



REPORT No. : SZ22120012W03

# TEST REPORT

**APPLICANT** : Shenzhen Chainway Information  
Technology Co., Ltd

**PRODUCT NAME** : Mobile Data Terminal

**MODEL NAME** : C5

**BRAND NAME** : CHAINWAY

**FCC ID** : 2AC6AC5P

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

**RECEIPT DATE** : 2023-02-21

**TEST DATE** : 2023-02-23 to 2023-04-11

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# DIRECTORY

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| Change History |            |                   |
|----------------|------------|-------------------|
| Version        | Date       | Reason for change |
| 1.0            | 2023-07-31 | First edition     |
|                |            |                   |



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

|                              |                                                                                                                                    |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant:</b>            | Shenzhen Chainway Information Technology Co., Ltd                                                                                  |
| <b>Applicant Address:</b>    | 9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China |
| <b>Manufacturer:</b>         | Shenzhen Chainway Information Technology Co., Ltd                                                                                  |
| <b>Manufacturer Address:</b> | 9F Building 2, Daqian Industrial Park, District 67, XingDong Community, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China |

## 1.2. Equipment Under Test (EUT) Description

|                          |                                                     |                     |
|--------------------------|-----------------------------------------------------|---------------------|
| <b>Product Name:</b>     | Mobile Data Terminal                                |                     |
| <b>Sample No.:</b>       | 13#                                                 |                     |
| <b>Hardware Version:</b> | C5_03                                               |                     |
| <b>Software Version:</b> | C5P.GL.A2.HB.FHD.GIT428573e93da.2022102114.V1.03.05 |                     |
| <b>Modulation Type:</b>  | QPSK, 16QAM, 64QAM                                  |                     |
| <b>Operation Band:</b>   | Band 2 / 4 / 5 / 7 / 12 / 17 / 38 / 40 / 41         |                     |
| <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 17                                         | Tx: 704MHz - 716MHz |
|                          |                                                     | Rx: 734MHz – 746MHz |



|                               |                        |                                         |
|-------------------------------|------------------------|-----------------------------------------|
| <b>Frequency Range:</b>       | LTE Band 38            | Tx: 2570MHz–2620MHz                     |
|                               |                        | Rx: 2570MHz–2620MHz                     |
|                               | LTE Band 40<br>Block A | Tx: 2305MHz–2315MHz                     |
|                               |                        | Rx: 2305MHz–2315MHz                     |
|                               | LTE Band 40<br>Block B | Tx: 2350MHz–2360MHz                     |
|                               |                        | Rx: 2350MHz–2360MHz                     |
| <b>Channel Bandwidth:</b>     | LTE Band 41            | Tx: 2496MHz –2690MHz                    |
|                               |                        | Rx: 2496MHz –2690MHz                    |
|                               | 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 17            | 5 MHz, 10MHz                            |
|                               | LTE Band 38            | 5 MHz, 10MHz, 15MHz, 20MHz              |
|                               | LTE Band 40            | 5 MHz, 10MHz                            |
|                               | LTE Band 41            | 5 MHz, 10MHz, 15MHz, 20MHz              |
| <b>Antenna Type:</b>          | PIFA Antenna           |                                         |
| <b>Frequency Range:</b>       | LTE Band 2             | -0.15dBi                                |
|                               | LTE Band 4             | -0.96dBi                                |
|                               | LTE Band 5             | -2.37dBi                                |
|                               | LTE Band 7             | -0.58dBi                                |
|                               | LTE Band 12            | -3.60dBi                                |
|                               | LTE Band 17            | -3.60dBi                                |
|                               | LTE Band 38            | -0.01dBi                                |
|                               | LTE Band 40            | 0.80dBi                                 |
|                               | LTE Band 41            | 0.28dBi                                 |
| <b>Accessory Information:</b> | Battery                |                                         |
|                               | Brand Name:            | Chainway                                |
|                               | Model No.:             | C5                                      |
|                               | Serial No.:            | N/A                                     |
|                               | Capacity:              | 6300mAh                                 |
|                               | Rated Voltage:         | 3.6V                                    |
|                               | Charge Limit:          | 4.2V                                    |
|                               | Manufacturer:          | DONGGUAN BOB ELECTRONICS CO.,LTD        |



|                               |                |                                            |
|-------------------------------|----------------|--------------------------------------------|
| <b>Accessory Information:</b> | Battery 2      |                                            |
|                               | Brand Name:    | ZOUYOU                                     |
|                               | Model No.:     | 501030                                     |
|                               | Serial No.:    | N/A                                        |
|                               | Capacity:      | 100mAh                                     |
|                               | Rated Voltage: | 3.7V                                       |
|                               | Charge Limit:  | 4.2V                                       |
|                               | Manufacturer:  | Shenzhen Zonyou Power Co., Ltd.            |
|                               | AC Adapter     |                                            |
|                               | Brand Name:    | ULLPOWER                                   |
|                               | Model No.:     | NA010050020                                |
|                               | Serial No.:    | N/A                                        |
|                               | Rated Output:  | 5V $\Rightarrow$ 2A                        |
|                               | Rated Input:   | 100-240V $\sim$ 50/60Hz, 0.5A              |
|                               | Manufacturer:  | Shenzhen Shi Yingyuan Electronics Co., Ltd |
|                               | USB Cable      |                                            |
|                               | Model No.:     | 1.8.17.095                                 |
|                               | Manufacturer:  | King Power Electronics Co., Ltd.           |

**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          | 0.197                       | 0.161 | 0.130 | 18M0G7D                      | 18M0W7D | 18M0W7D |
| 15          | 0.192                       | 0.158 | 0.127 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.187                       | 0.153 | 0.123 | 9M01G7D                      | 8M99W7D | 9M00W7D |
| 5           | 0.182                       | 0.149 | 0.120 | 4M50G7D                      | 4M51W7D | 4M50W7D |
| 3           | 0.178                       | 0.146 | 0.117 | 2M69G7D                      | 2M69W7D | 2M70W7D |
| 1.4         | 0.176                       | 0.145 | 0.116 | 1M09G7D                      | 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          | 0.163                       | 0.138 | 0.108 | 18M0G7D                      | 18M0W7D | 18M0W7D |
| 15          | 0.158                       | 0.134 | 0.105 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.154                       | 0.130 | 0.103 | 9M01G7D                      | 8M98W7D | 8M99W7D |
| 5           | 0.151                       | 0.128 | 0.100 | 4M50G7D                      | 4M51W7D | 4M50W7D |
| 3           | 0.148                       | 0.125 | 0.098 | 2M69G7D                      | 2M70W7D | 2M70W7D |
| 1.4         | 0.146                       | 0.124 | 0.097 | 1M10G7D                      | 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          | 0.081                       | 0.067 | 0.052 | 9M01G7D                      | 8M97W7D | 8M99W7D |
| 5           | 0.079                       | 0.065 | 0.051 | 4M51G7D                      | 4M51W7D | 4M51W7D |
| 3           | 0.077                       | 0.064 | 0.050 | 2M69G7D                      | 2M70W7D | 2M70W7D |
| 1.4         | 0.076                       | 0.062 | 0.049 | 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          | 0.178                       | 0.149 | 0.119 | 18M0G7D                      | 18M0W7D | 18M0W7D |
| 15          | 0.176                       | 0.148 | 0.117 | 13M5G7D                      | 13M5W7D | 13M5W7D |
| 10          | 0.174                       | 0.146 | 0.116 | 9M01G7D                      | 8M98W7D | 8M98W7D |
| 5           | 0.172                       | 0.144 | 0.115 | 4M50G7D                      | 4M50W7D | 4M51W7D |
| 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          | 0.057                       | 0.048 | 0.038 | 9M03G7D                      | 9M00W7D | 9M03W7D |
| 5           | 0.056                       | 0.047 | 0.037 | 4M52G7D                      | 4M53W7D | 4M54W7D |
| 3           | 0.054                       | 0.046 | 0.037 | 2M69G7D                      | 2M69W7D | 2M70W7D |
| 1.4         | 0.054                       | 0.045 | 0.035 | 1M09G7D                      | 1M10W7D | 1M10W7D |



| <b>LTE Band 17</b>         | <b>Maximum E.R.P./E.I.R.P. (W)</b> |       |       | <b>Emission Designator (99%OBW)</b> |         |         |
|----------------------------|------------------------------------|-------|-------|-------------------------------------|---------|---------|
| BW(MHz)                    | QPSK                               | 16QAM | 64QAM | QPSK                                | 16QAM   | 64QAM   |
| 10                         | 0.060                              | 0.047 | 0.038 | 9M00G7D                             | 8M97W7D | 8M99W7D |
| 5                          | 0.059                              | 0.046 | 0.037 | 4M52G7D                             | 4M52W7D | 4M53W7D |
| <b>LTE Band 38</b>         | <b>Maximum E.R.P./E.I.R.P. (W)</b> |       |       | <b>Emission Designator (99%OBW)</b> |         |         |
| BW(MHz)                    | QPSK                               | 16QAM | 64QAM | QPSK                                | 16QAM   | 64QAM   |
| 20                         | 0.226                              | 0.186 | 0.149 | 18M0G7D                             | 18M0W7D | 18M0W7D |
| 15                         | 0.221                              | 0.182 | 0.146 | 13M5G7D                             | 13M5W7D | 13M5W7D |
| 10                         | 0.217                              | 0.178 | 0.143 | 8M98G7D                             | 8M99W7D | 8M99W7D |
| 5                          | 0.212                              | 0.175 | 0.140 | 4M50G7D                             | 4M51W7D | 4M52W7D |
| <b>LTE Band 40 Block A</b> | <b>Maximum E.R.P./E.I.R.P. (W)</b> |       |       | <b>Emission Designator (99%OBW)</b> |         |         |
| BW(MHz)                    | QPSK                               | 16QAM | 64QAM | QPSK                                | 16QAM   | 64QAM   |
| 10                         | 0.275                              | 0.210 | 0.178 | 8M99G7D                             | 8M98W7D | 9M00W7D |
| 5                          | 0.249                              | 0.214 | 0.169 | 4M52G7D                             | 4M52W7D | 4M53W7D |
| <b>LTE Band 40 Block B</b> | <b>Maximum E.R.P./E.I.R.P. (W)</b> |       |       | <b>Emission Designator (99%OBW)</b> |         |         |
| 10                         | 0.274                              | 0.207 | 0.170 | 9M02G7D                             | 9M00W7D | 8M99W7D |
| 5                          | 0.247                              | 0.206 | 0.163 | 4M52G7D                             | 4M52W7D | 4M52W7D |
| <b>LTE Band 41</b>         | <b>Maximum E.R.P./E.I.R.P. (W)</b> |       |       | <b>Emission Designator (99%OBW)</b> |         |         |
| BW(MHz)                    | QPSK                               | 16QAM | 64QAM | QPSK                                | 16QAM   | 64QAM   |
| 20                         | 0.248                              | 0.197 | 0.156 | 18M0G7D                             | 18M0W7D | 18M0W7D |
| 15                         | 0.242                              | 0.192 | 0.152 | 13M5G7D                             | 13M5W7D | 13M5W7D |
| 10                         | 0.237                              | 0.188 | 0.149 | 8M99G7D                             | 8M99W7D | 9M00W7D |
| 5                          | 0.233                              | 0.185 | 0.146 | 4M50G7D                             | 4M51W7D | 4M51W7D |



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2, Part 22, Part 24, 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(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. | Feb. 23, 2023 | Chen Hao<br>Li Huaijie | PASS   | No deviation                 |
| 2.1049                                                                                           | Occupied<br>Bandwidth                                              | Feb. 23, 2023 | Li Huaijie             | PASS   | No deviation                 |
| 2.1055<br>22.355<br>24.235<br>27.54                                                              | Frequency<br>Stability                                             | Feb. 23, 2023 | Li Huaijie             | PASS   | No deviation                 |
| 24.232(d),<br>27.50(d)(5)                                                                        | Peak to<br>Average Radio                                           | Feb. 23, 2023 | Li Huaijie             | PASS   | No deviation                 |
| 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(a)(4)<br>27.53(g)<br>27.53(h)<br>27.53(m)(4)           | Conducted<br>Spurious<br>Emissions                                 | Feb. 23, 2023 | Li Huaijie             | PASS   | No deviation                 |
| 2.1051<br>22.917(a)                                                                              | Band Edge                                                          | Feb. 23, 2023 | Li Huaijie             | PASS   | No deviation                 |



|                                                                                        |                                   |               |         |      |              |
|----------------------------------------------------------------------------------------|-----------------------------------|---------------|---------|------|--------------|
| 24.238(a)<br>27.53(a)(4)<br>27.53(g)<br>27.53(h)<br>27.53(m)(4)                        |                                   |               |         |      |              |
| 2.1053<br>22.917(a)<br>24.238(a)<br>27.53(a)(4)<br>27.53(g)<br>27.53(h)<br>27.53(m)(4) | Radiated<br>Spurious<br>Emissions | Mar. 14, 2023 | Su Zhan | 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&H&L&M 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, 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, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

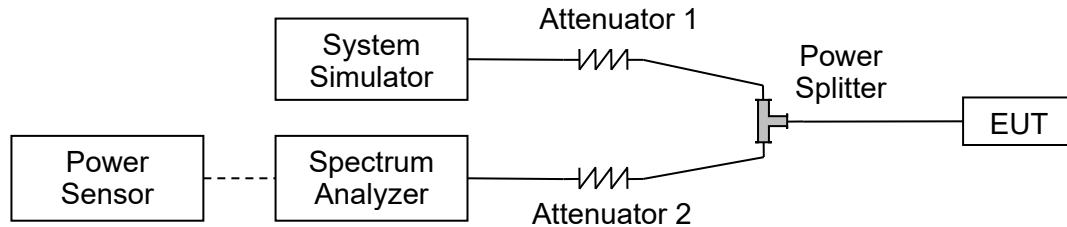
According to FCC section 22.913 (a)(2) for LTE Band 5, the E.R.P. of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 27.50 (h)(2) for LTE Band 7/38/41, 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 (c)(10) for LTE Band 12/17, 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 40, For 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 mill watts 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         | 23.00                         | 23.09                            | 22.96                          |
| 20              | QPSK       | 1       | 49        | 22.93                         | 23.03                            | 22.96                          |
| 20              | QPSK       | 1       | 99        | 23.00                         | 22.92                            | 23.01                          |
| 20              | QPSK       | 50      | 0         | 22.16                         | 22.18                            | 22.11                          |
| 20              | QPSK       | 50      | 24        | 22.01                         | 22.14                            | 22.01                          |
| 20              | QPSK       | 50      | 50        | 22.10                         | 22.09                            | 22.13                          |
| 20              | QPSK       | 100     | 0         | 22.05                         | 22.06                            | 22.07                          |
| 20              | 16QAM      | 1       | 0         | 22.07                         | 22.23                            | 21.96                          |
| 20              | 16QAM      | 1       | 49        | 22.07                         | 22.22                            | 22.07                          |
| 20              | 16QAM      | 1       | 99        | 22.00                         | 22.05                            | 22.04                          |
| 20              | 16QAM      | 50      | 0         | 21.11                         | 21.23                            | 21.16                          |
| 20              | 16QAM      | 50      | 24        | 21.09                         | 21.04                            | 21.03                          |
| 20              | 16QAM      | 50      | 50        | 21.04                         | 21.03                            | 21.06                          |
| 20              | 16QAM      | 100     | 0         | 21.04                         | 21.06                            | 21.08                          |
| 20              | 64QAM      | 1       | 0         | 21.07                         | 21.28                            | 21.15                          |
| 20              | 64QAM      | 1       | 49        | 21.10                         | 21.17                            | 20.97                          |
| 20              | 64QAM      | 1       | 99        | 21.00                         | 21.01                            | 21.04                          |
| 20              | 64QAM      | 50      | 0         | 20.20                         | 20.25                            | 20.16                          |
| 20              | 64QAM      | 50      | 24        | 20.07                         | 20.14                            | 20.04                          |
| 20              | 64QAM      | 50      | 50        | 20.11                         | 20.06                            | 20.08                          |
| 20              | 64QAM      | 100     | 0         | 20.10                         | 20.13                            | 20.09                          |



| 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         | 22.90                         | 22.99                            | 22.86                          |
| 15              | QPSK       | 1       | 37        | 22.83                         | 22.93                            | 22.86                          |
| 15              | QPSK       | 1       | 74        | 22.90                         | 22.82                            | 22.91                          |
| 15              | QPSK       | 36      | 0         | 22.06                         | 22.08                            | 22.01                          |
| 15              | QPSK       | 36      | 20        | 21.91                         | 22.04                            | 21.91                          |
| 15              | QPSK       | 36      | 39        | 22.00                         | 21.99                            | 22.03                          |
| 15              | QPSK       | 75      | 0         | 21.95                         | 21.96                            | 21.97                          |
| 15              | 16QAM      | 1       | 0         | 21.97                         | 22.13                            | 21.86                          |
| 15              | 16QAM      | 1       | 37        | 21.97                         | 22.12                            | 21.97                          |
| 15              | 16QAM      | 1       | 74        | 21.90                         | 21.95                            | 21.94                          |
| 15              | 16QAM      | 36      | 0         | 21.01                         | 21.13                            | 21.06                          |
| 15              | 16QAM      | 36      | 20        | 20.99                         | 20.94                            | 20.93                          |
| 15              | 16QAM      | 36      | 39        | 20.94                         | 20.93                            | 20.96                          |
| 15              | 16QAM      | 75      | 0         | 20.94                         | 20.96                            | 20.98                          |
| 15              | 64QAM      | 1       | 0         | 20.97                         | 21.18                            | 21.05                          |
| 15              | 64QAM      | 1       | 37        | 21.00                         | 21.07                            | 20.87                          |
| 15              | 64QAM      | 1       | 74        | 20.90                         | 20.91                            | 20.94                          |
| 15              | 64QAM      | 36      | 0         | 20.10                         | 20.15                            | 20.06                          |
| 15              | 64QAM      | 36      | 20        | 19.97                         | 20.04                            | 19.94                          |
| 15              | 64QAM      | 36      | 39        | 20.01                         | 19.96                            | 19.98                          |
| 15              | 64QAM      | 75      | 0         | 20.00                         | 20.03                            | 19.99                          |



| 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         | 22.78                         | 22.87                            | 22.74                          |
| 10              | QPSK       | 1       | 25        | 22.71                         | 22.81                            | 22.74                          |
| 10              | QPSK       | 1       | 49        | 22.78                         | 22.70                            | 22.79                          |
| 10              | QPSK       | 25      | 0         | 21.94                         | 21.96                            | 21.89                          |
| 10              | QPSK       | 25      | 12        | 21.79                         | 21.92                            | 21.79                          |
| 10              | QPSK       | 25      | 25        | 21.88                         | 21.87                            | 21.91                          |
| 10              | QPSK       | 50      | 0         | 21.83                         | 21.84                            | 21.85                          |
| 10              | 16QAM      | 1       | 0         | 21.85                         | 22.01                            | 21.74                          |
| 10              | 16QAM      | 1       | 25        | 21.85                         | 22.00                            | 21.85                          |
| 10              | 16QAM      | 1       | 49        | 21.78                         | 21.83                            | 21.82                          |
| 10              | 16QAM      | 25      | 0         | 20.89                         | 21.01                            | 20.94                          |
| 10              | 16QAM      | 25      | 12        | 20.87                         | 20.82                            | 20.81                          |
| 10              | 16QAM      | 25      | 25        | 20.82                         | 20.81                            | 20.84                          |
| 10              | 16QAM      | 50      | 0         | 20.82                         | 20.84                            | 20.86                          |
| 10              | 64QAM      | 1       | 0         | 20.85                         | 21.06                            | 20.93                          |
| 10              | 64QAM      | 1       | 25        | 20.88                         | 20.95                            | 20.75                          |
| 10              | 64QAM      | 1       | 49        | 20.78                         | 20.79                            | 20.82                          |
| 10              | 64QAM      | 25      | 0         | 19.98                         | 20.03                            | 19.94                          |
| 10              | 64QAM      | 25      | 12        | 19.85                         | 19.92                            | 19.82                          |
| 10              | 64QAM      | 25      | 25        | 19.89                         | 19.84                            | 19.86                          |
| 10              | 64QAM      | 50      | 0         | 19.88                         | 19.91                            | 19.87                          |



| 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         | 22.66                         | 22.75                            | 22.62                          |
| 5               | QPSK       | 1       | 12        | 22.59                         | 22.69                            | 22.62                          |
| 5               | QPSK       | 1       | 24        | 22.66                         | 22.58                            | 22.67                          |
| 5               | QPSK       | 12      | 0         | 21.82                         | 21.84                            | 21.77                          |
| 5               | QPSK       | 12      | 7         | 21.67                         | 21.80                            | 21.67                          |
| 5               | QPSK       | 12      | 13        | 21.76                         | 21.75                            | 21.79                          |
| 5               | QPSK       | 25      | 0         | 21.71                         | 21.72                            | 21.73                          |
| 5               | 16QAM      | 1       | 0         | 21.73                         | 21.89                            | 21.62                          |
| 5               | 16QAM      | 1       | 12        | 21.73                         | 21.88                            | 21.73                          |
| 5               | 16QAM      | 1       | 24        | 21.66                         | 21.71                            | 21.70                          |
| 5               | 16QAM      | 12      | 0         | 20.77                         | 20.89                            | 20.82                          |
| 5               | 16QAM      | 12      | 7         | 20.75                         | 20.70                            | 20.69                          |
| 5               | 16QAM      | 12      | 13        | 20.70                         | 20.69                            | 20.72                          |
| 5               | 16QAM      | 25      | 0         | 20.70                         | 20.72                            | 20.74                          |
| 5               | 64QAM      | 1       | 0         | 20.73                         | 20.94                            | 20.81                          |
| 5               | 64QAM      | 1       | 12        | 20.76                         | 20.83                            | 20.63                          |
| 5               | 64QAM      | 1       | 24        | 20.66                         | 20.67                            | 20.70                          |
| 5               | 64QAM      | 12      | 0         | 19.86                         | 19.91                            | 19.82                          |
| 5               | 64QAM      | 12      | 7         | 19.73                         | 19.80                            | 19.70                          |
| 5               | 64QAM      | 12      | 13        | 19.77                         | 19.72                            | 19.74                          |
| 5               | 64QAM      | 25      | 0         | 19.76                         | 19.79                            | 19.75                          |



| 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         | 22.57                         | 22.66                            | 22.53                          |
| 3               | QPSK       | 1       | 8         | 22.50                         | 22.60                            | 22.53                          |
| 3               | QPSK       | 1       | 14        | 22.57                         | 22.49                            | 22.58                          |
| 3               | QPSK       | 8       | 0         | 21.73                         | 21.75                            | 21.68                          |
| 3               | QPSK       | 8       | 4         | 21.58                         | 21.71                            | 21.58                          |
| 3               | QPSK       | 8       | 7         | 21.67                         | 21.66                            | 21.70                          |
| 3               | QPSK       | 15      | 0         | 21.62                         | 21.63                            | 21.64                          |
| 3               | 16QAM      | 1       | 0         | 21.64                         | 21.80                            | 21.53                          |
| 3               | 16QAM      | 1       | 8         | 21.64                         | 21.79                            | 21.64                          |
| 3               | 16QAM      | 1       | 14        | 21.57                         | 21.62                            | 21.61                          |
| 3               | 16QAM      | 8       | 0         | 20.68                         | 20.80                            | 20.73                          |
| 3               | 16QAM      | 8       | 4         | 20.66                         | 20.61                            | 20.60                          |
| 3               | 16QAM      | 8       | 7         | 20.61                         | 20.60                            | 20.63                          |
| 3               | 16QAM      | 15      | 0         | 20.61                         | 20.63                            | 20.65                          |
| 3               | 64QAM      | 1       | 0         | 20.64                         | 20.85                            | 20.72                          |
| 3               | 64QAM      | 1       | 8         | 20.67                         | 20.74                            | 20.54                          |
| 3               | 64QAM      | 1       | 14        | 20.57                         | 20.58                            | 20.61                          |
| 3               | 64QAM      | 8       | 0         | 19.77                         | 19.82                            | 19.73                          |
| 3               | 64QAM      | 8       | 4         | 19.64                         | 19.71                            | 19.61                          |
| 3               | 64QAM      | 8       | 7         | 19.68                         | 19.63                            | 19.65                          |
| 3               | 64QAM      | 15      | 0         | 19.67                         | 19.70                            | 19.66                          |



| 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         | 22.52                         | 22.61                            | 22.48                          |
| 1.4             | QPSK       | 1       | 3         | 22.45                         | 22.55                            | 22.48                          |
| 1.4             | QPSK       | 1       | 5         | 22.52                         | 22.44                            | 22.53                          |
| 1.4             | QPSK       | 3       | 0         | 21.68                         | 21.70                            | 21.63                          |
| 1.4             | QPSK       | 3       | 1         | 21.53                         | 21.66                            | 21.53                          |
| 1.4             | QPSK       | 3       | 3         | 21.62                         | 21.61                            | 21.65                          |
| 1.4             | QPSK       | 6       | 0         | 21.57                         | 21.58                            | 21.59                          |
| 1.4             | 16QAM      | 1       | 0         | 21.59                         | 21.75                            | 21.48                          |
| 1.4             | 16QAM      | 1       | 3         | 21.59                         | 21.74                            | 21.59                          |
| 1.4             | 16QAM      | 1       | 5         | 21.52                         | 21.57                            | 21.56                          |
| 1.4             | 16QAM      | 3       | 0         | 20.63                         | 20.75                            | 20.68                          |
| 1.4             | 16QAM      | 3       | 1         | 20.61                         | 20.56                            | 20.55                          |
| 1.4             | 16QAM      | 3       | 3         | 20.56                         | 20.55                            | 20.58                          |
| 1.4             | 16QAM      | 6       | 0         | 20.56                         | 20.58                            | 20.60                          |
| 1.4             | 64QAM      | 1       | 0         | 20.59                         | 20.80                            | 20.67                          |
| 1.4             | 64QAM      | 1       | 3         | 20.62                         | 20.69                            | 20.49                          |
| 1.4             | 64QAM      | 1       | 5         | 20.52                         | 20.53                            | 20.56                          |
| 1.4             | 64QAM      | 3       | 0         | 19.72                         | 19.77                            | 19.68                          |
| 1.4             | 64QAM      | 3       | 1         | 19.59                         | 19.66                            | 19.56                          |
| 1.4             | 64QAM      | 3       | 3         | 19.63                         | 19.58                            | 19.60                          |
| 1.4             | 64QAM      | 6       | 0         | 19.62                         | 19.65                            | 19.61                          |



| 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            | 22.87                               | 23.07                                  | 23.02                                |
| 20              | QPSK       | 1          | 49           | 23.04                               | 23.03                                  | 23.00                                |
| 20              | QPSK       | 1          | 99           | 23.01                               | 23.04                                  | 23.00                                |
| 20              | QPSK       | 50         | 0            | 22.20                               | 22.27                                  | 22.10                                |
| 20              | QPSK       | 50         | 24           | 22.21                               | 22.25                                  | 22.18                                |
| 20              | QPSK       | 50         | 50           | 22.04                               | 22.13                                  | 22.07                                |
| 20              | QPSK       | 100        | 0            | 22.14                               | 22.18                                  | 22.08                                |
| 20              | 16QAM      | 1          | 0            | 22.33                               | 22.35                                  | 22.25                                |
| 20              | 16QAM      | 1          | 49           | 22.26                               | 22.29                                  | 22.15                                |
| 20              | 16QAM      | 1          | 99           | 21.99                               | 22.17                                  | 22.20                                |
| 20              | 16QAM      | 50         | 0            | 21.03                               | 21.25                                  | 21.26                                |
| 20              | 16QAM      | 50         | 24           | 21.29                               | 21.17                                  | 21.26                                |
| 20              | 16QAM      | 50         | 50           | 21.00                               | 20.99                                  | 21.21                                |
| 20              | 16QAM      | 100        | 0            | 21.21                               | 21.10                                  | 21.04                                |
| 20              | 64QAM      | 1          | 0            | 21.23                               | 21.23                                  | 21.26                                |
| 20              | 64QAM      | 1          | 49           | 21.31                               | 21.19                                  | 21.17                                |
| 20              | 64QAM      | 1          | 99           | 21.01                               | 21.14                                  | 21.24                                |
| 20              | 64QAM      | 50         | 0            | 20.10                               | 20.12                                  | 20.16                                |
| 20              | 64QAM      | 50         | 24           | 20.16                               | 20.23                                  | 20.12                                |
| 20              | 64QAM      | 50         | 50           | 20.16                               | 20.09                                  | 20.31                                |
| 20              | 64QAM      | 100        | 0            | 20.03                               | 20.13                                  | 20.20                                |



| 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            | 22.75                               | 22.95                                  | 22.90                                |
| 15              | QPSK       | 1          | 37           | 22.92                               | 22.91                                  | 22.88                                |
| 15              | QPSK       | 1          | 74           | 22.89                               | 22.92                                  | 22.88                                |
| 15              | QPSK       | 36         | 0            | 22.08                               | 22.15                                  | 21.98                                |
| 15              | QPSK       | 36         | 20           | 22.09                               | 22.13                                  | 22.06                                |
| 15              | QPSK       | 36         | 39           | 21.92                               | 22.01                                  | 21.95                                |
| 15              | QPSK       | 75         | 0            | 22.02                               | 22.06                                  | 21.96                                |
| 15              | 16QAM      | 1          | 0            | 22.21                               | 22.23                                  | 22.13                                |
| 15              | 16QAM      | 1          | 37           | 22.14                               | 22.17                                  | 22.03                                |
| 15              | 16QAM      | 1          | 74           | 21.87                               | 22.05                                  | 22.08                                |
| 15              | 16QAM      | 36         | 0            | 20.91                               | 21.13                                  | 21.14                                |
| 15              | 16QAM      | 36         | 20           | 21.17                               | 21.05                                  | 21.14                                |
| 15              | 16QAM      | 36         | 39           | 20.88                               | 20.87                                  | 21.09                                |
| 15              | 16QAM      | 75         | 0            | 21.09                               | 20.98                                  | 20.92                                |
| 15              | 64QAM      | 1          | 0            | 21.11                               | 21.11                                  | 21.14                                |
| 15              | 64QAM      | 1          | 37           | 21.19                               | 21.07                                  | 21.05                                |
| 15              | 64QAM      | 1          | 74           | 20.89                               | 21.02                                  | 21.12                                |
| 15              | 64QAM      | 36         | 0            | 19.98                               | 20.00                                  | 20.04                                |
| 15              | 64QAM      | 36         | 20           | 20.04                               | 20.11                                  | 20.00                                |
| 15              | 64QAM      | 36         | 39           | 20.04                               | 19.97                                  | 20.19                                |
| 15              | 64QAM      | 75         | 0            | 19.91                               | 20.01                                  | 20.08                                |



| 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            | 22.63                               | 22.83                                  | 22.78                                |
| 10              | QPSK       | 1          | 25           | 22.80                               | 22.79                                  | 22.76                                |
| 10              | QPSK       | 1          | 49           | 22.77                               | 22.80                                  | 22.76                                |
| 10              | QPSK       | 25         | 0            | 21.96                               | 22.03                                  | 21.86                                |
| 10              | QPSK       | 25         | 12           | 21.97                               | 22.01                                  | 21.94                                |
| 10              | QPSK       | 25         | 25           | 21.80                               | 21.89                                  | 21.83                                |
| 10              | QPSK       | 50         | 0            | 21.90                               | 21.94                                  | 21.84                                |
| 10              | 16QAM      | 1          | 0            | 22.09                               | 22.11                                  | 22.01                                |
| 10              | 16QAM      | 1          | 25           | 22.02                               | 22.05                                  | 21.91                                |
| 10              | 16QAM      | 1          | 49           | 21.75                               | 21.93                                  | 21.96                                |
| 10              | 16QAM      | 25         | 0            | 20.79                               | 21.01                                  | 21.02                                |
| 10              | 16QAM      | 25         | 12           | 21.05                               | 20.93                                  | 21.02                                |
| 10              | 16QAM      | 25         | 25           | 20.76                               | 20.75                                  | 20.97                                |
| 10              | 16QAM      | 50         | 0            | 20.97                               | 20.86                                  | 20.80                                |
| 10              | 64QAM      | 1          | 0            | 20.99                               | 20.99                                  | 21.02                                |
| 10              | 64QAM      | 1          | 25           | 21.07                               | 20.95                                  | 20.93                                |
| 10              | 64QAM      | 1          | 49           | 20.77                               | 20.90                                  | 21.00                                |
| 10              | 64QAM      | 25         | 0            | 19.86                               | 19.88                                  | 19.92                                |
| 10              | 64QAM      | 25         | 12           | 19.92                               | 19.99                                  | 19.88                                |
| 10              | 64QAM      | 25         | 25           | 19.92                               | 19.85                                  | 20.07                                |
| 10              | 64QAM      | 50         | 0            | 19.79                               | 19.89                                  | 19.96                                |



| 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            | 22.54                               | 22.74                                  | 22.69                                |
| 5               | QPSK       | 1          | 12           | 22.71                               | 22.70                                  | 22.67                                |
| 5               | QPSK       | 1          | 24           | 22.68                               | 22.71                                  | 22.67                                |
| 5               | QPSK       | 12         | 0            | 21.87                               | 21.94                                  | 21.77                                |
| 5               | QPSK       | 12         | 7            | 21.88                               | 21.92                                  | 21.85                                |
| 5               | QPSK       | 12         | 13           | 21.71                               | 21.80                                  | 21.74                                |
| 5               | QPSK       | 25         | 0            | 21.81                               | 21.85                                  | 21.75                                |
| 5               | 16QAM      | 1          | 0            | 22.00                               | 22.02                                  | 21.92                                |
| 5               | 16QAM      | 1          | 12           | 21.93                               | 21.96                                  | 21.82                                |
| 5               | 16QAM      | 1          | 24           | 21.66                               | 21.84                                  | 21.87                                |
| 5               | 16QAM      | 12         | 0            | 20.70                               | 20.92                                  | 20.93                                |
| 5               | 16QAM      | 12         | 7            | 20.96                               | 20.84                                  | 20.93                                |
| 5               | 16QAM      | 12         | 13           | 20.67                               | 20.66                                  | 20.88                                |
| 5               | 16QAM      | 25         | 0            | 20.88                               | 20.77                                  | 20.71                                |
| 5               | 64QAM      | 1          | 0            | 20.90                               | 20.90                                  | 20.93                                |
| 5               | 64QAM      | 1          | 12           | 20.98                               | 20.86                                  | 20.84                                |
| 5               | 64QAM      | 1          | 24           | 20.68                               | 20.81                                  | 20.91                                |
| 5               | 64QAM      | 12         | 0            | 19.77                               | 19.79                                  | 19.83                                |
| 5               | 64QAM      | 12         | 7            | 19.83                               | 19.90                                  | 19.79                                |
| 5               | 64QAM      | 12         | 13           | 19.83                               | 19.76                                  | 19.98                                |
| 5               | 64QAM      | 25         | 0            | 19.70                               | 19.80                                  | 19.87                                |



| 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            | 22.45                               | 22.65                                  | 22.60                                |
| 3               | QPSK       | 1          | 8            | 22.62                               | 22.61                                  | 22.58                                |
| 3               | QPSK       | 1          | 14           | 22.59                               | 22.62                                  | 22.58                                |
| 3               | QPSK       | 8          | 0            | 21.78                               | 21.85                                  | 21.68                                |
| 3               | QPSK       | 8          | 4            | 21.79                               | 21.83                                  | 21.76                                |
| 3               | QPSK       | 8          | 7            | 21.62                               | 21.71                                  | 21.65                                |
| 3               | QPSK       | 15         | 0            | 21.72                               | 21.76                                  | 21.66                                |
| 3               | 16QAM      | 1          | 0            | 21.91                               | 21.93                                  | 21.83                                |
| 3               | 16QAM      | 1          | 8            | 21.84                               | 21.87                                  | 21.73                                |
| 3               | 16QAM      | 1          | 14           | 21.57                               | 21.75                                  | 21.78                                |
| 3               | 16QAM      | 8          | 0            | 20.61                               | 20.83                                  | 20.84                                |
| 3               | 16QAM      | 8          | 4            | 20.87                               | 20.75                                  | 20.84                                |
| 3               | 16QAM      | 8          | 7            | 20.58                               | 20.57                                  | 20.79                                |
| 3               | 16QAM      | 15         | 0            | 20.79                               | 20.68                                  | 20.62                                |
| 3               | 64QAM      | 1          | 0            | 20.81                               | 20.81                                  | 20.84                                |
| 3               | 64QAM      | 1          | 8            | 20.89                               | 20.77                                  | 20.75                                |
| 3               | 64QAM      | 1          | 14           | 20.59                               | 20.72                                  | 20.82                                |
| 3               | 64QAM      | 8          | 0            | 19.68                               | 19.70                                  | 19.74                                |
| 3               | 64QAM      | 8          | 4            | 19.74                               | 19.81                                  | 19.70                                |
| 3               | 64QAM      | 8          | 7            | 19.74                               | 19.67                                  | 19.89                                |
| 3               | 64QAM      | 15         | 0            | 19.61                               | 19.71                                  | 19.78                                |



| 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            | 22.40                               | 22.60                                  | 22.55                                |
| 1.4             | QPSK       | 1          | 3            | 22.57                               | 22.56                                  | 22.53                                |
| 1.4             | QPSK       | 1          | 5            | 22.54                               | 22.57                                  | 22.53                                |
| 1.4             | QPSK       | 3          | 0            | 21.73                               | 21.80                                  | 21.63                                |
| 1.4             | QPSK       | 3          | 1            | 21.74                               | 21.78                                  | 21.71                                |
| 1.4             | QPSK       | 3          | 3            | 21.57                               | 21.66                                  | 21.60                                |
| 1.4             | QPSK       | 6          | 0            | 21.67                               | 21.71                                  | 21.61                                |
| 1.4             | 16QAM      | 1          | 0            | 21.86                               | 21.88                                  | 21.78                                |
| 1.4             | 16QAM      | 1          | 3            | 21.79                               | 21.82                                  | 21.68                                |
| 1.4             | 16QAM      | 1          | 5            | 21.52                               | 21.70                                  | 21.73                                |
| 1.4             | 16QAM      | 3          | 0            | 20.56                               | 20.78                                  | 20.79                                |
| 1.4             | 16QAM      | 3          | 1            | 20.82                               | 20.70                                  | 20.79                                |
| 1.4             | 16QAM      | 3          | 3            | 20.53                               | 20.52                                  | 20.74                                |
| 1.4             | 16QAM      | 6          | 0            | 20.74                               | 20.63                                  | 20.57                                |
| 1.4             | 64QAM      | 1          | 0            | 20.76                               | 20.76                                  | 20.79                                |
| 1.4             | 64QAM      | 1          | 3            | 20.84                               | 20.72                                  | 20.70                                |
| 1.4             | 64QAM      | 1          | 5            | 20.54                               | 20.67                                  | 20.77                                |
| 1.4             | 64QAM      | 3          | 0            | 19.63                               | 19.65                                  | 19.69                                |
| 1.4             | 64QAM      | 3          | 1            | 19.69                               | 19.76                                  | 19.65                                |
| 1.4             | 64QAM      | 3          | 3            | 19.69                               | 19.62                                  | 19.84                                |
| 1.4             | 64QAM      | 6          | 0            | 19.56                               | 19.66                                  | 19.73                                |



| 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            | 23.56                               | 23.61                                  | 23.52                                |
| 10              | QPSK       | 1       | 25           | 23.49                               | 23.57                                  | 23.50                                |
| 10              | QPSK       | 1       | 49           | 23.45                               | 23.52                                  | 23.49                                |
| 10              | QPSK       | 25      | 0            | 22.72                               | 22.73                                  | 22.65                                |
| 10              | QPSK       | 25      | 12           | 22.46                               | 22.46                                  | 22.73                                |
| 10              | QPSK       | 25      | 25           | 22.73                               | 22.51                                  | 22.76                                |
| 10              | QPSK       | 50      | 0            | 22.75                               | 22.75                                  | 22.70                                |
| 10              | 16QAM      | 1       | 0            | 22.74                               | 22.76                                  | 22.65                                |
| 10              | 16QAM      | 1       | 25           | 22.66                               | 22.74                                  | 22.50                                |
| 10              | 16QAM      | 1       | 49           | 22.64                               | 22.49                                  | 22.59                                |
| 10              | 16QAM      | 25      | 0            | 21.58                               | 21.78                                  | 21.81                                |
| 10              | 16QAM      | 25      | 12           | 21.71                               | 21.72                                  | 21.55                                |
| 10              | 16QAM      | 25      | 25           | 21.65                               | 21.60                                  | 21.68                                |
| 10              | 16QAM      | 50      | 0            | 21.55                               | 21.43                                  | 21.52                                |
| 10              | 64QAM      | 1       | 0            | 21.60                               | 21.71                                  | 21.62                                |
| 10              | 64QAM      | 1       | 25           | 21.55                               | 21.72                                  | 21.59                                |
| 10              | 64QAM      | 1       | 49           | 21.64                               | 21.50                                  | 21.51                                |
| 10              | 64QAM      | 25      | 0            | 20.65                               | 20.63                                  | 20.67                                |
| 10              | 64QAM      | 25      | 12           | 20.71                               | 20.77                                  | 20.69                                |
| 10              | 64QAM      | 25      | 25           | 20.58                               | 20.87                                  | 20.66                                |
| 10              | 64QAM      | 50      | 0            | 20.69                               | 20.68                                  | 20.73                                |



| 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            | 23.46                               | 23.51                                  | 23.42                                |
| 5               | QPSK       | 1       | 12           | 23.39                               | 23.47                                  | 23.40                                |
| 5               | QPSK       | 1       | 24           | 23.35                               | 23.42                                  | 23.39                                |
| 5               | QPSK       | 12      | 0            | 22.62                               | 22.63                                  | 22.55                                |
| 5               | QPSK       | 12      | 7            | 22.36                               | 22.36                                  | 22.63                                |
| 5               | QPSK       | 12      | 13           | 22.63                               | 22.41                                  | 22.66                                |
| 5               | QPSK       | 25      | 0            | 22.65                               | 22.65                                  | 22.60                                |
| 5               | 16QAM      | 1       | 0            | 22.64                               | 22.66                                  | 22.55                                |
| 5               | 16QAM      | 1       | 12           | 22.56                               | 22.64                                  | 22.40                                |
| 5               | 16QAM      | 1       | 24           | 22.54                               | 22.39                                  | 22.49                                |
| 5               | 16QAM      | 12      | 0            | 21.48                               | 21.68                                  | 21.71                                |
| 5               | 16QAM      | 12      | 7            | 21.61                               | 21.62                                  | 21.45                                |
| 5               | 16QAM      | 12      | 13           | 21.55                               | 21.50                                  | 21.58                                |
| 5               | 16QAM      | 25      | 0            | 21.45                               | 21.33                                  | 21.42                                |
| 5               | 64QAM      | 1       | 0            | 21.50                               | 21.61                                  | 21.52                                |
| 5               | 64QAM      | 1       | 12           | 21.45                               | 21.62                                  | 21.49                                |
| 5               | 64QAM      | 1       | 24           | 21.54                               | 21.40                                  | 21.41                                |
| 5               | 64QAM      | 12      | 0            | 20.55                               | 20.53                                  | 20.57                                |
| 5               | 64QAM      | 12      | 7            | 20.61                               | 20.67                                  | 20.59                                |
| 5               | 64QAM      | 12      | 13           | 20.48                               | 20.77                                  | 20.56                                |
| 5               | 64QAM      | 25      | 0            | 20.59                               | 20.58                                  | 20.63                                |



| 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            | 23.36                               | 23.41                                  | 23.32                                |
| 3               | QPSK       | 1       | 8            | 23.29                               | 23.37                                  | 23.30                                |
| 3               | QPSK       | 1       | 14           | 23.25                               | 23.32                                  | 23.29                                |
| 3               | QPSK       | 8       | 0            | 22.52                               | 22.53                                  | 22.45                                |
| 3               | QPSK       | 8       | 4            | 22.26                               | 22.26                                  | 22.53                                |
| 3               | QPSK       | 8       | 7            | 22.53                               | 22.31                                  | 22.56                                |
| 3               | QPSK       | 15      | 0            | 22.55                               | 22.55                                  | 22.50                                |
| 3               | 16QAM      | 1       | 0            | 22.54                               | 22.56                                  | 22.45                                |
| 3               | 16QAM      | 1       | 8            | 22.46                               | 22.54                                  | 22.30                                |
| 3               | 16QAM      | 1       | 14           | 22.44                               | 22.29                                  | 22.39                                |
| 3               | 16QAM      | 8       | 0            | 21.38                               | 21.58                                  | 21.61                                |
| 3               | 16QAM      | 8       | 4            | 21.51                               | 21.52                                  | 21.35                                |
| 3               | 16QAM      | 8       | 7            | 21.45                               | 21.40                                  | 21.48                                |
| 3               | 16QAM      | 15      | 0            | 21.35                               | 21.23                                  | 21.32                                |
| 3               | 64QAM      | 1       | 0            | 21.40                               | 21.51                                  | 21.42                                |
| 3               | 64QAM      | 1       | 8            | 21.35                               | 21.52                                  | 21.39                                |
| 3               | 64QAM      | 1       | 14           | 21.44                               | 21.30                                  | 21.31                                |
| 3               | 64QAM      | 8       | 0            | 20.45                               | 20.43                                  | 20.47                                |
| 3               | 64QAM      | 8       | 4            | 20.51                               | 20.57                                  | 20.49                                |
| 3               | 64QAM      | 8       | 7            | 20.38                               | 20.67                                  | 20.46                                |
| 3               | 64QAM      | 15      | 0            | 20.49                               | 20.48                                  | 20.53                                |



| 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            | 23.26                               | 23.31                                  | 23.22                                |
| 1.4             | QPSK       | 1       | 3            | 23.19                               | 23.27                                  | 23.20                                |
| 1.4             | QPSK       | 1       | 5            | 23.15                               | 23.22                                  | 23.19                                |
| 1.4             | QPSK       | 3       | 0            | 22.42                               | 22.43                                  | 22.35                                |
| 1.4             | QPSK       | 3       | 1            | 22.16                               | 22.16                                  | 22.43                                |
| 1.4             | QPSK       | 3       | 3            | 22.43                               | 22.21                                  | 22.46                                |
| 1.4             | QPSK       | 6       | 0            | 22.45                               | 22.45                                  | 22.40                                |
| 1.4             | 16QAM      | 1       | 0            | 22.44                               | 22.46                                  | 22.35                                |
| 1.4             | 16QAM      | 1       | 3            | 22.36                               | 22.44                                  | 22.20                                |
| 1.4             | 16QAM      | 1       | 5            | 22.34                               | 22.19                                  | 22.29                                |
| 1.4             | 16QAM      | 3       | 0            | 21.28                               | 21.48                                  | 21.51                                |
| 1.4             | 16QAM      | 3       | 1            | 21.41                               | 21.42                                  | 21.25                                |
| 1.4             | 16QAM      | 3       | 3            | 21.35                               | 21.30                                  | 21.38                                |
| 1.4             | 16QAM      | 6       | 0            | 21.25                               | 21.13                                  | 21.22                                |
| 1.4             | 64QAM      | 1       | 0            | 21.30                               | 21.41                                  | 21.32                                |
| 1.4             | 64QAM      | 1       | 3            | 21.25                               | 21.42                                  | 21.29                                |
| 1.4             | 64QAM      | 1       | 5            | 21.34                               | 21.20                                  | 21.21                                |
| 1.4             | 64QAM      | 3       | 0            | 20.35                               | 20.33                                  | 20.37                                |
| 1.4             | 64QAM      | 3       | 1            | 20.41                               | 20.47                                  | 20.39                                |
| 1.4             | 64QAM      | 3       | 3            | 20.28                               | 20.57                                  | 20.36                                |
| 1.4             | 64QAM      | 6       | 0            | 20.39                               | 20.38                                  | 20.43                                |



| 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            | 23.02                               | 23.07                                  | 23.02                                |
| 20              | QPSK       | 1          | 49           | 23.01                               | 23.03                                  | 23.01                                |
| 20              | QPSK       | 1          | 99           | 23.07                               | 22.98                                  | 23.09                                |
| 20              | QPSK       | 50         | 0            | 22.15                               | 22.28                                  | 22.09                                |
| 20              | QPSK       | 50         | 24           | 22.04                               | 22.10                                  | 22.18                                |
| 20              | QPSK       | 50         | 50           | 22.19                               | 22.18                                  | 22.27                                |
| 20              | QPSK       | 100        | 0            | 22.08                               | 22.08                                  | 22.07                                |
| 20              | 16QAM      | 1          | 0            | 22.25                               | 22.32                                  | 22.25                                |
| 20              | 16QAM      | 1          | 49           | 22.32                               | 22.27                                  | 22.15                                |
| 20              | 16QAM      | 1          | 99           | 22.02                               | 22.04                                  | 22.27                                |
| 20              | 16QAM      | 50         | 0            | 21.03                               | 21.35                                  | 21.30                                |
| 20              | 16QAM      | 50         | 24           | 21.13                               | 21.28                                  | 21.02                                |
| 20              | 16QAM      | 50         | 50           | 21.04                               | 21.05                                  | 21.18                                |
| 20              | 16QAM      | 100        | 0            | 21.08                               | 21.00                                  | 21.02                                |
| 20              | 64QAM      | 1          | 0            | 21.09                               | 21.33                                  | 21.21                                |
| 20              | 64QAM      | 1          | 49           | 21.28                               | 21.20                                  | 21.25                                |
| 20              | 64QAM      | 1          | 99           | 20.94                               | 21.30                                  | 20.99                                |
| 20              | 64QAM      | 50         | 0            | 20.36                               | 20.20                                  | 20.30                                |
| 20              | 64QAM      | 50         | 24           | 20.16                               | 20.20                                  | 20.07                                |
| 20              | 64QAM      | 50         | 50           | 20.34                               | 20.24                                  | 20.23                                |
| 20              | 64QAM      | 100        | 0            | 20.08                               | 20.41                                  | 20.30                                |



| 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            | 22.97                               | 23.02                                  | 22.97                                |
| 15              | QPSK       | 1          | 37           | 22.96                               | 22.98                                  | 22.96                                |
| 15              | QPSK       | 1          | 74           | 23.02                               | 22.93                                  | 23.04                                |
| 15              | QPSK       | 36         | 0            | 22.10                               | 22.23                                  | 22.04                                |
| 15              | QPSK       | 36         | 20           | 21.99                               | 22.05                                  | 22.13                                |
| 15              | QPSK       | 36         | 39           | 22.14                               | 22.13                                  | 22.22                                |
| 15              | QPSK       | 75         | 0            | 22.03                               | 22.03                                  | 22.02                                |
| 15              | 16QAM      | 1          | 0            | 22.20                               | 22.27                                  | 22.20                                |
| 15              | 16QAM      | 1          | 37           | 22.27                               | 22.22                                  | 22.10                                |
| 15              | 16QAM      | 1          | 74           | 21.97                               | 21.99                                  | 22.22                                |
| 15              | 16QAM      | 36         | 0            | 20.98                               | 21.30                                  | 21.25                                |
| 15              | 16QAM      | 36         | 20           | 21.08                               | 21.23                                  | 20.97                                |
| 15              | 16QAM      | 36         | 39           | 20.99                               | 21.00                                  | 21.13                                |
| 15              | 16QAM      | 75         | 0            | 21.03                               | 20.95                                  | 20.97                                |
| 15              | 64QAM      | 1          | 0            | 21.04                               | 21.28                                  | 21.16                                |
| 15              | 64QAM      | 1          | 37           | 21.23                               | 21.15                                  | 21.20                                |
| 15              | 64QAM      | 1          | 74           | 20.89                               | 21.25                                  | 20.94                                |
| 15              | 64QAM      | 36         | 0            | 20.31                               | 20.15                                  | 20.25                                |
| 15              | 64QAM      | 36         | 20           | 20.11                               | 20.15                                  | 20.02                                |
| 15              | 64QAM      | 36         | 39           | 20.29                               | 20.19                                  | 20.18                                |
| 15              | 64QAM      | 75         | 0            | 20.03                               | 20.36                                  | 20.25                                |



| 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            | 22.92                               | 22.97                                  | 22.92                                |
| 10              | QPSK       | 1          | 25           | 22.91                               | 22.93                                  | 22.91                                |
| 10              | QPSK       | 1          | 49           | 22.97                               | 22.88                                  | 22.99                                |
| 10              | QPSK       | 25         | 0            | 22.05                               | 22.18                                  | 21.99                                |
| 10              | QPSK       | 25         | 12           | 21.94                               | 22.00                                  | 22.08                                |
| 10              | QPSK       | 25         | 25           | 22.09                               | 22.08                                  | 22.17                                |
| 10              | QPSK       | 50         | 0            | 21.98                               | 21.98                                  | 21.97                                |
| 10              | 16QAM      | 1          | 0            | 22.15                               | 22.22                                  | 22.15                                |
| 10              | 16QAM      | 1          | 25           | 22.22                               | 22.17                                  | 22.05                                |
| 10              | 16QAM      | 1          | 49           | 21.92                               | 21.94                                  | 22.17                                |
| 10              | 16QAM      | 25         | 0            | 20.93                               | 21.25                                  | 21.20                                |
| 10              | 16QAM      | 25         | 12           | 21.03                               | 21.18                                  | 20.92                                |
| 10              | 16QAM      | 25         | 25           | 20.94                               | 20.95                                  | 21.08                                |
| 10              | 16QAM      | 50         | 0            | 20.98                               | 20.90                                  | 20.92                                |
| 10              | 64QAM      | 1          | 0            | 20.99                               | 21.23                                  | 21.11                                |
| 10              | 64QAM      | 1          | 25           | 21.18                               | 21.10                                  | 21.15                                |
| 10              | 64QAM      | 1          | 49           | 20.84                               | 21.20                                  | 20.89                                |
| 10              | 64QAM      | 25         | 0            | 20.26                               | 20.10                                  | 20.20                                |
| 10              | 64QAM      | 25         | 12           | 20.06                               | 20.10                                  | 19.97                                |
| 10              | 64QAM      | 25         | 25           | 20.24                               | 20.14                                  | 20.13                                |
| 10              | 64QAM      | 50         | 0            | 19.98                               | 20.31                                  | 20.20                                |



| 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            | 22.87                               | 22.92                                  | 22.87                                |
| 5               | QPSK       | 1          | 12           | 22.86                               | 22.88                                  | 22.86                                |
| 5               | QPSK       | 1          | 24           | 22.92                               | 22.83                                  | 22.94                                |
| 5               | QPSK       | 12         | 0            | 22.00                               | 22.13                                  | 21.94                                |
| 5               | QPSK       | 12         | 7            | 21.89                               | 21.95                                  | 22.03                                |
| 5               | QPSK       | 12         | 13           | 22.04                               | 22.03                                  | 22.12                                |
| 5               | QPSK       | 25         | 0            | 21.93                               | 21.93                                  | 21.92                                |
| 5               | 16QAM      | 1          | 0            | 22.10                               | 22.17                                  | 22.10                                |
| 5               | 16QAM      | 1          | 12           | 22.17                               | 22.12                                  | 22.00                                |
| 5               | 16QAM      | 1          | 24           | 21.87                               | 21.89                                  | 22.12                                |
| 5               | 16QAM      | 12         | 0            | 20.88                               | 21.20                                  | 21.15                                |
| 5               | 16QAM      | 12         | 7            | 20.98                               | 21.13                                  | 20.87                                |
| 5               | 16QAM      | 12         | 13           | 20.89                               | 20.90                                  | 21.03                                |
| 5               | 16QAM      | 25         | 0            | 20.93                               | 20.85                                  | 20.87                                |
| 5               | 64QAM      | 1          | 0            | 20.94                               | 21.18                                  | 21.06                                |
| 5               | 64QAM      | 1          | 12           | 21.13                               | 21.05                                  | 21.10                                |
| 5               | 64QAM      | 1          | 24           | 20.79                               | 21.15                                  | 20.84                                |
| 5               | 64QAM      | 12         | 0            | 20.21                               | 20.05                                  | 20.15                                |
| 5               | 64QAM      | 12         | 7            | 20.01                               | 20.05                                  | 19.92                                |
| 5               | 64QAM      | 12         | 13           | 20.19                               | 20.09                                  | 20.08                                |
| 5               | 64QAM      | 25         | 0            | 19.93                               | 20.26                                  | 20.15                                |



| 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            | 23.11                               | 23.29                                  | 23.20                                |
| 10              | QPSK       | 1          | 25           | 23.21                               | 23.20                                  | 23.27                                |
| 10              | QPSK       | 1          | 49           | 23.17                               | 23.20                                  | 23.25                                |
| 10              | QPSK       | 25         | 0            | 22.38                               | 22.49                                  | 22.22                                |
| 10              | QPSK       | 25         | 12           | 22.36                               | 22.40                                  | 22.30                                |
| 10              | QPSK       | 25         | 25           | 22.26                               | 22.45                                  | 22.48                                |
| 10              | QPSK       | 50         | 0            | 22.26                               | 22.38                                  | 22.23                                |
| 10              | 16QAM      | 1          | 0            | 22.44                               | 22.40                                  | 22.36                                |
| 10              | 16QAM      | 1          | 25           | 22.53                               | 22.28                                  | 22.27                                |
| 10              | 16QAM      | 1          | 49           | 22.19                               | 22.32                                  | 22.31                                |
| 10              | 16QAM      | 25         | 0            | 21.47                               | 21.55                                  | 21.51                                |
| 10              | 16QAM      | 25         | 12           | 21.37                               | 21.39                                  | 21.34                                |
| 10              | 16QAM      | 25         | 25           | 21.43                               | 21.28                                  | 21.47                                |
| 10              | 16QAM      | 50         | 0            | 21.27                               | 21.31                                  | 21.14                                |
| 10              | 64QAM      | 1          | 0            | 21.15                               | 21.56                                  | 21.55                                |
| 10              | 64QAM      | 1          | 25           | 21.41                               | 21.37                                  | 21.54                                |
| 10              | 64QAM      | 1          | 49           | 21.32                               | 21.36                                  | 21.27                                |
| 10              | 64QAM      | 25         | 0            | 20.32                               | 20.42                                  | 20.27                                |
| 10              | 64QAM      | 25         | 12           | 20.29                               | 20.23                                  | 20.24                                |
| 10              | 64QAM      | 25         | 25           | 20.56                               | 20.29                                  | 20.35                                |
| 10              | 64QAM      | 50         | 0            | 20.26                               | 20.27                                  | 20.41                                |



| 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            | 23.02                               | 23.20                                  | 23.11                                |
| 5               | QPSK       | 1          | 12           | 23.12                               | 23.11                                  | 23.18                                |
| 5               | QPSK       | 1          | 24           | 23.08                               | 23.11                                  | 23.16                                |
| 5               | QPSK       | 12         | 0            | 22.29                               | 22.40                                  | 22.13                                |
| 5               | QPSK       | 12         | 7            | 22.27                               | 22.31                                  | 22.21                                |
| 5               | QPSK       | 12         | 13           | 22.17                               | 22.36                                  | 22.39                                |
| 5               | QPSK       | 25         | 0            | 22.17                               | 22.29                                  | 22.14                                |
| 5               | 16QAM      | 1          | 0            | 22.35                               | 22.31                                  | 22.27                                |
| 5               | 16QAM      | 1          | 12           | 22.44                               | 22.19                                  | 22.18                                |
| 5               | 16QAM      | 1          | 24           | 22.10                               | 22.23                                  | 22.22                                |
| 5               | 16QAM      | 12         | 0            | 21.38                               | 21.46                                  | 21.42                                |
| 5               | 16QAM      | 12         | 7            | 21.28                               | 21.30                                  | 21.25                                |
| 5               | 16QAM      | 12         | 13           | 21.34                               | 21.19                                  | 21.38                                |
| 5               | 16QAM      | 25         | 0            | 21.18                               | 21.22                                  | 21.05                                |
| 5               | 64QAM      | 1          | 0            | 21.06                               | 21.47                                  | 21.46                                |
| 5               | 64QAM      | 1          | 12           | 21.32                               | 21.28                                  | 21.45                                |
| 5               | 64QAM      | 1          | 24           | 21.23                               | 21.27                                  | 21.18                                |
| 5               | 64QAM      | 12         | 0            | 20.23                               | 20.33                                  | 20.18                                |
| 5               | 64QAM      | 12         | 7            | 20.20                               | 20.14                                  | 20.15                                |
| 5               | 64QAM      | 12         | 13           | 20.47                               | 20.20                                  | 20.26                                |
| 5               | 64QAM      | 25         | 0            | 20.17                               | 20.18                                  | 20.32                                |



| 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            | 22.93                               | 23.11                                  | 23.02                                |
| 3               | QPSK       | 1          | 8            | 23.03                               | 23.02                                  | 23.09                                |
| 3               | QPSK       | 1          | 14           | 22.99                               | 23.02                                  | 23.07                                |
| 3               | QPSK       | 8          | 0            | 22.20                               | 22.31                                  | 22.04                                |
| 3               | QPSK       | 8          | 4            | 22.18                               | 22.22                                  | 22.12                                |
| 3               | QPSK       | 8          | 7            | 22.08                               | 22.27                                  | 22.30                                |
| 3               | QPSK       | 15         | 0            | 22.08                               | 22.20                                  | 22.05                                |
| 3               | 16QAM      | 1          | 0            | 22.26                               | 22.22                                  | 22.18                                |
| 3               | 16QAM      | 1          | 8            | 22.35                               | 22.10                                  | 22.09                                |
| 3               | 16QAM      | 1          | 14           | 22.01                               | 22.14                                  | 22.13                                |
| 3               | 16QAM      | 8          | 0            | 21.29                               | 21.37                                  | 21.33                                |
| 3               | 16QAM      | 8          | 4            | 21.19                               | 21.21                                  | 21.16                                |
| 3               | 16QAM      | 8          | 7            | 21.25                               | 21.10                                  | 21.29                                |
| 3               | 16QAM      | 15         | 0            | 21.09                               | 21.13                                  | 20.96                                |
| 3               | 64QAM      | 1          | 0            | 20.97                               | 21.38                                  | 21.37                                |
| 3               | 64QAM      | 1          | 8            | 21.23                               | 21.19                                  | 21.36                                |
| 3               | 64QAM      | 1          | 14           | 21.14                               | 21.18                                  | 21.09                                |
| 3               | 64QAM      | 8          | 0            | 20.14                               | 20.24                                  | 20.09                                |
| 3               | 64QAM      | 8          | 4            | 20.11                               | 20.05                                  | 20.06                                |
| 3               | 64QAM      | 8          | 7            | 20.38                               | 20.11                                  | 20.17                                |
| 3               | 64QAM      | 15         | 0            | 20.08                               | 20.09                                  | 20.23                                |



| 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            | 22.88                               | 23.06                                  | 22.97                                |
| 1.4             | QPSK       | 1          | 3            | 22.98                               | 22.97                                  | 23.04                                |
| 1.4             | QPSK       | 1          | 5            | 22.94                               | 22.97                                  | 23.02                                |
| 1.4             | QPSK       | 3          | 0            | 22.15                               | 22.26                                  | 21.99                                |
| 1.4             | QPSK       | 3          | 1            | 22.13                               | 22.17                                  | 22.07                                |
| 1.4             | QPSK       | 3          | 3            | 22.03                               | 22.22                                  | 22.25                                |
| 1.4             | QPSK       | 6          | 0            | 22.03                               | 22.15                                  | 22.00                                |
| 1.4             | 16QAM      | 1          | 0            | 22.21                               | 22.17                                  | 22.13                                |
| 1.4             | 16QAM      | 1          | 3            | 22.30                               | 22.05                                  | 22.04                                |
| 1.4             | 16QAM      | 1          | 5            | 21.96                               | 22.09                                  | 22.08                                |
| 1.4             | 16QAM      | 3          | 0            | 21.24                               | 21.32                                  | 21.28                                |
| 1.4             | 16QAM      | 3          | 1            | 21.14                               | 21.16                                  | 21.11                                |
| 1.4             | 16QAM      | 3          | 3            | 21.20                               | 21.05                                  | 21.24                                |
| 1.4             | 16QAM      | 6          | 0            | 21.04                               | 21.08                                  | 20.91                                |
| 1.4             | 64QAM      | 1          | 0            | 20.92                               | 21.17                                  | 21.15                                |
| 1.4             | 64QAM      | 1          | 3            | 21.10                               | 21.14                                  | 21.10                                |
| 1.4             | 64QAM      | 1          | 5            | 21.09                               | 21.13                                  | 21.04                                |
| 1.4             | 64QAM      | 3          | 0            | 20.09                               | 20.19                                  | 20.04                                |
| 1.4             | 64QAM      | 3          | 1            | 20.06                               | 20.00                                  | 20.01                                |
| 1.4             | 64QAM      | 3          | 3            | 20.33                               | 20.06                                  | 20.12                                |
| 1.4             | 64QAM      | 6          | 0            | 20.03                               | 20.04                                  | 20.18                                |



| 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            | 23.46                               | 23.54                                  | 23.50                                |
| 10              | QPSK       | 1          | 25           | 23.12                               | 23.31                                  | 23.21                                |
| 10              | QPSK       | 1          | 49           | 23.32                               | 23.24                                  | 23.28                                |
| 10              | QPSK       | 25         | 0            | 22.24                               | 22.48                                  | 22.36                                |
| 10              | QPSK       | 25         | 12           | 22.28                               | 22.40                                  | 22.39                                |
| 10              | QPSK       | 25         | 25           | 22.47                               | 22.24                                  | 22.31                                |
| 10              | QPSK       | 50         | 0            | 22.35                               | 22.35                                  | 22.38                                |
| 10              | 16QAM      | 1          | 0            | 22.42                               | 22.49                                  | 22.41                                |
| 10              | 16QAM      | 1          | 25           | 22.36                               | 22.32                                  | 22.19                                |
| 10              | 16QAM      | 1          | 49           | 22.44                               | 22.17                                  | 22.40                                |
| 10              | 16QAM      | 25         | 0            | 21.28                               | 21.29                                  | 21.34                                |
| 10              | 16QAM      | 25         | 12           | 21.25                               | 21.36                                  | 21.20                                |
| 10              | 16QAM      | 25         | 25           | 21.45                               | 21.27                                  | 21.41                                |
| 10              | 16QAM      | 50         | 0            | 21.13                               | 21.38                                  | 21.37                                |
| 10              | 64QAM      | 1          | 0            | 21.16                               | 21.43                                  | 21.50                                |
| 10              | 64QAM      | 1          | 25           | 21.32                               | 21.30                                  | 21.45                                |
| 10              | 64QAM      | 1          | 49           | 21.31                               | 21.46                                  | 21.28                                |
| 10              | 64QAM      | 25         | 0            | 20.36                               | 20.53                                  | 20.51                                |
| 10              | 64QAM      | 25         | 12           | 20.43                               | 20.41                                  | 20.35                                |
| 10              | 64QAM      | 25         | 25           | 20.34                               | 20.26                                  | 20.32                                |
| 10              | 64QAM      | 50         | 0            | 20.41                               | 20.39                                  | 20.37                                |



| 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            | 23.37                               | 23.45                                  | 23.41                                |
| 5               | QPSK       | 1          | 12           | 23.03                               | 23.22                                  | 23.12                                |
| 5               | QPSK       | 1          | 24           | 23.23                               | 23.15                                  | 23.19                                |
| 5               | QPSK       | 12         | 0            | 22.15                               | 22.39                                  | 22.27                                |
| 5               | QPSK       | 12         | 7            | 22.19                               | 22.31                                  | 22.30                                |
| 5               | QPSK       | 12         | 13           | 22.38                               | 22.15                                  | 22.22                                |
| 5               | QPSK       | 25         | 0            | 22.26                               | 22.26                                  | 22.29                                |
| 5               | 16QAM      | 1          | 0            | 22.33                               | 22.40                                  | 22.32                                |
| 5               | 16QAM      | 1          | 12           | 22.27                               | 22.23                                  | 22.10                                |
| 5               | 16QAM      | 1          | 24           | 22.35                               | 22.08                                  | 22.31                                |
| 5               | 16QAM      | 12         | 0            | 21.19                               | 21.20                                  | 21.25                                |
| 5               | 16QAM      | 12         | 7            | 21.16                               | 21.27                                  | 21.11                                |
| 5               | 16QAM      | 12         | 13           | 21.36                               | 21.18                                  | 21.32                                |
| 5               | 16QAM      | 25         | 0            | 21.04                               | 21.29                                  | 21.28                                |
| 5               | 64QAM      | 1          | 0            | 21.07                               | 21.34                                  | 21.41                                |
| 5               | 64QAM      | 1          | 12           | 21.23                               | 21.21                                  | 21.36                                |
| 5               | 64QAM      | 1          | 24           | 21.22                               | 21.37                                  | 21.19                                |
| 5               | 64QAM      | 12         | 0            | 20.27                               | 20.44                                  | 20.42                                |
| 5               | 64QAM      | 12         | 7            | 20.34                               | 20.32                                  | 20.26                                |
| 5               | 64QAM      | 12         | 13           | 20.25                               | 20.17                                  | 20.23                                |
| 5               | 64QAM      | 25         | 0            | 20.32                               | 20.30                                  | 20.28                                |



| LTE Band 38     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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         |            |            |              | 37850                               | 38000                                  | 38150                                |
| Frequency (MHz) |            |            |              | 2580                                | 2595                                   | 2610                                 |
| 20              | QPSK       | 1          | 0            | 23.20                               | 23.26                                  | 23.25                                |
| 20              | QPSK       | 1          | 49           | 23.16                               | 23.22                                  | 23.07                                |
| 20              | QPSK       | 1          | 99           | 23.16                               | 23.13                                  | 23.13                                |
| 20              | QPSK       | 50         | 0            | 22.30                               | 22.34                                  | 22.18                                |
| 20              | QPSK       | 50         | 24           | 22.30                               | 22.05                                  | 22.21                                |
| 20              | QPSK       | 50         | 50           | 22.16                               | 22.12                                  | 22.24                                |
| 20              | QPSK       | 100        | 0            | 22.18                               | 22.16                                  | 22.19                                |
| 20              | 16QAM      | 1          | 0            | 22.16                               | 22.35                                  | 22.32                                |
| 20              | 16QAM      | 1          | 49           | 22.24                               | 22.29                                  | 22.24                                |
| 20              | 16QAM      | 1          | 99           | 22.22                               | 22.15                                  | 22.41                                |
| 20              | 16QAM      | 50         | 0            | 21.23                               | 21.33                                  | 21.28                                |
| 20              | 16QAM      | 50         | 24           | 21.26                               | 21.26                                  | 21.20                                |
| 20              | 16QAM      | 50         | 50           | 21.25                               | 21.17                                  | 21.38                                |
| 20              | 16QAM      | 100        | 0            | 21.23                               | 21.20                                  | 21.30                                |
| 20              | 64QAM      | 1          | 0            | 21.29                               | 21.43                                  | 21.46                                |
| 20              | 64QAM      | 1          | 49           | 21.28                               | 21.18                                  | 21.12                                |
| 20              | 64QAM      | 1          | 99           | 21.16                               | 21.36                                  | 21.08                                |
| 20              | 64QAM      | 50         | 0            | 20.38                               | 20.38                                  | 20.33                                |
| 20              | 64QAM      | 50         | 24           | 20.24                               | 20.14                                  | 20.37                                |
| 20              | 64QAM      | 50         | 50           | 20.28                               | 20.39                                  | 20.26                                |
| 20              | 64QAM      | 100        | 0            | 20.25                               | 20.21                                  | 20.28                                |



| LTE Band 38     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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         |            |            |              | 37825                               | 38000                                  | 38175                                |
| Frequency (MHz) |            |            |              | 2577.5                              | 2595                                   | 2612.5                               |
| 15              | QPSK       | 1          | 0            | 23.11                               | 23.17                                  | 23.16                                |
| 15              | QPSK       | 1          | 37           | 23.07                               | 23.13                                  | 22.98                                |
| 15              | QPSK       | 1          | 74           | 23.07                               | 23.04                                  | 23.04                                |
| 15              | QPSK       | 36         | 0            | 22.21                               | 22.25                                  | 22.09                                |
| 15              | QPSK       | 36         | 20           | 22.21                               | 21.96                                  | 22.12                                |
| 15              | QPSK       | 36         | 39           | 22.07                               | 22.03                                  | 22.15                                |
| 15              | QPSK       | 75         | 0            | 22.09                               | 22.07                                  | 22.10                                |
| 15              | 16QAM      | 1          | 0            | 22.07                               | 22.26                                  | 22.23                                |
| 15              | 16QAM      | 1          | 37           | 22.15                               | 22.20                                  | 22.15                                |
| 15              | 16QAM      | 1          | 74           | 22.13                               | 22.06                                  | 22.32                                |
| 15              | 16QAM      | 36         | 0            | 21.14                               | 21.24                                  | 21.19                                |
| 15              | 16QAM      | 36         | 20           | 21.17                               | 21.17                                  | 21.11                                |
| 15              | 16QAM      | 36         | 39           | 21.16                               | 21.08                                  | 21.29                                |
| 15              | 16QAM      | 75         | 0            | 21.14                               | 21.11                                  | 21.21                                |
| 15              | 64QAM      | 1          | 0            | 21.20                               | 21.34                                  | 21.37                                |
| 15              | 64QAM      | 1          | 37           | 21.19                               | 21.09                                  | 21.03                                |
| 15              | 64QAM      | 1          | 74           | 21.07                               | 21.27                                  | 20.99                                |
| 15              | 64QAM      | 36         | 0            | 20.29                               | 20.29                                  | 20.24                                |
| 15              | 64QAM      | 36         | 20           | 20.15                               | 20.05                                  | 20.28                                |
| 15              | 64QAM      | 36         | 39           | 20.19                               | 20.30                                  | 20.17                                |
| 15              | 64QAM      | 75         | 0            | 20.16                               | 20.12                                  | 20.19                                |



| LTE Band 38     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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         |            |            |              | 37800                               | 38000                                  | 38200                                |
| Frequency (MHz) |            |            |              | 2575                                | 2595                                   | 2615                                 |
| 10              | QPSK       | 1          | 0            | 23.02                               | 23.08                                  | 23.07                                |
| 10              | QPSK       | 1          | 25           | 22.98                               | 23.04                                  | 22.89                                |
| 10              | QPSK       | 1          | 49           | 22.98                               | 22.95                                  | 22.95                                |
| 10              | QPSK       | 25         | 0            | 22.12                               | 22.16                                  | 22.00                                |
| 10              | QPSK       | 25         | 12           | 22.12                               | 21.87                                  | 22.03                                |
| 10              | QPSK       | 25         | 25           | 21.98                               | 21.94                                  | 22.06                                |
| 10              | QPSK       | 50         | 0            | 22.00                               | 21.98                                  | 22.01                                |
| 10              | 16QAM      | 1          | 0            | 21.98                               | 22.17                                  | 22.14                                |
| 10              | 16QAM      | 1          | 25           | 22.06                               | 22.11                                  | 22.06                                |
| 10              | 16QAM      | 1          | 49           | 22.04                               | 21.97                                  | 22.23                                |
| 10              | 16QAM      | 25         | 0            | 21.05                               | 21.15                                  | 21.10                                |
| 10              | 16QAM      | 25         | 12           | 21.08                               | 21.08                                  | 21.02                                |
| 10              | 16QAM      | 25         | 25           | 21.07                               | 20.99                                  | 21.20                                |
| 10              | 16QAM      | 50         | 0            | 21.05                               | 21.02                                  | 21.12                                |
| 10              | 64QAM      | 1          | 0            | 21.11                               | 21.25                                  | 21.28                                |
| 10              | 64QAM      | 1          | 25           | 21.10                               | 21.00                                  | 20.94                                |
| 10              | 64QAM      | 1          | 49           | 20.98                               | 21.18                                  | 20.90                                |
| 10              | 64QAM      | 25         | 0            | 20.20                               | 20.20                                  | 20.15                                |
| 10              | 64QAM      | 25         | 12           | 20.06                               | 19.96                                  | 20.19                                |
| 10              | 64QAM      | 25         | 25           | 20.10                               | 20.21                                  | 20.08                                |
| 10              | 64QAM      | 50         | 0            | 20.07                               | 20.03                                  | 20.10                                |



| LTE Band 38     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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         |            |            |              | 37775                               | 38000                                  | 38225                                |
| Frequency (MHz) |            |            |              | 2572.5                              | 2595                                   | 2617.5                               |
| 5               | QPSK       | 1          | 0            | 22.93                               | 22.99                                  | 22.98                                |
| 5               | QPSK       | 1          | 12           | 22.89                               | 22.95                                  | 22.80                                |
| 5               | QPSK       | 1          | 24           | 22.89                               | 22.86                                  | 22.86                                |
| 5               | QPSK       | 12         | 0            | 22.03                               | 22.07                                  | 21.91                                |
| 5               | QPSK       | 12         | 7            | 22.03                               | 21.78                                  | 21.94                                |
| 5               | QPSK       | 12         | 13           | 21.89                               | 21.85                                  | 21.97                                |
| 5               | QPSK       | 25         | 0            | 21.91                               | 21.89                                  | 21.92                                |
| 5               | 16QAM      | 1          | 0            | 21.89                               | 22.08                                  | 22.05                                |
| 5               | 16QAM      | 1          | 12           | 21.97                               | 22.02                                  | 21.97                                |
| 5               | 16QAM      | 1          | 24           | 21.95                               | 21.88                                  | 22.14                                |
| 5               | 16QAM      | 12         | 0            | 20.96                               | 21.06                                  | 21.01                                |
| 5               | 16QAM      | 12         | 7            | 20.99                               | 20.99                                  | 20.93                                |
| 5               | 16QAM      | 12         | 13           | 20.98                               | 20.90                                  | 21.11                                |
| 5               | 16QAM      | 25         | 0            | 20.96                               | 20.93                                  | 21.03                                |
| 5               | 64QAM      | 1          | 0            | 21.02                               | 21.16                                  | 21.19                                |
| 5               | 64QAM      | 1          | 12           | 21.01                               | 20.91                                  | 20.85                                |
| 5               | 64QAM      | 1          | 24           | 20.89                               | 21.09                                  | 20.81                                |
| 5               | 64QAM      | 12         | 0            | 20.11                               | 20.11                                  | 20.06                                |
| 5               | 64QAM      | 12         | 7            | 19.97                               | 19.87                                  | 20.10                                |
| 5               | 64QAM      | 12         | 13           | 20.01                               | 20.12                                  | 19.99                                |
| 5               | 64QAM      | 25         | 0            | 19.98                               | 19.94                                  | 20.01                                |



| LTE Band 40, Block A |            |            |              |                                     |                                        |                                      |
|----------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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              |            |            |              | /                                   | 38750                                  | /                                    |
| Frequency (MHz)      |            |            |              | /                                   | 2310                                   | /                                    |
| 10                   | QPSK       | 1          | 0            | /                                   | 23.60                                  | /                                    |
| 10                   | QPSK       | 1          | 25           | /                                   | 23.49                                  | /                                    |
| 10                   | QPSK       | 1          | 49           | /                                   | 23.38                                  | /                                    |
| 10                   | QPSK       | 25         | 0            | /                                   | 22.65                                  | /                                    |
| 10                   | QPSK       | 25         | 12           | /                                   | 22.60                                  | /                                    |
| 10                   | QPSK       | 25         | 25           | /                                   | 22.50                                  | /                                    |
| 10                   | QPSK       | 50         | 0            | /                                   | 22.48                                  | /                                    |
| 10                   | 16QAM      | 1          | 0            | /                                   | 22.42                                  | /                                    |
| 10                   | 16QAM      | 1          | 25           | /                                   | 22.32                                  | /                                    |
| 10                   | 16QAM      | 1          | 49           | /                                   | 22.30                                  | /                                    |
| 10                   | 16QAM      | 25         | 0            | /                                   | 21.70                                  | /                                    |
| 10                   | 16QAM      | 25         | 12           | /                                   | 21.63                                  | /                                    |
| 10                   | 16QAM      | 25         | 25           | /                                   | 21.62                                  | /                                    |
| 10                   | 16QAM      | 50         | 0            | /                                   | 21.50                                  | /                                    |
| 10                   | 64QAM      | 1          | 0            | /                                   | 21.70                                  | /                                    |
| 10                   | 64QAM      | 1          | 25           | /                                   | 21.66                                  | /                                    |
| 10                   | 64QAM      | 1          | 49           | /                                   | 21.63                                  | /                                    |
| 10                   | 64QAM      | 25         | 0            | /                                   | 20.86                                  | /                                    |
| 10                   | 64QAM      | 25         | 12           | /                                   | 20.75                                  | /                                    |
| 10                   | 64QAM      | 25         | 25           | /                                   | 20.55                                  | /                                    |
| 10                   | 64QAM      | 50         | 0            | /                                   | 20.63                                  | /                                    |



| LTE Band 40, Block A |            |            |              |                                     |                                        |                                      |
|----------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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              |            |            |              | 38725                               | 38750                                  | 38775                                |
| Frequency (MHz)      |            |            |              | 2307.5                              | 2310                                   | 2312.5                               |
| 5                    | QPSK       | 1          | 0            | 23.15                               | 23.17                                  | 23.15                                |
| 5                    | QPSK       | 1          | 12           | 23.11                               | 23.04                                  | 23.13                                |
| 5                    | QPSK       | 1          | 24           | 23.14                               | 23.10                                  | 23.04                                |
| 5                    | QPSK       | 12         | 0            | 22.16                               | 22.29                                  | 22.20                                |
| 5                    | QPSK       | 12         | 7            | 22.30                               | 22.19                                  | 22.27                                |
| 5                    | QPSK       | 12         | 13           | 22.21                               | 22.18                                  | 22.28                                |
| 5                    | QPSK       | 25         | 0            | 22.26                               | 22.22                                  | 22.25                                |
| 5                    | 16QAM      | 1          | 0            | 22.48                               | 22.47                                  | 22.51                                |
| 5                    | 16QAM      | 1          | 12           | 22.33                               | 22.51                                  | 22.22                                |
| 5                    | 16QAM      | 1          | 24           | 22.25                               | 22.40                                  | 22.43                                |
| 5                    | 16QAM      | 12         | 0            | 21.32                               | 21.39                                  | 21.46                                |
| 5                    | 16QAM      | 12         | 7            | 21.25                               | 21.28                                  | 21.28                                |
| 5                    | 16QAM      | 12         | 13           | 21.14                               | 21.26                                  | 21.30                                |
| 5                    | 16QAM      | 25         | 0            | 21.37                               | 21.25                                  | 21.36                                |
| 5                    | 64QAM      | 1          | 0            | 21.12                               | 21.38                                  | 21.33                                |
| 5                    | 64QAM      | 1          | 12           | 21.31                               | 21.48                                  | 21.27                                |
| 5                    | 64QAM      | 1          | 24           | 21.16                               | 21.32                                  | 21.20                                |
| 5                    | 64QAM      | 12         | 0            | 20.48                               | 20.29                                  | 20.40                                |
| 5                    | 64QAM      | 12         | 7            | 20.38                               | 20.35                                  | 20.39                                |
| 5                    | 64QAM      | 12         | 13           | 20.37                               | 20.50                                  | 20.25                                |
| 5                    | 64QAM      | 25         | 0            | 20.28                               | 20.38                                  | 20.34                                |



| LTE Band 40, Block B |            |            |              |                                     |                                        |                                      |
|----------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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              |            |            |              | /                                   | 39200                                  | /                                    |
| Frequency (MHz)      |            |            |              | /                                   | 2355                                   | /                                    |
| 10                   | QPSK       | 1          | 0            | /                                   | 23.57                                  | /                                    |
| 10                   | QPSK       | 1          | 25           | /                                   | 23.36                                  | /                                    |
| 10                   | QPSK       | 1          | 49           | /                                   | 23.22                                  | /                                    |
| 10                   | QPSK       | 25         | 0            | /                                   | 22.45                                  | /                                    |
| 10                   | QPSK       | 25         | 12           | /                                   | 22.41                                  | /                                    |
| 10                   | QPSK       | 25         | 25           | /                                   | 22.35                                  | /                                    |
| 10                   | QPSK       | 50         | 0            | /                                   | 22.38                                  | /                                    |
| 10                   | 16QAM      | 1          | 0            | /                                   | 22.35                                  | /                                    |
| 10                   | 16QAM      | 1          | 25           | /                                   | 22.20                                  | /                                    |
| 10                   | 16QAM      | 1          | 49           | /                                   | 22.11                                  | /                                    |
| 10                   | 16QAM      | 25         | 0            | /                                   | 21.56                                  | /                                    |
| 10                   | 16QAM      | 25         | 12           | /                                   | 21.43                                  | /                                    |
| 10                   | 16QAM      | 25         | 25           | /                                   | 21.38                                  | /                                    |
| 10                   | 16QAM      | 50         | 0            | /                                   | 21.42                                  | /                                    |
| 10                   | 64QAM      | 1          | 0            | /                                   | 21.33                                  | /                                    |
| 10                   | 64QAM      | 1          | 25           | /                                   | 21.50                                  | /                                    |
| 10                   | 64QAM      | 1          | 49           | /                                   | 21.39                                  | /                                    |
| 10                   | 64QAM      | 25         | 0            | /                                   | 20.95                                  | /                                    |
| 10                   | 64QAM      | 25         | 12           | /                                   | 20.50                                  | /                                    |
| 10                   | 64QAM      | 25         | 25           | /                                   | 20.36                                  | /                                    |
| 10                   | 64QAM      | 50         | 0            | /                                   | 20.20                                  | /                                    |



| LTE Band 40, Block B |            |            |              |                                     |                                        |                                      |
|----------------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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              |            |            |              | 39175                               | 39200                                  | 39225                                |
| Frequency (MHz)      |            |            |              | 2352.5                              | 2355                                   | 2357.5                               |
| 5                    | QPSK       | 1          | 0            | 23.04                               | 23.13                                  | 23.09                                |
| 5                    | QPSK       | 1          | 12           | 23.07                               | 23.11                                  | 23.07                                |
| 5                    | QPSK       | 1          | 24           | 23.04                               | 23.08                                  | 23.04                                |
| 5                    | QPSK       | 12         | 0            | 22.27                               | 22.19                                  | 22.05                                |
| 5                    | QPSK       | 12         | 7            | 22.22                               | 22.05                                  | 22.15                                |
| 5                    | QPSK       | 12         | 13           | 22.37                               | 22.35                                  | 22.15                                |
| 5                    | QPSK       | 25         | 0            | 22.09                               | 22.09                                  | 22.05                                |
| 5                    | 16QAM      | 1          | 0            | 22.18                               | 22.34                                  | 22.22                                |
| 5                    | 16QAM      | 1          | 12           | 22.05                               | 22.07                                  | 22.14                                |
| 5                    | 16QAM      | 1          | 24           | 22.09                               | 22.18                                  | 22.06                                |
| 5                    | 16QAM      | 12         | 0            | 21.04                               | 21.31                                  | 21.25                                |
| 5                    | 16QAM      | 12         | 7            | 21.08                               | 21.06                                  | 21.06                                |
| 5                    | 16QAM      | 12         | 13           | 21.25                               | 21.06                                  | 21.24                                |
| 5                    | 16QAM      | 25         | 0            | 21.03                               | 21.06                                  | 21.28                                |
| 5                    | 64QAM      | 1          | 0            | 21.20                               | 21.32                                  | 21.25                                |
| 5                    | 64QAM      | 1          | 12           | 21.20                               | 21.14                                  | 21.20                                |
| 5                    | 64QAM      | 1          | 24           | 21.08                               | 21.21                                  | 21.13                                |
| 5                    | 64QAM      | 12         | 0            | 20.34                               | 20.35                                  | 20.38                                |
| 5                    | 64QAM      | 12         | 7            | 20.14                               | 20.22                                  | 20.07                                |
| 5                    | 64QAM      | 12         | 13           | 20.20                               | 20.15                                  | 20.13                                |
| 5                    | 64QAM      | 25         | 0            | 20.17                               | 20.24                                  | 20.24                                |



| LTE Band 41     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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            | 23.52                               | 23.66                                  | 23.43                                |
| 20              | QPSK       | 1          | 49           | 23.25                               | 23.34                                  | 23.34                                |
| 20              | QPSK       | 1          | 99           | 23.27                               | 23.20                                  | 23.39                                |
| 20              | QPSK       | 50         | 0            | 22.59                               | 22.32                                  | 22.54                                |
| 20              | QPSK       | 50         | 24           | 22.24                               | 22.35                                  | 22.36                                |
| 20              | QPSK       | 50         | 50           | 22.54                               | 22.54                                  | 22.68                                |
| 20              | QPSK       | 100        | 0            | 22.21                               | 22.36                                  | 22.34                                |
| 20              | 16QAM      | 1          | 0            | 22.61                               | 22.55                                  | 22.64                                |
| 20              | 16QAM      | 1          | 49           | 22.49                               | 22.66                                  | 22.57                                |
| 20              | 16QAM      | 1          | 99           | 22.26                               | 22.40                                  | 22.59                                |
| 20              | 16QAM      | 50         | 0            | 21.47                               | 21.46                                  | 21.65                                |
| 20              | 16QAM      | 50         | 24           | 21.41                               | 21.37                                  | 21.74                                |
| 20              | 16QAM      | 50         | 50           | 21.28                               | 21.29                                  | 21.38                                |
| 20              | 16QAM      | 100        | 0            | 21.25                               | 21.37                                  | 21.49                                |
| 20              | 64QAM      | 1          | 0            | 21.47                               | 21.45                                  | 21.60                                |
| 20              | 64QAM      | 1          | 49           | 21.64                               | 21.58                                  | 21.50                                |
| 20              | 64QAM      | 1          | 99           | 21.36                               | 21.24                                  | 21.31                                |
| 20              | 64QAM      | 50         | 0            | 20.66                               | 20.56                                  | 20.66                                |
| 20              | 64QAM      | 50         | 24           | 20.61                               | 20.34                                  | 20.38                                |
| 20              | 64QAM      | 50         | 50           | 20.66                               | 20.57                                  | 20.62                                |
| 20              | 64QAM      | 100        | 0            | 20.30                               | 20.46                                  | 20.32                                |



| LTE Band 41     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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            | 23.42                               | 23.56                                  | 23.33                                |
| 15              | QPSK       | 1          | 37           | 23.15                               | 23.24                                  | 23.24                                |
| 15              | QPSK       | 1          | 74           | 23.17                               | 23.10                                  | 23.29                                |
| 15              | QPSK       | 36         | 0            | 22.49                               | 22.22                                  | 22.44                                |
| 15              | QPSK       | 36         | 20           | 22.14                               | 22.25                                  | 22.26                                |
| 15              | QPSK       | 36         | 39           | 22.44                               | 22.44                                  | 22.58                                |
| 15              | QPSK       | 75         | 0            | 22.11                               | 22.26                                  | 22.24                                |
| 15              | 16QAM      | 1          | 0            | 22.51                               | 22.45                                  | 22.54                                |
| 15              | 16QAM      | 1          | 37           | 22.39                               | 22.56                                  | 22.47                                |
| 15              | 16QAM      | 1          | 74           | 22.16                               | 22.30                                  | 22.49                                |
| 15              | 16QAM      | 36         | 0            | 21.37                               | 21.36                                  | 21.55                                |
| 15              | 16QAM      | 36         | 20           | 21.31                               | 21.27                                  | 21.64                                |
| 15              | 16QAM      | 36         | 39           | 21.18                               | 21.19                                  | 21.28                                |
| 15              | 16QAM      | 75         | 0            | 21.15                               | 21.27                                  | 21.39                                |
| 15              | 64QAM      | 1          | 0            | 21.37                               | 21.35                                  | 21.50                                |
| 15              | 64QAM      | 1          | 37           | 21.54                               | 21.48                                  | 21.40                                |
| 15              | 64QAM      | 1          | 74           | 21.26                               | 21.14                                  | 21.21                                |
| 15              | 64QAM      | 36         | 0            | 20.56                               | 20.46                                  | 20.56                                |
| 15              | 64QAM      | 36         | 20           | 20.51                               | 20.24                                  | 20.28                                |
| 15              | 64QAM      | 36         | 39           | 20.56                               | 20.47                                  | 20.52                                |
| 15              | 64QAM      | 75         | 0            | 20.20                               | 20.36                                  | 20.22                                |



| LTE Band 41     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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            | 23.33                               | 23.47                                  | 23.24                                |
| 10              | QPSK       | 1          | 25           | 23.06                               | 23.15                                  | 23.15                                |
| 10              | QPSK       | 1          | 49           | 23.08                               | 23.01                                  | 23.20                                |
| 10              | QPSK       | 25         | 0            | 22.40                               | 22.13                                  | 22.35                                |
| 10              | QPSK       | 25         | 12           | 22.05                               | 22.16                                  | 22.17                                |
| 10              | QPSK       | 25         | 25           | 22.35                               | 22.35                                  | 22.49                                |
| 10              | QPSK       | 50         | 0            | 22.02                               | 22.17                                  | 22.15                                |
| 10              | 16QAM      | 1          | 0            | 22.42                               | 22.36                                  | 22.45                                |
| 10              | 16QAM      | 1          | 25           | 22.30                               | 22.47                                  | 22.38                                |
| 10              | 16QAM      | 1          | 49           | 22.07                               | 22.21                                  | 22.40                                |
| 10              | 16QAM      | 25         | 0            | 21.28                               | 21.27                                  | 21.46                                |
| 10              | 16QAM      | 25         | 12           | 21.22                               | 21.18                                  | 21.55                                |
| 10              | 16QAM      | 25         | 25           | 21.09                               | 21.10                                  | 21.19                                |
| 10              | 16QAM      | 50         | 0            | 21.06                               | 21.18                                  | 21.30                                |
| 10              | 64QAM      | 1          | 0            | 21.28                               | 21.26                                  | 21.41                                |
| 10              | 64QAM      | 1          | 25           | 21.45                               | 21.39                                  | 21.31                                |
| 10              | 64QAM      | 1          | 49           | 21.17                               | 21.05                                  | 21.12                                |
| 10              | 64QAM      | 25         | 0            | 20.47                               | 20.37                                  | 20.47                                |
| 10              | 64QAM      | 25         | 12           | 20.42                               | 20.15                                  | 20.19                                |
| 10              | 64QAM      | 25         | 25           | 20.47                               | 20.38                                  | 20.43                                |
| 10              | 64QAM      | 50         | 0            | 20.11                               | 20.27                                  | 20.13                                |



| LTE Band 41     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| 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            | 23.25                               | 23.39                                  | 23.16                                |
| 5               | QPSK       | 1          | 12           | 22.98                               | 23.07                                  | 23.07                                |
| 5               | QPSK       | 1          | 24           | 23.00                               | 22.93                                  | 23.12                                |
| 5               | QPSK       | 12         | 0            | 22.32                               | 22.05                                  | 22.27                                |
| 5               | QPSK       | 12         | 7            | 21.97                               | 22.08                                  | 22.09                                |
| 5               | QPSK       | 12         | 13           | 22.27                               | 22.27                                  | 22.41                                |
| 5               | QPSK       | 25         | 0            | 21.94                               | 22.09                                  | 22.07                                |
| 5               | 16QAM      | 1          | 0            | 22.34                               | 22.28                                  | 22.37                                |
| 5               | 16QAM      | 1          | 12           | 22.22                               | 22.39                                  | 22.30                                |
| 5               | 16QAM      | 1          | 24           | 21.99                               | 22.13                                  | 22.32                                |
| 5               | 16QAM      | 12         | 0            | 21.20                               | 21.19                                  | 21.38                                |
| 5               | 16QAM      | 12         | 7            | 21.14                               | 21.10                                  | 21.47                                |
| 5               | 16QAM      | 12         | 13           | 21.01                               | 21.02                                  | 21.11                                |
| 5               | 16QAM      | 25         | 0            | 20.98                               | 21.10                                  | 21.22                                |
| 5               | 64QAM      | 1          | 0            | 21.20                               | 21.18                                  | 21.33                                |
| 5               | 64QAM      | 1          | 12           | 21.37                               | 21.31                                  | 21.23                                |
| 5               | 64QAM      | 1          | 24           | 21.09                               | 20.97                                  | 21.04                                |
| 5               | 64QAM      | 12         | 0            | 20.39                               | 20.29                                  | 20.39                                |
| 5               | 64QAM      | 12         | 7            | 20.34                               | 20.07                                  | 20.11                                |
| 5               | 64QAM      | 12         | 13           | 20.39                               | 20.30                                  | 20.35                                |
| 5               | 64QAM      | 25         | 0            | 20.03                               | 20.19                                  | 20.05                                |

**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         | 22.85             | 0.193 | 22.94              | 0.197 | 22.81            | 0.191 |
| 20              | QPSK       | 1       | 49        | 22.78             | 0.190 | 22.88              | 0.194 | 22.81            | 0.191 |
| 20              | QPSK       | 1       | 99        | 22.85             | 0.193 | 22.77              | 0.189 | 22.86            | 0.193 |
| 20              | QPSK       | 50      | 0         | 22.01             | 0.159 | 22.03              | 0.160 | 21.96            | 0.157 |
| 20              | QPSK       | 50      | 24        | 21.86             | 0.153 | 21.99              | 0.158 | 21.86            | 0.153 |
| 20              | QPSK       | 50      | 50        | 21.95             | 0.157 | 21.94              | 0.156 | 21.98            | 0.158 |
| 20              | QPSK       | 100     | 0         | 21.90             | 0.155 | 21.91              | 0.155 | 21.92            | 0.156 |
| 20              | 16QAM      | 1       | 0         | 21.92             | 0.156 | 22.08              | 0.161 | 21.81            | 0.152 |
| 20              | 16QAM      | 1       | 49        | 21.92             | 0.156 | 22.07              | 0.161 | 21.92            | 0.156 |
| 20              | 16QAM      | 1       | 99        | 21.85             | 0.153 | 21.90              | 0.155 | 21.89            | 0.155 |
| 20              | 16QAM      | 50      | 0         | 20.96             | 0.125 | 21.08              | 0.128 | 21.01            | 0.126 |
| 20              | 16QAM      | 50      | 24        | 20.94             | 0.124 | 20.89              | 0.123 | 20.88            | 0.122 |
| 20              | 16QAM      | 50      | 50        | 20.89             | 0.123 | 20.88              | 0.122 | 20.91            | 0.123 |
| 20              | 16QAM      | 100     | 0         | 20.89             | 0.123 | 20.91              | 0.123 | 20.93            | 0.124 |
| 20              | 64QAM      | 1       | 0         | 20.92             | 0.124 | 21.13              | 0.130 | 21.00            | 0.126 |
| 20              | 64QAM      | 1       | 49        | 20.95             | 0.124 | 21.02              | 0.126 | 20.82            | 0.121 |
| 20              | 64QAM      | 1       | 99        | 20.85             | 0.122 | 20.86              | 0.122 | 20.89            | 0.123 |
| 20              | 64QAM      | 50      | 0         | 20.05             | 0.101 | 20.10              | 0.102 | 20.01            | 0.100 |
| 20              | 64QAM      | 50      | 24        | 19.92             | 0.098 | 19.99              | 0.100 | 19.89            | 0.097 |
| 20              | 64QAM      | 50      | 50        | 19.96             | 0.099 | 19.91              | 0.098 | 19.93            | 0.098 |
| 20              | 64QAM      | 100     | 0         | 19.95             | 0.099 | 19.98              | 0.100 | 19.94            | 0.099 |



| 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         | 22.75             | 0.188 | 22.84              | 0.192 | 22.71            | 0.187 |
| 15              | QPSK       | 1       | 37        | 22.68             | 0.185 | 22.78              | 0.190 | 22.71            | 0.187 |
| 15              | QPSK       | 1       | 74        | 22.75             | 0.188 | 22.67              | 0.185 | 22.76            | 0.189 |
| 15              | QPSK       | 36      | 0         | 21.91             | 0.155 | 21.93              | 0.156 | 21.86            | 0.153 |
| 15              | QPSK       | 36      | 20        | 21.76             | 0.150 | 21.89              | 0.155 | 21.76            | 0.150 |
| 15              | QPSK       | 36      | 39        | 21.85             | 0.153 | 21.84              | 0.153 | 21.88            | 0.154 |
| 15              | QPSK       | 75      | 0         | 21.80             | 0.151 | 21.81              | 0.152 | 21.82            | 0.152 |
| 15              | 16QAM      | 1       | 0         | 21.82             | 0.152 | 21.98              | 0.158 | 21.71            | 0.148 |
| 15              | 16QAM      | 1       | 37        | 21.82             | 0.152 | 21.97              | 0.157 | 21.82            | 0.152 |
| 15              | 16QAM      | 1       | 74        | 21.75             | 0.150 | 21.80              | 0.151 | 21.79            | 0.151 |
| 15              | 16QAM      | 36      | 0         | 20.86             | 0.122 | 20.98              | 0.125 | 20.91            | 0.123 |
| 15              | 16QAM      | 36      | 20        | 20.84             | 0.121 | 20.79              | 0.120 | 20.78            | 0.120 |
| 15              | 16QAM      | 36      | 39        | 20.79             | 0.120 | 20.78              | 0.120 | 20.81            | 0.121 |
| 15              | 16QAM      | 75      | 0         | 20.79             | 0.120 | 20.81              | 0.121 | 20.83            | 0.121 |
| 15              | 64QAM      | 1       | 0         | 20.82             | 0.121 | 21.03              | 0.127 | 20.90            | 0.123 |
| 15              | 64QAM      | 1       | 37        | 20.85             | 0.122 | 20.92              | 0.124 | 20.72            | 0.118 |
| 15              | 64QAM      | 1       | 74        | 20.75             | 0.119 | 20.76              | 0.119 | 20.79            | 0.120 |
| 15              | 64QAM      | 36      | 0         | 19.95             | 0.099 | 20.00              | 0.100 | 19.91            | 0.098 |
| 15              | 64QAM      | 36      | 20        | 19.82             | 0.096 | 19.89              | 0.097 | 19.79            | 0.095 |
| 15              | 64QAM      | 36      | 39        | 19.86             | 0.097 | 19.81              | 0.096 | 19.83            | 0.096 |
| 15              | 64QAM      | 75      | 0         | 19.85             | 0.097 | 19.88              | 0.097 | 19.84            | 0.096 |



| 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         | 22.63             | 0.183 | 22.72              | 0.187 | 22.59            | 0.182 |
| 10              | QPSK       | 1       | 25        | 22.56             | 0.180 | 22.66              | 0.185 | 22.59            | 0.182 |
| 10              | QPSK       | 1       | 49        | 22.63             | 0.183 | 22.55              | 0.180 | 22.64            | 0.184 |
| 10              | QPSK       | 25      | 0         | 21.79             | 0.151 | 21.81              | 0.152 | 21.74            | 0.149 |
| 10              | QPSK       | 25      | 12        | 21.64             | 0.146 | 21.77              | 0.150 | 21.64            | 0.146 |
| 10              | QPSK       | 25      | 25        | 21.73             | 0.149 | 21.72              | 0.149 | 21.76            | 0.150 |
| 10              | QPSK       | 50      | 0         | 21.68             | 0.147 | 21.69              | 0.148 | 21.70            | 0.148 |
| 10              | 16QAM      | 1       | 0         | 21.70             | 0.148 | 21.86              | 0.153 | 21.59            | 0.144 |
| 10              | 16QAM      | 1       | 25        | 21.70             | 0.148 | 21.85              | 0.153 | 21.70            | 0.148 |
| 10              | 16QAM      | 1       | 49        | 21.63             | 0.146 | 21.68              | 0.147 | 21.67            | 0.147 |
| 10              | 16QAM      | 25      | 0         | 20.74             | 0.119 | 20.86              | 0.122 | 20.79            | 0.120 |
| 10              | 16QAM      | 25      | 12        | 20.72             | 0.118 | 20.67              | 0.117 | 20.66            | 0.116 |
| 10              | 16QAM      | 25      | 25        | 20.67             | 0.117 | 20.66              | 0.116 | 20.69            | 0.117 |
| 10              | 16QAM      | 50      | 0         | 20.67             | 0.117 | 20.69              | 0.117 | 20.71            | 0.118 |
| 10              | 64QAM      | 1       | 0         | 20.70             | 0.117 | 20.91              | 0.123 | 20.78            | 0.120 |
| 10              | 64QAM      | 1       | 25        | 20.73             | 0.118 | 20.80              | 0.120 | 20.60            | 0.115 |
| 10              | 64QAM      | 1       | 49        | 20.63             | 0.116 | 20.64              | 0.116 | 20.67            | 0.117 |
| 10              | 64QAM      | 25      | 0         | 19.83             | 0.096 | 19.88              | 0.097 | 19.79            | 0.095 |
| 10              | 64QAM      | 25      | 12        | 19.70             | 0.093 | 19.77              | 0.095 | 19.67            | 0.093 |
| 10              | 64QAM      | 25      | 25        | 19.74             | 0.094 | 19.69              | 0.093 | 19.71            | 0.094 |
| 10              | 64QAM      | 50      | 0         | 19.73             | 0.094 | 19.76              | 0.095 | 19.72            | 0.094 |



| 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         | 22.51             | 0.178 | 22.60              | 0.182 | 22.47            | 0.177 |
| 5               | QPSK       | 1       | 12        | 22.44             | 0.175 | 22.54              | 0.179 | 22.47            | 0.177 |
| 5               | QPSK       | 1       | 24        | 22.51             | 0.178 | 22.43              | 0.175 | 22.52            | 0.179 |
| 5               | QPSK       | 12      | 0         | 21.67             | 0.147 | 21.69              | 0.148 | 21.62            | 0.145 |
| 5               | QPSK       | 12      | 7         | 21.52             | 0.142 | 21.65              | 0.146 | 21.52            | 0.142 |
| 5               | QPSK       | 12      | 13        | 21.61             | 0.145 | 21.60              | 0.145 | 21.64            | 0.146 |
| 5               | QPSK       | 25      | 0         | 21.56             | 0.143 | 21.57              | 0.144 | 21.58            | 0.144 |
| 5               | 16QAM      | 1       | 0         | 21.58             | 0.144 | 21.74              | 0.149 | 21.47            | 0.140 |
| 5               | 16QAM      | 1       | 12        | 21.58             | 0.144 | 21.73              | 0.149 | 21.58            | 0.144 |
| 5               | 16QAM      | 1       | 24        | 21.51             | 0.142 | 21.56              | 0.143 | 21.55            | 0.143 |
| 5               | 16QAM      | 12      | 0         | 20.62             | 0.115 | 20.74              | 0.119 | 20.67            | 0.117 |
| 5               | 16QAM      | 12      | 7         | 20.60             | 0.115 | 20.55              | 0.114 | 20.54            | 0.113 |
| 5               | 16QAM      | 12      | 13        | 20.55             | 0.114 | 20.54              | 0.113 | 20.57            | 0.114 |
| 5               | 16QAM      | 25      | 0         | 20.55             | 0.114 | 20.57              | 0.114 | 20.59            | 0.115 |
| 5               | 64QAM      | 1       | 0         | 20.58             | 0.114 | 20.79              | 0.120 | 20.66            | 0.116 |
| 5               | 64QAM      | 1       | 12        | 20.61             | 0.115 | 20.68              | 0.117 | 20.48            | 0.112 |
| 5               | 64QAM      | 1       | 24        | 20.51             | 0.112 | 20.52              | 0.113 | 20.55            | 0.114 |
| 5               | 64QAM      | 12      | 0         | 19.71             | 0.094 | 19.76              | 0.095 | 19.67            | 0.093 |
| 5               | 64QAM      | 12      | 7         | 19.58             | 0.091 | 19.65              | 0.092 | 19.55            | 0.090 |
| 5               | 64QAM      | 12      | 13        | 19.62             | 0.092 | 19.57              | 0.091 | 19.59            | 0.091 |
| 5               | 64QAM      | 25      | 0         | 19.61             | 0.091 | 19.64              | 0.092 | 19.60            | 0.091 |



| 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         | 22.42             | 0.175 | 22.51              | 0.178 | 22.38            | 0.173 |
| 3               | QPSK       | 1       | 8         | 22.35             | 0.172 | 22.45              | 0.176 | 22.38            | 0.173 |
| 3               | QPSK       | 1       | 14        | 22.42             | 0.175 | 22.34              | 0.171 | 22.43            | 0.175 |
| 3               | QPSK       | 8       | 0         | 21.58             | 0.144 | 21.60              | 0.145 | 21.53            | 0.142 |
| 3               | QPSK       | 8       | 4         | 21.43             | 0.139 | 21.56              | 0.143 | 21.43            | 0.139 |
| 3               | QPSK       | 8       | 7         | 21.52             | 0.142 | 21.51              | 0.142 | 21.55            | 0.143 |
| 3               | QPSK       | 15      | 0         | 21.47             | 0.140 | 21.48              | 0.141 | 21.49            | 0.141 |
| 3               | 16QAM      | 1       | 0         | 21.49             | 0.141 | 21.65              | 0.146 | 21.38            | 0.137 |
| 3               | 16QAM      | 1       | 8         | 21.49             | 0.141 | 21.64              | 0.146 | 21.49            | 0.141 |
| 3               | 16QAM      | 1       | 14        | 21.42             | 0.139 | 21.47              | 0.140 | 21.46            | 0.140 |
| 3               | 16QAM      | 8       | 0         | 20.53             | 0.113 | 20.65              | 0.116 | 20.58            | 0.114 |
| 3               | 16QAM      | 8       | 4         | 20.51             | 0.112 | 20.46              | 0.111 | 20.45            | 0.111 |
| 3               | 16QAM      | 8       | 7         | 20.46             | 0.111 | 20.45              | 0.111 | 20.48            | 0.112 |
| 3               | 16QAM      | 15      | 0         | 20.46             | 0.111 | 20.48              | 0.112 | 20.50            | 0.112 |
| 3               | 64QAM      | 1       | 0         | 20.49             | 0.112 | 20.70              | 0.117 | 20.57            | 0.114 |
| 3               | 64QAM      | 1       | 8         | 20.52             | 0.113 | 20.59              | 0.115 | 20.39            | 0.109 |
| 3               | 64QAM      | 1       | 14        | 20.42             | 0.110 | 20.43              | 0.110 | 20.46            | 0.111 |
| 3               | 64QAM      | 8       | 0         | 19.62             | 0.092 | 19.67              | 0.093 | 19.58            | 0.091 |
| 3               | 64QAM      | 8       | 4         | 19.49             | 0.089 | 19.56              | 0.090 | 19.46            | 0.088 |
| 3               | 64QAM      | 8       | 7         | 19.53             | 0.090 | 19.48              | 0.089 | 19.50            | 0.089 |
| 3               | 64QAM      | 15      | 0         | 19.52             | 0.090 | 19.55              | 0.090 | 19.51            | 0.089 |



| 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         | 22.37             | 0.173 | 22.46              | 0.176 | 22.33            | 0.171 |
| 1.4             | QPSK       | 1       | 3         | 22.30             | 0.170 | 22.40              | 0.174 | 22.33            | 0.171 |
| 1.4             | QPSK       | 1       | 5         | 22.37             | 0.173 | 22.29              | 0.169 | 22.38            | 0.173 |
| 1.4             | QPSK       | 3       | 0         | 21.53             | 0.142 | 21.55              | 0.143 | 21.48            | 0.141 |
| 1.4             | QPSK       | 3       | 1         | 21.38             | 0.137 | 21.51              | 0.142 | 21.38            | 0.137 |
| 1.4             | QPSK       | 3       | 3         | 21.47             | 0.140 | 21.46              | 0.140 | 21.50            | 0.141 |
| 1.4             | QPSK       | 6       | 0         | 21.42             | 0.139 | 21.43              | 0.139 | 21.44            | 0.139 |
| 1.4             | 16QAM      | 1       | 0         | 21.44             | 0.139 | 21.60              | 0.145 | 21.33            | 0.136 |
| 1.4             | 16QAM      | 1       | 3         | 21.44             | 0.139 | 21.59              | 0.144 | 21.44            | 0.139 |
| 1.4             | 16QAM      | 1       | 5         | 21.37             | 0.137 | 21.42              | 0.139 | 21.41            | 0.138 |
| 1.4             | 16QAM      | 3       | 0         | 20.48             | 0.112 | 20.60              | 0.115 | 20.53            | 0.113 |
| 1.4             | 16QAM      | 3       | 1         | 20.46             | 0.111 | 20.41              | 0.110 | 20.40            | 0.110 |
| 1.4             | 16QAM      | 3       | 3         | 20.41             | 0.110 | 20.40              | 0.110 | 20.43            | 0.110 |
| 1.4             | 16QAM      | 6       | 0         | 20.41             | 0.110 | 20.43              | 0.110 | 20.45            | 0.111 |
| 1.4             | 64QAM      | 1       | 0         | 20.44             | 0.111 | 20.65              | 0.116 | 20.52            | 0.113 |
| 1.4             | 64QAM      | 1       | 3         | 20.47             | 0.111 | 20.54              | 0.113 | 20.34            | 0.108 |
| 1.4             | 64QAM      | 1       | 5         | 20.37             | 0.109 | 20.38              | 0.109 | 20.41            | 0.110 |
| 1.4             | 64QAM      | 3       | 0         | 19.57             | 0.091 | 19.62              | 0.092 | 19.53            | 0.090 |
| 1.4             | 64QAM      | 3       | 1         | 19.44             | 0.088 | 19.51              | 0.089 | 19.41            | 0.087 |
| 1.4             | 64QAM      | 3       | 3         | 19.48             | 0.089 | 19.43              | 0.088 | 19.45            | 0.088 |
| 1.4             | 64QAM      | 6       | 0         | 19.47             | 0.089 | 19.50              | 0.089 | 19.46            | 0.088 |



| 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            | 21.91              | 0.155 | 22.11                 | 0.163 | 22.06               | 0.161 |
| 20              | QPSK       | 1          | 49           | 22.08              | 0.161 | 22.07                 | 0.161 | 22.04               | 0.160 |
| 20              | QPSK       | 1          | 99           | 22.05              | 0.160 | 22.08                 | 0.161 | 22.04               | 0.160 |
| 20              | QPSK       | 50         | 0            | 21.24              | 0.133 | 21.31                 | 0.135 | 21.14               | 0.130 |
| 20              | QPSK       | 50         | 24           | 21.25              | 0.133 | 21.29                 | 0.135 | 21.22               | 0.132 |
| 20              | QPSK       | 50         | 50           | 21.08              | 0.128 | 21.17                 | 0.131 | 21.11               | 0.129 |
| 20              | QPSK       | 100        | 0            | 21.18              | 0.131 | 21.22                 | 0.132 | 21.12               | 0.129 |
| 20              | 16QAM      | 1          | 0            | 21.37              | 0.137 | 21.39                 | 0.138 | 21.29               | 0.135 |
| 20              | 16QAM      | 1          | 49           | 21.30              | 0.135 | 21.33                 | 0.136 | 21.19               | 0.132 |
| 20              | 16QAM      | 1          | 99           | 21.03              | 0.127 | 21.21                 | 0.132 | 21.24               | 0.133 |
| 20              | 16QAM      | 50         | 0            | 20.07              | 0.102 | 20.29                 | 0.107 | 20.30               | 0.107 |
| 20              | 16QAM      | 50         | 24           | 20.33              | 0.108 | 20.21                 | 0.105 | 20.30               | 0.107 |
| 20              | 16QAM      | 50         | 50           | 20.04              | 0.101 | 20.03                 | 0.101 | 20.25               | 0.106 |
| 20              | 16QAM      | 100        | 0            | 20.25              | 0.106 | 20.14                 | 0.103 | 20.08               | 0.102 |
| 20              | 64QAM      | 1          | 0            | 20.27              | 0.106 | 20.27                 | 0.106 | 20.30               | 0.107 |
| 20              | 64QAM      | 1          | 49           | 20.35              | 0.108 | 20.23                 | 0.105 | 20.21               | 0.105 |
| 20              | 64QAM      | 1          | 99           | 20.05              | 0.101 | 20.18                 | 0.104 | 20.28               | 0.107 |
| 20              | 64QAM      | 50         | 0            | 19.14              | 0.082 | 19.16                 | 0.082 | 19.20               | 0.083 |
| 20              | 64QAM      | 50         | 24           | 19.20              | 0.083 | 19.27                 | 0.085 | 19.16               | 0.082 |
| 20              | 64QAM      | 50         | 50           | 19.20              | 0.083 | 19.13                 | 0.082 | 19.35               | 0.086 |
| 20              | 64QAM      | 100        | 0            | 19.07              | 0.081 | 19.17                 | 0.083 | 19.24               | 0.084 |



| 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            | 21.79              | 0.151 | 21.99                 | 0.158 | 21.94               | 0.156 |
| 15              | QPSK       | 1          | 37           | 21.96              | 0.157 | 21.95                 | 0.157 | 21.92               | 0.156 |
| 15              | QPSK       | 1          | 74           | 21.93              | 0.156 | 21.96                 | 0.157 | 21.92               | 0.156 |
| 15              | QPSK       | 36         | 0            | 21.12              | 0.129 | 21.19                 | 0.132 | 21.02               | 0.126 |
| 15              | QPSK       | 36         | 20           | 21.13              | 0.130 | 21.17                 | 0.131 | 21.10               | 0.129 |
| 15              | QPSK       | 36         | 39           | 20.96              | 0.125 | 21.05                 | 0.127 | 20.99               | 0.126 |
| 15              | QPSK       | 75         | 0            | 21.06              | 0.128 | 21.10                 | 0.129 | 21.00               | 0.126 |
| 15              | 16QAM      | 1          | 0            | 21.25              | 0.133 | 21.27                 | 0.134 | 21.17               | 0.131 |
| 15              | 16QAM      | 1          | 37           | 21.18              | 0.131 | 21.21                 | 0.132 | 21.07               | 0.128 |
| 15              | 16QAM      | 1          | 74           | 20.91              | 0.123 | 21.09                 | 0.129 | 21.12               | 0.129 |
| 15              | 16QAM      | 36         | 0            | 19.95              | 0.099 | 20.17                 | 0.104 | 20.18               | 0.104 |
| 15              | 16QAM      | 36         | 20           | 20.21              | 0.105 | 20.09                 | 0.102 | 20.18               | 0.104 |
| 15              | 16QAM      | 36         | 39           | 19.92              | 0.098 | 19.91                 | 0.098 | 20.13               | 0.103 |
| 15              | 16QAM      | 75         | 0            | 20.13              | 0.103 | 20.02                 | 0.100 | 19.96               | 0.099 |
| 15              | 64QAM      | 1          | 0            | 20.15              | 0.104 | 20.15                 | 0.104 | 20.18               | 0.104 |
| 15              | 64QAM      | 1          | 37           | 20.23              | 0.105 | 20.11                 | 0.103 | 20.09               | 0.102 |
| 15              | 64QAM      | 1          | 74           | 19.93              | 0.098 | 20.06                 | 0.101 | 20.16               | 0.104 |
| 15              | 64QAM      | 36         | 0            | 19.02              | 0.080 | 19.04                 | 0.080 | 19.08               | 0.081 |
| 15              | 64QAM      | 36         | 20           | 19.08              | 0.081 | 19.15                 | 0.082 | 19.04               | 0.080 |
| 15              | 64QAM      | 36         | 39           | 19.08              | 0.081 | 19.01                 | 0.080 | 19.23               | 0.084 |
| 15              | 64QAM      | 75         | 0            | 18.95              | 0.079 | 19.05                 | 0.080 | 19.12               | 0.082 |



| 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            | 21.67              | 0.147 | 21.87                 | 0.154 | 21.82               | 0.152 |
| 10              | QPSK       | 1          | 25           | 21.84              | 0.153 | 21.83                 | 0.152 | 21.80               | 0.151 |
| 10              | QPSK       | 1          | 49           | 21.81              | 0.152 | 21.84                 | 0.153 | 21.80               | 0.151 |
| 10              | QPSK       | 25         | 0            | 21.00              | 0.126 | 21.07                 | 0.128 | 20.90               | 0.123 |
| 10              | QPSK       | 25         | 12           | 21.01              | 0.126 | 21.05                 | 0.127 | 20.98               | 0.125 |
| 10              | QPSK       | 25         | 25           | 20.84              | 0.121 | 20.93                 | 0.124 | 20.87               | 0.122 |
| 10              | QPSK       | 50         | 0            | 20.94              | 0.124 | 20.98                 | 0.125 | 20.88               | 0.122 |
| 10              | 16QAM      | 1          | 0            | 21.13              | 0.130 | 21.15                 | 0.130 | 21.05               | 0.127 |
| 10              | 16QAM      | 1          | 25           | 21.06              | 0.128 | 21.09                 | 0.129 | 20.95               | 0.124 |
| 10              | 16QAM      | 1          | 49           | 20.79              | 0.120 | 20.97                 | 0.125 | 21.00               | 0.126 |
| 10              | 16QAM      | 25         | 0            | 19.83              | 0.096 | 20.05                 | 0.101 | 20.06               | 0.101 |
| 10              | 16QAM      | 25         | 12           | 20.09              | 0.102 | 19.97                 | 0.099 | 20.06               | 0.101 |
| 10              | 16QAM      | 25         | 25           | 19.80              | 0.095 | 19.79                 | 0.095 | 20.01               | 0.100 |
| 10              | 16QAM      | 50         | 0            | 20.01              | 0.100 | 19.90                 | 0.098 | 19.84               | 0.096 |
| 10              | 64QAM      | 1          | 0            | 20.03              | 0.101 | 20.03                 | 0.101 | 20.06               | 0.101 |
| 10              | 64QAM      | 1          | 25           | 20.11              | 0.103 | 19.99                 | 0.100 | 19.97               | 0.099 |
| 10              | 64QAM      | 1          | 49           | 19.81              | 0.096 | 19.94                 | 0.099 | 20.04               | 0.101 |
| 10              | 64QAM      | 25         | 0            | 18.90              | 0.078 | 18.92                 | 0.078 | 18.96               | 0.079 |
| 10              | 64QAM      | 25         | 12           | 18.96              | 0.079 | 19.03                 | 0.080 | 18.92               | 0.078 |
| 10              | 64QAM      | 25         | 25           | 18.96              | 0.079 | 18.89                 | 0.077 | 19.11               | 0.081 |
| 10              | 64QAM      | 50         | 0            | 18.83              | 0.076 | 18.93                 | 0.078 | 19.00               | 0.079 |



| 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            | 21.58              | 0.144 | 21.78                 | 0.151 | 21.73               | 0.149 |
| 5               | QPSK       | 1          | 12           | 21.75              | 0.150 | 21.74                 | 0.149 | 21.71               | 0.148 |
| 5               | QPSK       | 1          | 24           | 21.72              | 0.149 | 21.75                 | 0.150 | 21.71               | 0.148 |
| 5               | QPSK       | 12         | 0            | 20.91              | 0.123 | 20.98                 | 0.125 | 20.81               | 0.121 |
| 5               | QPSK       | 12         | 7            | 20.92              | 0.124 | 20.96                 | 0.125 | 20.89               | 0.123 |
| 5               | QPSK       | 12         | 13           | 20.75              | 0.119 | 20.84                 | 0.121 | 20.78               | 0.120 |
| 5               | QPSK       | 25         | 0            | 20.85              | 0.122 | 20.89                 | 0.123 | 20.79               | 0.120 |
| 5               | 16QAM      | 1          | 0            | 21.04              | 0.127 | 21.06                 | 0.128 | 20.96               | 0.125 |
| 5               | 16QAM      | 1          | 12           | 20.97              | 0.125 | 21.00                 | 0.126 | 20.86               | 0.122 |
| 5               | 16QAM      | 1          | 24           | 20.70              | 0.117 | 20.88                 | 0.122 | 20.91               | 0.123 |
| 5               | 16QAM      | 12         | 0            | 19.74              | 0.094 | 19.96                 | 0.099 | 19.97               | 0.099 |
| 5               | 16QAM      | 12         | 7            | 20.00              | 0.100 | 19.88                 | 0.097 | 19.97               | 0.099 |
| 5               | 16QAM      | 12         | 13           | 19.71              | 0.094 | 19.70                 | 0.093 | 19.92               | 0.098 |
| 5               | 16QAM      | 25         | 0            | 19.92              | 0.098 | 19.81                 | 0.096 | 19.75               | 0.094 |
| 5               | 64QAM      | 1          | 0            | 19.94              | 0.099 | 19.94                 | 0.099 | 19.97               | 0.099 |
| 5               | 64QAM      | 1          | 12           | 20.02              | 0.100 | 19.90                 | 0.098 | 19.88               | 0.097 |
| 5               | 64QAM      | 1          | 24           | 19.72              | 0.094 | 19.85                 | 0.097 | 19.95               | 0.099 |
| 5               | 64QAM      | 12         | 0            | 18.81              | 0.076 | 18.83                 | 0.076 | 18.87               | 0.077 |
| 5               | 64QAM      | 12         | 7            | 18.87              | 0.077 | 18.94                 | 0.078 | 18.83               | 0.076 |
| 5               | 64QAM      | 12         | 13           | 18.87              | 0.077 | 18.80                 | 0.076 | 19.02               | 0.080 |
| 5               | 64QAM      | 25         | 0            | 18.74              | 0.075 | 18.84                 | 0.077 | 18.91               | 0.078 |



| 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            | 21.49              | 0.141 | 21.69                 | 0.148 | 21.64               | 0.146 |
| 3               | QPSK       | 1          | 8            | 21.66              | 0.147 | 21.65                 | 0.146 | 21.62               | 0.145 |
| 3               | QPSK       | 1          | 14           | 21.63              | 0.146 | 21.66                 | 0.147 | 21.62               | 0.145 |
| 3               | QPSK       | 8          | 0            | 20.82              | 0.121 | 20.89                 | 0.123 | 20.72               | 0.118 |
| 3               | QPSK       | 8          | 4            | 20.83              | 0.121 | 20.87                 | 0.122 | 20.80               | 0.120 |
| 3               | QPSK       | 8          | 7            | 20.66              | 0.116 | 20.75                 | 0.119 | 20.69               | 0.117 |
| 3               | QPSK       | 15         | 0            | 20.76              | 0.119 | 20.80                 | 0.120 | 20.70               | 0.117 |
| 3               | 16QAM      | 1          | 0            | 20.95              | 0.124 | 20.97                 | 0.125 | 20.87               | 0.122 |
| 3               | 16QAM      | 1          | 8            | 20.88              | 0.122 | 20.91                 | 0.123 | 20.77               | 0.119 |
| 3               | 16QAM      | 1          | 14           | 20.61              | 0.115 | 20.79                 | 0.120 | 20.82               | 0.121 |
| 3               | 16QAM      | 8          | 0            | 19.65              | 0.092 | 19.87                 | 0.097 | 19.88               | 0.097 |
| 3               | 16QAM      | 8          | 4            | 19.91              | 0.098 | 19.79                 | 0.095 | 19.88               | 0.097 |
| 3               | 16QAM      | 8          | 7            | 19.62              | 0.092 | 19.61                 | 0.091 | 19.83               | 0.096 |
| 3               | 16QAM      | 15         | 0            | 19.83              | 0.096 | 19.72                 | 0.094 | 19.66               | 0.092 |
| 3               | 64QAM      | 1          | 0            | 19.85              | 0.097 | 19.85                 | 0.097 | 19.88               | 0.097 |
| 3               | 64QAM      | 1          | 8            | 19.93              | 0.098 | 19.81                 | 0.096 | 19.79               | 0.095 |
| 3               | 64QAM      | 1          | 14           | 19.63              | 0.092 | 19.76                 | 0.095 | 19.86               | 0.097 |
| 3               | 64QAM      | 8          | 0            | 18.72              | 0.074 | 18.74                 | 0.075 | 18.78               | 0.076 |
| 3               | 64QAM      | 8          | 4            | 18.78              | 0.076 | 18.85                 | 0.077 | 18.74               | 0.075 |
| 3               | 64QAM      | 8          | 7            | 18.78              | 0.076 | 18.71                 | 0.074 | 18.93               | 0.078 |
| 3               | 64QAM      | 15         | 0            | 18.65              | 0.073 | 18.75                 | 0.075 | 18.82               | 0.076 |



| 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            | 21.44              | 0.139 | 21.64                 | 0.146 | 21.59               | 0.144 |
| 1.4             | QPSK       | 1          | 3            | 21.61              | 0.145 | 21.60                 | 0.145 | 21.57               | 0.144 |
| 1.4             | QPSK       | 1          | 5            | 21.58              | 0.144 | 21.61                 | 0.145 | 21.57               | 0.144 |
| 1.4             | QPSK       | 3          | 0            | 20.77              | 0.119 | 20.84                 | 0.121 | 20.67               | 0.117 |
| 1.4             | QPSK       | 3          | 1            | 20.78              | 0.120 | 20.82                 | 0.121 | 20.75               | 0.119 |
| 1.4             | QPSK       | 3          | 3            | 20.61              | 0.115 | 20.70                 | 0.117 | 20.64               | 0.116 |
| 1.4             | QPSK       | 6          | 0            | 20.71              | 0.118 | 20.75                 | 0.119 | 20.65               | 0.116 |
| 1.4             | 16QAM      | 1          | 0            | 20.90              | 0.123 | 20.92                 | 0.124 | 20.82               | 0.121 |
| 1.4             | 16QAM      | 1          | 3            | 20.83              | 0.121 | 20.86                 | 0.122 | 20.72               | 0.118 |
| 1.4             | 16QAM      | 1          | 5            | 20.56              | 0.114 | 20.74                 | 0.119 | 20.77               | 0.119 |
| 1.4             | 16QAM      | 3          | 0            | 19.60              | 0.091 | 19.82                 | 0.096 | 19.83               | 0.096 |
| 1.4             | 16QAM      | 3          | 1            | 19.86              | 0.097 | 19.74                 | 0.094 | 19.83               | 0.096 |
| 1.4             | 16QAM      | 3          | 3            | 19.57              | 0.091 | 19.56                 | 0.090 | 19.78               | 0.095 |
| 1.4             | 16QAM      | 6          | 0            | 19.78              | 0.095 | 19.67                 | 0.093 | 19.61               | 0.091 |
| 1.4             | 64QAM      | 1          | 0            | 19.80              | 0.095 | 19.80                 | 0.095 | 19.83               | 0.096 |
| 1.4             | 64QAM      | 1          | 3            | 19.88              | 0.097 | 19.76                 | 0.095 | 19.74               | 0.094 |
| 1.4             | 64QAM      | 1          | 5            | 19.58              | 0.091 | 19.71                 | 0.094 | 19.81               | 0.096 |
| 1.4             | 64QAM      | 3          | 0            | 18.67              | 0.074 | 18.69                 | 0.074 | 18.73               | 0.075 |
| 1.4             | 64QAM      | 3          | 1            | 18.73              | 0.075 | 18.80                 | 0.076 | 18.69               | 0.074 |
| 1.4             | 64QAM      | 3          | 3            | 18.73              | 0.075 | 18.66                 | 0.073 | 18.88               | 0.077 |
| 1.4             | 64QAM      | 6          | 0            | 18.60              | 0.072 | 18.70                 | 0.074 | 18.77               | 0.075 |



| 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            | 19.04              | 0.080 | 19.09                 | 0.081 | 19.00               | 0.079 |
| 10              | QPSK       | 1       | 25           | 18.97              | 0.079 | 19.05                 | 0.080 | 18.98               | 0.079 |
| 10              | QPSK       | 1       | 49           | 18.93              | 0.078 | 19.00                 | 0.079 | 18.97               | 0.079 |
| 10              | QPSK       | 25      | 0            | 18.20              | 0.066 | 18.21                 | 0.066 | 18.13               | 0.065 |
| 10              | QPSK       | 25      | 12           | 17.94              | 0.062 | 17.94                 | 0.062 | 18.21               | 0.066 |
| 10              | QPSK       | 25      | 25           | 18.21              | 0.066 | 17.99                 | 0.063 | 18.24               | 0.067 |
| 10              | QPSK       | 50      | 0            | 18.23              | 0.067 | 18.23                 | 0.067 | 18.18               | 0.066 |
| 10              | 16QAM      | 1       | 0            | 18.22              | 0.066 | 18.24                 | 0.067 | 18.13               | 0.065 |
| 10              | 16QAM      | 1       | 25           | 18.14              | 0.065 | 18.22                 | 0.066 | 17.98               | 0.063 |
| 10              | 16QAM      | 1       | 49           | 18.12              | 0.065 | 17.97                 | 0.063 | 18.07               | 0.064 |
| 10              | 16QAM      | 25      | 0            | 17.06              | 0.051 | 17.26                 | 0.053 | 17.29               | 0.054 |
| 10              | 16QAM      | 25      | 12           | 17.19              | 0.052 | 17.20                 | 0.052 | 17.03               | 0.050 |
| 10              | 16QAM      | 25      | 25           | 17.13              | 0.052 | 17.08                 | 0.051 | 17.16               | 0.052 |
| 10              | 16QAM      | 50      | 0            | 17.03              | 0.050 | 16.91                 | 0.049 | 17.00               | 0.050 |
| 10              | 64QAM      | 1       | 0            | 17.08              | 0.051 | 17.19                 | 0.052 | 17.10               | 0.051 |
| 10              | 64QAM      | 1       | 25           | 17.03              | 0.050 | 17.20                 | 0.052 | 17.07               | 0.051 |
| 10              | 64QAM      | 1       | 49           | 17.12              | 0.052 | 16.98                 | 0.050 | 16.99               | 0.050 |
| 10              | 64QAM      | 25      | 0            | 16.13              | 0.041 | 16.11                 | 0.041 | 16.15               | 0.041 |
| 10              | 64QAM      | 25      | 12           | 16.19              | 0.042 | 16.25                 | 0.042 | 16.17               | 0.041 |
| 10              | 64QAM      | 25      | 25           | 16.06              | 0.040 | 16.35                 | 0.043 | 16.14               | 0.041 |
| 10              | 64QAM      | 50      | 0            | 16.17              | 0.041 | 16.16                 | 0.041 | 16.21               | 0.042 |



| 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            | 18.94              | 0.078 | 18.99                 | 0.079 | 18.90               | 0.078 |
| 5               | QPSK       | 1       | 12           | 18.87              | 0.077 | 18.95                 | 0.079 | 18.88               | 0.077 |
| 5               | QPSK       | 1       | 24           | 18.83              | 0.076 | 18.90                 | 0.078 | 18.87               | 0.077 |
| 5               | QPSK       | 12      | 0            | 18.10              | 0.065 | 18.11                 | 0.065 | 18.03               | 0.064 |
| 5               | QPSK       | 12      | 7            | 17.84              | 0.061 | 17.84                 | 0.061 | 18.11               | 0.065 |
| 5               | QPSK       | 12      | 13           | 18.11              | 0.065 | 17.89                 | 0.062 | 18.14               | 0.065 |
| 5               | QPSK       | 25      | 0            | 18.13              | 0.065 | 18.13                 | 0.065 | 18.08               | 0.064 |
| 5               | 16QAM      | 1       | 0            | 18.12              | 0.065 | 18.14                 | 0.065 | 18.03               | 0.064 |
| 5               | 16QAM      | 1       | 12           | 18.04              | 0.064 | 18.12                 | 0.065 | 17.88               | 0.061 |
| 5               | 16QAM      | 1       | 24           | 18.02              | 0.063 | 17.87                 | 0.061 | 17.97               | 0.063 |
| 5               | 16QAM      | 12      | 0            | 16.96              | 0.050 | 17.16                 | 0.052 | 17.19               | 0.052 |
| 5               | 16QAM      | 12      | 7            | 17.09              | 0.051 | 17.10                 | 0.051 | 16.93               | 0.049 |
| 5               | 16QAM      | 12      | 13           | 17.03              | 0.050 | 16.98                 | 0.050 | 17.06               | 0.051 |
| 5               | 16QAM      | 25      | 0            | 16.93              | 0.049 | 16.81                 | 0.048 | 16.90               | 0.049 |
| 5               | 64QAM      | 1       | 0            | 16.98              | 0.050 | 17.09                 | 0.051 | 17.00               | 0.050 |
| 5               | 64QAM      | 1       | 12           | 16.93              | 0.049 | 17.10                 | 0.051 | 16.97               | 0.050 |
| 5               | 64QAM      | 1       | 24           | 17.02              | 0.050 | 16.88                 | 0.049 | 16.89               | 0.049 |
| 5               | 64QAM      | 12      | 0            | 16.03              | 0.040 | 16.01                 | 0.040 | 16.05               | 0.040 |
| 5               | 64QAM      | 12      | 7            | 16.09              | 0.041 | 16.15                 | 0.041 | 16.07               | 0.040 |
| 5               | 64QAM      | 12      | 13           | 15.96              | 0.039 | 16.25                 | 0.042 | 16.04               | 0.040 |
| 5               | 64QAM      | 25      | 0            | 16.07              | 0.040 | 16.06                 | 0.040 | 16.11               | 0.041 |



| 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            | 18.84              | 0.077 | 18.89                 | 0.077 | 18.80               | 0.076 |
| 3               | QPSK       | 1       | 8            | 18.77              | 0.075 | 18.85                 | 0.077 | 18.78               | 0.076 |
| 3               | QPSK       | 1       | 14           | 18.73              | 0.075 | 18.80                 | 0.076 | 18.77               | 0.075 |
| 3               | QPSK       | 8       | 0            | 18.00              | 0.063 | 18.01                 | 0.063 | 17.93               | 0.062 |
| 3               | QPSK       | 8       | 4            | 17.74              | 0.059 | 17.74                 | 0.059 | 18.01               | 0.063 |
| 3               | QPSK       | 8       | 7            | 18.01              | 0.063 | 17.79                 | 0.060 | 18.04               | 0.064 |
| 3               | QPSK       | 15      | 0            | 18.03              | 0.064 | 18.03                 | 0.064 | 17.98               | 0.063 |
| 3               | 16QAM      | 1       | 0            | 18.02              | 0.063 | 18.04                 | 0.064 | 17.93               | 0.062 |
| 3               | 16QAM      | 1       | 8            | 17.94              | 0.062 | 18.02                 | 0.063 | 17.78               | 0.060 |
| 3               | 16QAM      | 1       | 14           | 17.92              | 0.062 | 17.77                 | 0.060 | 17.87               | 0.061 |
| 3               | 16QAM      | 8       | 0            | 16.86              | 0.049 | 17.06                 | 0.051 | 17.09               | 0.051 |
| 3               | 16QAM      | 8       | 4            | 16.99              | 0.050 | 17.00                 | 0.050 | 16.83               | 0.048 |
| 3               | 16QAM      | 8       | 7            | 16.93              | 0.049 | 16.88                 | 0.049 | 16.96               | 0.050 |
| 3               | 16QAM      | 15      | 0            | 16.83              | 0.048 | 16.71                 | 0.047 | 16.80               | 0.048 |
| 3               | 64QAM      | 1       | 0            | 16.88              | 0.049 | 16.99                 | 0.050 | 16.90               | 0.049 |
| 3               | 64QAM      | 1       | 8            | 16.83              | 0.048 | 17.00                 | 0.050 | 16.87               | 0.049 |
| 3               | 64QAM      | 1       | 14           | 16.92              | 0.049 | 16.78                 | 0.048 | 16.79               | 0.048 |
| 3               | 64QAM      | 8       | 0            | 15.93              | 0.039 | 15.91                 | 0.039 | 15.95               | 0.039 |
| 3               | 64QAM      | 8       | 4            | 15.99              | 0.040 | 16.05                 | 0.040 | 15.97               | 0.040 |
| 3               | 64QAM      | 8       | 7            | 15.86              | 0.039 | 16.15                 | 0.041 | 15.94               | 0.039 |
| 3               | 64QAM      | 15      | 0            | 15.97              | 0.040 | 15.96                 | 0.039 | 16.01               | 0.040 |



| 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            | 18.74              | 0.075 | 18.79                 | 0.076 | 18.70               | 0.074 |
| 1.4             | QPSK       | 1       | 3            | 18.67              | 0.074 | 18.75                 | 0.075 | 18.68               | 0.074 |
| 1.4             | QPSK       | 1       | 5            | 18.63              | 0.073 | 18.70                 | 0.074 | 18.67               | 0.074 |
| 1.4             | QPSK       | 3       | 0            | 17.90              | 0.062 | 17.91                 | 0.062 | 17.83               | 0.061 |
| 1.4             | QPSK       | 3       | 1            | 17.64              | 0.058 | 17.64                 | 0.058 | 17.91               | 0.062 |
| 1.4             | QPSK       | 3       | 3            | 17.91              | 0.062 | 17.69                 | 0.059 | 17.94               | 0.062 |
| 1.4             | QPSK       | 6       | 0            | 17.93              | 0.062 | 17.93                 | 0.062 | 17.88               | 0.061 |
| 1.4             | 16QAM      | 1       | 0            | 17.92              | 0.062 | 17.94                 | 0.062 | 17.83               | 0.061 |
| 1.4             | 16QAM      | 1       | 3            | 17.84              | 0.061 | 17.92                 | 0.062 | 17.68               | 0.059 |
| 1.4             | 16QAM      | 1       | 5            | 17.82              | 0.061 | 17.67                 | 0.058 | 17.77               | 0.060 |
| 1.4             | 16QAM      | 3       | 0            | 16.76              | 0.047 | 16.96                 | 0.050 | 16.99               | 0.050 |
| 1.4             | 16QAM      | 3       | 1            | 16.89              | 0.049 | 16.90                 | 0.049 | 16.73               | 0.047 |
| 1.4             | 16QAM      | 3       | 3            | 16.83              | 0.048 | 16.78                 | 0.048 | 16.86               | 0.049 |
| 1.4             | 16QAM      | 6       | 0            | 16.73              | 0.047 | 16.61                 | 0.046 | 16.70               | 0.047 |
| 1.4             | 64QAM      | 1       | 0            | 16.78              | 0.048 | 16.89                 | 0.049 | 16.80               | 0.048 |
| 1.4             | 64QAM      | 1       | 3            | 16.73              | 0.047 | 16.90                 | 0.049 | 16.77               | 0.048 |
| 1.4             | 64QAM      | 1       | 5            | 16.82              | 0.048 | 16.68                 | 0.047 | 16.69               | 0.047 |
| 1.4             | 64QAM      | 3       | 0            | 15.83              | 0.038 | 15.81                 | 0.038 | 15.85               | 0.038 |
| 1.4             | 64QAM      | 3       | 1            | 15.89              | 0.039 | 15.95                 | 0.039 | 15.87               | 0.039 |
| 1.4             | 64QAM      | 3       | 3            | 15.76              | 0.038 | 16.05                 | 0.040 | 15.84               | 0.038 |
| 1.4             | 64QAM      | 6       | 0            | 15.87              | 0.039 | 15.86                 | 0.039 | 15.91               | 0.039 |



| 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            | 22.44              | 0.175 | 22.49                 | 0.177 | 22.44               | 0.175 |
| 20              | QPSK       | 1          | 49           | 22.43              | 0.175 | 22.45                 | 0.176 | 22.43               | 0.175 |
| 20              | QPSK       | 1          | 99           | 22.49              | 0.177 | 22.40                 | 0.174 | 22.51               | 0.178 |
| 20              | QPSK       | 50         | 0            | 21.57              | 0.144 | 21.70                 | 0.148 | 21.51               | 0.142 |
| 20              | QPSK       | 50         | 24           | 21.46              | 0.140 | 21.52                 | 0.142 | 21.60               | 0.145 |
| 20              | QPSK       | 50         | 50           | 21.61              | 0.145 | 21.60                 | 0.145 | 21.69               | 0.148 |
| 20              | QPSK       | 100        | 0            | 21.50              | 0.141 | 21.50                 | 0.141 | 21.49               | 0.141 |
| 20              | 16QAM      | 1          | 0            | 21.67              | 0.147 | 21.74                 | 0.149 | 21.67               | 0.147 |
| 20              | 16QAM      | 1          | 49           | 21.74              | 0.149 | 21.69                 | 0.148 | 21.57               | 0.144 |
| 20              | 16QAM      | 1          | 99           | 21.44              | 0.139 | 21.46                 | 0.140 | 21.69               | 0.148 |
| 20              | 16QAM      | 50         | 0            | 20.45              | 0.111 | 20.77                 | 0.119 | 20.72               | 0.118 |
| 20              | 16QAM      | 50         | 24           | 20.55              | 0.114 | 20.70                 | 0.117 | 20.44               | 0.111 |
| 20              | 16QAM      | 50         | 50           | 20.46              | 0.111 | 20.47                 | 0.111 | 20.60               | 0.115 |
| 20              | 16QAM      | 100        | 0            | 20.50              | 0.112 | 20.42                 | 0.110 | 20.44               | 0.111 |
| 20              | 64QAM      | 1          | 0            | 20.51              | 0.112 | 20.75                 | 0.119 | 20.63               | 0.116 |
| 20              | 64QAM      | 1          | 49           | 20.70              | 0.117 | 20.62                 | 0.115 | 20.67               | 0.117 |
| 20              | 64QAM      | 1          | 99           | 20.36              | 0.109 | 20.72                 | 0.118 | 20.41               | 0.110 |
| 20              | 64QAM      | 50         | 0            | 19.78              | 0.095 | 19.62                 | 0.092 | 19.72               | 0.094 |
| 20              | 64QAM      | 50         | 24           | 19.58              | 0.091 | 19.62                 | 0.092 | 19.49               | 0.089 |
| 20              | 64QAM      | 50         | 50           | 19.76              | 0.095 | 19.66                 | 0.092 | 19.65               | 0.092 |
| 20              | 64QAM      | 100        | 0            | 19.50              | 0.089 | 19.83                 | 0.096 | 19.72               | 0.094 |



| 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            | 22.39              | 0.173 | 22.44                 | 0.175 | 22.39               | 0.173 |
| 15              | QPSK       | 1          | 37           | 22.38              | 0.173 | 22.40                 | 0.174 | 22.38               | 0.173 |
| 15              | QPSK       | 1          | 74           | 22.44              | 0.175 | 22.35                 | 0.172 | 22.46               | 0.176 |
| 15              | QPSK       | 36         | 0            | 21.52              | 0.142 | 21.65                 | 0.146 | 21.46               | 0.140 |
| 15              | QPSK       | 36         | 20           | 21.41              | 0.138 | 21.47                 | 0.140 | 21.55               | 0.143 |
| 15              | QPSK       | 36         | 39           | 21.56              | 0.143 | 21.55                 | 0.143 | 21.64               | 0.146 |
| 15              | QPSK       | 75         | 0            | 21.45              | 0.140 | 21.45                 | 0.140 | 21.44               | 0.139 |
| 15              | 16QAM      | 1          | 0            | 21.62              | 0.145 | 21.69                 | 0.148 | 21.62               | 0.145 |
| 15              | 16QAM      | 1          | 37           | 21.69              | 0.148 | 21.64                 | 0.146 | 21.52               | 0.142 |
| 15              | 16QAM      | 1          | 74           | 21.39              | 0.138 | 21.41                 | 0.138 | 21.64               | 0.146 |
| 15              | 16QAM      | 36         | 0            | 20.40              | 0.110 | 20.72                 | 0.118 | 20.67               | 0.117 |
| 15              | 16QAM      | 36         | 20           | 20.50              | 0.112 | 20.65                 | 0.116 | 20.39               | 0.109 |
| 15              | 16QAM      | 36         | 39           | 20.41              | 0.110 | 20.42                 | 0.110 | 20.55               | 0.114 |
| 15              | 16QAM      | 75         | 0            | 20.45              | 0.111 | 20.37                 | 0.109 | 20.39               | 0.109 |
| 15              | 64QAM      | 1          | 0            | 20.46              | 0.111 | 20.70                 | 0.117 | 20.58               | 0.114 |
| 15              | 64QAM      | 1          | 37           | 20.65              | 0.116 | 20.57                 | 0.114 | 20.62               | 0.115 |
| 15              | 64QAM      | 1          | 74           | 20.31              | 0.107 | 20.67                 | 0.117 | 20.36               | 0.109 |
| 15              | 64QAM      | 36         | 0            | 19.73              | 0.094 | 19.57                 | 0.091 | 19.67               | 0.093 |
| 15              | 64QAM      | 36         | 20           | 19.53              | 0.090 | 19.57                 | 0.091 | 19.44               | 0.088 |
| 15              | 64QAM      | 36         | 39           | 19.71              | 0.094 | 19.61                 | 0.091 | 19.60               | 0.091 |
| 15              | 64QAM      | 75         | 0            | 19.45              | 0.088 | 19.78                 | 0.095 | 19.67               | 0.093 |



| 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            | 22.34              | 0.171 | 22.39                 | 0.173 | 22.34               | 0.171 |
| 10              | QPSK       | 1          | 25           | 22.33              | 0.171 | 22.35                 | 0.172 | 22.33               | 0.171 |
| 10              | QPSK       | 1          | 49           | 22.39              | 0.173 | 22.30                 | 0.170 | 22.41               | 0.174 |
| 10              | QPSK       | 25         | 0            | 21.47              | 0.140 | 21.60                 | 0.145 | 21.41               | 0.138 |
| 10              | QPSK       | 25         | 12           | 21.36              | 0.137 | 21.42                 | 0.139 | 21.50               | 0.141 |
| 10              | QPSK       | 25         | 25           | 21.51              | 0.142 | 21.50                 | 0.141 | 21.59               | 0.144 |
| 10              | QPSK       | 50         | 0            | 21.40              | 0.138 | 21.40                 | 0.138 | 21.39               | 0.138 |
| 10              | 16QAM      | 1          | 0            | 21.57              | 0.144 | 21.64                 | 0.146 | 21.57               | 0.144 |
| 10              | 16QAM      | 1          | 25           | 21.64              | 0.146 | 21.59                 | 0.144 | 21.47               | 0.140 |
| 10              | 16QAM      | 1          | 49           | 21.34              | 0.136 | 21.36                 | 0.137 | 21.59               | 0.144 |
| 10              | 16QAM      | 25         | 0            | 20.35              | 0.108 | 20.67                 | 0.117 | 20.62               | 0.115 |
| 10              | 16QAM      | 25         | 12           | 20.45              | 0.111 | 20.60                 | 0.115 | 20.34               | 0.108 |
| 10              | 16QAM      | 25         | 25           | 20.36              | 0.109 | 20.37                 | 0.109 | 20.50               | 0.112 |
| 10              | 16QAM      | 50         | 0            | 20.40              | 0.110 | 20.32                 | 0.108 | 20.34               | 0.108 |
| 10              | 64QAM      | 1          | 0            | 20.41              | 0.110 | 20.65                 | 0.116 | 20.53               | 0.113 |
| 10              | 64QAM      | 1          | 25           | 20.60              | 0.115 | 20.52                 | 0.113 | 20.57               | 0.114 |
| 10              | 64QAM      | 1          | 49           | 20.26              | 0.106 | 20.62                 | 0.115 | 20.31               | 0.107 |
| 10              | 64QAM      | 25         | 0            | 19.68              | 0.093 | 19.52                 | 0.090 | 19.62               | 0.092 |
| 10              | 64QAM      | 25         | 12           | 19.48              | 0.089 | 19.52                 | 0.090 | 19.39               | 0.087 |
| 10              | 64QAM      | 25         | 25           | 19.66              | 0.092 | 19.56                 | 0.090 | 19.55               | 0.090 |
| 10              | 64QAM      | 50         | 0            | 19.40              | 0.087 | 19.73                 | 0.094 | 19.62               | 0.092 |



| 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            | 22.29              | 0.169 | 22.34                 | 0.171 | 22.29               | 0.169 |
| 5               | QPSK       | 1          | 12           | 22.28              | 0.169 | 22.30                 | 0.170 | 22.28               | 0.169 |
| 5               | QPSK       | 1          | 24           | 22.34              | 0.171 | 22.25                 | 0.168 | 22.36               | 0.172 |
| 5               | QPSK       | 12         | 0            | 21.42              | 0.139 | 21.55                 | 0.143 | 21.36               | 0.137 |
| 5               | QPSK       | 12         | 7            | 21.31              | 0.135 | 21.37                 | 0.137 | 21.45               | 0.140 |
| 5               | QPSK       | 12         | 13           | 21.46              | 0.140 | 21.45                 | 0.140 | 21.54               | 0.143 |
| 5               | QPSK       | 25         | 0            | 21.35              | 0.136 | 21.35                 | 0.136 | 21.34               | 0.136 |
| 5               | 16QAM      | 1          | 0            | 21.52              | 0.142 | 21.59                 | 0.144 | 21.52               | 0.142 |
| 5               | 16QAM      | 1          | 12           | 21.59              | 0.144 | 21.54                 | 0.143 | 21.42               | 0.139 |
| 5               | 16QAM      | 1          | 24           | 21.29              | 0.135 | 21.31                 | 0.135 | 21.54               | 0.143 |
| 5               | 16QAM      | 12         | 0            | 20.30              | 0.107 | 20.62                 | 0.115 | 20.57               | 0.114 |
| 5               | 16QAM      | 12         | 7            | 20.40              | 0.110 | 20.55                 | 0.114 | 20.29               | 0.107 |
| 5               | 16QAM      | 12         | 13           | 20.31              | 0.107 | 20.32                 | 0.108 | 20.45               | 0.111 |
| 5               | 16QAM      | 25         | 0            | 20.35              | 0.108 | 20.27                 | 0.106 | 20.29               | 0.107 |
| 5               | 64QAM      | 1          | 0            | 20.36              | 0.109 | 20.60                 | 0.115 | 20.48               | 0.112 |
| 5               | 64QAM      | 1          | 12           | 20.55              | 0.114 | 20.47                 | 0.111 | 20.52               | 0.113 |
| 5               | 64QAM      | 1          | 24           | 20.21              | 0.105 | 20.57                 | 0.114 | 20.26               | 0.106 |
| 5               | 64QAM      | 12         | 0            | 19.63              | 0.092 | 19.47                 | 0.089 | 19.57               | 0.091 |
| 5               | 64QAM      | 12         | 7            | 19.43              | 0.088 | 19.47                 | 0.089 | 19.34               | 0.086 |
| 5               | 64QAM      | 12         | 13           | 19.61              | 0.091 | 19.51                 | 0.089 | 19.50               | 0.089 |
| 5               | 64QAM      | 25         | 0            | 19.35              | 0.086 | 19.68                 | 0.093 | 19.57               | 0.091 |



| 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            | 17.36              | 0.054 | 17.54                 | 0.057 | 17.45               | 0.056 |
| 10              | QPSK       | 1       | 25           | 17.46              | 0.056 | 17.45                 | 0.056 | 17.52               | 0.056 |
| 10              | QPSK       | 1       | 49           | 17.42              | 0.055 | 17.45                 | 0.056 | 17.50               | 0.056 |
| 10              | QPSK       | 25      | 0            | 16.63              | 0.046 | 16.74                 | 0.047 | 16.47               | 0.044 |
| 10              | QPSK       | 25      | 12           | 16.61              | 0.046 | 16.65                 | 0.046 | 16.55               | 0.045 |
| 10              | QPSK       | 25      | 25           | 16.51              | 0.045 | 16.70                 | 0.047 | 16.73               | 0.047 |
| 10              | QPSK       | 50      | 0            | 16.51              | 0.045 | 16.63                 | 0.046 | 16.48               | 0.044 |
| 10              | 16QAM      | 1       | 0            | 16.69              | 0.047 | 16.65                 | 0.046 | 16.61               | 0.046 |
| 10              | 16QAM      | 1       | 25           | 16.78              | 0.048 | 16.53                 | 0.045 | 16.52               | 0.045 |
| 10              | 16QAM      | 1       | 49           | 16.44              | 0.044 | 16.57                 | 0.045 | 16.56               | 0.045 |
| 10              | 16QAM      | 25      | 0            | 15.72              | 0.037 | 15.80                 | 0.038 | 15.76               | 0.038 |
| 10              | 16QAM      | 25      | 12           | 15.62              | 0.036 | 15.64                 | 0.037 | 15.59               | 0.036 |
| 10              | 16QAM      | 25      | 25           | 15.68              | 0.037 | 15.53                 | 0.036 | 15.72               | 0.037 |
| 10              | 16QAM      | 50      | 0            | 15.52              | 0.036 | 15.56                 | 0.036 | 15.39               | 0.035 |
| 10              | 64QAM      | 1       | 0            | 15.40              | 0.035 | 15.81                 | 0.038 | 15.80               | 0.038 |
| 10              | 64QAM      | 1       | 25           | 15.66              | 0.037 | 15.62                 | 0.036 | 15.79               | 0.038 |
| 10              | 64QAM      | 1       | 49           | 15.57              | 0.036 | 15.61                 | 0.036 | 15.52               | 0.036 |
| 10              | 64QAM      | 25      | 0            | 14.57              | 0.029 | 14.67                 | 0.029 | 14.52               | 0.028 |
| 10              | 64QAM      | 25      | 12           | 14.54              | 0.028 | 14.48                 | 0.028 | 14.49               | 0.028 |
| 10              | 64QAM      | 25      | 25           | 14.81              | 0.030 | 14.54                 | 0.028 | 14.60               | 0.029 |
| 10              | 64QAM      | 50      | 0            | 14.51              | 0.028 | 14.52                 | 0.028 | 14.66               | 0.029 |



| 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            | 17.27              | 0.053 | 17.45                 | 0.056 | 17.36               | 0.054 |
| 5               | QPSK       | 1       | 12           | 17.37              | 0.055 | 17.36                 | 0.054 | 17.43               | 0.055 |
| 5               | QPSK       | 1       | 24           | 17.33              | 0.054 | 17.36                 | 0.054 | 17.41               | 0.055 |
| 5               | QPSK       | 12      | 0            | 16.54              | 0.045 | 16.65                 | 0.046 | 16.38               | 0.043 |
| 5               | QPSK       | 12      | 7            | 16.52              | 0.045 | 16.56                 | 0.045 | 16.46               | 0.044 |
| 5               | QPSK       | 12      | 13           | 16.42              | 0.044 | 16.61                 | 0.046 | 16.64               | 0.046 |
| 5               | QPSK       | 25      | 0            | 16.42              | 0.044 | 16.54                 | 0.045 | 16.39               | 0.044 |
| 5               | 16QAM      | 1       | 0            | 16.60              | 0.046 | 16.56                 | 0.045 | 16.52               | 0.045 |
| 5               | 16QAM      | 1       | 12           | 16.69              | 0.047 | 16.44                 | 0.044 | 16.43               | 0.044 |
| 5               | 16QAM      | 1       | 24           | 16.35              | 0.043 | 16.48                 | 0.044 | 16.47               | 0.044 |
| 5               | 16QAM      | 12      | 0            | 15.63              | 0.037 | 15.71                 | 0.037 | 15.67               | 0.037 |
| 5               | 16QAM      | 12      | 7            | 15.53              | 0.036 | 15.55                 | 0.036 | 15.50               | 0.035 |
| 5               | 16QAM      | 12      | 13           | 15.59              | 0.036 | 15.44                 | 0.035 | 15.63               | 0.037 |
| 5               | 16QAM      | 25      | 0            | 15.43              | 0.035 | 15.47                 | 0.035 | 15.30               | 0.034 |
| 5               | 64QAM      | 1       | 0            | 15.31              | 0.034 | 15.72                 | 0.037 | 15.71               | 0.037 |
| 5               | 64QAM      | 1       | 12           | 15.57              | 0.036 | 15.53                 | 0.036 | 15.70               | 0.037 |
| 5               | 64QAM      | 1       | 24           | 15.48              | 0.035 | 15.52                 | 0.036 | 15.43               | 0.035 |
| 5               | 64QAM      | 12      | 0            | 14.48              | 0.028 | 14.58                 | 0.029 | 14.43               | 0.028 |
| 5               | 64QAM      | 12      | 7            | 14.45              | 0.028 | 14.39                 | 0.027 | 14.40               | 0.028 |
| 5               | 64QAM      | 12      | 13           | 14.72              | 0.030 | 14.45                 | 0.028 | 14.51               | 0.028 |
| 5               | 64QAM      | 25      | 0            | 14.42              | 0.028 | 14.43                 | 0.028 | 14.57               | 0.029 |



| 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            | 17.18              | 0.052 | 17.36                 | 0.054 | 17.27               | 0.053 |
| 3               | QPSK       | 1       | 8            | 17.28              | 0.053 | 17.27                 | 0.053 | 17.34               | 0.054 |
| 3               | QPSK       | 1       | 14           | 17.24              | 0.053 | 17.27                 | 0.053 | 17.32               | 0.054 |
| 3               | QPSK       | 8       | 0            | 16.45              | 0.044 | 16.56                 | 0.045 | 16.29               | 0.043 |
| 3               | QPSK       | 8       | 4            | 16.43              | 0.044 | 16.47                 | 0.044 | 16.37               | 0.043 |
| 3               | QPSK       | 8       | 7            | 16.33              | 0.043 | 16.52                 | 0.045 | 16.55               | 0.045 |
| 3               | QPSK       | 15      | 0            | 16.33              | 0.043 | 16.45                 | 0.044 | 16.30               | 0.043 |
| 3               | 16QAM      | 1       | 0            | 16.51              | 0.045 | 16.47                 | 0.044 | 16.43               | 0.044 |
| 3               | 16QAM      | 1       | 8            | 16.60              | 0.046 | 16.35                 | 0.043 | 16.34               | 0.043 |
| 3               | 16QAM      | 1       | 14           | 16.26              | 0.042 | 16.39                 | 0.044 | 16.38               | 0.043 |
| 3               | 16QAM      | 8       | 0            | 15.54              | 0.036 | 15.62                 | 0.036 | 15.58               | 0.036 |
| 3               | 16QAM      | 8       | 4            | 15.44              | 0.035 | 15.46                 | 0.035 | 15.41               | 0.035 |
| 3               | 16QAM      | 8       | 7            | 15.50              | 0.035 | 15.35                 | 0.034 | 15.54               | 0.036 |
| 3               | 16QAM      | 15      | 0            | 15.34              | 0.034 | 15.38                 | 0.035 | 15.21               | 0.033 |
| 3               | 64QAM      | 1       | 0            | 15.22              | 0.033 | 15.63                 | 0.037 | 15.62               | 0.036 |
| 3               | 64QAM      | 1       | 8            | 15.48              | 0.035 | 15.44                 | 0.035 | 15.61               | 0.036 |
| 3               | 64QAM      | 1       | 14           | 15.39              | 0.035 | 15.43                 | 0.035 | 15.34               | 0.034 |
| 3               | 64QAM      | 8       | 0            | 14.39              | 0.027 | 14.49                 | 0.028 | 14.34               | 0.027 |
| 3               | 64QAM      | 8       | 4            | 14.36              | 0.027 | 14.30                 | 0.027 | 14.31               | 0.027 |
| 3               | 64QAM      | 8       | 7            | 14.63              | 0.029 | 14.36                 | 0.027 | 14.42               | 0.028 |
| 3               | 64QAM      | 15      | 0            | 14.33              | 0.027 | 14.34                 | 0.027 | 14.48               | 0.028 |



| 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            | 17.13              | 0.052 | 17.31                 | 0.054 | 17.22               | 0.053 |
| 1.4             | QPSK       | 1       | 3            | 17.23              | 0.053 | 17.22                 | 0.053 | 17.29               | 0.054 |
| 1.4             | QPSK       | 1       | 5            | 17.19              | 0.052 | 17.22                 | 0.053 | 17.27               | 0.053 |
| 1.4             | QPSK       | 3       | 0            | 16.40              | 0.044 | 16.51                 | 0.045 | 16.24               | 0.042 |
| 1.4             | QPSK       | 3       | 1            | 16.38              | 0.043 | 16.42                 | 0.044 | 16.32               | 0.043 |
| 1.4             | QPSK       | 3       | 3            | 16.28              | 0.042 | 16.47                 | 0.044 | 16.50               | 0.045 |
| 1.4             | QPSK       | 6       | 0            | 16.28              | 0.042 | 16.40                 | 0.044 | 16.25               | 0.042 |
| 1.4             | 16QAM      | 1       | 0            | 16.46              | 0.044 | 16.42                 | 0.044 | 16.38               | 0.043 |
| 1.4             | 16QAM      | 1       | 3            | 16.55              | 0.045 | 16.30                 | 0.043 | 16.29               | 0.043 |
| 1.4             | 16QAM      | 1       | 5            | 16.21              | 0.042 | 16.34                 | 0.043 | 16.33               | 0.043 |
| 1.4             | 16QAM      | 3       | 0            | 15.49              | 0.035 | 15.57                 | 0.036 | 15.53               | 0.036 |
| 1.4             | 16QAM      | 3       | 1            | 15.39              | 0.035 | 15.41                 | 0.035 | 15.36               | 0.034 |
| 1.4             | 16QAM      | 3       | 3            | 15.45              | 0.035 | 15.30                 | 0.034 | 15.49               | 0.035 |
| 1.4             | 16QAM      | 6       | 0            | 15.29              | 0.034 | 15.33                 | 0.034 | 15.16               | 0.033 |
| 1.4             | 64QAM      | 1       | 0            | 15.17              | 0.033 | 15.42                 | 0.035 | 15.40               | 0.035 |
| 1.4             | 64QAM      | 1       | 3            | 15.35              | 0.034 | 15.39                 | 0.035 | 15.35               | 0.034 |
| 1.4             | 64QAM      | 1       | 5            | 15.34              | 0.034 | 15.38                 | 0.035 | 15.29               | 0.034 |
| 1.4             | 64QAM      | 3       | 0            | 14.34              | 0.027 | 14.44                 | 0.028 | 14.29               | 0.027 |
| 1.4             | 64QAM      | 3       | 1            | 14.31              | 0.027 | 14.25                 | 0.027 | 14.26               | 0.027 |
| 1.4             | 64QAM      | 3       | 3            | 14.58              | 0.029 | 14.31                 | 0.027 | 14.37               | 0.027 |
| 1.4             | 64QAM      | 6       | 0            | 14.28              | 0.027 | 14.29                 | 0.027 | 14.43               | 0.028 |



| 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            | 17.71              | 0.059 | 17.79                 | 0.060 | 17.75               | 0.060 |
| 10              | QPSK       | 1       | 25           | 17.37              | 0.055 | 17.56                 | 0.057 | 17.46               | 0.056 |
| 10              | QPSK       | 1       | 49           | 17.57              | 0.057 | 17.49                 | 0.056 | 17.53               | 0.057 |
| 10              | QPSK       | 25      | 0            | 16.49              | 0.045 | 16.73                 | 0.047 | 16.61               | 0.046 |
| 10              | QPSK       | 25      | 12           | 16.53              | 0.045 | 16.65                 | 0.046 | 16.64               | 0.046 |
| 10              | QPSK       | 25      | 25           | 16.72              | 0.047 | 16.49                 | 0.045 | 16.56               | 0.045 |
| 10              | QPSK       | 50      | 0            | 16.60              | 0.046 | 16.60                 | 0.046 | 16.63               | 0.046 |
| 10              | 16QAM      | 1       | 0            | 16.67              | 0.046 | 16.74                 | 0.047 | 16.66               | 0.046 |
| 10              | 16QAM      | 1       | 25           | 16.61              | 0.046 | 16.57                 | 0.045 | 16.44               | 0.044 |
| 10              | 16QAM      | 1       | 49           | 16.69              | 0.047 | 16.42                 | 0.044 | 16.65               | 0.046 |
| 10              | 16QAM      | 25      | 0            | 15.53              | 0.036 | 15.54                 | 0.036 | 15.59               | 0.036 |
| 10              | 16QAM      | 25      | 12           | 15.50              | 0.035 | 15.61                 | 0.036 | 15.45               | 0.035 |
| 10              | 16QAM      | 25      | 25           | 15.70              | 0.037 | 15.52                 | 0.036 | 15.66               | 0.037 |
| 10              | 16QAM      | 50      | 0            | 15.38              | 0.035 | 15.63                 | 0.037 | 15.62               | 0.036 |
| 10              | 64QAM      | 1       | 0            | 15.41              | 0.035 | 15.68                 | 0.037 | 15.75               | 0.038 |
| 10              | 64QAM      | 1       | 25           | 15.57              | 0.036 | 15.55                 | 0.036 | 15.70               | 0.037 |
| 10              | 64QAM      | 1       | 49           | 15.56              | 0.036 | 15.71                 | 0.037 | 15.53               | 0.036 |
| 10              | 64QAM      | 25      | 0            | 14.61              | 0.029 | 14.78                 | 0.030 | 14.76               | 0.030 |
| 10              | 64QAM      | 25      | 12           | 14.68              | 0.029 | 14.66                 | 0.029 | 14.60               | 0.029 |
| 10              | 64QAM      | 25      | 25           | 14.59              | 0.029 | 14.51                 | 0.028 | 14.57               | 0.029 |
| 10              | 64QAM      | 50      | 0            | 14.66              | 0.029 | 14.64                 | 0.029 | 14.62               | 0.029 |



| 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            | 17.62              | 0.058 | 17.70                 | 0.059 | 17.66               | 0.058 |
| 5               | QPSK       | 1       | 12           | 17.28              | 0.053 | 17.47                 | 0.056 | 17.37               | 0.055 |
| 5               | QPSK       | 1       | 24           | 17.48              | 0.056 | 17.40                 | 0.055 | 17.44               | 0.055 |
| 5               | QPSK       | 12      | 0            | 16.40              | 0.044 | 16.64                 | 0.046 | 16.52               | 0.045 |
| 5               | QPSK       | 12      | 7            | 16.44              | 0.044 | 16.56                 | 0.045 | 16.55               | 0.045 |
| 5               | QPSK       | 12      | 13           | 16.63              | 0.046 | 16.40                 | 0.044 | 16.47               | 0.044 |
| 5               | QPSK       | 25      | 0            | 16.51              | 0.045 | 16.51                 | 0.045 | 16.54               | 0.045 |
| 5               | 16QAM      | 1       | 0            | 16.58              | 0.045 | 16.65                 | 0.046 | 16.57               | 0.045 |
| 5               | 16QAM      | 1       | 12           | 16.52              | 0.045 | 16.48                 | 0.044 | 16.35               | 0.043 |
| 5               | 16QAM      | 1       | 24           | 16.60              | 0.046 | 16.33                 | 0.043 | 16.56               | 0.045 |
| 5               | 16QAM      | 12      | 0            | 15.44              | 0.035 | 15.45                 | 0.035 | 15.50               | 0.035 |
| 5               | 16QAM      | 12      | 7            | 15.41              | 0.035 | 15.52                 | 0.036 | 15.36               | 0.034 |
| 5               | 16QAM      | 12      | 13           | 15.61              | 0.036 | 15.43                 | 0.035 | 15.57               | 0.036 |
| 5               | 16QAM      | 25      | 0            | 15.29              | 0.034 | 15.54                 | 0.036 | 15.53               | 0.036 |
| 5               | 64QAM      | 1       | 0            | 15.32              | 0.034 | 15.59                 | 0.036 | 15.66               | 0.037 |
| 5               | 64QAM      | 1       | 12           | 15.48              | 0.035 | 15.46                 | 0.035 | 15.61               | 0.036 |
| 5               | 64QAM      | 1       | 24           | 15.47              | 0.035 | 15.62                 | 0.036 | 15.44               | 0.035 |
| 5               | 64QAM      | 12      | 0            | 14.52              | 0.028 | 14.69                 | 0.029 | 14.67               | 0.029 |
| 5               | 64QAM      | 12      | 7            | 14.59              | 0.029 | 14.57                 | 0.029 | 14.51               | 0.028 |
| 5               | 64QAM      | 12      | 13           | 14.50              | 0.028 | 14.42                 | 0.028 | 14.48               | 0.028 |
| 5               | 64QAM      | 25      | 0            | 14.57              | 0.029 | 14.55                 | 0.029 | 14.53               | 0.028 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37850             |       | 38000              |       | 38150            |       |
| Frequency (MHz) |            |         |           | 2580              |       | 2595               |       | 2610             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 23.48             | 0.223 | 23.54              | 0.226 | 23.53            | 0.225 |
| 20              | QPSK       | 1       | 49        | 23.44             | 0.221 | 23.50              | 0.224 | 23.35            | 0.216 |
| 20              | QPSK       | 1       | 99        | 23.44             | 0.221 | 23.41              | 0.219 | 23.41            | 0.219 |
| 20              | QPSK       | 50      | 0         | 22.58             | 0.181 | 22.62              | 0.183 | 22.46            | 0.176 |
| 20              | QPSK       | 50      | 24        | 22.58             | 0.181 | 22.33              | 0.171 | 22.49            | 0.177 |
| 20              | QPSK       | 50      | 50        | 22.44             | 0.175 | 22.40              | 0.174 | 22.52            | 0.179 |
| 20              | QPSK       | 100     | 0         | 22.46             | 0.176 | 22.44              | 0.175 | 22.47            | 0.177 |
| 20              | 16QAM      | 1       | 0         | 22.44             | 0.175 | 22.63              | 0.183 | 22.60            | 0.182 |
| 20              | 16QAM      | 1       | 49        | 22.52             | 0.179 | 22.57              | 0.181 | 22.52            | 0.179 |
| 20              | 16QAM      | 1       | 99        | 22.50             | 0.178 | 22.43              | 0.175 | 22.69            | 0.186 |
| 20              | 16QAM      | 50      | 0         | 21.51             | 0.142 | 21.61              | 0.145 | 21.56            | 0.143 |
| 20              | 16QAM      | 50      | 24        | 21.54             | 0.143 | 21.54              | 0.143 | 21.48            | 0.141 |
| 20              | 16QAM      | 50      | 50        | 21.53             | 0.142 | 21.45              | 0.140 | 21.66            | 0.147 |
| 20              | 16QAM      | 100     | 0         | 21.51             | 0.142 | 21.48              | 0.141 | 21.58            | 0.144 |
| 20              | 64QAM      | 1       | 0         | 21.57             | 0.144 | 21.71              | 0.148 | 21.74            | 0.149 |
| 20              | 64QAM      | 1       | 49        | 21.56             | 0.143 | 21.46              | 0.140 | 21.40            | 0.138 |
| 20              | 64QAM      | 1       | 99        | 21.44             | 0.139 | 21.64              | 0.146 | 21.36            | 0.137 |
| 20              | 64QAM      | 50      | 0         | 20.66             | 0.116 | 20.66              | 0.116 | 20.61            | 0.115 |
| 20              | 64QAM      | 50      | 24        | 20.52             | 0.113 | 20.42              | 0.110 | 20.65            | 0.116 |
| 20              | 64QAM      | 50      | 50        | 20.56             | 0.114 | 20.67              | 0.117 | 20.54            | 0.113 |
| 20              | 64QAM      | 100     | 0         | 20.53             | 0.113 | 20.49              | 0.112 | 20.56            | 0.114 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37825             |       | 38000              |       | 38175            |       |
| Frequency (MHz) |            |         |           | 2577.5            |       | 2595               |       | 2612.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 23.39             | 0.218 | 23.45              | 0.221 | 23.44            | 0.221 |
| 15              | QPSK       | 1       | 37        | 23.35             | 0.216 | 23.41              | 0.219 | 23.26            | 0.212 |
| 15              | QPSK       | 1       | 74        | 23.35             | 0.216 | 23.32              | 0.215 | 23.32            | 0.215 |
| 15              | QPSK       | 36      | 0         | 22.49             | 0.177 | 22.53              | 0.179 | 22.37            | 0.173 |
| 15              | QPSK       | 36      | 20        | 22.49             | 0.177 | 22.24              | 0.167 | 22.40            | 0.174 |
| 15              | QPSK       | 36      | 39        | 22.35             | 0.172 | 22.31              | 0.170 | 22.43            | 0.175 |
| 15              | QPSK       | 75      | 0         | 22.37             | 0.173 | 22.35              | 0.172 | 22.38            | 0.173 |
| 15              | 16QAM      | 1       | 0         | 22.35             | 0.172 | 22.54              | 0.179 | 22.51            | 0.178 |
| 15              | 16QAM      | 1       | 37        | 22.43             | 0.175 | 22.48              | 0.177 | 22.43            | 0.175 |
| 15              | 16QAM      | 1       | 74        | 22.41             | 0.174 | 22.34              | 0.171 | 22.60            | 0.182 |
| 15              | 16QAM      | 36      | 0         | 21.42             | 0.139 | 21.52              | 0.142 | 21.47            | 0.140 |
| 15              | 16QAM      | 36      | 20        | 21.45             | 0.140 | 21.45              | 0.140 | 21.39            | 0.138 |
| 15              | 16QAM      | 36      | 39        | 21.44             | 0.139 | 21.36              | 0.137 | 21.57            | 0.144 |
| 15              | 16QAM      | 75      | 0         | 21.42             | 0.139 | 21.39              | 0.138 | 21.49            | 0.141 |
| 15              | 64QAM      | 1       | 0         | 21.48             | 0.141 | 21.62              | 0.145 | 21.65            | 0.146 |
| 15              | 64QAM      | 1       | 37        | 21.47             | 0.140 | 21.37              | 0.137 | 21.31            | 0.135 |
| 15              | 64QAM      | 1       | 74        | 21.35             | 0.136 | 21.55              | 0.143 | 21.27            | 0.134 |
| 15              | 64QAM      | 36      | 0         | 20.57             | 0.114 | 20.57              | 0.114 | 20.52            | 0.113 |
| 15              | 64QAM      | 36      | 20        | 20.43             | 0.110 | 20.33              | 0.108 | 20.56            | 0.114 |
| 15              | 64QAM      | 36      | 39        | 20.47             | 0.111 | 20.58              | 0.114 | 20.45            | 0.111 |
| 15              | 64QAM      | 75      | 0         | 20.44             | 0.111 | 20.40              | 0.110 | 20.47            | 0.111 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37800             |       | 38000              |       | 38200            |       |
| Frequency (MHz) |            |         |           | 2575              |       | 2595               |       | 2615             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 23.30             | 0.214 | 23.36              | 0.217 | 23.35            | 0.216 |
| 10              | QPSK       | 1       | 25        | 23.26             | 0.212 | 23.32              | 0.215 | 23.17            | 0.207 |
| 10              | QPSK       | 1       | 49        | 23.26             | 0.212 | 23.23              | 0.210 | 23.23            | 0.210 |
| 10              | QPSK       | 25      | 0         | 22.40             | 0.174 | 22.44              | 0.175 | 22.28            | 0.169 |
| 10              | QPSK       | 25      | 12        | 22.40             | 0.174 | 22.15              | 0.164 | 22.31            | 0.170 |
| 10              | QPSK       | 25      | 25        | 22.26             | 0.168 | 22.22              | 0.167 | 22.34            | 0.171 |
| 10              | QPSK       | 50      | 0         | 22.28             | 0.169 | 22.26              | 0.168 | 22.29            | 0.169 |
| 10              | 16QAM      | 1       | 0         | 22.26             | 0.168 | 22.45              | 0.176 | 22.42            | 0.175 |
| 10              | 16QAM      | 1       | 25        | 22.34             | 0.171 | 22.39              | 0.173 | 22.34            | 0.171 |
| 10              | 16QAM      | 1       | 49        | 22.32             | 0.171 | 22.25              | 0.168 | 22.51            | 0.178 |
| 10              | 16QAM      | 25      | 0         | 21.33             | 0.136 | 21.43              | 0.139 | 21.38            | 0.137 |
| 10              | 16QAM      | 25      | 12        | 21.36             | 0.137 | 21.36              | 0.137 | 21.30            | 0.135 |
| 10              | 16QAM      | 25      | 25        | 21.35             | 0.136 | 21.27              | 0.134 | 21.48            | 0.141 |
| 10              | 16QAM      | 50      | 0         | 21.33             | 0.136 | 21.30              | 0.135 | 21.40            | 0.138 |
| 10              | 64QAM      | 1       | 0         | 21.39             | 0.138 | 21.53              | 0.142 | 21.56            | 0.143 |
| 10              | 64QAM      | 1       | 25        | 21.38             | 0.137 | 21.28              | 0.134 | 21.22            | 0.132 |
| 10              | 64QAM      | 1       | 49        | 21.26             | 0.134 | 21.46              | 0.140 | 21.18            | 0.131 |
| 10              | 64QAM      | 25      | 0         | 20.48             | 0.112 | 20.48              | 0.112 | 20.43            | 0.110 |
| 10              | 64QAM      | 25      | 12        | 20.34             | 0.108 | 20.24              | 0.106 | 20.47            | 0.111 |
| 10              | 64QAM      | 25      | 25        | 20.38             | 0.109 | 20.49              | 0.112 | 20.36            | 0.109 |
| 10              | 64QAM      | 50      | 0         | 20.35             | 0.108 | 20.31              | 0.107 | 20.38            | 0.109 |



| LTE Band 38     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 37775             |       | 38000              |       | 38225            |       |
| Frequency (MHz) |            |         |           | 2572.5            |       | 2595               |       | 2617.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 23.21             | 0.209 | 23.27              | 0.212 | 23.26            | 0.212 |
| 5               | QPSK       | 1       | 12        | 23.17             | 0.207 | 23.23              | 0.210 | 23.08            | 0.203 |
| 5               | QPSK       | 1       | 24        | 23.17             | 0.207 | 23.14              | 0.206 | 23.14            | 0.206 |
| 5               | QPSK       | 12      | 0         | 22.31             | 0.170 | 22.35              | 0.172 | 22.19            | 0.166 |
| 5               | QPSK       | 12      | 7         | 22.31             | 0.170 | 22.06              | 0.161 | 22.22            | 0.167 |
| 5               | QPSK       | 12      | 13        | 22.17             | 0.165 | 22.13              | 0.163 | 22.25            | 0.168 |
| 5               | QPSK       | 25      | 0         | 22.19             | 0.166 | 22.17              | 0.165 | 22.20            | 0.166 |
| 5               | 16QAM      | 1       | 0         | 22.17             | 0.165 | 22.36              | 0.172 | 22.33            | 0.171 |
| 5               | 16QAM      | 1       | 12        | 22.25             | 0.168 | 22.30              | 0.170 | 22.25            | 0.168 |
| 5               | 16QAM      | 1       | 24        | 22.23             | 0.167 | 22.16              | 0.164 | 22.42            | 0.175 |
| 5               | 16QAM      | 12      | 0         | 21.24             | 0.133 | 21.34              | 0.136 | 21.29            | 0.135 |
| 5               | 16QAM      | 12      | 7         | 21.27             | 0.134 | 21.27              | 0.134 | 21.21            | 0.132 |
| 5               | 16QAM      | 12      | 13        | 21.26             | 0.134 | 21.18              | 0.131 | 21.39            | 0.138 |
| 5               | 16QAM      | 25      | 0         | 21.24             | 0.133 | 21.21              | 0.132 | 21.31            | 0.135 |
| 5               | 64QAM      | 1       | 0         | 21.30             | 0.135 | 21.44              | 0.139 | 21.47            | 0.140 |
| 5               | 64QAM      | 1       | 12        | 21.29             | 0.135 | 21.19              | 0.132 | 21.13            | 0.130 |
| 5               | 64QAM      | 1       | 24        | 21.17             | 0.131 | 21.37              | 0.137 | 21.09            | 0.129 |
| 5               | 64QAM      | 12      | 0         | 20.39             | 0.109 | 20.39              | 0.109 | 20.34            | 0.108 |
| 5               | 64QAM      | 12      | 7         | 20.25             | 0.106 | 20.15              | 0.104 | 20.38            | 0.109 |
| 5               | 64QAM      | 12      | 13        | 20.29             | 0.107 | 20.40              | 0.110 | 20.27            | 0.106 |
| 5               | 64QAM      | 25      | 0         | 20.26             | 0.106 | 20.22              | 0.105 | 20.29            | 0.107 |



| LTE Band 40, Block A |            |            |              | 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              |            |            |              | /                  |   | 38750                 |       | /                   |   |
| Frequency (MHz)      |            |            |              | /                  |   | 2310                  |       | /                   |   |
|                      |            |            |              | dBm                | W | dBm                   | W     | dBm                 | W |
| 10                   | QPSK       | 1          | 0            | /                  | / | 24.40                 | 0.275 | /                   | / |
| 10                   | QPSK       | 1          | 25           | /                  | / | 24.29                 | 0.269 | /                   | / |
| 10                   | QPSK       | 1          | 49           | /                  | / | 24.18                 | 0.262 | /                   | / |
| 10                   | QPSK       | 25         | 0            | /                  | / | 23.45                 | 0.221 | /                   | / |
| 10                   | QPSK       | 25         | 12           | /                  | / | 23.40                 | 0.219 | /                   | / |
| 10                   | QPSK       | 25         | 25           | /                  | / | 23.30                 | 0.214 | /                   | / |
| 10                   | QPSK       | 50         | 0            | /                  | / | 23.28                 | 0.213 | /                   | / |
| 10                   | 16QAM      | 1          | 0            | /                  | / | 23.22                 | 0.210 | /                   | / |
| 10                   | 16QAM      | 1          | 25           | /                  | / | 23.12                 | 0.205 | /                   | / |
| 10                   | 16QAM      | 1          | 49           | /                  | / | 23.10                 | 0.204 | /                   | / |
| 10                   | 16QAM      | 25         | 0            | /                  | / | 22.50                 | 0.178 | /                   | / |
| 10                   | 16QAM      | 25         | 12           | /                  | / | 22.43                 | 0.175 | /                   | / |
| 10                   | 16QAM      | 25         | 25           | /                  | / | 22.42                 | 0.175 | /                   | / |
| 10                   | 16QAM      | 50         | 0            | /                  | / | 22.30                 | 0.170 | /                   | / |
| 10                   | 64QAM      | 1          | 0            | /                  | / | 22.50                 | 0.178 | /                   | / |
| 10                   | 64QAM      | 1          | 25           | /                  | / | 22.46                 | 0.176 | /                   | / |
| 10                   | 64QAM      | 1          | 49           | /                  | / | 22.43                 | 0.175 | /                   | / |
| 10                   | 64QAM      | 25         | 0            | /                  | / | 21.66                 | 0.147 | /                   | / |
| 10                   | 64QAM      | 25         | 12           | /                  | / | 21.55                 | 0.143 | /                   | / |
| 10                   | 64QAM      | 25         | 25           | /                  | / | 21.35                 | 0.136 | /                   | / |
| 10                   | 64QAM      | 50         | 0            | /                  | / | 21.43                 | 0.139 | /                   | / |



| LTE Band 40, Block A |            |            |              | 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              |            |            |              | 38725              |       | 38750                 |       | 38775               |       |
| Frequency (MHz)      |            |            |              | 2307.5             |       | 2310                  |       | 2312.5              |       |
|                      |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5                    | QPSK       | 1          | 0            | 23.95              | 0.248 | 23.97                 | 0.249 | 23.95               | 0.248 |
| 5                    | QPSK       | 1          | 12           | 23.91              | 0.246 | 23.84                 | 0.242 | 23.93               | 0.247 |
| 5                    | QPSK       | 1          | 24           | 23.94              | 0.248 | 23.90                 | 0.245 | 23.84               | 0.242 |
| 5                    | QPSK       | 12         | 0            | 22.96              | 0.198 | 23.09                 | 0.204 | 23.00               | 0.200 |
| 5                    | QPSK       | 12         | 7            | 23.10              | 0.204 | 22.99                 | 0.199 | 23.07               | 0.203 |
| 5                    | QPSK       | 12         | 13           | 23.01              | 0.200 | 22.98                 | 0.199 | 23.08               | 0.203 |
| 5                    | QPSK       | 25         | 0            | 23.06              | 0.202 | 23.02                 | 0.200 | 23.05               | 0.202 |
| 5                    | 16QAM      | 1          | 0            | 23.28              | 0.213 | 23.27                 | 0.212 | 23.31               | 0.214 |
| 5                    | 16QAM      | 1          | 12           | 23.13              | 0.206 | 23.31                 | 0.214 | 23.02               | 0.200 |
| 5                    | 16QAM      | 1          | 24           | 23.05              | 0.202 | 23.20                 | 0.209 | 23.23               | 0.210 |
| 5                    | 16QAM      | 12         | 0            | 22.12              | 0.163 | 22.19                 | 0.166 | 22.26               | 0.168 |
| 5                    | 16QAM      | 12         | 7            | 22.05              | 0.160 | 22.08                 | 0.161 | 22.08               | 0.161 |
| 5                    | 16QAM      | 12         | 13           | 21.94              | 0.156 | 22.06                 | 0.161 | 22.10               | 0.162 |
| 5                    | 16QAM      | 25         | 0            | 22.17              | 0.165 | 22.05                 | 0.160 | 22.16               | 0.164 |
| 5                    | 64QAM      | 1          | 0            | 21.92              | 0.156 | 22.18                 | 0.165 | 22.13               | 0.163 |
| 5                    | 64QAM      | 1          | 12           | 22.11              | 0.163 | 22.28                 | 0.169 | 22.07               | 0.161 |
| 5                    | 64QAM      | 1          | 24           | 21.96              | 0.157 | 22.12                 | 0.163 | 22.00               | 0.158 |
| 5                    | 64QAM      | 12         | 0            | 21.28              | 0.134 | 21.09                 | 0.129 | 21.20               | 0.132 |
| 5                    | 64QAM      | 12         | 7            | 21.18              | 0.131 | 21.15                 | 0.130 | 21.19               | 0.132 |
| 5                    | 64QAM      | 12         | 13           | 21.17              | 0.131 | 21.30                 | 0.135 | 21.05               | 0.127 |
| 5                    | 64QAM      | 25         | 0            | 21.08              | 0.128 | 21.18                 | 0.131 | 21.14               | 0.130 |



| LTE Band 40, Block B |            |            |              | 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              |            |            |              | /                  |   | 39200                 |       | /                   |   |
| Frequency (MHz)      |            |            |              | /                  |   | 2355                  |       | /                   |   |
|                      |            |            |              | dBm                | W | dBm                   | W     | dBm                 | W |
| 10                   | QPSK       | 1          | 0            | /                  | / | 24.37                 | 0.274 | /                   | / |
| 10                   | QPSK       | 1          | 25           | /                  | / | 24.16                 | 0.261 | /                   | / |
| 10                   | QPSK       | 1          | 49           | /                  | / | 24.02                 | 0.252 | /                   | / |
| 10                   | QPSK       | 25         | 0            | /                  | / | 23.25                 | 0.211 | /                   | / |
| 10                   | QPSK       | 25         | 12           | /                  | / | 23.21                 | 0.209 | /                   | / |
| 10                   | QPSK       | 25         | 25           | /                  | / | 23.15                 | 0.207 | /                   | / |
| 10                   | QPSK       | 50         | 0            | /                  | / | 23.18                 | 0.208 | /                   | / |
| 10                   | 16QAM      | 1          | 0            | /                  | / | 23.15                 | 0.207 | /                   | / |
| 10                   | 16QAM      | 1          | 25           | /                  | / | 23.00                 | 0.200 | /                   | / |
| 10                   | 16QAM      | 1          | 49           | /                  | / | 22.91                 | 0.195 | /                   | / |
| 10                   | 16QAM      | 25         | 0            | /                  | / | 22.36                 | 0.172 | /                   | / |
| 10                   | 16QAM      | 25         | 12           | /                  | / | 22.23                 | 0.167 | /                   | / |
| 10                   | 16QAM      | 25         | 25           | /                  | / | 22.18                 | 0.165 | /                   | / |
| 10                   | 16QAM      | 50         | 0            | /                  | / | 22.22                 | 0.167 | /                   | / |
| 10                   | 64QAM      | 1          | 0            | /                  | / | 22.13                 | 0.163 | /                   | / |
| 10                   | 64QAM      | 1          | 25           | /                  | / | 22.30                 | 0.170 | /                   | / |
| 10                   | 64QAM      | 1          | 49           | /                  | / | 22.19                 | 0.166 | /                   | / |
| 10                   | 64QAM      | 25         | 0            | /                  | / | 21.75                 | 0.150 | /                   | / |
| 10                   | 64QAM      | 25         | 12           | /                  | / | 21.30                 | 0.135 | /                   | / |
| 10                   | 64QAM      | 25         | 25           | /                  | / | 21.16                 | 0.131 | /                   | / |
| 10                   | 64QAM      | 50         | 0            | /                  | / | 21.00                 | 0.126 | /                   | / |



| LTE Band 40, Block B |            |            |              | 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              |            |            |              | 39175              |       | 39200                 |       | 39225               |       |
| Frequency (MHz)      |            |            |              | 2352.5             |       | 2355                  |       | 2357.5              |       |
|                      |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5                    | QPSK       | 1          | 0            | 23.84              | 0.242 | 23.93                 | 0.247 | 23.89               | 0.245 |
| 5                    | QPSK       | 1          | 12           | 23.87              | 0.244 | 23.91                 | 0.246 | 23.87               | 0.244 |
| 5                    | QPSK       | 1          | 24           | 23.84              | 0.242 | 23.88                 | 0.244 | 23.84               | 0.242 |
| 5                    | QPSK       | 12         | 0            | 23.07              | 0.203 | 22.99                 | 0.199 | 22.85               | 0.193 |
| 5                    | QPSK       | 12         | 7            | 23.02              | 0.200 | 22.85                 | 0.193 | 22.95               | 0.197 |
| 5                    | QPSK       | 12         | 13           | 23.17              | 0.207 | 23.15                 | 0.207 | 22.95               | 0.197 |
| 5                    | QPSK       | 25         | 0            | 22.89              | 0.195 | 22.89                 | 0.195 | 22.85               | 0.193 |
| 5                    | 16QAM      | 1          | 0            | 22.98              | 0.199 | 23.14                 | 0.206 | 23.02               | 0.200 |
| 5                    | 16QAM      | 1          | 12           | 22.85              | 0.193 | 22.87                 | 0.194 | 22.94               | 0.197 |
| 5                    | 16QAM      | 1          | 24           | 22.89              | 0.195 | 22.98                 | 0.199 | 22.86               | 0.193 |
| 5                    | 16QAM      | 12         | 0            | 21.84              | 0.153 | 22.11                 | 0.163 | 22.05               | 0.160 |
| 5                    | 16QAM      | 12         | 7            | 21.88              | 0.154 | 21.86                 | 0.153 | 21.86               | 0.153 |
| 5                    | 16QAM      | 12         | 13           | 22.05              | 0.160 | 21.86                 | 0.153 | 22.04               | 0.160 |
| 5                    | 16QAM      | 25         | 0            | 21.83              | 0.152 | 21.86                 | 0.153 | 22.08               | 0.161 |
| 5                    | 64QAM      | 1          | 0            | 22.00              | 0.158 | 22.12                 | 0.163 | 22.05               | 0.160 |
| 5                    | 64QAM      | 1          | 12           | 22.00              | 0.158 | 21.94                 | 0.156 | 22.00               | 0.158 |
| 5                    | 64QAM      | 1          | 24           | 21.88              | 0.154 | 22.01                 | 0.159 | 21.93               | 0.156 |
| 5                    | 64QAM      | 12         | 0            | 21.14              | 0.130 | 21.15                 | 0.130 | 21.18               | 0.131 |
| 5                    | 64QAM      | 12         | 7            | 20.94              | 0.124 | 21.02                 | 0.126 | 20.87               | 0.122 |
| 5                    | 64QAM      | 12         | 13           | 21.00              | 0.126 | 20.95                 | 0.124 | 20.93               | 0.124 |
| 5                    | 64QAM      | 25         | 0            | 20.97              | 0.125 | 21.04                 | 0.127 | 21.04               | 0.127 |



| LTE Band 41     |            |            |              | 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            | 23.80              | 0.240 | 23.94                 | 0.248 | 23.71               | 0.235 |
| 20              | QPSK       | 1          | 49           | 23.53              | 0.225 | 23.62                 | 0.230 | 23.62               | 0.230 |
| 20              | QPSK       | 1          | 99           | 23.55              | 0.226 | 23.48                 | 0.223 | 23.67               | 0.233 |
| 20              | QPSK       | 50         | 0            | 22.87              | 0.194 | 22.60                 | 0.182 | 22.82               | 0.191 |
| 20              | QPSK       | 50         | 24           | 22.52              | 0.179 | 22.63                 | 0.183 | 22.64               | 0.184 |
| 20              | QPSK       | 50         | 50           | 22.82              | 0.191 | 22.82                 | 0.191 | 22.96               | 0.198 |
| 20              | QPSK       | 100        | 0            | 22.49              | 0.177 | 22.64                 | 0.184 | 22.62               | 0.183 |
| 20              | 16QAM      | 1          | 0            | 22.89              | 0.195 | 22.83                 | 0.192 | 22.92               | 0.196 |
| 20              | 16QAM      | 1          | 49           | 22.77              | 0.189 | 22.94                 | 0.197 | 22.85               | 0.193 |
| 20              | 16QAM      | 1          | 99           | 22.54              | 0.179 | 22.68                 | 0.185 | 22.87               | 0.194 |
| 20              | 16QAM      | 50         | 0            | 21.75              | 0.150 | 21.74                 | 0.149 | 21.93               | 0.156 |
| 20              | 16QAM      | 50         | 24           | 21.69              | 0.148 | 21.65                 | 0.146 | 22.02               | 0.159 |
| 20              | 16QAM      | 50         | 50           | 21.56              | 0.143 | 21.57                 | 0.144 | 21.66               | 0.147 |
| 20              | 16QAM      | 100        | 0            | 21.53              | 0.142 | 21.65                 | 0.146 | 21.77               | 0.150 |
| 20              | 64QAM      | 1          | 0            | 21.75              | 0.150 | 21.73                 | 0.149 | 21.88               | 0.154 |
| 20              | 64QAM      | 1          | 49           | 21.92              | 0.156 | 21.86                 | 0.153 | 21.78               | 0.151 |
| 20              | 64QAM      | 1          | 99           | 21.64              | 0.146 | 21.52                 | 0.142 | 21.59               | 0.144 |
| 20              | 64QAM      | 50         | 0            | 20.94              | 0.124 | 20.84                 | 0.121 | 20.94               | 0.124 |
| 20              | 64QAM      | 50         | 24           | 20.89              | 0.123 | 20.62                 | 0.115 | 20.66               | 0.116 |
| 20              | 64QAM      | 50         | 50           | 20.94              | 0.124 | 20.85                 | 0.122 | 20.90               | 0.123 |
| 20              | 64QAM      | 100        | 0            | 20.58              | 0.114 | 20.74                 | 0.119 | 20.60               | 0.115 |



| LTE Band 41     |            |            |              | 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            | 23.70              | 0.234 | 23.84                 | 0.242 | 23.61               | 0.230 |
| 15              | QPSK       | 1          | 37           | 23.43              | 0.220 | 23.52                 | 0.225 | 23.52               | 0.225 |
| 15              | QPSK       | 1          | 74           | 23.45              | 0.221 | 23.38                 | 0.218 | 23.57               | 0.228 |
| 15              | QPSK       | 36         | 0            | 22.77              | 0.189 | 22.50                 | 0.178 | 22.72               | 0.187 |
| 15              | QPSK       | 36         | 20           | 22.42              | 0.175 | 22.53                 | 0.179 | 22.54               | 0.179 |
| 15              | QPSK       | 36         | 39           | 22.72              | 0.187 | 22.72                 | 0.187 | 22.86               | 0.193 |
| 15              | QPSK       | 75         | 0            | 22.39              | 0.173 | 22.54                 | 0.179 | 22.52               | 0.179 |
| 15              | 16QAM      | 1          | 0            | 22.79              | 0.190 | 22.73                 | 0.187 | 22.82               | 0.191 |
| 15              | 16QAM      | 1          | 37           | 22.67              | 0.185 | 22.84                 | 0.192 | 22.75               | 0.188 |
| 15              | 16QAM      | 1          | 74           | 22.44              | 0.175 | 22.58                 | 0.181 | 22.77               | 0.189 |
| 15              | 16QAM      | 36         | 0            | 21.65              | 0.146 | 21.64                 | 0.146 | 21.83               | 0.152 |
| 15              | 16QAM      | 36         | 20           | 21.59              | 0.144 | 21.55                 | 0.143 | 21.92               | 0.156 |
| 15              | 16QAM      | 36         | 39           | 21.46              | 0.140 | 21.47                 | 0.140 | 21.56               | 0.143 |
| 15              | 16QAM      | 75         | 0            | 21.43              | 0.139 | 21.55                 | 0.143 | 21.67               | 0.147 |
| 15              | 64QAM      | 1          | 0            | 21.65              | 0.146 | 21.63                 | 0.146 | 21.78               | 0.151 |
| 15              | 64QAM      | 1          | 37           | 21.82              | 0.152 | 21.76                 | 0.150 | 21.68               | 0.147 |
| 15              | 64QAM      | 1          | 74           | 21.54              | 0.143 | 21.42                 | 0.139 | 21.49               | 0.141 |
| 15              | 64QAM      | 36         | 0            | 20.84              | 0.121 | 20.74                 | 0.119 | 20.84               | 0.121 |
| 15              | 64QAM      | 36         | 20           | 20.79              | 0.120 | 20.52                 | 0.113 | 20.56               | 0.114 |
| 15              | 64QAM      | 36         | 39           | 20.84              | 0.121 | 20.75                 | 0.119 | 20.80               | 0.120 |
| 15              | 64QAM      | 75         | 0            | 20.48              | 0.112 | 20.64                 | 0.116 | 20.50               | 0.112 |



| LTE Band 41     |            |            |              | 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            | 23.61              | 0.230 | 23.75                 | 0.237 | 23.52               | 0.225 |
| 10              | QPSK       | 1          | 25           | 23.34              | 0.216 | 23.43                 | 0.220 | 23.43               | 0.220 |
| 10              | QPSK       | 1          | 49           | 23.36              | 0.217 | 23.29                 | 0.213 | 23.48               | 0.223 |
| 10              | QPSK       | 25         | 0            | 22.68              | 0.185 | 22.41                 | 0.174 | 22.63               | 0.183 |
| 10              | QPSK       | 25         | 12           | 22.33              | 0.171 | 22.44                 | 0.175 | 22.45               | 0.176 |
| 10              | QPSK       | 25         | 25           | 22.63              | 0.183 | 22.63                 | 0.183 | 22.77               | 0.189 |
| 10              | QPSK       | 50         | 0            | 22.30              | 0.170 | 22.45                 | 0.176 | 22.43               | 0.175 |
| 10              | 16QAM      | 1          | 0            | 22.70              | 0.186 | 22.64                 | 0.184 | 22.73               | 0.187 |
| 10              | 16QAM      | 1          | 25           | 22.58              | 0.181 | 22.75                 | 0.188 | 22.66               | 0.185 |
| 10              | 16QAM      | 1          | 49           | 22.35              | 0.172 | 22.49                 | 0.177 | 22.68               | 0.185 |
| 10              | 16QAM      | 25         | 0            | 21.56              | 0.143 | 21.55                 | 0.143 | 21.74               | 0.149 |
| 10              | 16QAM      | 25         | 12           | 21.50              | 0.141 | 21.46                 | 0.140 | 21.83               | 0.152 |
| 10              | 16QAM      | 25         | 25           | 21.37              | 0.137 | 21.38                 | 0.137 | 21.47               | 0.140 |
| 10              | 16QAM      | 50         | 0            | 21.34              | 0.136 | 21.46                 | 0.140 | 21.58               | 0.144 |
| 10              | 64QAM      | 1          | 0            | 21.56              | 0.143 | 21.54                 | 0.143 | 21.69               | 0.148 |
| 10              | 64QAM      | 1          | 25           | 21.73              | 0.149 | 21.67                 | 0.147 | 21.59               | 0.144 |
| 10              | 64QAM      | 1          | 49           | 21.45              | 0.140 | 21.33                 | 0.136 | 21.40               | 0.138 |
| 10              | 64QAM      | 25         | 0            | 20.75              | 0.119 | 20.65                 | 0.116 | 20.75               | 0.119 |
| 10              | 64QAM      | 25         | 12           | 20.70              | 0.117 | 20.43                 | 0.110 | 20.47               | 0.111 |
| 10              | 64QAM      | 25         | 25           | 20.75              | 0.119 | 20.66                 | 0.116 | 20.71               | 0.118 |
| 10              | 64QAM      | 50         | 0            | 20.39              | 0.109 | 20.55                 | 0.114 | 20.41               | 0.110 |



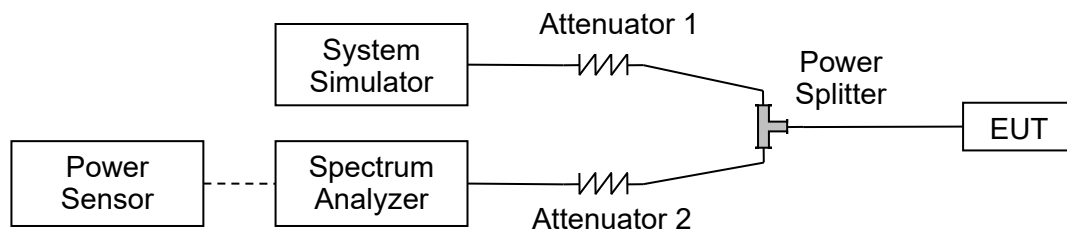
| LTE Band 41     |            |            |              | Measured E.I.R.P.  |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| 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            | 23.53              | 0.225 | 23.67                 | 0.233 | 23.44               | 0.221 |
| 5               | QPSK       | 1          | 12           | 23.26              | 0.212 | 23.35                 | 0.216 | 23.35               | 0.216 |
| 5               | QPSK       | 1          | 24           | 23.28              | 0.213 | 23.21                 | 0.209 | 23.40               | 0.219 |
| 5               | QPSK       | 12         | 0            | 22.60              | 0.182 | 22.33                 | 0.171 | 22.55               | 0.180 |
| 5               | QPSK       | 12         | 7            | 22.25              | 0.168 | 22.36                 | 0.172 | 22.37               | 0.173 |
| 5               | QPSK       | 12         | 13           | 22.55              | 0.180 | 22.55                 | 0.180 | 22.69               | 0.186 |
| 5               | QPSK       | 25         | 0            | 22.22              | 0.167 | 22.37                 | 0.173 | 22.35               | 0.172 |
| 5               | 16QAM      | 1          | 0            | 22.62              | 0.183 | 22.56                 | 0.180 | 22.65               | 0.184 |
| 5               | 16QAM      | 1          | 12           | 22.50              | 0.178 | 22.67                 | 0.185 | 22.58               | 0.181 |
| 5               | 16QAM      | 1          | 24           | 22.27              | 0.169 | 22.41                 | 0.174 | 22.60               | 0.182 |
| 5               | 16QAM      | 12         | 0            | 21.48              | 0.141 | 21.47                 | 0.140 | 21.66               | 0.147 |
| 5               | 16QAM      | 12         | 7            | 21.42              | 0.139 | 21.38                 | 0.137 | 21.75               | 0.150 |
| 5               | 16QAM      | 12         | 13           | 21.29              | 0.135 | 21.30                 | 0.135 | 21.39               | 0.138 |
| 5               | 16QAM      | 25         | 0            | 21.26              | 0.134 | 21.38                 | 0.137 | 21.50               | 0.141 |
| 5               | 64QAM      | 1          | 0            | 21.48              | 0.141 | 21.46                 | 0.140 | 21.61               | 0.145 |
| 5               | 64QAM      | 1          | 12           | 21.65              | 0.146 | 21.59                 | 0.144 | 21.51               | 0.142 |
| 5               | 64QAM      | 1          | 24           | 21.37              | 0.137 | 21.25                 | 0.133 | 21.32               | 0.136 |
| 5               | 64QAM      | 12         | 0            | 20.67              | 0.117 | 20.57                 | 0.114 | 20.67               | 0.117 |
| 5               | 64QAM      | 12         | 7            | 20.62              | 0.115 | 20.35                 | 0.108 | 20.39               | 0.109 |
| 5               | 64QAM      | 12         | 13           | 20.67              | 0.117 | 20.58                 | 0.114 | 20.63               | 0.116 |
| 5               | 64QAM      | 25         | 0            | 20.31              | 0.107 | 20.47                 | 0.111 | 20.33               | 0.108 |

## 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       | 1.09        | 1.29         |
|            | Low           | 16QAM      | 1.10        | 1.30         |
|            | Low           | 64QAM      | 1.10        | 1.30         |
|            | Mid           | QPSK       | 1.09        | 1.27         |
|            | Mid           | 16QAM      | 1.10        | 1.29         |
|            | Mid           | 64QAM      | 1.10        | 1.30         |
|            | High          | QPSK       | 1.09        | 1.28         |
|            | High          | 16QAM      | 1.10        | 1.31         |
|            | High          | 64QAM      | 1.10        | 1.29         |
| 3          | Low           | QPSK       | 2.69        | 2.90         |
|            | Low           | 16QAM      | 2.69        | 2.93         |
|            | Low           | 64QAM      | 2.70        | 2.92         |
|            | Mid           | QPSK       | 2.69        | 2.91         |
|            | Mid           | 16QAM      | 2.69        | 2.93         |
|            | Mid           | 64QAM      | 2.69        | 2.92         |
|            | High          | QPSK       | 2.69        | 2.92         |
|            | High          | 16QAM      | 2.70        | 2.93         |
|            | High          | 64QAM      | 2.70        | 2.91         |
| 5          | Low           | QPSK       | 4.49        | 4.92         |
|            | Low           | 16QAM      | 4.50        | 5.16         |
|            | Low           | 64QAM      | 4.50        | 4.92         |
|            | Mid           | QPSK       | 4.50        | 5.21         |
|            | Mid           | 16QAM      | 4.50        | 4.96         |
|            | Mid           | 64QAM      | 4.50        | 4.91         |
|            | High          | QPSK       | 4.50        | 4.94         |
|            | High          | 16QAM      | 4.51        | 4.96         |
|            | High          | 64QAM      | 4.50        | 4.97         |
| 10         | Low           | QPSK       | 9.00        | 9.78         |
|            | Low           | 16QAM      | 8.97        | 9.68         |
|            | Low           | 64QAM      | 8.98        | 9.79         |
|            | Mid           | QPSK       | 9.01        | 9.72         |
|            | Mid           | 16QAM      | 8.98        | 9.93         |
|            | Mid           | 64QAM      | 8.99        | 9.76         |
|            | High          | QPSK       | 9.01        | 9.70         |
|            | High          | 16QAM      | 8.99        | 9.71         |
|            | High          | 64QAM      | 9.00        | 9.79         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.48 | 14.62 |
|    | Low  | 16QAM | 13.47 | 14.69 |
|    | Low  | 64QAM | 13.46 | 14.69 |
|    | Mid  | QPSK  | 13.50 | 14.54 |
|    | Mid  | 16QAM | 13.50 | 14.60 |
|    | Mid  | 64QAM | 13.46 | 14.68 |
|    | High | QPSK  | 13.48 | 14.60 |
|    | High | 16QAM | 13.48 | 14.54 |
|    | High | 64QAM | 13.49 | 14.53 |
| 20 | Low  | QPSK  | 17.96 | 19.42 |
|    | Low  | 16QAM | 17.96 | 19.45 |
|    | Low  | 64QAM | 17.99 | 19.38 |
|    | Mid  | QPSK  | 18.02 | 19.42 |
|    | Mid  | 16QAM | 18.00 | 19.40 |
|    | Mid  | 64QAM | 18.00 | 19.56 |
|    | High | QPSK  | 17.97 | 19.40 |
|    | High | 16QAM | 17.96 | 20.21 |
|    | High | 64QAM | 17.99 | 19.43 |



| LTE Band 4 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.10        | 1.27         |
|            | Low           | 16QAM      | 1.10        | 1.30         |
|            | Low           | 64QAM      | 1.10        | 1.29         |
|            | Mid           | QPSK       | 1.09        | 1.26         |
|            | Mid           | 16QAM      | 1.10        | 1.30         |
|            | Mid           | 64QAM      | 1.10        | 1.27         |
|            | High          | QPSK       | 1.10        | 1.27         |
|            | High          | 16QAM      | 1.10        | 1.30         |
|            | High          | 64QAM      | 1.10        | 1.30         |
| 3          | Low           | QPSK       | 2.69        | 2.92         |
|            | Low           | 16QAM      | 2.70        | 2.93         |
|            | Low           | 64QAM      | 2.70        | 2.92         |
|            | Mid           | QPSK       | 2.69        | 2.93         |
|            | Mid           | 16QAM      | 2.69        | 2.92         |
|            | Mid           | 64QAM      | 2.70        | 2.92         |
|            | High          | QPSK       | 2.69        | 2.92         |
|            | High          | 16QAM      | 2.69        | 2.92         |
|            | High          | 64QAM      | 2.70        | 2.92         |
| 5          | Low           | QPSK       | 4.49        | 4.91         |
|            | Low           | 16QAM      | 4.49        | 4.91         |
|            | Low           | 64QAM      | 4.51        | 4.92         |
|            | Mid           | QPSK       | 4.50        | 4.93         |
|            | Mid           | 16QAM      | 4.51        | 4.94         |
|            | Mid           | 64QAM      | 4.50        | 4.92         |
|            | High          | QPSK       | 4.50        | 4.94         |
|            | High          | 16QAM      | 4.51        | 4.94         |
|            | High          | 64QAM      | 4.50        | 4.93         |
| 10         | Low           | QPSK       | 9.01        | 9.72         |
|            | Low           | 16QAM      | 8.98        | 9.69         |
|            | Low           | 64QAM      | 8.98        | 9.79         |
|            | Mid           | QPSK       | 8.98        | 9.75         |
|            | Mid           | 16QAM      | 8.96        | 9.74         |
|            | Mid           | 64QAM      | 8.98        | 9.80         |
|            | High          | QPSK       | 9.00        | 9.90         |
|            | High          | 16QAM      | 8.98        | 9.70         |
|            | High          | 64QAM      | 8.99        | 9.77         |



|    |      |       |       |       |
|----|------|-------|-------|-------|
| 15 | Low  | QPSK  | 13.47 | 14.58 |
|    | Low  | 16QAM | 13.48 | 14.61 |
|    | Low  | 64QAM | 13.46 | 14.66 |
|    | Mid  | QPSK  | 13.53 | 14.59 |
|    | Mid  | 16QAM | 13.48 | 14.60 |
|    | Mid  | 64QAM | 13.45 | 14.59 |
|    | High | QPSK  | 13.49 | 14.55 |
|    | High | 16QAM | 13.51 | 14.62 |
|    | High | 64QAM | 13.47 | 14.59 |
| 20 | Low  | QPSK  | 17.97 | 19.46 |
|    | Low  | 16QAM | 18.04 | 19.47 |
|    | Low  | 64QAM | 17.99 | 19.47 |
|    | Mid  | QPSK  | 17.98 | 19.37 |
|    | Mid  | 16QAM | 18.03 | 19.36 |
|    | Mid  | 64QAM | 18.00 | 19.52 |
|    | High | QPSK  | 18.02 | 19.48 |
|    | High | 16QAM | 18.00 | 19.50 |
|    | High | 64QAM | 18.01 | 19.37 |

| LTE Band 5 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4        | Low           | QPSK       | 1.09        | 1.27         |
|            | Low           | 16QAM      | 1.10        | 1.28         |
|            | Low           | 64QAM      | 1.10        | 1.28         |
|            | Mid           | QPSK       | 1.10        | 1.28         |
|            | Mid           | 16QAM      | 1.10        | 1.30         |
|            | Mid           | 64QAM      | 1.10        | 1.30         |
|            | High          | QPSK       | 1.10        | 1.28         |
|            | High          | 16QAM      | 1.10        | 1.29         |
|            | High          | 64QAM      | 1.10        | 1.29         |
| 3          | Low           | QPSK       | 2.69        | 2.91         |
|            | Low           | 16QAM      | 2.70        | 3.03         |
|            | Low           | 64QAM      | 2.70        | 3.36         |
|            | Mid           | QPSK       | 2.69        | 3.29         |
|            | Mid           | 16QAM      | 2.69        | 3.12         |
|            | Mid           | 64QAM      | 2.69        | 2.92         |
|            | High          | QPSK       | 2.69        | 2.91         |
|            | High          | 16QAM      | 2.69        | 2.92         |
|            | High          | 64QAM      | 2.69        | 2.92         |
| 5          | Low           | QPSK       | 4.50        | 4.95         |
|            | Low           | 16QAM      | 4.50        | 4.96         |
|            | Low           | 64QAM      | 4.50        | 4.91         |
|            | Mid           | QPSK       | 4.50        | 5.00         |
|            | Mid           | 16QAM      | 4.49        | 4.94         |
|            | Mid           | 64QAM      | 4.50        | 4.94         |
|            | High          | QPSK       | 4.51        | 4.98         |
|            | High          | 16QAM      | 4.51        | 5.96         |
|            | High          | 64QAM      | 4.51        | 4.91         |
| 10         | Low           | QPSK       | 9.01        | 10.35        |
|            | Low           | 16QAM      | 8.96        | 9.68         |
|            | Low           | 64QAM      | 8.97        | 9.72         |
|            | Mid           | QPSK       | 8.99        | 10.03        |
|            | Mid           | 16QAM      | 8.96        | 9.70         |
|            | Mid           | 64QAM      | 8.99        | 9.77         |
|            | High          | QPSK       | 9.00        | 9.75         |
|            | High          | 16QAM      | 8.97        | 9.72         |
|            | High          | 64QAM      | 8.99        | 9.78         |



| LTE Band 7 |               |            |             |              |
|------------|---------------|------------|-------------|--------------|
| BW(MHz)    | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5          | Low           | QPSK       | 4.50        | 4.93         |
|            | Low           | 16QAM      | 4.49        | 4.92         |
|            | Low           | 64QAM      | 4.51        | 4.91         |
|            | Mid           | QPSK       | 4.50        | 4.93         |
|            | Mid           | 16QAM      | 4.50        | 4.99         |
|            | Mid           | 64QAM      | 4.51        | 4.88         |
|            | High          | QPSK       | 4.49        | 4.95         |
|            | High          | 16QAM      | 4.50        | 4.91         |
|            | High          | 64QAM      | 4.50        | 4.95         |
| 10         | Low           | QPSK       | 8.98        | 9.73         |
|            | Low           | 16QAM      | 8.97        | 9.72         |
|            | Low           | 64QAM      | 8.98        | 9.80         |
|            | Mid           | QPSK       | 9.01        | 9.75         |
|            | Mid           | 16QAM      | 8.98        | 9.88         |
|            | Mid           | 64QAM      | 8.98        | 9.75         |
|            | High          | QPSK       | 9.01        | 9.71         |
|            | High          | 16QAM      | 8.97        | 9.66         |
|            | High          | 64QAM      | 8.98        | 9.68         |
| 15         | Low           | QPSK       | 13.49       | 14.92        |
|            | Low           | 16QAM      | 13.47       | 14.73        |
|            | Low           | 64QAM      | 13.45       | 14.58        |
|            | Mid           | QPSK       | 13.49       | 15.47        |
|            | Mid           | 16QAM      | 13.48       | 14.80        |
|            | Mid           | 64QAM      | 13.47       | 14.61        |
|            | High          | QPSK       | 13.45       | 14.53        |
|            | High          | 16QAM      | 13.46       | 14.65        |
|            | High          | 64QAM      | 13.43       | 14.67        |
| 20         | Low           | QPSK       | 17.96       | 19.80        |
|            | Low           | 16QAM      | 18.00       | 19.60        |
|            | Low           | 64QAM      | 17.96       | 19.38        |
|            | Mid           | QPSK       | 17.99       | 19.48        |
|            | Mid           | 16QAM      | 18.03       | 19.42        |
|            | Mid           | 64QAM      | 18.03       | 19.45        |
|            | High          | QPSK       | 17.94       | 19.35        |
|            | High          | 16QAM      | 17.98       | 19.41        |
|            | High          | 64QAM      | 17.97       | 19.52        |



| LTE Band 12 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 1.4         | Low           | QPSK       | 1.09        | 1.27         |
|             | Low           | 16QAM      | 1.10        | 1.30         |
|             | Low           | 64QAM      | 1.10        | 1.30         |
|             | Mid           | QPSK       | 1.09        | 1.27         |
|             | Mid           | 16QAM      | 1.09        | 1.31         |
|             | Mid           | 64QAM      | 1.10        | 1.30         |
|             | High          | QPSK       | 1.09        | 1.28         |
|             | High          | 16QAM      | 1.10        | 1.29         |
|             | High          | 64QAM      | 1.10        | 1.31         |
| 3           | Low           | QPSK       | 2.69        | 2.92         |
|             | Low           | 16QAM      | 2.69        | 2.93         |
|             | Low           | 64QAM      | 2.70        | 2.92         |
|             | Mid           | QPSK       | 2.69        | 2.91         |
|             | Mid           | 16QAM      | 2.69        | 2.94         |
|             | Mid           | 64QAM      | 2.70        | 2.92         |
|             | High          | QPSK       | 2.69        | 2.91         |
|             | High          | 16QAM      | 2.69        | 2.92         |
|             | High          | 64QAM      | 2.70        | 2.92         |
| 5           | Low           | QPSK       | 4.52        | 5.16         |
|             | Low           | 16QAM      | 4.53        | 5.43         |
|             | Low           | 64QAM      | 4.52        | 5.13         |
|             | Mid           | QPSK       | 4.51        | 5.18         |
|             | Mid           | 16QAM      | 4.52        | 5.15         |
|             | Mid           | 64QAM      | 4.52        | 5.13         |
|             | High          | QPSK       | 4.52        | 5.15         |
|             | High          | 16QAM      | 4.51        | 5.17         |
|             | High          | 64QAM      | 4.54        | 5.09         |
| 10          | Low           | QPSK       | 9.02        | 10.20        |
|             | Low           | 16QAM      | 9.00        | 9.96         |
|             | Low           | 64QAM      | 9.03        | 10.11        |
|             | Mid           | QPSK       | 9.03        | 10.60        |
|             | Mid           | 16QAM      | 8.98        | 10.39        |
|             | Mid           | 64QAM      | 9.01        | 10.07        |
|             | High          | QPSK       | 8.98        | 9.96         |
|             | High          | 16QAM      | 8.96        | 9.91         |
|             | High          | 64QAM      | 9.00        | 9.99         |



| LTE Band 17 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.51        | 5.19         |
|             | Low           | 16QAM      | 4.52        | 5.17         |
|             | Low           | 64QAM      | 4.52        | 5.15         |
|             | Mid           | QPSK       | 4.50        | 5.12         |
|             | Mid           | 16QAM      | 4.51        | 5.04         |
|             | Mid           | 64QAM      | 4.51        | 5.08         |
|             | High          | QPSK       | 4.52        | 5.18         |
|             | High          | 16QAM      | 4.52        | 5.13         |
|             | High          | 64QAM      | 4.53        | 5.14         |
| 10          | Low           | QPSK       | 9.00        | 10.16        |
|             | Low           | 16QAM      | 8.95        | 9.82         |
|             | Low           | 64QAM      | 8.98        | 9.98         |
|             | Mid           | QPSK       | 8.98        | 10.28        |
|             | Mid           | 16QAM      | 8.97        | 10.01        |
|             | Mid           | 64QAM      | 8.99        | 9.97         |
|             | High          | QPSK       | 8.99        | 10.01        |
|             | High          | 16QAM      | 8.95        | 9.93         |
|             | High          | 64QAM      | 8.97        | 9.96         |



| LTE Band 38 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.50        | 4.91         |
|             | Low           | 16QAM      | 4.51        | 5.06         |
|             | Low           | 64QAM      | 4.51        | 4.90         |
|             | Mid           | QPSK       | 4.50        | 4.93         |
|             | Mid           | 16QAM      | 4.50        | 5.09         |
|             | Mid           | 64QAM      | 4.52        | 4.90         |
|             | High          | QPSK       | 4.50        | 4.93         |
|             | High          | 16QAM      | 4.51        | 5.06         |
|             | High          | 64QAM      | 4.51        | 4.85         |
| 10          | Low           | QPSK       | 8.97        | 10.04        |
|             | Low           | 16QAM      | 8.99        | 10.15        |
|             | Low           | 64QAM      | 8.98        | 9.77         |
|             | Mid           | QPSK       | 8.98        | 9.99         |
|             | Mid           | 16QAM      | 8.98        | 10.07        |
|             | Mid           | 64QAM      | 8.99        | 10.18        |
|             | High          | QPSK       | 8.98        | 9.99         |
|             | High          | 16QAM      | 8.98        | 10.09        |
|             | High          | 64QAM      | 8.99        | 9.86         |
| 15          | Low           | QPSK       | 13.50       | 14.48        |
|             | Low           | 16QAM      | 13.47       | 14.54        |
|             | Low           | 64QAM      | 13.45       | 15.27        |
|             | Mid           | QPSK       | 13.48       | 14.88        |
|             | Mid           | 16QAM      | 13.51       | 14.75        |
|             | Mid           | 64QAM      | 13.46       | 14.74        |
|             | High          | QPSK       | 13.48       | 15.29        |
|             | High          | 16QAM      | 13.50       | 14.54        |
|             | High          | 64QAM      | 13.46       | 15.48        |
| 20          | Low           | QPSK       | 18.00       | 20.71        |
|             | Low           | 16QAM      | 17.98       | 19.37        |
|             | Low           | 64QAM      | 18.01       | 19.66        |
|             | Mid           | QPSK       | 17.97       | 20.29        |
|             | Mid           | 16QAM      | 17.96       | 20.10        |
|             | Mid           | 64QAM      | 17.97       | 20.94        |
|             | High          | QPSK       | 17.98       | 19.61        |
|             | High          | 16QAM      | 17.98       | 19.41        |
|             | High          | 64QAM      | 18.00       | 19.40        |



| LTE Band 40, Block A |               |            |             |              |
|----------------------|---------------|------------|-------------|--------------|
| BW(MHz)              | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5                    | Low           | QPSK       | 4.52        | 5.13         |
|                      | Low           | 16QAM      | 4.52        | 5.15         |
|                      | Low           | 64QAM      | 4.52        | 5.13         |
|                      | Mid           | QPSK       | 4.51        | 5.40         |
|                      | Mid           | 16QAM      | 4.52        | 5.16         |
|                      | Mid           | 64QAM      | 4.53        | 5.12         |
|                      | High          | QPSK       | 4.52        | 5.41         |
|                      | High          | 16QAM      | 4.52        | 5.25         |
|                      | High          | 64QAM      | 4.51        | 5.11         |
| 10                   | Mid           | QPSK       | 8.99        | 10.09        |
|                      | Mid           | 16QAM      | 8.98        | 10.25        |
|                      | Mid           | 64QAM      | 9.00        | 10.44        |

| LTE Band 40, Block B |               |            |             |              |
|----------------------|---------------|------------|-------------|--------------|
| BW(MHz)              | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5                    | Low           | QPSK       | 4.52        | 5.08         |
|                      | Low           | 16QAM      | 4.51        | 5.29         |
|                      | Low           | 64QAM      | 4.52        | 5.10         |
|                      | Mid           | QPSK       | 4.52        | 5.17         |
|                      | Mid           | 16QAM      | 4.52        | 5.42         |
|                      | Mid           | 64QAM      | 4.51        | 5.10         |
|                      | High          | QPSK       | 4.51        | 5.18         |
|                      | High          | 16QAM      | 4.52        | 5.23         |
|                      | High          | 64QAM      | 4.52        | 5.14         |
| 10                   | Mid           | QPSK       | 9.02        | 10.31        |
|                      | Mid           | 16QAM      | 9.00        | 10.79        |
|                      | Mid           | 64QAM      | 8.99        | 10.07        |



| LTE Band 41 |               |            |             |              |
|-------------|---------------|------------|-------------|--------------|
| BW(MHz)     | Channel Level | Modulation | 99% BW(MHz) | 26dB BW(MHz) |
| 5           | Low           | QPSK       | 4.50        | 4.86         |
|             | Low           | 16QAM      | 4.51        | 4.92         |
|             | Low           | 64QAM      | 4.51        | 4.89         |
|             | Mid           | QPSK       | 4.50        | 4.93         |
|             | Mid           | 16QAM      | 4.50        | 5.15         |
|             | Mid           | 64QAM      | 4.51        | 4.87         |
|             | High          | QPSK       | 4.49        | 4.92         |
|             | High          | 16QAM      | 4.50        | 4.96         |
|             | High          | 64QAM      | 4.50        | 4.88         |
| 10          | Low           | QPSK       | 8.99        | 9.78         |
|             | Low           | 16QAM      | 8.98        | 10.09        |
|             | Low           | 64QAM      | 8.98        | 9.70         |
|             | Mid           | QPSK       | 8.99        | 9.72         |
|             | Mid           | 16QAM      | 8.99        | 10.00        |
|             | Mid           | 64QAM      | 9.00        | 9.75         |
|             | High          | QPSK       | 8.99        | 10.07        |
|             | High          | 16QAM      | 8.97        | 10.06        |
|             | High          | 64QAM      | 8.99        | 9.87         |
| 15          | Low           | QPSK       | 13.50       | 15.22        |
|             | Low           | 16QAM      | 13.52       | 15.07        |
|             | Low           | 64QAM      | 13.49       | 15.06        |
|             | Mid           | QPSK       | 13.51       | 14.65        |
|             | Mid           | 16QAM      | 13.50       | 15.96        |
|             | Mid           | 64QAM      | 13.45       | 14.61        |
|             | High          | QPSK       | 13.48       | 14.54        |
|             | High          | 16QAM      | 13.47       | 14.79        |
|             | High          | 64QAM      | 13.46       | 14.66        |
| 20          | Low           | QPSK       | 18.04       | 20.85        |
|             | Low           | 16QAM      | 18.00       | 19.70        |
|             | Low           | 64QAM      | 18.01       | 21.73        |
|             | Mid           | QPSK       | 17.99       | 19.89        |
|             | Mid           | 16QAM      | 18.01       | 20.10        |
|             | Mid           | 64QAM      | 17.98       | 20.02        |
|             | High          | QPSK       | 17.99       | 19.36        |
|             | High          | 16QAM      | 18.00       | 20.10        |
|             | High          | 64QAM      | 17.98       | 20.83        |



Band2 / 1.4MHz / QPSK/ Low CH



Band2 / 1.4MHz / 16QAM/ Low CH



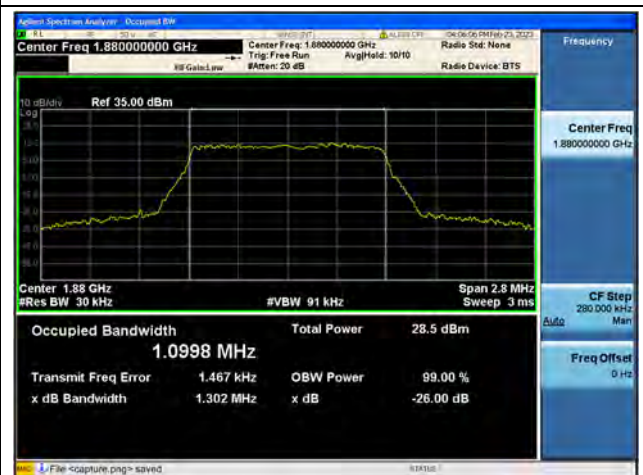
Band2 / 1.4MHz / 64QAM/ Low CH



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



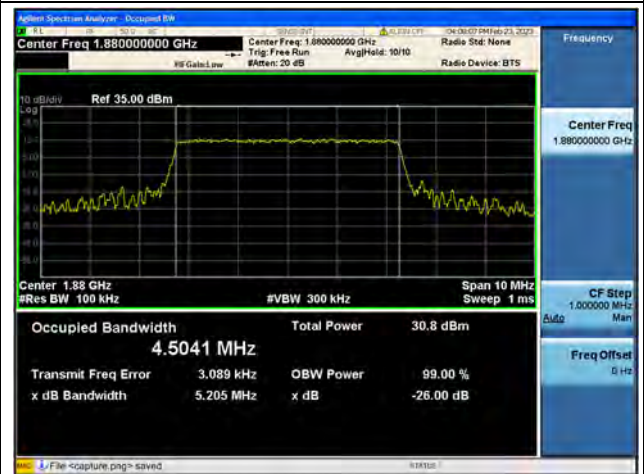
Band2 / 5MHz / QPSK/ Low CH



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



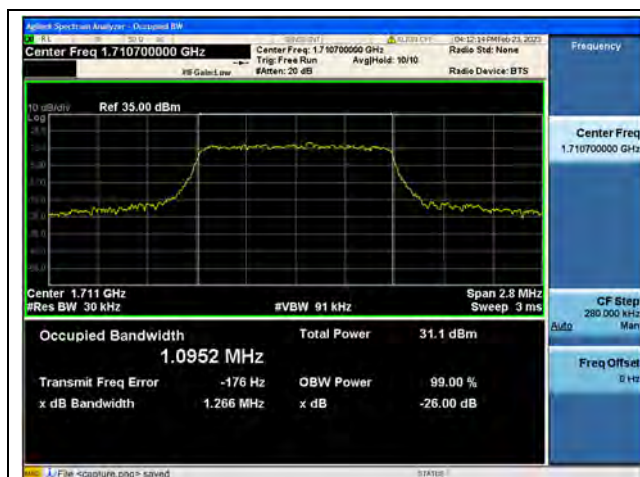
Band2 / 20MHz / QPSK/ High CH



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



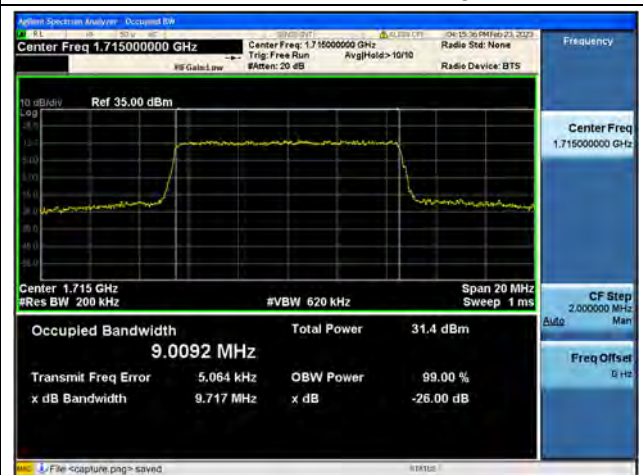
Band4 / 5MHz / QPSK/ High CH



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



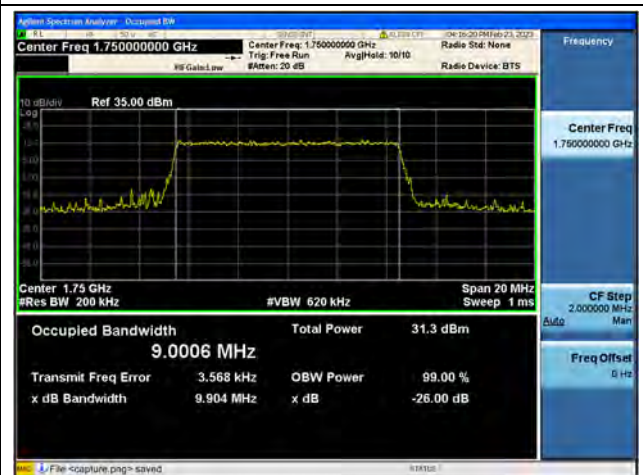
Band4 / 10MHz / QPSK/ Mid CH



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



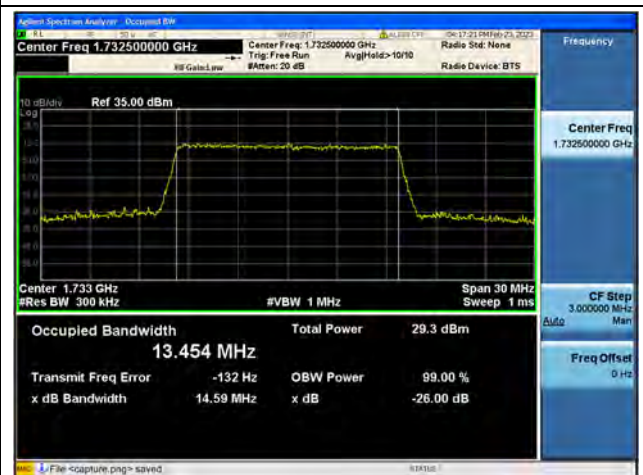
Band4 / 15MHz / 64QAM/ Low CH



Band4 / 15MHz / QPSK/ Mid CH



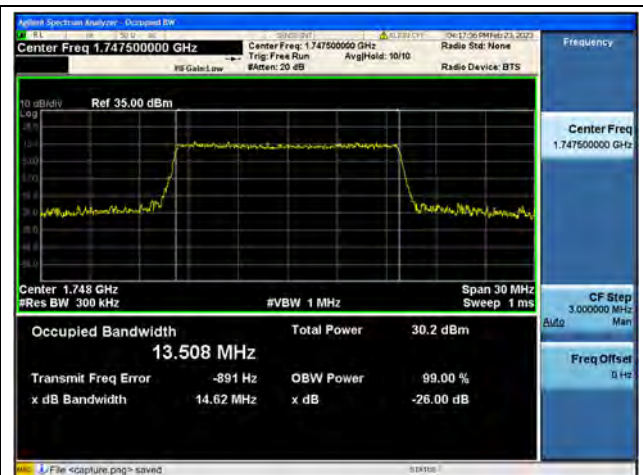
Band4 / 15MHz / 16QAM/ Mid CH



Band4 / 15MHz / 64QAM/ Mid CH



Band4 / 15MHz / QPSK/ High CH



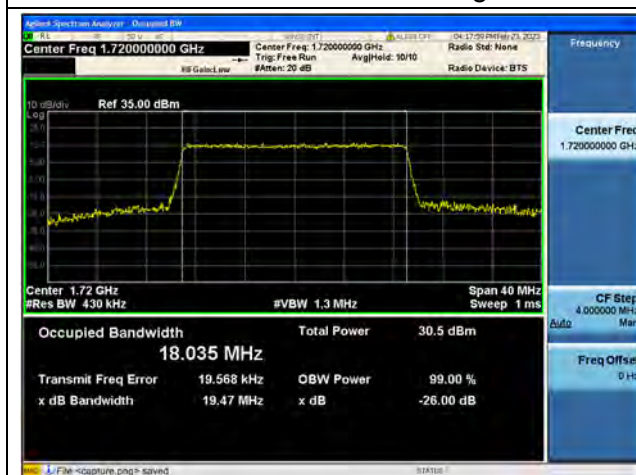
Band4 / 15MHz / 16QAM/ High CH



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



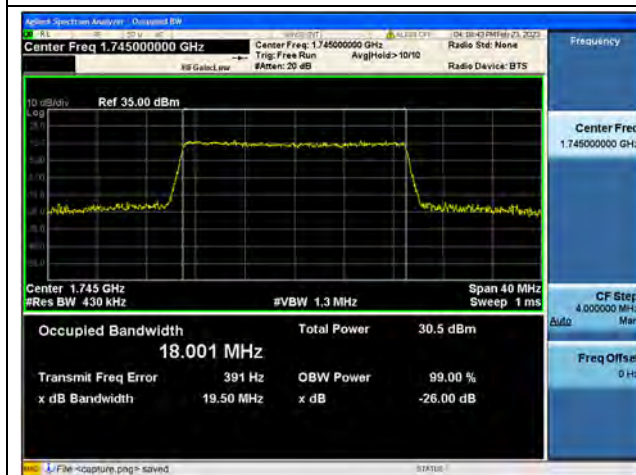
Band4 / 20MHz / 16QAM/ Mid CH



Band4 / 20MHz / 64QAM/ Mid CH



Band4 / 20MHz / QPSK/ High CH



Band4 / 20MHz / 16QAM/ High CH



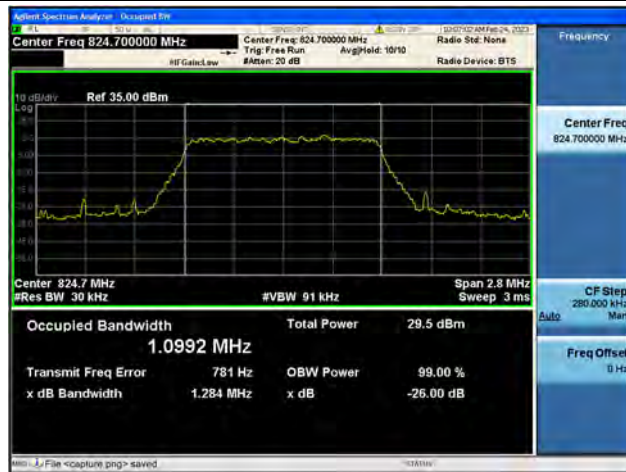
Band4 / 20MHz / 64QAM/ High CH



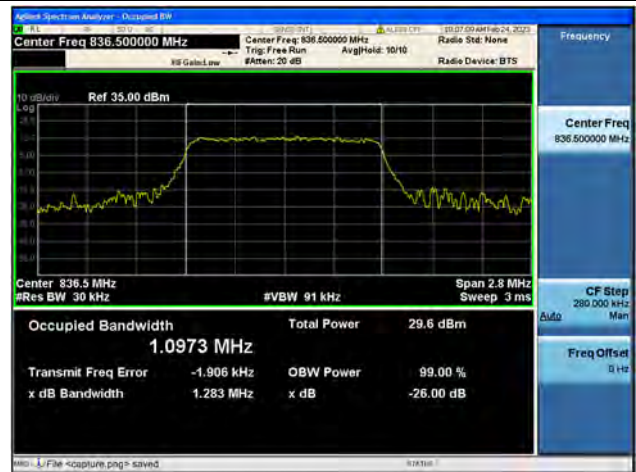
Band5 / 1.4MHz / QPSK/ Low CH



Band5 / 1.4MHz / 16QAM/ Low CH



Band5 / 1.4MHz / 64QAM/ Low CH



Band5 / 1.4MHz / QPSK/ Mid CH



Band5 / 1.4MHz / 16QAM/ Mid CH



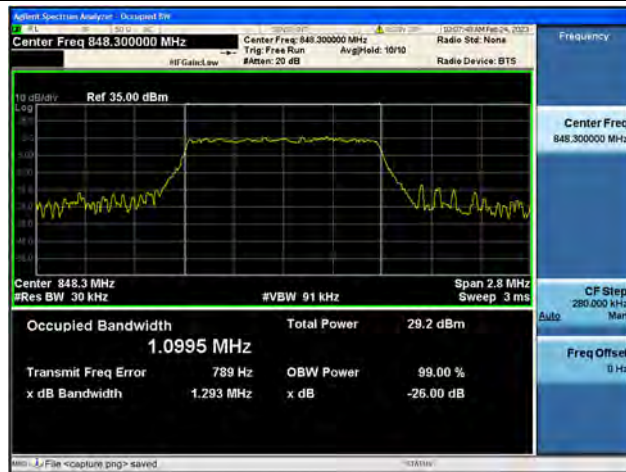
Band5 / 1.4MHz / 64QAM/ Mid CH



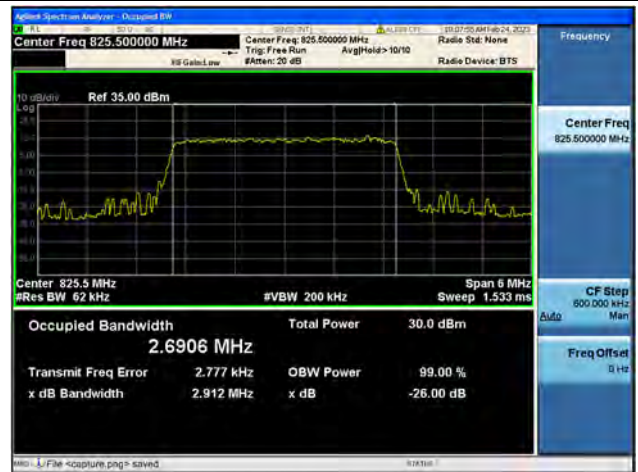
Band5 / 1.4MHz / QPSK/ High CH



Band5 / 1.4MHz / 16QAM/ High CH



Band5 / 1.4MHz / 64QAM/ High CH



Band5 / 3MHz / QPSK/ Low CH



Band5 / 3MHz / 16QAM/ Low CH



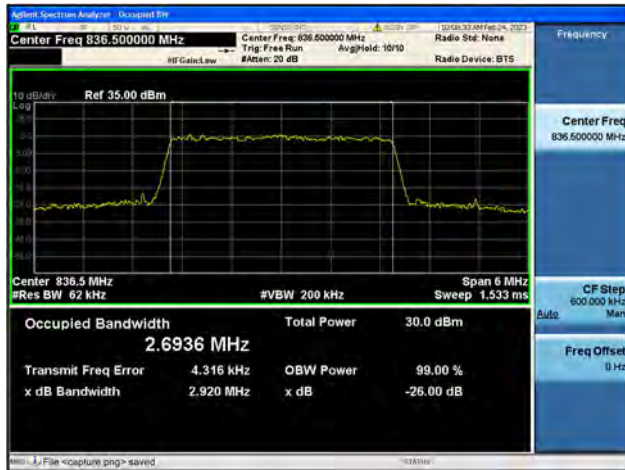
Band5 / 3MHz / 64QAM/ Low CH



Band5 / 3MHz / QPSK/ Mid CH



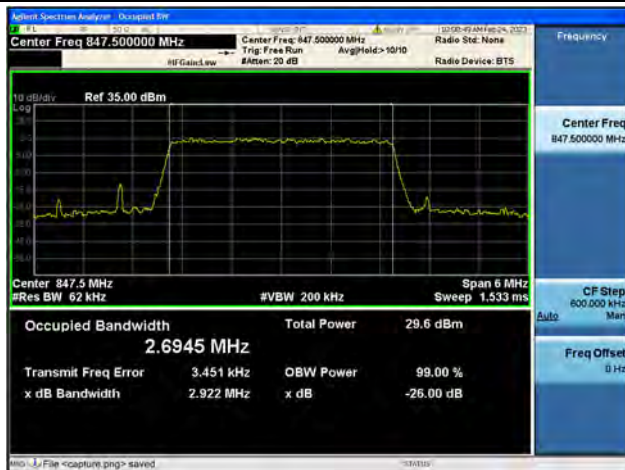
Band5 / 3MHz / 16QAM/ Mid CH



Band5 / 3MHz / 64QAM/ Mid CH



Band5 / 3MHz / QPSK/ High CH



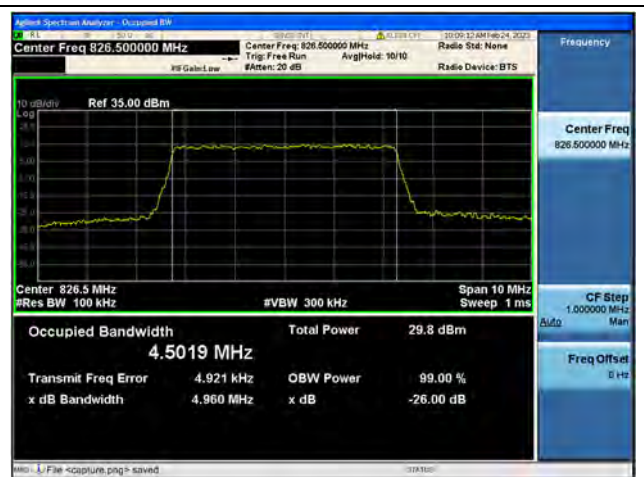
Band5 / 3MHz / 16QAM/ High CH



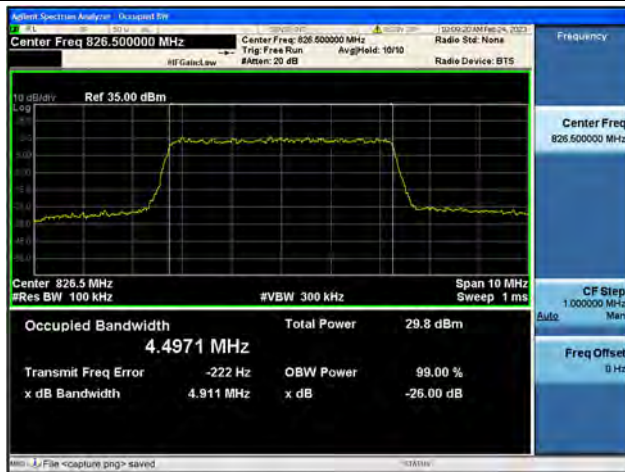
Band5 / 3MHz / 64QAM/ High CH



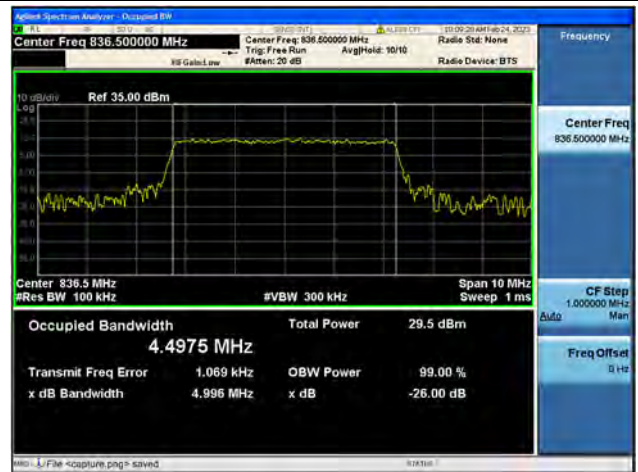
Band5 / 5MHz / QPSK/ Low CH



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



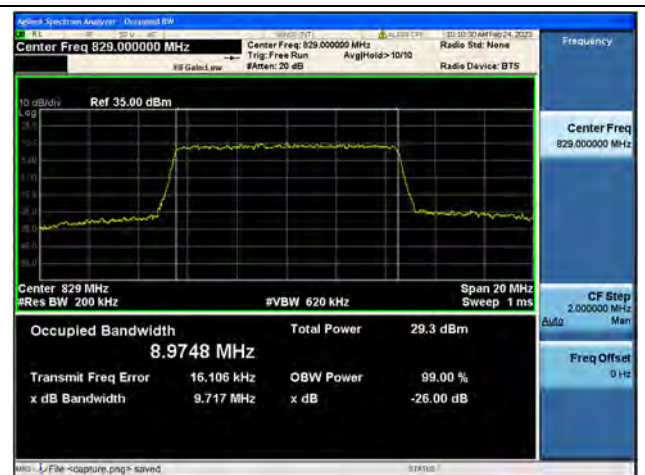
Band5 / 5MHz / 64QAM/ High CH



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



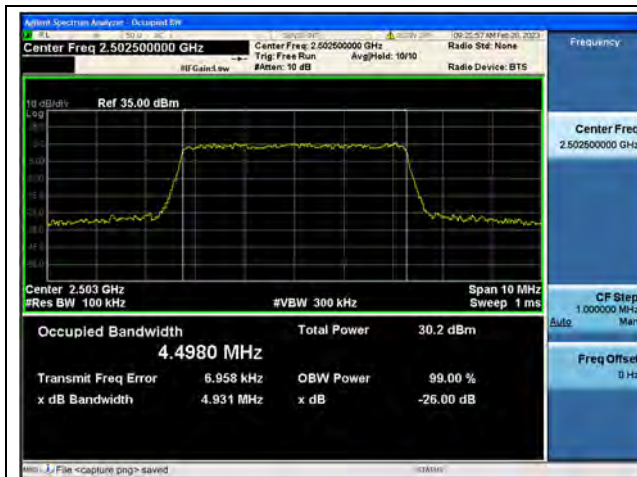
Band5 / 10MHz / QPSK/ High CH



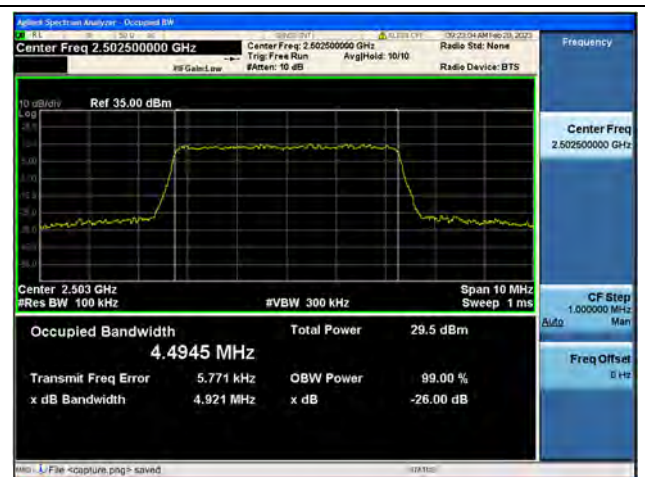
Band5 / 10MHz / 16QAM/ High CH



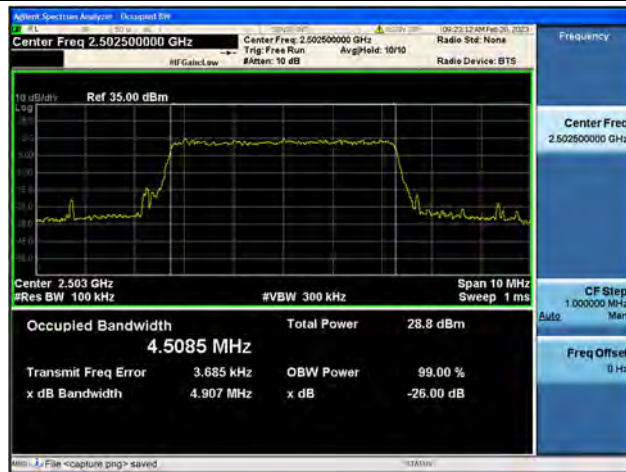
Band5 / 10MHz / 64QAM/ High CH



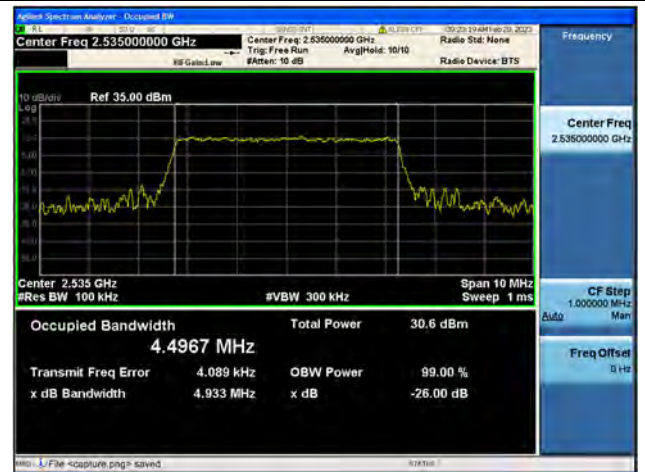
Band7 / 5MHz / QPSK/ Low CH



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



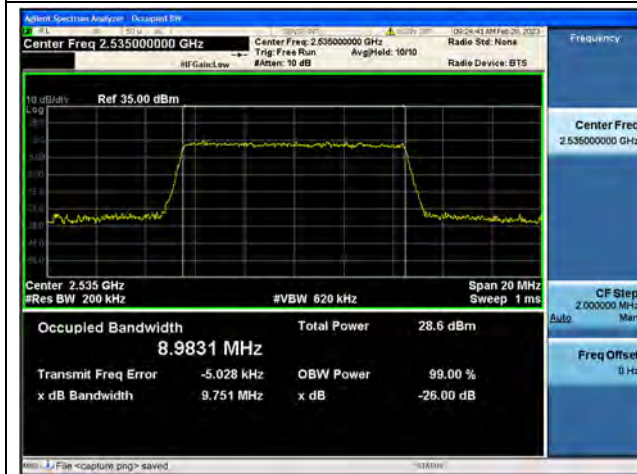
Band7 / 10MHz / 64QAM/ Low CH



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



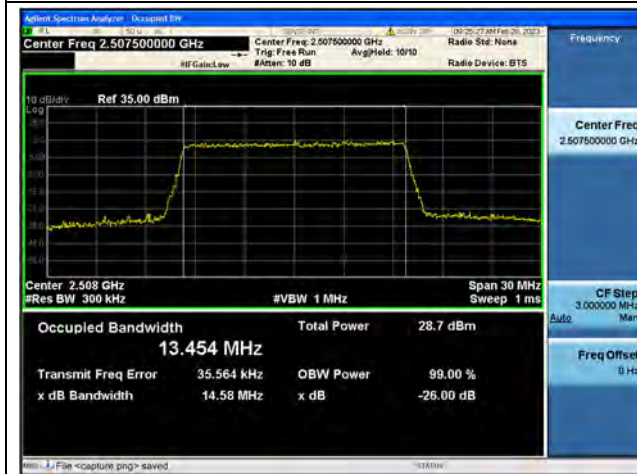
Band7 / 10MHz / 64QAM/ High CH



Band7 / 15MHz / QPSK/ Low CH



Band7 / 15MHz / 16QAM/ Low CH



Band7 / 15MHz / 64QAM/ Low CH



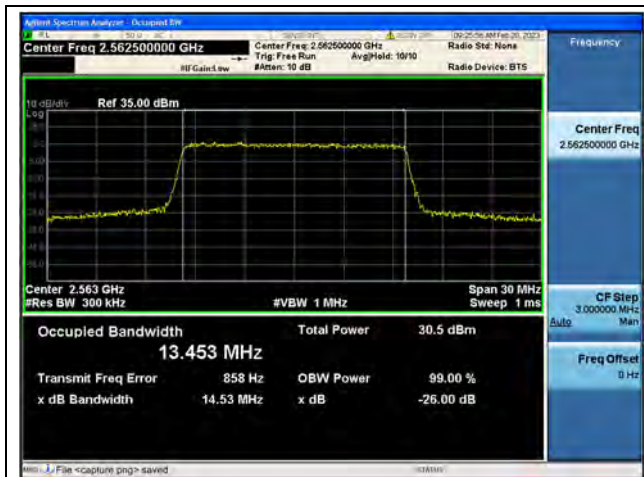
Band7 / 15MHz / QPSK/ Mid CH



Band7 / 15MHz / 16QAM/ Mid CH



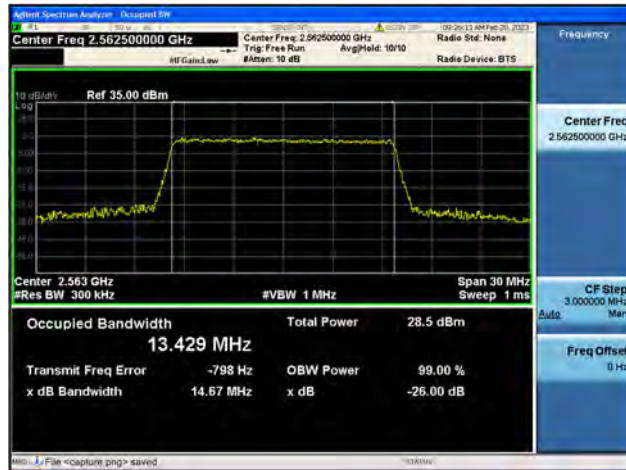
Band7 / 15MHz / 64QAM/ Mid CH



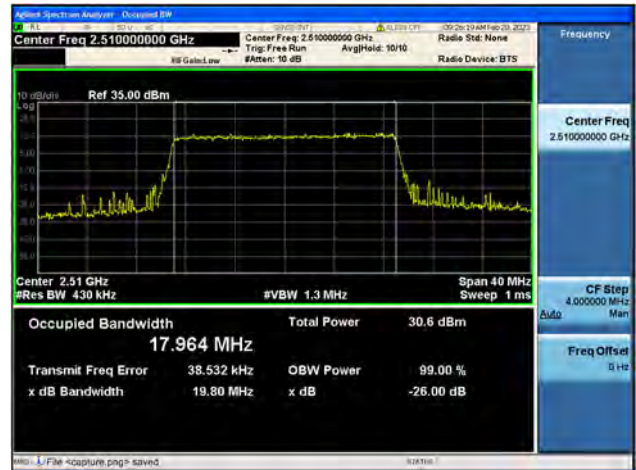
Band7 / 15MHz / QPSK/ High CH



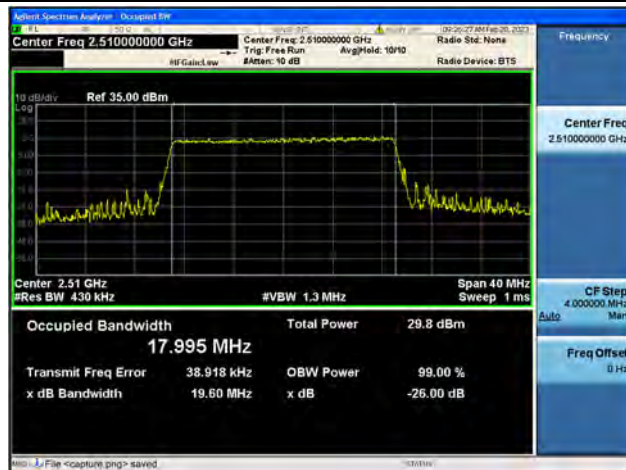
Band7 / 15MHz / 16QAM/ High CH



Band7 / 15MHz / 64QAM/ High CH



Band7 / 20MHz / QPSK/ Low CH



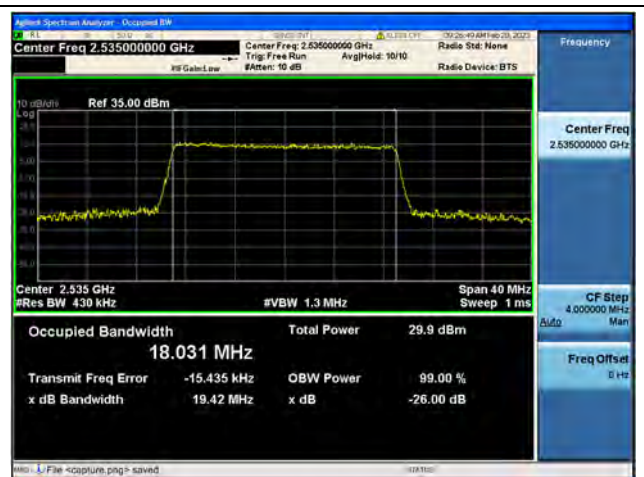
Band7 / 20MHz / 16QAM/ Low CH



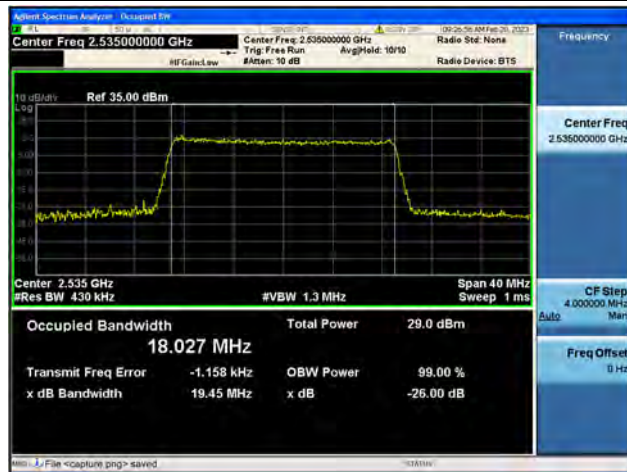
Band7 / 20MHz / 64QAM/ Low CH



Band7 / 20MHz / QPSK/ Mid CH



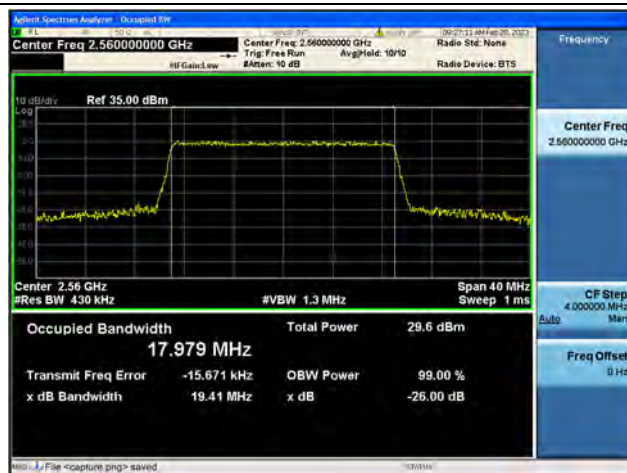
Band7 / 20MHz / 16QAM/ Mid CH



Band7 / 20MHz / 64QAM/ Mid CH



Band7 / 20MHz / QPSK/ High CH



Band7 / 20MHz / 16QAM/ High CH



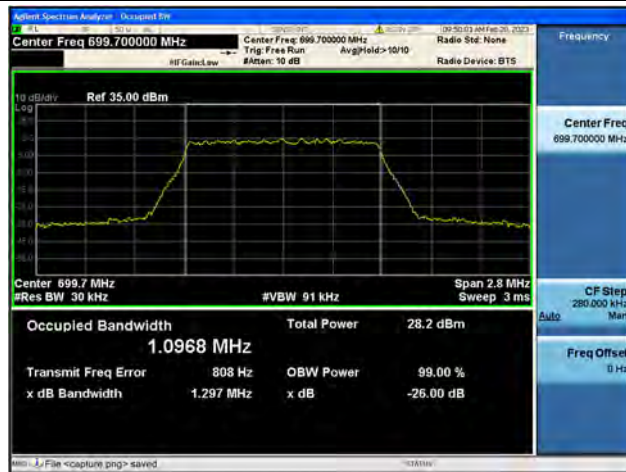
Band7 / 20MHz / 64QAM/ High CH



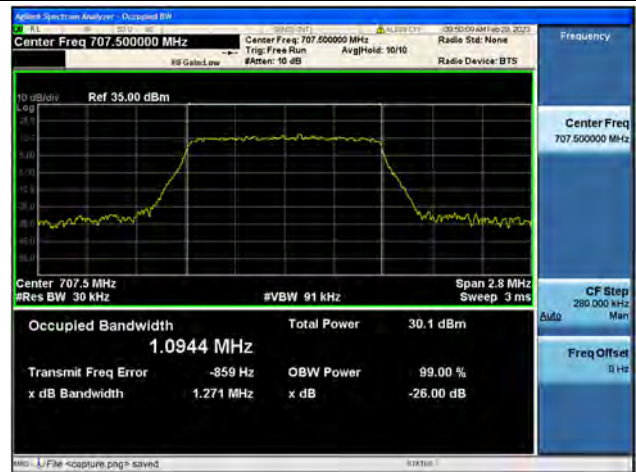
Band12 / 1.4MHz / QPSK/ Low CH



Band12 / 1.4MHz / 16QAM/ Low CH



Band12 / 1.4MHz / 64QAM/ Low CH



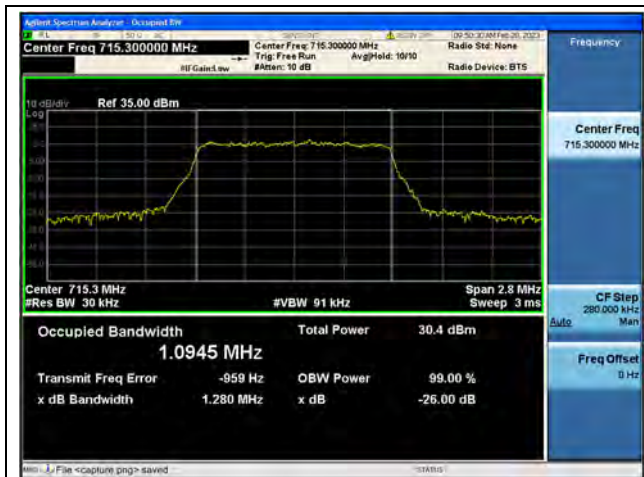
Band12 / 1.4MHz / QPSK/ Mid CH



Band12 / 1.4MHz / 16QAM/ Mid CH



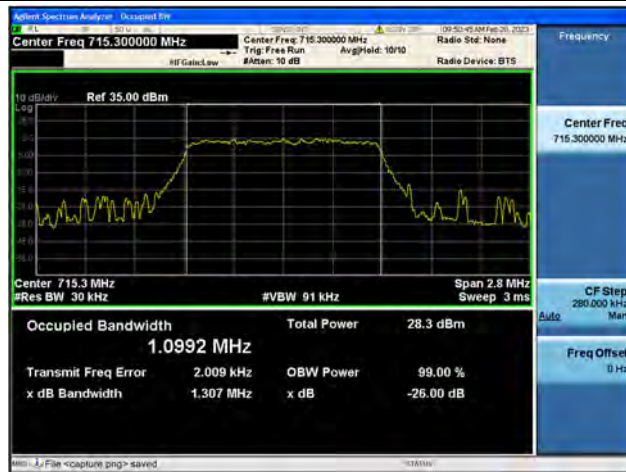
Band12 / 1.4MHz / 64QAM/ Mid CH



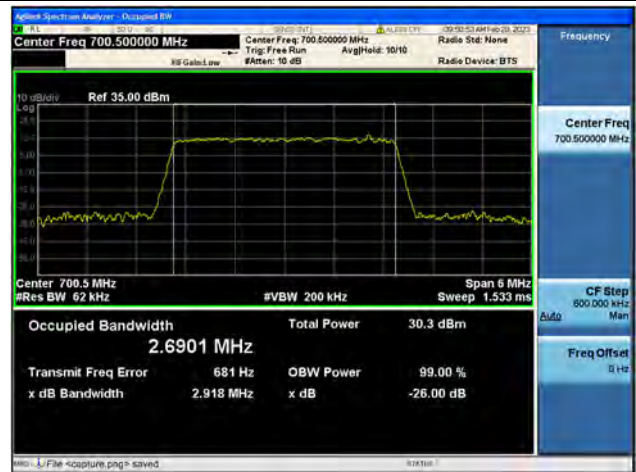
Band12 / 1.4MHz / QPSK/ High CH



Band12 / 1.4MHz / 16QAM/ High CH



Band12 / 1.4MHz / 64QAM/ High CH



Band12 / 3MHz / QPSK/ Low CH



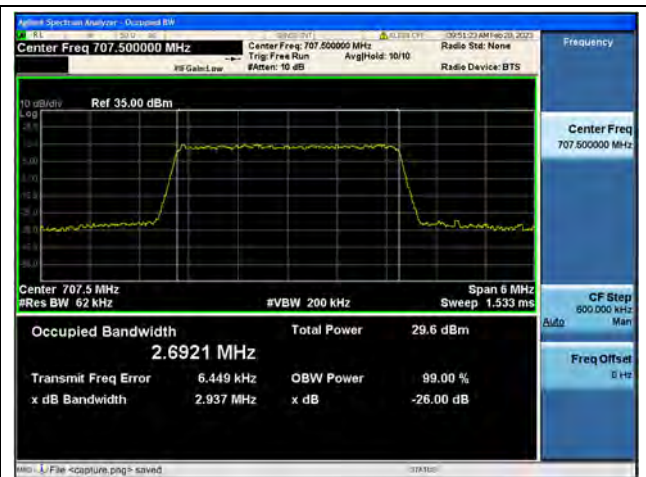
Band12 / 3MHz / 16QAM/ Low CH



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



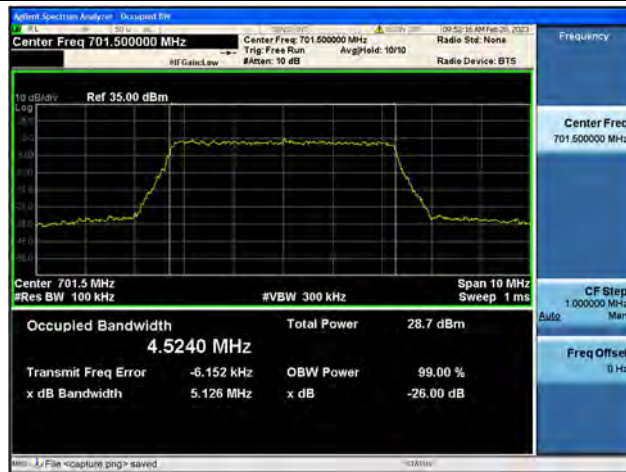
Band12 / 3MHz / 64QAM/ High CH



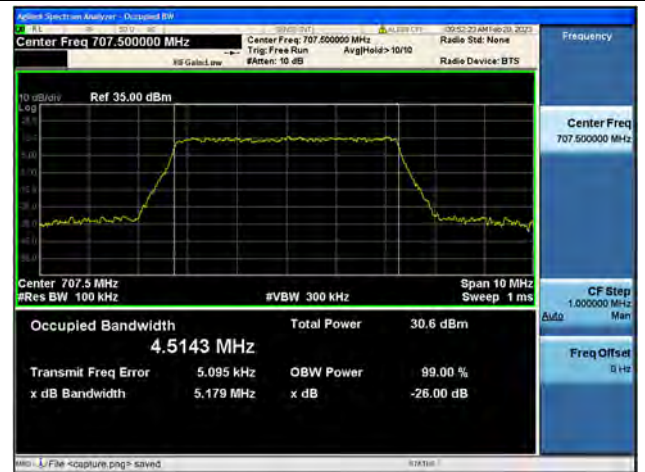
Band12 / 5MHz / QPSK/ Low CH



Band12 / 5MHz / 16QAM/ Low CH



Band12 / 5MHz / 64QAM/ Low CH



Band12 / 5MHz / QPSK/ Mid CH



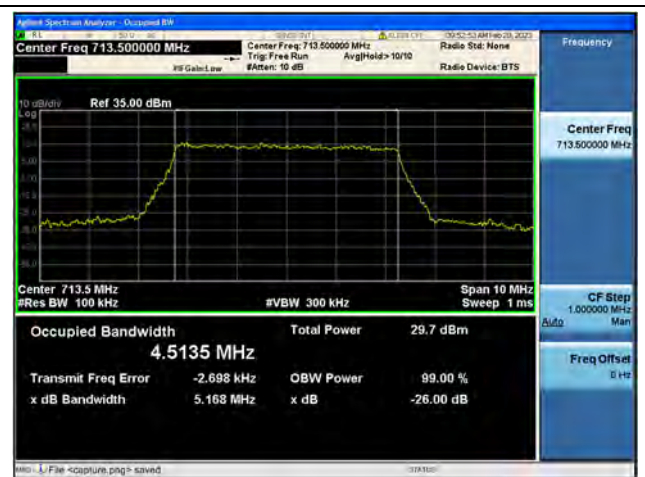
Band12 / 5MHz / 16QAM/ Mid CH



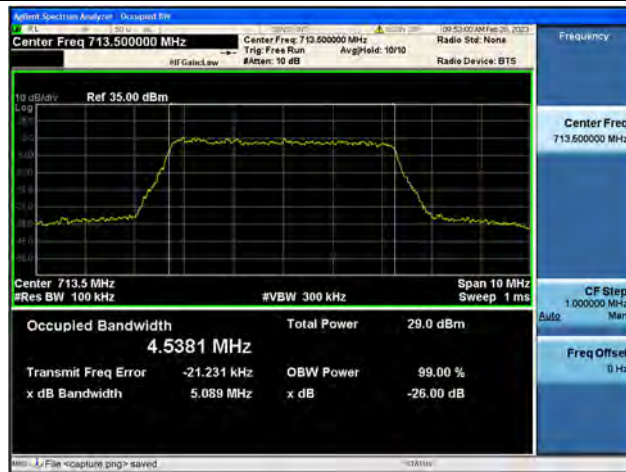
Band12 / 5MHz / 64QAM/ Mid CH



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



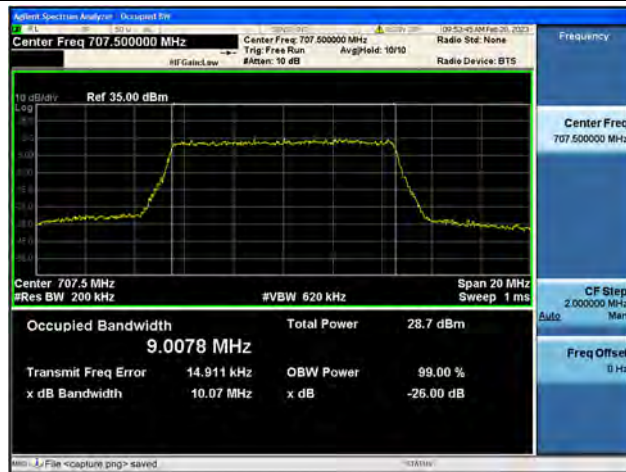
Band12 / 10MHz / 64QAM/ Low CH



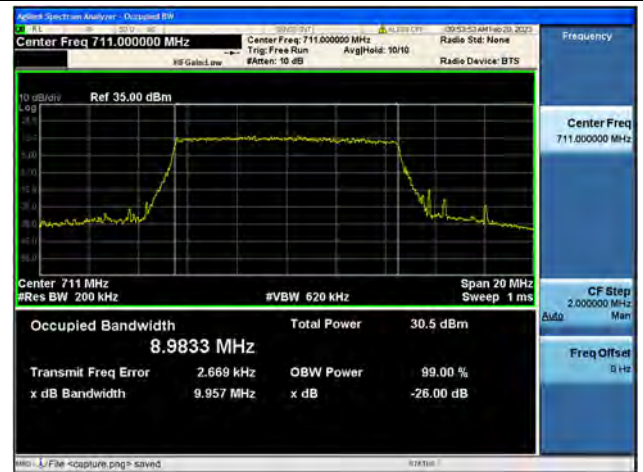
Band12 / 10MHz / QPSK/ Mid CH



Band12 / 10MHz / 16QAM/ Mid CH



Band12 / 10MHz / 64QAM/ Mid CH



Band12 / 10MHz / QPSK/ High CH



Band12 / 10MHz / 16QAM/ High CH



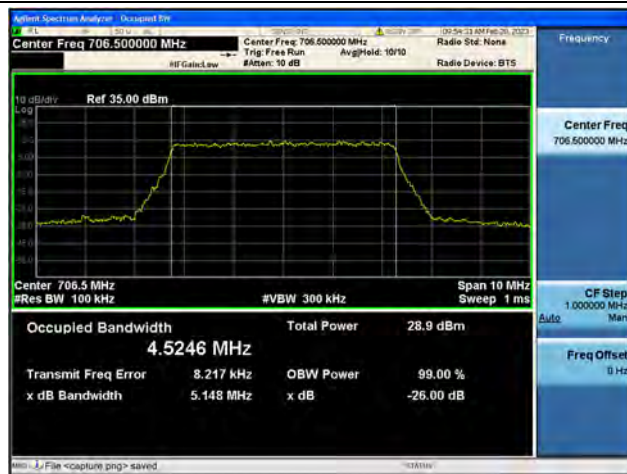
Band12 / 10MHz / 64QAM/ High CH



Band17 / 5MHz / QPSK/ Low CH



Band17 / 5MHz / 16QAM/ Low CH



Band17 / 5MHz / 64QAM/ Low CH



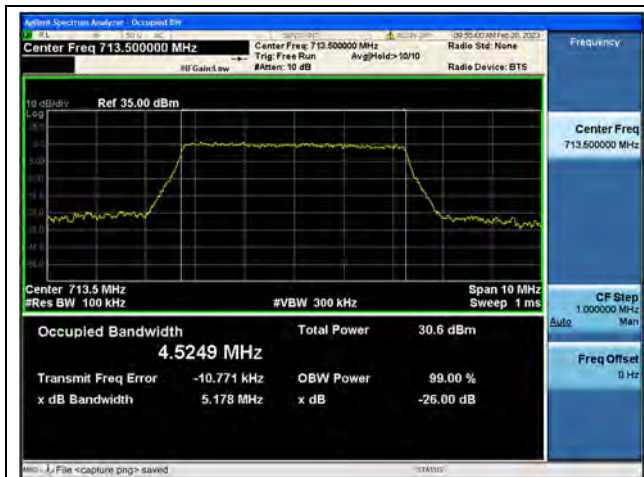
Band17 / 5MHz / QPSK/ Mid CH



Band17 / 5MHz / 16QAM/ Mid CH



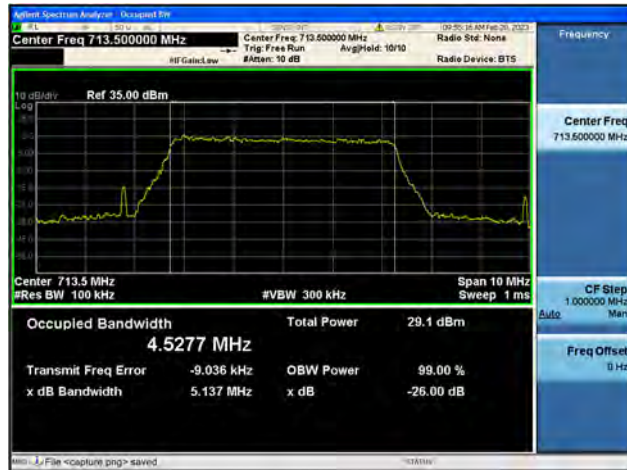
Band17 / 5MHz / 64QAM/ Mid CH



Band17 / 5MHz / QPSK/ High CH



Band17 / 5MHz / 16QAM/ High CH



Band17 / 5MHz / 64QAM/ High CH



Band17 / 10MHz / QPSK/ Low CH



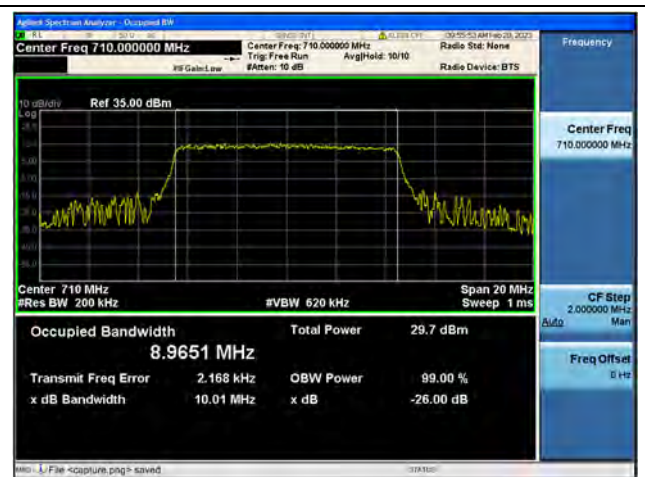
Band17 / 10MHz / 16QAM/ Low CH



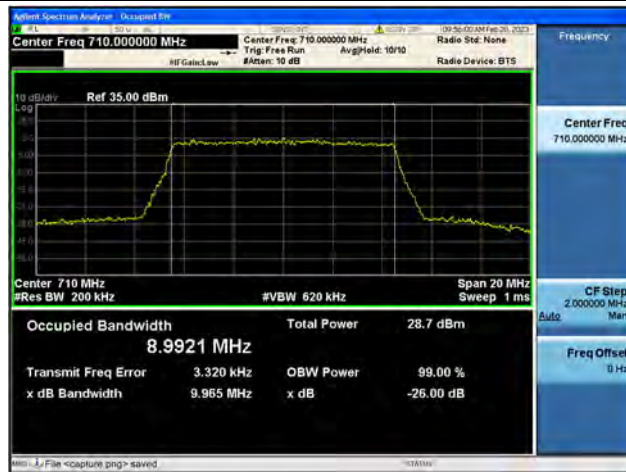
Band17 / 10MHz / 64QAM/ Low CH



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



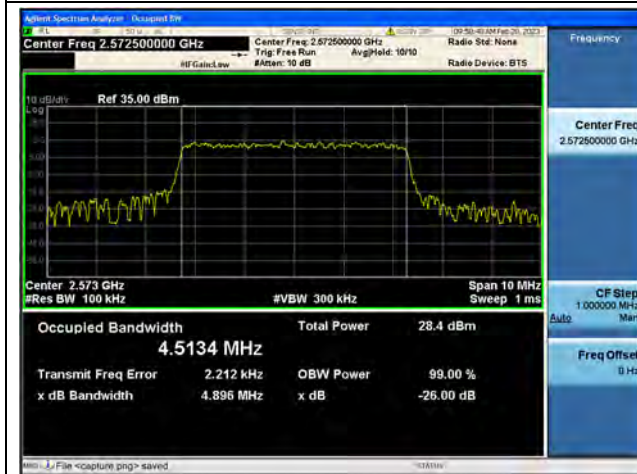
Band17 / 10MHz / 64QAM/ High CH



Band38 / 5MHz / QPSK/ Low CH



Band38 / 5MHz / 16QAM/ Low CH



Band38 / 5MHz / 64QAM/ Low CH



Band38 / 5MHz / QPSK/ Mid CH



Band38 / 5MHz / 16QAM/ Mid CH



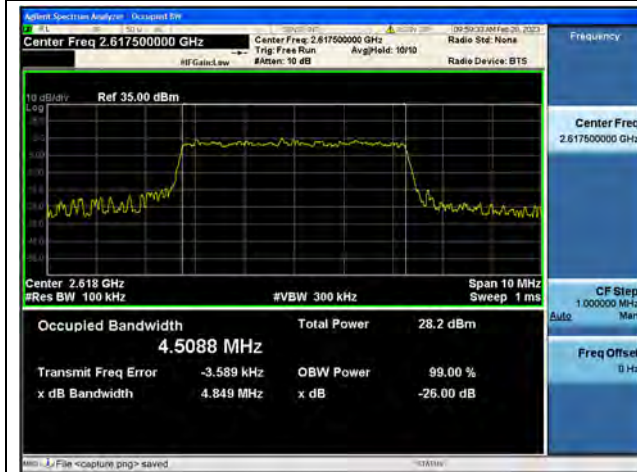
Band38 / 5MHz / 64QAM/ Mid CH



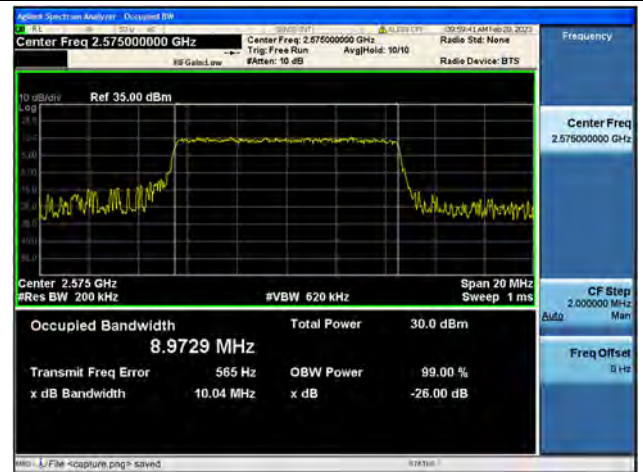
Band38 / 5MHz / QPSK/ High CH



Band38 / 5MHz / 16QAM/ High CH



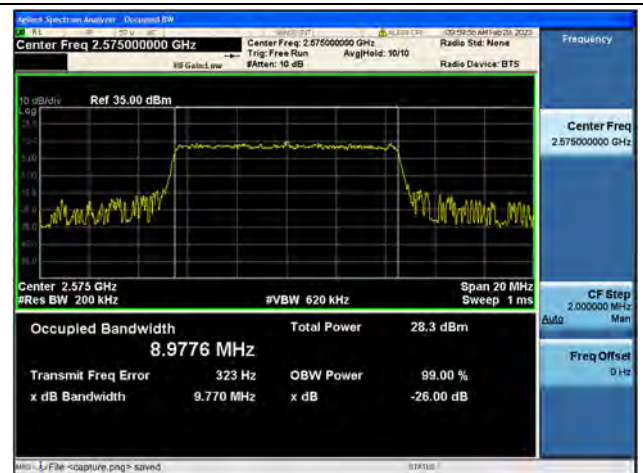
Band38 / 5MHz / 64QAM/ High CH



Band38 / 10MHz / QPSK/ Low CH



Band38 / 10MHz / 16QAM/ Low CH



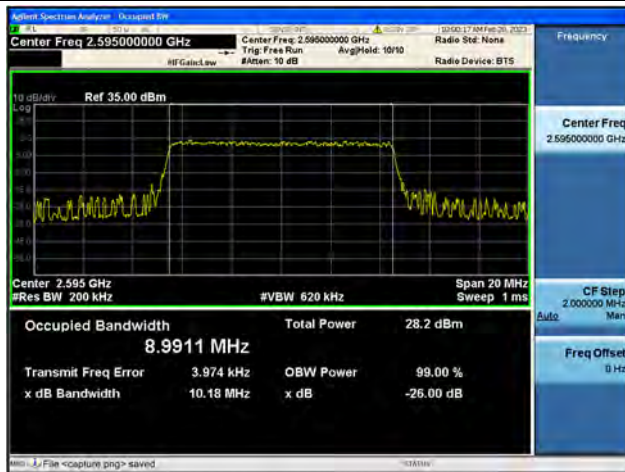
Band38 / 10MHz / 64QAM/ Low CH



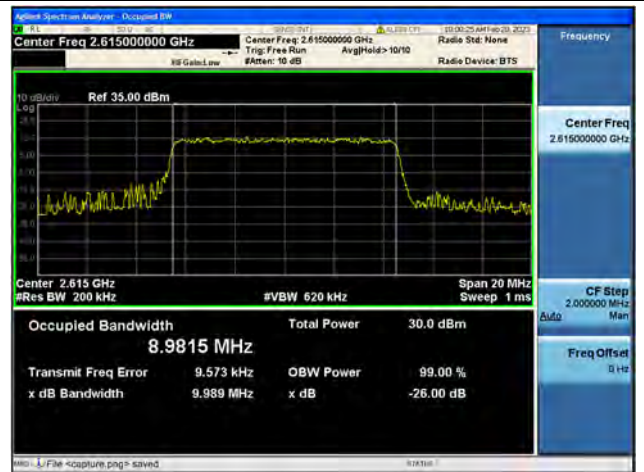
Band38 / 10MHz / QPSK/ Mid CH



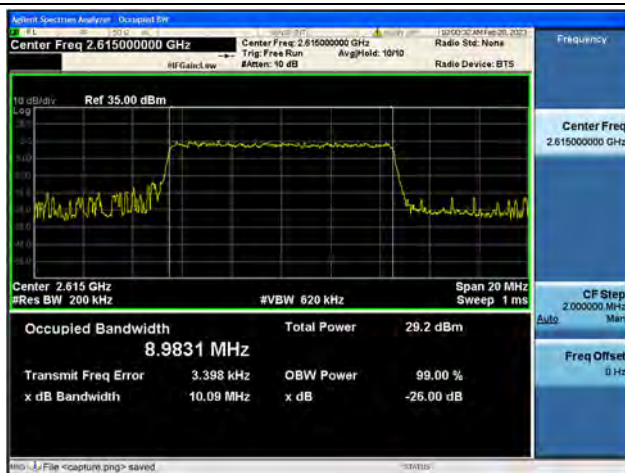
Band38 / 10MHz / 16QAM/ Mid CH



Band38 / 10MHz / 64QAM/ Mid CH



Band38 / 10MHz / QPSK/ High CH



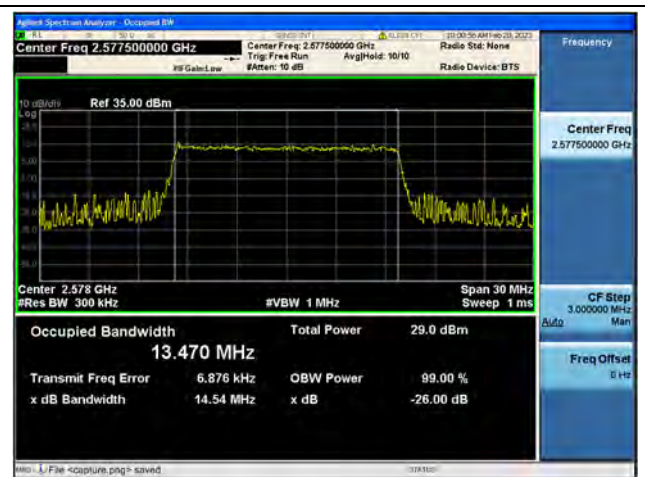
Band38 / 10MHz / 16QAM/ High CH



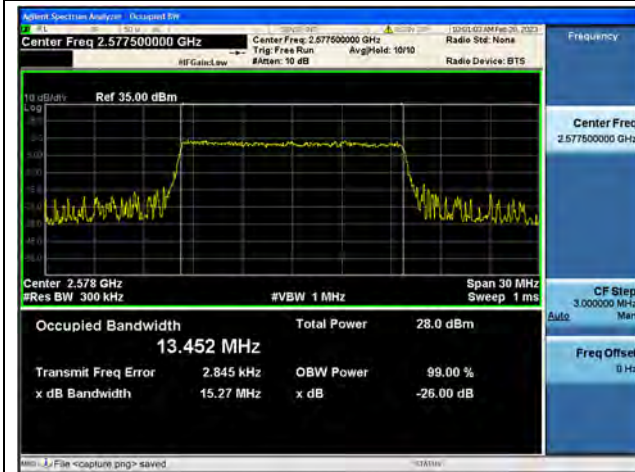
Band38 / 10MHz / 64QAM/ High CH



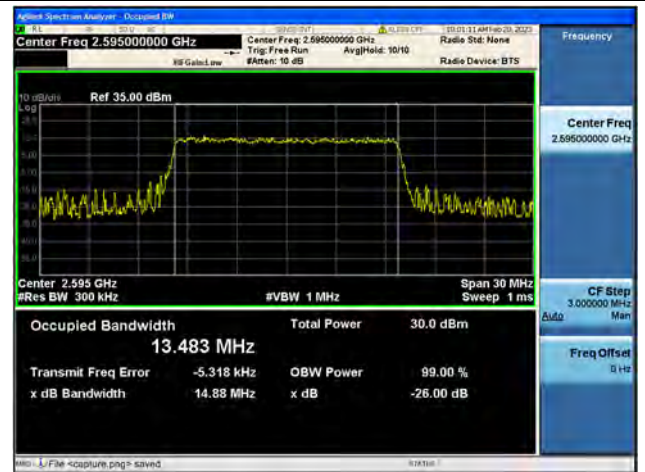
Band38 / 15MHz / QPSK/ Low CH



Band38 / 15MHz / 16QAM/ Low CH



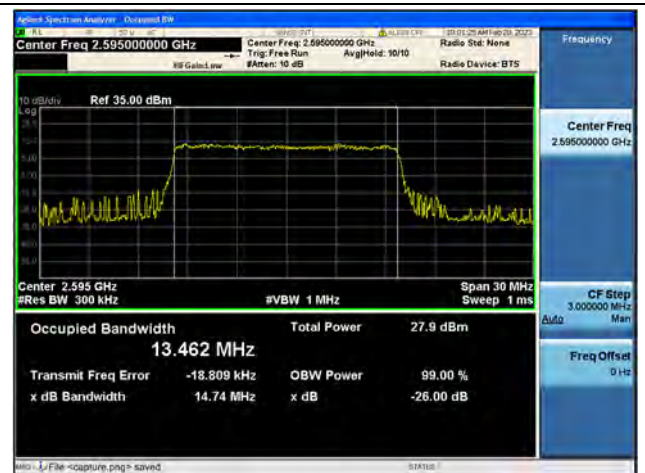
Band38 / 15MHz / 64QAM/ Low CH



Band38 / 15MHz / QPSK/ Mid CH



Band38 / 15MHz / 16QAM/ Mid CH



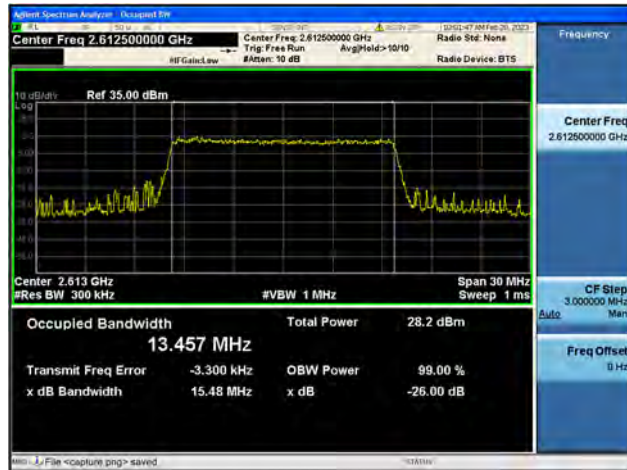
Band38 / 15MHz / 64QAM/ Mid CH



Band38 / 15MHz / QPSK/ High CH



Band38 / 15MHz / 16QAM/ High CH



Band38 / 15MHz / 64QAM/ High CH



Band38 / 20MHz / QPSK/ Low CH



Band38 / 20MHz / 16QAM/ Low CH



Band38 / 20MHz / 64QAM/ Low CH

