                  | 20.73                                |
| 5               | 64QAM      | 12         | 0            | 19.83                               | 19.70                                  | 19.77                                |
| 5               | 64QAM      | 12         | 7            | 19.66                               | 19.80                                  | 19.78                                |
| 5               | 64QAM      | 12         | 13           | 19.59                               | 19.75                                  | 19.78                                |
| 5               | 64QAM      | 25         | 0            | 19.56                               | 19.70                                  | 19.65                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 131987                              | 132322                                 | 132657                               |
| Frequency (MHz) |            |            |              | 1711.5                              | 1745                                   | 1778.5                               |
| 3               | QPSK       | 1          | 0            | 22.68                               | 22.77                                  | 22.68                                |
| 3               | QPSK       | 1          | 8            | 22.59                               | 22.71                                  | 22.59                                |
| 3               | QPSK       | 1          | 14           | 22.60                               | 22.63                                  | 22.75                                |
| 3               | QPSK       | 8          | 0            | 21.65                               | 21.77                                  | 21.78                                |
| 3               | QPSK       | 8          | 4            | 21.75                               | 21.79                                  | 21.71                                |
| 3               | QPSK       | 8          | 7            | 21.57                               | 21.64                                  | 21.46                                |
| 3               | QPSK       | 15         | 0            | 21.74                               | 21.60                                  | 21.63                                |
| 3               | 16QAM      | 1          | 0            | 21.77                               | 21.86                                  | 21.84                                |
| 3               | 16QAM      | 1          | 8            | 21.87                               | 21.83                                  | 21.69                                |
| 3               | 16QAM      | 1          | 14           | 21.68                               | 21.82                                  | 21.77                                |
| 3               | 16QAM      | 8          | 0            | 20.68                               | 20.71                                  | 20.90                                |
| 3               | 16QAM      | 8          | 4            | 20.69                               | 20.72                                  | 20.88                                |
| 3               | 16QAM      | 8          | 7            | 20.62                               | 20.57                                  | 20.70                                |
| 3               | 16QAM      | 15         | 0            | 20.65                               | 20.80                                  | 20.53                                |
| 3               | 64QAM      | 1          | 0            | 20.73                               | 20.87                                  | 20.81                                |
| 3               | 64QAM      | 1          | 8            | 20.82                               | 20.82                                  | 20.82                                |
| 3               | 64QAM      | 1          | 14           | 20.58                               | 20.69                                  | 20.73                                |
| 3               | 64QAM      | 8          | 0            | 19.69                               | 19.81                                  | 19.83                                |
| 3               | 64QAM      | 8          | 4            | 19.62                               | 19.66                                  | 19.62                                |
| 3               | 64QAM      | 8          | 7            | 19.61                               | 19.70                                  | 19.56                                |
| 3               | 64QAM      | 15         | 0            | 19.64                               | 19.75                                  | 19.87                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 131979                              | 132322                                 | 132665                               |
| Frequency (MHz) |            |            |              | 1710.7                              | 1745                                   | 1779.3                               |
| 1.4             | QPSK       | 1          | 0            | 22.70                               | 22.76                                  | 22.65                                |
| 1.4             | QPSK       | 1          | 3            | 22.57                               | 22.72                                  | 22.69                                |
| 1.4             | QPSK       | 1          | 5            | 22.60                               | 22.65                                  | 22.61                                |
| 1.4             | QPSK       | 3          | 0            | 21.65                               | 21.72                                  | 21.67                                |
| 1.4             | QPSK       | 3          | 1            | 21.66                               | 21.65                                  | 21.86                                |
| 1.4             | QPSK       | 3          | 3            | 21.73                               | 21.80                                  | 21.69                                |
| 1.4             | QPSK       | 6          | 0            | 21.77                               | 21.60                                  | 21.80                                |
| 1.4             | 16QAM      | 1          | 0            | 21.81                               | 21.83                                  | 21.79                                |
| 1.4             | 16QAM      | 1          | 3            | 21.69                               | 21.82                                  | 21.74                                |
| 1.4             | 16QAM      | 1          | 5            | 21.55                               | 21.87                                  | 21.77                                |
| 1.4             | 16QAM      | 3          | 0            | 20.57                               | 20.76                                  | 20.71                                |
| 1.4             | 16QAM      | 3          | 1            | 20.65                               | 20.85                                  | 20.85                                |
| 1.4             | 16QAM      | 3          | 3            | 20.52                               | 20.69                                  | 20.83                                |
| 1.4             | 16QAM      | 6          | 0            | 20.65                               | 20.83                                  | 20.68                                |
| 1.4             | 64QAM      | 1          | 0            | 20.71                               | 20.86                                  | 20.80                                |
| 1.4             | 64QAM      | 1          | 3            | 20.84                               | 20.78                                  | 20.81                                |
| 1.4             | 64QAM      | 1          | 5            | 20.56                               | 20.68                                  | 20.72                                |
| 1.4             | 64QAM      | 3          | 0            | 19.65                               | 19.89                                  | 19.90                                |
| 1.4             | 64QAM      | 3          | 1            | 19.57                               | 19.75                                  | 19.85                                |
| 1.4             | 64QAM      | 3          | 3            | 19.58                               | 19.60                                  | 19.53                                |
| 1.4             | 64QAM      | 6          | 0            | 19.54                               | 19.58                                  | 19.70                                |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133222                        | 133322                           | 133372                         |
| Frequency (MHz) |            |         |           | 673                           | 683                              | 688                            |
| 20              | QPSK       | 1       | 0         | 23.05                         | 23.15                            | 23.07                          |
| 20              | QPSK       | 1       | 49        | 23.04                         | 23.12                            | 23.03                          |
| 20              | QPSK       | 1       | 99        | 23.00                         | 22.98                            | 22.91                          |
| 20              | QPSK       | 50      | 0         | 22.22                         | 22.11                            | 22.19                          |
| 20              | QPSK       | 50      | 24        | 21.96                         | 22.21                            | 21.99                          |
| 20              | QPSK       | 50      | 50        | 21.90                         | 22.02                            | 21.93                          |
| 20              | QPSK       | 100     | 0         | 21.95                         | 21.86                            | 21.99                          |
| 20              | 16QAM      | 1       | 0         | 22.15                         | 22.28                            | 22.18                          |
| 20              | 16QAM      | 1       | 49        | 22.06                         | 22.10                            | 21.98                          |
| 20              | 16QAM      | 1       | 99        | 21.96                         | 22.15                            | 22.01                          |
| 20              | 16QAM      | 50      | 0         | 21.14                         | 21.15                            | 21.04                          |
| 20              | 16QAM      | 50      | 24        | 21.10                         | 20.91                            | 20.93                          |
| 20              | 16QAM      | 50      | 50        | 20.94                         | 20.98                            | 20.90                          |
| 20              | 16QAM      | 100     | 0         | 20.94                         | 21.11                            | 21.08                          |
| 20              | 64QAM      | 1       | 0         | 21.22                         | 21.22                            | 21.00                          |
| 20              | 64QAM      | 1       | 49        | 21.09                         | 21.30                            | 21.22                          |
| 20              | 64QAM      | 1       | 99        | 21.03                         | 21.17                            | 21.08                          |
| 20              | 64QAM      | 50      | 0         | 20.05                         | 20.12                            | 20.07                          |
| 20              | 64QAM      | 50      | 24        | 19.86                         | 20.18                            | 19.99                          |
| 20              | 64QAM      | 50      | 50        | 19.97                         | 20.05                            | 19.98                          |
| 20              | 64QAM      | 100     | 0         | 20.02                         | 20.14                            | 20.19                          |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133197                        | 133297                           | 133397                         |
| Frequency (MHz) |            |         |           | 670.5                         | 680.5                            | 690.5                          |
| 15              | QPSK       | 1       | 0         | 23.04                         | 23.12                            | 23.07                          |
| 15              | QPSK       | 1       | 37        | 22.98                         | 23.11                            | 23.06                          |
| 15              | QPSK       | 1       | 74        | 23.04                         | 23.05                            | 23.02                          |
| 15              | QPSK       | 36      | 0         | 22.23                         | 22.25                            | 22.14                          |
| 15              | QPSK       | 36      | 20        | 22.10                         | 22.07                            | 22.07                          |
| 15              | QPSK       | 36      | 39        | 21.90                         | 22.09                            | 21.91                          |
| 15              | QPSK       | 75      | 0         | 21.80                         | 21.86                            | 21.83                          |
| 15              | 16QAM      | 1       | 0         | 22.31                         | 22.36                            | 22.13                          |
| 15              | 16QAM      | 1       | 37        | 22.11                         | 22.35                            | 22.20                          |
| 15              | 16QAM      | 1       | 74        | 22.06                         | 22.23                            | 22.12                          |
| 15              | 16QAM      | 36      | 0         | 21.02                         | 21.11                            | 21.10                          |
| 15              | 16QAM      | 36      | 20        | 20.97                         | 21.10                            | 21.08                          |
| 15              | 16QAM      | 36      | 39        | 20.94                         | 20.86                            | 21.15                          |
| 15              | 16QAM      | 75      | 0         | 21.06                         | 21.12                            | 21.01                          |
| 15              | 64QAM      | 1       | 0         | 21.14                         | 21.34                            | 21.12                          |
| 15              | 64QAM      | 1       | 37        | 21.17                         | 21.21                            | 21.10                          |
| 15              | 64QAM      | 1       | 74        | 21.15                         | 21.02                            | 21.16                          |
| 15              | 64QAM      | 36      | 0         | 20.01                         | 20.07                            | 19.90                          |
| 15              | 64QAM      | 36      | 20        | 19.82                         | 20.10                            | 19.93                          |
| 15              | 64QAM      | 36      | 39        | 20.01                         | 19.82                            | 19.95                          |
| 15              | 64QAM      | 75      | 0         | 20.07                         | 19.98                            | 19.90                          |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133172                        | 133272                           | 133422                         |
| Frequency (MHz) |            |         |           | 668                           | 678                              | 693                            |
| 10              | QPSK       | 1       | 0         | 22.99                         | 23.11                            | 23.08                          |
| 10              | QPSK       | 1       | 25        | 23.04                         | 22.89                            | 22.95                          |
| 10              | QPSK       | 1       | 49        | 23.02                         | 22.88                            | 23.03                          |
| 10              | QPSK       | 25      | 0         | 22.16                         | 22.20                            | 22.09                          |
| 10              | QPSK       | 25      | 12        | 22.06                         | 22.18                            | 21.93                          |
| 10              | QPSK       | 25      | 25        | 21.87                         | 21.91                            | 21.85                          |
| 10              | QPSK       | 50      | 0         | 21.98                         | 22.07                            | 22.16                          |
| 10              | 16QAM      | 1       | 0         | 22.32                         | 22.33                            | 22.24                          |
| 10              | 16QAM      | 1       | 25        | 22.06                         | 22.16                            | 22.24                          |
| 10              | 16QAM      | 1       | 49        | 22.04                         | 21.99                            | 22.06                          |
| 10              | 16QAM      | 25      | 0         | 21.06                         | 21.14                            | 21.22                          |
| 10              | 16QAM      | 25      | 12        | 20.90                         | 21.07                            | 21.15                          |
| 10              | 16QAM      | 25      | 25        | 20.94                         | 20.99                            | 21.06                          |
| 10              | 16QAM      | 50      | 0         | 21.04                         | 20.93                            | 21.09                          |
| 10              | 64QAM      | 1       | 0         | 21.04                         | 21.23                            | 21.25                          |
| 10              | 64QAM      | 1       | 25        | 21.15                         | 21.03                            | 21.05                          |
| 10              | 64QAM      | 1       | 49        | 21.12                         | 21.20                            | 21.05                          |
| 10              | 64QAM      | 25      | 0         | 20.12                         | 20.13                            | 20.06                          |
| 10              | 64QAM      | 25      | 12        | 19.93                         | 19.99                            | 20.08                          |
| 10              | 64QAM      | 25      | 25        | 19.98                         | 19.91                            | 19.89                          |
| 10              | 64QAM      | 50      | 0         | 20.01                         | 20.10                            | 20.14                          |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133147                        | 133247                           | 133447                         |
| Frequency (MHz) |            |         |           | 665.5                         | 675.5                            | 695.5                          |
| 5               | QPSK       | 1       | 0         | 23.09                         | 23.10                            | 22.89                          |
| 5               | QPSK       | 1       | 12        | 22.81                         | 23.07                            | 22.99                          |
| 5               | QPSK       | 1       | 24        | 22.87                         | 22.90                            | 22.82                          |
| 5               | QPSK       | 12      | 0         | 21.92                         | 22.11                            | 22.11                          |
| 5               | QPSK       | 12      | 7         | 21.80                         | 21.90                            | 22.03                          |
| 5               | QPSK       | 12      | 13        | 21.80                         | 22.06                            | 21.94                          |
| 5               | QPSK       | 25      | 0         | 22.00                         | 22.16                            | 22.10                          |
| 5               | 16QAM      | 1       | 0         | 22.20                         | 22.36                            | 22.27                          |
| 5               | 16QAM      | 1       | 12        | 22.05                         | 22.07                            | 22.02                          |
| 5               | 16QAM      | 1       | 24        | 22.05                         | 22.07                            | 21.98                          |
| 5               | 16QAM      | 12      | 0         | 21.05                         | 21.07                            | 21.09                          |
| 5               | 16QAM      | 12      | 7         | 20.82                         | 20.91                            | 21.01                          |
| 5               | 16QAM      | 12      | 13        | 20.99                         | 20.98                            | 20.96                          |
| 5               | 16QAM      | 25      | 0         | 21.05                         | 20.99                            | 21.00                          |
| 5               | 64QAM      | 1       | 0         | 21.16                         | 21.12                            | 20.99                          |
| 5               | 64QAM      | 1       | 12        | 20.98                         | 20.98                            | 21.12                          |
| 5               | 64QAM      | 1       | 24        | 20.91                         | 21.15                            | 21.17                          |
| 5               | 64QAM      | 12      | 0         | 19.95                         | 20.11                            | 20.01                          |
| 5               | 64QAM      | 12      | 7         | 20.10                         | 20.09                            | 19.99                          |
| 5               | 64QAM      | 12      | 13        | 19.82                         | 19.85                            | 19.98                          |
| 5               | 64QAM      | 25      | 0         | 20.03                         | 20.08                            | 20.17                          |

**Effective Radiated Power and Effective Isotropic Radiated Power**

| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18700             |       | 18900              |       | 19100            |       |
| Frequency (MHz) |            |         |           | 1860              |       | 1880               |       | 1900             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 27.38             | 0.547 | 27.27              | 0.533 | 27.25            | 0.531 |
| 20              | QPSK       | 1       | 49        | 27.32             | 0.540 | 27.24              | 0.530 | 27.21            | 0.526 |
| 20              | QPSK       | 1       | 99        | 27.23             | 0.528 | 27.19              | 0.524 | 27.17            | 0.521 |
| 20              | QPSK       | 50      | 0         | 26.43             | 0.440 | 26.32              | 0.429 | 26.30            | 0.427 |
| 20              | QPSK       | 50      | 24        | 26.31             | 0.428 | 26.27              | 0.424 | 26.22            | 0.419 |
| 20              | QPSK       | 50      | 50        | 26.20             | 0.417 | 26.18              | 0.415 | 26.13            | 0.410 |
| 20              | QPSK       | 100     | 0         | 26.25             | 0.422 | 26.23              | 0.420 | 26.20            | 0.417 |
| 20              | 16QAM      | 1       | 0         | 26.50             | 0.447 | 26.48              | 0.445 | 26.41            | 0.438 |
| 20              | 16QAM      | 1       | 49        | 26.36             | 0.433 | 26.37              | 0.434 | 26.28            | 0.425 |
| 20              | 16QAM      | 1       | 99        | 26.29             | 0.426 | 26.31              | 0.428 | 26.25            | 0.422 |
| 20              | 16QAM      | 50      | 0         | 25.32             | 0.340 | 25.29              | 0.338 | 25.26            | 0.336 |
| 20              | 16QAM      | 50      | 24        | 25.28             | 0.337 | 25.24              | 0.334 | 25.27            | 0.337 |
| 20              | 16QAM      | 50      | 50        | 25.21             | 0.332 | 25.09              | 0.323 | 25.19            | 0.330 |
| 20              | 16QAM      | 100     | 0         | 25.22             | 0.333 | 25.20              | 0.331 | 25.17            | 0.329 |
| 20              | 64QAM      | 1       | 0         | 25.47             | 0.352 | 25.43              | 0.349 | 25.35            | 0.343 |
| 20              | 64QAM      | 1       | 49        | 25.39             | 0.346 | 25.32              | 0.340 | 25.26            | 0.336 |
| 20              | 64QAM      | 1       | 99        | 25.33             | 0.341 | 25.30              | 0.339 | 25.28            | 0.337 |
| 20              | 64QAM      | 50      | 0         | 24.31             | 0.270 | 24.28              | 0.268 | 24.23            | 0.265 |
| 20              | 64QAM      | 50      | 24        | 24.27             | 0.267 | 24.22              | 0.264 | 24.20            | 0.263 |
| 20              | 64QAM      | 50      | 50        | 24.18             | 0.262 | 24.17              | 0.261 | 24.12            | 0.258 |
| 20              | 64QAM      | 100     | 0         | 24.25             | 0.266 | 24.23              | 0.265 | 24.21            | 0.264 |





| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18675             |       | 18900              |       | 19125            |       |
| Frequency (MHz) |            |         |           | 1857.5            |       | 1880               |       | 1902.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 27.35             | 0.543 | 27.30              | 0.537 | 27.24            | 0.530 |
| 15              | QPSK       | 1       | 37        | 27.26             | 0.532 | 27.23              | 0.528 | 27.27            | 0.533 |
| 15              | QPSK       | 1       | 74        | 27.29             | 0.536 | 27.11              | 0.514 | 27.20            | 0.525 |
| 15              | QPSK       | 36      | 0         | 26.42             | 0.439 | 26.45              | 0.442 | 26.30            | 0.427 |
| 15              | QPSK       | 36      | 20        | 26.27             | 0.424 | 26.14              | 0.411 | 26.19            | 0.416 |
| 15              | QPSK       | 36      | 39        | 26.32             | 0.429 | 26.20              | 0.417 | 26.30            | 0.427 |
| 15              | QPSK       | 75      | 0         | 26.33             | 0.430 | 26.42              | 0.439 | 26.39            | 0.436 |
| 15              | 16QAM      | 1       | 0         | 26.62             | 0.459 | 26.56              | 0.453 | 26.26            | 0.423 |
| 15              | 16QAM      | 1       | 37        | 26.41             | 0.438 | 26.58              | 0.455 | 26.51            | 0.448 |
| 15              | 16QAM      | 1       | 74        | 26.21             | 0.418 | 26.47              | 0.444 | 26.25            | 0.422 |
| 15              | 16QAM      | 36      | 0         | 25.34             | 0.342 | 25.22              | 0.333 | 25.20            | 0.331 |
| 15              | 16QAM      | 36      | 20        | 25.33             | 0.341 | 25.20              | 0.331 | 25.33            | 0.341 |
| 15              | 16QAM      | 36      | 39        | 25.25             | 0.335 | 25.09              | 0.323 | 25.29            | 0.338 |
| 15              | 16QAM      | 75      | 0         | 25.39             | 0.346 | 25.06              | 0.321 | 25.21            | 0.332 |
| 15              | 64QAM      | 1       | 0         | 25.52             | 0.356 | 25.29              | 0.338 | 25.30            | 0.339 |
| 15              | 64QAM      | 1       | 37        | 25.40             | 0.347 | 25.29              | 0.338 | 25.18            | 0.330 |
| 15              | 64QAM      | 1       | 74        | 25.35             | 0.343 | 25.34              | 0.342 | 25.29            | 0.338 |
| 15              | 64QAM      | 36      | 0         | 24.43             | 0.277 | 24.24              | 0.265 | 24.23            | 0.265 |
| 15              | 64QAM      | 36      | 20        | 24.16             | 0.261 | 24.03              | 0.253 | 24.19            | 0.262 |
| 15              | 64QAM      | 36      | 39        | 24.24             | 0.265 | 24.35              | 0.272 | 24.07            | 0.255 |
| 15              | 64QAM      | 75      | 0         | 24.33             | 0.271 | 24.11              | 0.258 | 24.17            | 0.261 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18650             |       | 18900              |       | 19150            |       |
| Frequency (MHz) |            |         |           | 1855              |       | 1880               |       | 1905             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 27.34             | 0.542 | 27.30              | 0.537 | 27.26            | 0.532 |
| 10              | QPSK       | 1       | 25        | 27.28             | 0.535 | 27.24              | 0.530 | 27.01            | 0.502 |
| 10              | QPSK       | 1       | 49        | 27.33             | 0.541 | 27.14              | 0.518 | 27.23            | 0.528 |
| 10              | QPSK       | 25      | 0         | 26.44             | 0.441 | 26.27              | 0.424 | 26.25            | 0.422 |
| 10              | QPSK       | 25      | 12        | 26.36             | 0.433 | 26.41              | 0.438 | 26.21            | 0.418 |
| 10              | QPSK       | 25      | 25        | 26.23             | 0.420 | 26.07              | 0.405 | 26.37            | 0.434 |
| 10              | QPSK       | 50      | 0         | 26.23             | 0.420 | 26.32              | 0.429 | 26.43            | 0.440 |
| 10              | 16QAM      | 1       | 0         | 26.47             | 0.444 | 26.45              | 0.442 | 26.33            | 0.430 |
| 10              | 16QAM      | 1       | 25        | 26.26             | 0.423 | 26.17              | 0.414 | 26.49            | 0.446 |
| 10              | 16QAM      | 1       | 49        | 26.44             | 0.441 | 26.36              | 0.433 | 26.41            | 0.438 |
| 10              | 16QAM      | 25      | 0         | 25.31             | 0.340 | 25.41              | 0.348 | 25.20            | 0.331 |
| 10              | 16QAM      | 25      | 12        | 25.45             | 0.351 | 25.37              | 0.344 | 25.38            | 0.345 |
| 10              | 16QAM      | 25      | 25        | 25.21             | 0.332 | 25.34              | 0.342 | 25.39            | 0.346 |
| 10              | 16QAM      | 50      | 0         | 25.25             | 0.335 | 25.22              | 0.333 | 25.21            | 0.332 |
| 10              | 64QAM      | 1       | 0         | 25.47             | 0.352 | 25.48              | 0.353 | 25.31            | 0.340 |
| 10              | 64QAM      | 1       | 25        | 25.26             | 0.336 | 25.26              | 0.336 | 25.29            | 0.338 |
| 10              | 64QAM      | 1       | 49        | 25.32             | 0.340 | 25.15              | 0.327 | 25.27            | 0.337 |
| 10              | 64QAM      | 25      | 0         | 24.34             | 0.272 | 24.42              | 0.277 | 24.40            | 0.275 |
| 10              | 64QAM      | 25      | 12        | 24.38             | 0.274 | 24.19              | 0.262 | 24.26            | 0.267 |
| 10              | 64QAM      | 25      | 25        | 24.28             | 0.268 | 24.17              | 0.261 | 24.11            | 0.258 |
| 10              | 64QAM      | 50      | 0         | 24.38             | 0.274 | 24.19              | 0.262 | 24.05            | 0.254 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18625             |       | 18900              |       | 19175            |       |
| Frequency (MHz) |            |         |           | 1852.5            |       | 1880               |       | 1907.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 27.36             | 0.545 | 27.29              | 0.536 | 27.26            | 0.532 |
| 5               | QPSK       | 1       | 12        | 27.30             | 0.537 | 27.26              | 0.532 | 27.29            | 0.536 |
| 5               | QPSK       | 1       | 24        | 27.35             | 0.543 | 27.22              | 0.527 | 27.24            | 0.530 |
| 5               | QPSK       | 12      | 0         | 26.40             | 0.437 | 26.40              | 0.437 | 26.35            | 0.432 |
| 5               | QPSK       | 12      | 7         | 26.47             | 0.444 | 26.23              | 0.420 | 26.24            | 0.421 |
| 5               | QPSK       | 12      | 13        | 26.16             | 0.413 | 26.20              | 0.417 | 26.24            | 0.421 |
| 5               | QPSK       | 25      | 0         | 26.28             | 0.425 | 26.26              | 0.423 | 26.07            | 0.405 |
| 5               | 16QAM      | 1       | 0         | 26.41             | 0.438 | 26.39              | 0.436 | 26.26            | 0.423 |
| 5               | 16QAM      | 1       | 12        | 26.37             | 0.434 | 26.29              | 0.426 | 26.09            | 0.406 |
| 5               | 16QAM      | 1       | 24        | 26.11             | 0.408 | 26.33              | 0.430 | 26.20            | 0.417 |
| 5               | 16QAM      | 12      | 0         | 25.44             | 0.350 | 25.31              | 0.340 | 25.24            | 0.334 |
| 5               | 16QAM      | 12      | 7         | 25.34             | 0.342 | 25.25              | 0.335 | 25.15            | 0.327 |
| 5               | 16QAM      | 12      | 13        | 25.33             | 0.341 | 24.94              | 0.312 | 25.15            | 0.327 |
| 5               | 16QAM      | 25      | 0         | 25.12             | 0.325 | 25.42              | 0.348 | 25.12            | 0.325 |
| 5               | 64QAM      | 1       | 0         | 25.27             | 0.337 | 25.34              | 0.342 | 25.26            | 0.336 |
| 5               | 64QAM      | 1       | 12        | 25.19             | 0.330 | 25.25              | 0.335 | 25.31            | 0.340 |
| 5               | 64QAM      | 1       | 24        | 25.17             | 0.329 | 25.19              | 0.330 | 25.40            | 0.347 |
| 5               | 64QAM      | 12      | 0         | 24.39             | 0.275 | 24.27              | 0.267 | 24.25            | 0.266 |
| 5               | 64QAM      | 12      | 7         | 24.13             | 0.259 | 24.15              | 0.260 | 24.26            | 0.267 |
| 5               | 64QAM      | 12      | 13        | 24.30             | 0.269 | 24.25              | 0.266 | 24.24            | 0.265 |
| 5               | 64QAM      | 25      | 0         | 24.41             | 0.276 | 24.10              | 0.257 | 24.07            | 0.255 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18615             |       | 18900              |       | 19185            |       |
| Frequency (MHz) |            |         |           | 1851.5            |       | 1880               |       | 1908.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 27.34             | 0.542 | 27.30              | 0.537 | 27.14            | 0.518 |
| 3               | QPSK       | 1       | 8         | 27.29             | 0.536 | 27.32              | 0.540 | 27.17            | 0.521 |
| 3               | QPSK       | 1       | 14        | 27.26             | 0.532 | 27.02              | 0.504 | 27.15            | 0.519 |
| 3               | QPSK       | 8       | 0         | 26.44             | 0.441 | 26.41              | 0.438 | 26.42            | 0.439 |
| 3               | QPSK       | 8       | 4         | 26.42             | 0.439 | 26.39              | 0.436 | 26.06            | 0.404 |
| 3               | QPSK       | 8       | 7         | 26.07             | 0.405 | 26.18              | 0.415 | 26.17            | 0.414 |
| 3               | QPSK       | 15      | 0         | 26.05             | 0.403 | 26.28              | 0.425 | 26.03            | 0.401 |
| 3               | 16QAM      | 1       | 0         | 26.37             | 0.434 | 26.44              | 0.441 | 26.32            | 0.429 |
| 3               | 16QAM      | 1       | 8         | 26.23             | 0.420 | 26.49              | 0.446 | 26.27            | 0.424 |
| 3               | 16QAM      | 1       | 14        | 26.23             | 0.420 | 26.25              | 0.422 | 26.45            | 0.442 |
| 3               | 16QAM      | 8       | 0         | 25.49             | 0.354 | 25.39              | 0.346 | 25.16            | 0.328 |
| 3               | 16QAM      | 8       | 4         | 25.10             | 0.324 | 25.33              | 0.341 | 25.45            | 0.351 |
| 3               | 16QAM      | 8       | 7         | 25.37             | 0.344 | 25.27              | 0.337 | 25.16            | 0.328 |
| 3               | 16QAM      | 15      | 0         | 25.24             | 0.334 | 25.05              | 0.320 | 25.10            | 0.324 |
| 3               | 64QAM      | 1       | 0         | 25.52             | 0.356 | 25.42              | 0.348 | 25.23            | 0.333 |
| 3               | 64QAM      | 1       | 8         | 25.52             | 0.356 | 25.35              | 0.343 | 25.18            | 0.330 |
| 3               | 64QAM      | 1       | 14        | 25.43             | 0.349 | 25.21              | 0.332 | 25.33            | 0.341 |
| 3               | 64QAM      | 8       | 0         | 24.17             | 0.261 | 24.18              | 0.262 | 24.41            | 0.276 |
| 3               | 64QAM      | 8       | 4         | 24.24             | 0.265 | 24.41              | 0.276 | 24.30            | 0.269 |
| 3               | 64QAM      | 8       | 7         | 24.22             | 0.264 | 24.35              | 0.272 | 24.25            | 0.266 |
| 3               | 64QAM      | 15      | 0         | 24.10             | 0.257 | 24.18              | 0.262 | 24.11            | 0.258 |



| LTE Band 2      |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 18607             |       | 18900              |       | 19193            |       |
| Frequency (MHz) |            |         |           | 1850.7            |       | 1880               |       | 1909.3           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 27.33             | 0.541 | 27.27              | 0.533 | 27.23            | 0.528 |
| 1.4             | QPSK       | 1       | 3         | 27.30             | 0.537 | 27.05              | 0.507 | 27.20            | 0.525 |
| 1.4             | QPSK       | 1       | 5         | 27.13             | 0.516 | 27.06              | 0.508 | 26.97            | 0.498 |
| 1.4             | QPSK       | 3       | 0         | 26.45             | 0.442 | 26.33              | 0.430 | 26.24            | 0.421 |
| 1.4             | QPSK       | 3       | 1         | 26.55             | 0.452 | 26.31              | 0.428 | 26.18            | 0.415 |
| 1.4             | QPSK       | 3       | 3         | 26.38             | 0.435 | 26.19              | 0.416 | 26.20            | 0.417 |
| 1.4             | QPSK       | 6       | 0         | 26.13             | 0.410 | 26.22              | 0.419 | 26.39            | 0.436 |
| 1.4             | 16QAM      | 1       | 0         | 26.38             | 0.435 | 26.29              | 0.426 | 26.23            | 0.420 |
| 1.4             | 16QAM      | 1       | 3         | 26.54             | 0.451 | 26.57              | 0.454 | 26.43            | 0.440 |
| 1.4             | 16QAM      | 1       | 5         | 26.54             | 0.451 | 26.52              | 0.449 | 26.49            | 0.446 |
| 1.4             | 16QAM      | 3       | 0         | 25.22             | 0.333 | 25.33              | 0.341 | 25.17            | 0.329 |
| 1.4             | 16QAM      | 3       | 1         | 25.25             | 0.335 | 25.35              | 0.343 | 25.25            | 0.335 |
| 1.4             | 16QAM      | 3       | 3         | 25.32             | 0.340 | 25.20              | 0.331 | 25.24            | 0.334 |
| 1.4             | 16QAM      | 6       | 0         | 25.43             | 0.349 | 25.15              | 0.327 | 25.14            | 0.327 |
| 1.4             | 64QAM      | 1       | 0         | 25.48             | 0.353 | 25.24              | 0.334 | 25.30            | 0.339 |
| 1.4             | 64QAM      | 1       | 3         | 25.44             | 0.350 | 25.19              | 0.330 | 25.20            | 0.331 |
| 1.4             | 64QAM      | 1       | 5         | 25.37             | 0.344 | 25.53              | 0.357 | 25.22            | 0.333 |
| 1.4             | 64QAM      | 3       | 0         | 24.41             | 0.276 | 24.46              | 0.279 | 24.37            | 0.274 |
| 1.4             | 64QAM      | 3       | 1         | 24.18             | 0.262 | 24.20              | 0.263 | 24.36            | 0.273 |
| 1.4             | 64QAM      | 3       | 3         | 24.40             | 0.275 | 24.20              | 0.263 | 24.22            | 0.264 |
| 1.4             | 64QAM      | 6       | 0         | 24.35             | 0.272 | 24.24              | 0.265 | 24.10            | 0.257 |



| LTE Band 4      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20050              |       | 20175                 |       | 20300               |       |
| Frequency (MHz) |            |            |              | 1720               |       | 1732.5                |       | 1745                |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 20              | QPSK       | 1          | 0            | 26.89              | 0.489 | 26.87                 | 0.486 | 26.83               | 0.482 |
| 20              | QPSK       | 1          | 49           | 26.87              | 0.486 | 26.73                 | 0.471 | 26.75               | 0.473 |
| 20              | QPSK       | 1          | 99           | 26.78              | 0.476 | 26.63                 | 0.460 | 26.58               | 0.455 |
| 20              | QPSK       | 50         | 0            | 25.92              | 0.391 | 25.84                 | 0.384 | 25.88               | 0.387 |
| 20              | QPSK       | 50         | 24           | 25.81              | 0.381 | 25.85                 | 0.385 | 25.87               | 0.386 |
| 20              | QPSK       | 50         | 50           | 25.83              | 0.383 | 25.82                 | 0.382 | 25.73               | 0.374 |
| 20              | QPSK       | 100        | 0            | 25.77              | 0.378 | 25.77                 | 0.378 | 25.68               | 0.370 |
| 20              | 16QAM      | 1          | 0            | 25.95              | 0.394 | 25.94                 | 0.393 | 25.77               | 0.378 |
| 20              | 16QAM      | 1          | 49           | 25.77              | 0.378 | 25.90                 | 0.389 | 25.68               | 0.370 |
| 20              | 16QAM      | 1          | 99           | 25.78              | 0.378 | 25.87                 | 0.386 | 25.65               | 0.367 |
| 20              | 16QAM      | 50         | 0            | 24.86              | 0.306 | 24.83                 | 0.304 | 24.93               | 0.311 |
| 20              | 16QAM      | 50         | 24           | 24.93              | 0.311 | 24.77                 | 0.300 | 24.79               | 0.301 |
| 20              | 16QAM      | 50         | 50           | 24.63              | 0.290 | 24.73                 | 0.297 | 24.61               | 0.289 |
| 20              | 16QAM      | 100        | 0            | 24.90              | 0.309 | 24.84                 | 0.305 | 24.85               | 0.305 |
| 20              | 64QAM      | 1          | 0            | 25.02              | 0.318 | 24.96                 | 0.313 | 24.82               | 0.303 |
| 20              | 64QAM      | 1          | 49           | 25.03              | 0.318 | 24.98                 | 0.315 | 24.96               | 0.313 |
| 20              | 64QAM      | 1          | 99           | 24.93              | 0.311 | 24.83                 | 0.304 | 25.08               | 0.322 |
| 20              | 64QAM      | 50         | 0            | 23.95              | 0.248 | 23.92                 | 0.247 | 23.83               | 0.242 |
| 20              | 64QAM      | 50         | 24           | 23.81              | 0.240 | 23.91                 | 0.246 | 23.99               | 0.251 |
| 20              | 64QAM      | 50         | 50           | 23.83              | 0.242 | 23.64                 | 0.231 | 23.96               | 0.249 |
| 20              | 64QAM      | 100        | 0            | 23.91              | 0.246 | 23.84                 | 0.242 | 23.61               | 0.230 |



| LTE Band 4      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20025              |       | 20175                 |       | 20325               |       |
| Frequency (MHz) |            |            |              | 1717.5             |       | 1732.5                |       | 1747.5              |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 15              | QPSK       | 1          | 0            | 26.85              | 0.484 | 26.82                 | 0.481 | 26.79               | 0.478 |
| 15              | QPSK       | 1          | 37           | 26.79              | 0.478 | 26.67                 | 0.465 | 26.77               | 0.475 |
| 15              | QPSK       | 1          | 74           | 26.70              | 0.468 | 26.79                 | 0.478 | 26.69               | 0.467 |
| 15              | QPSK       | 36         | 0            | 25.97              | 0.395 | 25.87                 | 0.386 | 25.80               | 0.380 |
| 15              | QPSK       | 36         | 20           | 25.95              | 0.394 | 25.81                 | 0.381 | 25.84               | 0.384 |
| 15              | QPSK       | 36         | 39           | 25.81              | 0.381 | 25.70                 | 0.372 | 25.73               | 0.374 |
| 15              | QPSK       | 75         | 0            | 25.90              | 0.389 | 25.67                 | 0.369 | 25.78               | 0.378 |
| 15              | 16QAM      | 1          | 0            | 25.92              | 0.391 | 25.95                 | 0.394 | 25.82               | 0.382 |
| 15              | 16QAM      | 1          | 37           | 25.85              | 0.385 | 25.92                 | 0.391 | 25.70               | 0.372 |
| 15              | 16QAM      | 1          | 74           | 25.78              | 0.378 | 25.80                 | 0.380 | 25.77               | 0.378 |
| 15              | 16QAM      | 36         | 0            | 24.85              | 0.305 | 24.84                 | 0.305 | 24.88               | 0.308 |
| 15              | 16QAM      | 36         | 20           | 24.75              | 0.299 | 24.81                 | 0.303 | 24.77               | 0.300 |
| 15              | 16QAM      | 36         | 39           | 24.71              | 0.296 | 24.72                 | 0.296 | 24.60               | 0.288 |
| 15              | 16QAM      | 75         | 0            | 24.80              | 0.302 | 24.62                 | 0.290 | 24.78               | 0.301 |
| 15              | 64QAM      | 1          | 0            | 24.97              | 0.314 | 24.92                 | 0.310 | 24.88               | 0.308 |
| 15              | 64QAM      | 1          | 37           | 24.90              | 0.309 | 24.88                 | 0.308 | 24.80               | 0.302 |
| 15              | 64QAM      | 1          | 74           | 24.91              | 0.310 | 24.72                 | 0.296 | 24.83               | 0.304 |
| 15              | 64QAM      | 36         | 0            | 23.87              | 0.244 | 23.79                 | 0.239 | 23.71               | 0.235 |
| 15              | 64QAM      | 36         | 20           | 23.78              | 0.239 | 23.91                 | 0.246 | 23.96               | 0.249 |
| 15              | 64QAM      | 36         | 39           | 23.96              | 0.249 | 23.82                 | 0.241 | 23.70               | 0.234 |
| 15              | 64QAM      | 75         | 0            | 23.89              | 0.245 | 23.88                 | 0.244 | 23.86               | 0.243 |



| LTE Band 4      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20000              |       | 20175                 |       | 20350               |       |
| Frequency (MHz) |            |            |              | 1715               |       | 1732.5                |       | 1750                |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1          | 0            | 26.86              | 0.485 | 26.84                 | 0.483 | 26.81               | 0.480 |
| 10              | QPSK       | 1          | 25           | 26.84              | 0.483 | 26.78                 | 0.476 | 26.67               | 0.465 |
| 10              | QPSK       | 1          | 49           | 26.68              | 0.466 | 26.61                 | 0.458 | 26.82               | 0.481 |
| 10              | QPSK       | 25         | 0            | 25.92              | 0.391 | 25.83                 | 0.383 | 25.91               | 0.390 |
| 10              | QPSK       | 25         | 12           | 25.86              | 0.385 | 25.84                 | 0.384 | 25.86               | 0.385 |
| 10              | QPSK       | 25         | 25           | 25.70              | 0.372 | 25.86                 | 0.385 | 25.67               | 0.369 |
| 10              | QPSK       | 50         | 0            | 25.91              | 0.390 | 25.83                 | 0.383 | 25.85               | 0.385 |
| 10              | 16QAM      | 1          | 0            | 25.99              | 0.397 | 26.02                 | 0.400 | 25.90               | 0.389 |
| 10              | 16QAM      | 1          | 25           | 25.93              | 0.392 | 25.89                 | 0.388 | 25.90               | 0.389 |
| 10              | 16QAM      | 1          | 49           | 25.99              | 0.397 | 25.84                 | 0.384 | 25.92               | 0.391 |
| 10              | 16QAM      | 25         | 0            | 24.72              | 0.296 | 24.91                 | 0.310 | 24.70               | 0.295 |
| 10              | 16QAM      | 25         | 12           | 24.97              | 0.314 | 24.93                 | 0.311 | 24.92               | 0.310 |
| 10              | 16QAM      | 25         | 25           | 24.93              | 0.311 | 24.91                 | 0.310 | 24.93               | 0.311 |
| 10              | 16QAM      | 50         | 0            | 24.90              | 0.309 | 24.90                 | 0.309 | 24.74               | 0.298 |
| 10              | 64QAM      | 1          | 0            | 24.91              | 0.310 | 24.88                 | 0.308 | 24.97               | 0.314 |
| 10              | 64QAM      | 1          | 25           | 24.80              | 0.302 | 24.83                 | 0.304 | 24.97               | 0.314 |
| 10              | 64QAM      | 1          | 49           | 25.04              | 0.319 | 24.93                 | 0.311 | 24.82               | 0.303 |
| 10              | 64QAM      | 25         | 0            | 24.05              | 0.254 | 24.00                 | 0.251 | 23.86               | 0.243 |
| 10              | 64QAM      | 25         | 12           | 23.93              | 0.247 | 23.80                 | 0.240 | 23.69               | 0.234 |
| 10              | 64QAM      | 25         | 25           | 23.99              | 0.251 | 23.76                 | 0.238 | 23.70               | 0.234 |
| 10              | 64QAM      | 50         | 0            | 23.75              | 0.237 | 23.91                 | 0.246 | 23.76               | 0.238 |





| LTE Band 4      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 19975              |       | 20175                 |       | 20375               |       |
| Frequency (MHz) |            |            |              | 1712.5             |       | 1732.5                |       | 1752.5              |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1          | 0            | 26.87              | 0.486 | 26.86                 | 0.485 | 26.79               | 0.478 |
| 5               | QPSK       | 1          | 12           | 26.75              | 0.473 | 26.80                 | 0.479 | 26.79               | 0.478 |
| 5               | QPSK       | 1          | 24           | 26.75              | 0.473 | 26.78                 | 0.476 | 26.58               | 0.455 |
| 5               | QPSK       | 12         | 0            | 25.99              | 0.397 | 25.99                 | 0.397 | 25.82               | 0.382 |
| 5               | QPSK       | 12         | 7            | 25.80              | 0.380 | 25.89                 | 0.388 | 25.76               | 0.377 |
| 5               | QPSK       | 12         | 13           | 25.92              | 0.391 | 25.85                 | 0.385 | 25.59               | 0.362 |
| 5               | QPSK       | 25         | 0            | 25.72              | 0.373 | 25.94                 | 0.393 | 25.74               | 0.375 |
| 5               | 16QAM      | 1          | 0            | 25.92              | 0.391 | 25.98                 | 0.396 | 25.93               | 0.392 |
| 5               | 16QAM      | 1          | 12           | 25.86              | 0.385 | 25.99                 | 0.397 | 25.79               | 0.379 |
| 5               | 16QAM      | 1          | 24           | 25.84              | 0.384 | 25.74                 | 0.375 | 25.83               | 0.383 |
| 5               | 16QAM      | 12         | 0            | 24.98              | 0.315 | 24.93                 | 0.311 | 24.83               | 0.304 |
| 5               | 16QAM      | 12         | 7            | 24.82              | 0.303 | 24.86                 | 0.306 | 24.88               | 0.308 |
| 5               | 16QAM      | 12         | 13           | 24.74              | 0.298 | 24.91                 | 0.310 | 24.84               | 0.305 |
| 5               | 16QAM      | 25         | 0            | 24.96              | 0.313 | 24.68                 | 0.294 | 24.79               | 0.301 |
| 5               | 64QAM      | 1          | 0            | 25.02              | 0.318 | 24.98                 | 0.315 | 25.03               | 0.318 |
| 5               | 64QAM      | 1          | 12           | 24.99              | 0.316 | 24.90                 | 0.309 | 25.03               | 0.318 |
| 5               | 64QAM      | 1          | 24           | 24.91              | 0.310 | 24.92                 | 0.310 | 24.98               | 0.315 |
| 5               | 64QAM      | 12         | 0            | 23.90              | 0.245 | 24.02                 | 0.252 | 24.05               | 0.254 |
| 5               | 64QAM      | 12         | 7            | 24.01              | 0.252 | 23.67                 | 0.233 | 24.04               | 0.254 |
| 5               | 64QAM      | 12         | 13           | 23.84              | 0.242 | 23.85                 | 0.243 | 23.77               | 0.238 |
| 5               | 64QAM      | 25         | 0            | 23.87              | 0.244 | 23.93                 | 0.247 | 23.92               | 0.247 |



| LTE Band 4      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 19965              |       | 20175                 |       | 20385               |       |
| Frequency (MHz) |            |            |              | 1711.5             |       | 1732.5                |       | 1753.5              |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 3               | QPSK       | 1          | 0            | 26.85              | 0.484 | 26.83                 | 0.482 | 26.73               | 0.471 |
| 3               | QPSK       | 1          | 8            | 26.76              | 0.474 | 26.80                 | 0.479 | 26.78               | 0.476 |
| 3               | QPSK       | 1          | 14           | 26.72              | 0.470 | 26.71                 | 0.469 | 26.74               | 0.472 |
| 3               | QPSK       | 8          | 0            | 25.83              | 0.383 | 25.88                 | 0.387 | 25.71               | 0.372 |
| 3               | QPSK       | 8          | 4            | 25.87              | 0.386 | 25.86                 | 0.385 | 25.87               | 0.386 |
| 3               | QPSK       | 8          | 7            | 25.91              | 0.390 | 25.64                 | 0.366 | 25.74               | 0.375 |
| 3               | QPSK       | 15         | 0            | 25.83              | 0.383 | 25.83                 | 0.383 | 25.71               | 0.372 |
| 3               | 16QAM      | 1          | 0            | 25.99              | 0.397 | 25.97                 | 0.395 | 25.96               | 0.394 |
| 3               | 16QAM      | 1          | 8            | 25.94              | 0.393 | 25.82                 | 0.382 | 25.92               | 0.391 |
| 3               | 16QAM      | 1          | 14           | 25.93              | 0.392 | 25.98                 | 0.396 | 25.67               | 0.369 |
| 3               | 16QAM      | 8          | 0            | 24.99              | 0.316 | 24.91                 | 0.310 | 24.84               | 0.305 |
| 3               | 16QAM      | 8          | 4            | 24.90              | 0.309 | 24.77                 | 0.300 | 24.88               | 0.308 |
| 3               | 16QAM      | 8          | 7            | 24.76              | 0.299 | 24.68                 | 0.294 | 24.80               | 0.302 |
| 3               | 16QAM      | 15         | 0            | 24.77              | 0.300 | 24.72                 | 0.296 | 24.78               | 0.301 |
| 3               | 64QAM      | 1          | 0            | 25.01              | 0.317 | 24.99                 | 0.316 | 24.82               | 0.303 |
| 3               | 64QAM      | 1          | 8            | 24.93              | 0.311 | 24.81                 | 0.303 | 24.87               | 0.307 |
| 3               | 64QAM      | 1          | 14           | 24.89              | 0.308 | 24.79                 | 0.301 | 24.93               | 0.311 |
| 3               | 64QAM      | 8          | 0            | 23.96              | 0.249 | 24.00                 | 0.251 | 23.64               | 0.231 |
| 3               | 64QAM      | 8          | 4            | 23.92              | 0.247 | 23.86                 | 0.243 | 23.83               | 0.242 |
| 3               | 64QAM      | 8          | 7            | 23.59              | 0.229 | 23.62                 | 0.230 | 23.63               | 0.231 |
| 3               | 64QAM      | 15         | 0            | 23.93              | 0.247 | 23.90                 | 0.245 | 23.90               | 0.245 |



| LTE Band 4      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 19957              |       | 20175                 |       | 20393               |       |
| Frequency (MHz) |            |            |              | 1710.7             |       | 1732.5                |       | 1754.3              |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 1.4             | QPSK       | 1          | 0            | 26.84              | 0.483 | 26.82                 | 0.481 | 26.83               | 0.482 |
| 1.4             | QPSK       | 1          | 3            | 26.78              | 0.476 | 26.73                 | 0.471 | 26.75               | 0.473 |
| 1.4             | QPSK       | 1          | 5            | 26.79              | 0.478 | 26.81                 | 0.480 | 26.72               | 0.470 |
| 1.4             | QPSK       | 3          | 0            | 25.97              | 0.395 | 25.86                 | 0.385 | 25.95               | 0.394 |
| 1.4             | QPSK       | 3          | 1            | 25.92              | 0.391 | 25.70                 | 0.372 | 25.83               | 0.383 |
| 1.4             | QPSK       | 3          | 3            | 25.88              | 0.387 | 25.84                 | 0.384 | 25.73               | 0.374 |
| 1.4             | QPSK       | 6          | 0            | 25.89              | 0.388 | 25.94                 | 0.393 | 25.82               | 0.382 |
| 1.4             | 16QAM      | 1          | 0            | 25.96              | 0.394 | 25.91                 | 0.390 | 25.80               | 0.380 |
| 1.4             | 16QAM      | 1          | 3            | 25.92              | 0.391 | 25.89                 | 0.388 | 25.93               | 0.392 |
| 1.4             | 16QAM      | 1          | 5            | 25.89              | 0.388 | 25.78                 | 0.378 | 25.79               | 0.379 |
| 1.4             | 16QAM      | 3          | 0            | 24.78              | 0.301 | 24.97                 | 0.314 | 24.76               | 0.299 |
| 1.4             | 16QAM      | 3          | 1            | 25.01              | 0.317 | 24.96                 | 0.313 | 24.85               | 0.305 |
| 1.4             | 16QAM      | 3          | 3            | 24.99              | 0.316 | 24.74                 | 0.298 | 24.83               | 0.304 |
| 1.4             | 16QAM      | 6          | 0            | 24.69              | 0.294 | 24.93                 | 0.311 | 25.01               | 0.317 |
| 1.4             | 64QAM      | 1          | 0            | 24.87              | 0.307 | 24.94                 | 0.312 | 24.80               | 0.302 |
| 1.4             | 64QAM      | 1          | 3            | 24.89              | 0.308 | 25.01                 | 0.317 | 24.82               | 0.303 |
| 1.4             | 64QAM      | 1          | 5            | 25.03              | 0.318 | 25.00                 | 0.316 | 25.04               | 0.319 |
| 1.4             | 64QAM      | 3          | 0            | 23.83              | 0.242 | 23.81                 | 0.240 | 23.86               | 0.243 |
| 1.4             | 64QAM      | 3          | 1            | 23.98              | 0.250 | 23.63                 | 0.231 | 23.79               | 0.239 |
| 1.4             | 64QAM      | 3          | 3            | 23.90              | 0.245 | 23.92                 | 0.247 | 23.87               | 0.244 |
| 1.4             | 64QAM      | 6          | 0            | 23.91              | 0.246 | 23.89                 | 0.245 | 24.04               | 0.254 |



| LTE Band 5      |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 20450              |       | 20525                 |       | 20600               |       |
| Frequency (MHz) |            |         |              | 829                |       | 836.5                 |       | 844                 |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1       | 0            | 23.14              | 0.206 | 23.20                 | 0.209 | 23.24               | 0.211 |
| 10              | QPSK       | 1       | 25           | 23.13              | 0.206 | 23.05                 | 0.202 | 23.18               | 0.208 |
| 10              | QPSK       | 1       | 49           | 22.96              | 0.198 | 23.18                 | 0.208 | 23.21               | 0.209 |
| 10              | QPSK       | 25      | 0            | 22.07              | 0.161 | 22.23                 | 0.167 | 22.39               | 0.173 |
| 10              | QPSK       | 25      | 12           | 22.20              | 0.166 | 22.33                 | 0.171 | 22.15               | 0.164 |
| 10              | QPSK       | 25      | 25           | 22.04              | 0.160 | 22.30                 | 0.170 | 22.11               | 0.163 |
| 10              | QPSK       | 50      | 0            | 22.16              | 0.164 | 22.19                 | 0.166 | 22.25               | 0.168 |
| 10              | 16QAM      | 1       | 0            | 22.21              | 0.166 | 22.37                 | 0.173 | 22.41               | 0.174 |
| 10              | 16QAM      | 1       | 25           | 22.29              | 0.169 | 22.35                 | 0.172 | 22.19               | 0.166 |
| 10              | 16QAM      | 1       | 49           | 22.01              | 0.159 | 22.11                 | 0.163 | 22.38               | 0.173 |
| 10              | 16QAM      | 25      | 0            | 21.08              | 0.128 | 21.11                 | 0.129 | 21.22               | 0.132 |
| 10              | 16QAM      | 25      | 12           | 21.11              | 0.129 | 21.03                 | 0.127 | 21.16               | 0.131 |
| 10              | 16QAM      | 25      | 25           | 20.98              | 0.125 | 21.13                 | 0.130 | 21.08               | 0.128 |
| 10              | 16QAM      | 50      | 0            | 21.02              | 0.126 | 21.29                 | 0.135 | 21.17               | 0.131 |
| 10              | 64QAM      | 1       | 0            | 21.27              | 0.134 | 21.36                 | 0.137 | 21.30               | 0.135 |
| 10              | 64QAM      | 1       | 25           | 21.09              | 0.129 | 21.19                 | 0.132 | 21.14               | 0.130 |
| 10              | 64QAM      | 1       | 49           | 21.08              | 0.128 | 21.23                 | 0.133 | 21.21               | 0.132 |
| 10              | 64QAM      | 25      | 0            | 20.07              | 0.102 | 20.37                 | 0.109 | 20.34               | 0.108 |
| 10              | 64QAM      | 25      | 12           | 20.22              | 0.105 | 20.16                 | 0.104 | 20.20               | 0.105 |
| 10              | 64QAM      | 25      | 25           | 20.12              | 0.103 | 20.20                 | 0.105 | 20.23               | 0.105 |
| 10              | 64QAM      | 50      | 0            | 20.19              | 0.104 | 20.28                 | 0.107 | 20.21               | 0.105 |



| LTE Band 5      |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 20425              |       | 20525                 |       | 20625               |       |
| Frequency (MHz) |            |         |              | 826.5              |       | 836.5                 |       | 846.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1       | 0            | 23.11              | 0.205 | 23.16                 | 0.207 | 23.21               | 0.209 |
| 5               | QPSK       | 1       | 12           | 23.09              | 0.204 | 23.13                 | 0.206 | 23.07               | 0.203 |
| 5               | QPSK       | 1       | 24           | 23.07              | 0.203 | 23.11                 | 0.205 | 23.18               | 0.208 |
| 5               | QPSK       | 12      | 0            | 22.22              | 0.167 | 22.36                 | 0.172 | 22.24               | 0.167 |
| 5               | QPSK       | 12      | 7            | 22.29              | 0.169 | 22.16                 | 0.164 | 22.17               | 0.165 |
| 5               | QPSK       | 12      | 13           | 22.13              | 0.163 | 22.19                 | 0.166 | 22.08               | 0.161 |
| 5               | QPSK       | 25      | 0            | 21.98              | 0.158 | 22.26                 | 0.168 | 22.05               | 0.160 |
| 5               | 16QAM      | 1       | 0            | 22.28              | 0.169 | 22.39                 | 0.173 | 22.40               | 0.174 |
| 5               | 16QAM      | 1       | 12           | 22.27              | 0.169 | 22.22                 | 0.167 | 22.13               | 0.163 |
| 5               | 16QAM      | 1       | 24           | 22.13              | 0.163 | 22.24                 | 0.167 | 22.12               | 0.163 |
| 5               | 16QAM      | 12      | 0            | 21.13              | 0.130 | 21.32                 | 0.136 | 21.25               | 0.133 |
| 5               | 16QAM      | 12      | 7            | 21.17              | 0.131 | 21.20                 | 0.132 | 21.19               | 0.132 |
| 5               | 16QAM      | 12      | 13           | 21.17              | 0.131 | 21.14                 | 0.130 | 21.24               | 0.133 |
| 5               | 16QAM      | 25      | 0            | 21.17              | 0.131 | 21.06                 | 0.128 | 21.20               | 0.132 |
| 5               | 64QAM      | 1       | 0            | 21.16              | 0.131 | 21.19                 | 0.132 | 21.27               | 0.134 |
| 5               | 64QAM      | 1       | 12           | 21.23              | 0.133 | 21.17                 | 0.131 | 21.07               | 0.128 |
| 5               | 64QAM      | 1       | 24           | 21.21              | 0.132 | 21.28                 | 0.134 | 21.24               | 0.133 |
| 5               | 64QAM      | 12      | 0            | 20.15              | 0.104 | 20.26                 | 0.106 | 20.23               | 0.105 |
| 5               | 64QAM      | 12      | 7            | 20.14              | 0.103 | 20.03                 | 0.101 | 20.20               | 0.105 |
| 5               | 64QAM      | 12      | 13           | 19.97              | 0.099 | 20.13                 | 0.103 | 19.98               | 0.100 |
| 5               | 64QAM      | 25      | 0            | 20.12              | 0.103 | 20.24                 | 0.106 | 20.19               | 0.104 |



| LTE Band 5      |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 20415              |       | 20525                 |       | 20635               |       |
| Frequency (MHz) |            |         |              | 825.5              |       | 836.5                 |       | 847.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 3               | QPSK       | 1       | 0            | 23.10              | 0.204 | 23.22                 | 0.210 | 23.20               | 0.209 |
| 3               | QPSK       | 1       | 8            | 22.98              | 0.199 | 23.04                 | 0.201 | 23.06               | 0.202 |
| 3               | QPSK       | 1       | 14           | 23.06              | 0.202 | 23.11                 | 0.205 | 23.12               | 0.205 |
| 3               | QPSK       | 8       | 0            | 22.15              | 0.164 | 22.12                 | 0.163 | 22.32               | 0.171 |
| 3               | QPSK       | 8       | 4            | 22.15              | 0.164 | 22.40                 | 0.174 | 22.17               | 0.165 |
| 3               | QPSK       | 8       | 7            | 21.99              | 0.158 | 22.07                 | 0.161 | 22.19               | 0.166 |
| 3               | QPSK       | 15      | 0            | 22.20              | 0.166 | 22.23                 | 0.167 | 22.25               | 0.168 |
| 3               | 16QAM      | 1       | 0            | 22.26              | 0.168 | 22.38                 | 0.173 | 22.24               | 0.167 |
| 3               | 16QAM      | 1       | 8            | 22.10              | 0.162 | 22.34                 | 0.171 | 22.19               | 0.166 |
| 3               | 16QAM      | 1       | 14           | 22.15              | 0.164 | 22.19                 | 0.166 | 22.37               | 0.173 |
| 3               | 16QAM      | 8       | 0            | 21.20              | 0.132 | 21.36                 | 0.137 | 21.36               | 0.137 |
| 3               | 16QAM      | 8       | 4            | 21.00              | 0.126 | 21.34                 | 0.136 | 21.28               | 0.134 |
| 3               | 16QAM      | 8       | 7            | 21.15              | 0.130 | 21.15                 | 0.130 | 21.26               | 0.134 |
| 3               | 16QAM      | 15      | 0            | 21.14              | 0.130 | 21.28                 | 0.134 | 21.17               | 0.131 |
| 3               | 64QAM      | 1       | 0            | 21.30              | 0.135 | 21.33                 | 0.136 | 21.41               | 0.138 |
| 3               | 64QAM      | 1       | 8            | 21.10              | 0.129 | 21.11                 | 0.129 | 21.12               | 0.129 |
| 3               | 64QAM      | 1       | 14           | 21.15              | 0.130 | 21.14                 | 0.130 | 21.31               | 0.135 |
| 3               | 64QAM      | 8       | 0            | 20.25              | 0.106 | 20.34                 | 0.108 | 20.26               | 0.106 |
| 3               | 64QAM      | 8       | 4            | 20.14              | 0.103 | 20.18                 | 0.104 | 20.15               | 0.104 |
| 3               | 64QAM      | 8       | 7            | 20.12              | 0.103 | 20.11                 | 0.103 | 20.10               | 0.102 |
| 3               | 64QAM      | 15      | 0            | 20.08              | 0.102 | 20.06                 | 0.101 | 20.03               | 0.101 |



| LTE Band 5      |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 20407              |       | 20525                 |       | 20643               |       |
| Frequency (MHz) |            |         |              | 824.7              |       | 836.5                 |       | 848.3               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 1.4             | QPSK       | 1       | 0            | 23.17              | 0.207 | 23.19                 | 0.208 | 23.22               | 0.210 |
| 1.4             | QPSK       | 1       | 3            | 23.13              | 0.206 | 23.11                 | 0.205 | 23.20               | 0.209 |
| 1.4             | QPSK       | 1       | 5            | 22.97              | 0.198 | 23.01                 | 0.200 | 23.07               | 0.203 |
| 1.4             | QPSK       | 3       | 0            | 22.15              | 0.164 | 22.23                 | 0.167 | 22.14               | 0.164 |
| 1.4             | QPSK       | 3       | 1            | 22.17              | 0.165 | 22.08                 | 0.161 | 22.13               | 0.163 |
| 1.4             | QPSK       | 3       | 3            | 22.13              | 0.163 | 22.07                 | 0.161 | 22.20               | 0.166 |
| 1.4             | QPSK       | 6       | 0            | 21.93              | 0.156 | 22.07                 | 0.161 | 22.05               | 0.160 |
| 1.4             | 16QAM      | 1       | 0            | 22.14              | 0.164 | 22.41                 | 0.174 | 22.33               | 0.171 |
| 1.4             | 16QAM      | 1       | 3            | 22.21              | 0.166 | 22.19                 | 0.166 | 22.21               | 0.166 |
| 1.4             | 16QAM      | 1       | 5            | 22.19              | 0.166 | 22.19                 | 0.166 | 22.33               | 0.171 |
| 1.4             | 16QAM      | 3       | 0            | 21.05              | 0.127 | 21.32                 | 0.136 | 21.08               | 0.128 |
| 1.4             | 16QAM      | 3       | 1            | 21.25              | 0.133 | 21.26                 | 0.134 | 21.34               | 0.136 |
| 1.4             | 16QAM      | 3       | 3            | 21.11              | 0.129 | 21.16                 | 0.131 | 21.18               | 0.131 |
| 1.4             | 16QAM      | 6       | 0            | 21.07              | 0.128 | 21.10                 | 0.129 | 21.30               | 0.135 |
| 1.4             | 64QAM      | 1       | 0            | 21.33              | 0.136 | 21.31                 | 0.135 | 21.20               | 0.132 |
| 1.4             | 64QAM      | 1       | 3            | 21.10              | 0.129 | 21.25                 | 0.133 | 21.25               | 0.133 |
| 1.4             | 64QAM      | 1       | 5            | 21.14              | 0.130 | 21.32                 | 0.136 | 21.13               | 0.130 |
| 1.4             | 64QAM      | 3       | 0            | 20.06              | 0.101 | 20.19                 | 0.104 | 20.20               | 0.105 |
| 1.4             | 64QAM      | 3       | 1            | 20.12              | 0.103 | 20.21                 | 0.105 | 20.06               | 0.101 |
| 1.4             | 64QAM      | 3       | 3            | 20.10              | 0.102 | 20.18                 | 0.104 | 20.23               | 0.105 |
| 1.4             | 64QAM      | 6       | 0            | 20.21              | 0.105 | 20.31                 | 0.107 | 20.26               | 0.106 |



| LTE Band 7      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20850              |       | 21100                 |       | 21350               |       |
| Frequency (MHz) |            |            |              | 2510               |       | 2535                  |       | 2560                |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 20              | QPSK       | 1          | 0            | 26.84              | 0.483 | 26.90                 | 0.490 | 26.82               | 0.481 |
| 20              | QPSK       | 1          | 49           | 26.86              | 0.485 | 26.79                 | 0.478 | 26.74               | 0.472 |
| 20              | QPSK       | 1          | 99           | 26.74              | 0.472 | 26.79                 | 0.478 | 26.82               | 0.481 |
| 20              | QPSK       | 50         | 0            | 25.79              | 0.379 | 26.01                 | 0.399 | 25.91               | 0.390 |
| 20              | QPSK       | 50         | 24           | 25.73              | 0.374 | 25.89                 | 0.388 | 25.92               | 0.391 |
| 20              | QPSK       | 50         | 50           | 25.73              | 0.374 | 25.85                 | 0.385 | 25.75               | 0.376 |
| 20              | QPSK       | 100        | 0            | 25.70              | 0.372 | 25.92                 | 0.391 | 25.95               | 0.394 |
| 20              | 16QAM      | 1          | 0            | 25.81              | 0.381 | 25.95                 | 0.394 | 25.86               | 0.385 |
| 20              | 16QAM      | 1          | 49           | 25.76              | 0.377 | 25.84                 | 0.384 | 25.92               | 0.391 |
| 20              | 16QAM      | 1          | 99           | 25.82              | 0.382 | 25.89                 | 0.388 | 25.85               | 0.385 |
| 20              | 16QAM      | 50         | 0            | 24.83              | 0.304 | 24.93                 | 0.311 | 24.90               | 0.309 |
| 20              | 16QAM      | 50         | 24           | 24.87              | 0.307 | 24.88                 | 0.308 | 24.88               | 0.308 |
| 20              | 16QAM      | 50         | 50           | 24.64              | 0.291 | 24.57                 | 0.286 | 24.85               | 0.305 |
| 20              | 16QAM      | 100        | 0            | 24.70              | 0.295 | 24.65                 | 0.292 | 24.76               | 0.299 |
| 20              | 64QAM      | 1          | 0            | 24.78              | 0.301 | 24.96                 | 0.313 | 24.87               | 0.307 |
| 20              | 64QAM      | 1          | 49           | 24.80              | 0.302 | 24.76                 | 0.299 | 24.84               | 0.305 |
| 20              | 64QAM      | 1          | 99           | 24.66              | 0.292 | 24.74                 | 0.298 | 24.70               | 0.295 |
| 20              | 64QAM      | 50         | 0            | 23.77              | 0.238 | 23.85                 | 0.243 | 23.77               | 0.238 |
| 20              | 64QAM      | 50         | 24           | 23.78              | 0.239 | 23.91                 | 0.246 | 23.75               | 0.237 |
| 20              | 64QAM      | 50         | 50           | 23.59              | 0.229 | 23.78                 | 0.239 | 23.78               | 0.239 |
| 20              | 64QAM      | 100        | 0            | 23.82              | 0.241 | 23.70                 | 0.234 | 23.82               | 0.241 |





| LTE Band 7      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20825              |       | 21100                 |       | 21375               |       |
| Frequency (MHz) |            |            |              | 2507.5             |       | 2535                  |       | 2562.5              |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 15              | QPSK       | 1          | 0            | 26.78              | 0.476 | 26.85                 | 0.484 | 26.81               | 0.480 |
| 15              | QPSK       | 1          | 37           | 26.80              | 0.479 | 26.76                 | 0.474 | 26.64               | 0.461 |
| 15              | QPSK       | 1          | 74           | 26.57              | 0.454 | 26.77                 | 0.475 | 26.73               | 0.471 |
| 15              | QPSK       | 36         | 0            | 25.81              | 0.381 | 25.91                 | 0.390 | 25.95               | 0.394 |
| 15              | QPSK       | 36         | 20           | 25.74              | 0.375 | 25.84                 | 0.384 | 25.85               | 0.385 |
| 15              | QPSK       | 36         | 39           | 25.63              | 0.366 | 25.68                 | 0.370 | 25.68               | 0.370 |
| 15              | QPSK       | 75         | 0            | 25.74              | 0.375 | 25.88                 | 0.387 | 25.75               | 0.376 |
| 15              | 16QAM      | 1          | 0            | 25.94              | 0.393 | 25.85                 | 0.385 | 25.82               | 0.382 |
| 15              | 16QAM      | 1          | 37           | 25.65              | 0.367 | 25.71                 | 0.372 | 25.70               | 0.372 |
| 15              | 16QAM      | 1          | 74           | 25.71              | 0.372 | 25.76                 | 0.377 | 25.69               | 0.371 |
| 15              | 16QAM      | 36         | 0            | 24.92              | 0.310 | 24.92                 | 0.310 | 24.79               | 0.301 |
| 15              | 16QAM      | 36         | 20           | 24.66              | 0.292 | 24.70                 | 0.295 | 24.75               | 0.299 |
| 15              | 16QAM      | 36         | 39           | 24.76              | 0.299 | 24.63                 | 0.290 | 24.80               | 0.302 |
| 15              | 16QAM      | 75         | 0            | 24.62              | 0.290 | 24.67                 | 0.293 | 24.65               | 0.292 |
| 15              | 64QAM      | 1          | 0            | 24.75              | 0.299 | 24.92                 | 0.310 | 24.81               | 0.303 |
| 15              | 64QAM      | 1          | 37           | 24.71              | 0.296 | 24.84                 | 0.305 | 24.76               | 0.299 |
| 15              | 64QAM      | 1          | 74           | 24.86              | 0.306 | 24.79                 | 0.301 | 24.82               | 0.303 |
| 15              | 64QAM      | 36         | 0            | 23.86              | 0.243 | 23.71                 | 0.235 | 23.68               | 0.233 |
| 15              | 64QAM      | 36         | 20           | 23.63              | 0.231 | 23.71                 | 0.235 | 23.67               | 0.233 |
| 15              | 64QAM      | 36         | 39           | 23.64              | 0.231 | 23.67                 | 0.233 | 23.65               | 0.232 |
| 15              | 64QAM      | 75         | 0            | 23.57              | 0.228 | 23.76                 | 0.238 | 23.73               | 0.236 |



| LTE Band 7      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20800              |       | 21100                 |       | 21400               |       |
| Frequency (MHz) |            |            |              | 2505               |       | 2535                  |       | 2565                |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1          | 0            | 26.76              | 0.474 | 26.83                 | 0.482 | 26.88               | 0.488 |
| 10              | QPSK       | 1          | 25           | 26.67              | 0.465 | 26.74                 | 0.472 | 26.67               | 0.465 |
| 10              | QPSK       | 1          | 49           | 26.69              | 0.467 | 26.68                 | 0.466 | 26.75               | 0.473 |
| 10              | QPSK       | 25         | 0            | 25.91              | 0.390 | 25.86                 | 0.385 | 25.76               | 0.377 |
| 10              | QPSK       | 25         | 12           | 25.58              | 0.361 | 25.78                 | 0.378 | 25.91               | 0.390 |
| 10              | QPSK       | 25         | 25           | 25.59              | 0.362 | 25.67                 | 0.369 | 25.84               | 0.384 |
| 10              | QPSK       | 50         | 0            | 25.62              | 0.365 | 25.85                 | 0.385 | 25.75               | 0.376 |
| 10              | 16QAM      | 1          | 0            | 25.88              | 0.387 | 25.93                 | 0.392 | 25.87               | 0.386 |
| 10              | 16QAM      | 1          | 25           | 25.68              | 0.370 | 25.81                 | 0.381 | 25.79               | 0.379 |
| 10              | 16QAM      | 1          | 49           | 25.79              | 0.379 | 25.77                 | 0.378 | 25.78               | 0.378 |
| 10              | 16QAM      | 25         | 0            | 24.79              | 0.301 | 24.85                 | 0.305 | 24.80               | 0.302 |
| 10              | 16QAM      | 25         | 12           | 24.70              | 0.295 | 24.85                 | 0.305 | 24.79               | 0.301 |
| 10              | 16QAM      | 25         | 25           | 24.67              | 0.293 | 24.49                 | 0.281 | 24.64               | 0.291 |
| 10              | 16QAM      | 50         | 0            | 24.70              | 0.295 | 24.91                 | 0.310 | 24.88               | 0.308 |
| 10              | 64QAM      | 1          | 0            | 24.90              | 0.309 | 24.85                 | 0.305 | 24.95               | 0.313 |
| 10              | 64QAM      | 1          | 25           | 24.65              | 0.292 | 24.85                 | 0.305 | 24.83               | 0.304 |
| 10              | 64QAM      | 1          | 49           | 24.93              | 0.311 | 24.75                 | 0.299 | 24.82               | 0.303 |
| 10              | 64QAM      | 25         | 0            | 23.80              | 0.240 | 23.90                 | 0.245 | 23.91               | 0.246 |
| 10              | 64QAM      | 25         | 12           | 23.63              | 0.231 | 23.63                 | 0.231 | 23.78               | 0.239 |
| 10              | 64QAM      | 25         | 25           | 23.63              | 0.231 | 23.83                 | 0.242 | 23.66               | 0.232 |
| 10              | 64QAM      | 50         | 0            | 23.70              | 0.234 | 23.92                 | 0.247 | 23.68               | 0.233 |



| LTE Band 7      |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 20775              |       | 21100                 |       | 21425               |       |
| Frequency (MHz) |            |            |              | 2502.5             |       | 2535                  |       | 2567.5              |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1          | 0            | 26.77              | 0.475 | 26.82                 | 0.481 | 26.79               | 0.478 |
| 5               | QPSK       | 1          | 12           | 26.70              | 0.468 | 26.68                 | 0.466 | 26.85               | 0.484 |
| 5               | QPSK       | 1          | 24           | 26.63              | 0.460 | 26.70                 | 0.468 | 26.79               | 0.478 |
| 5               | QPSK       | 12         | 0            | 25.79              | 0.379 | 25.72                 | 0.373 | 25.87               | 0.386 |
| 5               | QPSK       | 12         | 7            | 25.57              | 0.361 | 25.69                 | 0.371 | 25.82               | 0.382 |
| 5               | QPSK       | 12         | 13           | 25.74              | 0.375 | 25.68                 | 0.370 | 25.74               | 0.375 |
| 5               | QPSK       | 25         | 0            | 25.75              | 0.376 | 25.66                 | 0.368 | 25.60               | 0.363 |
| 5               | 16QAM      | 1          | 0            | 25.86              | 0.385 | 25.88                 | 0.387 | 25.85               | 0.385 |
| 5               | 16QAM      | 1          | 12           | 25.70              | 0.372 | 25.84                 | 0.384 | 25.84               | 0.384 |
| 5               | 16QAM      | 1          | 24           | 25.64              | 0.366 | 25.72                 | 0.373 | 25.79               | 0.379 |
| 5               | 16QAM      | 12         | 0            | 24.81              | 0.303 | 24.85                 | 0.305 | 24.74               | 0.298 |
| 5               | 16QAM      | 12         | 7            | 24.68              | 0.294 | 24.89                 | 0.308 | 24.79               | 0.301 |
| 5               | 16QAM      | 12         | 13           | 24.70              | 0.295 | 24.60                 | 0.288 | 24.85               | 0.305 |
| 5               | 16QAM      | 25         | 0            | 24.75              | 0.299 | 24.72                 | 0.296 | 24.75               | 0.299 |
| 5               | 64QAM      | 1          | 0            | 24.87              | 0.307 | 25.01                 | 0.317 | 24.88               | 0.308 |
| 5               | 64QAM      | 1          | 12           | 24.94              | 0.312 | 24.73                 | 0.297 | 24.86               | 0.306 |
| 5               | 64QAM      | 1          | 24           | 24.80              | 0.302 | 24.87                 | 0.307 | 24.85               | 0.305 |
| 5               | 64QAM      | 12         | 0            | 23.87              | 0.244 | 23.89                 | 0.245 | 23.79               | 0.239 |
| 5               | 64QAM      | 12         | 7            | 23.79              | 0.239 | 23.73                 | 0.236 | 23.78               | 0.239 |
| 5               | 64QAM      | 12         | 13           | 23.68              | 0.233 | 23.79                 | 0.239 | 23.68               | 0.233 |
| 5               | 64QAM      | 25         | 0            | 23.57              | 0.228 | 23.65                 | 0.232 | 23.81               | 0.240 |



| LTE Band 12     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23060              |       | 23095                 |       | 23130               |       |
| Frequency (MHz) |            |         |              | 704                |       | 707.5                 |       | 711                 |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1       | 0            | 23.22              | 0.210 | 23.18                 | 0.208 | 23.30               | 0.214 |
| 10              | QPSK       | 1       | 25           | 23.25              | 0.211 | 23.22                 | 0.210 | 23.17               | 0.207 |
| 10              | QPSK       | 1       | 49           | 23.17              | 0.207 | 23.11                 | 0.205 | 23.27               | 0.212 |
| 10              | QPSK       | 25      | 0            | 22.39              | 0.173 | 22.36                 | 0.172 | 22.45               | 0.176 |
| 10              | QPSK       | 25      | 12           | 22.24              | 0.167 | 22.31                 | 0.170 | 22.20               | 0.166 |
| 10              | QPSK       | 25      | 25           | 22.16              | 0.164 | 22.29                 | 0.169 | 22.15               | 0.164 |
| 10              | QPSK       | 50      | 0            | 22.31              | 0.170 | 22.24                 | 0.167 | 22.22               | 0.167 |
| 10              | 16QAM      | 1       | 0            | 22.26              | 0.168 | 22.46                 | 0.176 | 22.50               | 0.178 |
| 10              | 16QAM      | 1       | 25           | 22.33              | 0.171 | 22.28                 | 0.169 | 22.41               | 0.174 |
| 10              | 16QAM      | 1       | 49           | 22.36              | 0.172 | 22.38                 | 0.173 | 22.28               | 0.169 |
| 10              | 16QAM      | 25      | 0            | 21.36              | 0.137 | 21.20                 | 0.132 | 21.40               | 0.138 |
| 10              | 16QAM      | 25      | 12           | 21.12              | 0.129 | 21.41                 | 0.138 | 21.17               | 0.131 |
| 10              | 16QAM      | 25      | 25           | 21.18              | 0.131 | 21.10                 | 0.129 | 21.31               | 0.135 |
| 10              | 16QAM      | 50      | 0            | 21.27              | 0.134 | 21.37                 | 0.137 | 21.26               | 0.134 |
| 10              | 64QAM      | 1       | 0            | 21.30              | 0.135 | 21.40                 | 0.138 | 21.44               | 0.139 |
| 10              | 64QAM      | 1       | 25           | 21.29              | 0.135 | 21.35                 | 0.136 | 21.27               | 0.134 |
| 10              | 64QAM      | 1       | 49           | 21.19              | 0.132 | 21.36                 | 0.137 | 21.33               | 0.136 |
| 10              | 64QAM      | 25      | 0            | 20.34              | 0.108 | 20.27                 | 0.106 | 20.31               | 0.107 |
| 10              | 64QAM      | 25      | 12           | 20.29              | 0.107 | 20.36                 | 0.109 | 20.39               | 0.109 |
| 10              | 64QAM      | 25      | 25           | 20.22              | 0.105 | 20.34                 | 0.108 | 20.27               | 0.106 |
| 10              | 64QAM      | 50      | 0            | 20.15              | 0.104 | 20.27                 | 0.106 | 20.15               | 0.104 |



| LTE Band 12     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23035              |       | 23095                 |       | 23155               |       |
| Frequency (MHz) |            |         |              | 701.5              |       | 707.5                 |       | 713.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1       | 0            | 23.18              | 0.208 | 23.17                 | 0.207 | 23.27               | 0.212 |
| 5               | QPSK       | 1       | 12           | 23.24              | 0.211 | 23.20                 | 0.209 | 23.24               | 0.211 |
| 5               | QPSK       | 1       | 24           | 23.24              | 0.211 | 23.22                 | 0.210 | 23.19               | 0.208 |
| 5               | QPSK       | 12      | 0            | 22.17              | 0.165 | 22.20                 | 0.166 | 22.31               | 0.170 |
| 5               | QPSK       | 12      | 7            | 22.15              | 0.164 | 22.26                 | 0.168 | 22.19               | 0.166 |
| 5               | QPSK       | 12      | 13           | 22.08              | 0.161 | 22.27                 | 0.169 | 22.23               | 0.167 |
| 5               | QPSK       | 25      | 0            | 22.19              | 0.166 | 22.12                 | 0.163 | 22.17               | 0.165 |
| 5               | 16QAM      | 1       | 0            | 22.40              | 0.174 | 22.40                 | 0.174 | 22.35               | 0.172 |
| 5               | 16QAM      | 1       | 12           | 22.33              | 0.171 | 22.26                 | 0.168 | 22.37               | 0.173 |
| 5               | 16QAM      | 1       | 24           | 22.29              | 0.169 | 22.37                 | 0.173 | 22.23               | 0.167 |
| 5               | 16QAM      | 12      | 0            | 21.20              | 0.132 | 21.18                 | 0.131 | 21.23               | 0.133 |
| 5               | 16QAM      | 12      | 7            | 21.02              | 0.126 | 21.21                 | 0.132 | 21.33               | 0.136 |
| 5               | 16QAM      | 12      | 13           | 21.19              | 0.132 | 21.12                 | 0.129 | 21.31               | 0.135 |
| 5               | 16QAM      | 25      | 0            | 21.04              | 0.127 | 21.29                 | 0.135 | 21.10               | 0.129 |
| 5               | 64QAM      | 1       | 0            | 21.29              | 0.135 | 21.31                 | 0.135 | 21.37               | 0.137 |
| 5               | 64QAM      | 1       | 12           | 21.27              | 0.134 | 21.23                 | 0.133 | 21.22               | 0.132 |
| 5               | 64QAM      | 1       | 24           | 21.28              | 0.134 | 21.22                 | 0.132 | 21.21               | 0.132 |
| 5               | 64QAM      | 12      | 0            | 20.15              | 0.104 | 20.16                 | 0.104 | 20.42               | 0.110 |
| 5               | 64QAM      | 12      | 7            | 20.10              | 0.102 | 20.24                 | 0.106 | 20.34               | 0.108 |
| 5               | 64QAM      | 12      | 13           | 20.12              | 0.103 | 20.09                 | 0.102 | 20.10               | 0.102 |
| 5               | 64QAM      | 25      | 0            | 20.11              | 0.103 | 20.30                 | 0.107 | 20.27               | 0.106 |



| LTE Band 12     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23025              |       | 23095                 |       | 23165               |       |
| Frequency (MHz) |            |         |              | 700.5              |       | 707.5                 |       | 714.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 3               | QPSK       | 1       | 0            | 23.21              | 0.209 | 23.25                 | 0.211 | 23.25               | 0.211 |
| 3               | QPSK       | 1       | 8            | 23.20              | 0.209 | 23.10                 | 0.204 | 23.23               | 0.210 |
| 3               | QPSK       | 1       | 14           | 23.10              | 0.204 | 23.17                 | 0.207 | 23.07               | 0.203 |
| 3               | QPSK       | 8       | 0            | 22.21              | 0.166 | 22.25                 | 0.168 | 22.19               | 0.166 |
| 3               | QPSK       | 8       | 4            | 22.15              | 0.164 | 22.28                 | 0.169 | 22.22               | 0.167 |
| 3               | QPSK       | 8       | 7            | 22.24              | 0.167 | 22.25                 | 0.168 | 22.15               | 0.164 |
| 3               | QPSK       | 15      | 0            | 22.08              | 0.161 | 22.21                 | 0.166 | 22.23               | 0.167 |
| 3               | 16QAM      | 1       | 0            | 22.29              | 0.169 | 22.34                 | 0.171 | 22.40               | 0.174 |
| 3               | 16QAM      | 1       | 8            | 22.21              | 0.166 | 22.38                 | 0.173 | 22.41               | 0.174 |
| 3               | 16QAM      | 1       | 14           | 22.12              | 0.163 | 22.41                 | 0.174 | 22.36               | 0.172 |
| 3               | 16QAM      | 8       | 0            | 21.12              | 0.129 | 21.43                 | 0.139 | 21.17               | 0.131 |
| 3               | 16QAM      | 8       | 4            | 21.35              | 0.136 | 21.36                 | 0.137 | 21.38               | 0.137 |
| 3               | 16QAM      | 8       | 7            | 21.17              | 0.131 | 21.20                 | 0.132 | 21.25               | 0.133 |
| 3               | 16QAM      | 15      | 0            | 21.16              | 0.131 | 21.08                 | 0.128 | 21.06               | 0.128 |
| 3               | 64QAM      | 1       | 0            | 21.36              | 0.137 | 21.41                 | 0.138 | 21.29               | 0.135 |
| 3               | 64QAM      | 1       | 8            | 21.31              | 0.135 | 21.34                 | 0.136 | 21.46               | 0.140 |
| 3               | 64QAM      | 1       | 14           | 21.16              | 0.131 | 21.41                 | 0.138 | 21.42               | 0.139 |
| 3               | 64QAM      | 8       | 0            | 20.36              | 0.109 | 20.16                 | 0.104 | 20.25               | 0.106 |
| 3               | 64QAM      | 8       | 4            | 20.06              | 0.101 | 20.36                 | 0.109 | 20.39               | 0.109 |
| 3               | 64QAM      | 8       | 7            | 20.10              | 0.102 | 20.25                 | 0.106 | 20.20               | 0.105 |
| 3               | 64QAM      | 15      | 0            | 20.08              | 0.102 | 20.41                 | 0.110 | 20.24               | 0.106 |



| LTE Band 12     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23017              |       | 23095                 |       | 23173               |       |
| Frequency (MHz) |            |         |              | 699.7              |       | 707.5                 |       | 715.3               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 1.4             | QPSK       | 1       | 0            | 23.21              | 0.209 | 23.22                 | 0.210 | 23.24               | 0.211 |
| 1.4             | QPSK       | 1       | 3            | 23.12              | 0.205 | 23.22                 | 0.210 | 23.12               | 0.205 |
| 1.4             | QPSK       | 1       | 5            | 23.10              | 0.204 | 23.12                 | 0.205 | 23.23               | 0.210 |
| 1.4             | QPSK       | 3       | 0            | 22.33              | 0.171 | 22.38                 | 0.173 | 22.39               | 0.173 |
| 1.4             | QPSK       | 3       | 1            | 22.31              | 0.170 | 22.35                 | 0.172 | 22.36               | 0.172 |
| 1.4             | QPSK       | 3       | 3            | 22.28              | 0.169 | 22.18                 | 0.165 | 22.22               | 0.167 |
| 1.4             | QPSK       | 6       | 0            | 22.33              | 0.171 | 22.44                 | 0.175 | 22.22               | 0.167 |
| 1.4             | 16QAM      | 1       | 0            | 22.32              | 0.171 | 22.38                 | 0.173 | 22.47               | 0.177 |
| 1.4             | 16QAM      | 1       | 3            | 22.12              | 0.163 | 22.39                 | 0.173 | 22.42               | 0.175 |
| 1.4             | 16QAM      | 1       | 5            | 22.14              | 0.164 | 22.38                 | 0.173 | 22.45               | 0.176 |
| 1.4             | 16QAM      | 3       | 0            | 21.20              | 0.132 | 21.24                 | 0.133 | 21.25               | 0.133 |
| 1.4             | 16QAM      | 3       | 1            | 21.17              | 0.131 | 21.18                 | 0.131 | 21.34               | 0.136 |
| 1.4             | 16QAM      | 3       | 3            | 21.15              | 0.130 | 21.30                 | 0.135 | 21.32               | 0.136 |
| 1.4             | 16QAM      | 6       | 0            | 21.26              | 0.134 | 21.14                 | 0.130 | 21.07               | 0.128 |
| 1.4             | 64QAM      | 1       | 0            | 21.32              | 0.136 | 21.30                 | 0.135 | 21.42               | 0.139 |
| 1.4             | 64QAM      | 1       | 3            | 21.17              | 0.131 | 21.34                 | 0.136 | 21.33               | 0.136 |
| 1.4             | 64QAM      | 1       | 5            | 21.13              | 0.130 | 21.24                 | 0.133 | 21.18               | 0.131 |
| 1.4             | 64QAM      | 3       | 0            | 20.08              | 0.102 | 20.32                 | 0.108 | 20.23               | 0.105 |
| 1.4             | 64QAM      | 3       | 1            | 20.19              | 0.104 | 20.25                 | 0.106 | 20.18               | 0.104 |
| 1.4             | 64QAM      | 3       | 3            | 20.25              | 0.106 | 20.11                 | 0.103 | 20.29               | 0.107 |
| 1.4             | 64QAM      | 6       | 0            | 20.14              | 0.103 | 20.31                 | 0.107 | 20.36               | 0.109 |



| LTE Band 13     |            |         |              | Measured E.R.P.    |   |                       |       |                     |   |
|-----------------|------------|---------|--------------|--------------------|---|-----------------------|-------|---------------------|---|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |   | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |   |
| Channel         |            |         |              | /                  |   | 23230                 |       | /                   |   |
| Frequency (MHz) |            |         |              | /                  |   | 782                   |       | /                   |   |
|                 |            |         |              | dBm                | W | dBm                   | W     | dBm                 | W |
| 10              | QPSK       | 1       | 0            | /                  | / | 23.31                 | 0.214 | /                   | / |
| 10              | QPSK       | 1       | 25           | /                  | / | 23.15                 | 0.207 | /                   | / |
| 10              | QPSK       | 1       | 49           | /                  | / | 23.09                 | 0.204 | /                   | / |
| 10              | QPSK       | 25      | 0            | /                  | / | 22.39                 | 0.173 | /                   | / |
| 10              | QPSK       | 25      | 12           | /                  | / | 22.08                 | 0.161 | /                   | / |
| 10              | QPSK       | 25      | 25           | /                  | / | 22.06                 | 0.161 | /                   | / |
| 10              | QPSK       | 50      | 0            | /                  | / | 22.19                 | 0.166 | /                   | / |
| 10              | 16QAM      | 1       | 0            | /                  | / | 22.23                 | 0.167 | /                   | / |
| 10              | 16QAM      | 1       | 25           | /                  | / | 22.23                 | 0.167 | /                   | / |
| 10              | 16QAM      | 1       | 49           | /                  | / | 22.28                 | 0.169 | /                   | / |
| 10              | 16QAM      | 25      | 0            | /                  | / | 21.19                 | 0.132 | /                   | / |
| 10              | 16QAM      | 25      | 12           | /                  | / | 21.22                 | 0.132 | /                   | / |
| 10              | 16QAM      | 25      | 25           | /                  | / | 21.14                 | 0.130 | /                   | / |
| 10              | 16QAM      | 50      | 0            | /                  | / | 21.09                 | 0.129 | /                   | / |
| 10              | 64QAM      | 1       | 0            | /                  | / | 21.45                 | 0.140 | /                   | / |
| 10              | 64QAM      | 1       | 25           | /                  | / | 21.18                 | 0.131 | /                   | / |
| 10              | 64QAM      | 1       | 49           | /                  | / | 21.10                 | 0.129 | /                   | / |
| 10              | 64QAM      | 25      | 0            | /                  | / | 20.38                 | 0.109 | /                   | / |
| 10              | 64QAM      | 25      | 12           | /                  | / | 20.14                 | 0.103 | /                   | / |
| 10              | 64QAM      | 25      | 25           | /                  | / | 20.09                 | 0.102 | /                   | / |
| 10              | 64QAM      | 50      | 0            | /                  | / | 20.19                 | 0.104 | /                   | / |





| LTE Band 13     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23205              |       | 23230                 |       | 23255               |       |
| Frequency (MHz) |            |         |              | 779.5              |       | 782                   |       | 784.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1       | 0            | 23.26              | 0.212 | 23.27                 | 0.212 | 23.23               | 0.210 |
| 5               | QPSK       | 1       | 12           | 23.06              | 0.202 | 23.22                 | 0.210 | 23.22               | 0.210 |
| 5               | QPSK       | 1       | 24           | 23.14              | 0.206 | 23.13                 | 0.206 | 23.11               | 0.205 |
| 5               | QPSK       | 12      | 0            | 22.37              | 0.173 | 22.44                 | 0.175 | 22.36               | 0.172 |
| 5               | QPSK       | 12      | 7            | 22.17              | 0.165 | 22.18                 | 0.165 | 22.18               | 0.165 |
| 5               | QPSK       | 12      | 13           | 22.25              | 0.168 | 22.31                 | 0.170 | 22.06               | 0.161 |
| 5               | QPSK       | 25      | 0            | 22.32              | 0.171 | 22.26                 | 0.168 | 22.25               | 0.168 |
| 5               | 16QAM      | 1       | 0            | 22.40              | 0.174 | 22.41                 | 0.174 | 22.37               | 0.173 |
| 5               | 16QAM      | 1       | 12           | 22.29              | 0.169 | 22.36                 | 0.172 | 22.21               | 0.166 |
| 5               | 16QAM      | 1       | 24           | 22.31              | 0.170 | 22.37                 | 0.173 | 22.18               | 0.165 |
| 5               | 16QAM      | 12      | 0            | 21.29              | 0.135 | 21.30                 | 0.135 | 21.16               | 0.131 |
| 5               | 16QAM      | 12      | 7            | 21.23              | 0.133 | 21.16                 | 0.131 | 21.27               | 0.134 |
| 5               | 16QAM      | 12      | 13           | 21.11              | 0.129 | 21.22                 | 0.132 | 21.25               | 0.133 |
| 5               | 16QAM      | 25      | 0            | 21.02              | 0.126 | 21.23                 | 0.133 | 21.16               | 0.131 |
| 5               | 64QAM      | 1       | 0            | 21.21              | 0.132 | 21.38                 | 0.137 | 21.37               | 0.137 |
| 5               | 64QAM      | 1       | 12           | 21.43              | 0.139 | 21.28                 | 0.134 | 21.27               | 0.134 |
| 5               | 64QAM      | 1       | 24           | 21.15              | 0.130 | 21.36                 | 0.137 | 21.22               | 0.132 |
| 5               | 64QAM      | 12      | 0            | 20.13              | 0.103 | 20.23                 | 0.105 | 20.14               | 0.103 |
| 5               | 64QAM      | 12      | 7            | 20.12              | 0.103 | 20.20                 | 0.105 | 20.13               | 0.103 |
| 5               | 64QAM      | 12      | 13           | 20.16              | 0.104 | 20.11                 | 0.103 | 20.15               | 0.104 |
| 5               | 64QAM      | 25      | 0            | 20.32              | 0.108 | 20.22                 | 0.105 | 20.35               | 0.108 |



| LTE Band 17     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23780              |       | 23790                 |       | 23800               |       |
| Frequency (MHz) |            |         |              | 709                |       | 710                   |       | 711                 |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1       | 0            | 23.10              | 0.204 | 23.23                 | 0.210 | 23.20               | 0.209 |
| 10              | QPSK       | 1       | 25           | 23.16              | 0.207 | 23.15                 | 0.207 | 23.16               | 0.207 |
| 10              | QPSK       | 1       | 49           | 23.19              | 0.208 | 23.16                 | 0.207 | 23.11               | 0.205 |
| 10              | QPSK       | 25      | 0            | 22.20              | 0.166 | 22.30                 | 0.170 | 22.27               | 0.169 |
| 10              | QPSK       | 25      | 12           | 22.23              | 0.167 | 22.18                 | 0.165 | 22.08               | 0.161 |
| 10              | QPSK       | 25      | 25           | 22.11              | 0.163 | 22.24                 | 0.167 | 22.03               | 0.160 |
| 10              | QPSK       | 50      | 0            | 22.04              | 0.160 | 22.04                 | 0.160 | 22.12               | 0.163 |
| 10              | 16QAM      | 1       | 0            | 22.18              | 0.165 | 22.41                 | 0.174 | 22.31               | 0.170 |
| 10              | 16QAM      | 1       | 25           | 22.15              | 0.164 | 22.40                 | 0.174 | 22.25               | 0.168 |
| 10              | 16QAM      | 1       | 49           | 22.09              | 0.162 | 22.20                 | 0.166 | 22.17               | 0.165 |
| 10              | 16QAM      | 25      | 0            | 21.30              | 0.135 | 21.28                 | 0.134 | 21.26               | 0.134 |
| 10              | 16QAM      | 25      | 12           | 21.13              | 0.130 | 21.14                 | 0.130 | 21.25               | 0.133 |
| 10              | 16QAM      | 25      | 25           | 21.07              | 0.128 | 21.13                 | 0.130 | 21.29               | 0.135 |
| 10              | 16QAM      | 50      | 0            | 21.12              | 0.129 | 21.01                 | 0.126 | 21.08               | 0.128 |
| 10              | 64QAM      | 1       | 0            | 21.25              | 0.133 | 21.43                 | 0.139 | 21.43               | 0.139 |
| 10              | 64QAM      | 1       | 25           | 21.22              | 0.132 | 21.33                 | 0.136 | 21.14               | 0.130 |
| 10              | 64QAM      | 1       | 49           | 21.08              | 0.128 | 21.11                 | 0.129 | 21.21               | 0.132 |
| 10              | 64QAM      | 25      | 0            | 20.20              | 0.105 | 20.16                 | 0.104 | 20.13               | 0.103 |
| 10              | 64QAM      | 25      | 12           | 20.07              | 0.102 | 20.19                 | 0.104 | 20.24               | 0.106 |
| 10              | 64QAM      | 25      | 25           | 20.07              | 0.102 | 20.10                 | 0.102 | 20.16               | 0.104 |
| 10              | 64QAM      | 50      | 0            | 20.13              | 0.103 | 20.15                 | 0.104 | 20.18               | 0.104 |



| LTE Band 17     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23755              |       | 23790                 |       | 23825               |       |
| Frequency (MHz) |            |         |              | 706.5              |       | 710                   |       | 713.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1       | 0            | 23.14              | 0.206 | 23.20                 | 0.209 | 23.12               | 0.205 |
| 5               | QPSK       | 1       | 12           | 23.15              | 0.207 | 23.12                 | 0.205 | 23.06               | 0.202 |
| 5               | QPSK       | 1       | 24           | 23.01              | 0.200 | 23.11                 | 0.205 | 23.17               | 0.207 |
| 5               | QPSK       | 12      | 0            | 22.14              | 0.164 | 22.36                 | 0.172 | 22.19               | 0.166 |
| 5               | QPSK       | 12      | 7            | 22.18              | 0.165 | 22.27                 | 0.169 | 22.09               | 0.162 |
| 5               | QPSK       | 12      | 13           | 22.14              | 0.164 | 22.11                 | 0.163 | 22.12               | 0.163 |
| 5               | QPSK       | 25      | 0            | 22.15              | 0.164 | 22.27                 | 0.169 | 22.26               | 0.168 |
| 5               | 16QAM      | 1       | 0            | 22.30              | 0.170 | 22.33                 | 0.171 | 22.25               | 0.168 |
| 5               | 16QAM      | 1       | 12           | 22.09              | 0.162 | 22.34                 | 0.171 | 22.19               | 0.166 |
| 5               | 16QAM      | 1       | 24           | 22.11              | 0.163 | 22.24                 | 0.167 | 22.08               | 0.161 |
| 5               | 16QAM      | 12      | 0            | 21.19              | 0.132 | 21.30                 | 0.135 | 21.27               | 0.134 |
| 5               | 16QAM      | 12      | 7            | 21.21              | 0.132 | 21.10                 | 0.129 | 21.27               | 0.134 |
| 5               | 16QAM      | 12      | 13           | 21.05              | 0.127 | 21.16                 | 0.131 | 21.28               | 0.134 |
| 5               | 16QAM      | 25      | 0            | 21.07              | 0.128 | 21.07                 | 0.128 | 21.02               | 0.126 |
| 5               | 64QAM      | 1       | 0            | 21.31              | 0.135 | 21.44                 | 0.139 | 21.38               | 0.137 |
| 5               | 64QAM      | 1       | 12           | 21.36              | 0.137 | 21.31                 | 0.135 | 21.12               | 0.129 |
| 5               | 64QAM      | 1       | 24           | 21.10              | 0.129 | 21.13                 | 0.130 | 21.12               | 0.129 |
| 5               | 64QAM      | 12      | 0            | 20.06              | 0.101 | 20.27                 | 0.106 | 20.15               | 0.104 |
| 5               | 64QAM      | 12      | 7            | 20.17              | 0.104 | 20.24                 | 0.106 | 20.29               | 0.107 |
| 5               | 64QAM      | 12      | 13           | 20.15              | 0.104 | 20.22                 | 0.105 | 20.18               | 0.104 |
| 5               | 64QAM      | 25      | 0            | 20.14              | 0.103 | 20.10                 | 0.102 | 20.29               | 0.107 |



| LTE Band 25     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26140             |       | 26365              |       | 26590            |       |
| Frequency (MHz) |            |         |           | 1860              |       | 1882.5             |       | 1905             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 27.28             | 0.535 | 27.38              | 0.547 | 27.25            | 0.531 |
| 20              | QPSK       | 1       | 49        | 27.18             | 0.522 | 27.16              | 0.520 | 27.27            | 0.533 |
| 20              | QPSK       | 1       | 99        | 27.13             | 0.516 | 27.25              | 0.531 | 27.23            | 0.528 |
| 20              | QPSK       | 50      | 0         | 26.33             | 0.430 | 26.45              | 0.442 | 26.20            | 0.417 |
| 20              | QPSK       | 50      | 24        | 26.13             | 0.410 | 26.10              | 0.407 | 26.16            | 0.413 |
| 20              | QPSK       | 50      | 50        | 26.15             | 0.412 | 26.16              | 0.413 | 26.13            | 0.410 |
| 20              | QPSK       | 100     | 0         | 26.16             | 0.413 | 26.09              | 0.406 | 26.17            | 0.414 |
| 20              | 16QAM      | 1       | 0         | 26.25             | 0.422 | 26.34              | 0.431 | 26.39            | 0.436 |
| 20              | 16QAM      | 1       | 49        | 26.24             | 0.421 | 26.41              | 0.438 | 26.29            | 0.426 |
| 20              | 16QAM      | 1       | 99        | 26.16             | 0.413 | 26.38              | 0.435 | 26.36            | 0.433 |
| 20              | 16QAM      | 50      | 0         | 25.13             | 0.326 | 25.27              | 0.337 | 25.16            | 0.328 |
| 20              | 16QAM      | 50      | 24        | 25.11             | 0.324 | 25.09              | 0.323 | 25.40            | 0.347 |
| 20              | 16QAM      | 50      | 50        | 25.12             | 0.325 | 25.23              | 0.333 | 25.12            | 0.325 |
| 20              | 16QAM      | 100     | 0         | 25.15             | 0.327 | 25.17              | 0.329 | 25.08            | 0.322 |
| 20              | 64QAM      | 1       | 0         | 25.16             | 0.328 | 25.27              | 0.337 | 25.43            | 0.349 |
| 20              | 64QAM      | 1       | 49        | 25.14             | 0.327 | 25.39              | 0.346 | 25.20            | 0.331 |
| 20              | 64QAM      | 1       | 99        | 25.25             | 0.335 | 25.45              | 0.351 | 25.40            | 0.347 |
| 20              | 64QAM      | 50      | 0         | 24.19             | 0.262 | 24.45              | 0.279 | 24.37            | 0.274 |
| 20              | 64QAM      | 50      | 24        | 24.15             | 0.260 | 24.13              | 0.259 | 24.34            | 0.272 |
| 20              | 64QAM      | 50      | 50        | 24.09             | 0.256 | 24.22              | 0.264 | 24.25            | 0.266 |
| 20              | 64QAM      | 100     | 0         | 24.13             | 0.259 | 24.25              | 0.266 | 24.29            | 0.269 |



| LTE Band 25     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26115             |       | 26365              |       | 26615            |       |
| Frequency (MHz) |            |         |           | 1857.5            |       | 1882.5             |       | 1907.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 27.29             | 0.536 | 27.33              | 0.541 | 27.24            | 0.530 |
| 15              | QPSK       | 1       | 37        | 27.17             | 0.521 | 27.20              | 0.525 | 27.27            | 0.533 |
| 15              | QPSK       | 1       | 74        | 27.11             | 0.514 | 27.13              | 0.516 | 27.07            | 0.509 |
| 15              | QPSK       | 36      | 0         | 26.15             | 0.412 | 26.46              | 0.443 | 26.32            | 0.429 |
| 15              | QPSK       | 36      | 20        | 26.31             | 0.428 | 26.15              | 0.412 | 26.13            | 0.410 |
| 15              | QPSK       | 36      | 39        | 26.12             | 0.409 | 26.11              | 0.408 | 26.17            | 0.414 |
| 15              | QPSK       | 75      | 0         | 26.22             | 0.419 | 26.17              | 0.414 | 26.23            | 0.420 |
| 15              | 16QAM      | 1       | 0         | 26.29             | 0.426 | 26.44              | 0.441 | 26.38            | 0.435 |
| 15              | 16QAM      | 1       | 37        | 26.18             | 0.415 | 26.38              | 0.435 | 26.31            | 0.428 |
| 15              | 16QAM      | 1       | 74        | 26.14             | 0.411 | 26.17              | 0.414 | 26.17            | 0.414 |
| 15              | 16QAM      | 36      | 0         | 25.28             | 0.337 | 25.28              | 0.337 | 25.17            | 0.329 |
| 15              | 16QAM      | 36      | 20        | 25.20             | 0.331 | 25.16              | 0.328 | 25.21            | 0.332 |
| 15              | 16QAM      | 36      | 39        | 25.15             | 0.327 | 25.11              | 0.324 | 25.30            | 0.339 |
| 15              | 16QAM      | 75      | 0         | 25.27             | 0.337 | 25.34              | 0.342 | 25.16            | 0.328 |
| 15              | 64QAM      | 1       | 0         | 25.28             | 0.337 | 25.32              | 0.340 | 25.26            | 0.336 |
| 15              | 64QAM      | 1       | 37        | 25.21             | 0.332 | 25.28              | 0.337 | 25.30            | 0.339 |
| 15              | 64QAM      | 1       | 74        | 25.31             | 0.340 | 25.17              | 0.329 | 25.25            | 0.335 |
| 15              | 64QAM      | 36      | 0         | 24.03             | 0.253 | 24.26              | 0.267 | 24.23            | 0.265 |
| 15              | 64QAM      | 36      | 20        | 23.93             | 0.247 | 24.22              | 0.264 | 24.06            | 0.255 |
| 15              | 64QAM      | 36      | 39        | 23.93             | 0.247 | 24.17              | 0.261 | 24.19            | 0.262 |
| 15              | 64QAM      | 75      | 0         | 24.15             | 0.260 | 24.20              | 0.263 | 24.17            | 0.261 |



| LTE Band 25     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26090             |       | 26365              |       | 26640            |       |
| Frequency (MHz) |            |         |           | 1855              |       | 1882.5             |       | 1910             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 27.27             | 0.533 | 27.29              | 0.536 | 27.18            | 0.522 |
| 10              | QPSK       | 1       | 25        | 27.17             | 0.521 | 27.24              | 0.530 | 27.24            | 0.530 |
| 10              | QPSK       | 1       | 49        | 27.09             | 0.512 | 27.23              | 0.528 | 27.08            | 0.511 |
| 10              | QPSK       | 25      | 0         | 26.16             | 0.413 | 26.45              | 0.442 | 26.17            | 0.414 |
| 10              | QPSK       | 25      | 12        | 26.13             | 0.410 | 26.32              | 0.429 | 26.15            | 0.412 |
| 10              | QPSK       | 25      | 25        | 26.16             | 0.413 | 26.17              | 0.414 | 26.20            | 0.417 |
| 10              | QPSK       | 50      | 0         | 26.24             | 0.421 | 26.23              | 0.420 | 26.12            | 0.409 |
| 10              | 16QAM      | 1       | 0         | 26.16             | 0.413 | 26.40              | 0.437 | 26.39            | 0.436 |
| 10              | 16QAM      | 1       | 25        | 26.17             | 0.414 | 26.33              | 0.430 | 26.17            | 0.414 |
| 10              | 16QAM      | 1       | 49        | 26.24             | 0.421 | 26.26              | 0.423 | 26.29            | 0.426 |
| 10              | 16QAM      | 25      | 0         | 25.24             | 0.334 | 25.42              | 0.348 | 25.21            | 0.332 |
| 10              | 16QAM      | 25      | 12        | 25.07             | 0.321 | 25.08              | 0.322 | 25.07            | 0.321 |
| 10              | 16QAM      | 25      | 25        | 25.16             | 0.328 | 25.15              | 0.327 | 25.30            | 0.339 |
| 10              | 16QAM      | 50      | 0         | 25.17             | 0.329 | 25.21              | 0.332 | 25.17            | 0.329 |
| 10              | 64QAM      | 1       | 0         | 25.28             | 0.337 | 25.37              | 0.344 | 25.32            | 0.340 |
| 10              | 64QAM      | 1       | 25        | 25.37             | 0.344 | 25.14              | 0.327 | 25.18            | 0.330 |
| 10              | 64QAM      | 1       | 49        | 25.16             | 0.328 | 25.22              | 0.333 | 25.33            | 0.341 |
| 10              | 64QAM      | 25      | 0         | 24.21             | 0.264 | 24.35              | 0.272 | 24.37            | 0.274 |
| 10              | 64QAM      | 25      | 12        | 24.14             | 0.259 | 24.32              | 0.270 | 24.10            | 0.257 |
| 10              | 64QAM      | 25      | 25        | 24.13             | 0.259 | 24.09              | 0.256 | 24.08            | 0.256 |
| 10              | 64QAM      | 50      | 0         | 24.16             | 0.261 | 24.12              | 0.258 | 24.14            | 0.259 |



| LTE Band 25     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26065             |       | 26365              |       | 26665            |       |
| Frequency (MHz) |            |         |           | 1852.5            |       | 1882.5             |       | 1912.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 27.14             | 0.518 | 27.30              | 0.537 | 27.17            | 0.521 |
| 5               | QPSK       | 1       | 12        | 27.26             | 0.532 | 27.26              | 0.532 | 27.04            | 0.506 |
| 5               | QPSK       | 1       | 24        | 27.08             | 0.511 | 27.34              | 0.542 | 27.05            | 0.507 |
| 5               | QPSK       | 12      | 0         | 26.38             | 0.435 | 26.39              | 0.436 | 26.32            | 0.429 |
| 5               | QPSK       | 12      | 7         | 26.28             | 0.425 | 26.36              | 0.433 | 26.12            | 0.409 |
| 5               | QPSK       | 12      | 13        | 26.15             | 0.412 | 26.25              | 0.422 | 26.17            | 0.414 |
| 5               | QPSK       | 25      | 0         | 26.01             | 0.399 | 26.03              | 0.401 | 26.28            | 0.425 |
| 5               | 16QAM      | 1       | 0         | 26.32             | 0.429 | 26.28              | 0.425 | 26.33            | 0.430 |
| 5               | 16QAM      | 1       | 12        | 26.30             | 0.427 | 26.30              | 0.427 | 26.24            | 0.421 |
| 5               | 16QAM      | 1       | 24        | 26.10             | 0.407 | 26.20              | 0.417 | 26.34            | 0.431 |
| 5               | 16QAM      | 12      | 0         | 25.28             | 0.337 | 25.38              | 0.345 | 25.31            | 0.340 |
| 5               | 16QAM      | 12      | 7         | 25.27             | 0.337 | 25.13              | 0.326 | 25.13            | 0.326 |
| 5               | 16QAM      | 12      | 13        | 25.18             | 0.330 | 25.13              | 0.326 | 25.20            | 0.331 |
| 5               | 16QAM      | 25      | 0         | 25.10             | 0.324 | 25.21              | 0.332 | 25.14            | 0.327 |
| 5               | 64QAM      | 1       | 0         | 25.42             | 0.348 | 25.37              | 0.344 | 25.32            | 0.340 |
| 5               | 64QAM      | 1       | 12        | 25.20             | 0.331 | 25.29              | 0.338 | 25.40            | 0.347 |
| 5               | 64QAM      | 1       | 24        | 25.19             | 0.330 | 25.38              | 0.345 | 25.31            | 0.340 |
| 5               | 64QAM      | 12      | 0         | 24.13             | 0.259 | 24.27              | 0.267 | 24.15            | 0.260 |
| 5               | 64QAM      | 12      | 7         | 24.17             | 0.261 | 24.22              | 0.264 | 24.22            | 0.264 |
| 5               | 64QAM      | 12      | 13        | 24.12             | 0.258 | 24.10              | 0.257 | 24.21            | 0.264 |
| 5               | 64QAM      | 25      | 0         | 24.13             | 0.259 | 24.10              | 0.257 | 24.17            | 0.261 |



| LTE Band 25     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26055             |       | 26365              |       | 26675            |       |
| Frequency (MHz) |            |         |           | 1851.5            |       | 1882.5             |       | 1913.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 27.21             | 0.526 | 27.30              | 0.537 | 27.20            | 0.525 |
| 3               | QPSK       | 1       | 8         | 27.15             | 0.519 | 27.28              | 0.535 | 27.18            | 0.522 |
| 3               | QPSK       | 1       | 14        | 27.09             | 0.512 | 27.32              | 0.540 | 27.22            | 0.527 |
| 3               | QPSK       | 8       | 0         | 26.41             | 0.438 | 26.24              | 0.421 | 26.26            | 0.423 |
| 3               | QPSK       | 8       | 4         | 26.10             | 0.407 | 26.25              | 0.422 | 26.33            | 0.430 |
| 3               | QPSK       | 8       | 7         | 25.98             | 0.396 | 26.10              | 0.407 | 26.17            | 0.414 |
| 3               | QPSK       | 15      | 0         | 26.18             | 0.415 | 26.03              | 0.401 | 26.34            | 0.431 |
| 3               | 16QAM      | 1       | 0         | 26.46             | 0.443 | 26.51              | 0.448 | 26.26            | 0.423 |
| 3               | 16QAM      | 1       | 8         | 26.16             | 0.413 | 26.45              | 0.442 | 26.23            | 0.420 |
| 3               | 16QAM      | 1       | 14        | 26.08             | 0.406 | 26.19              | 0.416 | 26.15            | 0.412 |
| 3               | 16QAM      | 8       | 0         | 25.13             | 0.326 | 25.20              | 0.331 | 25.17            | 0.329 |
| 3               | 16QAM      | 8       | 4         | 25.08             | 0.322 | 25.11              | 0.324 | 25.35            | 0.343 |
| 3               | 16QAM      | 8       | 7         | 24.97             | 0.314 | 25.17              | 0.329 | 25.04            | 0.319 |
| 3               | 16QAM      | 15      | 0         | 24.99             | 0.316 | 25.10              | 0.324 | 25.22            | 0.333 |
| 3               | 64QAM      | 1       | 0         | 25.17             | 0.329 | 25.27              | 0.337 | 25.18            | 0.330 |
| 3               | 64QAM      | 1       | 8         | 25.34             | 0.342 | 25.16              | 0.328 | 25.11            | 0.324 |
| 3               | 64QAM      | 1       | 14        | 24.99             | 0.316 | 25.15              | 0.327 | 25.26            | 0.336 |
| 3               | 64QAM      | 8       | 0         | 24.26             | 0.267 | 24.18              | 0.262 | 24.05            | 0.254 |
| 3               | 64QAM      | 8       | 4         | 24.12             | 0.258 | 24.29              | 0.269 | 24.05            | 0.254 |
| 3               | 64QAM      | 8       | 7         | 23.84             | 0.242 | 24.27              | 0.267 | 24.22            | 0.264 |
| 3               | 64QAM      | 15      | 0         | 24.19             | 0.262 | 24.17              | 0.261 | 24.36            | 0.273 |





| LTE Band 25     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26047             |       | 26365              |       | 26683            |       |
| Frequency (MHz) |            |         |           | 1850.7            |       | 1882.5             |       | 1914.3           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 27.25             | 0.531 | 27.31              | 0.538 | 27.10            | 0.513 |
| 1.4             | QPSK       | 1       | 3         | 26.99             | 0.500 | 27.21              | 0.526 | 27.22            | 0.527 |
| 1.4             | QPSK       | 1       | 5         | 27.21             | 0.526 | 27.18              | 0.522 | 27.20            | 0.525 |
| 1.4             | QPSK       | 3       | 0         | 26.38             | 0.435 | 26.40              | 0.437 | 26.24            | 0.421 |
| 1.4             | QPSK       | 3       | 1         | 26.22             | 0.419 | 26.40              | 0.437 | 26.18            | 0.415 |
| 1.4             | QPSK       | 3       | 3         | 26.19             | 0.416 | 26.20              | 0.417 | 26.22            | 0.419 |
| 1.4             | QPSK       | 6       | 0         | 26.08             | 0.406 | 26.32              | 0.429 | 26.23            | 0.420 |
| 1.4             | 16QAM      | 1       | 0         | 26.22             | 0.419 | 26.36              | 0.433 | 26.35            | 0.432 |
| 1.4             | 16QAM      | 1       | 3         | 26.10             | 0.407 | 26.17              | 0.414 | 26.25            | 0.422 |
| 1.4             | 16QAM      | 1       | 5         | 26.15             | 0.412 | 26.45              | 0.442 | 26.32            | 0.429 |
| 1.4             | 16QAM      | 3       | 0         | 25.19             | 0.330 | 25.44              | 0.350 | 25.31            | 0.340 |
| 1.4             | 16QAM      | 3       | 1         | 25.13             | 0.326 | 25.36              | 0.344 | 25.18            | 0.330 |
| 1.4             | 16QAM      | 3       | 3         | 25.18             | 0.330 | 25.10              | 0.324 | 25.20            | 0.331 |
| 1.4             | 16QAM      | 6       | 0         | 25.18             | 0.330 | 25.34              | 0.342 | 25.21            | 0.332 |
| 1.4             | 64QAM      | 1       | 0         | 25.40             | 0.347 | 25.27              | 0.337 | 25.21            | 0.332 |
| 1.4             | 64QAM      | 1       | 3         | 25.14             | 0.327 | 25.41              | 0.348 | 25.17            | 0.329 |
| 1.4             | 64QAM      | 1       | 5         | 25.18             | 0.330 | 25.25              | 0.335 | 25.36            | 0.344 |
| 1.4             | 64QAM      | 3       | 0         | 24.17             | 0.261 | 24.12              | 0.258 | 24.26            | 0.267 |
| 1.4             | 64QAM      | 3       | 1         | 24.11             | 0.258 | 24.26              | 0.267 | 24.28            | 0.268 |
| 1.4             | 64QAM      | 3       | 3         | 24.20             | 0.263 | 24.28              | 0.268 | 24.08            | 0.256 |
| 1.4             | 64QAM      | 6       | 0         | 24.21             | 0.264 | 24.34              | 0.272 | 24.06            | 0.255 |



| LTE Band 26     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26865           |       | 26915              |       | 26965            |       |
| Frequency (MHz) |            |         |           | 831.5           |       | 836.5              |       | 841.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 23.21           | 0.209 | 23.14              | 0.206 | 23.14            | 0.206 |
| 15              | QPSK       | 1       | 37        | 23.10           | 0.204 | 23.01              | 0.200 | 22.95            | 0.197 |
| 15              | QPSK       | 1       | 74        | 23.08           | 0.203 | 23.05              | 0.202 | 23.03            | 0.201 |
| 15              | QPSK       | 36      | 0         | 22.30           | 0.170 | 22.13              | 0.163 | 21.98            | 0.158 |
| 15              | QPSK       | 36      | 20        | 22.23           | 0.167 | 22.15              | 0.164 | 22.18            | 0.165 |
| 15              | QPSK       | 36      | 39        | 22.14           | 0.164 | 22.05              | 0.160 | 22.04            | 0.160 |
| 15              | QPSK       | 75      | 0         | 22.25           | 0.168 | 22.21              | 0.166 | 22.17            | 0.165 |
| 15              | 16QAM      | 1       | 0         | 22.28           | 0.169 | 22.19              | 0.166 | 22.12            | 0.163 |
| 15              | 16QAM      | 1       | 37        | 22.26           | 0.168 | 22.18              | 0.165 | 22.15            | 0.164 |
| 15              | 16QAM      | 1       | 74        | 22.13           | 0.163 | 22.15              | 0.164 | 22.20            | 0.166 |
| 15              | 16QAM      | 36      | 0         | 21.20           | 0.132 | 21.16              | 0.130 | 21.16            | 0.131 |
| 15              | 16QAM      | 36      | 20        | 20.96           | 0.125 | 20.99              | 0.125 | 21.05            | 0.127 |
| 15              | 16QAM      | 36      | 39        | 21.01           | 0.126 | 20.95              | 0.124 | 20.97            | 0.125 |
| 15              | 16QAM      | 75      | 0         | 20.93           | 0.124 | 20.95              | 0.124 | 21.00            | 0.126 |
| 15              | 64QAM      | 1       | 0         | 21.30           | 0.135 | 21.17              | 0.131 | 21.14            | 0.130 |
| 15              | 64QAM      | 1       | 37        | 21.06           | 0.128 | 21.07              | 0.128 | 21.11            | 0.129 |
| 15              | 64QAM      | 1       | 74        | 21.12           | 0.129 | 21.04              | 0.127 | 21.06            | 0.128 |
| 15              | 64QAM      | 36      | 0         | 20.11           | 0.103 | 20.11              | 0.102 | 20.20            | 0.105 |
| 15              | 64QAM      | 36      | 20        | 20.21           | 0.105 | 20.05              | 0.101 | 19.95            | 0.099 |
| 15              | 64QAM      | 36      | 39        | 20.03           | 0.101 | 20.05              | 0.101 | 20.12            | 0.103 |
| 15              | 64QAM      | 75      | 0         | 20.16           | 0.104 | 20.10              | 0.102 | 20.09            | 0.102 |



| LTE Band 26     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26840           |       | 26915              |       | 26990            |       |
| Frequency (MHz) |            |         |           | 829.0           |       | 836.5              |       | 844.0            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 23.08           | 0.203 | 23.06              | 0.202 | 23.17            | 0.207 |
| 10              | QPSK       | 1       | 25        | 23.07           | 0.203 | 23.05              | 0.202 | 23.09            | 0.204 |
| 10              | QPSK       | 1       | 49        | 23.14           | 0.206 | 23.09              | 0.204 | 23.15            | 0.207 |
| 10              | QPSK       | 25      | 0         | 22.09           | 0.162 | 22.11              | 0.163 | 22.15            | 0.164 |
| 10              | QPSK       | 25      | 12        | 21.88           | 0.154 | 21.85              | 0.153 | 21.94            | 0.156 |
| 10              | QPSK       | 25      | 25        | 21.99           | 0.158 | 21.92              | 0.156 | 22.00            | 0.158 |
| 10              | QPSK       | 50      | 0         | 22.01           | 0.159 | 21.95              | 0.157 | 22.06            | 0.161 |
| 10              | 16QAM      | 1       | 0         | 22.28           | 0.169 | 22.33              | 0.171 | 22.37            | 0.173 |
| 10              | 16QAM      | 1       | 25        | 22.05           | 0.160 | 22.06              | 0.161 | 22.12            | 0.163 |
| 10              | 16QAM      | 1       | 49        | 22.11           | 0.163 | 22.13              | 0.163 | 22.22            | 0.167 |
| 10              | 16QAM      | 25      | 0         | 21.20           | 0.132 | 21.17              | 0.131 | 21.21            | 0.132 |
| 10              | 16QAM      | 25      | 12        | 20.99           | 0.126 | 21.01              | 0.126 | 21.04            | 0.127 |
| 10              | 16QAM      | 25      | 25        | 20.84           | 0.121 | 20.89              | 0.123 | 20.93            | 0.124 |
| 10              | 16QAM      | 50      | 0         | 21.05           | 0.127 | 21.05              | 0.127 | 21.10            | 0.129 |
| 10              | 64QAM      | 1       | 0         | 21.15           | 0.130 | 21.21              | 0.132 | 21.24            | 0.133 |
| 10              | 64QAM      | 1       | 25        | 21.21           | 0.132 | 21.15              | 0.130 | 21.22            | 0.132 |
| 10              | 64QAM      | 1       | 49        | 21.07           | 0.128 | 21.07              | 0.128 | 21.12            | 0.129 |
| 10              | 64QAM      | 25      | 0         | 19.98           | 0.100 | 19.99              | 0.100 | 20.07            | 0.102 |
| 10              | 64QAM      | 25      | 12        | 19.88           | 0.097 | 19.89              | 0.097 | 19.96            | 0.099 |
| 10              | 64QAM      | 25      | 25        | 19.86           | 0.097 | 19.91              | 0.098 | 19.95            | 0.099 |
| 10              | 64QAM      | 50      | 0         | 20.11           | 0.103 | 20.12              | 0.103 | 20.13            | 0.103 |



| LTE Band 26     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26815           |       | 26915              |       | 27015            |       |
| Frequency (MHz) |            |         |           | 826.5           |       | 836.5              |       | 846.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 22.98           | 0.199 | 23.04              | 0.201 | 23.10            | 0.204 |
| 5               | QPSK       | 1       | 12        | 22.88           | 0.194 | 22.88              | 0.194 | 22.91            | 0.195 |
| 5               | QPSK       | 1       | 24        | 22.91           | 0.195 | 22.91              | 0.195 | 22.92            | 0.196 |
| 5               | QPSK       | 12      | 0         | 22.20           | 0.166 | 22.27              | 0.169 | 22.30            | 0.170 |
| 5               | QPSK       | 12      | 7         | 21.91           | 0.155 | 21.87              | 0.154 | 21.95            | 0.157 |
| 5               | QPSK       | 12      | 13        | 21.99           | 0.158 | 21.89              | 0.155 | 22.01            | 0.159 |
| 5               | QPSK       | 25      | 0         | 21.89           | 0.155 | 21.93              | 0.156 | 22.00            | 0.158 |
| 5               | 16QAM      | 1       | 0         | 22.24           | 0.167 | 22.29              | 0.169 | 22.32            | 0.171 |
| 5               | 16QAM      | 1       | 12        | 21.96           | 0.157 | 21.91              | 0.155 | 22.03            | 0.160 |
| 5               | 16QAM      | 1       | 24        | 22.14           | 0.164 | 22.22              | 0.167 | 22.24            | 0.167 |
| 5               | 16QAM      | 12      | 0         | 21.13           | 0.130 | 21.09              | 0.129 | 21.16            | 0.131 |
| 5               | 16QAM      | 12      | 7         | 21.06           | 0.128 | 21.01              | 0.126 | 21.09            | 0.129 |
| 5               | 16QAM      | 12      | 13        | 20.89           | 0.123 | 20.87              | 0.122 | 20.98            | 0.125 |
| 5               | 16QAM      | 25      | 0         | 20.95           | 0.124 | 20.98              | 0.125 | 20.99            | 0.126 |
| 5               | 64QAM      | 1       | 0         | 21.29           | 0.135 | 21.27              | 0.134 | 21.38            | 0.137 |
| 5               | 64QAM      | 1       | 12        | 21.15           | 0.130 | 21.17              | 0.131 | 21.24            | 0.133 |
| 5               | 64QAM      | 1       | 24        | 20.97           | 0.125 | 21.04              | 0.127 | 21.08            | 0.128 |
| 5               | 64QAM      | 12      | 0         | 20.06           | 0.101 | 20.05              | 0.101 | 20.08            | 0.102 |
| 5               | 64QAM      | 12      | 7         | 20.05           | 0.101 | 20.06              | 0.101 | 20.07            | 0.102 |
| 5               | 64QAM      | 12      | 13        | 20.08           | 0.102 | 19.98              | 0.100 | 20.10            | 0.102 |
| 5               | 64QAM      | 25      | 0         | 20.09           | 0.102 | 20.02              | 0.100 | 20.14            | 0.103 |



| LTE Band 26     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26805           |       | 26915              |       | 27025            |       |
| Frequency (MHz) |            |         |           | 825.5           |       | 836.5              |       | 847.5            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 23.07           | 0.203 | 23.12              | 0.205 | 23.15            | 0.207 |
| 3               | QPSK       | 1       | 8         | 23.06           | 0.202 | 22.99              | 0.199 | 23.11            | 0.205 |
| 3               | QPSK       | 1       | 14        | 23.07           | 0.203 | 23.02              | 0.200 | 23.08            | 0.203 |
| 3               | QPSK       | 8       | 0         | 22.09           | 0.162 | 22.06              | 0.161 | 22.11            | 0.163 |
| 3               | QPSK       | 8       | 4         | 22.11           | 0.163 | 22.07              | 0.161 | 22.15            | 0.164 |
| 3               | QPSK       | 8       | 7         | 21.83           | 0.152 | 21.89              | 0.155 | 21.95            | 0.157 |
| 3               | QPSK       | 15      | 0         | 22.06           | 0.161 | 22.12              | 0.163 | 22.13            | 0.163 |
| 3               | 16QAM      | 1       | 0         | 22.34           | 0.171 | 22.32              | 0.171 | 22.40            | 0.174 |
| 3               | 16QAM      | 1       | 8         | 22.01           | 0.159 | 22.01              | 0.159 | 22.12            | 0.163 |
| 3               | 16QAM      | 1       | 14        | 22.13           | 0.163 | 22.11              | 0.163 | 22.23            | 0.167 |
| 3               | 16QAM      | 8       | 0         | 21.10           | 0.129 | 21.17              | 0.131 | 21.21            | 0.132 |
| 3               | 16QAM      | 8       | 4         | 21.22           | 0.132 | 21.26              | 0.134 | 21.28            | 0.134 |
| 3               | 16QAM      | 8       | 7         | 21.12           | 0.129 | 21.11              | 0.129 | 21.13            | 0.130 |
| 3               | 16QAM      | 15      | 0         | 20.88           | 0.122 | 20.87              | 0.122 | 20.91            | 0.123 |
| 3               | 64QAM      | 1       | 0         | 21.28           | 0.134 | 21.26              | 0.134 | 21.38            | 0.137 |
| 3               | 64QAM      | 1       | 8         | 21.13           | 0.130 | 21.14              | 0.130 | 21.22            | 0.132 |
| 3               | 64QAM      | 1       | 14        | 21.00           | 0.126 | 20.94              | 0.124 | 21.06            | 0.128 |
| 3               | 64QAM      | 8       | 0         | 19.86           | 0.097 | 19.83              | 0.096 | 19.91            | 0.098 |
| 3               | 64QAM      | 8       | 4         | 20.06           | 0.101 | 19.98              | 0.100 | 20.08            | 0.102 |
| 3               | 64QAM      | 8       | 7         | 19.99           | 0.100 | 20.04              | 0.101 | 20.05            | 0.101 |
| 3               | 64QAM      | 15      | 0         | 20.13           | 0.103 | 20.09              | 0.102 | 20.14            | 0.103 |



| LTE Band 26     |            |         |           | Measured E.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-----------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq. |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 26797           |       | 26915              |       | 27033            |       |
| Frequency (MHz) |            |         |           | 824.7           |       | 836.5              |       | 848.3            |       |
|                 |            |         |           | dBm             | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 23.09           | 0.204 | 23.07              | 0.203 | 23.19            | 0.208 |
| 1.4             | QPSK       | 1       | 3         | 22.93           | 0.196 | 22.91              | 0.195 | 23.03            | 0.201 |
| 1.4             | QPSK       | 1       | 5         | 23.01           | 0.200 | 22.99              | 0.199 | 23.02            | 0.200 |
| 1.4             | QPSK       | 3       | 0         | 22.17           | 0.165 | 22.18              | 0.165 | 22.21            | 0.166 |
| 1.4             | QPSK       | 3       | 1         | 22.15           | 0.164 | 22.16              | 0.164 | 22.24            | 0.167 |
| 1.4             | QPSK       | 3       | 3         | 22.05           | 0.160 | 21.96              | 0.157 | 22.07            | 0.161 |
| 1.4             | QPSK       | 6       | 0         | 21.88           | 0.154 | 21.86              | 0.153 | 21.91            | 0.155 |
| 1.4             | 16QAM      | 1       | 0         | 22.28           | 0.169 | 22.30              | 0.170 | 22.40            | 0.174 |
| 1.4             | 16QAM      | 1       | 3         | 22.05           | 0.160 | 22.07              | 0.161 | 22.09            | 0.162 |
| 1.4             | 16QAM      | 1       | 5         | 22.00           | 0.158 | 22.04              | 0.160 | 22.11            | 0.163 |
| 1.4             | 16QAM      | 3       | 0         | 21.05           | 0.127 | 21.09              | 0.129 | 21.10            | 0.129 |
| 1.4             | 16QAM      | 3       | 1         | 21.07           | 0.128 | 21.08              | 0.128 | 21.09            | 0.129 |
| 1.4             | 16QAM      | 3       | 3         | 21.09           | 0.129 | 21.16              | 0.131 | 21.21            | 0.132 |
| 1.4             | 16QAM      | 6       | 0         | 20.82           | 0.121 | 20.84              | 0.121 | 20.89            | 0.123 |
| 1.4             | 64QAM      | 1       | 0         | 21.26           | 0.134 | 21.26              | 0.134 | 21.37            | 0.137 |
| 1.4             | 64QAM      | 1       | 3         | 20.92           | 0.124 | 20.92              | 0.124 | 21.03            | 0.127 |
| 1.4             | 64QAM      | 1       | 5         | 21.09           | 0.129 | 21.08              | 0.128 | 21.19            | 0.132 |
| 1.4             | 64QAM      | 3       | 0         | 20.06           | 0.101 | 20.10              | 0.102 | 20.12            | 0.103 |
| 1.4             | 64QAM      | 3       | 1         | 20.21           | 0.105 | 20.14              | 0.103 | 20.23            | 0.105 |
| 1.4             | 64QAM      | 3       | 3         | 20.03           | 0.101 | 19.96              | 0.099 | 20.08            | 0.102 |
| 1.4             | 64QAM      | 6       | 0         | 20.16           | 0.104 | 20.18              | 0.104 | 20.23            | 0.105 |



| LTE Band 30     |            |         |              | Measured E.R.P.    |   |                       |       |                     |   |
|-----------------|------------|---------|--------------|--------------------|---|-----------------------|-------|---------------------|---|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |   | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |   |
| Channel         |            |         |              | /                  |   | 27710                 |       | /                   |   |
| Frequency (MHz) |            |         |              | /                  |   | 2310                  |       | /                   |   |
|                 |            |         |              | dBm                | W | dBm                   | W     | dBm                 | W |
| 10              | QPSK       | 1       | 0            | /                  | / | 23.09                 | 0.204 | /                   | / |
| 10              | QPSK       | 1       | 25           | /                  | / | 23.04                 | 0.201 | /                   | / |
| 10              | QPSK       | 1       | 49           | /                  | / | 23.03                 | 0.201 | /                   | / |
| 10              | QPSK       | 25      | 0            | /                  | / | 21.95                 | 0.157 | /                   | / |
| 10              | QPSK       | 25      | 12           | /                  | / | 22.03                 | 0.160 | /                   | / |
| 10              | QPSK       | 25      | 25           | /                  | / | 21.74                 | 0.149 | /                   | / |
| 10              | QPSK       | 50      | 0            | /                  | / | 22.00                 | 0.158 | /                   | / |
| 10              | 16QAM      | 1       | 0            | /                  | / | 22.03                 | 0.160 | /                   | / |
| 10              | 16QAM      | 1       | 25           | /                  | / | 21.93                 | 0.156 | /                   | / |
| 10              | 16QAM      | 1       | 49           | /                  | / | 21.91                 | 0.155 | /                   | / |
| 10              | 16QAM      | 25      | 0            | /                  | / | 20.95                 | 0.124 | /                   | / |
| 10              | 16QAM      | 25      | 12           | /                  | / | 20.84                 | 0.121 | /                   | / |
| 10              | 16QAM      | 25      | 25           | /                  | / | 20.88                 | 0.122 | /                   | / |
| 10              | 16QAM      | 50      | 0            | /                  | / | 20.93                 | 0.124 | /                   | / |
| 10              | 64QAM      | 1       | 0            | /                  | / | 21.04                 | 0.127 | /                   | / |
| 10              | 64QAM      | 1       | 25           | /                  | / | 21.07                 | 0.128 | /                   | / |
| 10              | 64QAM      | 1       | 49           | /                  | / | 21.01                 | 0.126 | /                   | / |
| 10              | 64QAM      | 25      | 0            | /                  | / | 20.00                 | 0.100 | /                   | / |
| 10              | 64QAM      | 25      | 12           | /                  | / | 20.06                 | 0.101 | /                   | / |
| 10              | 64QAM      | 25      | 25           | /                  | / | 20.01                 | 0.100 | /                   | / |
| 10              | 64QAM      | 50      | 0            | /                  | / | 19.94                 | 0.099 | /                   | / |



| LTE Band 30     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 27685              |       | 27710                 |       | 27735               |       |
| Frequency (MHz) |            |         |              | 2307.5             |       | 2310                  |       | 2312.5              |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1       | 0            | 22.98              | 0.199 | 23.04                 | 0.201 | 22.96               | 0.198 |
| 5               | QPSK       | 1       | 12           | 22.87              | 0.194 | 23.02                 | 0.200 | 22.88               | 0.194 |
| 5               | QPSK       | 1       | 24           | 22.72              | 0.187 | 22.93                 | 0.196 | 22.90               | 0.195 |
| 5               | QPSK       | 12      | 0            | 22.05              | 0.160 | 22.10                 | 0.162 | 22.03               | 0.160 |
| 5               | QPSK       | 12      | 7            | 21.87              | 0.154 | 21.90                 | 0.155 | 21.96               | 0.157 |
| 5               | QPSK       | 12      | 13           | 21.83              | 0.152 | 22.04                 | 0.160 | 21.73               | 0.149 |
| 5               | QPSK       | 25      | 0            | 21.74              | 0.149 | 22.09                 | 0.162 | 22.07               | 0.161 |
| 5               | 16QAM      | 1       | 0            | 22.00              | 0.158 | 22.07                 | 0.161 | 22.09               | 0.162 |
| 5               | 16QAM      | 1       | 12           | 22.03              | 0.160 | 22.04                 | 0.160 | 21.89               | 0.155 |
| 5               | 16QAM      | 1       | 24           | 21.81              | 0.152 | 21.95                 | 0.157 | 21.90               | 0.155 |
| 5               | 16QAM      | 12      | 0            | 20.93              | 0.124 | 21.08                 | 0.128 | 21.11               | 0.129 |
| 5               | 16QAM      | 12      | 7            | 21.08              | 0.128 | 21.02                 | 0.126 | 21.03               | 0.127 |
| 5               | 16QAM      | 12      | 13           | 20.88              | 0.122 | 21.00                 | 0.126 | 20.88               | 0.122 |
| 5               | 16QAM      | 25      | 0            | 20.88              | 0.122 | 21.10                 | 0.129 | 20.79               | 0.120 |
| 5               | 64QAM      | 1       | 0            | 20.93              | 0.124 | 21.09                 | 0.129 | 21.03               | 0.127 |
| 5               | 64QAM      | 1       | 12           | 21.02              | 0.126 | 21.03                 | 0.127 | 20.92               | 0.124 |
| 5               | 64QAM      | 1       | 24           | 20.78              | 0.120 | 20.97                 | 0.125 | 20.90               | 0.123 |
| 5               | 64QAM      | 12      | 0            | 20.06              | 0.101 | 20.13                 | 0.103 | 19.97               | 0.099 |
| 5               | 64QAM      | 12      | 7            | 19.84              | 0.096 | 19.90                 | 0.098 | 19.83               | 0.096 |
| 5               | 64QAM      | 12      | 13           | 19.81              | 0.096 | 20.09                 | 0.102 | 19.86               | 0.097 |
| 5               | 64QAM      | 25      | 0            | 19.91              | 0.098 | 19.85                 | 0.097 | 19.98               | 0.100 |





| LTE Band 41 (Power Class 2) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39750              |       | 40620                 |       | 41490               |       |
| Frequency (MHz)             |            |            |              | 2506               |       | 2593                  |       | 2680                |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 20                          | QPSK       | 1          | 0            | 27.27              | 0.533 | 27.33                 | 0.541 | 27.22               | 0.527 |
| 20                          | QPSK       | 1          | 49           | 27.12              | 0.515 | 27.17                 | 0.521 | 27.10               | 0.513 |
| 20                          | QPSK       | 1          | 99           | 27.13              | 0.516 | 27.18                 | 0.522 | 27.07               | 0.509 |
| 20                          | QPSK       | 50         | 0            | 26.34              | 0.431 | 26.40                 | 0.437 | 26.25               | 0.422 |
| 20                          | QPSK       | 50         | 24           | 26.14              | 0.411 | 26.26                 | 0.423 | 26.09               | 0.406 |
| 20                          | QPSK       | 50         | 50           | 26.21              | 0.418 | 26.16                 | 0.413 | 26.13               | 0.410 |
| 20                          | QPSK       | 100        | 0            | 26.16              | 0.413 | 26.17                 | 0.414 | 25.96               | 0.394 |
| 20                          | 16QAM      | 1          | 0            | 26.32              | 0.429 | 26.38                 | 0.435 | 26.24               | 0.421 |
| 20                          | 16QAM      | 1          | 49           | 26.32              | 0.429 | 26.18                 | 0.415 | 26.13               | 0.410 |
| 20                          | 16QAM      | 1          | 99           | 26.26              | 0.423 | 26.07                 | 0.405 | 26.23               | 0.420 |
| 20                          | 16QAM      | 50         | 0            | 25.09              | 0.323 | 25.29                 | 0.338 | 25.15               | 0.327 |
| 20                          | 16QAM      | 50         | 24           | 25.06              | 0.321 | 25.14                 | 0.327 | 25.13               | 0.326 |
| 20                          | 16QAM      | 50         | 50           | 24.97              | 0.314 | 25.17                 | 0.329 | 25.08               | 0.322 |
| 20                          | 16QAM      | 100        | 0            | 25.09              | 0.323 | 25.14                 | 0.327 | 25.02               | 0.318 |
| 20                          | 64QAM      | 1          | 0            | 25.27              | 0.337 | 25.48                 | 0.353 | 25.44               | 0.350 |
| 20                          | 64QAM      | 1          | 49           | 25.32              | 0.340 | 25.33                 | 0.341 | 25.12               | 0.325 |
| 20                          | 64QAM      | 1          | 99           | 25.26              | 0.336 | 25.16                 | 0.328 | 25.10               | 0.324 |
| 20                          | 64QAM      | 50         | 0            | 24.01              | 0.252 | 24.22                 | 0.264 | 24.25               | 0.266 |
| 20                          | 64QAM      | 50         | 24           | 23.93              | 0.247 | 24.20                 | 0.263 | 23.95               | 0.248 |
| 20                          | 64QAM      | 50         | 50           | 24.21              | 0.264 | 24.06                 | 0.255 | 23.88               | 0.244 |
| 20                          | 64QAM      | 100        | 0            | 23.93              | 0.247 | 23.94                 | 0.248 | 24.00               | 0.251 |



| LTE Band 41 (Power Class 2) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39725              |       | 40620                 |       | 41515               |       |
| Frequency (MHz)             |            |            |              | 2503.5             |       | 2593                  |       | 2682.5              |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 15                          | QPSK       | 1          | 0            | 27.12              | 0.515 | 27.27                 | 0.533 | 27.11               | 0.514 |
| 15                          | QPSK       | 1          | 37           | 26.96              | 0.497 | 27.04                 | 0.506 | 27.04               | 0.506 |
| 15                          | QPSK       | 1          | 74           | 26.95              | 0.495 | 27.21                 | 0.526 | 27.05               | 0.507 |
| 15                          | QPSK       | 36         | 0            | 26.35              | 0.432 | 26.30                 | 0.427 | 26.08               | 0.406 |
| 15                          | QPSK       | 36         | 20           | 26.13              | 0.410 | 26.26                 | 0.423 | 26.01               | 0.399 |
| 15                          | QPSK       | 36         | 39           | 26.05              | 0.403 | 26.11                 | 0.408 | 25.99               | 0.397 |
| 15                          | QPSK       | 75         | 0            | 26.26              | 0.423 | 25.98                 | 0.396 | 26.10               | 0.407 |
| 15                          | 16QAM      | 1          | 0            | 26.23              | 0.420 | 26.35                 | 0.432 | 26.24               | 0.421 |
| 15                          | 16QAM      | 1          | 37           | 26.27              | 0.424 | 26.34                 | 0.431 | 26.30               | 0.427 |
| 15                          | 16QAM      | 1          | 74           | 26.27              | 0.424 | 26.19                 | 0.416 | 26.33               | 0.430 |
| 15                          | 16QAM      | 36         | 0            | 25.02              | 0.318 | 25.22                 | 0.333 | 25.15               | 0.327 |
| 15                          | 16QAM      | 36         | 20           | 25.02              | 0.318 | 25.25                 | 0.335 | 25.20               | 0.331 |
| 15                          | 16QAM      | 36         | 39           | 24.91              | 0.310 | 24.94                 | 0.312 | 25.03               | 0.318 |
| 15                          | 16QAM      | 75         | 0            | 25.23              | 0.333 | 25.24                 | 0.334 | 25.08               | 0.322 |
| 15                          | 64QAM      | 1          | 0            | 25.09              | 0.323 | 25.14                 | 0.327 | 25.18               | 0.330 |
| 15                          | 64QAM      | 1          | 37           | 25.34              | 0.342 | 25.15                 | 0.327 | 25.29               | 0.338 |
| 15                          | 64QAM      | 1          | 74           | 25.00              | 0.316 | 25.24                 | 0.334 | 25.12               | 0.325 |
| 15                          | 64QAM      | 36         | 0            | 24.16              | 0.261 | 24.31                 | 0.270 | 24.33               | 0.271 |
| 15                          | 64QAM      | 36         | 20           | 24.26              | 0.267 | 24.13                 | 0.259 | 24.20               | 0.263 |
| 15                          | 64QAM      | 36         | 39           | 24.00              | 0.251 | 24.22                 | 0.264 | 24.15               | 0.260 |
| 15                          | 64QAM      | 75         | 0            | 24.26              | 0.267 | 24.28                 | 0.268 | 24.04               | 0.254 |



| LTE Band 41 (Power Class 2) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39700              |       | 40620                 |       | 41540               |       |
| Frequency (MHz)             |            |            |              | 2501               |       | 2593                  |       | 2685                |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10                          | QPSK       | 1          | 0            | 27.21              | 0.526 | 27.23                 | 0.528 | 27.08               | 0.511 |
| 10                          | QPSK       | 1          | 25           | 26.96              | 0.497 | 27.04                 | 0.506 | 27.10               | 0.513 |
| 10                          | QPSK       | 1          | 49           | 26.96              | 0.497 | 27.12                 | 0.515 | 27.00               | 0.501 |
| 10                          | QPSK       | 25         | 0            | 26.19              | 0.416 | 26.23                 | 0.420 | 26.27               | 0.424 |
| 10                          | QPSK       | 25         | 12           | 26.31              | 0.428 | 26.11                 | 0.408 | 25.97               | 0.395 |
| 10                          | QPSK       | 25         | 25           | 26.12              | 0.409 | 26.22                 | 0.419 | 26.13               | 0.410 |
| 10                          | QPSK       | 50         | 0            | 26.22              | 0.419 | 26.07                 | 0.405 | 26.17               | 0.414 |
| 10                          | 16QAM      | 1          | 0            | 26.42              | 0.439 | 26.45                 | 0.442 | 26.42               | 0.439 |
| 10                          | 16QAM      | 1          | 25           | 26.24              | 0.421 | 26.11                 | 0.408 | 26.10               | 0.407 |
| 10                          | 16QAM      | 1          | 49           | 26.16              | 0.413 | 26.31                 | 0.428 | 26.33               | 0.430 |
| 10                          | 16QAM      | 25         | 0            | 25.04              | 0.319 | 25.22                 | 0.333 | 25.11               | 0.324 |
| 10                          | 16QAM      | 25         | 12           | 25.26              | 0.336 | 25.02                 | 0.318 | 25.19               | 0.330 |
| 10                          | 16QAM      | 25         | 25           | 25.02              | 0.318 | 25.06                 | 0.321 | 25.00               | 0.316 |
| 10                          | 16QAM      | 50         | 0            | 24.96              | 0.313 | 25.22                 | 0.333 | 24.96               | 0.313 |
| 10                          | 64QAM      | 1          | 0            | 25.34              | 0.342 | 25.26                 | 0.336 | 25.23               | 0.333 |
| 10                          | 64QAM      | 1          | 25           | 25.25              | 0.335 | 25.10                 | 0.324 | 25.12               | 0.325 |
| 10                          | 64QAM      | 1          | 49           | 25.14              | 0.327 | 25.25                 | 0.335 | 25.20               | 0.331 |
| 10                          | 64QAM      | 25         | 0            | 24.14              | 0.259 | 24.28                 | 0.268 | 24.25               | 0.266 |
| 10                          | 64QAM      | 25         | 12           | 24.23              | 0.265 | 24.05                 | 0.254 | 23.94               | 0.248 |
| 10                          | 64QAM      | 25         | 25           | 23.97              | 0.249 | 24.18                 | 0.262 | 24.02               | 0.252 |
| 10                          | 64QAM      | 50         | 0            | 24.19              | 0.262 | 24.03                 | 0.253 | 24.14               | 0.259 |



| LTE Band 41 (Power Class 2) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39675              |       | 40620                 |       | 41565               |       |
| Frequency (MHz)             |            |            |              | 2498.5             |       | 2593                  |       | 2687.5              |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5                           | QPSK       | 1          | 0            | 27.19              | 0.524 | 27.26                 | 0.532 | 27.06               | 0.508 |
| 5                           | QPSK       | 1          | 12           | 27.09              | 0.512 | 27.26                 | 0.532 | 27.02               | 0.504 |
| 5                           | QPSK       | 1          | 24           | 27.19              | 0.524 | 27.15                 | 0.519 | 27.10               | 0.513 |
| 5                           | QPSK       | 12         | 0            | 26.16              | 0.413 | 26.30                 | 0.427 | 26.16               | 0.413 |
| 5                           | QPSK       | 12         | 7            | 26.18              | 0.415 | 26.12                 | 0.409 | 26.28               | 0.425 |
| 5                           | QPSK       | 12         | 13           | 26.02              | 0.400 | 26.07                 | 0.405 | 26.18               | 0.415 |
| 5                           | QPSK       | 25         | 0            | 26.22              | 0.419 | 26.25                 | 0.422 | 26.21               | 0.418 |
| 5                           | 16QAM      | 1          | 0            | 26.21              | 0.418 | 26.18                 | 0.415 | 26.20               | 0.417 |
| 5                           | 16QAM      | 1          | 12           | 26.09              | 0.406 | 26.12                 | 0.409 | 26.08               | 0.406 |
| 5                           | 16QAM      | 1          | 24           | 26.24              | 0.421 | 26.23                 | 0.420 | 26.02               | 0.400 |
| 5                           | 16QAM      | 12         | 0            | 25.23              | 0.333 | 25.07                 | 0.321 | 25.20               | 0.331 |
| 5                           | 16QAM      | 12         | 7            | 24.97              | 0.314 | 25.02                 | 0.318 | 25.19               | 0.330 |
| 5                           | 16QAM      | 12         | 13           | 25.08              | 0.322 | 25.11                 | 0.324 | 25.11               | 0.324 |
| 5                           | 16QAM      | 25         | 0            | 25.02              | 0.318 | 25.22                 | 0.333 | 24.91               | 0.310 |
| 5                           | 64QAM      | 1          | 0            | 25.29              | 0.338 | 25.22                 | 0.333 | 25.16               | 0.328 |
| 5                           | 64QAM      | 1          | 12           | 25.35              | 0.343 | 25.32                 | 0.340 | 25.15               | 0.327 |
| 5                           | 64QAM      | 1          | 24           | 25.23              | 0.333 | 25.11                 | 0.324 | 25.09               | 0.323 |
| 5                           | 64QAM      | 12         | 0            | 24.04              | 0.254 | 24.12                 | 0.258 | 24.23               | 0.265 |
| 5                           | 64QAM      | 12         | 7            | 24.21              | 0.264 | 24.20                 | 0.263 | 24.07               | 0.255 |
| 5                           | 64QAM      | 12         | 13           | 24.21              | 0.264 | 24.16                 | 0.261 | 24.22               | 0.264 |
| 5                           | 64QAM      | 25         | 0            | 24.09              | 0.256 | 24.08                 | 0.256 | 24.11               | 0.258 |



| LTE Band 41 (Power Class 3) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39750              |       | 40620                 |       | 41490               |       |
| Frequency (MHz)             |            |            |              | 2506               |       | 2593                  |       | 2680                |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 20                          | QPSK       | 1          | 0            | 29.67              | 0.927 | 29.75                 | 0.944 | 29.49               | 0.889 |
| 20                          | QPSK       | 1          | 49           | 29.70              | 0.933 | 29.47                 | 0.885 | 29.62               | 0.916 |
| 20                          | QPSK       | 1          | 99           | 29.49              | 0.889 | 29.61                 | 0.914 | 29.54               | 0.899 |
| 20                          | QPSK       | 50         | 0            | 28.68              | 0.738 | 28.87                 | 0.771 | 28.67               | 0.736 |
| 20                          | QPSK       | 50         | 24           | 28.72              | 0.745 | 28.72                 | 0.745 | 28.77               | 0.753 |
| 20                          | QPSK       | 50         | 50           | 28.65              | 0.733 | 28.69                 | 0.740 | 28.64               | 0.731 |
| 20                          | QPSK       | 100        | 0            | 28.72              | 0.745 | 28.59                 | 0.723 | 28.76               | 0.752 |
| 20                          | 16QAM      | 1          | 0            | 28.62              | 0.728 | 28.71                 | 0.743 | 28.77               | 0.753 |
| 20                          | 16QAM      | 1          | 49           | 28.91              | 0.778 | 28.75                 | 0.750 | 28.63               | 0.729 |
| 20                          | 16QAM      | 1          | 99           | 28.59              | 0.723 | 28.74                 | 0.748 | 28.79               | 0.757 |
| 20                          | 16QAM      | 50         | 0            | 27.69              | 0.587 | 27.68                 | 0.586 | 27.74               | 0.594 |
| 20                          | 16QAM      | 50         | 24           | 27.65              | 0.582 | 27.53                 | 0.566 | 27.50               | 0.562 |
| 20                          | 16QAM      | 50         | 50           | 27.56              | 0.570 | 27.67                 | 0.585 | 27.60               | 0.575 |
| 20                          | 16QAM      | 100        | 0            | 27.52              | 0.565 | 27.65                 | 0.582 | 27.55               | 0.569 |
| 20                          | 64QAM      | 1          | 0            | 27.63              | 0.579 | 27.88                 | 0.614 | 27.75               | 0.596 |
| 20                          | 64QAM      | 1          | 49           | 27.74              | 0.594 | 27.84                 | 0.608 | 27.61               | 0.577 |
| 20                          | 64QAM      | 1          | 99           | 27.68              | 0.586 | 27.65                 | 0.582 | 27.80               | 0.603 |
| 20                          | 64QAM      | 50         | 0            | 26.61              | 0.458 | 26.59                 | 0.456 | 26.53               | 0.450 |
| 20                          | 64QAM      | 50         | 24           | 26.50              | 0.447 | 26.61                 | 0.458 | 26.54               | 0.451 |
| 20                          | 64QAM      | 50         | 50           | 26.49              | 0.446 | 26.70                 | 0.468 | 26.55               | 0.452 |
| 20                          | 64QAM      | 100        | 0            | 26.56              | 0.453 | 26.65                 | 0.462 | 26.63               | 0.460 |



| LTE Band 41 (Power Class 3) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39725              |       | 40620                 |       | 41515               |       |
| Frequency (MHz)             |            |            |              | 2503.5             |       | 2593                  |       | 2682.5              |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 15                          | QPSK       | 1          | 0            | 29.63              | 0.918 | 29.72                 | 0.938 | 29.47               | 0.885 |
| 15                          | QPSK       | 1          | 37           | 29.50              | 0.891 | 29.49                 | 0.889 | 29.64               | 0.920 |
| 15                          | QPSK       | 1          | 74           | 29.42              | 0.875 | 29.41                 | 0.873 | 29.70               | 0.933 |
| 15                          | QPSK       | 36         | 0            | 28.58              | 0.721 | 28.86                 | 0.769 | 28.87               | 0.771 |
| 15                          | QPSK       | 36         | 20           | 28.58              | 0.721 | 28.68                 | 0.738 | 28.69               | 0.740 |
| 15                          | QPSK       | 36         | 39           | 28.57              | 0.719 | 28.72                 | 0.745 | 28.61               | 0.726 |
| 15                          | QPSK       | 75         | 0            | 28.44              | 0.698 | 28.73                 | 0.746 | 28.62               | 0.728 |
| 15                          | 16QAM      | 1          | 0            | 28.76              | 0.752 | 28.89                 | 0.774 | 28.69               | 0.740 |
| 15                          | 16QAM      | 1          | 37           | 28.70              | 0.741 | 28.63                 | 0.729 | 28.78               | 0.755 |
| 15                          | 16QAM      | 1          | 74           | 28.53              | 0.713 | 28.60                 | 0.724 | 28.71               | 0.743 |
| 15                          | 16QAM      | 36         | 0            | 27.62              | 0.578 | 27.71                 | 0.590 | 27.61               | 0.577 |
| 15                          | 16QAM      | 36         | 20           | 27.72              | 0.592 | 27.66                 | 0.583 | 27.64               | 0.581 |
| 15                          | 16QAM      | 36         | 39           | 27.61              | 0.577 | 27.37                 | 0.546 | 27.38               | 0.547 |
| 15                          | 16QAM      | 75         | 0            | 27.41              | 0.551 | 27.43                 | 0.553 | 27.65               | 0.582 |
| 15                          | 64QAM      | 1          | 0            | 27.89              | 0.615 | 27.90                 | 0.617 | 27.69               | 0.587 |
| 15                          | 64QAM      | 1          | 37           | 27.57              | 0.571 | 27.77                 | 0.598 | 27.65               | 0.582 |
| 15                          | 64QAM      | 1          | 74           | 27.69              | 0.587 | 27.75                 | 0.596 | 27.75               | 0.596 |
| 15                          | 64QAM      | 36         | 0            | 26.54              | 0.451 | 26.60                 | 0.457 | 26.79               | 0.478 |
| 15                          | 64QAM      | 36         | 20           | 26.51              | 0.448 | 26.74                 | 0.472 | 26.55               | 0.452 |
| 15                          | 64QAM      | 36         | 39           | 26.64              | 0.461 | 26.62                 | 0.459 | 26.44               | 0.441 |
| 15                          | 64QAM      | 75         | 0            | 26.49              | 0.446 | 26.47                 | 0.444 | 26.68               | 0.466 |



| LTE Band 41 (Power Class 3) |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]                    | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel                     |            |         |           | 39700             |       | 40620              |       | 41540            |       |
| Frequency (MHz)             |            |         |           | 2501              |       | 2593               |       | 2685             |       |
|                             |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10                          | QPSK       | 1       | 0         | 29.64             | 0.920 | 29.69              | 0.931 | 29.60            | 0.912 |
| 10                          | QPSK       | 1       | 25        | 29.56             | 0.904 | 29.66              | 0.925 | 29.48            | 0.887 |
| 10                          | QPSK       | 1       | 49        | 29.51             | 0.893 | 29.67              | 0.927 | 29.70            | 0.933 |
| 10                          | QPSK       | 25      | 0         | 28.69             | 0.740 | 28.65              | 0.733 | 28.84            | 0.766 |
| 10                          | QPSK       | 25      | 12        | 28.79             | 0.757 | 28.56              | 0.718 | 28.50            | 0.708 |
| 10                          | QPSK       | 25      | 25        | 28.68             | 0.738 | 28.50              | 0.708 | 28.48            | 0.705 |
| 10                          | QPSK       | 50      | 0         | 28.71             | 0.743 | 28.70              | 0.741 | 28.52            | 0.711 |
| 10                          | 16QAM      | 1       | 0         | 28.67             | 0.736 | 28.71              | 0.743 | 28.79            | 0.757 |
| 10                          | 16QAM      | 1       | 25        | 28.80             | 0.759 | 28.77              | 0.753 | 28.84            | 0.766 |
| 10                          | 16QAM      | 1       | 49        | 28.74             | 0.748 | 28.60              | 0.724 | 28.73            | 0.746 |
| 10                          | 16QAM      | 25      | 0         | 27.59             | 0.574 | 27.71              | 0.590 | 27.50            | 0.562 |
| 10                          | 16QAM      | 25      | 12        | 27.67             | 0.585 | 27.74              | 0.594 | 27.72            | 0.592 |
| 10                          | 16QAM      | 25      | 25        | 27.54             | 0.568 | 27.58              | 0.573 | 27.44            | 0.555 |
| 10                          | 16QAM      | 50      | 0         | 27.65             | 0.582 | 27.69              | 0.587 | 27.55            | 0.569 |
| 10                          | 64QAM      | 1       | 0         | 27.71             | 0.590 | 27.95              | 0.624 | 27.77            | 0.598 |
| 10                          | 64QAM      | 1       | 25        | 27.62             | 0.578 | 27.61              | 0.577 | 27.67            | 0.585 |
| 10                          | 64QAM      | 1       | 49        | 27.82             | 0.605 | 27.67              | 0.585 | 27.71            | 0.590 |
| 10                          | 64QAM      | 25      | 0         | 26.49             | 0.446 | 26.69              | 0.467 | 26.63            | 0.460 |
| 10                          | 64QAM      | 25      | 12        | 26.50             | 0.447 | 26.64              | 0.461 | 26.72            | 0.470 |
| 10                          | 64QAM      | 25      | 25        | 26.53             | 0.450 | 26.59              | 0.456 | 26.38            | 0.435 |
| 10                          | 64QAM      | 50      | 0         | 26.72             | 0.470 | 26.54              | 0.451 | 26.74            | 0.472 |



| LTE Band 41 (Power Class 3) |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]                 | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel                     |            |            |              | 39675              |       | 40620                 |       | 41565               |       |
| Frequency (MHz)             |            |            |              | 2498.5             |       | 2593                  |       | 2687.5              |       |
|                             |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5                           | QPSK       | 1          | 0            | 29.69              | 0.931 | 29.67                 | 0.927 | 29.67               | 0.927 |
| 5                           | QPSK       | 1          | 12           | 29.53              | 0.897 | 29.50                 | 0.891 | 29.66               | 0.925 |
| 5                           | QPSK       | 1          | 24           | 29.67              | 0.927 | 29.41                 | 0.873 | 29.52               | 0.895 |
| 5                           | QPSK       | 12         | 0            | 28.61              | 0.726 | 28.52                 | 0.711 | 28.55               | 0.716 |
| 5                           | QPSK       | 12         | 7            | 28.59              | 0.723 | 28.62                 | 0.728 | 28.65               | 0.733 |
| 5                           | QPSK       | 12         | 13           | 28.72              | 0.745 | 28.68                 | 0.738 | 28.65               | 0.733 |
| 5                           | QPSK       | 25         | 0            | 28.69              | 0.740 | 28.45                 | 0.700 | 28.66               | 0.735 |
| 5                           | 16QAM      | 1          | 0            | 28.79              | 0.757 | 28.77                 | 0.753 | 28.73               | 0.746 |
| 5                           | 16QAM      | 1          | 12           | 28.83              | 0.764 | 28.71                 | 0.743 | 28.72               | 0.745 |
| 5                           | 16QAM      | 1          | 24           | 28.76              | 0.752 | 28.71                 | 0.743 | 28.76               | 0.752 |
| 5                           | 16QAM      | 12         | 0            | 27.68              | 0.586 | 27.70                 | 0.589 | 27.79               | 0.601 |
| 5                           | 16QAM      | 12         | 7            | 27.66              | 0.583 | 27.66                 | 0.583 | 27.61               | 0.577 |
| 5                           | 16QAM      | 12         | 13           | 27.51              | 0.564 | 27.59                 | 0.574 | 27.51               | 0.564 |
| 5                           | 16QAM      | 25         | 0            | 27.44              | 0.555 | 27.69                 | 0.587 | 27.52               | 0.565 |
| 5                           | 64QAM      | 1          | 0            | 27.88              | 0.614 | 27.94                 | 0.622 | 27.87               | 0.612 |
| 5                           | 64QAM      | 1          | 12           | 27.63              | 0.579 | 27.74                 | 0.594 | 27.59               | 0.574 |
| 5                           | 64QAM      | 1          | 24           | 27.68              | 0.586 | 27.82                 | 0.605 | 27.57               | 0.571 |
| 5                           | 64QAM      | 12         | 0            | 26.64              | 0.461 | 26.70                 | 0.468 | 26.77               | 0.475 |
| 5                           | 64QAM      | 12         | 7            | 26.49              | 0.446 | 26.66                 | 0.463 | 26.76               | 0.474 |
| 5                           | 64QAM      | 12         | 13           | 26.64              | 0.461 | 26.47                 | 0.444 | 26.70               | 0.468 |
| 5                           | 64QAM      | 25         | 0            | 26.68              | 0.466 | 26.53                 | 0.450 | 26.43               | 0.440 |





| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 132072            |       | 132322             |       | 132572           |       |
| Frequency (MHz) |            |         |           | 1720              |       | 1745               |       | 1770             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 26.79             | 0.478 | 26.88              | 0.488 | 26.85            | 0.484 |
| 20              | QPSK       | 1       | 49        | 26.81             | 0.480 | 26.74              | 0.472 | 26.66            | 0.463 |
| 20              | QPSK       | 1       | 99        | 26.58             | 0.455 | 26.76              | 0.474 | 26.69            | 0.467 |
| 20              | QPSK       | 50      | 0         | 25.86             | 0.385 | 25.97              | 0.395 | 25.95            | 0.394 |
| 20              | QPSK       | 50      | 24        | 25.81             | 0.381 | 25.76              | 0.377 | 25.63            | 0.366 |
| 20              | QPSK       | 50      | 50        | 25.73             | 0.374 | 25.78              | 0.378 | 25.75            | 0.376 |
| 20              | QPSK       | 100     | 0         | 25.62             | 0.365 | 25.86              | 0.385 | 25.75            | 0.376 |
| 20              | 16QAM      | 1       | 0         | 25.80             | 0.380 | 25.92              | 0.391 | 25.90            | 0.389 |
| 20              | 16QAM      | 1       | 49        | 25.63             | 0.366 | 25.78              | 0.378 | 25.83            | 0.383 |
| 20              | 16QAM      | 1       | 99        | 25.76             | 0.377 | 25.73              | 0.374 | 25.78            | 0.378 |
| 20              | 16QAM      | 50      | 0         | 24.88             | 0.308 | 24.93              | 0.311 | 24.79            | 0.301 |
| 20              | 16QAM      | 50      | 24        | 24.88             | 0.308 | 24.69              | 0.294 | 24.91            | 0.310 |
| 20              | 16QAM      | 50      | 50        | 24.59             | 0.288 | 24.83              | 0.304 | 24.67            | 0.293 |
| 20              | 16QAM      | 100     | 0         | 24.79             | 0.301 | 24.65              | 0.292 | 24.83            | 0.304 |
| 20              | 64QAM      | 1       | 0         | 24.89             | 0.308 | 24.87              | 0.307 | 24.81            | 0.303 |
| 20              | 64QAM      | 1       | 49        | 24.77             | 0.300 | 24.83              | 0.304 | 24.77            | 0.300 |
| 20              | 64QAM      | 1       | 99        | 24.63             | 0.290 | 24.72              | 0.296 | 24.74            | 0.298 |
| 20              | 64QAM      | 50      | 0         | 23.80             | 0.240 | 23.91              | 0.246 | 23.78            | 0.239 |
| 20              | 64QAM      | 50      | 24        | 23.70             | 0.234 | 23.63              | 0.231 | 23.83            | 0.242 |
| 20              | 64QAM      | 50      | 50        | 23.64             | 0.231 | 23.67              | 0.233 | 23.86            | 0.243 |
| 20              | 64QAM      | 100     | 0         | 23.84             | 0.242 | 23.76              | 0.238 | 23.80            | 0.240 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 132047            |       | 132322             |       | 132597           |       |
| Frequency (MHz) |            |         |           | 1717.5            |       | 1745               |       | 1772.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 26.80             | 0.479 | 26.82              | 0.481 | 26.75            | 0.473 |
| 15              | QPSK       | 1       | 37        | 26.79             | 0.478 | 26.75              | 0.473 | 26.77            | 0.475 |
| 15              | QPSK       | 1       | 74        | 26.70             | 0.468 | 26.73              | 0.471 | 26.73            | 0.471 |
| 15              | QPSK       | 36      | 0         | 25.83             | 0.383 | 25.94              | 0.393 | 25.93            | 0.392 |
| 15              | QPSK       | 36      | 20        | 25.70             | 0.372 | 25.77              | 0.378 | 25.69            | 0.371 |
| 15              | QPSK       | 36      | 39        | 25.66             | 0.368 | 25.82              | 0.382 | 25.72            | 0.373 |
| 15              | QPSK       | 75      | 0         | 25.57             | 0.361 | 25.66              | 0.368 | 25.77            | 0.378 |
| 15              | 16QAM      | 1       | 0         | 25.82             | 0.382 | 25.92              | 0.391 | 25.92            | 0.391 |
| 15              | 16QAM      | 1       | 37        | 25.77             | 0.378 | 25.87              | 0.386 | 25.83            | 0.383 |
| 15              | 16QAM      | 1       | 74        | 25.89             | 0.388 | 25.93              | 0.392 | 25.85            | 0.385 |
| 15              | 16QAM      | 36      | 0         | 24.78             | 0.301 | 24.90              | 0.309 | 24.80            | 0.302 |
| 15              | 16QAM      | 36      | 20        | 24.73             | 0.297 | 24.87              | 0.307 | 25.02            | 0.318 |
| 15              | 16QAM      | 36      | 39        | 24.70             | 0.295 | 24.74              | 0.298 | 24.94            | 0.312 |
| 15              | 16QAM      | 75      | 0         | 24.74             | 0.298 | 24.72              | 0.296 | 24.58            | 0.287 |
| 15              | 64QAM      | 1       | 0         | 24.80             | 0.302 | 24.90              | 0.309 | 24.81            | 0.303 |
| 15              | 64QAM      | 1       | 37        | 24.71             | 0.296 | 24.81              | 0.303 | 24.68            | 0.294 |
| 15              | 64QAM      | 1       | 74        | 24.84             | 0.305 | 24.88              | 0.308 | 24.90            | 0.309 |
| 15              | 64QAM      | 36      | 0         | 23.72             | 0.236 | 23.82              | 0.241 | 23.89            | 0.245 |
| 15              | 64QAM      | 36      | 20        | 23.80             | 0.240 | 23.83              | 0.242 | 23.63            | 0.231 |
| 15              | 64QAM      | 36      | 39        | 23.65             | 0.232 | 23.91              | 0.246 | 23.76            | 0.238 |
| 15              | 64QAM      | 75      | 0         | 23.58             | 0.228 | 23.78              | 0.239 | 23.91            | 0.246 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 132022            |       | 132322             |       | 132622           |       |
| Frequency (MHz) |            |         |           | 1715              |       | 1745               |       | 1775             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 26.81             | 0.480 | 26.86              | 0.485 | 26.82            | 0.481 |
| 10              | QPSK       | 1       | 25        | 26.68             | 0.466 | 26.76              | 0.474 | 26.66            | 0.463 |
| 10              | QPSK       | 1       | 49        | 26.69             | 0.467 | 26.82              | 0.481 | 26.60            | 0.457 |
| 10              | QPSK       | 25      | 0         | 25.69             | 0.371 | 25.96              | 0.394 | 25.81            | 0.381 |
| 10              | QPSK       | 25      | 12        | 25.89             | 0.388 | 25.94              | 0.393 | 25.92            | 0.391 |
| 10              | QPSK       | 25      | 25        | 25.73             | 0.374 | 25.68              | 0.370 | 25.73            | 0.374 |
| 10              | QPSK       | 50      | 0         | 25.76             | 0.377 | 25.98              | 0.396 | 25.68            | 0.370 |
| 10              | 16QAM      | 1       | 0         | 25.83             | 0.383 | 25.87              | 0.386 | 25.89            | 0.388 |
| 10              | 16QAM      | 1       | 25        | 25.90             | 0.389 | 25.83              | 0.383 | 25.82            | 0.382 |
| 10              | 16QAM      | 1       | 49        | 25.75             | 0.376 | 25.76              | 0.377 | 25.90            | 0.389 |
| 10              | 16QAM      | 25      | 0         | 24.89             | 0.308 | 24.95              | 0.313 | 24.93            | 0.311 |
| 10              | 16QAM      | 25      | 12        | 24.72             | 0.296 | 24.93              | 0.311 | 24.69            | 0.294 |
| 10              | 16QAM      | 25      | 25        | 24.66             | 0.292 | 24.60              | 0.288 | 24.74            | 0.298 |
| 10              | 16QAM      | 50      | 0         | 24.76             | 0.299 | 24.84              | 0.305 | 24.67            | 0.293 |
| 10              | 64QAM      | 1       | 0         | 24.83             | 0.304 | 24.95              | 0.313 | 24.92            | 0.310 |
| 10              | 64QAM      | 1       | 25        | 24.69             | 0.294 | 24.74              | 0.298 | 24.82            | 0.303 |
| 10              | 64QAM      | 1       | 49        | 24.64             | 0.291 | 24.78              | 0.301 | 24.83            | 0.304 |
| 10              | 64QAM      | 25      | 0         | 23.59             | 0.229 | 23.84              | 0.242 | 23.70            | 0.234 |
| 10              | 64QAM      | 25      | 12        | 23.72             | 0.236 | 23.80              | 0.240 | 23.84            | 0.242 |
| 10              | 64QAM      | 25      | 25        | 23.66             | 0.232 | 23.82              | 0.241 | 23.61            | 0.230 |
| 10              | 64QAM      | 50      | 0         | 23.76             | 0.238 | 23.87              | 0.244 | 23.61            | 0.230 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 131997            |       | 132322             |       | 132647           |       |
| Frequency (MHz) |            |         |           | 1712.5            |       | 1745               |       | 1777.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 26.73             | 0.471 | 26.85              | 0.484 | 26.80            | 0.479 |
| 5               | QPSK       | 1       | 12        | 26.84             | 0.483 | 26.78              | 0.476 | 26.78            | 0.476 |
| 5               | QPSK       | 1       | 24        | 26.78             | 0.476 | 26.83              | 0.482 | 26.57            | 0.454 |
| 5               | QPSK       | 12      | 0         | 25.79             | 0.379 | 25.83              | 0.383 | 25.83            | 0.383 |
| 5               | QPSK       | 12      | 7         | 25.87             | 0.386 | 25.70              | 0.372 | 25.65            | 0.367 |
| 5               | QPSK       | 12      | 13        | 25.67             | 0.369 | 25.69              | 0.371 | 25.58            | 0.361 |
| 5               | QPSK       | 25      | 0         | 25.71             | 0.372 | 25.72              | 0.373 | 25.86            | 0.385 |
| 5               | 16QAM      | 1       | 0         | 25.95             | 0.394 | 25.93              | 0.392 | 25.80            | 0.380 |
| 5               | 16QAM      | 1       | 12        | 25.90             | 0.389 | 25.82              | 0.382 | 25.79            | 0.379 |
| 5               | 16QAM      | 1       | 24        | 25.66             | 0.368 | 25.84              | 0.384 | 25.73            | 0.374 |
| 5               | 16QAM      | 12      | 0         | 24.78             | 0.301 | 24.76              | 0.299 | 24.83            | 0.304 |
| 5               | 16QAM      | 12      | 7         | 24.71             | 0.296 | 24.82              | 0.303 | 24.88            | 0.308 |
| 5               | 16QAM      | 12      | 13        | 24.58             | 0.287 | 24.64              | 0.291 | 24.61            | 0.289 |
| 5               | 16QAM      | 25      | 0         | 24.47             | 0.280 | 24.67              | 0.293 | 24.72            | 0.296 |
| 5               | 64QAM      | 1       | 0         | 24.75             | 0.299 | 24.86              | 0.306 | 24.79            | 0.301 |
| 5               | 64QAM      | 1       | 12        | 24.96             | 0.313 | 24.91              | 0.310 | 24.89            | 0.308 |
| 5               | 64QAM      | 1       | 24        | 24.59             | 0.288 | 24.70              | 0.295 | 24.80            | 0.302 |
| 5               | 64QAM      | 12      | 0         | 23.90             | 0.245 | 23.77              | 0.238 | 23.84            | 0.242 |
| 5               | 64QAM      | 12      | 7         | 23.73             | 0.236 | 23.87              | 0.244 | 23.85            | 0.243 |
| 5               | 64QAM      | 12      | 13        | 23.66             | 0.232 | 23.82              | 0.241 | 23.85            | 0.243 |
| 5               | 64QAM      | 25      | 0         | 23.63             | 0.231 | 23.77              | 0.238 | 23.72            | 0.236 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 131987            |       | 132322             |       | 132657           |       |
| Frequency (MHz) |            |         |           | 1711.5            |       | 1745               |       | 1778.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 26.75             | 0.473 | 26.84              | 0.483 | 26.75            | 0.473 |
| 3               | QPSK       | 1       | 8         | 26.66             | 0.463 | 26.78              | 0.476 | 26.66            | 0.463 |
| 3               | QPSK       | 1       | 14        | 26.67             | 0.465 | 26.70              | 0.468 | 26.82            | 0.481 |
| 3               | QPSK       | 8       | 0         | 25.72             | 0.373 | 25.84              | 0.384 | 25.85            | 0.385 |
| 3               | QPSK       | 8       | 4         | 25.82             | 0.382 | 25.86              | 0.385 | 25.78            | 0.378 |
| 3               | QPSK       | 8       | 7         | 25.64             | 0.366 | 25.71              | 0.372 | 25.53            | 0.357 |
| 3               | QPSK       | 15      | 0         | 25.81             | 0.381 | 25.67              | 0.369 | 25.70            | 0.372 |
| 3               | 16QAM      | 1       | 0         | 25.84             | 0.384 | 25.93              | 0.392 | 25.91            | 0.390 |
| 3               | 16QAM      | 1       | 8         | 25.94             | 0.393 | 25.90              | 0.389 | 25.76            | 0.377 |
| 3               | 16QAM      | 1       | 14        | 25.75             | 0.376 | 25.89              | 0.388 | 25.84            | 0.384 |
| 3               | 16QAM      | 8       | 0         | 24.75             | 0.299 | 24.78              | 0.301 | 24.97            | 0.314 |
| 3               | 16QAM      | 8       | 4         | 24.76             | 0.299 | 24.79              | 0.301 | 24.95            | 0.313 |
| 3               | 16QAM      | 8       | 7         | 24.69             | 0.294 | 24.64              | 0.291 | 24.77            | 0.300 |
| 3               | 16QAM      | 15      | 0         | 24.72             | 0.296 | 24.87              | 0.307 | 24.60            | 0.288 |
| 3               | 64QAM      | 1       | 0         | 24.80             | 0.302 | 24.94              | 0.312 | 24.88            | 0.308 |
| 3               | 64QAM      | 1       | 8         | 24.89             | 0.308 | 24.89              | 0.308 | 24.89            | 0.308 |
| 3               | 64QAM      | 1       | 14        | 24.65             | 0.292 | 24.76              | 0.299 | 24.80            | 0.302 |
| 3               | 64QAM      | 8       | 0         | 23.76             | 0.238 | 23.88              | 0.244 | 23.90            | 0.245 |
| 3               | 64QAM      | 8       | 4         | 23.69             | 0.234 | 23.73              | 0.236 | 23.69            | 0.234 |
| 3               | 64QAM      | 8       | 7         | 23.68             | 0.233 | 23.77              | 0.238 | 23.63            | 0.231 |
| 3               | 64QAM      | 15      | 0         | 23.71             | 0.235 | 23.82              | 0.241 | 23.94            | 0.248 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 131979            |       | 132322             |       | 132665           |       |
| Frequency (MHz) |            |         |           | 1710.7            |       | 1745               |       | 1779.3           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 26.77             | 0.475 | 26.83              | 0.482 | 26.72            | 0.470 |
| 1.4             | QPSK       | 1       | 3         | 26.64             | 0.461 | 26.79              | 0.478 | 26.76            | 0.474 |
| 1.4             | QPSK       | 1       | 5         | 26.67             | 0.465 | 26.72              | 0.470 | 26.68            | 0.466 |
| 1.4             | QPSK       | 3       | 0         | 25.72             | 0.373 | 25.79              | 0.379 | 25.74            | 0.375 |
| 1.4             | QPSK       | 3       | 1         | 25.73             | 0.374 | 25.72              | 0.373 | 25.93            | 0.392 |
| 1.4             | QPSK       | 3       | 3         | 25.80             | 0.380 | 25.87              | 0.386 | 25.76            | 0.377 |
| 1.4             | QPSK       | 6       | 0         | 25.84             | 0.384 | 25.67              | 0.369 | 25.87            | 0.386 |
| 1.4             | 16QAM      | 1       | 0         | 25.88             | 0.387 | 25.90              | 0.389 | 25.86            | 0.385 |
| 1.4             | 16QAM      | 1       | 3         | 25.76             | 0.377 | 25.89              | 0.388 | 25.81            | 0.381 |
| 1.4             | 16QAM      | 1       | 5         | 25.62             | 0.365 | 25.94              | 0.393 | 25.84            | 0.384 |
| 1.4             | 16QAM      | 3       | 0         | 24.64             | 0.291 | 24.83              | 0.304 | 24.78            | 0.301 |
| 1.4             | 16QAM      | 3       | 1         | 24.72             | 0.296 | 24.92              | 0.310 | 24.92            | 0.310 |
| 1.4             | 16QAM      | 3       | 3         | 24.59             | 0.288 | 24.76              | 0.299 | 24.90            | 0.309 |
| 1.4             | 16QAM      | 6       | 0         | 24.72             | 0.296 | 24.90              | 0.309 | 24.75            | 0.299 |
| 1.4             | 64QAM      | 1       | 0         | 24.78             | 0.301 | 24.93              | 0.311 | 24.87            | 0.307 |
| 1.4             | 64QAM      | 1       | 3         | 24.91             | 0.310 | 24.85              | 0.305 | 24.88            | 0.308 |
| 1.4             | 64QAM      | 1       | 5         | 24.63             | 0.290 | 24.75              | 0.299 | 24.79            | 0.301 |
| 1.4             | 64QAM      | 3       | 0         | 23.72             | 0.236 | 23.96              | 0.249 | 23.97            | 0.249 |
| 1.4             | 64QAM      | 3       | 1         | 23.64             | 0.231 | 23.82              | 0.241 | 23.92            | 0.247 |
| 1.4             | 64QAM      | 3       | 3         | 23.65             | 0.232 | 23.67              | 0.233 | 23.60            | 0.229 |
| 1.4             | 64QAM      | 6       | 0         | 23.61             | 0.230 | 23.65              | 0.232 | 23.77            | 0.238 |



| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133222             |       | 133322                |       | 133372              |       |
| Frequency (MHz) |            |            |              | 673                |       | 683                   |       | 688                 |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 20              | QPSK       | 1          | 0            | 23.10              | 0.204 | 23.20                 | 0.209 | 23.12               | 0.205 |
| 20              | QPSK       | 1          | 49           | 23.09              | 0.204 | 23.17                 | 0.207 | 23.08               | 0.203 |
| 20              | QPSK       | 1          | 99           | 23.05              | 0.202 | 23.03                 | 0.201 | 22.96               | 0.198 |
| 20              | QPSK       | 50         | 0            | 22.27              | 0.169 | 22.16                 | 0.164 | 22.24               | 0.167 |
| 20              | QPSK       | 50         | 24           | 22.01              | 0.159 | 22.26                 | 0.168 | 22.04               | 0.160 |
| 20              | QPSK       | 50         | 50           | 21.95              | 0.157 | 22.07                 | 0.161 | 21.98               | 0.158 |
| 20              | QPSK       | 100        | 0            | 22.00              | 0.158 | 21.91                 | 0.155 | 22.04               | 0.160 |
| 20              | 16QAM      | 1          | 0            | 22.20              | 0.166 | 22.33                 | 0.171 | 22.23               | 0.167 |
| 20              | 16QAM      | 1          | 49           | 22.11              | 0.163 | 22.15                 | 0.164 | 22.03               | 0.160 |
| 20              | 16QAM      | 1          | 99           | 22.01              | 0.159 | 22.20                 | 0.166 | 22.06               | 0.161 |
| 20              | 16QAM      | 50         | 0            | 21.19              | 0.132 | 21.20                 | 0.132 | 21.09               | 0.129 |
| 20              | 16QAM      | 50         | 24           | 21.15              | 0.130 | 20.96                 | 0.125 | 20.98               | 0.125 |
| 20              | 16QAM      | 50         | 50           | 20.99              | 0.126 | 21.03                 | 0.127 | 20.95               | 0.124 |
| 20              | 16QAM      | 100        | 0            | 20.99              | 0.126 | 21.16                 | 0.131 | 21.13               | 0.130 |
| 20              | 64QAM      | 1          | 0            | 21.27              | 0.134 | 21.27                 | 0.134 | 21.05               | 0.127 |
| 20              | 64QAM      | 1          | 49           | 21.14              | 0.130 | 21.35                 | 0.136 | 21.27               | 0.134 |
| 20              | 64QAM      | 1          | 99           | 21.08              | 0.128 | 21.22                 | 0.132 | 21.13               | 0.130 |
| 20              | 64QAM      | 50         | 0            | 20.10              | 0.102 | 20.17                 | 0.104 | 20.12               | 0.103 |
| 20              | 64QAM      | 50         | 24           | 19.91              | 0.098 | 20.23                 | 0.105 | 20.04               | 0.101 |
| 20              | 64QAM      | 50         | 50           | 20.02              | 0.100 | 20.10                 | 0.102 | 20.03               | 0.101 |
| 20              | 64QAM      | 100        | 0            | 20.07              | 0.102 | 20.19                 | 0.104 | 20.24               | 0.106 |



| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133197             |       | 133297                |       | 133397              |       |
| Frequency (MHz) |            |            |              | 670.5              |       | 680.5                 |       | 690.5               |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 15              | QPSK       | 1          | 0            | 23.09              | 0.204 | 23.17                 | 0.207 | 23.12               | 0.205 |
| 15              | QPSK       | 1          | 37           | 23.03              | 0.201 | 23.16                 | 0.207 | 23.11               | 0.205 |
| 15              | QPSK       | 1          | 74           | 23.09              | 0.204 | 23.10                 | 0.204 | 23.07               | 0.203 |
| 15              | QPSK       | 36         | 0            | 22.28              | 0.169 | 22.30                 | 0.170 | 22.19               | 0.166 |
| 15              | QPSK       | 36         | 20           | 22.15              | 0.164 | 22.12                 | 0.163 | 22.12               | 0.163 |
| 15              | QPSK       | 36         | 39           | 21.95              | 0.157 | 22.14                 | 0.164 | 21.96               | 0.157 |
| 15              | QPSK       | 75         | 0            | 21.85              | 0.153 | 21.91                 | 0.155 | 21.88               | 0.154 |
| 15              | 16QAM      | 1          | 0            | 22.36              | 0.172 | 22.41                 | 0.174 | 22.18               | 0.165 |
| 15              | 16QAM      | 1          | 37           | 22.16              | 0.164 | 22.40                 | 0.174 | 22.25               | 0.168 |
| 15              | 16QAM      | 1          | 74           | 22.11              | 0.163 | 22.28                 | 0.169 | 22.17               | 0.165 |
| 15              | 16QAM      | 36         | 0            | 21.07              | 0.128 | 21.16                 | 0.131 | 21.15               | 0.130 |
| 15              | 16QAM      | 36         | 20           | 21.02              | 0.126 | 21.15                 | 0.130 | 21.13               | 0.130 |
| 15              | 16QAM      | 36         | 39           | 20.99              | 0.126 | 20.91                 | 0.123 | 21.20               | 0.132 |
| 15              | 16QAM      | 75         | 0            | 21.11              | 0.129 | 21.17                 | 0.131 | 21.06               | 0.128 |
| 15              | 64QAM      | 1          | 0            | 21.19              | 0.132 | 21.39                 | 0.138 | 21.17               | 0.131 |
| 15              | 64QAM      | 1          | 37           | 21.22              | 0.132 | 21.26                 | 0.134 | 21.15               | 0.130 |
| 15              | 64QAM      | 1          | 74           | 21.20              | 0.132 | 21.07                 | 0.128 | 21.21               | 0.132 |
| 15              | 64QAM      | 36         | 0            | 20.06              | 0.101 | 20.12                 | 0.103 | 19.95               | 0.099 |
| 15              | 64QAM      | 36         | 20           | 19.87              | 0.097 | 20.15                 | 0.104 | 19.98               | 0.100 |
| 15              | 64QAM      | 36         | 39           | 20.06              | 0.101 | 19.87                 | 0.097 | 20.00               | 0.100 |
| 15              | 64QAM      | 75         | 0            | 20.12              | 0.103 | 20.03                 | 0.101 | 19.95               | 0.099 |





| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133172             |       | 133297                |       | 133422              |       |
| Frequency (MHz) |            |            |              | 668                |       | 680.5                 |       | 693                 |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1          | 0            | 23.04              | 0.201 | 23.16                 | 0.207 | 23.13               | 0.206 |
| 10              | QPSK       | 1          | 25           | 23.09              | 0.204 | 22.94                 | 0.197 | 23.00               | 0.200 |
| 10              | QPSK       | 1          | 49           | 23.07              | 0.203 | 22.93                 | 0.196 | 23.08               | 0.203 |
| 10              | QPSK       | 25         | 0            | 22.21              | 0.166 | 22.25                 | 0.168 | 22.14               | 0.164 |
| 10              | QPSK       | 25         | 12           | 22.11              | 0.163 | 22.23                 | 0.167 | 21.98               | 0.158 |
| 10              | QPSK       | 25         | 25           | 21.92              | 0.156 | 21.96                 | 0.157 | 21.90               | 0.155 |
| 10              | QPSK       | 50         | 0            | 22.03              | 0.160 | 22.12                 | 0.163 | 22.21               | 0.166 |
| 10              | 16QAM      | 1          | 0            | 22.37              | 0.173 | 22.38                 | 0.173 | 22.29               | 0.169 |
| 10              | 16QAM      | 1          | 25           | 22.11              | 0.163 | 22.21                 | 0.166 | 22.29               | 0.169 |
| 10              | 16QAM      | 1          | 49           | 22.09              | 0.162 | 22.04                 | 0.160 | 22.11               | 0.163 |
| 10              | 16QAM      | 25         | 0            | 21.11              | 0.129 | 21.19                 | 0.132 | 21.27               | 0.134 |
| 10              | 16QAM      | 25         | 12           | 20.95              | 0.124 | 21.12                 | 0.129 | 21.20               | 0.132 |
| 10              | 16QAM      | 25         | 25           | 20.99              | 0.126 | 21.04                 | 0.127 | 21.11               | 0.129 |
| 10              | 16QAM      | 50         | 0            | 21.09              | 0.129 | 20.98                 | 0.125 | 21.14               | 0.130 |
| 10              | 64QAM      | 1          | 0            | 21.09              | 0.129 | 21.28                 | 0.134 | 21.30               | 0.135 |
| 10              | 64QAM      | 1          | 25           | 21.20              | 0.132 | 21.08                 | 0.128 | 21.10               | 0.129 |
| 10              | 64QAM      | 1          | 49           | 21.17              | 0.131 | 21.25                 | 0.133 | 21.10               | 0.129 |
| 10              | 64QAM      | 25         | 0            | 20.17              | 0.104 | 20.18                 | 0.104 | 20.11               | 0.103 |
| 10              | 64QAM      | 25         | 12           | 19.98              | 0.100 | 20.04                 | 0.101 | 20.13               | 0.103 |
| 10              | 64QAM      | 25         | 25           | 20.03              | 0.101 | 19.96                 | 0.099 | 19.94               | 0.099 |
| 10              | 64QAM      | 50         | 0            | 20.06              | 0.101 | 20.15                 | 0.104 | 20.19               | 0.104 |



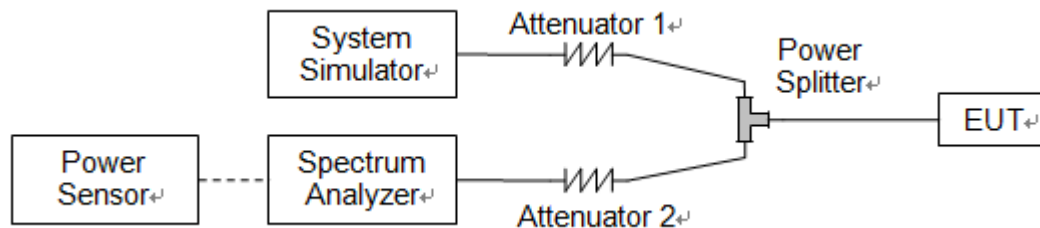
| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133147             |       | 133297                |       | 133447              |       |
| Frequency (MHz) |            |            |              | 665.5              |       | 680.5                 |       | 695.5               |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1          | 0            | 23.14              | 0.206 | 23.15                 | 0.207 | 22.94               | 0.197 |
| 5               | QPSK       | 1          | 12           | 22.86              | 0.193 | 23.12                 | 0.205 | 23.04               | 0.201 |
| 5               | QPSK       | 1          | 24           | 22.92              | 0.196 | 22.95                 | 0.197 | 22.87               | 0.194 |
| 5               | QPSK       | 12         | 0            | 21.97              | 0.157 | 22.16                 | 0.164 | 22.16               | 0.164 |
| 5               | QPSK       | 12         | 7            | 21.85              | 0.153 | 21.95                 | 0.157 | 22.08               | 0.161 |
| 5               | QPSK       | 12         | 13           | 21.85              | 0.153 | 22.11                 | 0.163 | 21.99               | 0.158 |
| 5               | QPSK       | 25         | 0            | 22.05              | 0.160 | 22.21                 | 0.166 | 22.15               | 0.164 |
| 5               | 16QAM      | 1          | 0            | 22.25              | 0.168 | 22.41                 | 0.174 | 22.32               | 0.171 |
| 5               | 16QAM      | 1          | 12           | 22.10              | 0.162 | 22.12                 | 0.163 | 22.07               | 0.161 |
| 5               | 16QAM      | 1          | 24           | 22.10              | 0.162 | 22.12                 | 0.163 | 22.03               | 0.160 |
| 5               | 16QAM      | 12         | 0            | 21.10              | 0.129 | 21.12                 | 0.129 | 21.14               | 0.130 |
| 5               | 16QAM      | 12         | 7            | 20.87              | 0.122 | 20.96                 | 0.125 | 21.06               | 0.128 |
| 5               | 16QAM      | 12         | 13           | 21.04              | 0.127 | 21.03                 | 0.127 | 21.01               | 0.126 |
| 5               | 16QAM      | 25         | 0            | 21.10              | 0.129 | 21.04                 | 0.127 | 21.05               | 0.127 |
| 5               | 64QAM      | 1          | 0            | 21.21              | 0.132 | 21.17                 | 0.131 | 21.04               | 0.127 |
| 5               | 64QAM      | 1          | 12           | 21.03              | 0.127 | 21.03                 | 0.127 | 21.17               | 0.131 |
| 5               | 64QAM      | 1          | 24           | 20.96              | 0.125 | 21.20                 | 0.132 | 21.22               | 0.132 |
| 5               | 64QAM      | 12         | 0            | 20.00              | 0.100 | 20.16                 | 0.104 | 20.06               | 0.101 |
| 5               | 64QAM      | 12         | 7            | 20.15              | 0.104 | 20.14                 | 0.103 | 20.04               | 0.101 |
| 5               | 64QAM      | 12         | 13           | 19.87              | 0.097 | 19.90                 | 0.098 | 20.03               | 0.101 |
| 5               | 64QAM      | 25         | 0            | 20.08              | 0.102 | 20.13                 | 0.103 | 20.22               | 0.105 |

## 2.2. Occupied Bandwidth

### 2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

### 2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

### 2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

### 2.2.4. Test Result



| LTE Band 2 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.10        | 1.24         |
|            | Low           | 16QAM      | 1.09        | 1.23         |
|            | Low           | 64QAM      | 1.09        | 1.24         |
|            | Mid           | QPSK       | 1.10        | 1.24         |
|            | Mid           | 16QAM      | 1.10        | 1.23         |
|            | Mid           | 64QAM      | 1.10        | 1.24         |
|            | High          | QPSK       | 1.09        | 1.23         |
|            | High          | 16QAM      | 1.09        | 1.24         |
|            | High          | 64QAM      | 1.09        | 1.24         |
| 3          | Low           | QPSK       | 2.70        | 2.99         |
|            | Low           | 16QAM      | 2.71        | 3.00         |
|            | Low           | 64QAM      | 2.71        | 3.01         |
|            | Mid           | QPSK       | 2.70        | 2.97         |
|            | Mid           | 16QAM      | 2.70        | 3.00         |
|            | Mid           | 64QAM      | 2.71        | 2.99         |
|            | High          | QPSK       | 2.70        | 3.00         |
|            | High          | 16QAM      | 2.70        | 2.99         |
|            | High          | 64QAM      | 2.71        | 2.99         |
| 5          | Low           | QPSK       | 4.50        | 4.98         |
|            | Low           | 16QAM      | 4.51        | 4.96         |
|            | Low           | 64QAM      | 4.51        | 4.96         |
|            | Mid           | QPSK       | 4.50        | 4.97         |
|            | Mid           | 16QAM      | 4.50        | 4.97         |
|            | Mid           | 64QAM      | 4.50        | 4.96         |
|            | High          | QPSK       | 4.50        | 4.97         |
|            | High          | 16QAM      | 4.51        | 4.99         |
|            | High          | 64QAM      | 4.51        | 4.93         |
| 10         | Low           | QPSK       | 9.01        | 9.82         |
|            | Low           | 16QAM      | 8.97        | 9.75         |
|            | Low           | 64QAM      | 8.99        | 9.78         |
|            | Mid           | QPSK       | 8.99        | 9.80         |
|            | Mid           | 16QAM      | 8.97        | 9.73         |
|            | Mid           | 64QAM      | 8.99        | 9.87         |
|            | High          | QPSK       | 8.98        | 9.79         |
|            | High          | 16QAM      | 8.96        | 9.73         |
|            | High          | 64QAM      | 8.98        | 9.85         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.48 | 14.64 |
|    | Low  | 16QAM | 13.45 | 14.65 |
|    | Low  | 64QAM | 13.46 | 14.60 |
|    | Mid  | QPSK  | 13.63 | 14.44 |
|    | Mid  | 16QAM | 13.47 | 14.71 |
|    | Mid  | 64QAM | 13.45 | 14.65 |
|    | High | QPSK  | 13.44 | 14.66 |
|    | High | 16QAM | 13.45 | 14.61 |
|    | High | 64QAM | 13.43 | 14.55 |
| 20 | Low  | QPSK  | 17.90 | 19.33 |
|    | Low  | 16QAM | 18.16 | 19.06 |
|    | Low  | 64QAM | 17.90 | 19.45 |
|    | Mid  | QPSK  | 17.95 | 19.50 |
|    | Mid  | 16QAM | 17.94 | 19.53 |
|    | Mid  | 64QAM | 17.95 | 19.54 |
|    | High | QPSK  | 17.91 | 19.56 |
|    | High | 16QAM | 17.94 | 19.47 |
|    | High | 64QAM | 17.92 | 19.45 |



| LTE Band 4 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.09        | 1.23         |
|            | Low           | 16QAM      | 1.10        | 1.24         |
|            | Low           | 64QAM      | 1.10        | 1.24         |
|            | Mid           | QPSK       | 1.09        | 1.23         |
|            | Mid           | 16QAM      | 1.10        | 1.23         |
|            | Mid           | 64QAM      | 1.09        | 1.23         |
|            | High          | QPSK       | 1.09        | 1.23         |
|            | High          | 16QAM      | 1.09        | 1.24         |
|            | High          | 64QAM      | 1.09        | 1.24         |
| 3          | Low           | QPSK       | 2.70        | 3.00         |
|            | Low           | 16QAM      | 2.71        | 3.01         |
|            | Low           | 64QAM      | 2.71        | 3.00         |
|            | Mid           | QPSK       | 2.70        | 3.01         |
|            | Mid           | 16QAM      | 2.70        | 3.00         |
|            | Mid           | 64QAM      | 2.71        | 3.02         |
|            | High          | QPSK       | 2.70        | 2.99         |
|            | High          | 16QAM      | 2.70        | 3.02         |
|            | High          | 64QAM      | 2.71        | 3.00         |
| 5          | Low           | QPSK       | 4.50        | 4.97         |
|            | Low           | 16QAM      | 4.50        | 4.95         |
|            | Low           | 64QAM      | 4.50        | 4.95         |
|            | Mid           | QPSK       | 4.51        | 5.00         |
|            | Mid           | 16QAM      | 4.51        | 4.97         |
|            | Mid           | 64QAM      | 4.51        | 4.97         |
|            | High          | QPSK       | 4.50        | 4.99         |
|            | High          | 16QAM      | 4.51        | 4.97         |
|            | High          | 64QAM      | 4.50        | 4.94         |
| 10         | Low           | QPSK       | 9.00        | 9.81         |
|            | Low           | 16QAM      | 8.98        | 9.75         |
|            | Low           | 64QAM      | 8.98        | 9.80         |
|            | Mid           | QPSK       | 8.98        | 9.83         |
|            | Mid           | 16QAM      | 8.95        | 9.76         |
|            | Mid           | 64QAM      | 8.97        | 9.84         |
|            | High          | QPSK       | 9.01        | 9.80         |
|            | High          | 16QAM      | 8.98        | 9.72         |
|            | High          | 64QAM      | 8.97        | 9.83         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.50 | 14.65 |
|    | Low  | 16QAM | 13.47 | 14.62 |
|    | Low  | 64QAM | 13.46 | 14.60 |
|    | Mid  | QPSK  | 13.48 | 14.64 |
|    | Mid  | 16QAM | 13.43 | 14.64 |
|    | Mid  | 64QAM | 13.44 | 14.62 |
|    | High | QPSK  | 13.48 | 14.66 |
|    | High | 16QAM | 13.48 | 14.67 |
|    | High | 64QAM | 13.47 | 14.67 |
| 20 | Low  | QPSK  | 17.96 | 19.46 |
|    | Low  | 16QAM | 17.96 | 19.39 |
|    | Low  | 64QAM | 17.97 | 19.50 |
|    | Mid  | QPSK  | 17.93 | 19.54 |
|    | Mid  | 16QAM | 17.92 | 19.39 |
|    | Mid  | 64QAM | 17.93 | 19.38 |
|    | High | QPSK  | 17.98 | 19.59 |
|    | High | 16QAM | 17.99 | 19.54 |
|    | High | 64QAM | 17.99 | 19.52 |

| LTE Band 5 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.09        | 1.25         |
|            | Low           | 16QAM      | 1.09        | 1.24         |
|            | Low           | 64QAM      | 1.10        | 1.24         |
|            | Mid           | QPSK       | 1.10        | 1.24         |
|            | Mid           | 16QAM      | 1.09        | 1.24         |
|            | Mid           | 64QAM      | 1.10        | 1.23         |
|            | High          | QPSK       | 1.09        | 1.24         |
|            | High          | 16QAM      | 1.10        | 1.24         |
|            | High          | 64QAM      | 1.09        | 1.23         |
| 3          | Low           | QPSK       | 2.70        | 2.99         |
|            | Low           | 16QAM      | 2.70        | 3.01         |
|            | Low           | 64QAM      | 2.70        | 2.98         |
|            | Mid           | QPSK       | 2.70        | 2.98         |
|            | Mid           | 16QAM      | 2.71        | 3.01         |
|            | Mid           | 64QAM      | 2.70        | 3.00         |
|            | High          | QPSK       | 2.70        | 2.99         |
|            | High          | 16QAM      | 2.70        | 3.00         |
|            | High          | 64QAM      | 2.71        | 2.97         |
| 5          | Low           | QPSK       | 4.50        | 4.98         |
|            | Low           | 16QAM      | 4.51        | 4.96         |
|            | Low           | 64QAM      | 4.52        | 4.96         |
|            | Mid           | QPSK       | 4.50        | 4.96         |
|            | Mid           | 16QAM      | 4.51        | 4.97         |
|            | Mid           | 64QAM      | 4.51        | 4.99         |
|            | High          | QPSK       | 4.50        | 4.98         |
|            | High          | 16QAM      | 4.51        | 4.96         |
|            | High          | 64QAM      | 4.51        | 4.94         |
| 10         | Low           | QPSK       | 9.01        | 9.82         |
|            | Low           | 16QAM      | 8.96        | 9.79         |
|            | Low           | 64QAM      | 8.98        | 9.80         |
|            | Mid           | QPSK       | 9.00        | 9.81         |
|            | Mid           | 16QAM      | 8.96        | 9.77         |
|            | Mid           | 64QAM      | 8.98        | 9.84         |
|            | High          | QPSK       | 8.98        | 9.80         |
|            | High          | 16QAM      | 8.94        | 9.73         |
|            | High          | 64QAM      | 8.96        | 9.77         |





| LTE Band 7 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5          | Low           | QPSK       | 4.50        | 4.98         |
|            | Low           | 16QAM      | 4.51        | 4.98         |
|            | Low           | 64QAM      | 4.52        | 4.96         |
|            | Mid           | QPSK       | 4.51        | 5.02         |
|            | Mid           | 16QAM      | 4.51        | 4.95         |
|            | Mid           | 64QAM      | 4.51        | 5.01         |
|            | High          | QPSK       | 4.51        | 4.99         |
|            | High          | 16QAM      | 4.51        | 4.98         |
|            | High          | 64QAM      | 4.51        | 4.95         |
| 10         | Low           | QPSK       | 9.02        | 9.82         |
|            | Low           | 16QAM      | 8.97        | 9.70         |
|            | Low           | 64QAM      | 8.98        | 9.80         |
|            | Mid           | QPSK       | 8.98        | 9.80         |
|            | Mid           | 16QAM      | 8.98        | 9.79         |
|            | Mid           | 64QAM      | 8.99        | 9.84         |
|            | High          | QPSK       | 9.01        | 9.81         |
|            | High          | 16QAM      | 8.97        | 9.77         |
|            | High          | 64QAM      | 8.98        | 9.81         |
| 15         | Low           | QPSK       | 13.44       | 14.60        |
|            | Low           | 16QAM      | 13.47       | 14.65        |
|            | Low           | 64QAM      | 13.44       | 14.58        |
|            | Mid           | QPSK       | 13.45       | 14.67        |
|            | Mid           | 16QAM      | 13.46       | 14.58        |
|            | Mid           | 64QAM      | 13.45       | 14.64        |
|            | High          | QPSK       | 13.45       | 14.68        |
|            | High          | 16QAM      | 13.47       | 14.66        |
|            | High          | 64QAM      | 13.43       | 14.66        |
| 20         | Low           | QPSK       | 17.91       | 19.50        |
|            | Low           | 16QAM      | 17.96       | 19.55        |
|            | Low           | 64QAM      | 17.93       | 19.36        |
|            | Mid           | QPSK       | 17.94       | 19.39        |
|            | Mid           | 16QAM      | 17.98       | 19.45        |
|            | Mid           | 64QAM      | 17.96       | 19.48        |
|            | High          | QPSK       | 17.93       | 19.51        |
|            | High          | 16QAM      | 17.96       | 19.51        |
|            | High          | 64QAM      | 17.92       | 19.34        |



| LTE Band 12 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4         | Low           | QPSK       | 1.09        | 1.23         |
|             | Low           | 16QAM      | 1.10        | 1.23         |
|             | Low           | 64QAM      | 1.09        | 1.23         |
|             | Mid           | QPSK       | 1.09        | 1.24         |
|             | Mid           | 16QAM      | 1.10        | 1.24         |
|             | Mid           | 64QAM      | 1.10        | 1.23         |
|             | High          | QPSK       | 1.09        | 1.24         |
|             | High          | 16QAM      | 1.10        | 1.24         |
|             | High          | 64QAM      | 1.10        | 1.23         |
| 3           | Low           | QPSK       | 2.70        | 2.99         |
|             | Low           | 16QAM      | 2.70        | 2.99         |
|             | Low           | 64QAM      | 2.70        | 2.99         |
|             | Mid           | QPSK       | 2.70        | 3.01         |
|             | Mid           | 16QAM      | 2.71        | 3.02         |
|             | Mid           | 64QAM      | 2.71        | 3.01         |
|             | High          | QPSK       | 2.69        | 3.00         |
|             | High          | 16QAM      | 2.70        | 3.00         |
|             | High          | 64QAM      | 2.71        | 2.98         |
| 5           | Low           | QPSK       | 4.51        | 4.98         |
|             | Low           | 16QAM      | 4.51        | 4.97         |
|             | Low           | 64QAM      | 4.52        | 4.99         |
|             | Mid           | QPSK       | 4.50        | 5.01         |
|             | Mid           | 16QAM      | 4.51        | 4.99         |
|             | Mid           | 64QAM      | 4.52        | 4.95         |
|             | High          | QPSK       | 4.50        | 4.95         |
|             | High          | 16QAM      | 4.51        | 4.96         |
|             | High          | 64QAM      | 4.50        | 4.97         |
| 10          | Low           | QPSK       | 8.99        | 9.82         |
|             | Low           | 16QAM      | 8.98        | 9.73         |
|             | Low           | 64QAM      | 9.00        | 9.80         |
|             | Mid           | QPSK       | 8.99        | 9.78         |
|             | Mid           | 16QAM      | 8.97        | 9.76         |
|             | Mid           | 64QAM      | 9.00        | 9.82         |
|             | High          | QPSK       | 8.98        | 9.83         |
|             | High          | 16QAM      | 8.97        | 9.75         |
|             | High          | 64QAM      | 8.98        | 9.79         |



| LTE Band 13 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.50        | 4.96         |
|             | Low           | 16QAM      | 4.50        | 4.95         |
|             | Low           | 64QAM      | 4.51        | 4.95         |
|             | Mid           | QPSK       | 4.50        | 5.00         |
|             | Mid           | 16QAM      | 4.51        | 4.99         |
|             | Mid           | 64QAM      | 4.51        | 4.96         |
|             | High          | QPSK       | 4.51        | 5.02         |
|             | High          | 16QAM      | 4.51        | 4.99         |
|             | High          | 64QAM      | 4.51        | 4.98         |
| 10          | Mid           | QPSK       | 8.99        | 9.81         |
|             | Mid           | 16QAM      | 8.96        | 9.72         |
|             | Mid           | 64QAM      | 8.97        | 9.80         |

| LTE Band 17 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.50        | 4.97         |
|             | Low           | 16QAM      | 4.51        | 4.97         |
|             | Low           | 64QAM      | 4.50        | 5.00         |
|             | Mid           | QPSK       | 4.50        | 5.00         |
|             | Mid           | 16QAM      | 4.51        | 4.95         |
|             | Mid           | 64QAM      | 4.52        | 4.97         |
|             | High          | QPSK       | 4.50        | 4.96         |
|             | High          | 16QAM      | 4.50        | 4.95         |
|             | High          | 64QAM      | 4.52        | 4.97         |
| 10          | Low           | QPSK       | 8.98        | 9.78         |
|             | Low           | 16QAM      | 8.95        | 9.72         |
|             | Low           | 64QAM      | 8.98        | 9.77         |
|             | Mid           | QPSK       | 9.00        | 9.80         |
|             | Mid           | 16QAM      | 8.97        | 9.74         |
|             | Mid           | 64QAM      | 8.97        | 9.81         |
|             | High          | QPSK       | 8.99        | 9.78         |
|             | High          | 16QAM      | 8.95        | 9.75         |
|             | High          | 64QAM      | 8.99        | 9.79         |

| LTE Band 25 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4         | Low           | QPSK       | 1.09        | 1.24         |
|             | Low           | 16QAM      | 1.09        | 1.23         |
|             | Low           | 64QAM      | 1.10        | 1.24         |
|             | Mid           | QPSK       | 1.09        | 1.24         |
|             | Mid           | 16QAM      | 1.10        | 1.24         |
|             | Mid           | 64QAM      | 1.10        | 1.23         |
|             | High          | QPSK       | 1.10        | 1.23         |
|             | High          | 16QAM      | 1.10        | 1.24         |
|             | High          | 64QAM      | 1.10        | 1.24         |
| 3           | Low           | QPSK       | 2.70        | 3.00         |
|             | Low           | 16QAM      | 2.71        | 3.00         |
|             | Low           | 64QAM      | 2.71        | 2.99         |
|             | Mid           | QPSK       | 2.70        | 2.98         |
|             | Mid           | 16QAM      | 2.71        | 3.02         |
|             | Mid           | 64QAM      | 2.71        | 2.99         |
|             | High          | QPSK       | 2.70        | 2.98         |
|             | High          | 16QAM      | 2.70        | 2.99         |
|             | High          | 64QAM      | 2.71        | 2.99         |
| 5           | Low           | QPSK       | 4.51        | 4.97         |
|             | Low           | 16QAM      | 4.51        | 5.00         |
|             | Low           | 64QAM      | 4.51        | 4.98         |
|             | Mid           | QPSK       | 4.51        | 4.98         |
|             | Mid           | 16QAM      | 4.51        | 4.94         |
|             | Mid           | 64QAM      | 4.52        | 5.00         |
|             | High          | QPSK       | 4.51        | 4.99         |
|             | High          | 16QAM      | 4.51        | 4.99         |
|             | High          | 64QAM      | 4.51        | 5.00         |
| 10          | Low           | QPSK       | 9.01        | 9.78         |
|             | Low           | 16QAM      | 8.97        | 9.74         |
|             | Low           | 64QAM      | 8.99        | 9.84         |
|             | Mid           | QPSK       | 8.99        | 9.80         |
|             | Mid           | 16QAM      | 8.97        | 9.72         |
|             | Mid           | 64QAM      | 8.98        | 9.82         |
|             | High          | QPSK       | 8.99        | 9.81         |
|             | High          | 16QAM      | 8.97        | 9.75         |
|             | High          | 64QAM      | 8.98        | 9.84         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.46 | 14.61 |
|    | Low  | 16QAM | 13.44 | 14.57 |
|    | Low  | 64QAM | 13.44 | 14.74 |
|    | Mid  | QPSK  | 13.45 | 14.63 |
|    | Mid  | 16QAM | 13.47 | 14.60 |
|    | Mid  | 64QAM | 13.46 | 14.74 |
|    | High | QPSK  | 13.46 | 14.64 |
|    | High | 16QAM | 13.46 | 14.70 |
|    | High | 64QAM | 13.45 | 14.67 |
| 20 | Low  | QPSK  | 17.90 | 19.39 |
|    | Low  | 16QAM | 17.92 | 19.38 |
|    | Low  | 64QAM | 17.91 | 19.50 |
|    | Mid  | QPSK  | 17.90 | 19.54 |
|    | Mid  | 16QAM | 17.94 | 19.52 |
|    | Mid  | 64QAM | 17.97 | 19.55 |
|    | High | QPSK  | 17.91 | 19.49 |
|    | High | 16QAM | 17.92 | 19.18 |
|    | High | 64QAM | 17.94 | 19.45 |



| LTE Band 26 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4         | Low           | QPSK       | 1.09        | 1.24         |
|             | Low           | 16QAM      | 1.09        | 1.23         |
|             | Low           | 64QAM      | 1.10        | 1.23         |
|             | Mid           | QPSK       | 1.10        | 1.24         |
|             | Mid           | 16QAM      | 1.10        | 1.24         |
|             | Mid           | 64QAM      | 1.10        | 1.24         |
|             | High          | QPSK       | 1.09        | 1.23         |
|             | High          | 16QAM      | 1.10        | 1.24         |
|             | High          | 64QAM      | 1.09        | 1.24         |
| 3           | Low           | QPSK       | 2.70        | 2.99         |
|             | Low           | 16QAM      | 2.70        | 2.99         |
|             | Low           | 64QAM      | 2.71        | 2.98         |
|             | Mid           | QPSK       | 2.70        | 3.00         |
|             | Mid           | 16QAM      | 2.70        | 3.02         |
|             | Mid           | 64QAM      | 2.71        | 2.98         |
|             | High          | QPSK       | 2.71        | 3.00         |
|             | High          | 16QAM      | 2.70        | 3.01         |
|             | High          | 64QAM      | 2.71        | 2.98         |
| 5           | Low           | QPSK       | 4.50        | 5.00         |
|             | Low           | 16QAM      | 4.51        | 4.98         |
|             | Low           | 64QAM      | 4.52        | 4.98         |
|             | Mid           | QPSK       | 4.51        | 5.01         |
|             | Mid           | 16QAM      | 4.51        | 4.97         |
|             | Mid           | 64QAM      | 4.52        | 4.95         |
|             | High          | QPSK       | 4.51        | 5.00         |
|             | High          | 16QAM      | 4.51        | 4.97         |
|             | High          | 64QAM      | 4.51        | 4.95         |
| 10          | Low           | QPSK       | 8.97        | 9.80         |
|             | Low           | 16QAM      | 8.95        | 9.83         |
|             | Low           | 64QAM      | 8.99        | 9.82         |
|             | Mid           | QPSK       | 8.99        | 9.81         |
|             | Mid           | 16QAM      | 8.97        | 9.77         |
|             | Mid           | 64QAM      | 8.98        | 9.82         |
|             | High          | QPSK       | 9.00        | 9.78         |
|             | High          | 16QAM      | 8.94        | 9.68         |
|             | High          | 64QAM      | 8.96        | 9.78         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.46 | 14.66 |
|    | Low  | 16QAM | 13.44 | 14.57 |
|    | Low  | 64QAM | 13.41 | 14.71 |
|    | Mid  | QPSK  | 13.45 | 14.62 |
|    | Mid  | 16QAM | 13.45 | 14.68 |
|    | Mid  | 64QAM | 13.40 | 14.73 |
|    | High | QPSK  | 13.46 | 14.61 |
|    | High | 16QAM | 13.41 | 14.69 |
|    | High | 64QAM | 13.42 | 14.73 |

| LTE Band 30 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.51        | 5.00         |
|             | Low           | 16QAM      | 4.51        | 4.96         |
|             | Low           | 64QAM      | 4.51        | 5.00         |
|             | Mid           | QPSK       | 4.51        | 4.98         |
|             | Mid           | 16QAM      | 4.50        | 4.98         |
|             | Mid           | 64QAM      | 4.52        | 4.98         |
|             | High          | QPSK       | 4.52        | 4.98         |
|             | High          | 16QAM      | 4.50        | 4.98         |
|             | High          | 64QAM      | 4.52        | 4.99         |
| 10          | Mid           | QPSK       | 9.01        | 9.77         |
|             | Mid           | 16QAM      | 8.96        | 9.78         |
|             | Mid           | 64QAM      | 8.98        | 9.81         |



| LTE Band 41 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.52        | 5.03         |
|             | Low           | 16QAM      | 4.51        | 4.99         |
|             | Low           | 64QAM      | 4.52        | 4.97         |
|             | Mid           | QPSK       | 4.50        | 4.97         |
|             | Mid           | 16QAM      | 4.50        | 4.95         |
|             | Mid           | 64QAM      | 4.52        | 4.95         |
|             | High          | QPSK       | 4.52        | 4.96         |
|             | High          | 16QAM      | 4.51        | 5.08         |
|             | High          | 64QAM      | 4.51        | 4.98         |
| 10          | Low           | QPSK       | 8.96        | 9.67         |
|             | Low           | 16QAM      | 8.96        | 9.75         |
|             | Low           | 64QAM      | 8.97        | 9.77         |
|             | Mid           | QPSK       | 8.97        | 9.73         |
|             | Mid           | 16QAM      | 8.97        | 9.73         |
|             | Mid           | 64QAM      | 8.97        | 9.80         |
|             | High          | QPSK       | 8.97        | 9.66         |
|             | High          | 16QAM      | 8.98        | 9.69         |
|             | High          | 64QAM      | 8.95        | 9.80         |
| 15          | Low           | QPSK       | 13.45       | 14.60        |
|             | Low           | 16QAM      | 13.46       | 14.67        |
|             | Low           | 64QAM      | 13.41       | 14.61        |
|             | Mid           | QPSK       | 13.44       | 14.51        |
|             | Mid           | 16QAM      | 13.48       | 14.56        |
|             | Mid           | 64QAM      | 13.43       | 14.56        |
|             | High          | QPSK       | 13.45       | 14.53        |
|             | High          | 16QAM      | 13.43       | 14.72        |
|             | High          | 64QAM      | 13.41       | 14.62        |
| 20          | Low           | QPSK       | 17.94       | 19.40        |
|             | Low           | 16QAM      | 17.90       | 19.49        |
|             | Low           | 64QAM      | 17.92       | 19.50        |
|             | Mid           | QPSK       | 17.93       | 19.37        |
|             | Mid           | 16QAM      | 17.88       | 19.40        |
|             | Mid           | 64QAM      | 17.88       | 19.51        |
|             | High          | QPSK       | 17.86       | 19.15        |
|             | High          | 16QAM      | 17.82       | 19.28        |
|             | High          | 64QAM      | 17.83       | 19.18        |



| LTE Band 66 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4         | Low           | QPSK       | 1.09        | 1.24         |
|             | Low           | 16QAM      | 1.09        | 1.24         |
|             | Low           | 64QAM      | 1.10        | 1.23         |
|             | Mid           | QPSK       | 1.10        | 1.24         |
|             | Mid           | 16QAM      | 1.09        | 1.23         |
|             | Mid           | 64QAM      | 1.10        | 1.23         |
|             | High          | QPSK       | 1.09        | 1.24         |
|             | High          | 16QAM      | 1.09        | 1.24         |
|             | High          | 64QAM      | 1.10        | 1.23         |
| 3           | Low           | QPSK       | 2.70        | 3.00         |
|             | Low           | 16QAM      | 2.70        | 3.00         |
|             | Low           | 64QAM      | 2.71        | 2.99         |
|             | Mid           | QPSK       | 2.70        | 2.99         |
|             | Mid           | 16QAM      | 2.71        | 3.01         |
|             | Mid           | 64QAM      | 2.70        | 3.00         |
|             | High          | QPSK       | 2.70        | 2.99         |
|             | High          | 16QAM      | 2.70        | 3.01         |
|             | High          | 64QAM      | 2.70        | 2.99         |
| 5           | Low           | QPSK       | 4.51        | 5.00         |
|             | Low           | 16QAM      | 4.51        | 4.93         |
|             | Low           | 64QAM      | 4.51        | 5.00         |
|             | Mid           | QPSK       | 4.51        | 4.99         |
|             | Mid           | 16QAM      | 4.51        | 4.92         |
|             | Mid           | 64QAM      | 4.52        | 4.98         |
|             | High          | QPSK       | 4.50        | 4.95         |
|             | High          | 16QAM      | 4.50        | 4.99         |
|             | High          | 64QAM      | 4.51        | 4.97         |
| 10          | Low           | QPSK       | 8.99        | 9.75         |
|             | Low           | 16QAM      | 8.97        | 9.75         |
|             | Low           | 64QAM      | 9.00        | 9.83         |
|             | Mid           | QPSK       | 9.02        | 9.80         |
|             | Mid           | 16QAM      | 8.97        | 9.77         |
|             | Mid           | 64QAM      | 8.99        | 9.84         |
|             | High          | QPSK       | 9.01        | 9.84         |
|             | High          | 16QAM      | 8.97        | 9.72         |
|             | High          | 64QAM      | 8.99        | 9.85         |



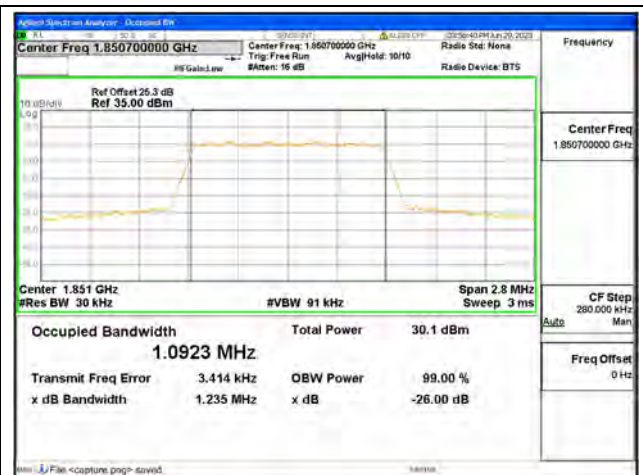
|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.45 | 14.61 |
|    | Low  | 16QAM | 13.45 | 14.67 |
|    | Low  | 64QAM | 13.44 | 14.57 |
|    | Mid  | QPSK  | 13.48 | 14.65 |
|    | Mid  | 16QAM | 13.48 | 14.57 |
|    | Mid  | 64QAM | 13.46 | 14.77 |
|    | High | QPSK  | 13.48 | 14.67 |
|    | High | 16QAM | 13.48 | 14.58 |
|    | High | 64QAM | 13.46 | 14.67 |
| 20 | Low  | QPSK  | 17.94 | 19.41 |
|    | Low  | 16QAM | 17.97 | 19.48 |
|    | Low  | 64QAM | 17.91 | 19.50 |
|    | Mid  | QPSK  | 17.99 | 19.62 |
|    | Mid  | 16QAM | 17.97 | 19.55 |
|    | Mid  | 64QAM | 17.98 | 19.34 |
|    | High | QPSK  | 17.96 | 19.43 |
|    | High | 16QAM | 17.95 | 19.48 |
|    | High | 64QAM | 17.96 | 19.45 |



| LTE Band 71 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.51        | 4.98         |
|             | Low           | 16QAM      | 4.50        | 4.95         |
|             | Low           | 64QAM      | 4.49        | 4.94         |
|             | Mid           | QPSK       | 4.50        | 5.00         |
|             | Mid           | 16QAM      | 4.49        | 4.98         |
|             | Mid           | 64QAM      | 4.50        | 4.95         |
|             | High          | QPSK       | 4.49        | 4.97         |
|             | High          | 16QAM      | 4.50        | 4.99         |
|             | High          | 64QAM      | 4.49        | 4.94         |
| 10          | Low           | QPSK       | 9.01        | 9.74         |
|             | Low           | 16QAM      | 8.97        | 9.83         |
|             | Low           | 64QAM      | 8.99        | 9.81         |
|             | Mid           | QPSK       | 9.02        | 9.83         |
|             | Mid           | 16QAM      | 8.98        | 9.74         |
|             | Mid           | 64QAM      | 9.00        | 9.77         |
|             | High          | QPSK       | 9.02        | 9.80         |
|             | High          | 16QAM      | 8.97        | 9.80         |
|             | High          | 64QAM      | 8.99        | 9.82         |
| 15          | Low           | QPSK       | 13.45       | 14.62        |
|             | Low           | 16QAM      | 13.45       | 14.63        |
|             | Low           | 64QAM      | 13.43       | 14.56        |
|             | Mid           | QPSK       | 13.47       | 14.72        |
|             | Mid           | 16QAM      | 13.46       | 14.78        |
|             | Mid           | 64QAM      | 13.46       | 14.62        |
|             | High          | QPSK       | 13.48       | 14.68        |
|             | High          | 16QAM      | 13.45       | 14.75        |
|             | High          | 64QAM      | 13.45       | 14.74        |
| 20          | Low           | QPSK       | 17.92       | 19.54        |
|             | Low           | 16QAM      | 17.93       | 19.50        |
|             | Low           | 64QAM      | 17.93       | 19.49        |
|             | Mid           | QPSK       | 17.93       | 19.54        |
|             | Mid           | 16QAM      | 17.96       | 19.53        |
|             | Mid           | 64QAM      | 17.94       | 19.51        |
|             | High          | QPSK       | 17.90       | 19.51        |
|             | High          | 16QAM      | 17.96       | 19.42        |
|             | High          | 64QAM      | 17.95       | 19.43        |



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



Band2 / 1.4MHz / 64QAM/ Low CH



Band2 / 1.4MHz / QPSK/ Mid CH



Band2 / 1.4MHz / 16QAM/ Mid CH



Band2 / 1.4MHz / 64QAM/ Mid CH





Band2 / 1.4MHz / QPSK/ High CH



Band2 / 1.4MHz / 16QAM/ High CH



Band2 / 1.4MHz / 64QAM/ High CH



Band2 / 3MHz / QPSK/ Low CH



Band2 / 3MHz / 16QAM/ Low CH



Band2 / 3MHz / 64QAM/ Low CH



Band2 / 3MHz / QPSK/ Mid CH



Band2 / 3MHz / 16QAM/ Mid CH



Band2 / 3MHz / 64QAM/ Mid CH



Band2 / 3MHz / QPSK/ High CH



Band2 / 3MHz / 16QAM/ High CH



Band2 / 3MHz / 64QAM/ High CH





Band2 / 5MHz / QPSK/ Low CH



Band2 / 5MHz / 16QAM/ Low CH



Band2 / 5MHz / 64QAM/ Low CH



Band2 / 5MHz / QPSK/ Mid CH



Band2 / 5MHz / 16QAM/ Mid CH



Band2 / 5MHz / 64QAM/ Mid CH



Band2 / 5MHz / QPSK/ High CH



Band2 / 5MHz / 16QAM/ High CH



Band2 / 5MHz / 64QAM/ High CH



Band2 / 10MHz / QPSK/ Low CH



Band2 / 10MHz / 16QAM/ Low CH



Band2 / 10MHz / 64QAM/ Low CH





Band2 / 10MHz / QPSK / Mid CH



Band2 / 10MHz / 16QAM / Mid CH



Band2 / 10MHz / 64QAM / Mid CH



Band2 / 10MHz / QPSK / High CH



Band2 / 10MHz / 16QAM / High CH



Band2 / 10MHz / 64QAM / High CH



Band2 / 15MHz / QPSK/ Low CH



Band2 / 15MHz / 16QAM/ Low CH



Band2 / 15MHz / 64QAM/ Low CH



Band2 / 15MHz / QPSK/ Mid CH



Band2 / 15MHz / 16QAM/ Mid CH



Band2 / 15MHz / 64QAM/ Mid CH





Band2 / 15MHz / QPSK/ High CH



Band2 / 15MHz / 16QAM/ High CH



Band2 / 15MHz / 64QAM/ High CH



Band2 / 20MHz / QPSK/ Low CH



Band2 / 20MHz / 16QAM/ Low CH



Band2 / 20MHz / 64QAM/ Low CH



Band2 / 20MHz / QPSK/ Mid CH



Band2 / 20MHz / 16QAM/ Mid CH



Band2 / 20MHz / 64QAM/ Mid CH



Band2 / 20MHz / QPSK/ High CH



Band2 / 20MHz / 16QAM/ High CH

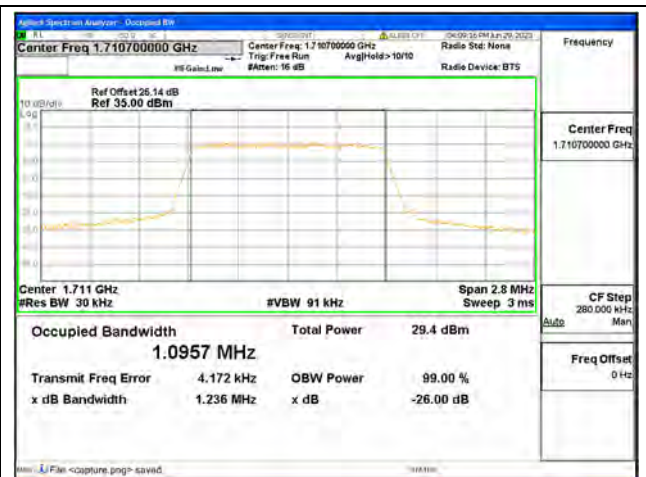


Band2 / 20MHz / 64QAM/ High CH





Band4 / 1.4MHz / QPSK/ Low CH



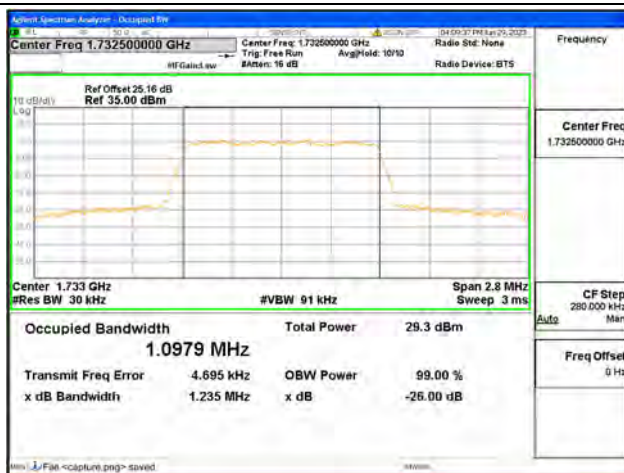
Band4 / 1.4MHz / 16QAM/ Low CH



Band4 / 1.4MHz / 64QAM/ Low CH



Band4 / 1.4MHz / QPSK/ Mid CH



Band4 / 1.4MHz / 16QAM/ Mid CH



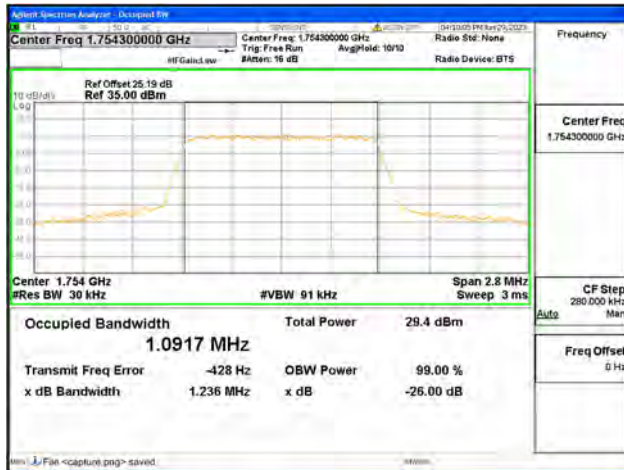
Band4 / 1.4MHz / 64QAM/ Mid CH



Band4 / 1.4MHz / QPSK/ High CH



Band4 / 1.4MHz / 16QAM/ High CH



Band4 / 1.4MHz / 64QAM/ High CH



Band4 / 3MHz / QPSK/ Low CH



Band4 / 3MHz / 16QAM/ Low CH



Band4 / 3MHz / 64QAM/ Low CH





Band4 / 3MHz / QPSK/ Mid CH



Band4 / 3MHz / 16QAM/ Mid CH



Band4 / 3MHz / 64QAM/ Mid CH



Band4 / 3MHz / QPSK/ High CH



Band4 / 3MHz / 16QAM/ High CH



Band4 / 3MHz / 64QAM/ High CH



Band4 / 5MHz / QPSK/ Low CH



Band4 / 5MHz / 16QAM/ Low CH



Band4 / 5MHz / 64QAM/ Low CH



Band4 / 5MHz / QPSK/ Mid CH



Band4 / 5MHz / 16QAM/ Mid CH



Band4 / 5MHz / 64QAM/ Mid CH

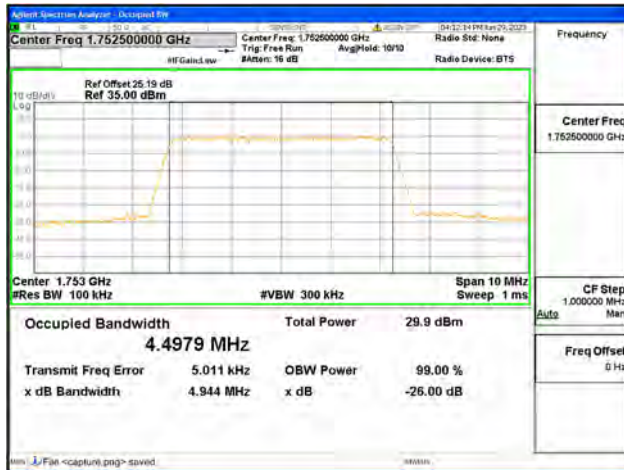




Band4 / 5MHz / QPSK/ High CH



Band4 / 5MHz / 16QAM/ High CH



Band4 / 5MHz / 64QAM/ High CH



Band4 / 10MHz / QPSK/ Low CH



Band4 / 10MHz / 16QAM/ Low CH



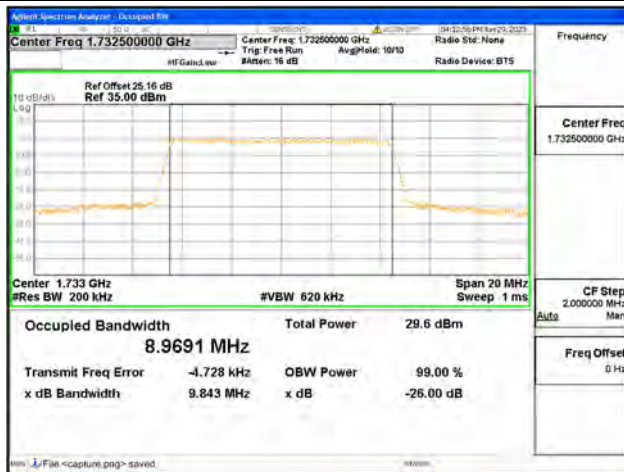
Band4 / 10MHz / 64QAM/ Low CH



Band4 / 10MHz / QPSK/ Mid CH



Band4 / 10MHz / 16QAM/ Mid CH



Band4 / 10MHz / 64QAM/ Mid CH



Band4 / 10MHz / QPSK/ High CH



Band4 / 10MHz / 16QAM/ High CH



Band4 / 10MHz / 64QAM/ High CH

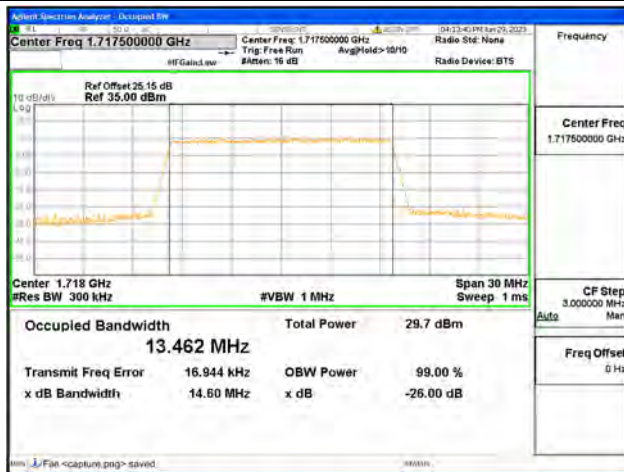




Band4 / 15MHz / QPSK/ Low CH



Band4 / 15MHz / 16QAM/ Low CH



Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



Band4 / 15MHz / 16QAM/ High CH



Band4 / 15MHz / 64QAM/ High CH



Band4 / 20MHz / QPSK/ Low CH



Band4 / 20MHz / 16QAM/ Low CH



Band4 / 20MHz / 64QAM/ Low CH





Band4 / 20MHz / QPSK/ Mid CH



Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



Band4 / 20MHz / 64QAM/ High CH



Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



Band5 / 1.4MHz / 64QAM/ Mid CH





Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



Band5 / 3MHz / 64QAM/ Low CH

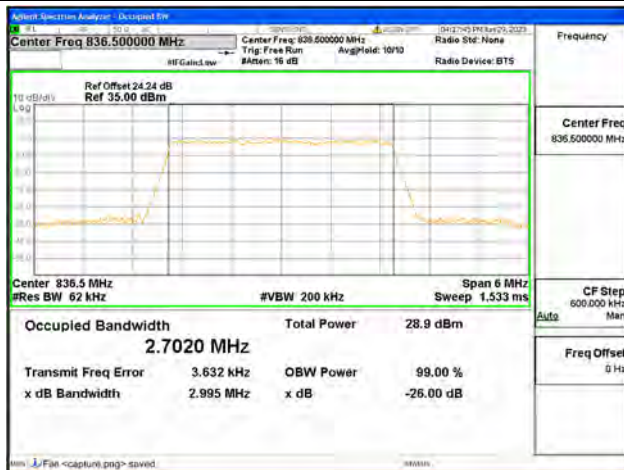




Band5 / 3MHz / QPSK/ Mid CH



Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



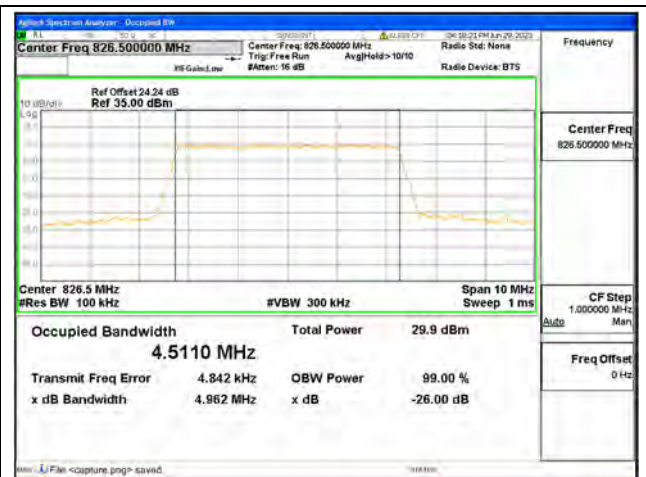
Band5 / 3MHz / 16QAM/ High CH



Band5 / 3MHz / 64QAM/ High CH



Band5 / 5MHz / QPSK/ Low CH



Band5 / 5MHz / 16QAM/ Low CH



Band5 / 5MHz / 64QAM/ Low CH



Band5 / 5MHz / QPSK/ Mid CH



Band5 / 5MHz / 16QAM/ Mid CH

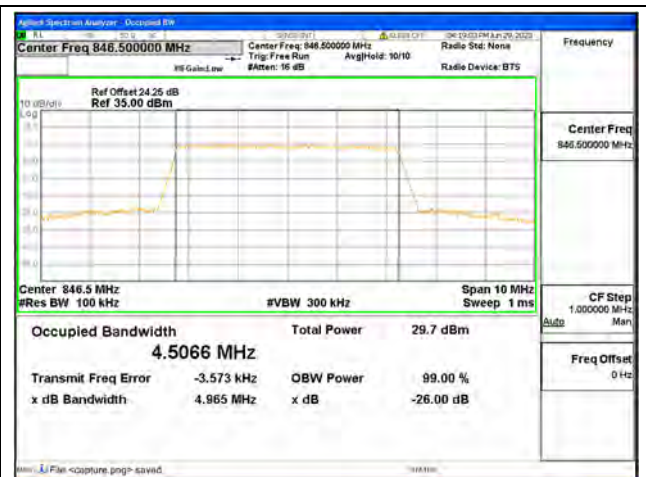


Band5 / 5MHz / 64QAM/ Mid CH

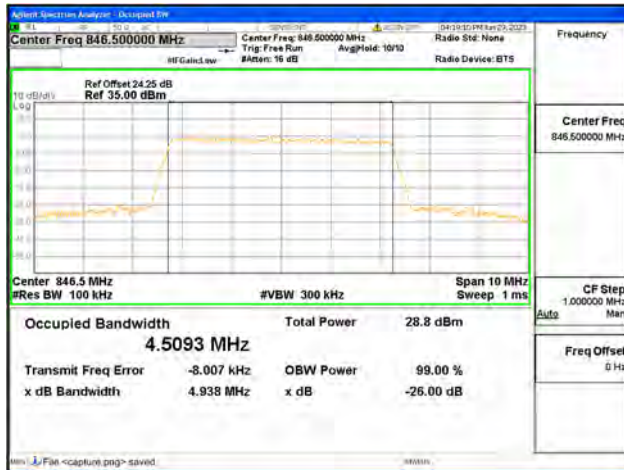




Band5 / 5MHz / QPSK/ High CH



Band5 / 5MHz / 16QAM/ High CH



Band5 / 5MHz / 64QAM/ High CH



Band5 / 10MHz / QPSK/ Low CH



Band5 / 10MHz / 16QAM/ Low CH



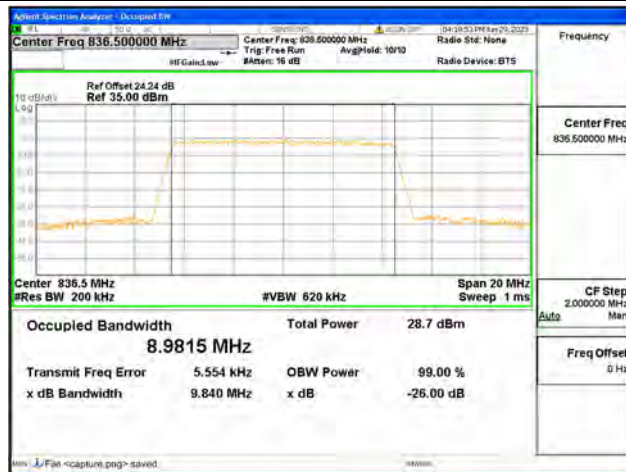
Band5 / 10MHz / 64QAM/ Low CH



Band5 / 10MHz / QPSK/ Mid CH



Band5 / 10MHz / 16QAM/ Mid CH



Band5 / 10MHz / 64QAM/ Mid CH



Band5 / 10MHz / QPSK/ High CH



Band5 / 10MHz / 16QAM/ High CH



Band5 / 10MHz / 64QAM/ High CH





Band7 / 5MHz / QPSK/ Low CH



Band7 / 5MHz / 16QAM/ Low CH



Band7 / 5MHz / 64QAM/ Low CH



Band7 / 5MHz / QPSK/ Mid CH



Band7 / 5MHz / 16QAM/ Mid CH



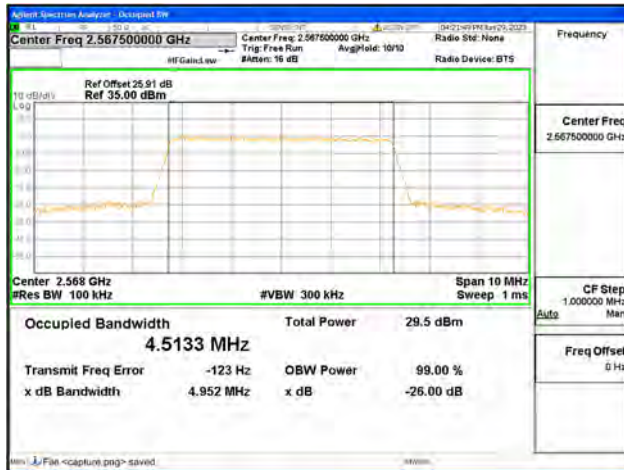
Band7 / 5MHz / 64QAM/ Mid CH



Band7 / 5MHz / QPSK/ High CH



Band7 / 5MHz / 16QAM/ High CH



Band7 / 5MHz / 64QAM/ High CH



Band7 / 10MHz / QPSK/ Low CH



Band7 / 10MHz / 16QAM/ Low CH



Band7 / 10MHz / 64QAM/ Low CH





Band7 / 10MHz / QPSK/ Mid CH



Band7 / 10MHz / 16QAM/ Mid CH



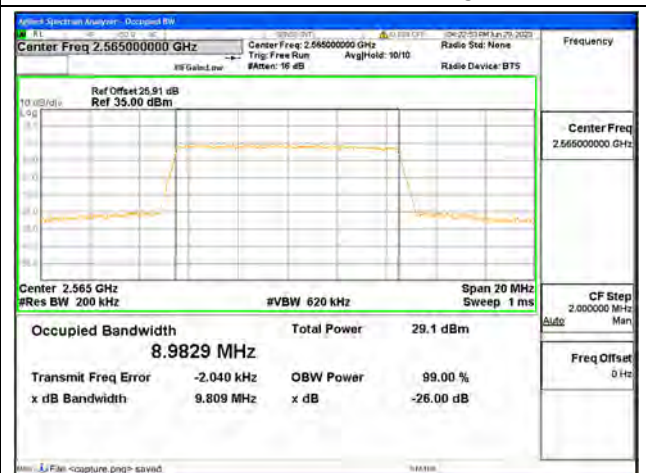
Band7 / 10MHz / 64QAM/ Mid CH



Band7 / 10MHz / QPSK/ High CH



Band7 / 10MHz / 16QAM/ High CH



Band7 / 10MHz / 64QAM/ High CH





Band7 / 15MHz / QPSK/ Low CH



Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / 64QAM/ Low CH



Band7 / 15MHz / QPSK/ Mid CH



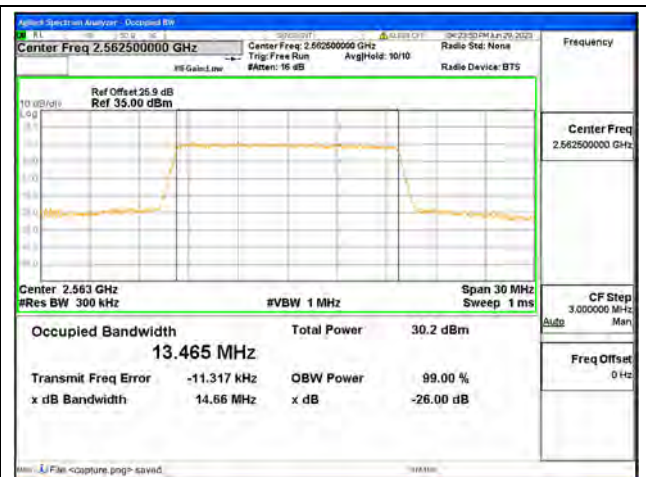
Band7 / 15MHz / 16QAM/ Mid CH



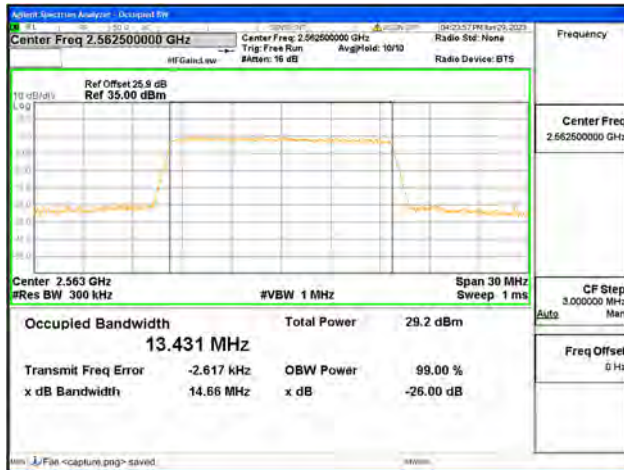
Band7 / 15MHz / 64QAM/ Mid CH



Band7 / 15MHz / QPSK/ High CH



Band7 / 15MHz / 16QAM/ High CH



Band7 / 15MHz / 64QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



Band7 / 20MHz / 16QAM/ Low CH



Band7 / 20MHz / 64QAM/ Low CH

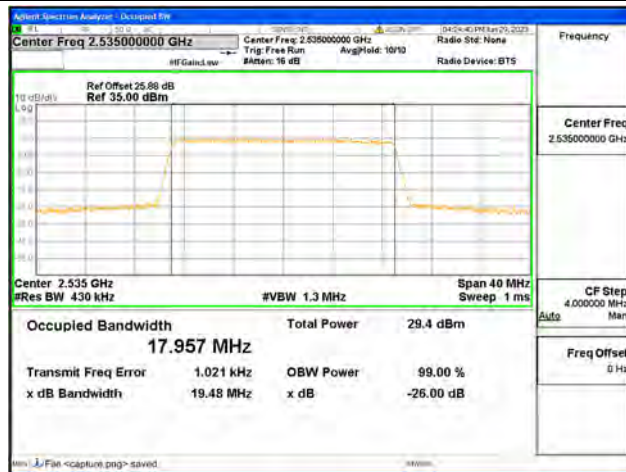




Band7 / 20MHz / QPSK/ Mid CH



Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH



Band7 / 20MHz / 64QAM/ High CH



Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / 64QAM/ Low CH



Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



Band12 / 1.4MHz / 64QAM/ Mid CH





Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



Band12 / 3MHz / 16QAM/ Low CH



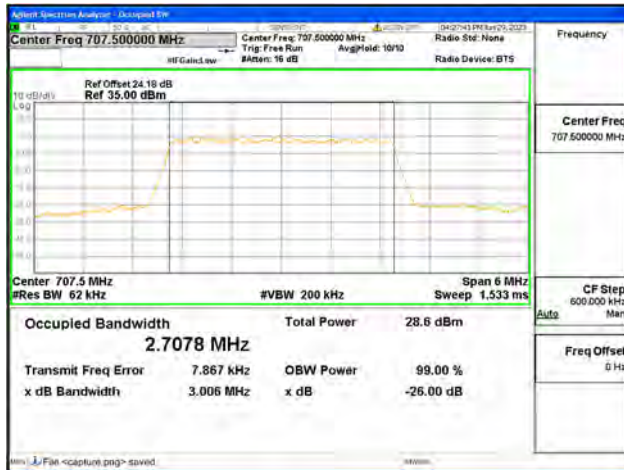
Band12 / 3MHz / 64QAM/ Low CH



Band12 / 3MHz / QPSK/ Mid CH



Band12 / 3MHz / 16QAM/ Mid CH



Band12 / 3MHz / 64QAM/ Mid CH



Band12 / 3MHz / QPSK/ High CH



Band12 / 3MHz / 16QAM/ High CH



Band12 / 3MHz / 64QAM/ High CH

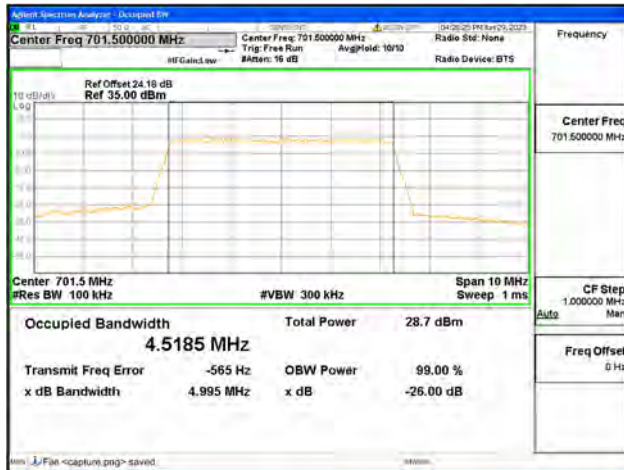




Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



Band12 / 5MHz / 16QAM/ Mid CH



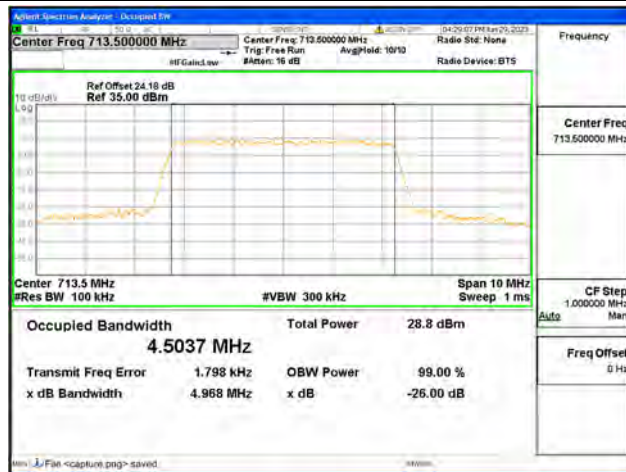
Band12 / 5MHz / 64QAM/ Mid CH



Band12 / 5MHz / QPSK/ High CH



Band12 / 5MHz / 16QAM/ High CH



Band12 / 5MHz / 64QAM/ High CH



Band12 / 10MHz / QPSK/ Low CH



Band12 / 10MHz / 16QAM/ Low CH



Band12 / 10MHz / 64QAM/ Low CH

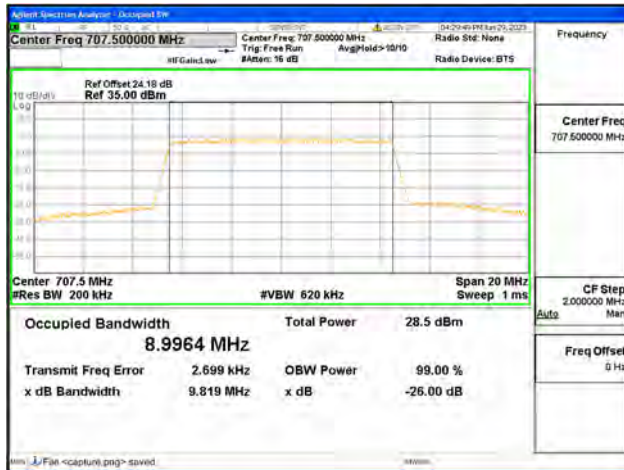




Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



Band12 / 10MHz / 16QAM/ High CH



Band12 / 10MHz / 64QAM/ High CH



Band13 / 5MHz / QPSK/ Low CH



Band13 / 5MHz / 16QAM/ Low CH



Band13 / 5MHz / 64QAM/ Low CH



Band13 / 5MHz / QPSK/ Mid CH



Band13 / 5MHz / 16QAM/ Mid CH



Band13 / 5MHz / 64QAM/ Mid CH

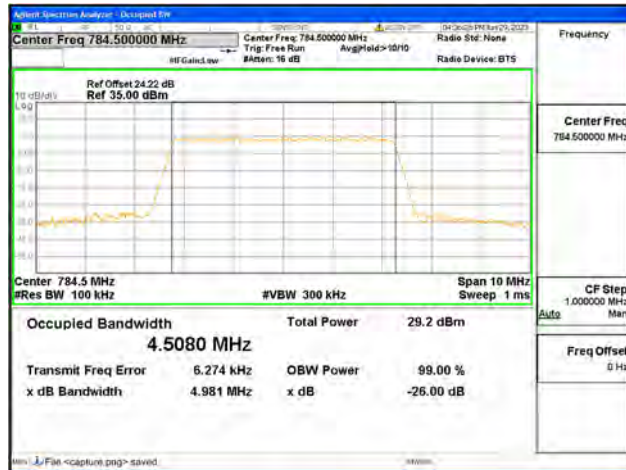




Band13 / 5MHz / QPSK/ High CH



Band13 / 5MHz / 16QAM/ High CH



Band13 / 5MHz / 64QAM/ High CH



Band13 / 10MHz / QPSK/ Mid CH



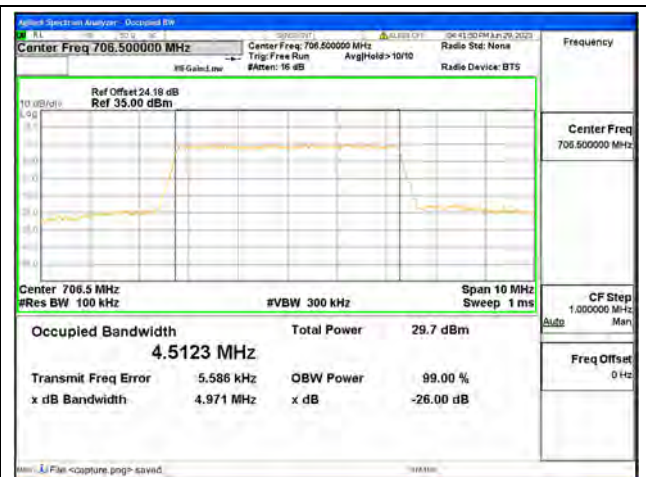
Band13 / 10MHz / 16QAM/ Mid CH



Band13 / 10MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / 64QAM/ Low CH



Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH

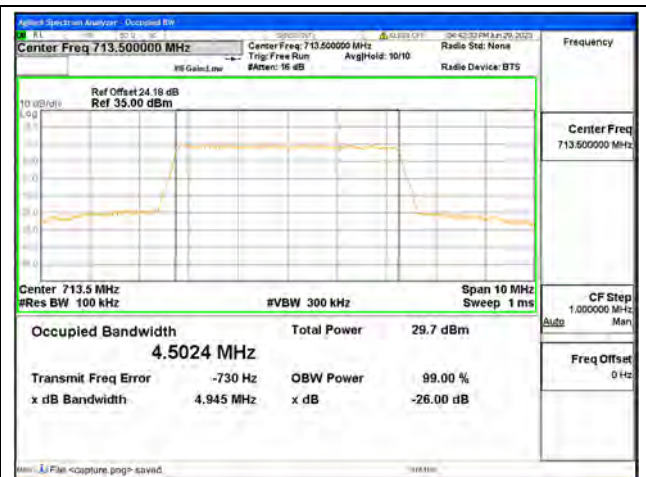


Band17 / 5MHz / 64QAM/ Mid CH





Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



Band17 / 10MHz / 16QAM/ Low CH



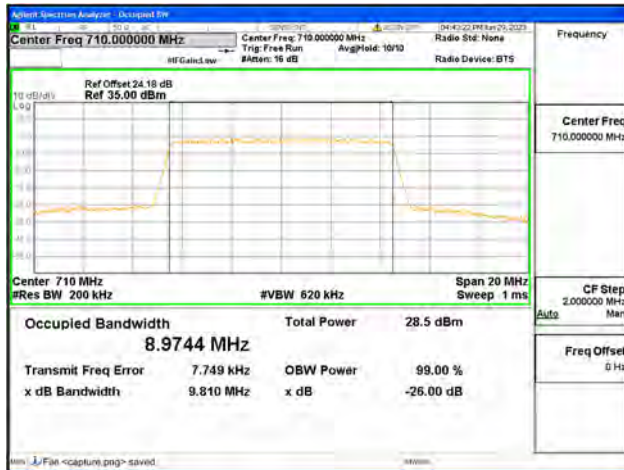
Band17 / 10MHz / 64QAM/ Low CH



Band17 / 10MHz / QPSK/ Mid CH



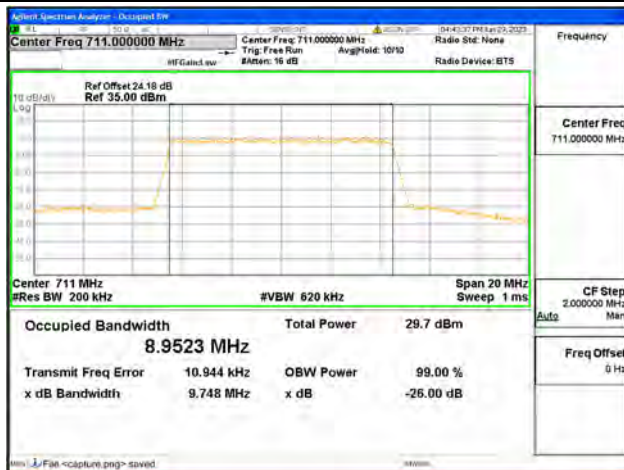
Band17 / 10MHz / 16QAM/ Mid CH



Band17 / 10MHz / 64QAM/ Mid CH



Band17 / 10MHz / QPSK/ High CH



Band17 / 10MHz / 16QAM/ High CH



Band17 / 10MHz / 64QAM/ High CH





Band25 / 1.4MHz / QPSK/ Low CH



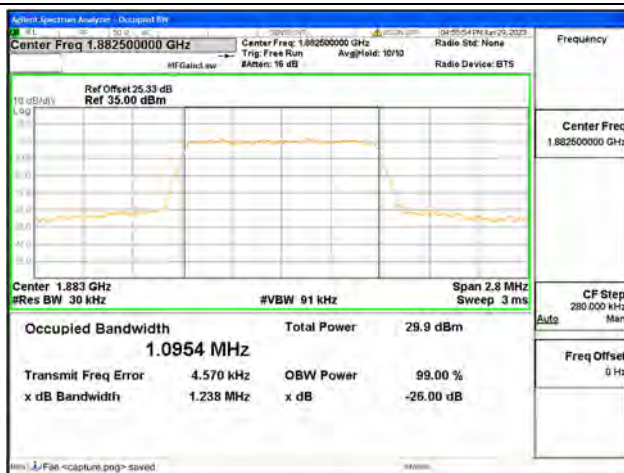
Band25 / 1.4MHz / 16QAM/ Low CH



Band25 / 1.4MHz / 64QAM/ Low CH



Band25 / 1.4MHz / QPSK/ Mid CH



Band25 / 1.4MHz / 16QAM/ Mid CH



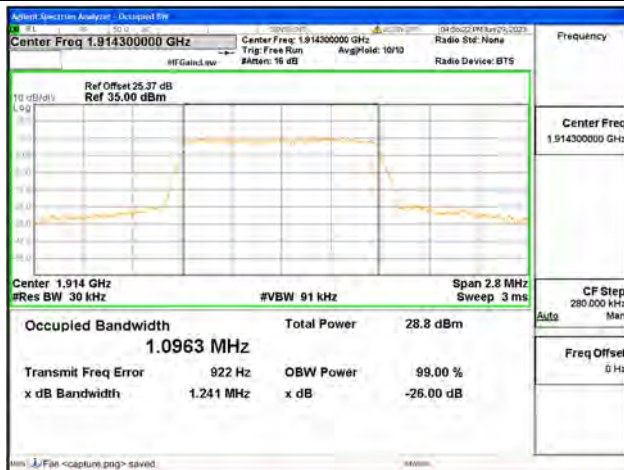
Band25 / 1.4MHz / 64QAM/ Mid CH



Band25 / 1.4MHz / QPSK/ High CH



Band25 / 1.4MHz / 16QAM/ High CH



Band25 / 1.4MHz / 64QAM/ High CH



Band25 / 3MHz / QPSK/ Low CH



Band25 / 3MHz / 16QAM/ Low CH



Band25 / 3MHz / 64QAM/ Low CH

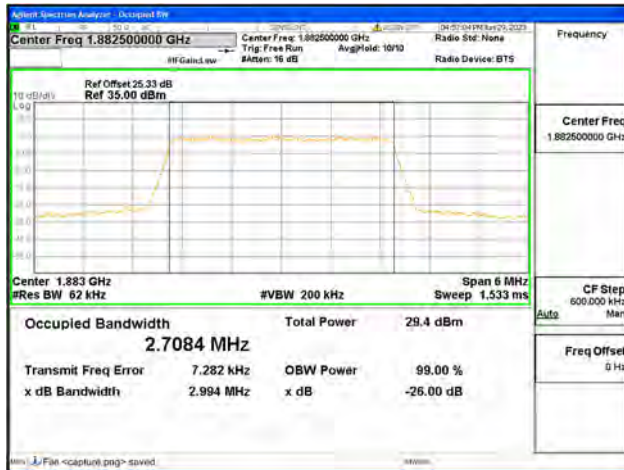




Band25 / 3MHz / QPSK/ Mid CH



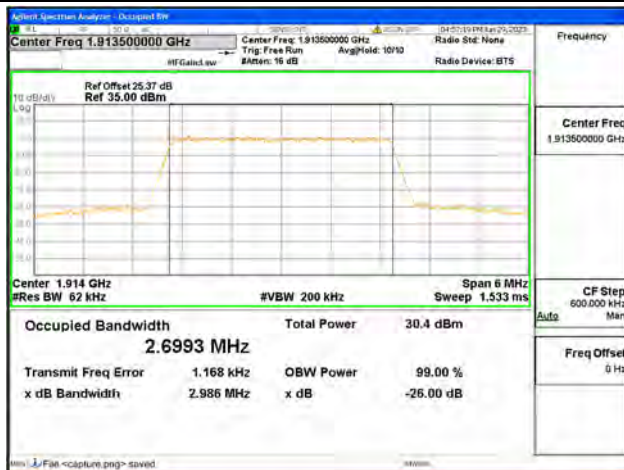
Band25 / 3MHz / 16QAM/ Mid CH



Band25 / 3MHz / 64QAM/ Mid CH



Band25 / 3MHz / QPSK/ High CH



Band25 / 3MHz / 16QAM/ High CH



Band25 / 3MHz / 64QAM/ High CH





Band25 / 5MHz / QPSK/ Low CH



Band25 / 5MHz / 16QAM/ Low CH



Band25 / 5MHz / 64QAM/ Low CH



Band25 / 5MHz / QPSK/ Mid CH



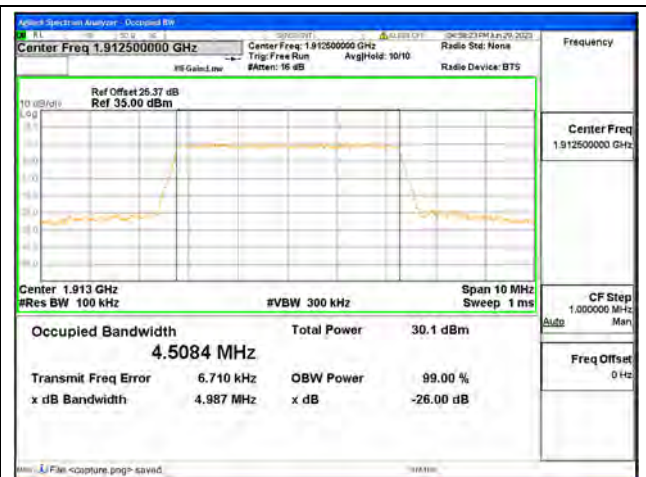
Band25 / 5MHz / 16QAM/ Mid CH



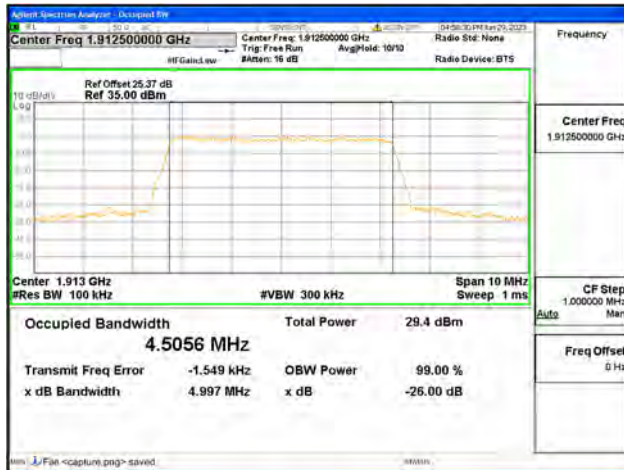
Band25 / 5MHz / 64QAM/ Mid CH



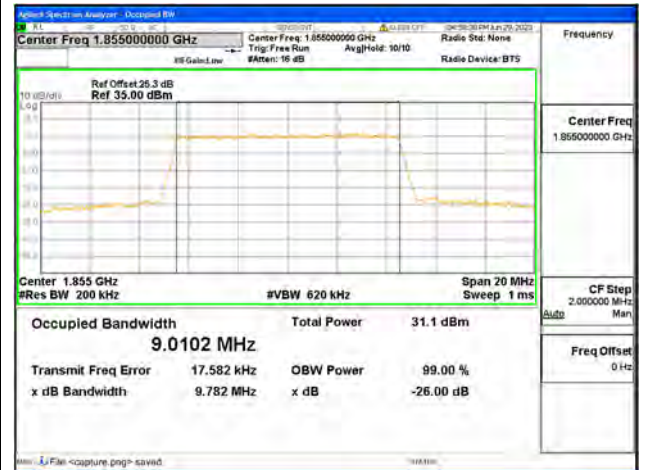
Band25 / 5MHz / QPSK/ High CH



Band25 / 5MHz / 16QAM/ High CH



Band25 / 5MHz / 64QAM/ High CH



Band25 / 10MHz / QPSK/ Low CH



Band25 / 10MHz / 16QAM/ Low CH



Band25 / 10MHz / 64QAM/ Low CH





Band25 / 10MHz / QPSK/ Mid CH



Band25 / 10MHz / 16QAM/ Mid CH



Band25 / 10MHz / 64QAM/ Mid CH



Band25 / 10MHz / QPSK/ High CH



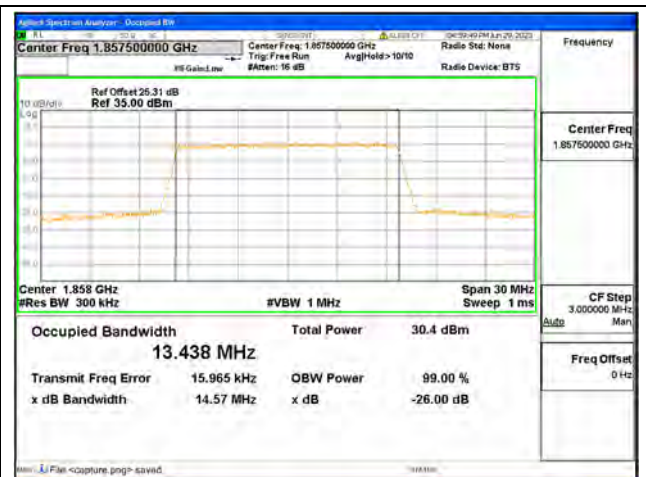
Band25 / 10MHz / 16QAM/ High CH



Band25 / 10MHz / 64QAM/ High CH



Band25 / 15MHz / QPSK/ Low CH



Band25 / 15MHz / 16QAM/ Low CH



Band25 / 15MHz / 64QAM/ Low CH



Band25 / 15MHz / QPSK/ Mid CH



Band25 / 15MHz / 16QAM/ Mid CH



Band25 / 15MHz / 64QAM/ Mid CH