



REPORT No.: SZ24080214W05

# TEST REPORT

**APPLICANT** : Allied Universal Electronic Monitoring  
US, Inc.

**PRODUCT NAME** : Smartwatch

**MODEL NAME** : NC3-6605AVL

**BRAND NAME** : aWatch

**FCC ID** : NC3-6605AVL

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

**RECEIPT DATE** : 2024-11-07

**TEST DATE** : 2024-11-14 to 2025-07-10

**ISSUE DATE** : 2025-07-15

Edited by:

*Zeng Xiaoying*  
Zeng Xiaoying (Rapporteur)

Approved by:

*Shen Junsheng*  
Shen Junsheng (Supervisor)

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**MORLAB**

Shenzhen Morlab Communications Technology Co., Ltd.  
FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road,  
Block67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

Tel: 86-755-36698555

Http://www.morlab.cn

Fax: 86-755-36698525

E-mail: service@morlab.cn





# DIRECTORY

|                                                                                             |            |
|---------------------------------------------------------------------------------------------|------------|
| <b>1. Technical Information</b>                                                             | <b>3</b>   |
| 1.1. Applicant and Manufacturer Information                                                 | 3          |
| 1.2. Equipment Under Test (EUT) Description                                                 | 3          |
| 1.3. Maximum E.R.P./E.I.R.P. and Emission Designator                                        | 5          |
| 1.4. Test Standards and Results                                                             | 7          |
| 1.5. Environmental Conditions                                                               | 8          |
| <b>2. 47 CFR Part 2, Part 22H, Part 24E, Part 27 D&amp;F&amp;H&amp;L&amp;N Requirements</b> | <b>9</b>   |
| 2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.                                 | 9          |
| 2.2. Occupied Bandwidth                                                                     | 75         |
| 2.3. Frequency Stability                                                                    | 133        |
| 2.4. Peak to Average Ratio                                                                  | 138        |
| 2.5. Conducted Spurious Emissions                                                           | 172        |
| 2.6. Band Edge                                                                              | 189        |
| 2.7. Radiated Spurious Emissions                                                            | 213        |
| <b>Annex A Test Uncertainty</b>                                                             | <b>254</b> |
| <b>Annex B Testing Laboratory Information</b>                                               | <b>255</b> |

| Change History |            |                   |
|----------------|------------|-------------------|
| Version        | Date       | Reason for change |
| 1.0            | 2025-07-15 | First edition     |
|                |            |                   |



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

|                              |                                                          |
|------------------------------|----------------------------------------------------------|
| <b>Applicant:</b>            | Allied Universal Electronic Monitoring US, Inc.          |
| <b>Applicant Address:</b>    | 1838 Gunn Highway, Odessa, Florida, United States, 33556 |
| <b>Manufacturer:</b>         | Rhino Mobility LLC                                       |
| <b>Manufacturer Address:</b> | 8 The Green, Suite A, Dover, Delaware, 19901, USA        |

## 1.2. Equipment Under Test (EUT) Description

|                           |                                    |                                         |
|---------------------------|------------------------------------|-----------------------------------------|
| <b>Product Name:</b>      | Smartwatch                         |                                         |
| <b>Sample No.:</b>        | 1#, 6#, 7#                         |                                         |
| <b>Hardware Version:</b>  | Wear_TickTock-MB V02               |                                         |
| <b>Software Version:</b>  | V2_004_20250613                    |                                         |
| <b>Modulation Type:</b>   | QPSK, 16QAM, 64QAM                 |                                         |
| <b>Operation Band:</b>    | Band 2 / 4 / 5 / 12 / 13 / 66 / 71 |                                         |
| <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 12                        | Tx: 699MHz–716MHz                       |
|                           |                                    | Rx: 729MHz–746MHz                       |
|                           | LTE Band 13                        | Tx: 777MHz–787MHz                       |
|                           |                                    | Rx: 746MHz–756MHz                       |
|                           | LTE Band 66                        | Tx: 1710MHz –1780MHz                    |
|                           |                                    | Rx: 2110MHz–2200MHz                     |
| <b>Channel Bandwidth:</b> | LTE Band 71                        | Tx: 663MHz–698MHz                       |
|                           |                                    | Rx: 617MHz–652MHz                       |
|                           | 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 12    | 1.4MHz, 3 MHz, 5MHz, 10MHz                                                                |
|                               | LTE Band 13    | 5MHz, 10MHz                                                                               |
|                               | LTE Band 66    | 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz                                                   |
|                               | LTE Band 71    | 5MHz, 10MHz, 15MHz, 20MHz                                                                 |
| <b>Antenna Type:</b>          | LDS Antenna    |                                                                                           |
| <b>Antenna Gain:</b>          | LTE Band 2     | -0.27dBi                                                                                  |
|                               | LTE Band 4     | -0.65dBi                                                                                  |
|                               | LTE Band 5     | -6.57dBi                                                                                  |
|                               | LTE Band 12    | -6.77dBi                                                                                  |
|                               | LTE Band 13    | -6.11dBi                                                                                  |
|                               | LTE Band 66    | -0.54dBi                                                                                  |
|                               | LTE Band 71    | -7.11dBi                                                                                  |
| <b>Accessory Information:</b> | Battery        |                                                                                           |
|                               | Brand Name:    | NA                                                                                        |
|                               | Model No.:     | BPV2                                                                                      |
|                               | Serial No.:    | N/A                                                                                       |
|                               | Capacity:      | 920mAh                                                                                    |
|                               | Rated Voltage: | 3.87V                                                                                     |
|                               | Charge Limit:  | 4.45V                                                                                     |
|                               | Manufacturer:  | Phenix New Energy (Huizhou) Co., Ltd.                                                     |
|                               | AC Adapter     |                                                                                           |
|                               | Brand Name:    | RHINO                                                                                     |
|                               | Model No.:     | TPA-10S120150UU01                                                                         |
|                               | Serial No.:    | N/A                                                                                       |
|                               | Rated Output:  | 3.6-6.0V $\Rightarrow$ 3.0A, 6.0-9.0V $\Rightarrow$ 2.0A,<br>9.0-12.0V $\Rightarrow$ 1.5A |
|                               | Rated Input:   | 100-240V $\sim$ 50/60Hz, 0.6A                                                             |
|                               | Manufacturer:  | Shenzhen Tianyin Electronics Co., Ltd.                                                    |
|                               | USB Cable      |                                                                                           |
|                               | Model No.:     | USB A/M TO POGO PIN*4 OD 3.2 Black L=2M                                                   |
|                               | Manufacturer:  | JIANGXI JIEYE Electronics Co., Ltd.                                                       |

**Note 1:** The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. 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          | 0.166                       | 0.141 | 0.111 | 17M9G7D                      | 17M9W7D | 17M9W7D |
| 15          | 0.154                       | 0.131 | 0.103 | 13M4G7D                      | 13M4W7D | 13M4W7D |
| 10          | 0.152                       | 0.129 | 0.102 | 8M94G7D                      | 8M93W7D | 8M95W7D |
| 5           | 0.149                       | 0.127 | 0.100 | 4M47G7D                      | 4M48W7D | 4M48W7D |
| 3           | 0.147                       | 0.125 | 0.098 | 2M70G7D                      | 2M70W7D | 2M71W7D |
| 1.4         | 0.145                       | 0.123 | 0.097 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 4  | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 20          | 0.173                       | 0.134 | 0.109 | 17M9G7D                      | 17M9W7D | 17M9W7D |
| 15          | 0.167                       | 0.130 | 0.106 | 13M5G7D                      | 13M5W7D | 13M4W7D |
| 10          | 0.164                       | 0.128 | 0.104 | 8M98G7D                      | 8M95W7D | 8M97W7D |
| 5           | 0.162                       | 0.126 | 0.103 | 4M49G7D                      | 4M49W7D | 4M49W7D |
| 3           | 0.159                       | 0.124 | 0.101 | 2M70G7D                      | 2M70W7D | 2M70W7D |
| 1.4         | 0.157                       | 0.122 | 0.099 | 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          | 0.025                       | 0.020 | 0.016 | 8M95G7D                      | 8M93W7D | 8M95W7D |
| 5           | 0.025                       | 0.020 | 0.016 | 4M47G7D                      | 4M47W7D | 4M49W7D |
| 3           | 0.024                       | 0.019 | 0.016 | 2M70G7D                      | 2M70W7D | 2M70W7D |
| 1.4         | 0.024                       | 0.019 | 0.015 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| 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          | 0.026                       | 0.020 | 0.017 | 8M97G7D                      | 8M94W7D | 8M95W7D |
| 5           | 0.025                       | 0.020 | 0.016 | 4M48G7D                      | 4M48W7D | 4M48W7D |
| 3           | 0.024                       | 0.020 | 0.016 | 2M70G7D                      | 2M70W7D | 2M71W7D |
| 1.4         | 0.024                       | 0.019 | 0.016 | 1M10G7D                      | 1M10W7D | 1M10W7D |
| LTE Band 13 | Maximum E.R.P./E.I.R.P. (W) |       |       | Emission Designator (99%OBW) |         |         |
| BW(MHz)     | QPSK                        | 16QAM | 64QAM | QPSK                         | 16QAM   | 64QAM   |
| 10          | 0.029                       | 0.024 | 0.019 | 8M93G7D                      | 8M91W7D | 8M92W7D |
| 5           | 0.029                       | 0.023 | 0.019 | 4M48G7D                      | 4M48W7D | 4M49W7D |



| <b>LTE Band 66</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                 | 0.176                              | 0.145 | 0.114 | 17M9G7D                             | 17M9W7D | 17M9W7D |
| 15                 | 0.169                              | 0.142 | 0.112 | 13M4G7D                             | 13M4W7D | 13M4W7D |
| 10                 | 0.166                              | 0.139 | 0.110 | 8M94G7D                             | 8M92W7D | 8M94W7D |
| 5                  | 0.163                              | 0.137 | 0.108 | 4M47G7D                             | 4M48W7D | 4M48W7D |
| 3                  | 0.160                              | 0.134 | 0.106 | 2M70G7D                             | 2M70W7D | 2M70W7D |
| 1.4                | 0.157                              | 0.132 | 0.104 | 1M10G7D                             | 1M10W7D | 1M10W7D |
| <b>LTE Band 71</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                 | 0.024                              | 0.019 | 0.015 | 17M9G7D                             | 17M9W7D | 17M9W7D |
| 15                 | 0.022                              | 0.017 | 0.014 | 13M5G7D                             | 13M4W7D | 13M4W7D |
| 10                 | 0.021                              | 0.017 | 0.013 | 8M95G7D                             | 8M93W7D | 8M95W7D |
| 5                  | 0.021                              | 0.017 | 0.013 | 4M48G7D                             | 4M48W7D | 4M48W7D |



## 1.4. Test Standards and Results

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

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

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

| Section                                                                            | Description                                                        | Test Date     | Test Engineer             | Result | Remark |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------|---------------------------|--------|--------|
| 2.1046<br>22.913(a)(2)<br>24.232(c)<br>27.50(b)(10)<br>27.50(c)(10)<br>27.50(d)(4) | Transmitter<br>Conducted<br>Output Power<br>and<br>E.R.P./E.I.R.P. | Jul. 02, 2025 | Gan Jing<br>Zheng Jianhua | PASS   | /      |
| 2.1049                                                                             | Occupied<br>Bandwidth                                              | Nov. 28, 2024 | Gan Jing                  | PASS   | /      |
| 2.1055<br>22.355<br>24.235<br>27.54                                                | Frequency<br>Stability                                             | Nov. 28, 2024 | Gan Jing                  | PASS   | /      |
| 24.232(d),<br>27.50(d)(5)                                                          | Peak to<br>Average Radio                                           | Nov. 28, 2024 | Gan Jing                  | PASS   | /      |
| 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(c)(2)<br>27.53(g)<br>27.53(h)            | Conducted<br>Spurious<br>Emissions                                 | Nov. 28, 2024 | Gan Jing                  | PASS   | /      |
| 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(c)(2)                                    | Band Edge                                                          | Nov. 28, 2024 | Gan Jing                  | PASS   | /      |



|                                                                         |                                   |               |             |      |   |
|-------------------------------------------------------------------------|-----------------------------------|---------------|-------------|------|---|
| 27.53(g)<br>27.53(h)                                                    |                                   |               |             |      |   |
| 2.1053<br>22.917(a)<br>24.238(a)<br>27.53(c)(2)<br>27.53(g)<br>27.53(h) | Radiated<br>Spurious<br>Emissions | Jul. 10, 2025 | Gao Jianrou | PASS | / |

**Note 1:** The tests were performed according to the method of measurements prescribed in KDB 971168 D01 v03 and ANSI/TIA-603-E-2016.

**Note 2:** Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

**Note 3:** The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.

## 1.5. Environmental Conditions

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

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

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

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

### 2.1.1. Requirement

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

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

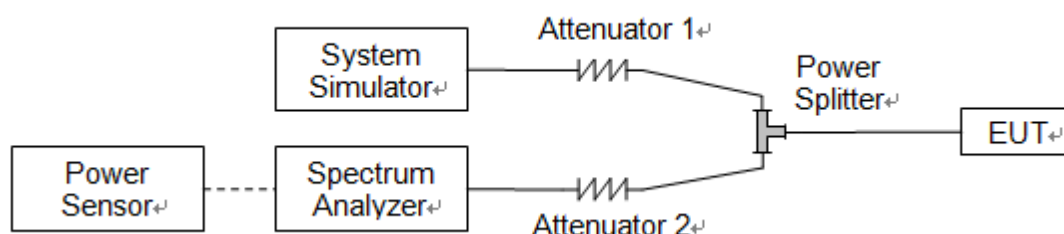
According to FCC section 27.50 (d)(4) for LTE Band 4/66, Fixed, mobile and portable (hand-held) stations in the 1710-1755MHz band are limited to 1wat E.I.R.P.

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

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

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

### 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         | 22.42                         | 22.47                            | 22.39                          |
| 20              | QPSK       | 1       | 49        | 22.41                         | 22.43                            | 22.36                          |
| 20              | QPSK       | 1       | 99        | 22.33                         | 22.40                            | 22.37                          |
| 20              | QPSK       | 50      | 0         | 21.50                         | 21.59                            | 21.48                          |
| 20              | QPSK       | 50      | 24        | 21.47                         | 21.41                            | 21.39                          |
| 20              | QPSK       | 50      | 50        | 21.44                         | 21.47                            | 21.40                          |
| 20              | QPSK       | 100     | 0         | 21.47                         | 21.48                            | 21.37                          |
| 20              | 16QAM      | 1       | 0         | 21.74                         | 21.65                            | 21.48                          |
| 20              | 16QAM      | 1       | 49        | 21.62                         | 21.71                            | 21.66                          |
| 20              | 16QAM      | 1       | 99        | 21.72                         | 21.49                            | 21.76                          |
| 20              | 16QAM      | 50      | 0         | 20.43                         | 20.38                            | 20.42                          |
| 20              | 16QAM      | 50      | 24        | 20.64                         | 20.49                            | 20.48                          |
| 20              | 16QAM      | 50      | 50        | 20.51                         | 20.54                            | 20.56                          |
| 20              | 16QAM      | 100     | 0         | 20.49                         | 20.51                            | 20.47                          |
| 20              | 64QAM      | 1       | 0         | 20.59                         | 20.73                            | 20.68                          |
| 20              | 64QAM      | 1       | 49        | 20.62                         | 20.66                            | 20.56                          |
| 20              | 64QAM      | 1       | 99        | 20.72                         | 20.60                            | 20.42                          |
| 20              | 64QAM      | 50      | 0         | 20.57                         | 20.46                            | 20.46                          |
| 20              | 64QAM      | 50      | 24        | 20.40                         | 20.41                            | 20.48                          |
| 20              | 64QAM      | 50      | 50        | 20.53                         | 20.46                            | 20.51                          |
| 20              | 64QAM      | 100     | 0         | 20.45                         | 20.48                            | 20.47                          |



| 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         | 22.10                         | 22.15                            | 22.13                          |
| 15              | QPSK       | 1       | 37        | 22.09                         | 22.11                            | 22.04                          |
| 15              | QPSK       | 1       | 74        | 22.01                         | 22.08                            | 22.05                          |
| 15              | QPSK       | 36      | 0         | 21.18                         | 21.27                            | 21.16                          |
| 15              | QPSK       | 36      | 20        | 21.15                         | 21.09                            | 21.07                          |
| 15              | QPSK       | 36      | 39        | 21.12                         | 21.15                            | 21.08                          |
| 15              | QPSK       | 75      | 0         | 21.15                         | 21.16                            | 21.05                          |
| 15              | 16QAM      | 1       | 0         | 21.42                         | 21.33                            | 21.16                          |
| 15              | 16QAM      | 1       | 37        | 21.30                         | 21.39                            | 21.34                          |
| 15              | 16QAM      | 1       | 74        | 21.40                         | 21.17                            | 21.44                          |
| 15              | 16QAM      | 36      | 0         | 20.11                         | 20.06                            | 20.10                          |
| 15              | 16QAM      | 36      | 20        | 20.32                         | 20.17                            | 20.16                          |
| 15              | 16QAM      | 36      | 39        | 20.19                         | 20.22                            | 20.24                          |
| 15              | 16QAM      | 75      | 0         | 20.17                         | 20.19                            | 20.15                          |
| 15              | 64QAM      | 1       | 0         | 20.27                         | 20.41                            | 20.36                          |
| 15              | 64QAM      | 1       | 37        | 20.30                         | 20.34                            | 20.24                          |
| 15              | 64QAM      | 1       | 74        | 20.40                         | 20.28                            | 20.10                          |
| 15              | 64QAM      | 36      | 0         | 20.25                         | 20.14                            | 20.14                          |
| 15              | 64QAM      | 36      | 20        | 20.08                         | 20.09                            | 20.16                          |
| 15              | 64QAM      | 36      | 39        | 20.21                         | 20.14                            | 20.19                          |
| 15              | 64QAM      | 75      | 0         | 20.13                         | 20.16                            | 20.15                          |



| 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         | 22.03                         | 22.08                            | 22.06                          |
| 10              | QPSK       | 1       | 25        | 22.02                         | 22.04                            | 21.97                          |
| 10              | QPSK       | 1       | 49        | 21.94                         | 22.01                            | 21.98                          |
| 10              | QPSK       | 25      | 0         | 21.11                         | 21.20                            | 21.09                          |
| 10              | QPSK       | 25      | 12        | 21.08                         | 21.02                            | 21.00                          |
| 10              | QPSK       | 25      | 25        | 21.05                         | 21.08                            | 21.01                          |
| 10              | QPSK       | 50      | 0         | 21.08                         | 21.09                            | 20.98                          |
| 10              | 16QAM      | 1       | 0         | 21.35                         | 21.26                            | 21.09                          |
| 10              | 16QAM      | 1       | 25        | 21.23                         | 21.32                            | 21.27                          |
| 10              | 16QAM      | 1       | 49        | 21.33                         | 21.10                            | 21.37                          |
| 10              | 16QAM      | 25      | 0         | 20.04                         | 19.99                            | 20.03                          |
| 10              | 16QAM      | 25      | 12        | 20.25                         | 20.10                            | 20.09                          |
| 10              | 16QAM      | 25      | 25        | 20.12                         | 20.15                            | 20.17                          |
| 10              | 16QAM      | 50      | 0         | 20.10                         | 20.12                            | 20.08                          |
| 10              | 64QAM      | 1       | 0         | 20.20                         | 20.34                            | 20.29                          |
| 10              | 64QAM      | 1       | 25        | 20.23                         | 20.27                            | 20.17                          |
| 10              | 64QAM      | 1       | 49        | 20.33                         | 20.21                            | 20.03                          |
| 10              | 64QAM      | 25      | 0         | 20.18                         | 20.07                            | 20.07                          |
| 10              | 64QAM      | 25      | 12        | 20.01                         | 20.02                            | 20.09                          |
| 10              | 64QAM      | 25      | 25        | 20.14                         | 20.07                            | 20.12                          |
| 10              | 64QAM      | 50      | 0         | 20.06                         | 20.09                            | 20.08                          |



| 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         | 21.96                         | 22.01                            | 21.99                          |
| 5               | QPSK       | 1       | 12        | 21.95                         | 21.97                            | 21.90                          |
| 5               | QPSK       | 1       | 24        | 21.87                         | 21.94                            | 21.91                          |
| 5               | QPSK       | 12      | 0         | 21.04                         | 21.13                            | 21.02                          |
| 5               | QPSK       | 12      | 7         | 21.01                         | 20.95                            | 20.93                          |
| 5               | QPSK       | 12      | 13        | 20.98                         | 21.01                            | 20.94                          |
| 5               | QPSK       | 25      | 0         | 21.01                         | 21.02                            | 20.91                          |
| 5               | 16QAM      | 1       | 0         | 21.28                         | 21.19                            | 21.02                          |
| 5               | 16QAM      | 1       | 12        | 21.16                         | 21.25                            | 21.20                          |
| 5               | 16QAM      | 1       | 24        | 21.26                         | 21.03                            | 21.30                          |
| 5               | 16QAM      | 12      | 0         | 19.97                         | 19.92                            | 19.96                          |
| 5               | 16QAM      | 12      | 7         | 20.18                         | 20.03                            | 20.02                          |
| 5               | 16QAM      | 12      | 13        | 20.05                         | 20.08                            | 20.10                          |
| 5               | 16QAM      | 25      | 0         | 20.03                         | 20.05                            | 20.01                          |
| 5               | 64QAM      | 1       | 0         | 20.13                         | 20.27                            | 20.22                          |
| 5               | 64QAM      | 1       | 12        | 20.16                         | 20.20                            | 20.10                          |
| 5               | 64QAM      | 1       | 24        | 20.26                         | 20.14                            | 19.96                          |
| 5               | 64QAM      | 12      | 0         | 20.11                         | 20.00                            | 20.00                          |
| 5               | 64QAM      | 12      | 7         | 19.94                         | 19.95                            | 20.02                          |
| 5               | 64QAM      | 12      | 13        | 20.07                         | 20.00                            | 20.05                          |
| 5               | 64QAM      | 25      | 0         | 19.99                         | 20.02                            | 20.01                          |



| 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         | 21.89                         | 21.94                            | 21.92                          |
| 3               | QPSK       | 1       | 8         | 21.88                         | 21.90                            | 21.83                          |
| 3               | QPSK       | 1       | 14        | 21.80                         | 21.87                            | 21.84                          |
| 3               | QPSK       | 8       | 0         | 20.97                         | 21.06                            | 20.95                          |
| 3               | QPSK       | 8       | 4         | 20.94                         | 20.88                            | 20.86                          |
| 3               | QPSK       | 8       | 7         | 20.91                         | 20.94                            | 20.87                          |
| 3               | QPSK       | 15      | 0         | 20.94                         | 20.95                            | 20.84                          |
| 3               | 16QAM      | 1       | 0         | 21.21                         | 21.12                            | 20.95                          |
| 3               | 16QAM      | 1       | 8         | 21.09                         | 21.18                            | 21.13                          |
| 3               | 16QAM      | 1       | 14        | 21.19                         | 20.96                            | 21.23                          |
| 3               | 16QAM      | 8       | 0         | 19.90                         | 19.85                            | 19.89                          |
| 3               | 16QAM      | 8       | 4         | 20.11                         | 19.96                            | 19.95                          |
| 3               | 16QAM      | 8       | 7         | 19.98                         | 20.01                            | 20.03                          |
| 3               | 16QAM      | 15      | 0         | 19.96                         | 19.98                            | 19.94                          |
| 3               | 64QAM      | 1       | 0         | 20.06                         | 20.20                            | 20.15                          |
| 3               | 64QAM      | 1       | 8         | 20.09                         | 20.13                            | 20.03                          |
| 3               | 64QAM      | 1       | 14        | 20.19                         | 20.07                            | 19.89                          |
| 3               | 64QAM      | 8       | 0         | 20.04                         | 19.93                            | 19.93                          |
| 3               | 64QAM      | 8       | 4         | 19.87                         | 19.88                            | 19.95                          |
| 3               | 64QAM      | 8       | 7         | 20.00                         | 19.93                            | 19.98                          |
| 3               | 64QAM      | 15      | 0         | 19.92                         | 19.95                            | 19.94                          |



| 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         | 21.82                         | 21.87                            | 21.85                          |
| 1.4             | QPSK       | 1       | 3         | 21.81                         | 21.83                            | 21.76                          |
| 1.4             | QPSK       | 1       | 5         | 21.73                         | 21.80                            | 21.77                          |
| 1.4             | QPSK       | 3       | 0         | 20.90                         | 20.99                            | 20.88                          |
| 1.4             | QPSK       | 3       | 1         | 20.87                         | 20.81                            | 20.79                          |
| 1.4             | QPSK       | 3       | 3         | 20.84                         | 20.87                            | 20.80                          |
| 1.4             | QPSK       | 6       | 0         | 20.87                         | 20.88                            | 20.77                          |
| 1.4             | 16QAM      | 1       | 0         | 21.14                         | 21.05                            | 20.88                          |
| 1.4             | 16QAM      | 1       | 3         | 21.02                         | 21.11                            | 21.06                          |
| 1.4             | 16QAM      | 1       | 5         | 21.12                         | 20.89                            | 21.16                          |
| 1.4             | 16QAM      | 3       | 0         | 19.83                         | 19.78                            | 19.82                          |
| 1.4             | 16QAM      | 3       | 1         | 20.04                         | 19.89                            | 19.88                          |
| 1.4             | 16QAM      | 3       | 3         | 19.91                         | 19.94                            | 19.96                          |
| 1.4             | 16QAM      | 6       | 0         | 19.89                         | 19.91                            | 19.87                          |
| 1.4             | 64QAM      | 1       | 0         | 19.99                         | 20.13                            | 20.08                          |
| 1.4             | 64QAM      | 1       | 3         | 20.02                         | 20.06                            | 19.96                          |
| 1.4             | 64QAM      | 1       | 5         | 20.12                         | 20.00                            | 19.82                          |
| 1.4             | 64QAM      | 3       | 0         | 19.97                         | 19.86                            | 19.86                          |
| 1.4             | 64QAM      | 3       | 1         | 19.80                         | 19.81                            | 19.88                          |
| 1.4             | 64QAM      | 3       | 3         | 19.93                         | 19.86                            | 19.91                          |
| 1.4             | 64QAM      | 6       | 0         | 19.85                         | 19.88                            | 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         |            |            |              | 20050                               | 20175                                  | 20300                                |
| Frequency (MHz) |            |            |              | 1720                                | 1732.5                                 | 1745                                 |
| 20              | QPSK       | 1          | 0            | 22.98                               | 23.03                                  | 22.96                                |
| 20              | QPSK       | 1          | 49           | 22.92                               | 22.93                                  | 22.94                                |
| 20              | QPSK       | 1          | 99           | 22.84                               | 22.86                                  | 22.89                                |
| 20              | QPSK       | 50         | 0            | 21.89                               | 21.92                                  | 21.90                                |
| 20              | QPSK       | 50         | 24           | 21.85                               | 21.88                                  | 21.89                                |
| 20              | QPSK       | 50         | 50           | 21.82                               | 21.85                                  | 21.91                                |
| 20              | QPSK       | 100        | 0            | 21.79                               | 21.88                                  | 21.83                                |
| 20              | 16QAM      | 1          | 0            | 21.52                               | 21.77                                  | 21.83                                |
| 20              | 16QAM      | 1          | 49           | 21.77                               | 21.83                                  | 21.68                                |
| 20              | 16QAM      | 1          | 99           | 21.84                               | 21.83                                  | 21.94                                |
| 20              | 16QAM      | 50         | 0            | 20.90                               | 20.86                                  | 20.91                                |
| 20              | 16QAM      | 50         | 24           | 20.93                               | 20.82                                  | 20.86                                |
| 20              | 16QAM      | 50         | 50           | 20.98                               | 20.84                                  | 20.85                                |
| 20              | 16QAM      | 100        | 0            | 20.90                               | 20.89                                  | 20.87                                |
| 20              | 64QAM      | 1          | 0            | 21.02                               | 20.96                                  | 21.00                                |
| 20              | 64QAM      | 1          | 49           | 20.82                               | 20.84                                  | 21.00                                |
| 20              | 64QAM      | 1          | 99           | 20.92                               | 20.93                                  | 21.04                                |
| 20              | 64QAM      | 50         | 0            | 20.84                               | 20.81                                  | 20.82                                |
| 20              | 64QAM      | 50         | 24           | 20.83                               | 20.85                                  | 20.98                                |
| 20              | 64QAM      | 50         | 50           | 20.87                               | 20.84                                  | 21.02                                |
| 20              | 64QAM      | 100        | 0            | 20.85                               | 20.82                                  | 20.93                                |



| 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            | 22.86                               | 22.88                                  | 22.80                                |
| 15              | QPSK       | 1          | 37           | 22.79                               | 22.80                                  | 22.81                                |
| 15              | QPSK       | 1          | 74           | 22.71                               | 22.73                                  | 22.76                                |
| 15              | QPSK       | 36         | 0            | 21.76                               | 21.79                                  | 21.77                                |
| 15              | QPSK       | 36         | 20           | 21.72                               | 21.75                                  | 21.76                                |
| 15              | QPSK       | 36         | 39           | 21.69                               | 21.72                                  | 21.78                                |
| 15              | QPSK       | 75         | 0            | 21.66                               | 21.75                                  | 21.70                                |
| 15              | 16QAM      | 1          | 0            | 21.39                               | 21.64                                  | 21.70                                |
| 15              | 16QAM      | 1          | 37           | 21.64                               | 21.70                                  | 21.55                                |
| 15              | 16QAM      | 1          | 74           | 21.71                               | 21.70                                  | 21.81                                |
| 15              | 16QAM      | 36         | 0            | 20.77                               | 20.73                                  | 20.78                                |
| 15              | 16QAM      | 36         | 20           | 20.80                               | 20.69                                  | 20.73                                |
| 15              | 16QAM      | 36         | 39           | 20.85                               | 20.71                                  | 20.72                                |
| 15              | 16QAM      | 75         | 0            | 20.77                               | 20.76                                  | 20.74                                |
| 15              | 64QAM      | 1          | 0            | 20.89                               | 20.83                                  | 20.87                                |
| 15              | 64QAM      | 1          | 37           | 20.69                               | 20.71                                  | 20.87                                |
| 15              | 64QAM      | 1          | 74           | 20.79                               | 20.80                                  | 20.91                                |
| 15              | 64QAM      | 36         | 0            | 20.71                               | 20.68                                  | 20.69                                |
| 15              | 64QAM      | 36         | 20           | 20.70                               | 20.72                                  | 20.85                                |
| 15              | 64QAM      | 36         | 39           | 20.74                               | 20.71                                  | 20.89                                |
| 15              | 64QAM      | 75         | 0            | 20.72                               | 20.69                                  | 20.80                                |



| LTE Band 4      |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 20000                               | 20175                                  | 20350                                |
| Frequency (MHz) |            |            |              | 1715                                | 1732.5                                 | 1750                                 |
| 10              | QPSK       | 1          | 0            | 22.79                               | 22.81                                  | 22.73                                |
| 10              | QPSK       | 1          | 25           | 22.72                               | 22.73                                  | 22.74                                |
| 10              | QPSK       | 1          | 49           | 22.64                               | 22.66                                  | 22.69                                |
| 10              | QPSK       | 25         | 0            | 21.69                               | 21.72                                  | 21.70                                |
| 10              | QPSK       | 25         | 12           | 21.65                               | 21.68                                  | 21.69                                |
| 10              | QPSK       | 25         | 25           | 21.62                               | 21.65                                  | 21.71                                |
| 10              | QPSK       | 50         | 0            | 21.59                               | 21.68                                  | 21.63                                |
| 10              | 16QAM      | 1          | 0            | 21.32                               | 21.57                                  | 21.63                                |
| 10              | 16QAM      | 1          | 25           | 21.57                               | 21.63                                  | 21.48                                |
| 10              | 16QAM      | 1          | 49           | 21.64                               | 21.63                                  | 21.74                                |
| 10              | 16QAM      | 25         | 0            | 20.70                               | 20.66                                  | 20.71                                |
| 10              | 16QAM      | 25         | 12           | 20.73                               | 20.62                                  | 20.66                                |
| 10              | 16QAM      | 25         | 25           | 20.78                               | 20.64                                  | 20.65                                |
| 10              | 16QAM      | 50         | 0            | 20.70                               | 20.69                                  | 20.67                                |
| 10              | 64QAM      | 1          | 0            | 20.82                               | 20.76                                  | 20.80                                |
| 10              | 64QAM      | 1          | 25           | 20.62                               | 20.64                                  | 20.80                                |
| 10              | 64QAM      | 1          | 49           | 20.72                               | 20.73                                  | 20.84                                |
| 10              | 64QAM      | 25         | 0            | 20.64                               | 20.61                                  | 20.62                                |
| 10              | 64QAM      | 25         | 12           | 20.63                               | 20.65                                  | 20.78                                |
| 10              | 64QAM      | 25         | 25           | 20.67                               | 20.64                                  | 20.82                                |
| 10              | 64QAM      | 50         | 0            | 20.65                               | 20.62                                  | 20.73                                |



| 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            | 22.72                               | 22.74                                  | 22.66                                |
| 5               | QPSK       | 1          | 12           | 22.65                               | 22.66                                  | 22.67                                |
| 5               | QPSK       | 1          | 24           | 22.57                               | 22.59                                  | 22.62                                |
| 5               | QPSK       | 12         | 0            | 21.62                               | 21.65                                  | 21.63                                |
| 5               | QPSK       | 12         | 7            | 21.58                               | 21.61                                  | 21.62                                |
| 5               | QPSK       | 12         | 13           | 21.55                               | 21.58                                  | 21.64                                |
| 5               | QPSK       | 25         | 0            | 21.52                               | 21.61                                  | 21.56                                |
| 5               | 16QAM      | 1          | 0            | 21.25                               | 21.50                                  | 21.56                                |
| 5               | 16QAM      | 1          | 12           | 21.50                               | 21.56                                  | 21.41                                |
| 5               | 16QAM      | 1          | 24           | 21.57                               | 21.56                                  | 21.67                                |
| 5               | 16QAM      | 12         | 0            | 20.63                               | 20.59                                  | 20.64                                |
| 5               | 16QAM      | 12         | 7            | 20.66                               | 20.55                                  | 20.59                                |
| 5               | 16QAM      | 12         | 13           | 20.71                               | 20.57                                  | 20.58                                |
| 5               | 16QAM      | 25         | 0            | 20.63                               | 20.62                                  | 20.60                                |
| 5               | 64QAM      | 1          | 0            | 20.75                               | 20.69                                  | 20.73                                |
| 5               | 64QAM      | 1          | 12           | 20.55                               | 20.57                                  | 20.73                                |
| 5               | 64QAM      | 1          | 24           | 20.65                               | 20.66                                  | 20.77                                |
| 5               | 64QAM      | 12         | 0            | 20.57                               | 20.54                                  | 20.55                                |
| 5               | 64QAM      | 12         | 7            | 20.56                               | 20.58                                  | 20.71                                |
| 5               | 64QAM      | 12         | 13           | 20.60                               | 20.57                                  | 20.75                                |
| 5               | 64QAM      | 25         | 0            | 20.58                               | 20.55                                  | 20.66                                |



| 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            | 22.65                               | 22.67                                  | 22.59                                |
| 3               | QPSK       | 1          | 8            | 22.58                               | 22.59                                  | 22.60                                |
| 3               | QPSK       | 1          | 14           | 22.50                               | 22.52                                  | 22.55                                |
| 3               | QPSK       | 8          | 0            | 21.55                               | 21.58                                  | 21.56                                |
| 3               | QPSK       | 8          | 4            | 21.51                               | 21.54                                  | 21.55                                |
| 3               | QPSK       | 8          | 7            | 21.48                               | 21.51                                  | 21.57                                |
| 3               | QPSK       | 15         | 0            | 21.45                               | 21.54                                  | 21.49                                |
| 3               | 16QAM      | 1          | 0            | 21.18                               | 21.43                                  | 21.49                                |
| 3               | 16QAM      | 1          | 8            | 21.43                               | 21.49                                  | 21.34                                |
| 3               | 16QAM      | 1          | 14           | 21.50                               | 21.49                                  | 21.60                                |
| 3               | 16QAM      | 8          | 0            | 20.56                               | 20.52                                  | 20.57                                |
| 3               | 16QAM      | 8          | 4            | 20.59                               | 20.48                                  | 20.52                                |
| 3               | 16QAM      | 8          | 7            | 20.64                               | 20.50                                  | 20.51                                |
| 3               | 16QAM      | 15         | 0            | 20.56                               | 20.55                                  | 20.53                                |
| 3               | 64QAM      | 1          | 0            | 20.68                               | 20.62                                  | 20.66                                |
| 3               | 64QAM      | 1          | 8            | 20.48                               | 20.50                                  | 20.66                                |
| 3               | 64QAM      | 1          | 14           | 20.58                               | 20.59                                  | 20.70                                |
| 3               | 64QAM      | 8          | 0            | 20.50                               | 20.47                                  | 20.48                                |
| 3               | 64QAM      | 8          | 4            | 20.49                               | 20.51                                  | 20.64                                |
| 3               | 64QAM      | 8          | 7            | 20.53                               | 20.50                                  | 20.68                                |
| 3               | 64QAM      | 15         | 0            | 20.51                               | 20.48                                  | 20.59                                |



| 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            | 22.58                               | 22.60                                  | 22.52                                |
| 1.4             | QPSK       | 1          | 3            | 22.51                               | 22.52                                  | 22.53                                |
| 1.4             | QPSK       | 1          | 5            | 22.43                               | 22.45                                  | 22.48                                |
| 1.4             | QPSK       | 3          | 0            | 21.48                               | 21.51                                  | 21.49                                |
| 1.4             | QPSK       | 3          | 1            | 21.44                               | 21.47                                  | 21.48                                |
| 1.4             | QPSK       | 3          | 3            | 21.41                               | 21.44                                  | 21.50                                |
| 1.4             | QPSK       | 6          | 0            | 21.38                               | 21.47                                  | 21.42                                |
| 1.4             | 16QAM      | 1          | 0            | 21.11                               | 21.36                                  | 21.42                                |
| 1.4             | 16QAM      | 1          | 3            | 21.36                               | 21.42                                  | 21.27                                |
| 1.4             | 16QAM      | 1          | 5            | 21.43                               | 21.42                                  | 21.53                                |
| 1.4             | 16QAM      | 3          | 0            | 20.49                               | 20.45                                  | 20.50                                |
| 1.4             | 16QAM      | 3          | 1            | 20.52                               | 20.41                                  | 20.45                                |
| 1.4             | 16QAM      | 3          | 3            | 20.57                               | 20.43                                  | 20.44                                |
| 1.4             | 16QAM      | 6          | 0            | 20.49                               | 20.48                                  | 20.46                                |
| 1.4             | 64QAM      | 1          | 0            | 20.61                               | 20.55                                  | 20.59                                |
| 1.4             | 64QAM      | 1          | 3            | 20.41                               | 20.43                                  | 20.59                                |
| 1.4             | 64QAM      | 1          | 5            | 20.51                               | 20.52                                  | 20.63                                |
| 1.4             | 64QAM      | 3          | 0            | 20.43                               | 20.40                                  | 20.41                                |
| 1.4             | 64QAM      | 3          | 1            | 20.42                               | 20.44                                  | 20.57                                |
| 1.4             | 64QAM      | 3          | 3            | 20.46                               | 20.43                                  | 20.61                                |
| 1.4             | 64QAM      | 6          | 0            | 20.44                               | 20.41                                  | 20.52                                |



| 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            | 22.67                               | 22.72                                  | 22.70                                |
| 10              | QPSK       | 1       | 25           | 22.62                               | 22.63                                  | 22.64                                |
| 10              | QPSK       | 1       | 49           | 22.54                               | 22.56                                  | 22.59                                |
| 10              | QPSK       | 25      | 0            | 21.65                               | 21.67                                  | 21.62                                |
| 10              | QPSK       | 25      | 12           | 21.62                               | 21.65                                  | 21.66                                |
| 10              | QPSK       | 25      | 25           | 21.59                               | 21.62                                  | 21.68                                |
| 10              | QPSK       | 50      | 0            | 21.56                               | 21.65                                  | 21.60                                |
| 10              | 16QAM      | 1       | 0            | 21.29                               | 21.54                                  | 21.60                                |
| 10              | 16QAM      | 1       | 25           | 21.54                               | 21.60                                  | 21.45                                |
| 10              | 16QAM      | 1       | 49           | 21.61                               | 21.60                                  | 21.71                                |
| 10              | 16QAM      | 25      | 0            | 20.67                               | 20.63                                  | 20.68                                |
| 10              | 16QAM      | 25      | 12           | 20.70                               | 20.59                                  | 20.63                                |
| 10              | 16QAM      | 25      | 25           | 20.75                               | 20.61                                  | 20.62                                |
| 10              | 16QAM      | 50      | 0            | 20.67                               | 20.66                                  | 20.64                                |
| 10              | 64QAM      | 1       | 0            | 20.79                               | 20.73                                  | 20.77                                |
| 10              | 64QAM      | 1       | 25           | 20.59                               | 20.61                                  | 20.77                                |
| 10              | 64QAM      | 1       | 49           | 20.69                               | 20.70                                  | 20.81                                |
| 10              | 64QAM      | 25      | 0            | 20.61                               | 20.58                                  | 20.59                                |
| 10              | 64QAM      | 25      | 12           | 20.60                               | 20.62                                  | 20.75                                |
| 10              | 64QAM      | 25      | 25           | 20.64                               | 20.61                                  | 20.79                                |
| 10              | 64QAM      | 50      | 0            | 20.62                               | 20.59                                  | 20.70                                |



| 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            | 22.63                               | 22.65                                  | 22.61                                |
| 5               | QPSK       | 1       | 12           | 22.58                               | 22.59                                  | 22.60                                |
| 5               | QPSK       | 1       | 24           | 22.50                               | 22.52                                  | 22.55                                |
| 5               | QPSK       | 12      | 0            | 21.61                               | 21.63                                  | 21.58                                |
| 5               | QPSK       | 12      | 7            | 21.58                               | 21.61                                  | 21.62                                |
| 5               | QPSK       | 12      | 13           | 21.55                               | 21.58                                  | 21.64                                |
| 5               | QPSK       | 25      | 0            | 21.52                               | 21.61                                  | 21.56                                |
| 5               | 16QAM      | 1       | 0            | 21.25                               | 21.50                                  | 21.56                                |
| 5               | 16QAM      | 1       | 12           | 21.50                               | 21.56                                  | 21.41                                |
| 5               | 16QAM      | 1       | 24           | 21.57                               | 21.56                                  | 21.67                                |
| 5               | 16QAM      | 12      | 0            | 20.63                               | 20.59                                  | 20.64                                |
| 5               | 16QAM      | 12      | 7            | 20.66                               | 20.55                                  | 20.59                                |
| 5               | 16QAM      | 12      | 13           | 20.71                               | 20.57                                  | 20.58                                |
| 5               | 16QAM      | 25      | 0            | 20.63                               | 20.62                                  | 20.60                                |
| 5               | 64QAM      | 1       | 0            | 20.75                               | 20.69                                  | 20.73                                |
| 5               | 64QAM      | 1       | 12           | 20.55                               | 20.57                                  | 20.73                                |
| 5               | 64QAM      | 1       | 24           | 20.65                               | 20.66                                  | 20.77                                |
| 5               | 64QAM      | 12      | 0            | 20.57                               | 20.54                                  | 20.55                                |
| 5               | 64QAM      | 12      | 7            | 20.56                               | 20.58                                  | 20.71                                |
| 5               | 64QAM      | 12      | 13           | 20.60                               | 20.57                                  | 20.75                                |
| 5               | 64QAM      | 25      | 0            | 20.58                               | 20.55                                  | 20.66                                |



| 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            | 22.55                               | 22.57                                  | 22.53                                |
| 3               | QPSK       | 1       | 8            | 22.50                               | 22.51                                  | 22.52                                |
| 3               | QPSK       | 1       | 14           | 22.42                               | 22.44                                  | 22.47                                |
| 3               | QPSK       | 8       | 0            | 21.53                               | 21.55                                  | 21.50                                |
| 3               | QPSK       | 8       | 4            | 21.50                               | 21.53                                  | 21.54                                |
| 3               | QPSK       | 8       | 7            | 21.47                               | 21.50                                  | 21.56                                |
| 3               | QPSK       | 15      | 0            | 21.44                               | 21.53                                  | 21.48                                |
| 3               | 16QAM      | 1       | 0            | 21.17                               | 21.42                                  | 21.48                                |
| 3               | 16QAM      | 1       | 8            | 21.42                               | 21.48                                  | 21.33                                |
| 3               | 16QAM      | 1       | 14           | 21.49                               | 21.48                                  | 21.59                                |
| 3               | 16QAM      | 8       | 0            | 20.55                               | 20.51                                  | 20.56                                |
| 3               | 16QAM      | 8       | 4            | 20.58                               | 20.47                                  | 20.51                                |
| 3               | 16QAM      | 8       | 7            | 20.63                               | 20.49                                  | 20.50                                |
| 3               | 16QAM      | 15      | 0            | 20.55                               | 20.54                                  | 20.52                                |
| 3               | 64QAM      | 1       | 0            | 20.67                               | 20.61                                  | 20.65                                |
| 3               | 64QAM      | 1       | 8            | 20.47                               | 20.49                                  | 20.65                                |
| 3               | 64QAM      | 1       | 14           | 20.57                               | 20.58                                  | 20.69                                |
| 3               | 64QAM      | 8       | 0            | 20.49                               | 20.46                                  | 20.47                                |
| 3               | 64QAM      | 8       | 4            | 20.48                               | 20.50                                  | 20.63                                |
| 3               | 64QAM      | 8       | 7            | 20.52                               | 20.49                                  | 20.67                                |
| 3               | 64QAM      | 15      | 0            | 20.50                               | 20.47                                  | 20.58                                |



| 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            | 22.46                               | 22.48                                  | 22.44                                |
| 1.4             | QPSK       | 1       | 3            | 22.41                               | 22.42                                  | 22.43                                |
| 1.4             | QPSK       | 1       | 5            | 22.33                               | 22.35                                  | 22.38                                |
| 1.4             | QPSK       | 3       | 0            | 21.44                               | 21.46                                  | 21.41                                |
| 1.4             | QPSK       | 3       | 1            | 21.41                               | 21.44                                  | 21.45                                |
| 1.4             | QPSK       | 3       | 3            | 21.38                               | 21.41                                  | 21.47                                |
| 1.4             | QPSK       | 6       | 0            | 21.35                               | 21.44                                  | 21.39                                |
| 1.4             | 16QAM      | 1       | 0            | 21.08                               | 21.33                                  | 21.39                                |
| 1.4             | 16QAM      | 1       | 3            | 21.33                               | 21.39                                  | 21.24                                |
| 1.4             | 16QAM      | 1       | 5            | 21.40                               | 21.39                                  | 21.50                                |
| 1.4             | 16QAM      | 3       | 0            | 20.46                               | 20.42                                  | 20.47                                |
| 1.4             | 16QAM      | 3       | 1            | 20.49                               | 20.38                                  | 20.42                                |
| 1.4             | 16QAM      | 3       | 3            | 20.54                               | 20.40                                  | 20.41                                |
| 1.4             | 16QAM      | 6       | 0            | 20.46                               | 20.45                                  | 20.43                                |
| 1.4             | 64QAM      | 1       | 0            | 20.58                               | 20.52                                  | 20.56                                |
| 1.4             | 64QAM      | 1       | 3            | 20.38                               | 20.40                                  | 20.56                                |
| 1.4             | 64QAM      | 1       | 5            | 20.48                               | 20.49                                  | 20.60                                |
| 1.4             | 64QAM      | 3       | 0            | 20.40                               | 20.37                                  | 20.38                                |
| 1.4             | 64QAM      | 3       | 1            | 20.39                               | 20.41                                  | 20.54                                |
| 1.4             | 64QAM      | 3       | 3            | 20.43                               | 20.40                                  | 20.58                                |
| 1.4             | 64QAM      | 6       | 0            | 20.41                               | 20.38                                  | 20.49                                |



| 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            | 22.99                               | 23.03                                  | 23.01                                |
| 10              | QPSK       | 1          | 25           | 22.91                               | 22.92                                  | 22.93                                |
| 10              | QPSK       | 1          | 49           | 22.83                               | 22.85                                  | 22.88                                |
| 10              | QPSK       | 25         | 0            | 22.00                               | 22.07                                  | 22.02                                |
| 10              | QPSK       | 25         | 12           | 21.94                               | 21.97                                  | 21.98                                |
| 10              | QPSK       | 25         | 25           | 21.91                               | 21.94                                  | 22.00                                |
| 10              | QPSK       | 50         | 0            | 21.88                               | 21.97                                  | 21.92                                |
| 10              | 16QAM      | 1          | 0            | 21.61                               | 21.86                                  | 21.92                                |
| 10              | 16QAM      | 1          | 25           | 21.86                               | 21.92                                  | 21.77                                |
| 10              | 16QAM      | 1          | 49           | 21.93                               | 21.92                                  | 22.03                                |
| 10              | 16QAM      | 25         | 0            | 20.99                               | 20.95                                  | 21.00                                |
| 10              | 16QAM      | 25         | 12           | 21.02                               | 20.91                                  | 20.95                                |
| 10              | 16QAM      | 25         | 25           | 21.07                               | 20.93                                  | 20.94                                |
| 10              | 16QAM      | 50         | 0            | 20.99                               | 20.98                                  | 20.96                                |
| 10              | 64QAM      | 1          | 0            | 21.11                               | 21.05                                  | 21.09                                |
| 10              | 64QAM      | 1          | 25           | 20.91                               | 20.93                                  | 21.09                                |
| 10              | 64QAM      | 1          | 49           | 21.01                               | 21.02                                  | 21.13                                |
| 10              | 64QAM      | 25         | 0            | 20.93                               | 20.90                                  | 20.91                                |
| 10              | 64QAM      | 25         | 12           | 20.92                               | 20.94                                  | 21.07                                |
| 10              | 64QAM      | 25         | 25           | 20.96                               | 20.93                                  | 21.11                                |
| 10              | 64QAM      | 50         | 0            | 20.94                               | 20.91                                  | 21.02                                |



| 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            | 22.85                               | 22.88                                  | 22.80                                |
| 5               | QPSK       | 1          | 12           | 22.83                               | 22.84                                  | 22.85                                |
| 5               | QPSK       | 1          | 24           | 22.75                               | 22.77                                  | 22.80                                |
| 5               | QPSK       | 12         | 0            | 21.92                               | 21.99                                  | 21.94                                |
| 5               | QPSK       | 12         | 7            | 21.86                               | 21.89                                  | 21.90                                |
| 5               | QPSK       | 12         | 13           | 21.83                               | 21.86                                  | 21.92                                |
| 5               | QPSK       | 25         | 0            | 21.80                               | 21.89                                  | 21.84                                |
| 5               | 16QAM      | 1          | 0            | 21.53                               | 21.78                                  | 21.84                                |
| 5               | 16QAM      | 1          | 12           | 21.78                               | 21.84                                  | 21.69                                |
| 5               | 16QAM      | 1          | 24           | 21.85                               | 21.84                                  | 21.95                                |
| 5               | 16QAM      | 12         | 0            | 20.91                               | 20.87                                  | 20.92                                |
| 5               | 16QAM      | 12         | 7            | 20.94                               | 20.83                                  | 20.87                                |
| 5               | 16QAM      | 12         | 13           | 20.99                               | 20.85                                  | 20.86                                |
| 5               | 16QAM      | 25         | 0            | 20.91                               | 20.90                                  | 20.88                                |
| 5               | 64QAM      | 1          | 0            | 21.03                               | 20.97                                  | 21.01                                |
| 5               | 64QAM      | 1          | 12           | 20.83                               | 20.85                                  | 21.01                                |
| 5               | 64QAM      | 1          | 24           | 20.93                               | 20.94                                  | 21.05                                |
| 5               | 64QAM      | 12         | 0            | 20.85                               | 20.82                                  | 20.83                                |
| 5               | 64QAM      | 12         | 7            | 20.84                               | 20.86                                  | 20.99                                |
| 5               | 64QAM      | 12         | 13           | 20.88                               | 20.85                                  | 21.03                                |
| 5               | 64QAM      | 25         | 0            | 20.86                               | 20.83                                  | 20.94                                |



| 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            | 22.76                               | 22.79                                  | 22.71                                |
| 3               | QPSK       | 1          | 8            | 22.74                               | 22.75                                  | 22.76                                |
| 3               | QPSK       | 1          | 14           | 22.66                               | 22.68                                  | 22.71                                |
| 3               | QPSK       | 8          | 0            | 21.83                               | 21.90                                  | 21.85                                |
| 3               | QPSK       | 8          | 4            | 21.77                               | 21.80                                  | 21.81                                |
| 3               | QPSK       | 8          | 7            | 21.74                               | 21.77                                  | 21.83                                |
| 3               | QPSK       | 15         | 0            | 21.71                               | 21.80                                  | 21.75                                |
| 3               | 16QAM      | 1          | 0            | 21.44                               | 21.69                                  | 21.75                                |
| 3               | 16QAM      | 1          | 8            | 21.69                               | 21.75                                  | 21.60                                |
| 3               | 16QAM      | 1          | 14           | 21.76                               | 21.75                                  | 21.86                                |
| 3               | 16QAM      | 8          | 0            | 20.82                               | 20.78                                  | 20.83                                |
| 3               | 16QAM      | 8          | 4            | 20.85                               | 20.74                                  | 20.78                                |
| 3               | 16QAM      | 8          | 7            | 20.90                               | 20.76                                  | 20.77                                |
| 3               | 16QAM      | 15         | 0            | 20.82                               | 20.81                                  | 20.79                                |
| 3               | 64QAM      | 1          | 0            | 20.94                               | 20.88                                  | 20.92                                |
| 3               | 64QAM      | 1          | 8            | 20.74                               | 20.76                                  | 20.92                                |
| 3               | 64QAM      | 1          | 14           | 20.84                               | 20.85                                  | 20.96                                |
| 3               | 64QAM      | 8          | 0            | 20.76                               | 20.73                                  | 20.74                                |
| 3               | 64QAM      | 8          | 4            | 20.75                               | 20.77                                  | 20.90                                |
| 3               | 64QAM      | 8          | 7            | 20.79                               | 20.76                                  | 20.94                                |
| 3               | 64QAM      | 15         | 0            | 20.77                               | 20.74                                  | 20.85                                |



| 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            | 22.67                               | 22.70                                  | 22.62                                |
| 1.4             | QPSK       | 1          | 3            | 22.65                               | 22.66                                  | 22.67                                |
| 1.4             | QPSK       | 1          | 5            | 22.57                               | 22.59                                  | 22.62                                |
| 1.4             | QPSK       | 3          | 0            | 21.74                               | 21.81                                  | 21.76                                |
| 1.4             | QPSK       | 3          | 1            | 21.68                               | 21.71                                  | 21.72                                |
| 1.4             | QPSK       | 3          | 3            | 21.65                               | 21.68                                  | 21.74                                |
| 1.4             | QPSK       | 6          | 0            | 21.62                               | 21.71                                  | 21.66                                |
| 1.4             | 16QAM      | 1          | 0            | 21.35                               | 21.60                                  | 21.66                                |
| 1.4             | 16QAM      | 1          | 3            | 21.60                               | 21.66                                  | 21.51                                |
| 1.4             | 16QAM      | 1          | 5            | 21.67                               | 21.66                                  | 21.77                                |
| 1.4             | 16QAM      | 3          | 0            | 20.73                               | 20.69                                  | 20.74                                |
| 1.4             | 16QAM      | 3          | 1            | 20.76                               | 20.65                                  | 20.69                                |
| 1.4             | 16QAM      | 3          | 3            | 20.81                               | 20.67                                  | 20.68                                |
| 1.4             | 16QAM      | 6          | 0            | 20.73                               | 20.72                                  | 20.70                                |
| 1.4             | 64QAM      | 1          | 0            | 20.85                               | 20.79                                  | 20.83                                |
| 1.4             | 64QAM      | 1          | 3            | 20.65                               | 20.67                                  | 20.83                                |
| 1.4             | 64QAM      | 1          | 5            | 20.75                               | 20.76                                  | 20.87                                |
| 1.4             | 64QAM      | 3          | 0            | 20.67                               | 20.64                                  | 20.65                                |
| 1.4             | 64QAM      | 3          | 1            | 20.66                               | 20.68                                  | 20.81                                |
| 1.4             | 64QAM      | 3          | 3            | 20.70                               | 20.67                                  | 20.85                                |
| 1.4             | 64QAM      | 6          | 0            | 20.68                               | 20.65                                  | 20.76                                |



| LTE Band 13     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | /                                   | 23230                                  | /                                    |
| Frequency (MHz) |            |            |              | /                                   | 782                                    | /                                    |
| 10              | QPSK       | 1          | 0            | /                                   | 22.95                                  | /                                    |
| 10              | QPSK       | 1          | 25           | /                                   | 22.90                                  | /                                    |
| 10              | QPSK       | 1          | 49           | /                                   | 22.85                                  | /                                    |
| 10              | QPSK       | 25         | 0            | /                                   | 21.78                                  | /                                    |
| 10              | QPSK       | 25         | 12           | /                                   | 21.74                                  | /                                    |
| 10              | QPSK       | 25         | 25           | /                                   | 21.75                                  | /                                    |
| 10              | QPSK       | 50         | 0            | /                                   | 21.76                                  | /                                    |
| 10              | 16QAM      | 1          | 0            | /                                   | 21.91                                  | /                                    |
| 10              | 16QAM      | 1          | 25           | /                                   | 21.88                                  | /                                    |
| 10              | 16QAM      | 1          | 49           | /                                   | 21.99                                  | /                                    |
| 10              | 16QAM      | 25         | 0            | /                                   | 20.85                                  | /                                    |
| 10              | 16QAM      | 25         | 12           | /                                   | 20.85                                  | /                                    |
| 10              | 16QAM      | 25         | 25           | /                                   | 20.77                                  | /                                    |
| 10              | 16QAM      | 50         | 0            | /                                   | 20.81                                  | /                                    |
| 10              | 64QAM      | 1          | 0            | /                                   | 20.93                                  | /                                    |
| 10              | 64QAM      | 1          | 25           | /                                   | 21.02                                  | /                                    |
| 10              | 64QAM      | 1          | 49           | /                                   | 20.96                                  | /                                    |
| 10              | 64QAM      | 25         | 0            | /                                   | 20.83                                  | /                                    |
| 10              | 64QAM      | 25         | 12           | /                                   | 20.80                                  | /                                    |
| 10              | 64QAM      | 25         | 25           | /                                   | 20.84                                  | /                                    |
| 10              | 64QAM      | 50         | 0            | /                                   | 20.75                                  | /                                    |



| LTE Band 13     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 23205                               | 23230                                  | 23255                                |
| Frequency (MHz) |            |            |              | 779.5                               | 782                                    | 784.5                                |
| 5               | QPSK       | 1          | 0            | 22.78                               | 22.86                                  | 22.80                                |
| 5               | QPSK       | 1          | 12           | 22.70                               | 22.66                                  | 22.72                                |
| 5               | QPSK       | 1          | 24           | 22.57                               | 22.54                                  | 22.63                                |
| 5               | QPSK       | 12         | 0            | 21.80                               | 21.76                                  | 21.77                                |
| 5               | QPSK       | 12         | 7            | 21.75                               | 21.72                                  | 21.75                                |
| 5               | QPSK       | 12         | 13           | 21.74                               | 21.72                                  | 21.66                                |
| 5               | QPSK       | 25         | 0            | 21.66                               | 21.72                                  | 21.66                                |
| 5               | 16QAM      | 1          | 0            | 21.89                               | 21.90                                  | 21.89                                |
| 5               | 16QAM      | 1          | 12           | 21.80                               | 21.86                                  | 21.80                                |
| 5               | 16QAM      | 1          | 24           | 21.93                               | 21.90                                  | 21.91                                |
| 5               | 16QAM      | 12         | 0            | 20.80                               | 20.81                                  | 20.83                                |
| 5               | 16QAM      | 12         | 7            | 20.76                               | 20.77                                  | 20.79                                |
| 5               | 16QAM      | 12         | 13           | 20.69                               | 20.72                                  | 20.75                                |
| 5               | 16QAM      | 25         | 0            | 20.78                               | 20.71                                  | 20.78                                |
| 5               | 64QAM      | 1          | 0            | 20.91                               | 20.85                                  | 20.91                                |
| 5               | 64QAM      | 1          | 12           | 20.93                               | 20.98                                  | 21.00                                |
| 5               | 64QAM      | 1          | 24           | 20.86                               | 20.89                                  | 20.86                                |
| 5               | 64QAM      | 12         | 0            | 20.82                               | 20.82                                  | 20.73                                |
| 5               | 64QAM      | 12         | 7            | 20.75                               | 20.70                                  | 20.77                                |
| 5               | 64QAM      | 12         | 13           | 20.82                               | 20.80                                  | 20.77                                |
| 5               | 64QAM      | 25         | 0            | 20.69                               | 20.72                                  | 20.71                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 132072                              | 132322                                 | 132572                               |
| Frequency (MHz) |            |            |              | 1720                                | 1745                                   | 1770                                 |
| 20              | QPSK       | 1          | 0            | 22.92                               | 23.00                                  | 22.96                                |
| 20              | QPSK       | 1          | 49           | 22.86                               | 22.92                                  | 22.81                                |
| 20              | QPSK       | 1          | 99           | 22.84                               | 22.88                                  | 22.89                                |
| 20              | QPSK       | 50         | 0            | 21.90                               | 21.95                                  | 21.87                                |
| 20              | QPSK       | 50         | 24           | 21.81                               | 21.89                                  | 21.88                                |
| 20              | QPSK       | 50         | 50           | 21.90                               | 21.85                                  | 21.87                                |
| 20              | QPSK       | 100        | 0            | 21.86                               | 21.91                                  | 21.88                                |
| 20              | 16QAM      | 1          | 0            | 22.16                               | 22.11                                  | 22.13                                |
| 20              | 16QAM      | 1          | 49           | 22.03                               | 22.12                                  | 21.89                                |
| 20              | 16QAM      | 1          | 99           | 21.97                               | 22.04                                  | 22.12                                |
| 20              | 16QAM      | 50         | 0            | 20.83                               | 20.76                                  | 20.75                                |
| 20              | 16QAM      | 50         | 24           | 20.95                               | 20.90                                  | 20.78                                |
| 20              | 16QAM      | 50         | 50           | 20.88                               | 20.87                                  | 20.84                                |
| 20              | 16QAM      | 100        | 0            | 20.89                               | 20.86                                  | 20.76                                |
| 20              | 64QAM      | 1          | 0            | 21.12                               | 21.09                                  | 21.10                                |
| 20              | 64QAM      | 1          | 49           | 21.00                               | 21.10                                  | 20.84                                |
| 20              | 64QAM      | 1          | 99           | 20.91                               | 21.04                                  | 21.05                                |
| 20              | 64QAM      | 50         | 0            | 20.80                               | 20.75                                  | 20.75                                |
| 20              | 64QAM      | 50         | 24           | 20.87                               | 20.85                                  | 20.77                                |
| 20              | 64QAM      | 50         | 50           | 20.80                               | 20.81                                  | 20.81                                |
| 20              | 64QAM      | 100        | 0            | 20.91                               | 20.80                                  | 20.69                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 132047                              | 132322                                 | 132597                               |
| Frequency (MHz) |            |            |              | 1717.5                              | 1745                                   | 1772.5                               |
| 15              | QPSK       | 1          | 0            | 22.81                               | 22.82                                  | 22.78                                |
| 15              | QPSK       | 1          | 37           | 22.76                               | 22.80                                  | 22.71                                |
| 15              | QPSK       | 1          | 74           | 22.74                               | 22.78                                  | 22.79                                |
| 15              | QPSK       | 36         | 0            | 21.80                               | 21.85                                  | 21.77                                |
| 15              | QPSK       | 36         | 20           | 21.71                               | 21.79                                  | 21.78                                |
| 15              | QPSK       | 36         | 39           | 21.80                               | 21.75                                  | 21.77                                |
| 15              | QPSK       | 75         | 0            | 21.76                               | 21.81                                  | 21.78                                |
| 15              | 16QAM      | 1          | 0            | 22.06                               | 22.01                                  | 22.03                                |
| 15              | 16QAM      | 1          | 37           | 21.93                               | 22.02                                  | 21.79                                |
| 15              | 16QAM      | 1          | 74           | 21.87                               | 21.94                                  | 22.02                                |
| 15              | 16QAM      | 36         | 0            | 20.73                               | 20.66                                  | 20.65                                |
| 15              | 16QAM      | 36         | 20           | 20.85                               | 20.80                                  | 20.68                                |
| 15              | 16QAM      | 36         | 39           | 20.78                               | 20.77                                  | 20.74                                |
| 15              | 16QAM      | 75         | 0            | 20.79                               | 20.76                                  | 20.66                                |
| 15              | 64QAM      | 1          | 0            | 21.02                               | 20.99                                  | 21.00                                |
| 15              | 64QAM      | 1          | 37           | 20.90                               | 21.00                                  | 20.74                                |
| 15              | 64QAM      | 1          | 74           | 20.81                               | 20.94                                  | 20.95                                |
| 15              | 64QAM      | 36         | 0            | 20.70                               | 20.65                                  | 20.65                                |
| 15              | 64QAM      | 36         | 20           | 20.77                               | 20.75                                  | 20.67                                |
| 15              | 64QAM      | 36         | 39           | 20.70                               | 20.71                                  | 20.71                                |
| 15              | 64QAM      | 75         | 0            | 20.81                               | 20.70                                  | 20.59                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 132022                              | 132322                                 | 132622                               |
| Frequency (MHz) |            |            |              | 1715                                | 1745                                   | 1775                                 |
| 10              | QPSK       | 1          | 0            | 22.73                               | 22.74                                  | 22.70                                |
| 10              | QPSK       | 1          | 25           | 22.68                               | 22.72                                  | 22.63                                |
| 10              | QPSK       | 1          | 49           | 22.66                               | 22.70                                  | 22.71                                |
| 10              | QPSK       | 25         | 0            | 21.72                               | 21.77                                  | 21.69                                |
| 10              | QPSK       | 25         | 12           | 21.63                               | 21.71                                  | 21.70                                |
| 10              | QPSK       | 25         | 25           | 21.72                               | 21.67                                  | 21.69                                |
| 10              | QPSK       | 50         | 0            | 21.68                               | 21.73                                  | 21.70                                |
| 10              | 16QAM      | 1          | 0            | 21.98                               | 21.93                                  | 21.95                                |
| 10              | 16QAM      | 1          | 25           | 21.85                               | 21.94                                  | 21.71                                |
| 10              | 16QAM      | 1          | 49           | 21.79                               | 21.86                                  | 21.94                                |
| 10              | 16QAM      | 25         | 0            | 20.65                               | 20.58                                  | 20.57                                |
| 10              | 16QAM      | 25         | 12           | 20.77                               | 20.72                                  | 20.60                                |
| 10              | 16QAM      | 25         | 25           | 20.70                               | 20.69                                  | 20.66                                |
| 10              | 16QAM      | 50         | 0            | 20.71                               | 20.68                                  | 20.58                                |
| 10              | 64QAM      | 1          | 0            | 20.94                               | 20.91                                  | 20.92                                |
| 10              | 64QAM      | 1          | 25           | 20.82                               | 20.92                                  | 20.66                                |
| 10              | 64QAM      | 1          | 49           | 20.73                               | 20.86                                  | 20.87                                |
| 10              | 64QAM      | 25         | 0            | 20.62                               | 20.57                                  | 20.57                                |
| 10              | 64QAM      | 25         | 12           | 20.69                               | 20.67                                  | 20.59                                |
| 10              | 64QAM      | 25         | 25           | 20.62                               | 20.63                                  | 20.63                                |
| 10              | 64QAM      | 50         | 0            | 20.73                               | 20.62                                  | 20.51                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 131997                              | 132322                                 | 132647                               |
| Frequency (MHz) |            |            |              | 1712.5                              | 1745                                   | 1777.5                               |
| 5               | QPSK       | 1          | 0            | 22.65                               | 22.66                                  | 22.62                                |
| 5               | QPSK       | 1          | 12           | 22.60                               | 22.64                                  | 22.55                                |
| 5               | QPSK       | 1          | 24           | 22.58                               | 22.62                                  | 22.63                                |
| 5               | QPSK       | 12         | 0            | 21.64                               | 21.69                                  | 21.61                                |
| 5               | QPSK       | 12         | 7            | 21.55                               | 21.63                                  | 21.62                                |
| 5               | QPSK       | 12         | 13           | 21.64                               | 21.59                                  | 21.61                                |
| 5               | QPSK       | 25         | 0            | 21.60                               | 21.65                                  | 21.62                                |
| 5               | 16QAM      | 1          | 0            | 21.90                               | 21.85                                  | 21.87                                |
| 5               | 16QAM      | 1          | 12           | 21.77                               | 21.86                                  | 21.63                                |
| 5               | 16QAM      | 1          | 24           | 21.71                               | 21.78                                  | 21.86                                |
| 5               | 16QAM      | 12         | 0            | 20.57                               | 20.50                                  | 20.49                                |
| 5               | 16QAM      | 12         | 7            | 20.69                               | 20.64                                  | 20.52                                |
| 5               | 16QAM      | 12         | 13           | 20.62                               | 20.61                                  | 20.58                                |
| 5               | 16QAM      | 25         | 0            | 20.63                               | 20.60                                  | 20.50                                |
| 5               | 64QAM      | 1          | 0            | 20.86                               | 20.83                                  | 20.84                                |
| 5               | 64QAM      | 1          | 12           | 20.74                               | 20.84                                  | 20.58                                |
| 5               | 64QAM      | 1          | 24           | 20.65                               | 20.78                                  | 20.79                                |
| 5               | 64QAM      | 12         | 0            | 20.54                               | 20.49                                  | 20.49                                |
| 5               | 64QAM      | 12         | 7            | 20.61                               | 20.59                                  | 20.51                                |
| 5               | 64QAM      | 12         | 13           | 20.54                               | 20.55                                  | 20.55                                |
| 5               | 64QAM      | 25         | 0            | 20.65                               | 20.54                                  | 20.43                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 131987                              | 132322                                 | 132657                               |
| Frequency (MHz) |            |            |              | 1711.5                              | 1745                                   | 1778.5                               |
| 3               | QPSK       | 1          | 0            | 22.57                               | 22.58                                  | 22.54                                |
| 3               | QPSK       | 1          | 8            | 22.52                               | 22.56                                  | 22.47                                |
| 3               | QPSK       | 1          | 14           | 22.50                               | 22.54                                  | 22.55                                |
| 3               | QPSK       | 8          | 0            | 21.56                               | 21.61                                  | 21.53                                |
| 3               | QPSK       | 8          | 4            | 21.47                               | 21.55                                  | 21.54                                |
| 3               | QPSK       | 8          | 7            | 21.56                               | 21.51                                  | 21.53                                |
| 3               | QPSK       | 15         | 0            | 21.52                               | 21.57                                  | 21.54                                |
| 3               | 16QAM      | 1          | 0            | 21.82                               | 21.77                                  | 21.79                                |
| 3               | 16QAM      | 1          | 8            | 21.69                               | 21.78                                  | 21.55                                |
| 3               | 16QAM      | 1          | 14           | 21.63                               | 21.70                                  | 21.78                                |
| 3               | 16QAM      | 8          | 0            | 20.49                               | 20.42                                  | 20.41                                |
| 3               | 16QAM      | 8          | 4            | 20.61                               | 20.56                                  | 20.44                                |
| 3               | 16QAM      | 8          | 7            | 20.54                               | 20.53                                  | 20.50                                |
| 3               | 16QAM      | 15         | 0            | 20.55                               | 20.52                                  | 20.42                                |
| 3               | 64QAM      | 1          | 0            | 20.78                               | 20.75                                  | 20.76                                |
| 3               | 64QAM      | 1          | 8            | 20.66                               | 20.76                                  | 20.50                                |
| 3               | 64QAM      | 1          | 14           | 20.57                               | 20.70                                  | 20.71                                |
| 3               | 64QAM      | 8          | 0            | 20.46                               | 20.41                                  | 20.41                                |
| 3               | 64QAM      | 8          | 4            | 20.53                               | 20.51                                  | 20.43                                |
| 3               | 64QAM      | 8          | 7            | 20.46                               | 20.47                                  | 20.47                                |
| 3               | 64QAM      | 15         | 0            | 20.57                               | 20.46                                  | 20.35                                |



| LTE Band 66     |            |            |              |                                     |                                        |                                      |
|-----------------|------------|------------|--------------|-------------------------------------|----------------------------------------|--------------------------------------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Average Power<br>Low<br>Ch. / Freq. | Average Power<br>Middle<br>Ch. / Freq. | Average Power<br>High<br>Ch. / Freq. |
| Channel         |            |            |              | 131979                              | 132322                                 | 132665                               |
| Frequency (MHz) |            |            |              | 1710.7                              | 1745                                   | 1779.3                               |
| 1.4             | QPSK       | 1          | 0            | 22.49                               | 22.50                                  | 22.46                                |
| 1.4             | QPSK       | 1          | 3            | 22.44                               | 22.48                                  | 22.39                                |
| 1.4             | QPSK       | 1          | 5            | 22.42                               | 22.46                                  | 22.47                                |
| 1.4             | QPSK       | 3          | 0            | 21.48                               | 21.53                                  | 21.45                                |
| 1.4             | QPSK       | 3          | 1            | 21.39                               | 21.47                                  | 21.46                                |
| 1.4             | QPSK       | 3          | 3            | 21.48                               | 21.43                                  | 21.45                                |
| 1.4             | QPSK       | 6          | 0            | 21.44                               | 21.49                                  | 21.46                                |
| 1.4             | 16QAM      | 1          | 0            | 21.74                               | 21.69                                  | 21.71                                |
| 1.4             | 16QAM      | 1          | 3            | 21.61                               | 21.70                                  | 21.47                                |
| 1.4             | 16QAM      | 1          | 5            | 21.55                               | 21.62                                  | 21.70                                |
| 1.4             | 16QAM      | 3          | 0            | 20.41                               | 20.34                                  | 20.33                                |
| 1.4             | 16QAM      | 3          | 1            | 20.53                               | 20.48                                  | 20.36                                |
| 1.4             | 16QAM      | 3          | 3            | 20.46                               | 20.45                                  | 20.42                                |
| 1.4             | 16QAM      | 6          | 0            | 20.47                               | 20.44                                  | 20.34                                |
| 1.4             | 64QAM      | 1          | 0            | 20.70                               | 20.67                                  | 20.68                                |
| 1.4             | 64QAM      | 1          | 3            | 20.58                               | 20.68                                  | 20.42                                |
| 1.4             | 64QAM      | 1          | 5            | 20.49                               | 20.62                                  | 20.63                                |
| 1.4             | 64QAM      | 3          | 0            | 20.38                               | 20.33                                  | 20.33                                |
| 1.4             | 64QAM      | 3          | 1            | 20.45                               | 20.43                                  | 20.35                                |
| 1.4             | 64QAM      | 3          | 3            | 20.38                               | 20.39                                  | 20.39                                |
| 1.4             | 64QAM      | 6          | 0            | 20.49                               | 20.38                                  | 20.27                                |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133222                        | 133322                           | 133372                         |
| Frequency (MHz) |            |         |           | 673                           | 683                              | 688                            |
| 20              | QPSK       | 1       | 0         | 23.02                         | 23.10                            | 23.05                          |
| 20              | QPSK       | 1       | 49        | 22.99                         | 22.95                            | 22.92                          |
| 20              | QPSK       | 1       | 99        | 22.87                         | 22.85                            | 22.78                          |
| 20              | QPSK       | 50      | 0         | 22.23                         | 22.34                            | 22.30                          |
| 20              | QPSK       | 50      | 24        | 22.19                         | 22.20                            | 22.06                          |
| 20              | QPSK       | 50      | 50        | 22.16                         | 22.09                            | 22.02                          |
| 20              | QPSK       | 100     | 0         | 22.19                         | 22.22                            | 22.09                          |
| 20              | 16QAM      | 1       | 0         | 22.09                         | 22.10                            | 21.98                          |
| 20              | 16QAM      | 1       | 49        | 21.99                         | 22.02                            | 22.06                          |
| 20              | 16QAM      | 1       | 99        | 21.91                         | 21.95                            | 21.92                          |
| 20              | 16QAM      | 50      | 0         | 20.96                         | 21.03                            | 20.84                          |
| 20              | 16QAM      | 50      | 24        | 21.04                         | 20.99                            | 21.01                          |
| 20              | 16QAM      | 50      | 50        | 20.86                         | 20.91                            | 20.84                          |
| 20              | 16QAM      | 100     | 0         | 20.95                         | 20.96                            | 20.90                          |
| 20              | 64QAM      | 1       | 0         | 21.00                         | 21.07                            | 20.98                          |
| 20              | 64QAM      | 1       | 49        | 20.82                         | 20.90                            | 20.93                          |
| 20              | 64QAM      | 1       | 99        | 20.89                         | 20.91                            | 20.92                          |
| 20              | 64QAM      | 50      | 0         | 20.88                         | 20.93                            | 20.88                          |
| 20              | 64QAM      | 50      | 24        | 20.92                         | 20.88                            | 20.84                          |
| 20              | 64QAM      | 50      | 50        | 20.79                         | 20.86                            | 20.73                          |
| 20              | 64QAM      | 100     | 0         | 20.71                         | 20.89                            | 20.75                          |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133197                        | 133297                           | 133397                         |
| Frequency (MHz) |            |         |           | 670.5                         | 680.5                            | 690.5                          |
| 15              | QPSK       | 1       | 0         | 22.59                         | 22.64                            | 22.60                          |
| 15              | QPSK       | 1       | 37        | 22.52                         | 22.48                            | 22.45                          |
| 15              | QPSK       | 1       | 74        | 22.40                         | 22.38                            | 22.31                          |
| 15              | QPSK       | 36      | 0         | 21.76                         | 21.87                            | 21.83                          |
| 15              | QPSK       | 36      | 20        | 21.72                         | 21.73                            | 21.59                          |
| 15              | QPSK       | 36      | 39        | 21.69                         | 21.62                            | 21.55                          |
| 15              | QPSK       | 75      | 0         | 21.72                         | 21.75                            | 21.62                          |
| 15              | 16QAM      | 1       | 0         | 21.62                         | 21.63                            | 21.51                          |
| 15              | 16QAM      | 1       | 37        | 21.52                         | 21.55                            | 21.59                          |
| 15              | 16QAM      | 1       | 74        | 21.44                         | 21.48                            | 21.45                          |
| 15              | 16QAM      | 36      | 0         | 20.49                         | 20.56                            | 20.37                          |
| 15              | 16QAM      | 36      | 20        | 20.57                         | 20.52                            | 20.54                          |
| 15              | 16QAM      | 36      | 39        | 20.39                         | 20.44                            | 20.37                          |
| 15              | 16QAM      | 75      | 0         | 20.48                         | 20.49                            | 20.43                          |
| 15              | 64QAM      | 1       | 0         | 20.53                         | 20.60                            | 20.51                          |
| 15              | 64QAM      | 1       | 37        | 20.35                         | 20.43                            | 20.46                          |
| 15              | 64QAM      | 1       | 74        | 20.42                         | 20.44                            | 20.45                          |
| 15              | 64QAM      | 36      | 0         | 20.41                         | 20.46                            | 20.41                          |
| 15              | 64QAM      | 36      | 20        | 20.45                         | 20.41                            | 20.37                          |
| 15              | 64QAM      | 36      | 39        | 20.32                         | 20.39                            | 20.26                          |
| 15              | 64QAM      | 75      | 0         | 20.24                         | 20.42                            | 20.28                          |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133172                        | 133272                           | 133422                         |
| Frequency (MHz) |            |         |           | 668                           | 678                              | 693                            |
| 10              | QPSK       | 1       | 0         | 22.51                         | 22.56                            | 22.52                          |
| 10              | QPSK       | 1       | 25        | 22.44                         | 22.40                            | 22.37                          |
| 10              | QPSK       | 1       | 49        | 22.32                         | 22.30                            | 22.23                          |
| 10              | QPSK       | 25      | 0         | 21.68                         | 21.79                            | 21.75                          |
| 10              | QPSK       | 25      | 12        | 21.64                         | 21.65                            | 21.51                          |
| 10              | QPSK       | 25      | 25        | 21.61                         | 21.54                            | 21.47                          |
| 10              | QPSK       | 50      | 0         | 21.64                         | 21.67                            | 21.54                          |
| 10              | 16QAM      | 1       | 0         | 21.54                         | 21.55                            | 21.43                          |
| 10              | 16QAM      | 1       | 25        | 21.44                         | 21.47                            | 21.51                          |
| 10              | 16QAM      | 1       | 49        | 21.36                         | 21.40                            | 21.37                          |
| 10              | 16QAM      | 25      | 0         | 20.41                         | 20.48                            | 20.29                          |
| 10              | 16QAM      | 25      | 12        | 20.49                         | 20.44                            | 20.46                          |
| 10              | 16QAM      | 25      | 25        | 20.31                         | 20.36                            | 20.29                          |
| 10              | 16QAM      | 50      | 0         | 20.40                         | 20.41                            | 20.35                          |
| 10              | 64QAM      | 1       | 0         | 20.45                         | 20.52                            | 20.43                          |
| 10              | 64QAM      | 1       | 25        | 20.27                         | 20.35                            | 20.38                          |
| 10              | 64QAM      | 1       | 49        | 20.34                         | 20.36                            | 20.37                          |
| 10              | 64QAM      | 25      | 0         | 20.33                         | 20.38                            | 20.33                          |
| 10              | 64QAM      | 25      | 12        | 20.37                         | 20.33                            | 20.29                          |
| 10              | 64QAM      | 25      | 25        | 20.24                         | 20.31                            | 20.18                          |
| 10              | 64QAM      | 50      | 0         | 20.16                         | 20.34                            | 20.20                          |



| LTE Band 71     |            |         |           |                               |                                  |                                |
|-----------------|------------|---------|-----------|-------------------------------|----------------------------------|--------------------------------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Average Power Low Ch. / Freq. | Average Power Middle Ch. / Freq. | Average Power High Ch. / Freq. |
| Channel         |            |         |           | 133147                        | 133247                           | 133447                         |
| Frequency (MHz) |            |         |           | 665.5                         | 675.5                            | 695.5                          |
| 5               | QPSK       | 1       | 0         | 22.43                         | 22.48                            | 22.44                          |
| 5               | QPSK       | 1       | 12        | 22.36                         | 22.32                            | 22.29                          |
| 5               | QPSK       | 1       | 24        | 22.24                         | 22.22                            | 22.15                          |
| 5               | QPSK       | 12      | 0         | 21.60                         | 21.71                            | 21.67                          |
| 5               | QPSK       | 12      | 7         | 21.56                         | 21.57                            | 21.43                          |
| 5               | QPSK       | 12      | 13        | 21.53                         | 21.46                            | 21.39                          |
| 5               | QPSK       | 25      | 0         | 21.56                         | 21.59                            | 21.46                          |
| 5               | 16QAM      | 1       | 0         | 21.46                         | 21.47                            | 21.35                          |
| 5               | 16QAM      | 1       | 12        | 21.36                         | 21.39                            | 21.43                          |
| 5               | 16QAM      | 1       | 24        | 21.28                         | 21.32                            | 21.29                          |
| 5               | 16QAM      | 12      | 0         | 20.33                         | 20.40                            | 20.21                          |
| 5               | 16QAM      | 12      | 7         | 20.41                         | 20.36                            | 20.38                          |
| 5               | 16QAM      | 12      | 13        | 20.23                         | 20.28                            | 20.21                          |
| 5               | 16QAM      | 25      | 0         | 20.32                         | 20.33                            | 20.27                          |
| 5               | 64QAM      | 1       | 0         | 20.37                         | 20.44                            | 20.35                          |
| 5               | 64QAM      | 1       | 12        | 20.19                         | 20.27                            | 20.30                          |
| 5               | 64QAM      | 1       | 24        | 20.26                         | 20.28                            | 20.29                          |
| 5               | 64QAM      | 12      | 0         | 20.25                         | 20.30                            | 20.25                          |
| 5               | 64QAM      | 12      | 7         | 20.29                         | 20.25                            | 20.21                          |
| 5               | 64QAM      | 12      | 13        | 20.16                         | 20.23                            | 20.10                          |
| 5               | 64QAM      | 25      | 0         | 20.08                         | 20.26                            | 20.12                          |

**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         | 22.15             | 0.164 | 22.20              | 0.166 | 22.12            | 0.163 |
| 20              | QPSK       | 1       | 49        | 22.14             | 0.164 | 22.16              | 0.164 | 22.09            | 0.162 |
| 20              | QPSK       | 1       | 99        | 22.06             | 0.161 | 22.13              | 0.163 | 22.10            | 0.162 |
| 20              | QPSK       | 50      | 0         | 21.23             | 0.133 | 21.32              | 0.136 | 21.21            | 0.132 |
| 20              | QPSK       | 50      | 24        | 21.20             | 0.132 | 21.14              | 0.130 | 21.12            | 0.129 |
| 20              | QPSK       | 50      | 50        | 21.17             | 0.131 | 21.20              | 0.132 | 21.13            | 0.130 |
| 20              | QPSK       | 100     | 0         | 21.20             | 0.132 | 21.21              | 0.132 | 21.10            | 0.129 |
| 20              | 16QAM      | 1       | 0         | 21.47             | 0.140 | 21.38              | 0.137 | 21.21            | 0.132 |
| 20              | 16QAM      | 1       | 49        | 21.35             | 0.136 | 21.44              | 0.139 | 21.39            | 0.138 |
| 20              | 16QAM      | 1       | 99        | 21.45             | 0.140 | 21.22              | 0.132 | 21.49            | 0.141 |
| 20              | 16QAM      | 50      | 0         | 20.16             | 0.104 | 20.11              | 0.103 | 20.15            | 0.104 |
| 20              | 16QAM      | 50      | 24        | 20.37             | 0.109 | 20.22              | 0.105 | 20.21            | 0.105 |
| 20              | 16QAM      | 50      | 50        | 20.24             | 0.106 | 20.27              | 0.106 | 20.29            | 0.107 |
| 20              | 16QAM      | 100     | 0         | 20.22             | 0.105 | 20.24              | 0.106 | 20.20            | 0.105 |
| 20              | 64QAM      | 1       | 0         | 20.32             | 0.108 | 20.46              | 0.111 | 20.41            | 0.110 |
| 20              | 64QAM      | 1       | 49        | 20.35             | 0.108 | 20.39              | 0.109 | 20.29            | 0.107 |
| 20              | 64QAM      | 1       | 99        | 20.45             | 0.111 | 20.33              | 0.108 | 20.15            | 0.104 |
| 20              | 64QAM      | 50      | 0         | 20.30             | 0.107 | 20.19              | 0.104 | 20.19            | 0.104 |
| 20              | 64QAM      | 50      | 24        | 20.13             | 0.103 | 20.14              | 0.103 | 20.21            | 0.105 |
| 20              | 64QAM      | 50      | 50        | 20.26             | 0.106 | 20.19              | 0.104 | 20.24            | 0.106 |
| 20              | 64QAM      | 100     | 0         | 20.18             | 0.104 | 20.21              | 0.105 | 20.20            | 0.105 |



| 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         | 21.83             | 0.152 | 21.88              | 0.154 | 21.86            | 0.153 |
| 15              | QPSK       | 1       | 37        | 21.82             | 0.152 | 21.84              | 0.153 | 21.77            | 0.150 |
| 15              | QPSK       | 1       | 74        | 21.74             | 0.149 | 21.81              | 0.152 | 21.78            | 0.151 |
| 15              | QPSK       | 36      | 0         | 20.91             | 0.123 | 21.00              | 0.126 | 20.89            | 0.123 |
| 15              | QPSK       | 36      | 20        | 20.88             | 0.122 | 20.82              | 0.121 | 20.80            | 0.120 |
| 15              | QPSK       | 36      | 39        | 20.85             | 0.122 | 20.88              | 0.122 | 20.81            | 0.121 |
| 15              | QPSK       | 75      | 0         | 20.88             | 0.122 | 20.89              | 0.123 | 20.78            | 0.120 |
| 15              | 16QAM      | 1       | 0         | 21.15             | 0.130 | 21.06              | 0.128 | 20.89            | 0.123 |
| 15              | 16QAM      | 1       | 37        | 21.03             | 0.127 | 21.12              | 0.129 | 21.07            | 0.128 |
| 15              | 16QAM      | 1       | 74        | 21.13             | 0.130 | 20.90              | 0.123 | 21.17            | 0.131 |
| 15              | 16QAM      | 36      | 0         | 19.84             | 0.096 | 19.79              | 0.095 | 19.83            | 0.096 |
| 15              | 16QAM      | 36      | 20        | 20.05             | 0.101 | 19.90              | 0.098 | 19.89            | 0.097 |
| 15              | 16QAM      | 36      | 39        | 19.92             | 0.098 | 19.95              | 0.099 | 19.97            | 0.099 |
| 15              | 16QAM      | 75      | 0         | 19.90             | 0.098 | 19.92              | 0.098 | 19.88            | 0.097 |
| 15              | 64QAM      | 1       | 0         | 20.00             | 0.100 | 20.14              | 0.103 | 20.09            | 0.102 |
| 15              | 64QAM      | 1       | 37        | 20.03             | 0.101 | 20.07              | 0.102 | 19.97            | 0.099 |
| 15              | 64QAM      | 1       | 74        | 20.13             | 0.103 | 20.01              | 0.100 | 19.83            | 0.096 |
| 15              | 64QAM      | 36      | 0         | 19.98             | 0.100 | 19.87              | 0.097 | 19.87            | 0.097 |
| 15              | 64QAM      | 36      | 20        | 19.81             | 0.096 | 19.82              | 0.096 | 19.89            | 0.097 |
| 15              | 64QAM      | 36      | 39        | 19.94             | 0.099 | 19.87              | 0.097 | 19.92            | 0.098 |
| 15              | 64QAM      | 75      | 0         | 19.86             | 0.097 | 19.89              | 0.097 | 19.88            | 0.097 |



| 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         | 21.76             | 0.150 | 21.81              | 0.152 | 21.79            | 0.151 |
| 10              | QPSK       | 1       | 25        | 21.75             | 0.150 | 21.77              | 0.150 | 21.70            | 0.148 |
| 10              | QPSK       | 1       | 49        | 21.67             | 0.147 | 21.74              | 0.149 | 21.71            | 0.148 |
| 10              | QPSK       | 25      | 0         | 20.84             | 0.121 | 20.93              | 0.124 | 20.82            | 0.121 |
| 10              | QPSK       | 25      | 12        | 20.81             | 0.121 | 20.75              | 0.119 | 20.73            | 0.118 |
| 10              | QPSK       | 25      | 25        | 20.78             | 0.120 | 20.81              | 0.121 | 20.74            | 0.119 |
| 10              | QPSK       | 50      | 0         | 20.81             | 0.121 | 20.82              | 0.121 | 20.71            | 0.118 |
| 10              | 16QAM      | 1       | 0         | 21.08             | 0.128 | 20.99              | 0.126 | 20.82            | 0.121 |
| 10              | 16QAM      | 1       | 25        | 20.96             | 0.125 | 21.05              | 0.127 | 21.00            | 0.126 |
| 10              | 16QAM      | 1       | 49        | 21.06             | 0.128 | 20.83              | 0.121 | 21.10            | 0.129 |
| 10              | 16QAM      | 25      | 0         | 19.77             | 0.095 | 19.72              | 0.094 | 19.76            | 0.095 |
| 10              | 16QAM      | 25      | 12        | 19.98             | 0.100 | 19.83              | 0.096 | 19.82            | 0.096 |
| 10              | 16QAM      | 25      | 25        | 19.85             | 0.097 | 19.88              | 0.097 | 19.90            | 0.098 |
| 10              | 16QAM      | 50      | 0         | 19.83             | 0.096 | 19.85              | 0.097 | 19.81            | 0.096 |
| 10              | 64QAM      | 1       | 0         | 19.93             | 0.098 | 20.07              | 0.102 | 20.02            | 0.100 |
| 10              | 64QAM      | 1       | 25        | 19.96             | 0.099 | 20.00              | 0.100 | 19.90            | 0.098 |
| 10              | 64QAM      | 1       | 49        | 20.06             | 0.101 | 19.94              | 0.099 | 19.76            | 0.095 |
| 10              | 64QAM      | 25      | 0         | 19.91             | 0.098 | 19.80              | 0.095 | 19.80            | 0.095 |
| 10              | 64QAM      | 25      | 12        | 19.74             | 0.094 | 19.75              | 0.094 | 19.82            | 0.096 |
| 10              | 64QAM      | 25      | 25        | 19.87             | 0.097 | 19.80              | 0.095 | 19.85            | 0.097 |
| 10              | 64QAM      | 50      | 0         | 19.79             | 0.095 | 19.82              | 0.096 | 19.81            | 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         |            |         |           | 18625             |       | 18900              |       | 19175            |       |
| Frequency (MHz) |            |         |           | 1852.5            |       | 1880               |       | 1907.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 21.69             | 0.148 | 21.74              | 0.149 | 21.72            | 0.149 |
| 5               | QPSK       | 1       | 12        | 21.68             | 0.147 | 21.70              | 0.148 | 21.63            | 0.146 |
| 5               | QPSK       | 1       | 24        | 21.60             | 0.145 | 21.67              | 0.147 | 21.64            | 0.146 |
| 5               | QPSK       | 12      | 0         | 20.77             | 0.119 | 20.86              | 0.122 | 20.75            | 0.119 |
| 5               | QPSK       | 12      | 7         | 20.74             | 0.119 | 20.68              | 0.117 | 20.66            | 0.116 |
| 5               | QPSK       | 12      | 13        | 20.71             | 0.118 | 20.74              | 0.119 | 20.67            | 0.117 |
| 5               | QPSK       | 25      | 0         | 20.74             | 0.119 | 20.75              | 0.119 | 20.64            | 0.116 |
| 5               | 16QAM      | 1       | 0         | 21.01             | 0.126 | 20.92              | 0.124 | 20.75            | 0.119 |
| 5               | 16QAM      | 1       | 12        | 20.89             | 0.123 | 20.98              | 0.125 | 20.93            | 0.124 |
| 5               | 16QAM      | 1       | 24        | 20.99             | 0.126 | 20.76              | 0.119 | 21.03            | 0.127 |
| 5               | 16QAM      | 12      | 0         | 19.70             | 0.093 | 19.65              | 0.092 | 19.69            | 0.093 |
| 5               | 16QAM      | 12      | 7         | 19.91             | 0.098 | 19.76              | 0.095 | 19.75            | 0.094 |
| 5               | 16QAM      | 12      | 13        | 19.78             | 0.095 | 19.81              | 0.096 | 19.83            | 0.096 |
| 5               | 16QAM      | 25      | 0         | 19.76             | 0.095 | 19.78              | 0.095 | 19.74            | 0.094 |
| 5               | 64QAM      | 1       | 0         | 19.86             | 0.097 | 20.00              | 0.100 | 19.95            | 0.099 |
| 5               | 64QAM      | 1       | 12        | 19.89             | 0.097 | 19.93              | 0.098 | 19.83            | 0.096 |
| 5               | 64QAM      | 1       | 24        | 19.99             | 0.100 | 19.87              | 0.097 | 19.69            | 0.093 |
| 5               | 64QAM      | 12      | 0         | 19.84             | 0.096 | 19.73              | 0.094 | 19.73            | 0.094 |
| 5               | 64QAM      | 12      | 7         | 19.67             | 0.093 | 19.68              | 0.093 | 19.75            | 0.094 |
| 5               | 64QAM      | 12      | 13        | 19.80             | 0.095 | 19.73              | 0.094 | 19.78            | 0.095 |
| 5               | 64QAM      | 25      | 0         | 19.72             | 0.094 | 19.75              | 0.094 | 19.74            | 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         |            |         |           | 18615             |       | 18900              |       | 19185            |       |
| Frequency (MHz) |            |         |           | 1851.5            |       | 1880               |       | 1908.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 21.62             | 0.145 | 21.67              | 0.147 | 21.65            | 0.146 |
| 3               | QPSK       | 1       | 8         | 21.61             | 0.145 | 21.63              | 0.146 | 21.56            | 0.143 |
| 3               | QPSK       | 1       | 14        | 21.53             | 0.142 | 21.60              | 0.145 | 21.57            | 0.144 |
| 3               | QPSK       | 8       | 0         | 20.70             | 0.117 | 20.79              | 0.120 | 20.68            | 0.117 |
| 3               | QPSK       | 8       | 4         | 20.67             | 0.117 | 20.61              | 0.115 | 20.59            | 0.115 |
| 3               | QPSK       | 8       | 7         | 20.64             | 0.116 | 20.67              | 0.117 | 20.60            | 0.115 |
| 3               | QPSK       | 15      | 0         | 20.67             | 0.117 | 20.68              | 0.117 | 20.57            | 0.114 |
| 3               | 16QAM      | 1       | 0         | 20.94             | 0.124 | 20.85              | 0.122 | 20.68            | 0.117 |
| 3               | 16QAM      | 1       | 8         | 20.82             | 0.121 | 20.91              | 0.123 | 20.86            | 0.122 |
| 3               | 16QAM      | 1       | 14        | 20.92             | 0.124 | 20.69              | 0.117 | 20.96            | 0.125 |
| 3               | 16QAM      | 8       | 0         | 19.63             | 0.092 | 19.58              | 0.091 | 19.62            | 0.092 |
| 3               | 16QAM      | 8       | 4         | 19.84             | 0.096 | 19.69              | 0.093 | 19.68            | 0.093 |
| 3               | 16QAM      | 8       | 7         | 19.71             | 0.094 | 19.74              | 0.094 | 19.76            | 0.095 |
| 3               | 16QAM      | 15      | 0         | 19.69             | 0.093 | 19.71              | 0.094 | 19.67            | 0.093 |
| 3               | 64QAM      | 1       | 0         | 19.79             | 0.095 | 19.93              | 0.098 | 19.88            | 0.097 |
| 3               | 64QAM      | 1       | 8         | 19.82             | 0.096 | 19.86              | 0.097 | 19.76            | 0.095 |
| 3               | 64QAM      | 1       | 14        | 19.92             | 0.098 | 19.80              | 0.095 | 19.62            | 0.092 |
| 3               | 64QAM      | 8       | 0         | 19.77             | 0.095 | 19.66              | 0.092 | 19.66            | 0.092 |
| 3               | 64QAM      | 8       | 4         | 19.60             | 0.091 | 19.61              | 0.091 | 19.68            | 0.093 |
| 3               | 64QAM      | 8       | 7         | 19.73             | 0.094 | 19.66              | 0.092 | 19.71            | 0.094 |
| 3               | 64QAM      | 15      | 0         | 19.65             | 0.092 | 19.68              | 0.093 | 19.67            | 0.093 |



| 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         | 21.55             | 0.143 | 21.60              | 0.145 | 21.58            | 0.144 |
| 1.4             | QPSK       | 1       | 3         | 21.54             | 0.143 | 21.56              | 0.143 | 21.49            | 0.141 |
| 1.4             | QPSK       | 1       | 5         | 21.46             | 0.140 | 21.53              | 0.142 | 21.50            | 0.141 |
| 1.4             | QPSK       | 3       | 0         | 20.63             | 0.116 | 20.72              | 0.118 | 20.61            | 0.115 |
| 1.4             | QPSK       | 3       | 1         | 20.60             | 0.115 | 20.54              | 0.113 | 20.52            | 0.113 |
| 1.4             | QPSK       | 3       | 3         | 20.57             | 0.114 | 20.60              | 0.115 | 20.53            | 0.113 |
| 1.4             | QPSK       | 6       | 0         | 20.60             | 0.115 | 20.61              | 0.115 | 20.50            | 0.112 |
| 1.4             | 16QAM      | 1       | 0         | 20.87             | 0.122 | 20.78              | 0.120 | 20.61            | 0.115 |
| 1.4             | 16QAM      | 1       | 3         | 20.75             | 0.119 | 20.84              | 0.121 | 20.79            | 0.120 |
| 1.4             | 16QAM      | 1       | 5         | 20.85             | 0.122 | 20.62              | 0.115 | 20.89            | 0.123 |
| 1.4             | 16QAM      | 3       | 0         | 19.56             | 0.090 | 19.51              | 0.089 | 19.55            | 0.090 |
| 1.4             | 16QAM      | 3       | 1         | 19.77             | 0.095 | 19.62              | 0.092 | 19.61            | 0.091 |
| 1.4             | 16QAM      | 3       | 3         | 19.64             | 0.092 | 19.67              | 0.093 | 19.69            | 0.093 |
| 1.4             | 16QAM      | 6       | 0         | 19.62             | 0.092 | 19.64              | 0.092 | 19.60            | 0.091 |
| 1.4             | 64QAM      | 1       | 0         | 19.72             | 0.094 | 19.86              | 0.097 | 19.81            | 0.096 |
| 1.4             | 64QAM      | 1       | 3         | 19.75             | 0.094 | 19.79              | 0.095 | 19.69            | 0.093 |
| 1.4             | 64QAM      | 1       | 5         | 19.85             | 0.097 | 19.73              | 0.094 | 19.55            | 0.090 |
| 1.4             | 64QAM      | 3       | 0         | 19.70             | 0.093 | 19.59              | 0.091 | 19.59            | 0.091 |
| 1.4             | 64QAM      | 3       | 1         | 19.53             | 0.090 | 19.54              | 0.090 | 19.61            | 0.091 |
| 1.4             | 64QAM      | 3       | 3         | 19.66             | 0.092 | 19.59              | 0.091 | 19.64            | 0.092 |
| 1.4             | 64QAM      | 6       | 0         | 19.58             | 0.091 | 19.61              | 0.091 | 19.60            | 0.091 |



| 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            | 22.33              | 0.171 | 22.38                 | 0.173 | 22.31               | 0.170 |
| 20              | QPSK       | 1          | 49           | 22.27              | 0.169 | 22.28                 | 0.169 | 22.29               | 0.169 |
| 20              | QPSK       | 1          | 99           | 22.19              | 0.165 | 22.21                 | 0.166 | 22.24               | 0.167 |
| 20              | QPSK       | 50         | 0            | 21.24              | 0.133 | 21.27                 | 0.134 | 21.25               | 0.133 |
| 20              | QPSK       | 50         | 24           | 21.20              | 0.132 | 21.23                 | 0.133 | 21.24               | 0.133 |
| 20              | QPSK       | 50         | 50           | 21.17              | 0.131 | 21.20                 | 0.132 | 21.26               | 0.134 |
| 20              | QPSK       | 100        | 0            | 21.14              | 0.130 | 21.23                 | 0.133 | 21.18               | 0.131 |
| 20              | 16QAM      | 1          | 0            | 20.87              | 0.122 | 21.12                 | 0.129 | 21.18               | 0.131 |
| 20              | 16QAM      | 1          | 49           | 21.12              | 0.129 | 21.18                 | 0.131 | 21.03               | 0.127 |
| 20              | 16QAM      | 1          | 99           | 21.19              | 0.131 | 21.18                 | 0.131 | 21.29               | 0.134 |
| 20              | 16QAM      | 50         | 0            | 20.25              | 0.106 | 20.21                 | 0.105 | 20.26               | 0.106 |
| 20              | 16QAM      | 50         | 24           | 20.28              | 0.107 | 20.17                 | 0.104 | 20.21               | 0.105 |
| 20              | 16QAM      | 50         | 50           | 20.33              | 0.108 | 20.19                 | 0.104 | 20.20               | 0.105 |
| 20              | 16QAM      | 100        | 0            | 20.25              | 0.106 | 20.24                 | 0.106 | 20.22               | 0.105 |
| 20              | 64QAM      | 1          | 0            | 20.37              | 0.109 | 20.31                 | 0.107 | 20.35               | 0.108 |
| 20              | 64QAM      | 1          | 49           | 20.17              | 0.104 | 20.19                 | 0.104 | 20.35               | 0.108 |
| 20              | 64QAM      | 1          | 99           | 20.27              | 0.106 | 20.28                 | 0.107 | 20.39               | 0.109 |
| 20              | 64QAM      | 50         | 0            | 20.19              | 0.104 | 20.16                 | 0.104 | 20.17               | 0.104 |
| 20              | 64QAM      | 50         | 24           | 20.18              | 0.104 | 20.20                 | 0.105 | 20.33               | 0.108 |
| 20              | 64QAM      | 50         | 50           | 20.22              | 0.105 | 20.19                 | 0.104 | 20.37               | 0.109 |
| 20              | 64QAM      | 100        | 0            | 20.20              | 0.105 | 20.17                 | 0.104 | 20.28               | 0.107 |



| 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            | 22.21              | 0.166 | 22.23                 | 0.167 | 22.15               | 0.164 |
| 15              | QPSK       | 1          | 37           | 22.14              | 0.164 | 22.15                 | 0.164 | 22.16               | 0.164 |
| 15              | QPSK       | 1          | 74           | 22.06              | 0.161 | 22.08                 | 0.161 | 22.11               | 0.162 |
| 15              | QPSK       | 36         | 0            | 21.11              | 0.129 | 21.14                 | 0.130 | 21.12               | 0.129 |
| 15              | QPSK       | 36         | 20           | 21.07              | 0.128 | 21.10                 | 0.129 | 21.11               | 0.129 |
| 15              | QPSK       | 36         | 39           | 21.04              | 0.127 | 21.07                 | 0.128 | 21.13               | 0.130 |
| 15              | QPSK       | 75         | 0            | 21.01              | 0.126 | 21.10                 | 0.129 | 21.05               | 0.127 |
| 15              | 16QAM      | 1          | 0            | 20.74              | 0.118 | 20.99                 | 0.125 | 21.05               | 0.127 |
| 15              | 16QAM      | 1          | 37           | 20.99              | 0.125 | 21.05                 | 0.127 | 20.90               | 0.123 |
| 15              | 16QAM      | 1          | 74           | 21.06              | 0.128 | 21.05                 | 0.127 | 21.16               | 0.130 |
| 15              | 16QAM      | 36         | 0            | 20.12              | 0.103 | 20.08                 | 0.102 | 20.13               | 0.103 |
| 15              | 16QAM      | 36         | 20           | 20.15              | 0.103 | 20.04                 | 0.101 | 20.08               | 0.102 |
| 15              | 16QAM      | 36         | 39           | 20.20              | 0.105 | 20.06                 | 0.101 | 20.07               | 0.102 |
| 15              | 16QAM      | 75         | 0            | 20.12              | 0.103 | 20.11                 | 0.102 | 20.09               | 0.102 |
| 15              | 64QAM      | 1          | 0            | 20.24              | 0.106 | 20.18                 | 0.104 | 20.22               | 0.105 |
| 15              | 64QAM      | 1          | 37           | 20.04              | 0.101 | 20.06                 | 0.101 | 20.22               | 0.105 |
| 15              | 64QAM      | 1          | 74           | 20.14              | 0.103 | 20.15                 | 0.103 | 20.26               | 0.106 |
| 15              | 64QAM      | 36         | 0            | 20.06              | 0.101 | 20.03                 | 0.101 | 20.04               | 0.101 |
| 15              | 64QAM      | 36         | 20           | 20.05              | 0.101 | 20.07                 | 0.102 | 20.20               | 0.105 |
| 15              | 64QAM      | 36         | 39           | 20.09              | 0.102 | 20.06                 | 0.101 | 20.24               | 0.106 |
| 15              | 64QAM      | 75         | 0            | 20.07              | 0.102 | 20.04                 | 0.101 | 20.15               | 0.103 |



| 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            | 22.14              | 0.164 | 22.16                 | 0.164 | 22.08               | 0.161 |
| 10              | QPSK       | 1          | 25           | 22.07              | 0.161 | 22.08                 | 0.161 | 22.09               | 0.162 |
| 10              | QPSK       | 1          | 49           | 21.99              | 0.158 | 22.01                 | 0.159 | 22.04               | 0.160 |
| 10              | QPSK       | 25         | 0            | 21.04              | 0.127 | 21.07                 | 0.128 | 21.05               | 0.127 |
| 10              | QPSK       | 25         | 12           | 21.00              | 0.126 | 21.03                 | 0.127 | 21.04               | 0.127 |
| 10              | QPSK       | 25         | 25           | 20.97              | 0.125 | 21.00                 | 0.126 | 21.06               | 0.128 |
| 10              | QPSK       | 50         | 0            | 20.94              | 0.124 | 21.03                 | 0.127 | 20.98               | 0.125 |
| 10              | 16QAM      | 1          | 0            | 20.67              | 0.117 | 20.92                 | 0.123 | 20.98               | 0.125 |
| 10              | 16QAM      | 1          | 25           | 20.92              | 0.123 | 20.98                 | 0.125 | 20.83               | 0.121 |
| 10              | 16QAM      | 1          | 49           | 20.99              | 0.125 | 20.98                 | 0.125 | 21.09               | 0.128 |
| 10              | 16QAM      | 25         | 0            | 20.05              | 0.101 | 20.01                 | 0.100 | 20.06               | 0.101 |
| 10              | 16QAM      | 25         | 12           | 20.08              | 0.102 | 19.97                 | 0.099 | 20.01               | 0.100 |
| 10              | 16QAM      | 25         | 25           | 20.13              | 0.103 | 19.99                 | 0.100 | 20.00               | 0.100 |
| 10              | 16QAM      | 50         | 0            | 20.05              | 0.101 | 20.04                 | 0.101 | 20.02               | 0.100 |
| 10              | 64QAM      | 1          | 0            | 20.17              | 0.104 | 20.11                 | 0.102 | 20.15               | 0.103 |
| 10              | 64QAM      | 1          | 25           | 19.97              | 0.099 | 19.99                 | 0.100 | 20.15               | 0.103 |
| 10              | 64QAM      | 1          | 49           | 20.07              | 0.102 | 20.08                 | 0.102 | 20.19               | 0.104 |
| 10              | 64QAM      | 25         | 0            | 19.99              | 0.100 | 19.96                 | 0.099 | 19.97               | 0.099 |
| 10              | 64QAM      | 25         | 12           | 19.98              | 0.099 | 20.00                 | 0.100 | 20.13               | 0.103 |
| 10              | 64QAM      | 25         | 25           | 20.02              | 0.100 | 19.99                 | 0.100 | 20.17               | 0.104 |
| 10              | 64QAM      | 50         | 0            | 20.00              | 0.100 | 19.97                 | 0.099 | 20.08               | 0.102 |



| 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            | 22.07              | 0.161 | 22.09                 | 0.162 | 22.01               | 0.159 |
| 5               | QPSK       | 1          | 12           | 22.00              | 0.158 | 22.01                 | 0.159 | 22.02               | 0.159 |
| 5               | QPSK       | 1          | 24           | 21.92              | 0.155 | 21.94                 | 0.156 | 21.97               | 0.157 |
| 5               | QPSK       | 12         | 0            | 20.97              | 0.125 | 21.00                 | 0.126 | 20.98               | 0.125 |
| 5               | QPSK       | 12         | 7            | 20.93              | 0.124 | 20.96                 | 0.125 | 20.97               | 0.125 |
| 5               | QPSK       | 12         | 13           | 20.90              | 0.123 | 20.93                 | 0.124 | 20.99               | 0.125 |
| 5               | QPSK       | 25         | 0            | 20.87              | 0.122 | 20.96                 | 0.125 | 20.91               | 0.123 |
| 5               | 16QAM      | 1          | 0            | 20.60              | 0.115 | 20.85                 | 0.122 | 20.91               | 0.123 |
| 5               | 16QAM      | 1          | 12           | 20.85              | 0.122 | 20.91                 | 0.123 | 20.76               | 0.119 |
| 5               | 16QAM      | 1          | 24           | 20.92              | 0.123 | 20.91                 | 0.123 | 21.02               | 0.126 |
| 5               | 16QAM      | 12         | 0            | 19.98              | 0.099 | 19.94                 | 0.099 | 19.99               | 0.100 |
| 5               | 16QAM      | 12         | 7            | 20.01              | 0.100 | 19.90                 | 0.098 | 19.94               | 0.099 |
| 5               | 16QAM      | 12         | 13           | 20.06              | 0.101 | 19.92                 | 0.098 | 19.93               | 0.098 |
| 5               | 16QAM      | 25         | 0            | 19.98              | 0.099 | 19.97                 | 0.099 | 19.95               | 0.099 |
| 5               | 64QAM      | 1          | 0            | 20.10              | 0.102 | 20.04                 | 0.101 | 20.08               | 0.102 |
| 5               | 64QAM      | 1          | 12           | 19.90              | 0.098 | 19.92                 | 0.098 | 20.08               | 0.102 |
| 5               | 64QAM      | 1          | 24           | 20.00              | 0.100 | 20.01                 | 0.100 | 20.12               | 0.103 |
| 5               | 64QAM      | 12         | 0            | 19.92              | 0.098 | 19.89                 | 0.097 | 19.90               | 0.098 |
| 5               | 64QAM      | 12         | 7            | 19.91              | 0.098 | 19.93                 | 0.098 | 20.06               | 0.101 |
| 5               | 64QAM      | 12         | 13           | 19.95              | 0.099 | 19.92                 | 0.098 | 20.10               | 0.102 |
| 5               | 64QAM      | 25         | 0            | 19.93              | 0.098 | 19.90                 | 0.098 | 20.01               | 0.100 |



| 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            | 22.00              | 0.158 | 22.02                 | 0.159 | 21.94               | 0.156 |
| 3               | QPSK       | 1          | 8            | 21.93              | 0.156 | 21.94                 | 0.156 | 21.95               | 0.157 |
| 3               | QPSK       | 1          | 14           | 21.85              | 0.153 | 21.87                 | 0.154 | 21.90               | 0.155 |
| 3               | QPSK       | 8          | 0            | 20.90              | 0.123 | 20.93                 | 0.124 | 20.91               | 0.123 |
| 3               | QPSK       | 8          | 4            | 20.86              | 0.122 | 20.89                 | 0.123 | 20.90               | 0.123 |
| 3               | QPSK       | 8          | 7            | 20.83              | 0.121 | 20.86                 | 0.122 | 20.92               | 0.123 |
| 3               | QPSK       | 15         | 0            | 20.80              | 0.120 | 20.89                 | 0.123 | 20.84               | 0.121 |
| 3               | 16QAM      | 1          | 0            | 20.53              | 0.113 | 20.78                 | 0.120 | 20.84               | 0.121 |
| 3               | 16QAM      | 1          | 8            | 20.78              | 0.120 | 20.84                 | 0.121 | 20.69               | 0.117 |
| 3               | 16QAM      | 1          | 14           | 20.85              | 0.122 | 20.84                 | 0.121 | 20.95               | 0.124 |
| 3               | 16QAM      | 8          | 0            | 19.91              | 0.098 | 19.87                 | 0.097 | 19.92               | 0.098 |
| 3               | 16QAM      | 8          | 4            | 19.94              | 0.099 | 19.83                 | 0.096 | 19.87               | 0.097 |
| 3               | 16QAM      | 8          | 7            | 19.99              | 0.100 | 19.85                 | 0.097 | 19.86               | 0.097 |
| 3               | 16QAM      | 15         | 0            | 19.91              | 0.098 | 19.90                 | 0.098 | 19.88               | 0.097 |
| 3               | 64QAM      | 1          | 0            | 20.03              | 0.101 | 19.97                 | 0.099 | 20.01               | 0.100 |
| 3               | 64QAM      | 1          | 8            | 19.83              | 0.096 | 19.85                 | 0.097 | 20.01               | 0.100 |
| 3               | 64QAM      | 1          | 14           | 19.93              | 0.098 | 19.94                 | 0.099 | 20.05               | 0.101 |
| 3               | 64QAM      | 8          | 0            | 19.85              | 0.097 | 19.82                 | 0.096 | 19.83               | 0.096 |
| 3               | 64QAM      | 8          | 4            | 19.84              | 0.096 | 19.86                 | 0.097 | 19.99               | 0.100 |
| 3               | 64QAM      | 8          | 7            | 19.88              | 0.097 | 19.85                 | 0.097 | 20.03               | 0.101 |
| 3               | 64QAM      | 15         | 0            | 19.86              | 0.097 | 19.83                 | 0.096 | 19.94               | 0.099 |



| 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            | 21.93              | 0.156 | 21.95                 | 0.157 | 21.87               | 0.154 |
| 1.4             | QPSK       | 1          | 3            | 21.86              | 0.153 | 21.87                 | 0.154 | 21.88               | 0.154 |
| 1.4             | QPSK       | 1          | 5            | 21.78              | 0.151 | 21.80                 | 0.151 | 21.83               | 0.152 |
| 1.4             | QPSK       | 3          | 0            | 20.83              | 0.121 | 20.86                 | 0.122 | 20.84               | 0.121 |
| 1.4             | QPSK       | 3          | 1            | 20.79              | 0.120 | 20.82                 | 0.121 | 20.83               | 0.121 |
| 1.4             | QPSK       | 3          | 3            | 20.76              | 0.119 | 20.79                 | 0.120 | 20.85               | 0.122 |
| 1.4             | QPSK       | 6          | 0            | 20.73              | 0.118 | 20.82                 | 0.121 | 20.77               | 0.119 |
| 1.4             | 16QAM      | 1          | 0            | 20.46              | 0.111 | 20.71                 | 0.118 | 20.77               | 0.119 |
| 1.4             | 16QAM      | 1          | 3            | 20.71              | 0.118 | 20.77                 | 0.119 | 20.62               | 0.115 |
| 1.4             | 16QAM      | 1          | 5            | 20.78              | 0.120 | 20.77                 | 0.119 | 20.88               | 0.122 |
| 1.4             | 16QAM      | 3          | 0            | 19.84              | 0.096 | 19.80                 | 0.095 | 19.85               | 0.097 |
| 1.4             | 16QAM      | 3          | 1            | 19.87              | 0.097 | 19.76                 | 0.095 | 19.80               | 0.095 |
| 1.4             | 16QAM      | 3          | 3            | 19.92              | 0.098 | 19.78                 | 0.095 | 19.79               | 0.095 |
| 1.4             | 16QAM      | 6          | 0            | 19.84              | 0.096 | 19.83                 | 0.096 | 19.81               | 0.096 |
| 1.4             | 64QAM      | 1          | 0            | 19.96              | 0.099 | 19.90                 | 0.098 | 19.94               | 0.099 |
| 1.4             | 64QAM      | 1          | 3            | 19.76              | 0.095 | 19.78                 | 0.095 | 19.94               | 0.099 |
| 1.4             | 64QAM      | 1          | 5            | 19.86              | 0.097 | 19.87                 | 0.097 | 19.98               | 0.099 |
| 1.4             | 64QAM      | 3          | 0            | 19.78              | 0.095 | 19.75                 | 0.094 | 19.76               | 0.095 |
| 1.4             | 64QAM      | 3          | 1            | 19.77              | 0.095 | 19.79                 | 0.095 | 19.92               | 0.098 |
| 1.4             | 64QAM      | 3          | 3            | 19.81              | 0.096 | 19.78                 | 0.095 | 19.96               | 0.099 |
| 1.4             | 64QAM      | 6          | 0            | 19.79              | 0.095 | 19.76                 | 0.095 | 19.87               | 0.097 |



| 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            | 13.95              | 0.025 | 14.00                 | 0.025 | 13.98               | 0.025 |
| 10              | QPSK       | 1       | 25           | 13.90              | 0.025 | 13.91                 | 0.025 | 13.92               | 0.025 |
| 10              | QPSK       | 1       | 49           | 13.82              | 0.024 | 13.84                 | 0.024 | 13.87               | 0.024 |
| 10              | QPSK       | 25      | 0            | 12.93              | 0.020 | 12.95                 | 0.020 | 12.90               | 0.019 |
| 10              | QPSK       | 25      | 12           | 12.90              | 0.019 | 12.93                 | 0.020 | 12.94               | 0.020 |
| 10              | QPSK       | 25      | 25           | 12.87              | 0.019 | 12.90                 | 0.019 | 12.96               | 0.020 |
| 10              | QPSK       | 50      | 0            | 12.84              | 0.019 | 12.93                 | 0.020 | 12.88               | 0.019 |
| 10              | 16QAM      | 1       | 0            | 12.57              | 0.018 | 12.82                 | 0.019 | 12.88               | 0.019 |
| 10              | 16QAM      | 1       | 25           | 12.82              | 0.019 | 12.88                 | 0.019 | 12.73               | 0.019 |
| 10              | 16QAM      | 1       | 49           | 12.89              | 0.019 | 12.88                 | 0.019 | 12.99               | 0.020 |
| 10              | 16QAM      | 25      | 0            | 11.95              | 0.016 | 11.91                 | 0.016 | 11.96               | 0.016 |
| 10              | 16QAM      | 25      | 12           | 11.98              | 0.016 | 11.87                 | 0.015 | 11.91               | 0.016 |
| 10              | 16QAM      | 25      | 25           | 12.03              | 0.016 | 11.89                 | 0.015 | 11.90               | 0.015 |
| 10              | 16QAM      | 50      | 0            | 11.95              | 0.016 | 11.94                 | 0.016 | 11.92               | 0.016 |
| 10              | 64QAM      | 1       | 0            | 12.07              | 0.016 | 12.01                 | 0.016 | 12.05               | 0.016 |
| 10              | 64QAM      | 1       | 25           | 11.87              | 0.015 | 11.89                 | 0.015 | 12.05               | 0.016 |
| 10              | 64QAM      | 1       | 49           | 11.97              | 0.016 | 11.98                 | 0.016 | 12.09               | 0.016 |
| 10              | 64QAM      | 25      | 0            | 11.89              | 0.015 | 11.86                 | 0.015 | 11.87               | 0.015 |
| 10              | 64QAM      | 25      | 12           | 11.88              | 0.015 | 11.90                 | 0.015 | 12.03               | 0.016 |
| 10              | 64QAM      | 25      | 25           | 11.92              | 0.016 | 11.89                 | 0.015 | 12.07               | 0.016 |
| 10              | 64QAM      | 50      | 0            | 11.90              | 0.015 | 11.87                 | 0.015 | 11.98               | 0.016 |



| 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            | 13.91              | 0.025 | 13.93                 | 0.025 | 13.89               | 0.024 |
| 5               | QPSK       | 1       | 12           | 13.86              | 0.024 | 13.87                 | 0.024 | 13.88               | 0.024 |
| 5               | QPSK       | 1       | 24           | 13.78              | 0.024 | 13.80                 | 0.024 | 13.83               | 0.024 |
| 5               | QPSK       | 12      | 0            | 12.89              | 0.019 | 12.91                 | 0.020 | 12.86               | 0.019 |
| 5               | QPSK       | 12      | 7            | 12.86              | 0.019 | 12.89                 | 0.019 | 12.90               | 0.019 |
| 5               | QPSK       | 12      | 13           | 12.83              | 0.019 | 12.86                 | 0.019 | 12.92               | 0.020 |
| 5               | QPSK       | 25      | 0            | 12.80              | 0.019 | 12.89                 | 0.019 | 12.84               | 0.019 |
| 5               | 16QAM      | 1       | 0            | 12.53              | 0.018 | 12.78                 | 0.019 | 12.84               | 0.019 |
| 5               | 16QAM      | 1       | 12           | 12.78              | 0.019 | 12.84                 | 0.019 | 12.69               | 0.019 |
| 5               | 16QAM      | 1       | 24           | 12.85              | 0.019 | 12.84                 | 0.019 | 12.95               | 0.020 |
| 5               | 16QAM      | 12      | 0            | 11.91              | 0.016 | 11.87                 | 0.015 | 11.92               | 0.016 |
| 5               | 16QAM      | 12      | 7            | 11.94              | 0.016 | 11.83                 | 0.015 | 11.87               | 0.015 |
| 5               | 16QAM      | 12      | 13           | 11.99              | 0.016 | 11.85                 | 0.015 | 11.86               | 0.015 |
| 5               | 16QAM      | 25      | 0            | 11.91              | 0.016 | 11.90                 | 0.015 | 11.88               | 0.015 |
| 5               | 64QAM      | 1       | 0            | 12.03              | 0.016 | 11.97                 | 0.016 | 12.01               | 0.016 |
| 5               | 64QAM      | 1       | 12           | 11.83              | 0.015 | 11.85                 | 0.015 | 12.01               | 0.016 |
| 5               | 64QAM      | 1       | 24           | 11.93              | 0.016 | 11.94                 | 0.016 | 12.05               | 0.016 |
| 5               | 64QAM      | 12      | 0            | 11.85              | 0.015 | 11.82                 | 0.015 | 11.83               | 0.015 |
| 5               | 64QAM      | 12      | 7            | 11.84              | 0.015 | 11.86                 | 0.015 | 11.99               | 0.016 |
| 5               | 64QAM      | 12      | 13           | 11.88              | 0.015 | 11.85                 | 0.015 | 12.03               | 0.016 |
| 5               | 64QAM      | 25      | 0            | 11.86              | 0.015 | 11.83                 | 0.015 | 11.94               | 0.016 |



| 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            | 13.83              | 0.024 | 13.85                 | 0.024 | 13.81               | 0.024 |
| 3               | QPSK       | 1       | 8            | 13.78              | 0.024 | 13.79                 | 0.024 | 13.80               | 0.024 |
| 3               | QPSK       | 1       | 14           | 13.70              | 0.023 | 13.72                 | 0.024 | 13.75               | 0.024 |
| 3               | QPSK       | 8       | 0            | 12.81              | 0.019 | 12.83                 | 0.019 | 12.78               | 0.019 |
| 3               | QPSK       | 8       | 4            | 12.78              | 0.019 | 12.81                 | 0.019 | 12.82               | 0.019 |
| 3               | QPSK       | 8       | 7            | 12.75              | 0.019 | 12.78                 | 0.019 | 12.84               | 0.019 |
| 3               | QPSK       | 15      | 0            | 12.72              | 0.019 | 12.81                 | 0.019 | 12.76               | 0.019 |
| 3               | 16QAM      | 1       | 0            | 12.45              | 0.018 | 12.70                 | 0.019 | 12.76               | 0.019 |
| 3               | 16QAM      | 1       | 8            | 12.70              | 0.019 | 12.76                 | 0.019 | 12.61               | 0.018 |
| 3               | 16QAM      | 1       | 14           | 12.77              | 0.019 | 12.76                 | 0.019 | 12.87               | 0.019 |
| 3               | 16QAM      | 8       | 0            | 11.83              | 0.015 | 11.79                 | 0.015 | 11.84               | 0.015 |
| 3               | 16QAM      | 8       | 4            | 11.86              | 0.015 | 11.75                 | 0.015 | 11.79               | 0.015 |
| 3               | 16QAM      | 8       | 7            | 11.91              | 0.016 | 11.77                 | 0.015 | 11.78               | 0.015 |
| 3               | 16QAM      | 15      | 0            | 11.83              | 0.015 | 11.82                 | 0.015 | 11.80               | 0.015 |
| 3               | 64QAM      | 1       | 0            | 11.95              | 0.016 | 11.89                 | 0.015 | 11.93               | 0.016 |
| 3               | 64QAM      | 1       | 8            | 11.75              | 0.015 | 11.77                 | 0.015 | 11.93               | 0.016 |
| 3               | 64QAM      | 1       | 14           | 11.85              | 0.015 | 11.86                 | 0.015 | 11.97               | 0.016 |
| 3               | 64QAM      | 8       | 0            | 11.77              | 0.015 | 11.74                 | 0.015 | 11.75               | 0.015 |
| 3               | 64QAM      | 8       | 4            | 11.76              | 0.015 | 11.78                 | 0.015 | 11.91               | 0.016 |
| 3               | 64QAM      | 8       | 7            | 11.80              | 0.015 | 11.77                 | 0.015 | 11.95               | 0.016 |
| 3               | 64QAM      | 15      | 0            | 11.78              | 0.015 | 11.75                 | 0.015 | 11.86               | 0.015 |



| 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            | 13.74              | 0.024 | 13.76                 | 0.024 | 13.72               | 0.024 |
| 1.4             | QPSK       | 1       | 3            | 13.69              | 0.023 | 13.70                 | 0.023 | 13.71               | 0.023 |
| 1.4             | QPSK       | 1       | 5            | 13.61              | 0.023 | 13.63                 | 0.023 | 13.66               | 0.023 |
| 1.4             | QPSK       | 3       | 0            | 12.72              | 0.019 | 12.74                 | 0.019 | 12.69               | 0.019 |
| 1.4             | QPSK       | 3       | 1            | 12.69              | 0.019 | 12.72                 | 0.019 | 12.73               | 0.019 |
| 1.4             | QPSK       | 3       | 3            | 12.66              | 0.018 | 12.69                 | 0.019 | 12.75               | 0.019 |
| 1.4             | QPSK       | 6       | 0            | 12.63              | 0.018 | 12.72                 | 0.019 | 12.67               | 0.018 |
| 1.4             | 16QAM      | 1       | 0            | 12.36              | 0.017 | 12.61                 | 0.018 | 12.67               | 0.018 |
| 1.4             | 16QAM      | 1       | 3            | 12.61              | 0.018 | 12.67                 | 0.018 | 12.52               | 0.018 |
| 1.4             | 16QAM      | 1       | 5            | 12.68              | 0.019 | 12.67                 | 0.018 | 12.78               | 0.019 |
| 1.4             | 16QAM      | 3       | 0            | 11.74              | 0.015 | 11.70                 | 0.015 | 11.75               | 0.015 |
| 1.4             | 16QAM      | 3       | 1            | 11.77              | 0.015 | 11.66                 | 0.015 | 11.70               | 0.015 |
| 1.4             | 16QAM      | 3       | 3            | 11.82              | 0.015 | 11.68                 | 0.015 | 11.69               | 0.015 |
| 1.4             | 16QAM      | 6       | 0            | 11.74              | 0.015 | 11.73                 | 0.015 | 11.71               | 0.015 |
| 1.4             | 64QAM      | 1       | 0            | 11.86              | 0.015 | 11.80                 | 0.015 | 11.84               | 0.015 |
| 1.4             | 64QAM      | 1       | 3            | 11.66              | 0.015 | 11.68                 | 0.015 | 11.84               | 0.015 |
| 1.4             | 64QAM      | 1       | 5            | 11.76              | 0.015 | 11.77                 | 0.015 | 11.88               | 0.015 |
| 1.4             | 64QAM      | 3       | 0            | 11.68              | 0.015 | 11.65                 | 0.015 | 11.66               | 0.015 |
| 1.4             | 64QAM      | 3       | 1            | 11.67              | 0.015 | 11.69                 | 0.015 | 11.82               | 0.015 |
| 1.4             | 64QAM      | 3       | 3            | 11.71              | 0.015 | 11.68                 | 0.015 | 11.86               | 0.015 |
| 1.4             | 64QAM      | 6       | 0            | 11.69              | 0.015 | 11.66                 | 0.015 | 11.77               | 0.015 |



| 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            | 14.07              | 0.026 | 14.11                 | 0.026 | 14.09               | 0.026 |
| 10              | QPSK       | 1       | 25           | 13.99              | 0.025 | 14.00                 | 0.025 | 14.01               | 0.025 |
| 10              | QPSK       | 1       | 49           | 13.91              | 0.025 | 13.93                 | 0.025 | 13.96               | 0.025 |
| 10              | QPSK       | 25      | 0            | 13.08              | 0.020 | 13.15                 | 0.021 | 13.10               | 0.020 |
| 10              | QPSK       | 25      | 12           | 13.02              | 0.020 | 13.05                 | 0.020 | 13.06               | 0.020 |
| 10              | QPSK       | 25      | 25           | 12.99              | 0.020 | 13.02                 | 0.020 | 13.08               | 0.020 |
| 10              | QPSK       | 50      | 0            | 12.96              | 0.020 | 13.05                 | 0.020 | 13.00               | 0.020 |
| 10              | 16QAM      | 1       | 0            | 12.69              | 0.019 | 12.94                 | 0.020 | 13.00               | 0.020 |
| 10              | 16QAM      | 1       | 25           | 12.94              | 0.020 | 13.00                 | 0.020 | 12.85               | 0.019 |
| 10              | 16QAM      | 1       | 49           | 13.01              | 0.020 | 13.00                 | 0.020 | 13.11               | 0.020 |
| 10              | 16QAM      | 25      | 0            | 12.07              | 0.016 | 12.03                 | 0.016 | 12.08               | 0.016 |
| 10              | 16QAM      | 25      | 12           | 12.10              | 0.016 | 11.99                 | 0.016 | 12.03               | 0.016 |
| 10              | 16QAM      | 25      | 25           | 12.15              | 0.016 | 12.01                 | 0.016 | 12.02               | 0.016 |
| 10              | 16QAM      | 50      | 0            | 12.07              | 0.016 | 12.06                 | 0.016 | 12.04               | 0.016 |
| 10              | 64QAM      | 1       | 0            | 12.19              | 0.017 | 12.13                 | 0.016 | 12.17               | 0.016 |
| 10              | 64QAM      | 1       | 25           | 11.99              | 0.016 | 12.01                 | 0.016 | 12.17               | 0.016 |
| 10              | 64QAM      | 1       | 49           | 12.09              | 0.016 | 12.10                 | 0.016 | 12.21               | 0.017 |
| 10              | 64QAM      | 25      | 0            | 12.01              | 0.016 | 11.98                 | 0.016 | 11.99               | 0.016 |
| 10              | 64QAM      | 25      | 12           | 12.00              | 0.016 | 12.02                 | 0.016 | 12.15               | 0.016 |
| 10              | 64QAM      | 25      | 25           | 12.04              | 0.016 | 12.01                 | 0.016 | 12.19               | 0.017 |
| 10              | 64QAM      | 50      | 0            | 12.02              | 0.016 | 11.99                 | 0.016 | 12.10               | 0.016 |



| 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            | 13.93              | 0.025 | 13.96                 | 0.025 | 13.88               | 0.024 |
| 5               | QPSK       | 1       | 12           | 13.91              | 0.025 | 13.92                 | 0.025 | 13.93               | 0.025 |
| 5               | QPSK       | 1       | 24           | 13.83              | 0.024 | 13.85                 | 0.024 | 13.88               | 0.024 |
| 5               | QPSK       | 12      | 0            | 13.00              | 0.020 | 13.07                 | 0.020 | 13.02               | 0.020 |
| 5               | QPSK       | 12      | 7            | 12.94              | 0.020 | 12.97                 | 0.020 | 12.98               | 0.020 |
| 5               | QPSK       | 12      | 13           | 12.91              | 0.020 | 12.94                 | 0.020 | 13.00               | 0.020 |
| 5               | QPSK       | 25      | 0            | 12.88              | 0.019 | 12.97                 | 0.020 | 12.92               | 0.020 |
| 5               | 16QAM      | 1       | 0            | 12.61              | 0.018 | 12.86                 | 0.019 | 12.92               | 0.020 |
| 5               | 16QAM      | 1       | 12           | 12.86              | 0.019 | 12.92                 | 0.020 | 12.77               | 0.019 |
| 5               | 16QAM      | 1       | 24           | 12.93              | 0.020 | 12.92                 | 0.020 | 13.03               | 0.020 |
| 5               | 16QAM      | 12      | 0            | 11.99              | 0.016 | 11.95                 | 0.016 | 12.00               | 0.016 |
| 5               | 16QAM      | 12      | 7            | 12.02              | 0.016 | 11.91                 | 0.016 | 11.95               | 0.016 |
| 5               | 16QAM      | 12      | 13           | 12.07              | 0.016 | 11.93                 | 0.016 | 11.94               | 0.016 |
| 5               | 16QAM      | 25      | 0            | 11.99              | 0.016 | 11.98                 | 0.016 | 11.96               | 0.016 |
| 5               | 64QAM      | 1       | 0            | 12.11              | 0.016 | 12.05                 | 0.016 | 12.09               | 0.016 |
| 5               | 64QAM      | 1       | 12           | 11.91              | 0.016 | 11.93                 | 0.016 | 12.09               | 0.016 |
| 5               | 64QAM      | 1       | 24           | 12.01              | 0.016 | 12.02                 | 0.016 | 12.13               | 0.016 |
| 5               | 64QAM      | 12      | 0            | 11.93              | 0.016 | 11.90                 | 0.015 | 11.91               | 0.016 |
| 5               | 64QAM      | 12      | 7            | 11.92              | 0.016 | 11.94                 | 0.016 | 12.07               | 0.016 |
| 5               | 64QAM      | 12      | 13           | 11.96              | 0.016 | 11.93                 | 0.016 | 12.11               | 0.016 |
| 5               | 64QAM      | 25      | 0            | 11.94              | 0.016 | 11.91                 | 0.016 | 12.02               | 0.016 |



| 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            | 13.84              | 0.024 | 13.87                 | 0.024 | 13.79               | 0.024 |
| 3               | QPSK       | 1       | 8            | 13.82              | 0.024 | 13.83                 | 0.024 | 13.84               | 0.024 |
| 3               | QPSK       | 1       | 14           | 13.74              | 0.024 | 13.76                 | 0.024 | 13.79               | 0.024 |
| 3               | QPSK       | 8       | 0            | 12.91              | 0.020 | 12.98                 | 0.020 | 12.93               | 0.020 |
| 3               | QPSK       | 8       | 4            | 12.85              | 0.019 | 12.88                 | 0.019 | 12.89               | 0.019 |
| 3               | QPSK       | 8       | 7            | 12.82              | 0.019 | 12.85                 | 0.019 | 12.91               | 0.020 |
| 3               | QPSK       | 15      | 0            | 12.79              | 0.019 | 12.88                 | 0.019 | 12.83               | 0.019 |
| 3               | 16QAM      | 1       | 0            | 12.52              | 0.018 | 12.77                 | 0.019 | 12.83               | 0.019 |
| 3               | 16QAM      | 1       | 8            | 12.77              | 0.019 | 12.83                 | 0.019 | 12.68               | 0.019 |
| 3               | 16QAM      | 1       | 14           | 12.84              | 0.019 | 12.83                 | 0.019 | 12.94               | 0.020 |
| 3               | 16QAM      | 8       | 0            | 11.90              | 0.015 | 11.86                 | 0.015 | 11.91               | 0.016 |
| 3               | 16QAM      | 8       | 4            | 11.93              | 0.016 | 11.82                 | 0.015 | 11.86               | 0.015 |
| 3               | 16QAM      | 8       | 7            | 11.98              | 0.016 | 11.84                 | 0.015 | 11.85               | 0.015 |
| 3               | 16QAM      | 15      | 0            | 11.90              | 0.015 | 11.89                 | 0.015 | 11.87               | 0.015 |
| 3               | 64QAM      | 1       | 0            | 12.02              | 0.016 | 11.96                 | 0.016 | 12.00               | 0.016 |
| 3               | 64QAM      | 1       | 8            | 11.82              | 0.015 | 11.84                 | 0.015 | 12.00               | 0.016 |
| 3               | 64QAM      | 1       | 14           | 11.92              | 0.016 | 11.93                 | 0.016 | 12.04               | 0.016 |
| 3               | 64QAM      | 8       | 0            | 11.84              | 0.015 | 11.81                 | 0.015 | 11.82               | 0.015 |
| 3               | 64QAM      | 8       | 4            | 11.83              | 0.015 | 11.85                 | 0.015 | 11.98               | 0.016 |
| 3               | 64QAM      | 8       | 7            | 11.87              | 0.015 | 11.84                 | 0.015 | 12.02               | 0.016 |
| 3               | 64QAM      | 15      | 0            | 11.85              | 0.015 | 11.82                 | 0.015 | 11.93               | 0.016 |



| 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            | 13.75              | 0.024 | 13.78                 | 0.024 | 13.70               | 0.023 |
| 1.4             | QPSK       | 1       | 3            | 13.73              | 0.024 | 13.74                 | 0.024 | 13.75               | 0.024 |
| 1.4             | QPSK       | 1       | 5            | 13.65              | 0.023 | 13.67                 | 0.023 | 13.70               | 0.023 |
| 1.4             | QPSK       | 3       | 0            | 12.82              | 0.019 | 12.89                 | 0.019 | 12.84               | 0.019 |
| 1.4             | QPSK       | 3       | 1            | 12.76              | 0.019 | 12.79                 | 0.019 | 12.80               | 0.019 |
| 1.4             | QPSK       | 3       | 3            | 12.73              | 0.019 | 12.76                 | 0.019 | 12.82               | 0.019 |
| 1.4             | QPSK       | 6       | 0            | 12.70              | 0.019 | 12.79                 | 0.019 | 12.74               | 0.019 |
| 1.4             | 16QAM      | 1       | 0            | 12.43              | 0.017 | 12.68                 | 0.019 | 12.74               | 0.019 |
| 1.4             | 16QAM      | 1       | 3            | 12.68              | 0.019 | 12.74                 | 0.019 | 12.59               | 0.018 |
| 1.4             | 16QAM      | 1       | 5            | 12.75              | 0.019 | 12.74                 | 0.019 | 12.85               | 0.019 |
| 1.4             | 16QAM      | 3       | 0            | 11.81              | 0.015 | 11.77                 | 0.015 | 11.82               | 0.015 |
| 1.4             | 16QAM      | 3       | 1            | 11.84              | 0.015 | 11.73                 | 0.015 | 11.77               | 0.015 |
| 1.4             | 16QAM      | 3       | 3            | 11.89              | 0.015 | 11.75                 | 0.015 | 11.76               | 0.015 |
| 1.4             | 16QAM      | 6       | 0            | 11.81              | 0.015 | 11.80                 | 0.015 | 11.78               | 0.015 |
| 1.4             | 64QAM      | 1       | 0            | 11.93              | 0.016 | 11.87                 | 0.015 | 11.91               | 0.016 |
| 1.4             | 64QAM      | 1       | 3            | 11.73              | 0.015 | 11.75                 | 0.015 | 11.91               | 0.016 |
| 1.4             | 64QAM      | 1       | 5            | 11.83              | 0.015 | 11.84                 | 0.015 | 11.95               | 0.016 |
| 1.4             | 64QAM      | 3       | 0            | 11.75              | 0.015 | 11.72                 | 0.015 | 11.73               | 0.015 |
| 1.4             | 64QAM      | 3       | 1            | 11.74              | 0.015 | 11.76                 | 0.015 | 11.89               | 0.015 |
| 1.4             | 64QAM      | 3       | 3            | 11.78              | 0.015 | 11.75                 | 0.015 | 11.93               | 0.016 |
| 1.4             | 64QAM      | 6       | 0            | 11.76              | 0.015 | 11.73                 | 0.015 | 11.84               | 0.015 |



| LTE Band 13     |            |         |              | Measured E.R.P.    |   |                       |       |                     |   |
|-----------------|------------|---------|--------------|--------------------|---|-----------------------|-------|---------------------|---|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |   | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |   |
| Channel         |            |         |              | /                  |   | 23230                 |       | /                   |   |
| Frequency (MHz) |            |         |              | /                  |   | 782                   |       | /                   |   |
|                 |            |         |              | dBm                | W | dBm                   | W     | dBm                 | W |
| 10              | QPSK       | 1       | 0            | /                  | / | 14.69                 | 0.029 | /                   | / |
| 10              | QPSK       | 1       | 25           | /                  | / | 14.64                 | 0.029 | /                   | / |
| 10              | QPSK       | 1       | 49           | /                  | / | 14.59                 | 0.029 | /                   | / |
| 10              | QPSK       | 25      | 0            | /                  | / | 13.52                 | 0.022 | /                   | / |
| 10              | QPSK       | 25      | 12           | /                  | / | 13.48                 | 0.022 | /                   | / |
| 10              | QPSK       | 25      | 25           | /                  | / | 13.49                 | 0.022 | /                   | / |
| 10              | QPSK       | 50      | 0            | /                  | / | 13.50                 | 0.022 | /                   | / |
| 10              | 16QAM      | 1       | 0            | /                  | / | 13.65                 | 0.023 | /                   | / |
| 10              | 16QAM      | 1       | 25           | /                  | / | 13.62                 | 0.023 | /                   | / |
| 10              | 16QAM      | 1       | 49           | /                  | / | 13.73                 | 0.024 | /                   | / |
| 10              | 16QAM      | 25      | 0            | /                  | / | 12.59                 | 0.018 | /                   | / |
| 10              | 16QAM      | 25      | 12           | /                  | / | 12.59                 | 0.018 | /                   | / |
| 10              | 16QAM      | 25      | 25           | /                  | / | 12.51                 | 0.018 | /                   | / |
| 10              | 16QAM      | 50      | 0            | /                  | / | 12.55                 | 0.018 | /                   | / |
| 10              | 64QAM      | 1       | 0            | /                  | / | 12.67                 | 0.018 | /                   | / |
| 10              | 64QAM      | 1       | 25           | /                  | / | 12.76                 | 0.019 | /                   | / |
| 10              | 64QAM      | 1       | 49           | /                  | / | 12.70                 | 0.019 | /                   | / |
| 10              | 64QAM      | 25      | 0            | /                  | / | 12.57                 | 0.018 | /                   | / |
| 10              | 64QAM      | 25      | 12           | /                  | / | 12.54                 | 0.018 | /                   | / |
| 10              | 64QAM      | 25      | 25           | /                  | / | 12.58                 | 0.018 | /                   | / |
| 10              | 64QAM      | 50      | 0            | /                  | / | 12.49                 | 0.018 | /                   | / |



| LTE Band 13     |            |         |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|---------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |         |              | 23205              |       | 23230                 |       | 23255               |       |
| Frequency (MHz) |            |         |              | 779.5              |       | 782                   |       | 784.5               |       |
|                 |            |         |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1       | 0            | 14.52              | 0.028 | 14.60                 | 0.029 | 14.54               | 0.028 |
| 5               | QPSK       | 1       | 12           | 14.44              | 0.028 | 14.40                 | 0.028 | 14.46               | 0.028 |
| 5               | QPSK       | 1       | 24           | 14.31              | 0.027 | 14.28                 | 0.027 | 14.37               | 0.027 |
| 5               | QPSK       | 12      | 0            | 13.54              | 0.023 | 13.50                 | 0.022 | 13.51               | 0.022 |
| 5               | QPSK       | 12      | 7            | 13.49              | 0.022 | 13.46                 | 0.022 | 13.49               | 0.022 |
| 5               | QPSK       | 12      | 13           | 13.48              | 0.022 | 13.46                 | 0.022 | 13.40               | 0.022 |
| 5               | QPSK       | 25      | 0            | 13.40              | 0.022 | 13.46                 | 0.022 | 13.40               | 0.022 |
| 5               | 16QAM      | 1       | 0            | 13.63              | 0.023 | 13.64                 | 0.023 | 13.63               | 0.023 |
| 5               | 16QAM      | 1       | 12           | 13.54              | 0.023 | 13.60                 | 0.023 | 13.54               | 0.023 |
| 5               | 16QAM      | 1       | 24           | 13.67              | 0.023 | 13.64                 | 0.023 | 13.65               | 0.023 |
| 5               | 16QAM      | 12      | 0            | 12.54              | 0.018 | 12.55                 | 0.018 | 12.57               | 0.018 |
| 5               | 16QAM      | 12      | 7            | 12.50              | 0.018 | 12.51                 | 0.018 | 12.53               | 0.018 |
| 5               | 16QAM      | 12      | 13           | 12.43              | 0.017 | 12.46                 | 0.018 | 12.49               | 0.018 |
| 5               | 16QAM      | 25      | 0            | 12.52              | 0.018 | 12.45                 | 0.018 | 12.52               | 0.018 |
| 5               | 64QAM      | 1       | 0            | 12.65              | 0.018 | 12.59                 | 0.018 | 12.65               | 0.018 |
| 5               | 64QAM      | 1       | 12           | 12.67              | 0.018 | 12.72                 | 0.019 | 12.74               | 0.019 |
| 5               | 64QAM      | 1       | 24           | 12.60              | 0.018 | 12.63                 | 0.018 | 12.60               | 0.018 |
| 5               | 64QAM      | 12      | 0            | 12.56              | 0.018 | 12.56                 | 0.018 | 12.47               | 0.018 |
| 5               | 64QAM      | 12      | 7            | 12.49              | 0.018 | 12.44                 | 0.018 | 12.51               | 0.018 |
| 5               | 64QAM      | 12      | 13           | 12.56              | 0.018 | 12.54                 | 0.018 | 12.51               | 0.018 |
| 5               | 64QAM      | 25      | 0            | 12.43              | 0.017 | 12.46                 | 0.018 | 12.45               | 0.018 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 132072            |       | 132322             |       | 132572           |       |
| Frequency (MHz) |            |         |           | 1720              |       | 1745               |       | 1770             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 20              | QPSK       | 1       | 0         | 22.38             | 0.173 | 22.46              | 0.176 | 22.42            | 0.175 |
| 20              | QPSK       | 1       | 49        | 22.32             | 0.171 | 22.38              | 0.173 | 22.27            | 0.169 |
| 20              | QPSK       | 1       | 99        | 22.30             | 0.170 | 22.34              | 0.171 | 22.35            | 0.172 |
| 20              | QPSK       | 50      | 0         | 21.36             | 0.137 | 21.41              | 0.138 | 21.33            | 0.136 |
| 20              | QPSK       | 50      | 24        | 21.27             | 0.134 | 21.35              | 0.136 | 21.34            | 0.136 |
| 20              | QPSK       | 50      | 50        | 21.36             | 0.137 | 21.31              | 0.135 | 21.33            | 0.136 |
| 20              | QPSK       | 100     | 0         | 21.32             | 0.136 | 21.37              | 0.137 | 21.34            | 0.136 |
| 20              | 16QAM      | 1       | 0         | 21.62             | 0.145 | 21.57              | 0.144 | 21.59            | 0.144 |
| 20              | 16QAM      | 1       | 49        | 21.49             | 0.141 | 21.58              | 0.144 | 21.35            | 0.136 |
| 20              | 16QAM      | 1       | 99        | 21.43             | 0.139 | 21.50              | 0.141 | 21.58            | 0.144 |
| 20              | 16QAM      | 50      | 0         | 20.29             | 0.107 | 20.22              | 0.105 | 20.21            | 0.105 |
| 20              | 16QAM      | 50      | 24        | 20.41             | 0.110 | 20.36              | 0.109 | 20.24            | 0.106 |
| 20              | 16QAM      | 50      | 50        | 20.34             | 0.108 | 20.33              | 0.108 | 20.30            | 0.107 |
| 20              | 16QAM      | 100     | 0         | 20.35             | 0.108 | 20.32              | 0.108 | 20.22            | 0.105 |
| 20              | 64QAM      | 1       | 0         | 20.58             | 0.114 | 20.55              | 0.114 | 20.56            | 0.114 |
| 20              | 64QAM      | 1       | 49        | 20.46             | 0.111 | 20.56              | 0.114 | 20.30            | 0.107 |
| 20              | 64QAM      | 1       | 99        | 20.37             | 0.109 | 20.50              | 0.112 | 20.51            | 0.112 |
| 20              | 64QAM      | 50      | 0         | 20.26             | 0.106 | 20.21              | 0.105 | 20.21            | 0.105 |
| 20              | 64QAM      | 50      | 24        | 20.33             | 0.108 | 20.31              | 0.107 | 20.23            | 0.105 |
| 20              | 64QAM      | 50      | 50        | 20.26             | 0.106 | 20.27              | 0.106 | 20.27            | 0.106 |
| 20              | 64QAM      | 100     | 0         | 20.37             | 0.109 | 20.26              | 0.106 | 20.15            | 0.104 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 132047            |       | 132322             |       | 132597           |       |
| Frequency (MHz) |            |         |           | 1717.5            |       | 1745               |       | 1772.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 15              | QPSK       | 1       | 0         | 22.27             | 0.169 | 22.28              | 0.169 | 22.24            | 0.167 |
| 15              | QPSK       | 1       | 37        | 22.22             | 0.167 | 22.26              | 0.168 | 22.17            | 0.165 |
| 15              | QPSK       | 1       | 74        | 22.20             | 0.166 | 22.24              | 0.167 | 22.25            | 0.168 |
| 15              | QPSK       | 36      | 0         | 21.26             | 0.134 | 21.31              | 0.135 | 21.23            | 0.133 |
| 15              | QPSK       | 36      | 20        | 21.17             | 0.131 | 21.25              | 0.133 | 21.24            | 0.133 |
| 15              | QPSK       | 36      | 39        | 21.26             | 0.134 | 21.21              | 0.132 | 21.23            | 0.133 |
| 15              | QPSK       | 75      | 0         | 21.22             | 0.132 | 21.27              | 0.134 | 21.24            | 0.133 |
| 15              | 16QAM      | 1       | 0         | 21.52             | 0.142 | 21.47              | 0.140 | 21.49            | 0.141 |
| 15              | 16QAM      | 1       | 37        | 21.39             | 0.138 | 21.48              | 0.141 | 21.25            | 0.133 |
| 15              | 16QAM      | 1       | 74        | 21.33             | 0.136 | 21.40              | 0.138 | 21.48            | 0.141 |
| 15              | 16QAM      | 36      | 0         | 20.19             | 0.104 | 20.12              | 0.103 | 20.11            | 0.103 |
| 15              | 16QAM      | 36      | 20        | 20.31             | 0.107 | 20.26              | 0.106 | 20.14            | 0.103 |
| 15              | 16QAM      | 36      | 39        | 20.24             | 0.106 | 20.23              | 0.105 | 20.20            | 0.105 |
| 15              | 16QAM      | 75      | 0         | 20.25             | 0.106 | 20.22              | 0.105 | 20.12            | 0.103 |
| 15              | 64QAM      | 1       | 0         | 20.48             | 0.112 | 20.45              | 0.111 | 20.46            | 0.111 |
| 15              | 64QAM      | 1       | 37        | 20.36             | 0.109 | 20.46              | 0.111 | 20.20            | 0.105 |
| 15              | 64QAM      | 1       | 74        | 20.27             | 0.106 | 20.40              | 0.110 | 20.41            | 0.110 |
| 15              | 64QAM      | 36      | 0         | 20.16             | 0.104 | 20.11              | 0.103 | 20.11            | 0.103 |
| 15              | 64QAM      | 36      | 20        | 20.23             | 0.105 | 20.21              | 0.105 | 20.13            | 0.103 |
| 15              | 64QAM      | 36      | 39        | 20.16             | 0.104 | 20.17              | 0.104 | 20.17            | 0.104 |
| 15              | 64QAM      | 75      | 0         | 20.27             | 0.106 | 20.16              | 0.104 | 20.05            | 0.101 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 132022            |       | 132322             |       | 132622           |       |
| Frequency (MHz) |            |         |           | 1715              |       | 1745               |       | 1775             |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 10              | QPSK       | 1       | 0         | 22.19             | 0.166 | 22.20              | 0.166 | 22.16            | 0.164 |
| 10              | QPSK       | 1       | 25        | 22.14             | 0.164 | 22.18              | 0.165 | 22.09            | 0.162 |
| 10              | QPSK       | 1       | 49        | 22.12             | 0.163 | 22.16              | 0.164 | 22.17            | 0.165 |
| 10              | QPSK       | 25      | 0         | 21.18             | 0.131 | 21.23              | 0.133 | 21.15            | 0.130 |
| 10              | QPSK       | 25      | 12        | 21.09             | 0.129 | 21.17              | 0.131 | 21.16            | 0.131 |
| 10              | QPSK       | 25      | 25        | 21.18             | 0.131 | 21.13              | 0.130 | 21.15            | 0.130 |
| 10              | QPSK       | 50      | 0         | 21.14             | 0.130 | 21.19              | 0.132 | 21.16            | 0.131 |
| 10              | 16QAM      | 1       | 0         | 21.44             | 0.139 | 21.39              | 0.138 | 21.41            | 0.138 |
| 10              | 16QAM      | 1       | 25        | 21.31             | 0.135 | 21.40              | 0.138 | 21.17            | 0.131 |
| 10              | 16QAM      | 1       | 49        | 21.25             | 0.133 | 21.32              | 0.136 | 21.40            | 0.138 |
| 10              | 16QAM      | 25      | 0         | 20.11             | 0.103 | 20.04              | 0.101 | 20.03            | 0.101 |
| 10              | 16QAM      | 25      | 12        | 20.23             | 0.105 | 20.18              | 0.104 | 20.06            | 0.101 |
| 10              | 16QAM      | 25      | 25        | 20.16             | 0.104 | 20.15              | 0.104 | 20.12            | 0.103 |
| 10              | 16QAM      | 50      | 0         | 20.17             | 0.104 | 20.14              | 0.103 | 20.04            | 0.101 |
| 10              | 64QAM      | 1       | 0         | 20.40             | 0.110 | 20.37              | 0.109 | 20.38            | 0.109 |
| 10              | 64QAM      | 1       | 25        | 20.28             | 0.107 | 20.38              | 0.109 | 20.12            | 0.103 |
| 10              | 64QAM      | 1       | 49        | 20.19             | 0.104 | 20.32              | 0.108 | 20.33            | 0.108 |
| 10              | 64QAM      | 25      | 0         | 20.08             | 0.102 | 20.03              | 0.101 | 20.03            | 0.101 |
| 10              | 64QAM      | 25      | 12        | 20.15             | 0.104 | 20.13              | 0.103 | 20.05            | 0.101 |
| 10              | 64QAM      | 25      | 25        | 20.08             | 0.102 | 20.09              | 0.102 | 20.09            | 0.102 |
| 10              | 64QAM      | 50      | 0         | 20.19             | 0.104 | 20.08              | 0.102 | 19.97            | 0.099 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 131997            |       | 132322             |       | 132647           |       |
| Frequency (MHz) |            |         |           | 1712.5            |       | 1745               |       | 1777.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 5               | QPSK       | 1       | 0         | 22.11             | 0.163 | 22.12              | 0.163 | 22.08            | 0.161 |
| 5               | QPSK       | 1       | 12        | 22.06             | 0.161 | 22.10              | 0.162 | 22.01            | 0.159 |
| 5               | QPSK       | 1       | 24        | 22.04             | 0.160 | 22.08              | 0.161 | 22.09            | 0.162 |
| 5               | QPSK       | 12      | 0         | 21.10             | 0.129 | 21.15              | 0.130 | 21.07            | 0.128 |
| 5               | QPSK       | 12      | 7         | 21.01             | 0.126 | 21.09              | 0.129 | 21.08            | 0.128 |
| 5               | QPSK       | 12      | 13        | 21.10             | 0.129 | 21.05              | 0.127 | 21.07            | 0.128 |
| 5               | QPSK       | 25      | 0         | 21.06             | 0.128 | 21.11              | 0.129 | 21.08            | 0.128 |
| 5               | 16QAM      | 1       | 0         | 21.36             | 0.137 | 21.31              | 0.135 | 21.33            | 0.136 |
| 5               | 16QAM      | 1       | 12        | 21.23             | 0.133 | 21.32              | 0.136 | 21.09            | 0.129 |
| 5               | 16QAM      | 1       | 24        | 21.17             | 0.131 | 21.24              | 0.133 | 21.32            | 0.136 |
| 5               | 16QAM      | 12      | 0         | 20.03             | 0.101 | 19.96              | 0.099 | 19.95            | 0.099 |
| 5               | 16QAM      | 12      | 7         | 20.15             | 0.104 | 20.10              | 0.102 | 19.98            | 0.100 |
| 5               | 16QAM      | 12      | 13        | 20.08             | 0.102 | 20.07              | 0.102 | 20.04            | 0.101 |
| 5               | 16QAM      | 25      | 0         | 20.09             | 0.102 | 20.06              | 0.101 | 19.96            | 0.099 |
| 5               | 64QAM      | 1       | 0         | 20.32             | 0.108 | 20.29              | 0.107 | 20.30            | 0.107 |
| 5               | 64QAM      | 1       | 12        | 20.20             | 0.105 | 20.30              | 0.107 | 20.04            | 0.101 |
| 5               | 64QAM      | 1       | 24        | 20.11             | 0.103 | 20.24              | 0.106 | 20.25            | 0.106 |
| 5               | 64QAM      | 12      | 0         | 20.00             | 0.100 | 19.95              | 0.099 | 19.95            | 0.099 |
| 5               | 64QAM      | 12      | 7         | 20.07             | 0.102 | 20.05              | 0.101 | 19.97            | 0.099 |
| 5               | 64QAM      | 12      | 13        | 20.00             | 0.100 | 20.01              | 0.100 | 20.01            | 0.100 |
| 5               | 64QAM      | 25      | 0         | 20.11             | 0.103 | 20.00              | 0.100 | 19.89            | 0.097 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 131987            |       | 132322             |       | 132657           |       |
| Frequency (MHz) |            |         |           | 1711.5            |       | 1745               |       | 1778.5           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 3               | QPSK       | 1       | 0         | 22.03             | 0.160 | 22.04              | 0.160 | 22.00            | 0.158 |
| 3               | QPSK       | 1       | 8         | 21.98             | 0.158 | 22.02              | 0.159 | 21.93            | 0.156 |
| 3               | QPSK       | 1       | 14        | 21.96             | 0.157 | 22.00              | 0.158 | 22.01            | 0.159 |
| 3               | QPSK       | 8       | 0         | 21.02             | 0.126 | 21.07              | 0.128 | 20.99            | 0.126 |
| 3               | QPSK       | 8       | 4         | 20.93             | 0.124 | 21.01              | 0.126 | 21.00            | 0.126 |
| 3               | QPSK       | 8       | 7         | 21.02             | 0.126 | 20.97              | 0.125 | 20.99            | 0.126 |
| 3               | QPSK       | 15      | 0         | 20.98             | 0.125 | 21.03              | 0.127 | 21.00            | 0.126 |
| 3               | 16QAM      | 1       | 0         | 21.28             | 0.134 | 21.23              | 0.133 | 21.25            | 0.133 |
| 3               | 16QAM      | 1       | 8         | 21.15             | 0.130 | 21.24              | 0.133 | 21.01            | 0.126 |
| 3               | 16QAM      | 1       | 14        | 21.09             | 0.129 | 21.16              | 0.131 | 21.24            | 0.133 |
| 3               | 16QAM      | 8       | 0         | 19.95             | 0.099 | 19.88              | 0.097 | 19.87            | 0.097 |
| 3               | 16QAM      | 8       | 4         | 20.07             | 0.102 | 20.02              | 0.100 | 19.90            | 0.098 |
| 3               | 16QAM      | 8       | 7         | 20.00             | 0.100 | 19.99              | 0.100 | 19.96            | 0.099 |
| 3               | 16QAM      | 15      | 0         | 20.01             | 0.100 | 19.98              | 0.100 | 19.88            | 0.097 |
| 3               | 64QAM      | 1       | 0         | 20.24             | 0.106 | 20.21              | 0.105 | 20.22            | 0.105 |
| 3               | 64QAM      | 1       | 8         | 20.12             | 0.103 | 20.22              | 0.105 | 19.96            | 0.099 |
| 3               | 64QAM      | 1       | 14        | 20.03             | 0.101 | 20.16              | 0.104 | 20.17            | 0.104 |
| 3               | 64QAM      | 8       | 0         | 19.92             | 0.098 | 19.87              | 0.097 | 19.87            | 0.097 |
| 3               | 64QAM      | 8       | 4         | 19.99             | 0.100 | 19.97              | 0.099 | 19.89            | 0.097 |
| 3               | 64QAM      | 8       | 7         | 19.92             | 0.098 | 19.93              | 0.098 | 19.93            | 0.098 |
| 3               | 64QAM      | 15      | 0         | 20.03             | 0.101 | 19.92              | 0.098 | 19.81            | 0.096 |



| LTE Band 66     |            |         |           | Measured E.I.R.P. |       |                    |       |                  |       |
|-----------------|------------|---------|-----------|-------------------|-------|--------------------|-------|------------------|-------|
| BW [MHz]        | Modulation | RB Size | RB Offset | Low Ch. / Freq.   |       | Middle Ch. / Freq. |       | High Ch. / Freq. |       |
| Channel         |            |         |           | 131979            |       | 132322             |       | 132665           |       |
| Frequency (MHz) |            |         |           | 1710.7            |       | 1745               |       | 1779.3           |       |
|                 |            |         |           | dBm               | W     | dBm                | W     | dBm              | W     |
| 1.4             | QPSK       | 1       | 0         | 21.95             | 0.157 | 21.96              | 0.157 | 21.92            | 0.156 |
| 1.4             | QPSK       | 1       | 3         | 21.90             | 0.155 | 21.94              | 0.156 | 21.85            | 0.153 |
| 1.4             | QPSK       | 1       | 5         | 21.88             | 0.154 | 21.92              | 0.156 | 21.93            | 0.156 |
| 1.4             | QPSK       | 3       | 0         | 20.94             | 0.124 | 20.99              | 0.126 | 20.91            | 0.123 |
| 1.4             | QPSK       | 3       | 1         | 20.85             | 0.122 | 20.93              | 0.124 | 20.92            | 0.124 |
| 1.4             | QPSK       | 3       | 3         | 20.94             | 0.124 | 20.89              | 0.123 | 20.91            | 0.123 |
| 1.4             | QPSK       | 6       | 0         | 20.90             | 0.123 | 20.95              | 0.124 | 20.92            | 0.124 |
| 1.4             | 16QAM      | 1       | 0         | 21.20             | 0.132 | 21.15              | 0.130 | 21.17            | 0.131 |
| 1.4             | 16QAM      | 1       | 3         | 21.07             | 0.128 | 21.16              | 0.131 | 20.93            | 0.124 |
| 1.4             | 16QAM      | 1       | 5         | 21.01             | 0.126 | 21.08              | 0.128 | 21.16            | 0.131 |
| 1.4             | 16QAM      | 3       | 0         | 19.87             | 0.097 | 19.80              | 0.095 | 19.79            | 0.095 |
| 1.4             | 16QAM      | 3       | 1         | 19.99             | 0.100 | 19.94              | 0.099 | 19.82            | 0.096 |
| 1.4             | 16QAM      | 3       | 3         | 19.92             | 0.098 | 19.91              | 0.098 | 19.88            | 0.097 |
| 1.4             | 16QAM      | 6       | 0         | 19.93             | 0.098 | 19.90              | 0.098 | 19.80            | 0.095 |
| 1.4             | 64QAM      | 1       | 0         | 20.16             | 0.104 | 20.13              | 0.103 | 20.14            | 0.103 |
| 1.4             | 64QAM      | 1       | 3         | 20.04             | 0.101 | 20.14              | 0.103 | 19.88            | 0.097 |
| 1.4             | 64QAM      | 1       | 5         | 19.95             | 0.099 | 20.08              | 0.102 | 20.09            | 0.102 |
| 1.4             | 64QAM      | 3       | 0         | 19.84             | 0.096 | 19.79              | 0.095 | 19.79            | 0.095 |
| 1.4             | 64QAM      | 3       | 1         | 19.91             | 0.098 | 19.89              | 0.097 | 19.81            | 0.096 |
| 1.4             | 64QAM      | 3       | 3         | 19.84             | 0.096 | 19.85              | 0.097 | 19.85            | 0.097 |
| 1.4             | 64QAM      | 6       | 0         | 19.95             | 0.099 | 19.84              | 0.096 | 19.73            | 0.094 |



| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133222             |       | 133322                |       | 133372              |       |
| Frequency (MHz) |            |            |              | 673                |       | 683                   |       | 688                 |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 20              | QPSK       | 1          | 0            | 13.76              | 0.024 | 13.84                 | 0.024 | 13.79               | 0.024 |
| 20              | QPSK       | 1          | 49           | 13.73              | 0.024 | 13.69                 | 0.023 | 13.66               | 0.023 |
| 20              | QPSK       | 1          | 99           | 13.61              | 0.023 | 13.59                 | 0.023 | 13.52               | 0.022 |
| 20              | QPSK       | 50         | 0            | 12.97              | 0.020 | 13.08                 | 0.020 | 13.04               | 0.020 |
| 20              | QPSK       | 50         | 24           | 12.93              | 0.020 | 12.94                 | 0.020 | 12.80               | 0.019 |
| 20              | QPSK       | 50         | 50           | 12.90              | 0.019 | 12.83                 | 0.019 | 12.76               | 0.019 |
| 20              | QPSK       | 100        | 0            | 12.93              | 0.020 | 12.96                 | 0.020 | 12.83               | 0.019 |
| 20              | 16QAM      | 1          | 0            | 12.83              | 0.019 | 12.84                 | 0.019 | 12.72               | 0.019 |
| 20              | 16QAM      | 1          | 49           | 12.73              | 0.019 | 12.76                 | 0.019 | 12.80               | 0.019 |
| 20              | 16QAM      | 1          | 99           | 12.65              | 0.018 | 12.69                 | 0.019 | 12.66               | 0.018 |
| 20              | 16QAM      | 50         | 0            | 11.70              | 0.015 | 11.77                 | 0.015 | 11.58               | 0.014 |
| 20              | 16QAM      | 50         | 24           | 11.78              | 0.015 | 11.73                 | 0.015 | 11.75               | 0.015 |
| 20              | 16QAM      | 50         | 50           | 11.60              | 0.014 | 11.65                 | 0.015 | 11.58               | 0.014 |
| 20              | 16QAM      | 100        | 0            | 11.69              | 0.015 | 11.70                 | 0.015 | 11.64               | 0.015 |
| 20              | 64QAM      | 1          | 0            | 11.74              | 0.015 | 11.81                 | 0.015 | 11.72               | 0.015 |
| 20              | 64QAM      | 1          | 49           | 11.56              | 0.014 | 11.64                 | 0.015 | 11.67               | 0.015 |
| 20              | 64QAM      | 1          | 99           | 11.63              | 0.015 | 11.65                 | 0.015 | 11.66               | 0.015 |
| 20              | 64QAM      | 50         | 0            | 11.62              | 0.015 | 11.67                 | 0.015 | 11.62               | 0.015 |
| 20              | 64QAM      | 50         | 24           | 11.66              | 0.015 | 11.62                 | 0.015 | 11.58               | 0.014 |
| 20              | 64QAM      | 50         | 50           | 11.53              | 0.014 | 11.60                 | 0.014 | 11.47               | 0.014 |
| 20              | 64QAM      | 100        | 0            | 11.45              | 0.014 | 11.63                 | 0.015 | 11.49               | 0.014 |



| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133197             |       | 133297                |       | 133397              |       |
| Frequency (MHz) |            |            |              | 670.5              |       | 680.5                 |       | 690.5               |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 15              | QPSK       | 1          | 0            | 13.33              | 0.022 | 13.38                 | 0.022 | 13.34               | 0.022 |
| 15              | QPSK       | 1          | 37           | 13.26              | 0.021 | 13.22                 | 0.021 | 13.19               | 0.021 |
| 15              | QPSK       | 1          | 74           | 13.14              | 0.021 | 13.12                 | 0.021 | 13.05               | 0.020 |
| 15              | QPSK       | 36         | 0            | 12.50              | 0.018 | 12.61                 | 0.018 | 12.57               | 0.018 |
| 15              | QPSK       | 36         | 20           | 12.46              | 0.018 | 12.47                 | 0.018 | 12.33               | 0.017 |
| 15              | QPSK       | 36         | 39           | 12.43              | 0.017 | 12.36                 | 0.017 | 12.29               | 0.017 |
| 15              | QPSK       | 75         | 0            | 12.46              | 0.018 | 12.49                 | 0.018 | 12.36               | 0.017 |
| 15              | 16QAM      | 1          | 0            | 12.36              | 0.017 | 12.37                 | 0.017 | 12.25               | 0.017 |
| 15              | 16QAM      | 1          | 37           | 12.26              | 0.017 | 12.29                 | 0.017 | 12.33               | 0.017 |
| 15              | 16QAM      | 1          | 74           | 12.18              | 0.017 | 12.22                 | 0.017 | 12.19               | 0.017 |
| 15              | 16QAM      | 36         | 0            | 11.23              | 0.013 | 11.30                 | 0.013 | 11.11               | 0.013 |
| 15              | 16QAM      | 36         | 20           | 11.31              | 0.014 | 11.26                 | 0.013 | 11.28               | 0.013 |
| 15              | 16QAM      | 36         | 39           | 11.13              | 0.013 | 11.18                 | 0.013 | 11.11               | 0.013 |
| 15              | 16QAM      | 75         | 0            | 11.22              | 0.013 | 11.23                 | 0.013 | 11.17               | 0.013 |
| 15              | 64QAM      | 1          | 0            | 11.27              | 0.013 | 11.34                 | 0.014 | 11.25               | 0.013 |
| 15              | 64QAM      | 1          | 37           | 11.09              | 0.013 | 11.17                 | 0.013 | 11.20               | 0.013 |
| 15              | 64QAM      | 1          | 74           | 11.16              | 0.013 | 11.18                 | 0.013 | 11.19               | 0.013 |
| 15              | 64QAM      | 36         | 0            | 11.15              | 0.013 | 11.20                 | 0.013 | 11.15               | 0.013 |
| 15              | 64QAM      | 36         | 20           | 11.19              | 0.013 | 11.15                 | 0.013 | 11.11               | 0.013 |
| 15              | 64QAM      | 36         | 39           | 11.06              | 0.013 | 11.13                 | 0.013 | 11.00               | 0.013 |
| 15              | 64QAM      | 75         | 0            | 10.98              | 0.013 | 11.16                 | 0.013 | 11.02               | 0.013 |



| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133172             |       | 133297                |       | 133422              |       |
| Frequency (MHz) |            |            |              | 668                |       | 680.5                 |       | 693                 |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 10              | QPSK       | 1          | 0            | 13.25              | 0.021 | 13.30                 | 0.021 | 13.26               | 0.021 |
| 10              | QPSK       | 1          | 25           | 13.18              | 0.021 | 13.14                 | 0.021 | 13.11               | 0.020 |
| 10              | QPSK       | 1          | 49           | 13.06              | 0.020 | 13.04                 | 0.020 | 12.97               | 0.020 |
| 10              | QPSK       | 25         | 0            | 12.42              | 0.017 | 12.53                 | 0.018 | 12.49               | 0.018 |
| 10              | QPSK       | 25         | 12           | 12.38              | 0.017 | 12.39                 | 0.017 | 12.25               | 0.017 |
| 10              | QPSK       | 25         | 25           | 12.35              | 0.017 | 12.28                 | 0.017 | 12.21               | 0.017 |
| 10              | QPSK       | 50         | 0            | 12.38              | 0.017 | 12.41                 | 0.017 | 12.28               | 0.017 |
| 10              | 16QAM      | 1          | 0            | 12.28              | 0.017 | 12.29                 | 0.017 | 12.17               | 0.016 |
| 10              | 16QAM      | 1          | 25           | 12.18              | 0.017 | 12.21                 | 0.017 | 12.25               | 0.017 |
| 10              | 16QAM      | 1          | 49           | 12.10              | 0.016 | 12.14                 | 0.016 | 12.11               | 0.016 |
| 10              | 16QAM      | 25         | 0            | 11.15              | 0.013 | 11.22                 | 0.013 | 11.03               | 0.013 |
| 10              | 16QAM      | 25         | 12           | 11.23              | 0.013 | 11.18                 | 0.013 | 11.20               | 0.013 |
| 10              | 16QAM      | 25         | 25           | 11.05              | 0.013 | 11.10                 | 0.013 | 11.03               | 0.013 |
| 10              | 16QAM      | 50         | 0            | 11.14              | 0.013 | 11.15                 | 0.013 | 11.09               | 0.013 |
| 10              | 64QAM      | 1          | 0            | 11.19              | 0.013 | 11.26                 | 0.013 | 11.17               | 0.013 |
| 10              | 64QAM      | 1          | 25           | 11.01              | 0.013 | 11.09                 | 0.013 | 11.12               | 0.013 |
| 10              | 64QAM      | 1          | 49           | 11.08              | 0.013 | 11.10                 | 0.013 | 11.11               | 0.013 |
| 10              | 64QAM      | 25         | 0            | 11.07              | 0.013 | 11.12                 | 0.013 | 11.07               | 0.013 |
| 10              | 64QAM      | 25         | 12           | 11.11              | 0.013 | 11.07                 | 0.013 | 11.03               | 0.013 |
| 10              | 64QAM      | 25         | 25           | 10.98              | 0.013 | 11.05                 | 0.013 | 10.92               | 0.012 |
| 10              | 64QAM      | 50         | 0            | 10.90              | 0.012 | 11.08                 | 0.013 | 10.94               | 0.012 |



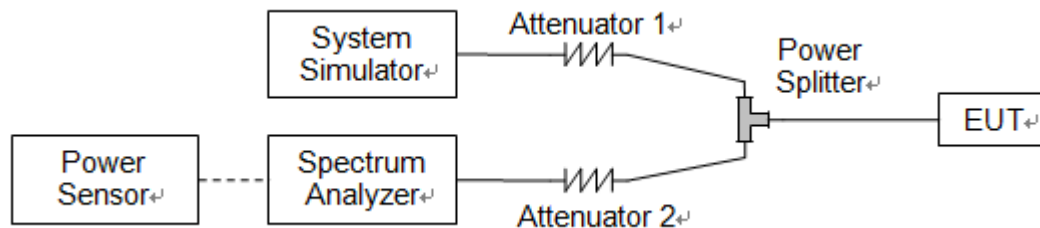
| LTE Band 71     |            |            |              | Measured E.R.P.    |       |                       |       |                     |       |
|-----------------|------------|------------|--------------|--------------------|-------|-----------------------|-------|---------------------|-------|
| BW<br>[MHz]     | Modulation | RB<br>Size | RB<br>Offset | Low<br>Ch. / Freq. |       | Middle<br>Ch. / Freq. |       | High<br>Ch. / Freq. |       |
| Channel         |            |            |              | 133147             |       | 133297                |       | 133447              |       |
| Frequency (MHz) |            |            |              | 665.5              |       | 680.5                 |       | 695.5               |       |
|                 |            |            |              | dBm                | W     | dBm                   | W     | dBm                 | W     |
| 5               | QPSK       | 1          | 0            | 13.17              | 0.021 | 13.22                 | 0.021 | 13.18               | 0.021 |
| 5               | QPSK       | 1          | 12           | 13.10              | 0.020 | 13.06                 | 0.020 | 13.03               | 0.020 |
| 5               | QPSK       | 1          | 24           | 12.98              | 0.020 | 12.96                 | 0.020 | 12.89               | 0.019 |
| 5               | QPSK       | 12         | 0            | 12.34              | 0.017 | 12.45                 | 0.018 | 12.41               | 0.017 |
| 5               | QPSK       | 12         | 7            | 12.30              | 0.017 | 12.31                 | 0.017 | 12.17               | 0.016 |
| 5               | QPSK       | 12         | 13           | 12.27              | 0.017 | 12.20                 | 0.017 | 12.13               | 0.016 |
| 5               | QPSK       | 25         | 0            | 12.30              | 0.017 | 12.33                 | 0.017 | 12.20               | 0.017 |
| 5               | 16QAM      | 1          | 0            | 12.20              | 0.017 | 12.21                 | 0.017 | 12.09               | 0.016 |
| 5               | 16QAM      | 1          | 12           | 12.10              | 0.016 | 12.13                 | 0.016 | 12.17               | 0.016 |
| 5               | 16QAM      | 1          | 24           | 12.02              | 0.016 | 12.06                 | 0.016 | 12.03               | 0.016 |
| 5               | 16QAM      | 12         | 0            | 11.07              | 0.013 | 11.14                 | 0.013 | 10.95               | 0.012 |
| 5               | 16QAM      | 12         | 7            | 11.15              | 0.013 | 11.10                 | 0.013 | 11.12               | 0.013 |
| 5               | 16QAM      | 12         | 13           | 10.97              | 0.013 | 11.02                 | 0.013 | 10.95               | 0.012 |
| 5               | 16QAM      | 25         | 0            | 11.06              | 0.013 | 11.07                 | 0.013 | 11.01               | 0.013 |
| 5               | 64QAM      | 1          | 0            | 11.11              | 0.013 | 11.18                 | 0.013 | 11.09               | 0.013 |
| 5               | 64QAM      | 1          | 12           | 10.93              | 0.012 | 11.01                 | 0.013 | 11.04               | 0.013 |
| 5               | 64QAM      | 1          | 24           | 11.00              | 0.013 | 11.02                 | 0.013 | 11.03               | 0.013 |
| 5               | 64QAM      | 12         | 0            | 10.99              | 0.013 | 11.04                 | 0.013 | 10.99               | 0.013 |
| 5               | 64QAM      | 12         | 7            | 11.03              | 0.013 | 10.99                 | 0.013 | 10.95               | 0.012 |
| 5               | 64QAM      | 12         | 13           | 10.90              | 0.012 | 10.97                 | 0.013 | 10.84               | 0.012 |
| 5               | 64QAM      | 25         | 0            | 10.82              | 0.012 | 11.00                 | 0.013 | 10.86               | 0.012 |

## 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.



## Test Result

| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B2       | 1.4     | Low           | 18607   | 1850.7          | QPSK       | 1.0933       | 1.2788        | PASS    |
| B2       | 1.4     | Low           | 18607   | 1850.7          | 16QAM      | 1.1010       | 1.2844        | PASS    |
| B2       | 1.4     | Low           | 18607   | 1850.7          | 64QAM      | 1.0969       | 1.2930        | PASS    |
| B2       | 1.4     | Mid           | 18900   | 1880            | QPSK       | 1.0974       | 1.2680        | PASS    |
| B2       | 1.4     | Mid           | 18900   | 1880            | 16QAM      | 1.1003       | 1.2866        | PASS    |
| B2       | 1.4     | Mid           | 18900   | 1880            | 64QAM      | 1.0958       | 1.2894        | PASS    |
| B2       | 1.4     | High          | 19193   | 1909.3          | QPSK       | 1.0970       | 1.2823        | PASS    |
| B2       | 1.4     | High          | 19193   | 1909.3          | 16QAM      | 1.0990       | 1.2907        | PASS    |
| B2       | 1.4     | High          | 19193   | 1909.3          | 64QAM      | 1.0981       | 1.2968        | PASS    |
| B2       | 3       | Low           | 18615   | 1851.5          | QPSK       | 2.6974       | 2.9885        | PASS    |
| B2       | 3       | Low           | 18615   | 1851.5          | 16QAM      | 2.6960       | 2.9869        | PASS    |
| B2       | 3       | Low           | 18615   | 1851.5          | 64QAM      | 2.7059       | 2.9874        | PASS    |
| B2       | 3       | Mid           | 18900   | 1880            | QPSK       | 2.6975       | 2.9713        | PASS    |
| B2       | 3       | Mid           | 18900   | 1880            | 16QAM      | 2.6947       | 2.9874        | PASS    |
| B2       | 3       | Mid           | 18900   | 1880            | 64QAM      | 2.7036       | 2.9800        | PASS    |
| B2       | 3       | High          | 19185   | 1908.5          | QPSK       | 2.6994       | 2.9995        | PASS    |
| B2       | 3       | High          | 19185   | 1908.5          | 16QAM      | 2.6935       | 2.9922        | PASS    |
| B2       | 3       | High          | 19185   | 1908.5          | 64QAM      | 2.7048       | 2.9910        | PASS    |
| B2       | 5       | Low           | 18625   | 1852.5          | QPSK       | 4.4732       | 4.9012        | PASS    |
| B2       | 5       | Low           | 18625   | 1852.5          | 16QAM      | 4.4767       | 4.9062        | PASS    |
| B2       | 5       | Low           | 18625   | 1852.5          | 64QAM      | 4.4808       | 4.8799        | PASS    |
| B2       | 5       | Mid           | 18900   | 1880            | QPSK       | 4.4735       | 4.9184        | PASS    |
| B2       | 5       | Mid           | 18900   | 1880            | 16QAM      | 4.4710       | 4.9367        | PASS    |
| B2       | 5       | Mid           | 18900   | 1880            | 64QAM      | 4.4688       | 4.8571        | PASS    |
| B2       | 5       | High          | 19175   | 1907.5          | QPSK       | 4.4729       | 4.9283        | PASS    |
| B2       | 5       | High          | 19175   | 1907.5          | 16QAM      | 4.4686       | 4.8745        | PASS    |
| B2       | 5       | High          | 19175   | 1907.5          | 64QAM      | 4.4636       | 4.8652        | PASS    |
| B2       | 10      | Low           | 18650   | 1855            | QPSK       | 8.9179       | 9.6100        | PASS    |
| B2       | 10      | Low           | 18650   | 1855            | 16QAM      | 8.9088       | 9.6665        | PASS    |
| B2       | 10      | Low           | 18650   | 1855            | 64QAM      | 8.9232       | 9.6770        | PASS    |
| B2       | 10      | Mid           | 18900   | 1880            | QPSK       | 8.9398       | 9.6790        | PASS    |
| B2       | 10      | Mid           | 18900   | 1880            | 16QAM      | 8.9346       | 9.6914        | PASS    |
| B2       | 10      | Mid           | 18900   | 1880            | 64QAM      | 8.9502       | 9.6355        | PASS    |



REPORT No.: SZ24080214W05

|    |    |      |       |        |       |        |        |      |
|----|----|------|-------|--------|-------|--------|--------|------|
| B2 | 10 | High | 19150 | 1905   | QPSK  | 8.9412 | 9.5886 | PASS |
| B2 | 10 | High | 19150 | 1905   | 16QAM | 8.9298 | 9.5992 | PASS |
| B2 | 10 | High | 19150 | 1905   | 64QAM | 8.9336 | 9.6782 | PASS |
| B2 | 15 | Low  | 18675 | 1857.5 | QPSK  | 13.397 | 14.355 | PASS |
| B2 | 15 | Low  | 18675 | 1857.5 | 16QAM | 13.383 | 14.370 | PASS |
| B2 | 15 | Low  | 18675 | 1857.5 | 64QAM | 13.374 | 14.379 | PASS |
| B2 | 15 | Mid  | 18900 | 1880   | QPSK  | 13.435 | 14.433 | PASS |
| B2 | 15 | Mid  | 18900 | 1880   | 16QAM | 13.420 | 14.357 | PASS |
| B2 | 15 | Mid  | 18900 | 1880   | 64QAM | 13.383 | 14.502 | PASS |
| B2 | 15 | High | 19125 | 1902.5 | QPSK  | 13.433 | 14.380 | PASS |
| B2 | 15 | High | 19125 | 1902.5 | 16QAM | 13.424 | 14.371 | PASS |
| B2 | 15 | High | 19125 | 1902.5 | 64QAM | 13.402 | 14.478 | PASS |
| B2 | 20 | Low  | 18700 | 1860   | QPSK  | 17.815 | 19.054 | PASS |
| B2 | 20 | Low  | 18700 | 1860   | 16QAM | 17.865 | 18.875 | PASS |
| B2 | 20 | Low  | 18700 | 1860   | 64QAM | 17.843 | 19.139 | PASS |
| B2 | 20 | Mid  | 18900 | 1880   | QPSK  | 17.863 | 18.971 | PASS |
| B2 | 20 | Mid  | 18900 | 1880   | 16QAM | 17.861 | 19.109 | PASS |
| B2 | 20 | Mid  | 18900 | 1880   | 64QAM | 17.859 | 19.166 | PASS |
| B2 | 20 | High | 19100 | 1900   | QPSK  | 17.880 | 19.056 | PASS |
| B2 | 20 | High | 19100 | 1900   | 16QAM | 17.903 | 19.152 | PASS |
| B2 | 20 | High | 19100 | 1900   | 64QAM | 17.862 | 19.349 | PASS |



| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B4       | 1.4     | Low           | 19957   | 1710.7          | QPSK       | 1.0927       | 1.2819        | PASS    |
| B4       | 1.4     | Low           | 19957   | 1710.7          | 16QAM      | 1.0967       | 1.3081        | PASS    |
| B4       | 1.4     | Low           | 19957   | 1710.7          | 64QAM      | 1.1011       | 1.2875        | PASS    |
| B4       | 1.4     | Mid           | 20175   | 1732.5          | QPSK       | 1.0952       | 1.2921        | PASS    |
| B4       | 1.4     | Mid           | 20175   | 1732.5          | 16QAM      | 1.1009       | 1.3020        | PASS    |
| B4       | 1.4     | Mid           | 20175   | 1732.5          | 64QAM      | 1.0986       | 1.2967        | PASS    |
| B4       | 1.4     | High          | 20393   | 1754.3          | QPSK       | 1.0957       | 1.2785        | PASS    |
| B4       | 1.4     | High          | 20393   | 1754.3          | 16QAM      | 1.1004       | 1.2974        | PASS    |
| B4       | 1.4     | High          | 20393   | 1754.3          | 64QAM      | 1.1001       | 1.3029        | PASS    |
| B4       | 3       | Low           | 19965   | 1711.5          | QPSK       | 2.6947       | 2.9345        | PASS    |
| B4       | 3       | Low           | 19965   | 1711.5          | 16QAM      | 2.6959       | 2.9355        | PASS    |
| B4       | 3       | Low           | 19965   | 1711.5          | 64QAM      | 2.7024       | 2.9304        | PASS    |
| B4       | 3       | Mid           | 20175   | 1732.5          | QPSK       | 2.6932       | 2.9429        | PASS    |
| B4       | 3       | Mid           | 20175   | 1732.5          | 16QAM      | 2.6939       | 2.9409        | PASS    |
| B4       | 3       | Mid           | 20175   | 1732.5          | 64QAM      | 2.7012       | 2.9250        | PASS    |
| B4       | 3       | High          | 20385   | 1753.5          | QPSK       | 2.6967       | 2.9448        | PASS    |
| B4       | 3       | High          | 20385   | 1753.5          | 16QAM      | 2.6891       | 2.9530        | PASS    |
| B4       | 3       | High          | 20385   | 1753.5          | 64QAM      | 2.6985       | 2.9358        | PASS    |
| B4       | 5       | Low           | 19975   | 1712.5          | QPSK       | 4.4805       | 4.9211        | PASS    |
| B4       | 5       | Low           | 19975   | 1712.5          | 16QAM      | 4.4880       | 4.9263        | PASS    |
| B4       | 5       | Low           | 19975   | 1712.5          | 64QAM      | 4.4942       | 4.9213        | PASS    |
| B4       | 5       | Mid           | 20175   | 1732.5          | QPSK       | 4.4859       | 4.9201        | PASS    |
| B4       | 5       | Mid           | 20175   | 1732.5          | 16QAM      | 4.4841       | 4.9071        | PASS    |
| B4       | 5       | Mid           | 20175   | 1732.5          | 64QAM      | 4.4928       | 4.9230        | PASS    |
| B4       | 5       | High          | 20375   | 1752.5          | QPSK       | 4.4843       | 4.9060        | PASS    |
| B4       | 5       | High          | 20375   | 1752.5          | 16QAM      | 4.4815       | 4.8859        | PASS    |
| B4       | 5       | High          | 20375   | 1752.5          | 64QAM      | 4.4904       | 4.9097        | PASS    |
| B4       | 10      | Low           | 20000   | 1715            | QPSK       | 8.9810       | 9.7377        | PASS    |
| B4       | 10      | Low           | 20000   | 1715            | 16QAM      | 8.9412       | 9.6227        | PASS    |
| B4       | 10      | Low           | 20000   | 1715            | 64QAM      | 8.9747       | 9.7453        | PASS    |
| B4       | 10      | Mid           | 20175   | 1732.5          | QPSK       | 8.9656       | 9.6435        | PASS    |
| B4       | 10      | Mid           | 20175   | 1732.5          | 16QAM      | 8.9544       | 9.6306        | PASS    |
| B4       | 10      | Mid           | 20175   | 1732.5          | 64QAM      | 8.9672       | 9.7361        | PASS    |
| B4       | 10      | High          | 20350   | 1750            | QPSK       | 8.9786       | 9.7287        | PASS    |
| B4       | 10      | High          | 20350   | 1750            | 16QAM      | 8.9527       | 9.6734        | PASS    |



REPORT No.: SZ24080214W05

|    |    |      |       |        |       |        |        |      |
|----|----|------|-------|--------|-------|--------|--------|------|
| B4 | 10 | High | 20350 | 1750   | 64QAM | 8.9587 | 9.6913 | PASS |
| B4 | 15 | Low  | 20025 | 1717.5 | QPSK  | 13.455 | 14.463 | PASS |
| B4 | 15 | Low  | 20025 | 1717.5 | 16QAM | 13.450 | 14.607 | PASS |
| B4 | 15 | Low  | 20025 | 1717.5 | 64QAM | 13.412 | 14.454 | PASS |
| B4 | 15 | Mid  | 20175 | 1732.5 | QPSK  | 13.475 | 14.430 | PASS |
| B4 | 15 | Mid  | 20175 | 1732.5 | 16QAM | 13.438 | 14.570 | PASS |
| B4 | 15 | Mid  | 20175 | 1732.5 | 64QAM | 13.400 | 14.507 | PASS |
| B4 | 15 | High | 20325 | 1747.5 | QPSK  | 13.458 | 14.438 | PASS |
| B4 | 15 | High | 20325 | 1747.5 | 16QAM | 13.434 | 14.506 | PASS |
| B4 | 15 | High | 20325 | 1747.5 | 64QAM | 13.436 | 14.505 | PASS |
| B4 | 20 | Low  | 20050 | 1720   | QPSK  | 17.904 | 19.157 | PASS |
| B4 | 20 | Low  | 20050 | 1720   | 16QAM | 17.934 | 19.145 | PASS |
| B4 | 20 | Low  | 20050 | 1720   | 64QAM | 17.899 | 19.246 | PASS |
| B4 | 20 | Mid  | 20175 | 1732.5 | QPSK  | 17.876 | 19.189 | PASS |
| B4 | 20 | Mid  | 20175 | 1732.5 | 16QAM | 17.931 | 19.174 | PASS |
| B4 | 20 | Mid  | 20175 | 1732.5 | 64QAM | 17.910 | 19.175 | PASS |
| B4 | 20 | High | 20300 | 1745   | QPSK  | 17.912 | 19.286 | PASS |
| B4 | 20 | High | 20300 | 1745   | 16QAM | 17.935 | 19.182 | PASS |
| B4 | 20 | High | 20300 | 1745   | 64QAM | 17.898 | 19.304 | PASS |



| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B5       | 1.4     | Low           | 20407   | 824.7           | QPSK       | 1.0942       | 1.2746        | PASS    |
| B5       | 1.4     | Low           | 20407   | 824.7           | 16QAM      | 1.0954       | 1.2971        | PASS    |
| B5       | 1.4     | Low           | 20407   | 824.7           | 64QAM      | 1.1010       | 1.2804        | PASS    |
| B5       | 1.4     | Mid           | 20525   | 836.5           | QPSK       | 1.0962       | 1.2826        | PASS    |
| B5       | 1.4     | Mid           | 20525   | 836.5           | 16QAM      | 1.0985       | 1.2919        | PASS    |
| B5       | 1.4     | Mid           | 20525   | 836.5           | 64QAM      | 1.1003       | 1.2894        | PASS    |
| B5       | 1.4     | High          | 20643   | 848.3           | QPSK       | 1.0953       | 1.2876        | PASS    |
| B5       | 1.4     | High          | 20643   | 848.3           | 16QAM      | 1.0965       | 1.2955        | PASS    |
| B5       | 1.4     | High          | 20643   | 848.3           | 64QAM      | 1.1004       | 1.2669        | PASS    |
| B5       | 3       | Low           | 20415   | 825.5           | QPSK       | 2.6964       | 2.9598        | PASS    |
| B5       | 3       | Low           | 20415   | 825.5           | 16QAM      | 2.6995       | 2.9801        | PASS    |
| B5       | 3       | Low           | 20415   | 825.5           | 64QAM      | 2.6999       | 2.9679        | PASS    |
| B5       | 3       | Mid           | 20525   | 836.5           | QPSK       | 2.6952       | 2.9784        | PASS    |
| B5       | 3       | Mid           | 20525   | 836.5           | 16QAM      | 2.7015       | 2.9751        | PASS    |
| B5       | 3       | Mid           | 20525   | 836.5           | 64QAM      | 2.7037       | 2.9691        | PASS    |
| B5       | 3       | High          | 20635   | 847.5           | QPSK       | 2.7000       | 2.9757        | PASS    |
| B5       | 3       | High          | 20635   | 847.5           | 16QAM      | 2.6984       | 2.9770        | PASS    |
| B5       | 3       | High          | 20635   | 847.5           | 64QAM      | 2.7025       | 2.9621        | PASS    |
| B5       | 5       | Low           | 20425   | 826.5           | QPSK       | 4.4721       | 4.9064        | PASS    |
| B5       | 5       | Low           | 20425   | 826.5           | 16QAM      | 4.4699       | 4.9308        | PASS    |
| B5       | 5       | Low           | 20425   | 826.5           | 64QAM      | 4.4813       | 4.9228        | PASS    |
| B5       | 5       | Mid           | 20525   | 836.5           | QPSK       | 4.4700       | 4.9121        | PASS    |
| B5       | 5       | Mid           | 20525   | 836.5           | 16QAM      | 4.4714       | 4.9243        | PASS    |
| B5       | 5       | Mid           | 20525   | 836.5           | 64QAM      | 4.4866       | 4.8896        | PASS    |
| B5       | 5       | High          | 20625   | 846.5           | QPSK       | 4.4707       | 4.8853        | PASS    |
| B5       | 5       | High          | 20625   | 846.5           | 16QAM      | 4.4700       | 4.9313        | PASS    |
| B5       | 5       | High          | 20625   | 846.5           | 64QAM      | 4.4727       | 4.8867        | PASS    |
| B5       | 10      | Low           | 20450   | 829             | QPSK       | 8.9405       | 9.6384        | PASS    |
| B5       | 10      | Low           | 20450   | 829             | 16QAM      | 8.9141       | 9.5966        | PASS    |
| B5       | 10      | Low           | 20450   | 829             | 64QAM      | 8.9235       | 9.6797        | PASS    |
| B5       | 10      | Mid           | 20525   | 836.5           | QPSK       | 8.9502       | 9.6786        | PASS    |
| B5       | 10      | Mid           | 20525   | 836.5           | 16QAM      | 8.9321       | 9.6651        | PASS    |
| B5       | 10      | Mid           | 20525   | 836.5           | 64QAM      | 8.9502       | 9.6833        | PASS    |
| B5       | 10      | High          | 20600   | 844             | QPSK       | 8.9295       | 9.5990        | PASS    |
| B5       | 10      | High          | 20600   | 844             | 16QAM      | 8.9000       | 9.5833        | PASS    |



REPORT No.: SZ24080214W05

|    |    |      |       |     |       |        |        |      |
|----|----|------|-------|-----|-------|--------|--------|------|
| B5 | 10 | High | 20600 | 844 | 64QAM | 8.9138 | 9.5723 | PASS |
|----|----|------|-------|-----|-------|--------|--------|------|

| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B12      | 1.4     | Low           | 23017   | 699.7           | QPSK       | 1.0939       | 1.2701        | PASS    |
| B12      | 1.4     | Low           | 23017   | 699.7           | 16QAM      | 1.1010       | 1.2810        | PASS    |
| B12      | 1.4     | Low           | 23017   | 699.7           | 64QAM      | 1.0983       | 1.3044        | PASS    |
| B12      | 1.4     | Mid           | 23095   | 707.5           | QPSK       | 1.0970       | 1.2603        | PASS    |
| B12      | 1.4     | Mid           | 23095   | 707.5           | 16QAM      | 1.1006       | 1.2869        | PASS    |
| B12      | 1.4     | Mid           | 23095   | 707.5           | 64QAM      | 1.0964       | 1.2970        | PASS    |
| B12      | 1.4     | High          | 23173   | 715.3           | QPSK       | 1.0978       | 1.2830        | PASS    |
| B12      | 1.4     | High          | 23173   | 715.3           | 16QAM      | 1.1034       | 1.2801        | PASS    |
| B12      | 1.4     | High          | 23173   | 715.3           | 64QAM      | 1.0978       | 1.2959        | PASS    |
| B12      | 3       | Low           | 23025   | 700.5           | QPSK       | 2.6968       | 2.9815        | PASS    |
| B12      | 3       | Low           | 23025   | 700.5           | 16QAM      | 2.6984       | 2.9736        | PASS    |
| B12      | 3       | Low           | 23025   | 700.5           | 64QAM      | 2.7001       | 2.9866        | PASS    |
| B12      | 3       | Mid           | 23095   | 707.5           | QPSK       | 2.6942       | 2.9660        | PASS    |
| B12      | 3       | Mid           | 23095   | 707.5           | 16QAM      | 2.6996       | 2.9919        | PASS    |
| B12      | 3       | Mid           | 23095   | 707.5           | 64QAM      | 2.7057       | 2.9914        | PASS    |
| B12      | 3       | High          | 23165   | 714.5           | QPSK       | 2.6956       | 2.9836        | PASS    |
| B12      | 3       | High          | 23165   | 714.5           | 16QAM      | 2.7028       | 2.9799        | PASS    |
| B12      | 3       | High          | 23165   | 714.5           | 64QAM      | 2.7062       | 2.9835        | PASS    |
| B12      | 5       | Low           | 23035   | 701.5           | QPSK       | 4.4768       | 4.9196        | PASS    |
| B12      | 5       | Low           | 23035   | 701.5           | 16QAM      | 4.4763       | 4.8972        | PASS    |
| B12      | 5       | Low           | 23035   | 701.5           | 64QAM      | 4.4798       | 4.8925        | PASS    |
| B12      | 5       | Mid           | 23095   | 707.5           | QPSK       | 4.4662       | 4.9106        | PASS    |
| B12      | 5       | Mid           | 23095   | 707.5           | 16QAM      | 4.4690       | 4.8723        | PASS    |
| B12      | 5       | Mid           | 23095   | 707.5           | 64QAM      | 4.4754       | 4.8658        | PASS    |
| B12      | 5       | High          | 23155   | 713.5           | QPSK       | 4.4689       | 4.9236        | PASS    |
| B12      | 5       | High          | 23155   | 713.5           | 16QAM      | 4.4711       | 4.9376        | PASS    |
| B12      | 5       | High          | 23155   | 713.5           | 64QAM      | 4.4675       | 4.8726        | PASS    |
| B12      | 10      | Low           | 23060   | 704             | QPSK       | 8.9661       | 9.6696        | PASS    |
| B12      | 10      | Low           | 23060   | 704             | 16QAM      | 8.9387       | 9.6368        | PASS    |
| B12      | 10      | Low           | 23060   | 704             | 64QAM      | 8.9543       | 9.7880        | PASS    |
| B12      | 10      | Mid           | 23095   | 707.5           | QPSK       | 8.9313       | 9.5734        | PASS    |
| B12      | 10      | Mid           | 23095   | 707.5           | 16QAM      | 8.9109       | 9.6270        | PASS    |
| B12      | 10      | Mid           | 23095   | 707.5           | 64QAM      | 8.9324       | 9.6771        | PASS    |



REPORT No.: SZ24080214W05

|     |    |      |       |     |       |        |        |      |
|-----|----|------|-------|-----|-------|--------|--------|------|
| B12 | 10 | High | 23130 | 711 | QPSK  | 8.9274 | 9.5637 | PASS |
| B12 | 10 | High | 23130 | 711 | 16QAM | 8.9010 | 9.5665 | PASS |
| B12 | 10 | High | 23130 | 711 | 64QAM | 8.9027 | 9.5775 | PASS |

| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B13      | 5       | Low           | 23205   | 779.5           | QPSK       | 4.4581       | 4.8693        | PASS    |
| B13      | 5       | Low           | 23205   | 779.5           | 16QAM      | 4.4569       | 4.8398        | PASS    |
| B13      | 5       | Low           | 23205   | 779.5           | 64QAM      | 4.4670       | 4.8807        | PASS    |
| B13      | 5       | Mid           | 23230   | 782             | QPSK       | 4.4760       | 4.9276        | PASS    |
| B13      | 5       | Mid           | 23230   | 782             | 16QAM      | 4.4824       | 4.9511        | PASS    |
| B13      | 5       | Mid           | 23230   | 782             | 64QAM      | 4.4912       | 4.8824        | PASS    |
| B13      | 5       | High          | 23255   | 784.5           | QPSK       | 4.4702       | 4.8865        | PASS    |
| B13      | 5       | High          | 23255   | 784.5           | 16QAM      | 4.4711       | 4.8850        | PASS    |
| B13      | 5       | High          | 23255   | 784.5           | 64QAM      | 4.4761       | 4.9156        | PASS    |
| B13      | 10      | Mid           | 23230   | 782             | QPSK       | 8.9333       | 9.6877        | PASS    |
| B13      | 10      | Mid           | 23230   | 782             | 16QAM      | 8.9079       | 9.6009        | PASS    |
| B13      | 10      | Mid           | 23230   | 782             | 64QAM      | 8.9162       | 9.6482        | PASS    |



| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B66      | 1.4     | Low           | 131979  | 1710.7          | QPSK       | 1.0981       | 1.2914        | PASS    |
| B66      | 1.4     | Low           | 131979  | 1710.7          | 16QAM      | 1.1004       | 1.2905        | PASS    |
| B66      | 1.4     | Low           | 131979  | 1710.7          | 64QAM      | 1.0977       | 1.2914        | PASS    |
| B66      | 1.4     | Mid           | 132322  | 1745            | QPSK       | 1.0963       | 1.2710        | PASS    |
| B66      | 1.4     | Mid           | 132322  | 1745            | 16QAM      | 1.0990       | 1.2872        | PASS    |
| B66      | 1.4     | Mid           | 132322  | 1745            | 64QAM      | 1.0984       | 1.2795        | PASS    |
| B66      | 1.4     | High          | 132665  | 1779.3          | QPSK       | 1.0975       | 1.2752        | PASS    |
| B66      | 1.4     | High          | 132665  | 1779.3          | 16QAM      | 1.1014       | 1.2965        | PASS    |
| B66      | 1.4     | High          | 132665  | 1779.3          | 64QAM      | 1.1010       | 1.2765        | PASS    |
| B66      | 3       | Low           | 131987  | 1711.5          | QPSK       | 2.6981       | 2.9716        | PASS    |
| B66      | 3       | Low           | 131987  | 1711.5          | 16QAM      | 2.6990       | 2.9866        | PASS    |
| B66      | 3       | Low           | 131987  | 1711.5          | 64QAM      | 2.6982       | 2.9738        | PASS    |
| B66      | 3       | Mid           | 132322  | 1745            | QPSK       | 2.6987       | 3.0089        | PASS    |
| B66      | 3       | Mid           | 132322  | 1745            | 16QAM      | 2.6976       | 2.9824        | PASS    |
| B66      | 3       | Mid           | 132322  | 1745            | 64QAM      | 2.7017       | 2.9606        | PASS    |
| B66      | 3       | High          | 132657  | 1778.5          | QPSK       | 2.6964       | 2.9799        | PASS    |
| B66      | 3       | High          | 132657  | 1778.5          | 16QAM      | 2.6946       | 2.9855        | PASS    |
| B66      | 3       | High          | 132657  | 1778.5          | 64QAM      | 2.6999       | 2.9730        | PASS    |
| B66      | 5       | Low           | 131997  | 1712.5          | QPSK       | 4.4738       | 4.9091        | PASS    |
| B66      | 5       | Low           | 131997  | 1712.5          | 16QAM      | 4.4684       | 4.9148        | PASS    |
| B66      | 5       | Low           | 131997  | 1712.5          | 64QAM      | 4.4776       | 4.8850        | PASS    |
| B66      | 5       | Mid           | 132322  | 1745            | QPSK       | 4.4675       | 4.9178        | PASS    |
| B66      | 5       | Mid           | 132322  | 1745            | 16QAM      | 4.4763       | 4.8801        | PASS    |
| B66      | 5       | Mid           | 132322  | 1745            | 64QAM      | 4.4826       | 4.8725        | PASS    |
| B66      | 5       | High          | 132647  | 1777.5          | QPSK       | 4.4696       | 4.9110        | PASS    |
| B66      | 5       | High          | 132647  | 1777.5          | 16QAM      | 4.4774       | 4.9063        | PASS    |
| B66      | 5       | High          | 132647  | 1777.5          | 64QAM      | 4.4829       | 4.9033        | PASS    |
| B66      | 10      | Low           | 132022  | 1715            | QPSK       | 8.9304       | 9.6298        | PASS    |
| B66      | 10      | Low           | 132022  | 1715            | 16QAM      | 8.9191       | 9.6556        | PASS    |
| B66      | 10      | Low           | 132022  | 1715            | 64QAM      | 8.9358       | 9.5901        | PASS    |
| B66      | 10      | Mid           | 132322  | 1745            | QPSK       | 8.9417       | 9.6316        | PASS    |
| B66      | 10      | Mid           | 132322  | 1745            | 16QAM      | 8.9195       | 9.6570        | PASS    |
| B66      | 10      | Mid           | 132322  | 1745            | 64QAM      | 8.9373       | 9.6750        | PASS    |
| B66      | 10      | High          | 132622  | 1775            | QPSK       | 8.9308       | 9.6476        | PASS    |
| B66      | 10      | High          | 132622  | 1775            | 16QAM      | 8.9183       | 9.6871        | PASS    |



REPORT No.: SZ24080214W05

|     |    |      |        |        |       |        |        |      |
|-----|----|------|--------|--------|-------|--------|--------|------|
| B66 | 10 | High | 132622 | 1775   | 64QAM | 8.9252 | 9.7219 | PASS |
| B66 | 15 | Low  | 132047 | 1717.5 | QPSK  | 13.393 | 14.457 | PASS |
| B66 | 15 | Low  | 132047 | 1717.5 | 16QAM | 13.404 | 14.439 | PASS |
| B66 | 15 | Low  | 132047 | 1717.5 | 64QAM | 13.380 | 14.448 | PASS |
| B66 | 15 | Mid  | 132322 | 1745   | QPSK  | 13.435 | 14.338 | PASS |
| B66 | 15 | Mid  | 132322 | 1745   | 16QAM | 13.413 | 14.414 | PASS |
| B66 | 15 | Mid  | 132322 | 1745   | 64QAM | 13.405 | 14.498 | PASS |
| B66 | 15 | High | 132597 | 1772.5 | QPSK  | 13.439 | 14.490 | PASS |
| B66 | 15 | High | 132597 | 1772.5 | 16QAM | 13.418 | 14.437 | PASS |
| B66 | 15 | High | 132597 | 1772.5 | 64QAM | 13.387 | 14.524 | PASS |
| B66 | 20 | Low  | 132072 | 1720   | QPSK  | 17.820 | 19.147 | PASS |
| B66 | 20 | Low  | 132072 | 1720   | 16QAM | 17.871 | 19.101 | PASS |
| B66 | 20 | Low  | 132072 | 1720   | 64QAM | 17.845 | 19.154 | PASS |
| B66 | 20 | Mid  | 132322 | 1745   | QPSK  | 17.849 | 19.037 | PASS |
| B66 | 20 | Mid  | 132322 | 1745   | 16QAM | 17.885 | 19.168 | PASS |
| B66 | 20 | Mid  | 132322 | 1745   | 64QAM | 17.862 | 19.214 | PASS |
| B66 | 20 | High | 132572 | 1770   | QPSK  | 17.879 | 19.110 | PASS |
| B66 | 20 | High | 132572 | 1770   | 16QAM | 17.864 | 19.135 | PASS |
| B66 | 20 | High | 132572 | 1770   | 64QAM | 17.898 | 19.260 | PASS |

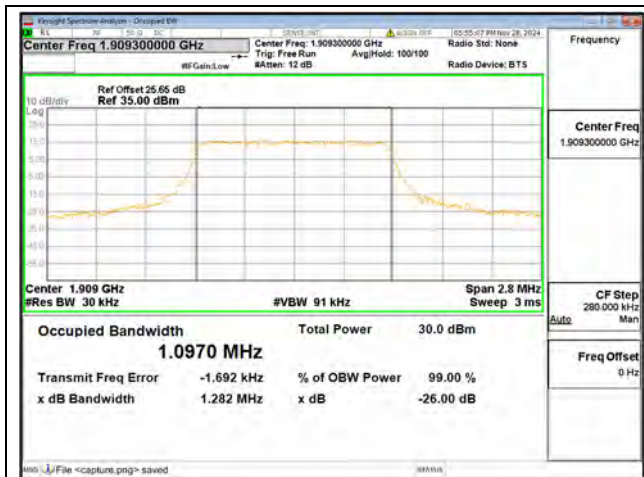


| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | 99% BW (MHz) | 26dB BW (MHz) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|--------------|---------------|---------|
| B71      | 5       | Low           | 133147  | 665.5           | QPSK       | 4.4652       | 4.9010        | PASS    |
| B71      | 5       | Low           | 133147  | 665.5           | 16QAM      | 4.4740       | 4.8964        | PASS    |
| B71      | 5       | Low           | 133147  | 665.5           | 64QAM      | 4.4816       | 4.9301        | PASS    |
| B71      | 5       | Mid           | 133297  | 680.5           | QPSK       | 4.4729       | 4.9309        | PASS    |
| B71      | 5       | Mid           | 133297  | 680.5           | 16QAM      | 4.4712       | 4.8622        | PASS    |
| B71      | 5       | Mid           | 133297  | 680.5           | 64QAM      | 4.4779       | 4.9142        | PASS    |
| B71      | 5       | High          | 133447  | 695.5           | QPSK       | 4.4768       | 4.9286        | PASS    |
| B71      | 5       | High          | 133447  | 695.5           | 16QAM      | 4.4758       | 4.9310        | PASS    |
| B71      | 5       | High          | 133447  | 695.5           | 64QAM      | 4.4741       | 4.9078        | PASS    |
| B71      | 10      | Low           | 133172  | 668             | QPSK       | 8.9430       | 9.6720        | PASS    |
| B71      | 10      | Low           | 133172  | 668             | 16QAM      | 8.9280       | 9.5854        | PASS    |
| B71      | 10      | Low           | 133172  | 668             | 64QAM      | 8.9433       | 9.7222        | PASS    |
| B71      | 10      | Mid           | 133297  | 680.5           | QPSK       | 8.9473       | 9.6531        | PASS    |
| B71      | 10      | Mid           | 133297  | 680.5           | 16QAM      | 8.9310       | 9.6371        | PASS    |
| B71      | 10      | Mid           | 133297  | 680.5           | 64QAM      | 8.9488       | 9.6499        | PASS    |
| B71      | 10      | High          | 133422  | 693             | QPSK       | 8.9278       | 9.6866        | PASS    |
| B71      | 10      | High          | 133422  | 693             | 16QAM      | 8.9323       | 9.5682        | PASS    |
| B71      | 10      | High          | 133422  | 693             | 64QAM      | 8.9411       | 9.7223        | PASS    |
| B71      | 15      | Low           | 133197  | 670.5           | QPSK       | 13.427       | 14.283        | PASS    |
| B71      | 15      | Low           | 133197  | 670.5           | 16QAM      | 13.404       | 14.443        | PASS    |
| B71      | 15      | Low           | 133197  | 670.5           | 64QAM      | 13.397       | 14.502        | PASS    |
| B71      | 15      | Mid           | 133297  | 680.5           | QPSK       | 13.445       | 14.386        | PASS    |
| B71      | 15      | Mid           | 133297  | 680.5           | 16QAM      | 13.414       | 14.485        | PASS    |
| B71      | 15      | Mid           | 133297  | 680.5           | 64QAM      | 13.412       | 14.445        | PASS    |
| B71      | 15      | High          | 133397  | 690.5           | QPSK       | 13.463       | 14.473        | PASS    |
| B71      | 15      | High          | 133397  | 690.5           | 16QAM      | 13.419       | 14.460        | PASS    |
| B71      | 15      | High          | 133397  | 690.5           | 64QAM      | 13.402       | 14.363        | PASS    |
| B71      | 20      | Low           | 133222  | 673             | QPSK       | 17.856       | 19.244        | PASS    |
| B71      | 20      | Low           | 133222  | 673             | 16QAM      | 17.815       | 19.135        | PASS    |
| B71      | 20      | Low           | 133222  | 673             | 64QAM      | 17.890       | 19.114        | PASS    |
| B71      | 20      | Mid           | 133322  | 683             | QPSK       | 17.896       | 19.125        | PASS    |
| B71      | 20      | Mid           | 133322  | 683             | 16QAM      | 17.865       | 18.998        | PASS    |
| B71      | 20      | Mid           | 133322  | 683             | 64QAM      | 17.861       | 19.243        | PASS    |
| B71      | 20      | High          | 133372  | 688             | QPSK       | 17.886       | 19.208        | PASS    |
| B71      | 20      | High          | 133372  | 688             | 16QAM      | 17.863       | 19.214        | PASS    |

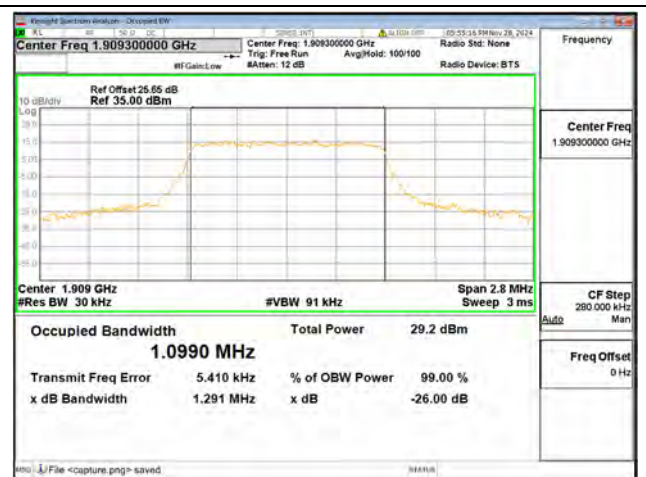


|     |    |      |        |     |       |        |        |      |
|-----|----|------|--------|-----|-------|--------|--------|------|
| B71 | 20 | High | 133372 | 688 | 64QAM | 17.885 | 19.122 | PASS |
|-----|----|------|--------|-----|-------|--------|--------|------|

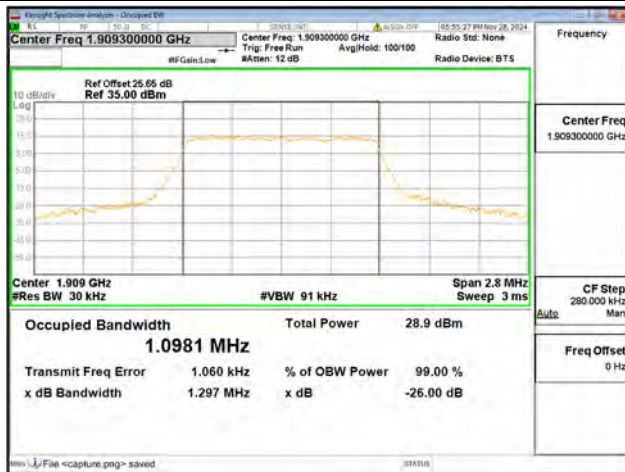




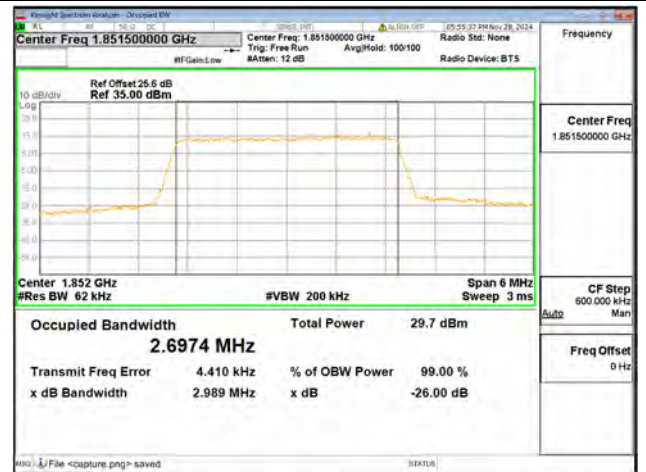
B2 / 1.4MHz / QPSK/ High CH



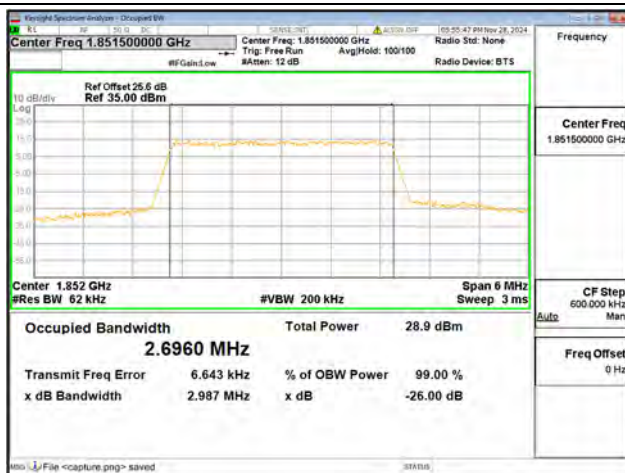
B2 / 1.4MHz / 16QAM/ High CH



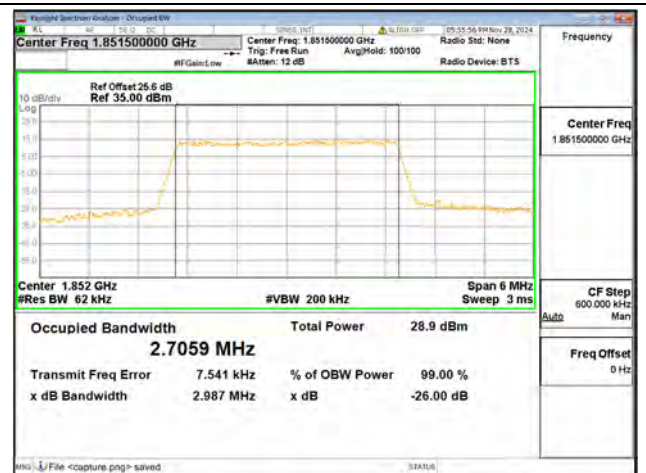
B2 / 1.4MHz / 64QAM/ High CH



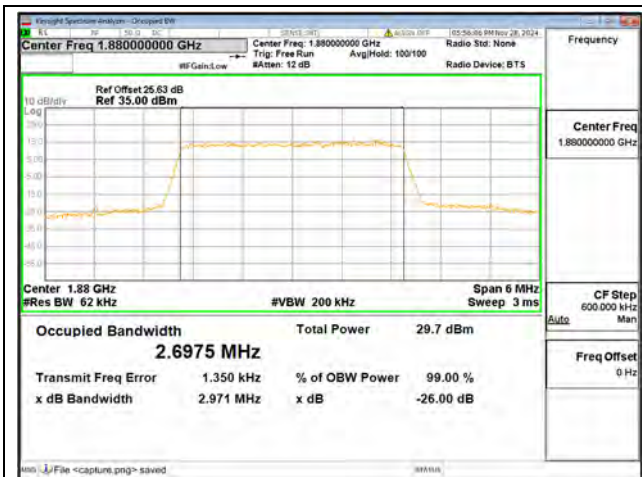
B2 / 3MHz / QPSK/ Low CH



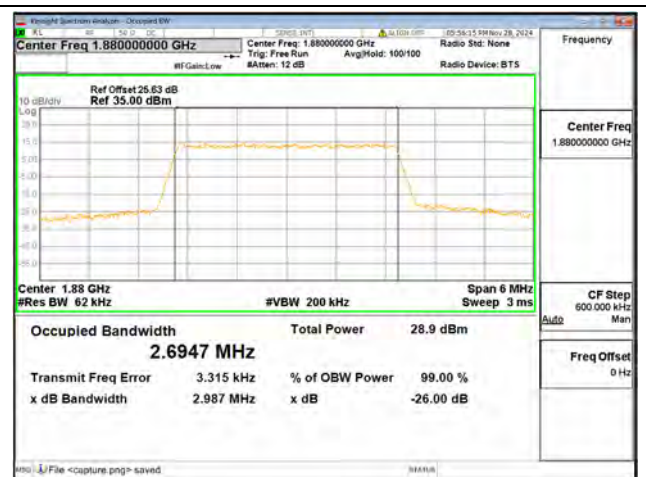
B2 / 3MHz / 16QAM/ Low CH



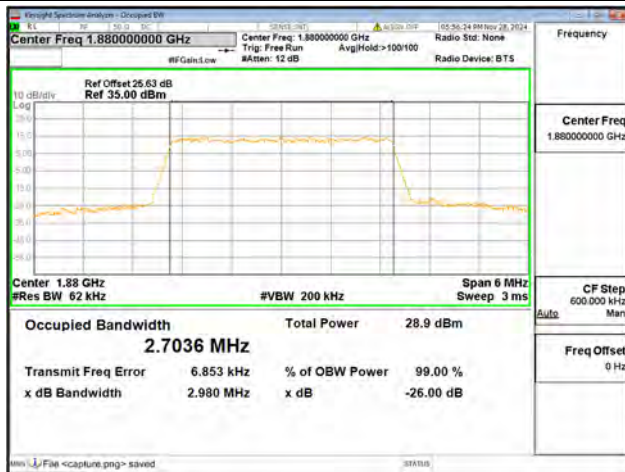
B2 / 3MHz / 64QAM/ Low CH



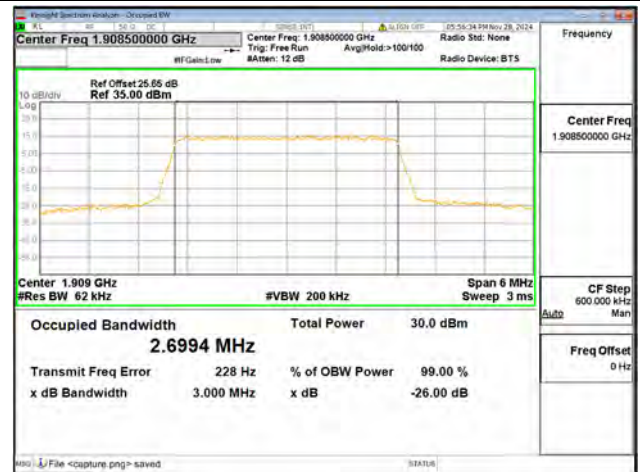
B2 / 3MHz / QPSK/ Mid CH



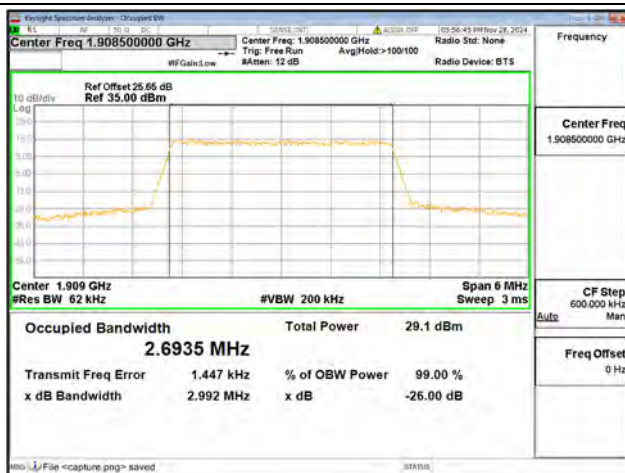
B2 / 3MHz / 16QAM/ Mid CH



B2 / 3MHz / 64QAM/ Mid CH



B2 / 3MHz / QPSK/ High CH



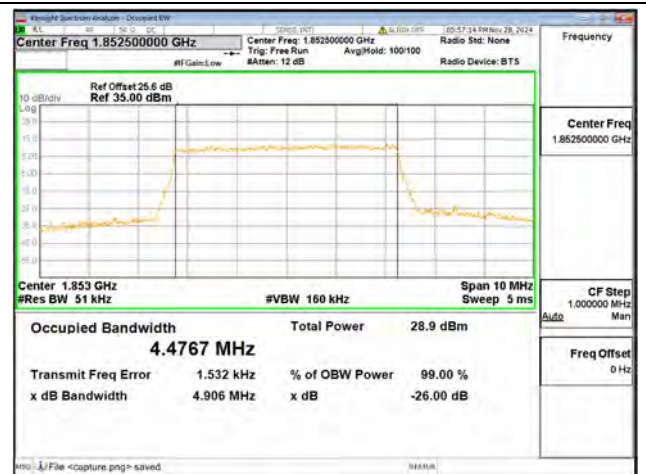
B2 / 3MHz / 16QAM/ High CH



B2 / 3MHz / 64QAM/ High CH



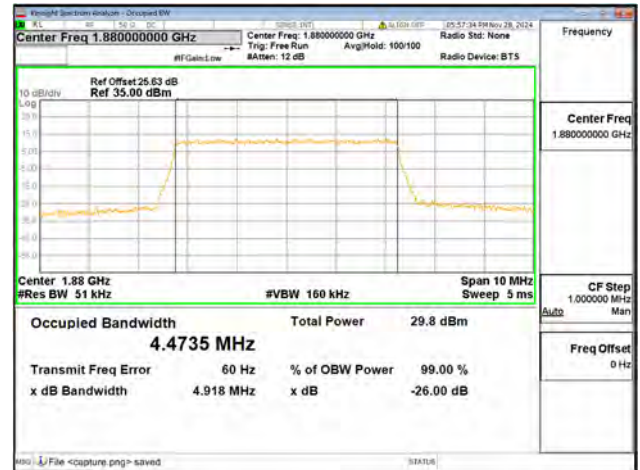
B2 / 5MHz / QPSK/ Low CH



B2 / 5MHz / 16QAM/ Low CH



B2 / 5MHz / 64QAM/ Low CH



B2 / 5MHz / QPSK/ Mid CH



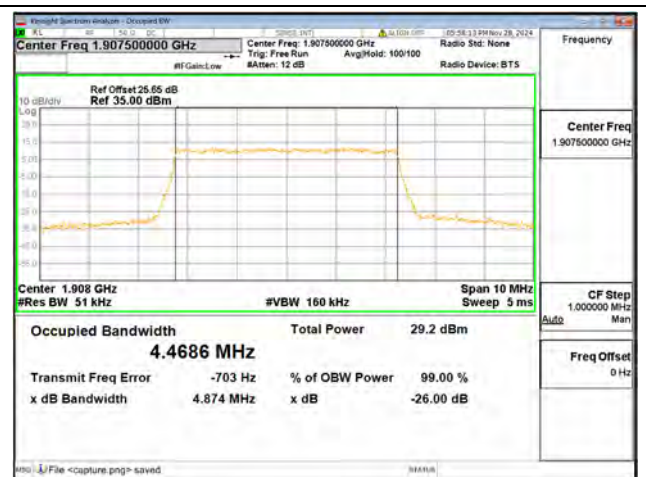
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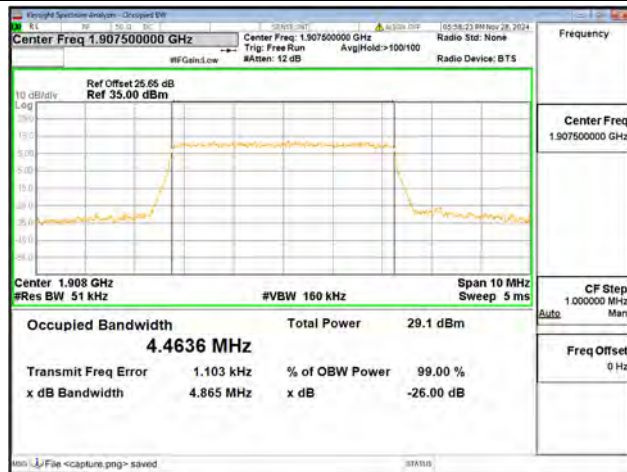
B2 / 5MHz / 64QAM/ Mid CH



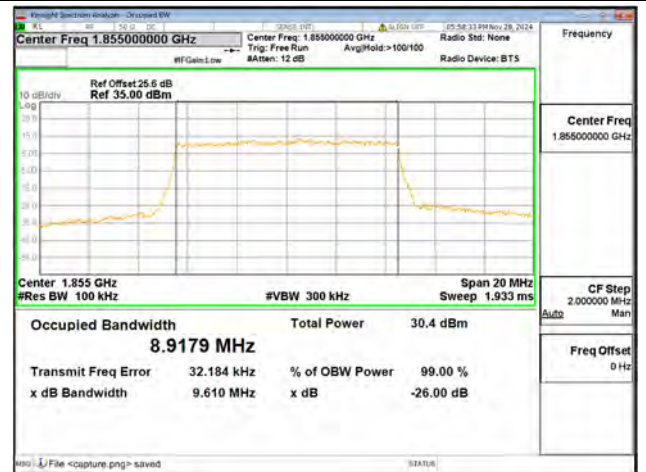
B2 / 5MHz / QPSK/ High CH



B2 / 5MHz / 16QAM/ High CH



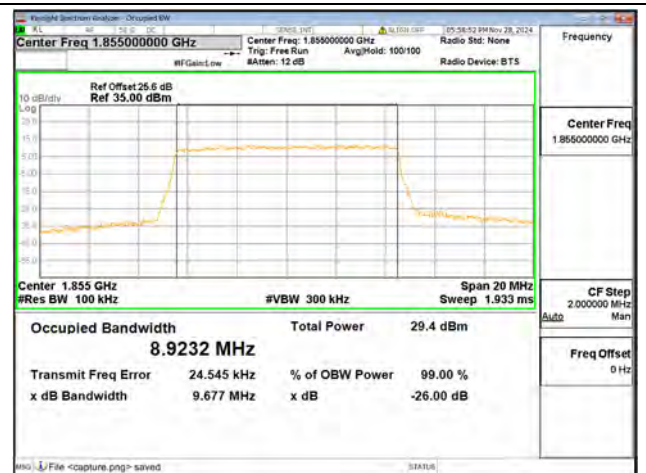
B2 / 5MHz / 64QAM/ High CH



B2 / 10MHz / QPSK/ Low CH



B2 / 10MHz / 16QAM/ Low CH



B2 / 10MHz / 64QAM/ Low CH



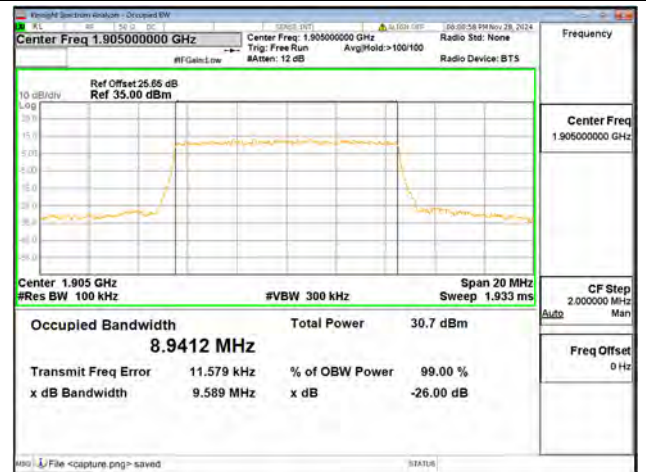
B2 / 10MHz / QPSK/ Mid CH



B2 / 10MHz / 16QAM/ Mid CH



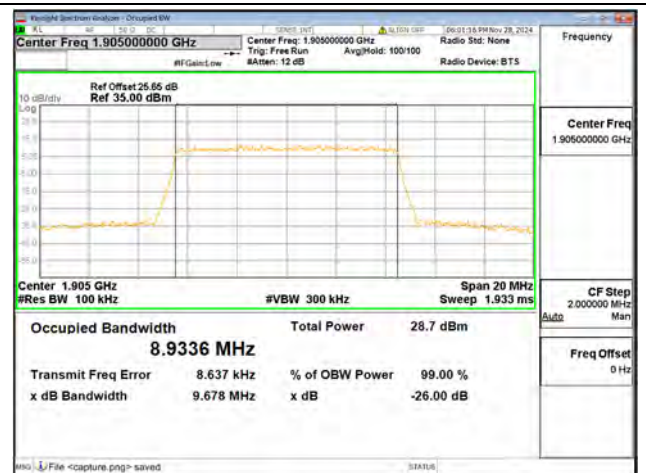
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B2 / 10MHz / QPSK/ High CH



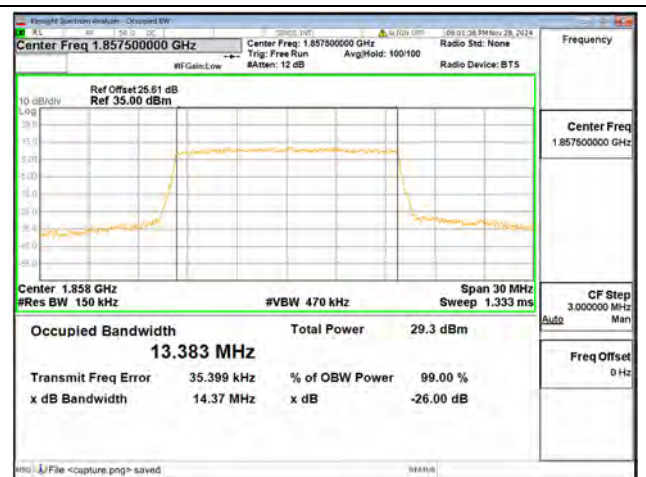
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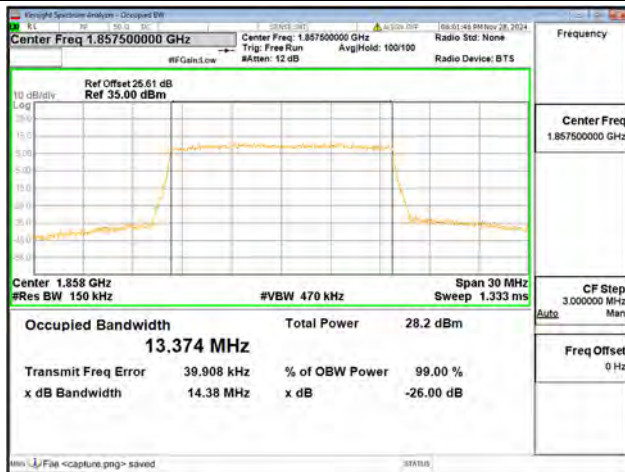
B2 / 10MHz / 64QAM/ High CH



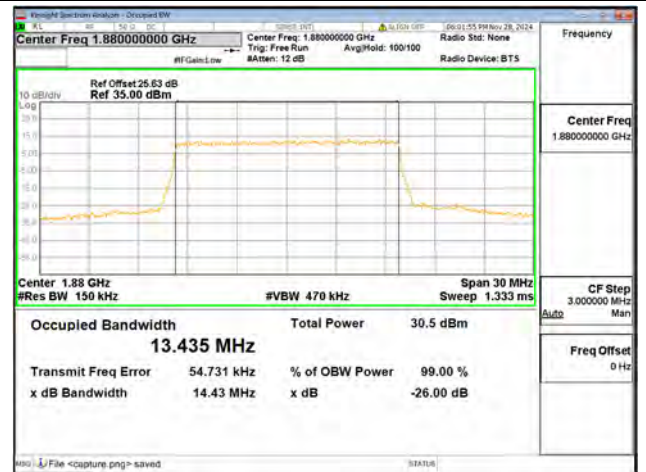
B2 / 15MHz / QPSK/ Low CH



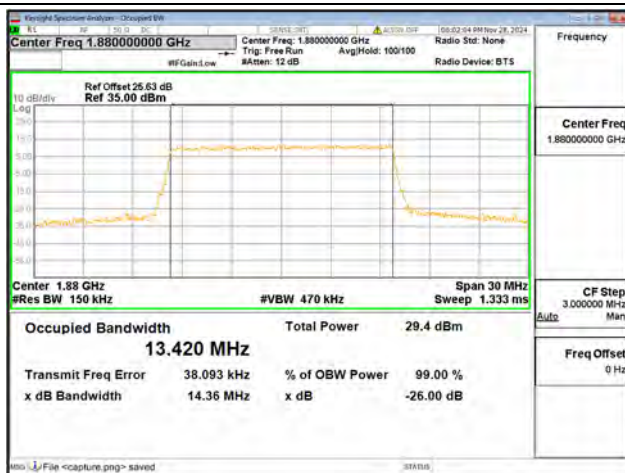
B2 / 15MHz / 16QAM/ Low CH



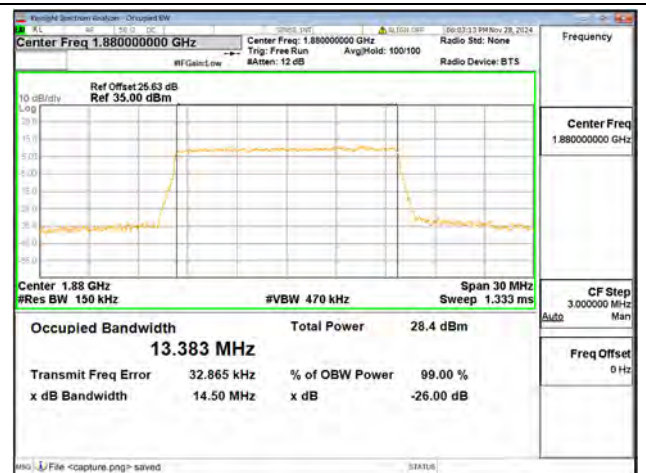
B2 / 15MHz / 64QAM/ Low CH



B2 / 15MHz / QPSK/ Mid CH



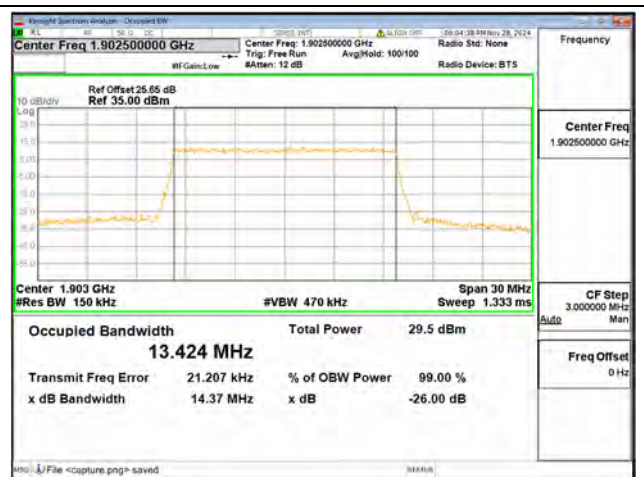
B2 / 15MHz / 16QAM/ Mid CH



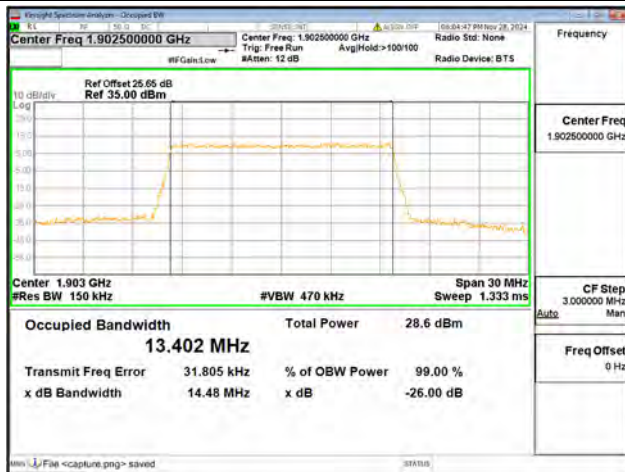
B2 / 15MHz / 64QAM/ Mid CH



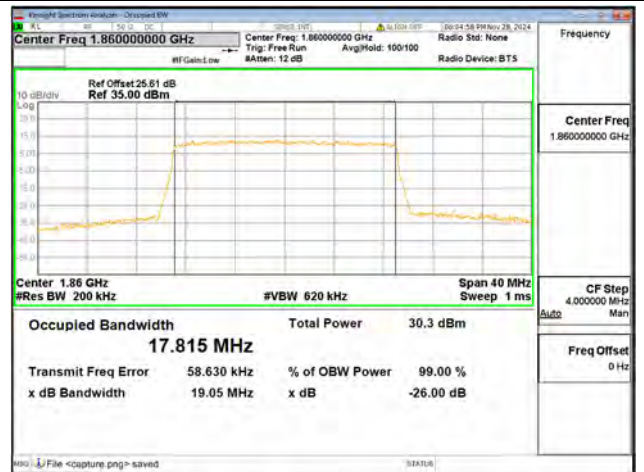
B2 / 15MHz / QPSK/ High CH



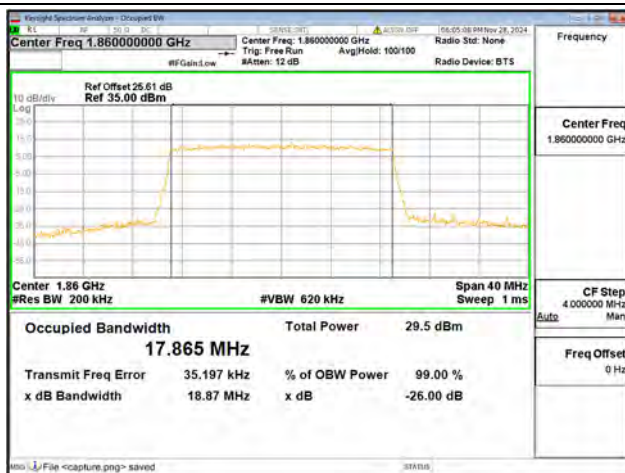
B2 / 15MHz / 16QAM/ High CH



B2 / 15MHz / 64QAM/ High CH



B2 / 20MHz / QPSK/ Low CH



B2 / 20MHz / 16QAM/ Low CH



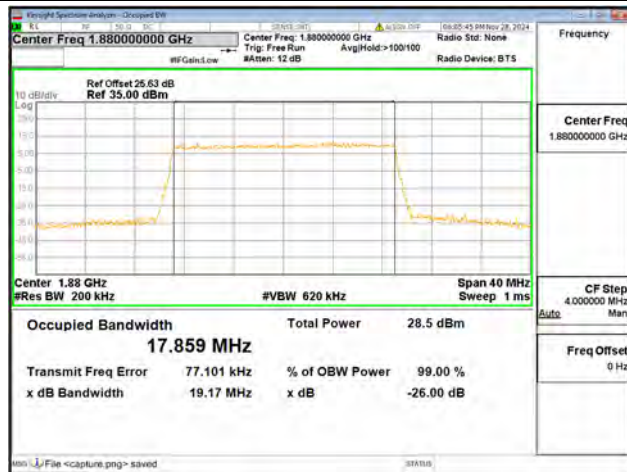
B2 / 20MHz / 64QAM/ Low CH



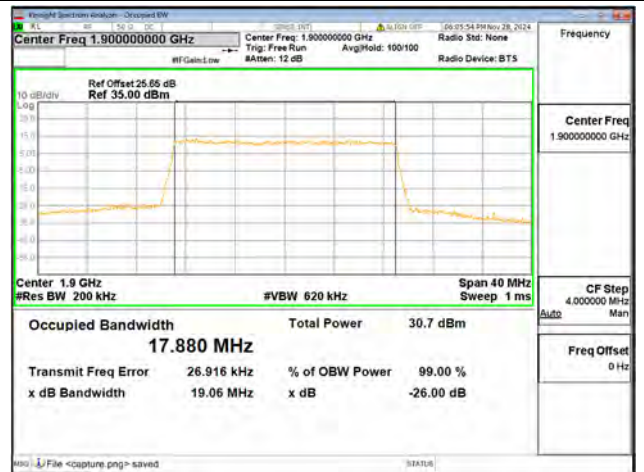
B2 / 20MHz / QPSK/ Mid CH



B2 / 20MHz / 16QAM/ Mid CH



B2 / 20MHz / 64QAM/ Mid CH



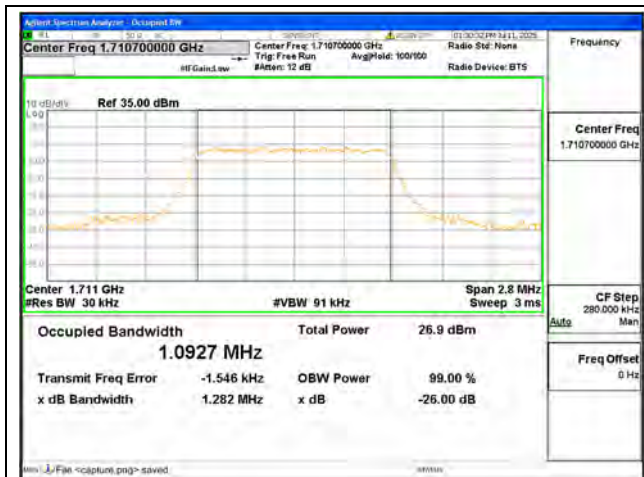
B2 / 20MHz / QPSK/ High CH



B2 / 20MHz / 16QAM/ High CH



B2 / 20MHz / 64QAM/ High CH



B4 / 1.4MHz / QPSK / Low CH



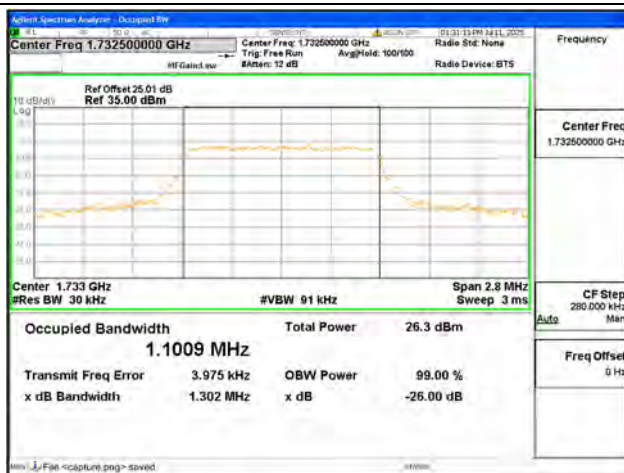
B4 / 1.4MHz / 16QAM / Low CH



B4 / 1.4MHz / 64QAM / Low CH



B4 / 1.4MHz / QPSK / Mid CH



B4 / 1.4MHz / 16QAM / Mid CH



B4 / 1.4MHz / 64QAM / Mid CH



B4 / 1.4MHz / QPSK/ High CH



B4 / 1.4MHz / 16QAM/ High CH



B4 / 1.4MHz / 64QAM/ High CH



B4 / 3MHz / QPSK/ Low CH



B4 / 3MHz / 16QAM/ Low CH

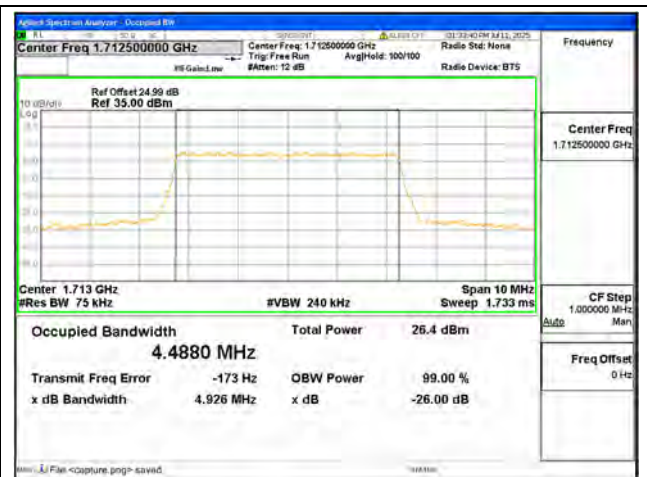


B4 / 3MHz / 64QAM/ Low CH





B4 / 5MHz / QPSK/ Low CH



B4 / 5MHz / 16QAM/ Low CH



B4 / 5MHz / 64QAM/ Low CH



B4 / 5MHz / QPSK/ Mid CH



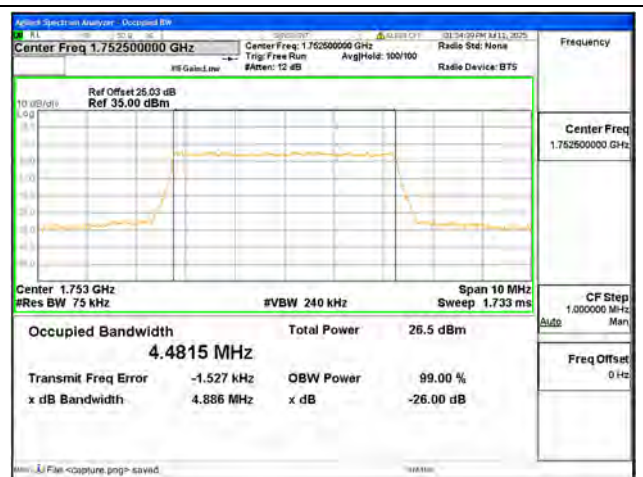
B4 / 5MHz / 16QAM/ Mid CH



B4 / 5MHz / 64QAM/ Mid CH



B4 / 5MHz / QPSK/ High CH



B4 / 5MHz / 16QAM/ High CH



B4 / 5MHz / 64QAM/ High CH



B4 / 10MHz / QPSK/ Low CH



B4 / 10MHz / 16QAM/ Low CH



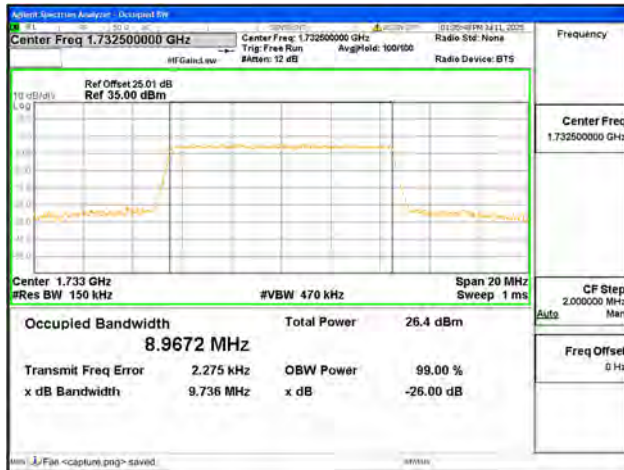
B4 / 10MHz / 64QAM/ Low CH



B4 / 10MHz / QPSK/ Mid CH



B4 / 10MHz / 16QAM/ Mid CH



B4 / 10MHz / 64QAM/ Mid CH



B4 / 10MHz / QPSK/ High CH



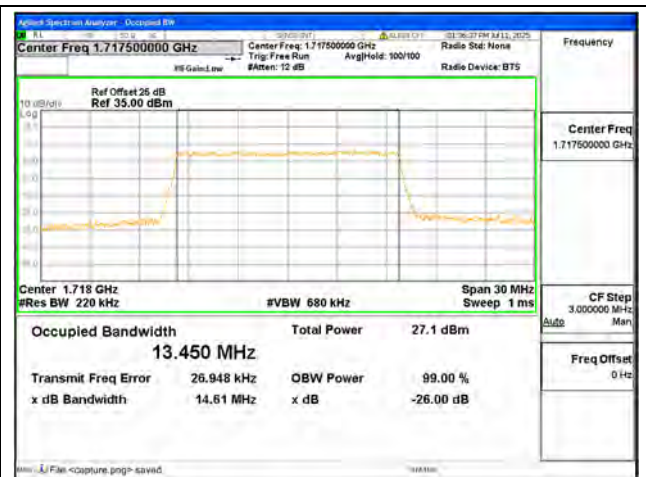
B4 / 10MHz / 16QAM/ High CH



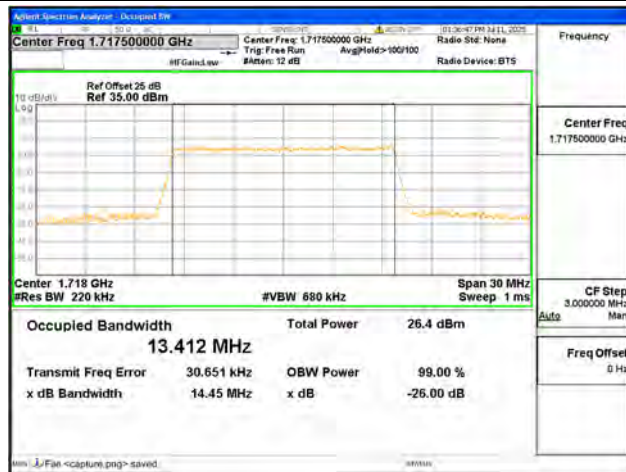
B4 / 10MHz / 64QAM/ High CH



B4 / 15MHz / QPSK/ Low CH



B4 / 15MHz / 16QAM/ Low CH



B4 / 15MHz / 64QAM/ Low CH



B4 / 15MHz / QPSK/ Mid CH



B4 / 15MHz / 16QAM/ Mid CH



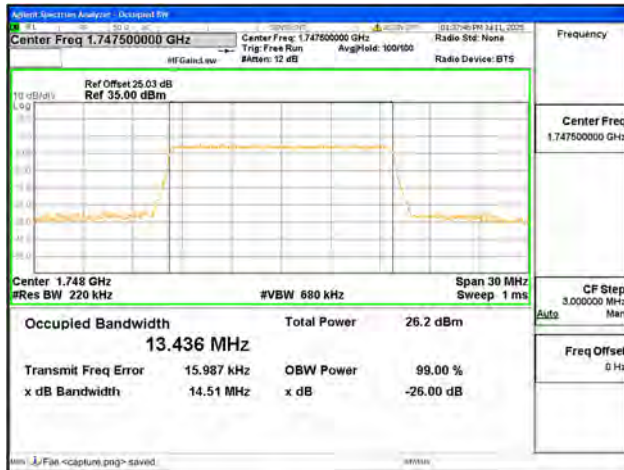
B4 / 15MHz / 64QAM/ Mid CH



B4 / 15MHz / QPSK/ High CH



B4 / 15MHz / 16QAM/ High CH



B4 / 15MHz / 64QAM/ High CH



B4 / 20MHz / QPSK/ Low CH



B4 / 20MHz / 16QAM/ Low CH



B4 / 20MHz / 64QAM/ Low CH



B4 / 20MHz / QPSK/ Mid CH



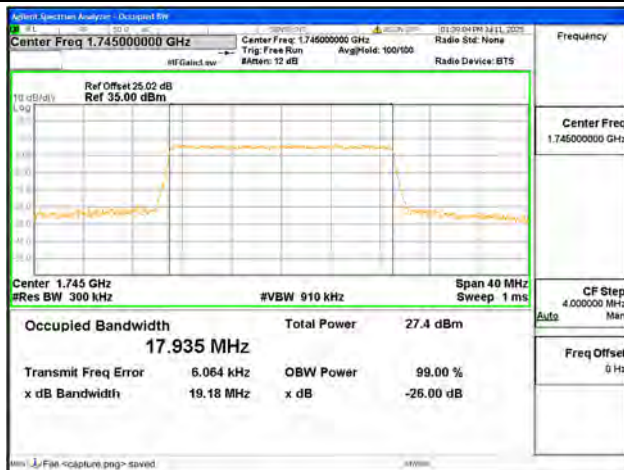
B4 / 20MHz / 16QAM/ Mid CH



B4 / 20MHz / 64QAM/ Mid CH



B4 / 20MHz / QPSK/ High CH



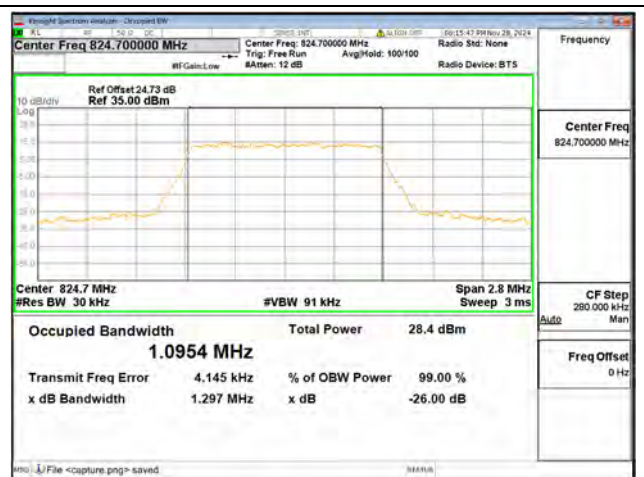
B4 / 20MHz / 16QAM/ High CH



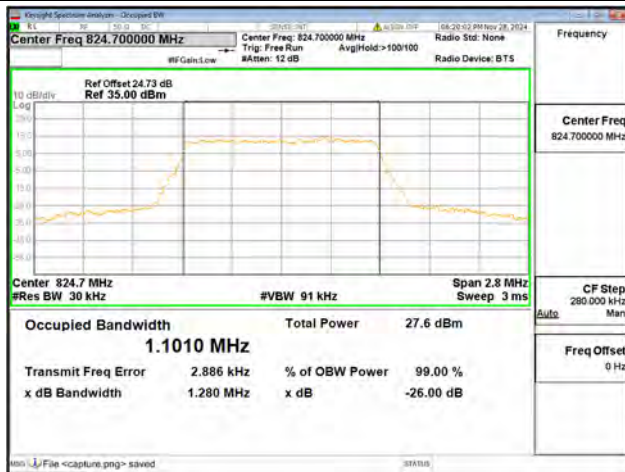
B4 / 20MHz / 64QAM/ High CH



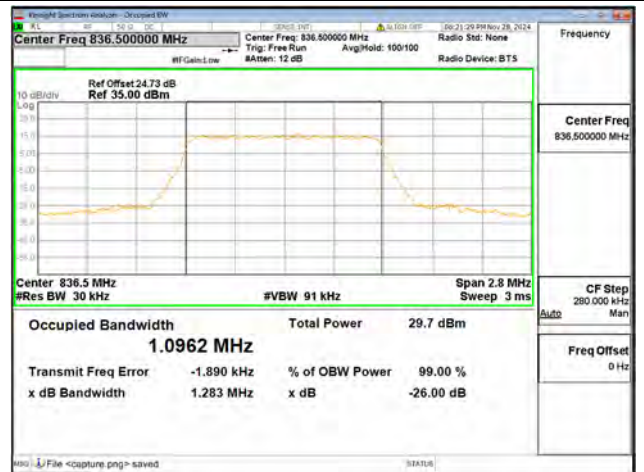
B5 / 1.4MHz / QPSK/ Low CH



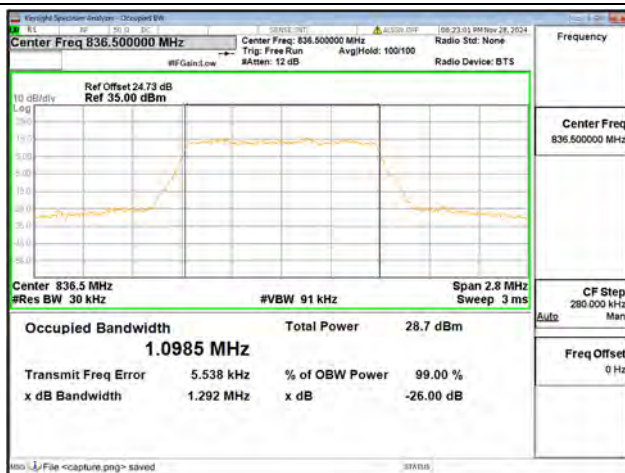
B5 / 1.4MHz / 16QAM/ Low CH



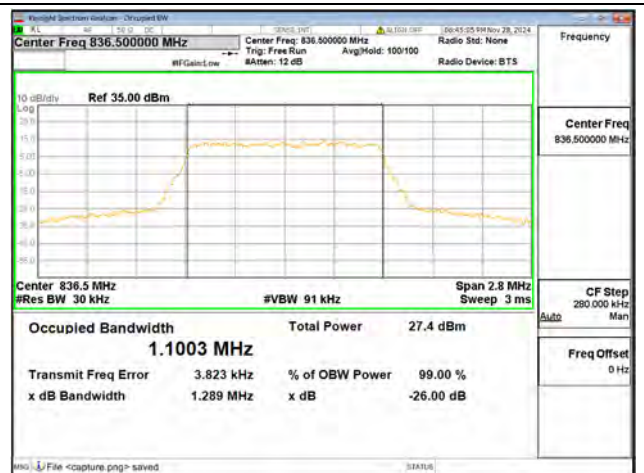
B5 / 1.4MHz / 64QAM/ Low CH



B5 / 1.4MHz / QPSK/ Mid CH



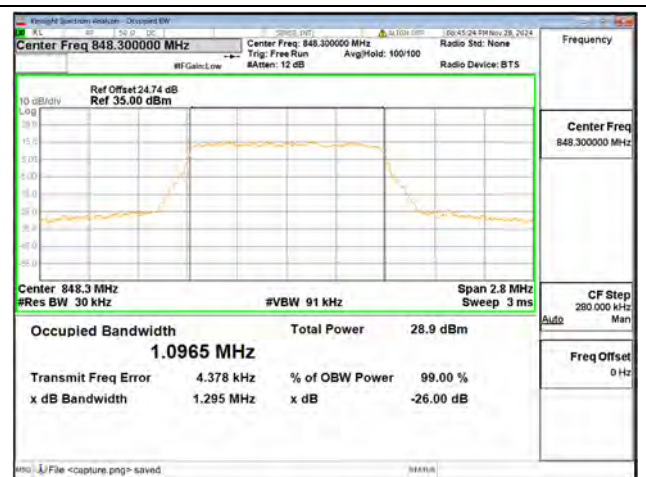
B5 / 1.4MHz / 16QAM/ Mid CH



B5 / 1.4MHz / 64QAM/ Mid CH



B5 / 1.4MHz / QPSK/ High CH



B5 / 1.4MHz / 16QAM/ High CH



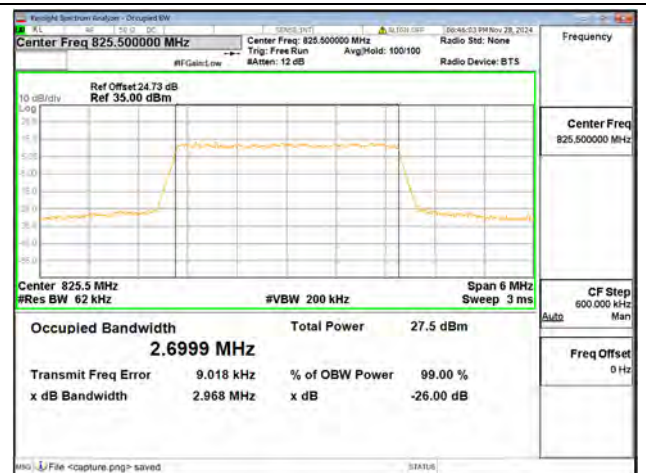
B5 / 1.4MHz / 64QAM/ High CH



B5 / 3MHz / QPSK/ Low CH



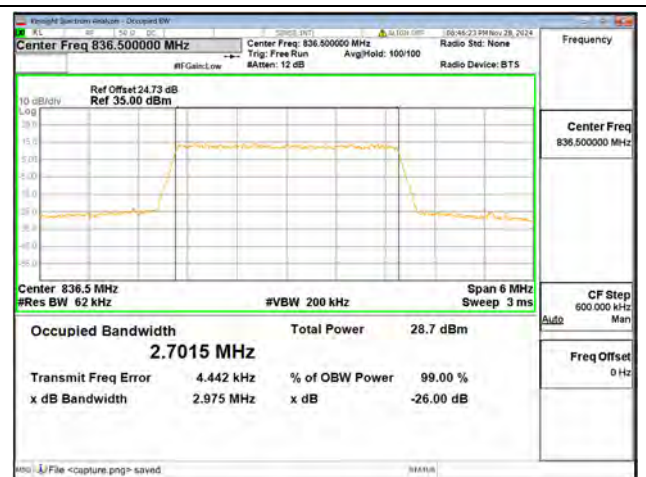
B5 / 3MHz / 16QAM/ Low CH



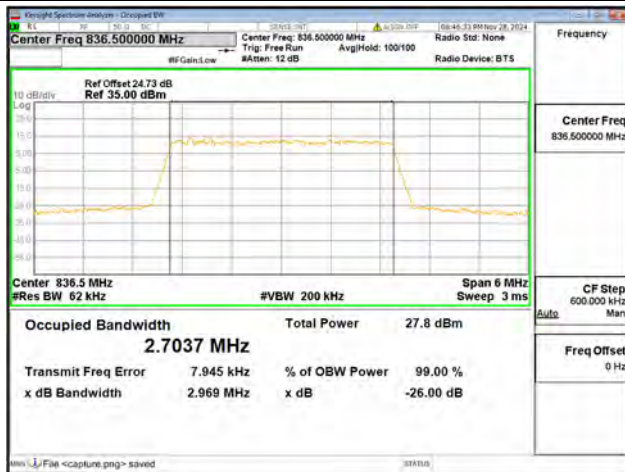
B5 / 3MHz / 64QAM/ Low CH



B5 / 3MHz / QPSK/ Mid CH



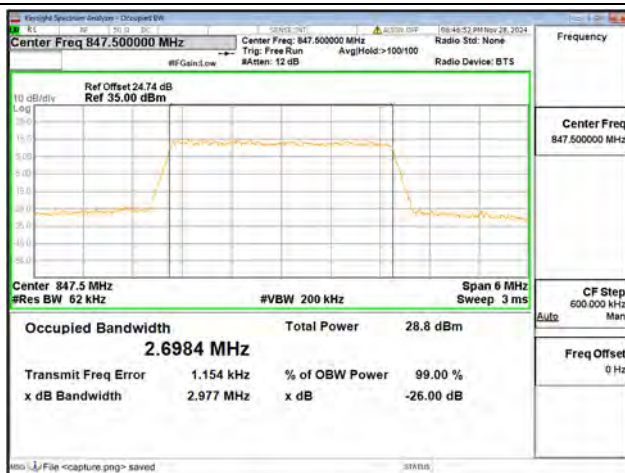
B5 / 3MHz / 16QAM/ Mid CH



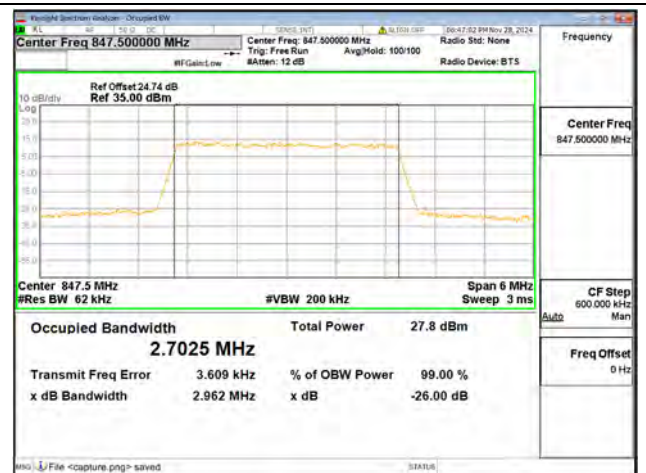
B5 / 3MHz / 64QAM/ Mid CH



B5 / 3MHz / QPSK/ High CH



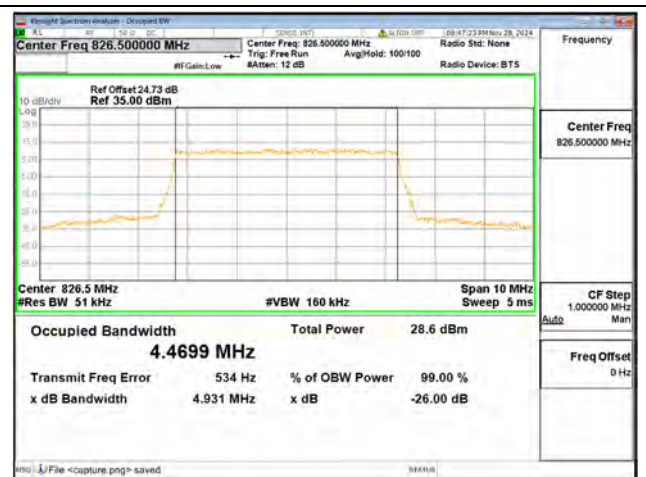
B5 / 3MHz / 16QAM/ High CH



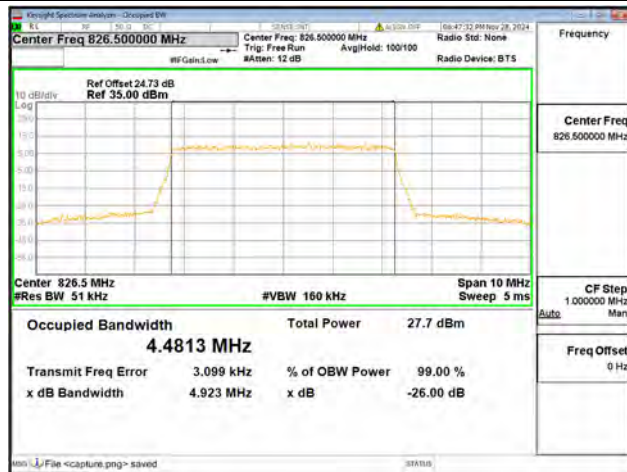
B5 / 3MHz / 64QAM/ High CH



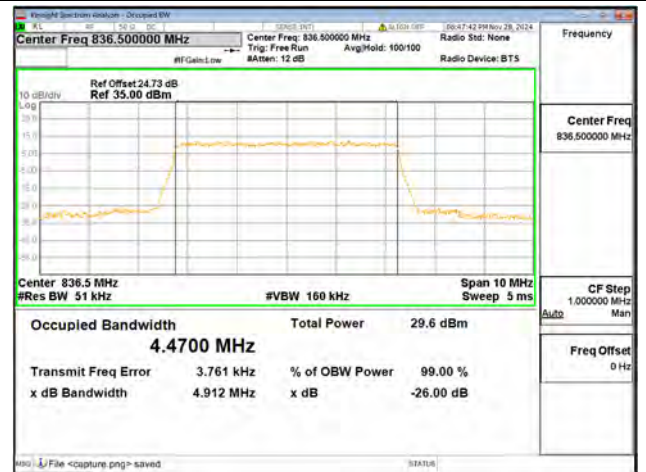
B5 / 5MHz / QPSK/ Low CH



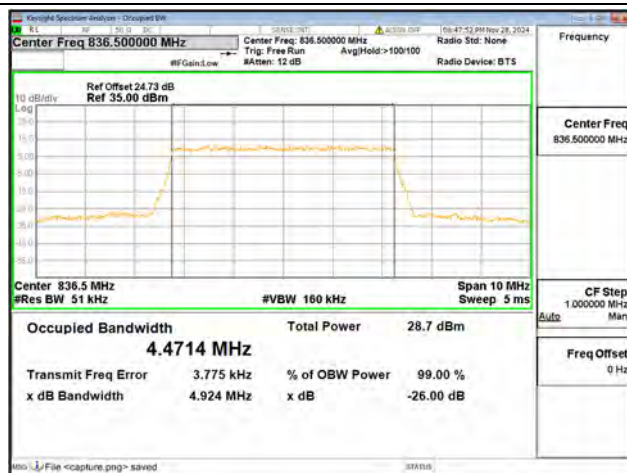
B5 / 5MHz / 16QAM/ Low CH



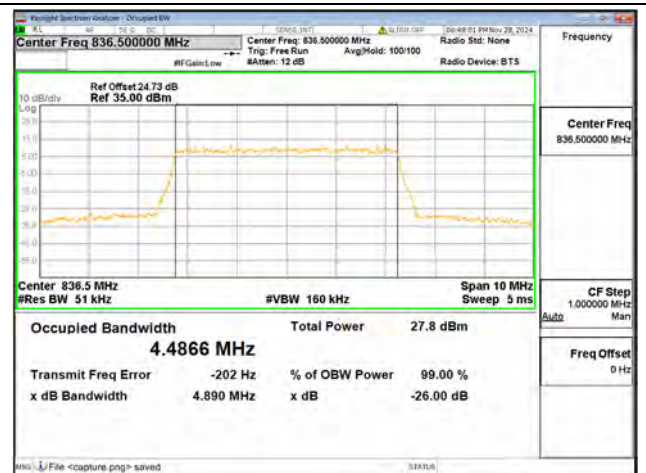
B5 / 5MHz / 64QAM/ Low CH



B5 / 5MHz / QPSK/ Mid CH



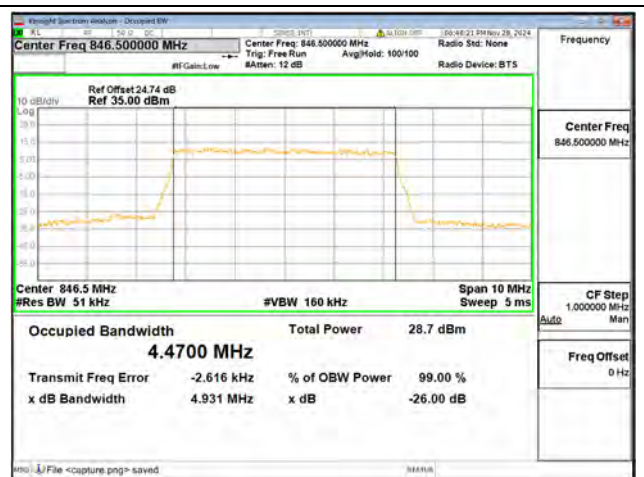
B5 / 5MHz / 16QAM/ Mid CH



B5 / 5MHz / 64QAM/ Mid CH



B5 / 5MHz / QPSK/ High CH



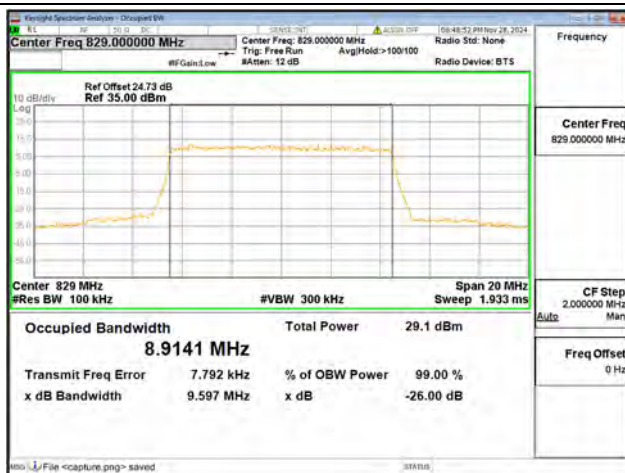
B5 / 5MHz / 16QAM/ High CH



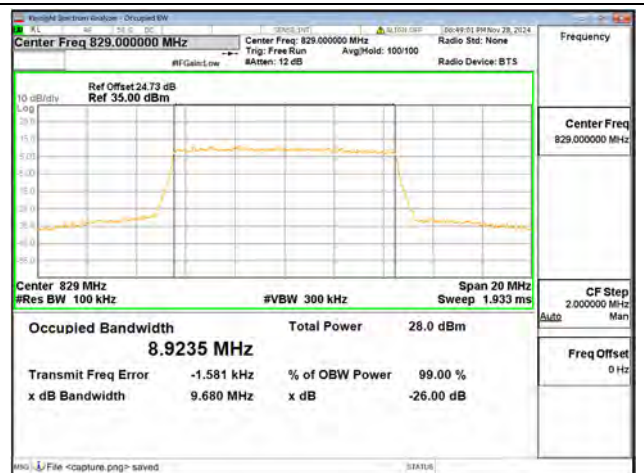
B5 / 5MHz / 64QAM/ High CH



B5 / 10MHz / QPSK/ Low CH



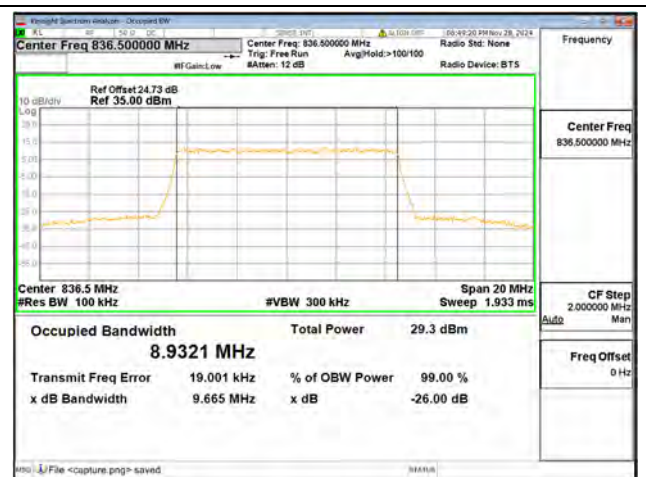
B5 / 10MHz / 16QAM/ Low CH



B5 / 10MHz / 64QAM/ Low CH



B5 / 10MHz / QPSK/ Mid CH



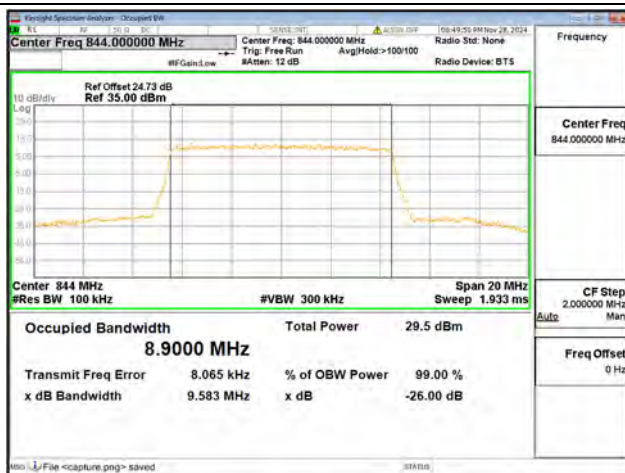
B5 / 10MHz / 16QAM/ Mid CH



B5 / 10MHz / 64QAM/ Mid CH



B5 / 10MHz / QPSK/ High CH

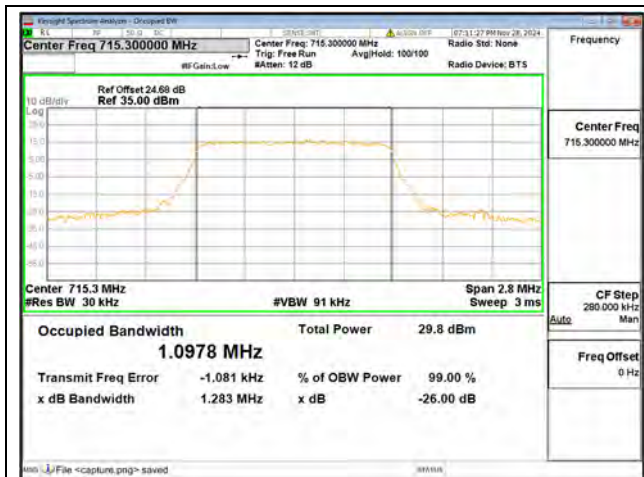


B5 / 10MHz / 16QAM/ High CH

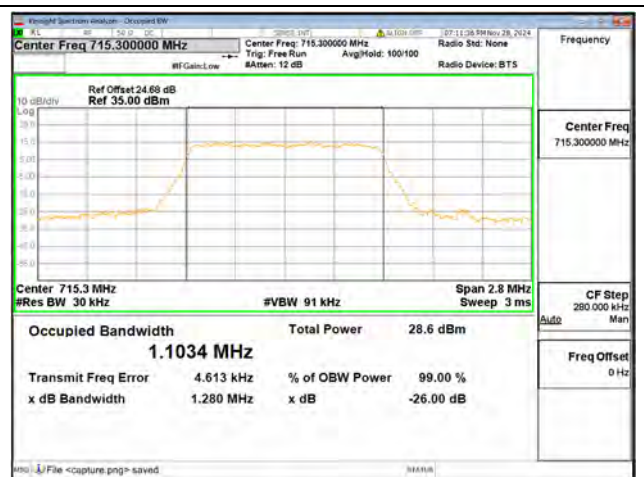


B5 / 10MHz / 64QAM/ High CH

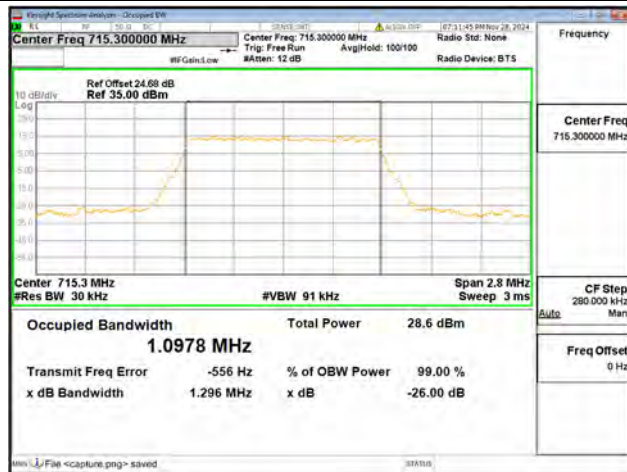




B12 / 1.4MHz / QPSK/ High CH



B12 / 1.4MHz / 16QAM/ High CH



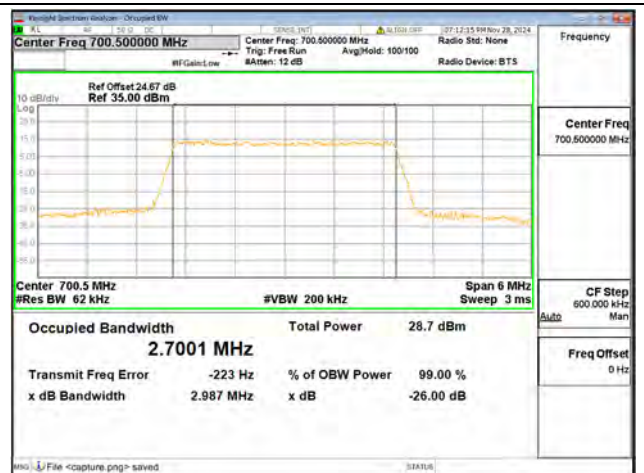
B12 / 1.4MHz / 64QAM/ High CH



B12 / 3MHz / QPSK/ Low CH



B12 / 3MHz / 16QAM/ Low CH



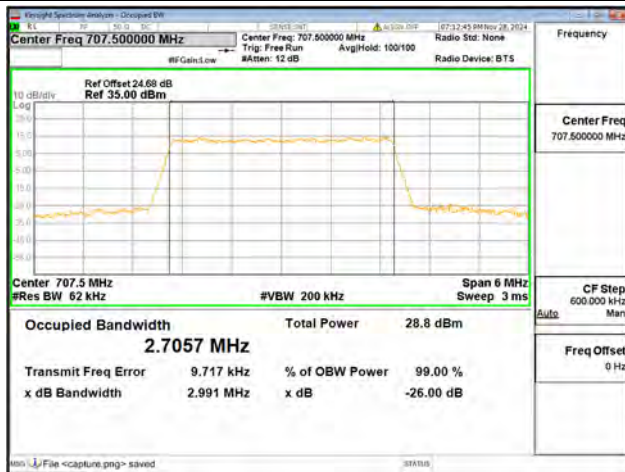
B12 / 3MHz / 64QAM/ Low CH



B12 / 3MHz / QPSK/ Mid CH



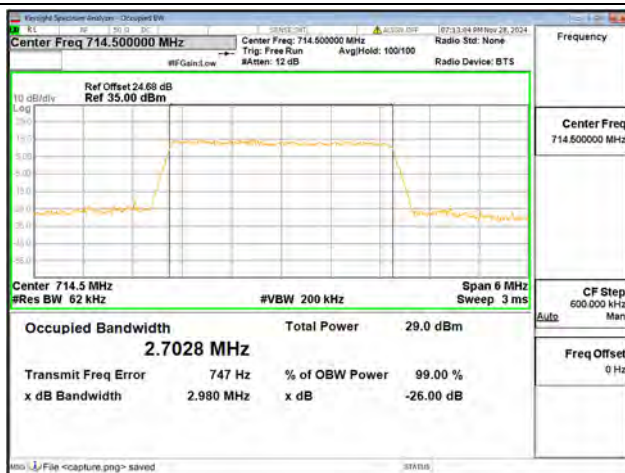
B12 / 3MHz / 16QAM/ Mid CH



B12 / 3MHz / 64QAM/ Mid CH



B12 / 3MHz / QPSK/ High CH



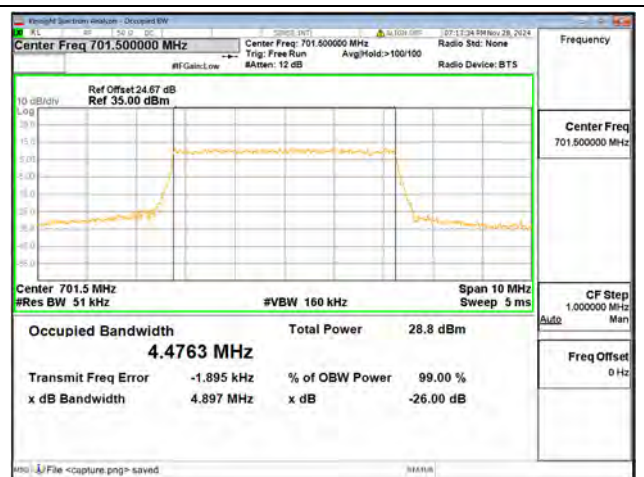
B12 / 3MHz / 16QAM/ High CH



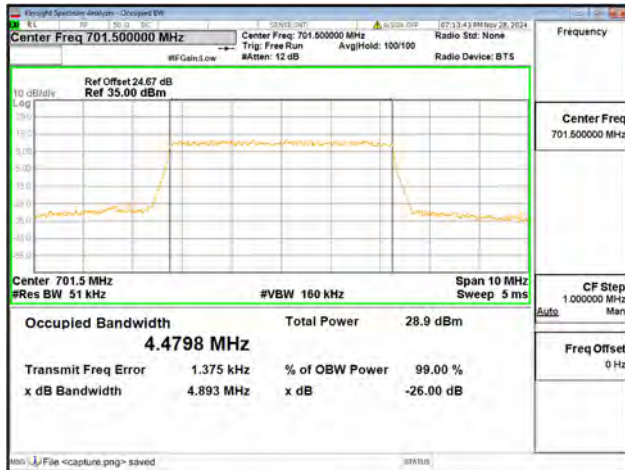
B12 / 3MHz / 64QAM/ High CH



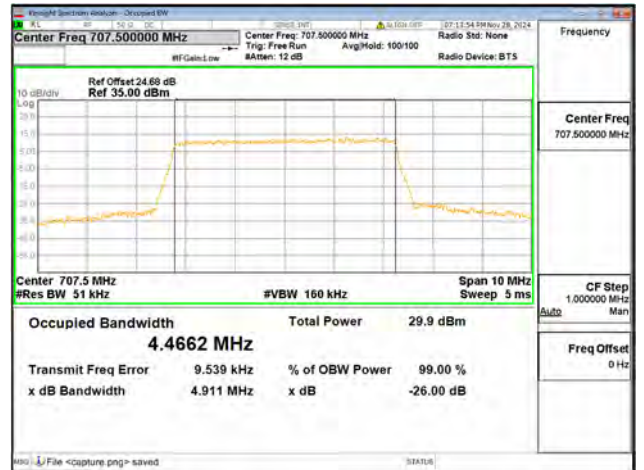
B12 / 5MHz / QPSK/ Low CH



B12 / 5MHz / 16QAM/ Low CH



B12 / 5MHz / 64QAM/ Low CH



B12 / 5MHz / QPSK/ Mid CH



B12 / 5MHz / 16QAM/ Mid CH



B12 / 5MHz / 64QAM/ Mid CH

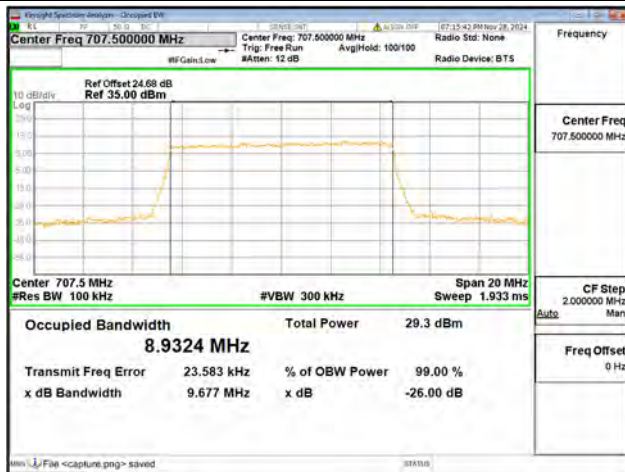




B12 / 10MHz / QPSK / Mid CH



B12 / 10MHz / 16QAM / Mid CH



B12 / 10MHz / 64QAM / Mid CH



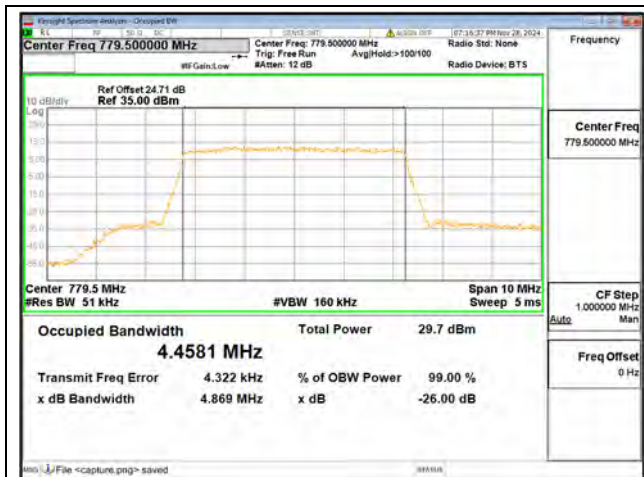
B12 / 10MHz / QPSK / High CH



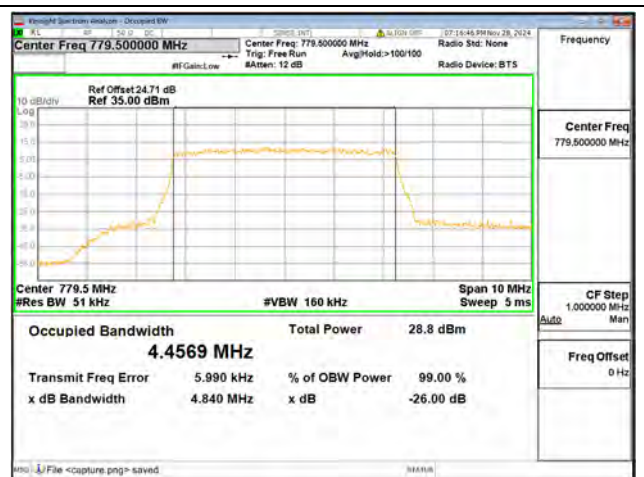
B12 / 10MHz / 16QAM / High CH



B12 / 10MHz / 64QAM / High CH



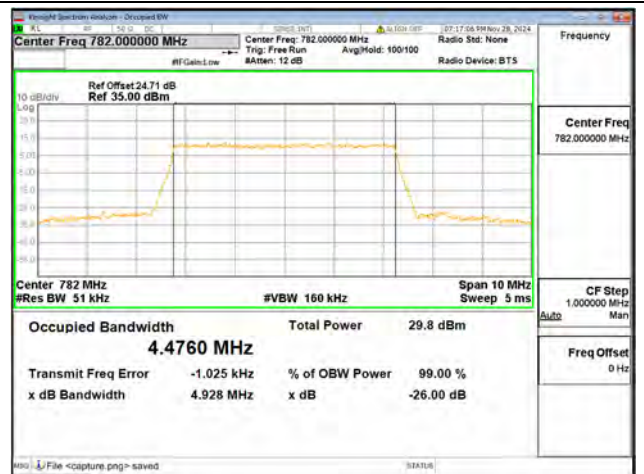
B13 / 5MHz / QPSK/ Low CH



B13 / 5MHz / 16QAM/ Low CH



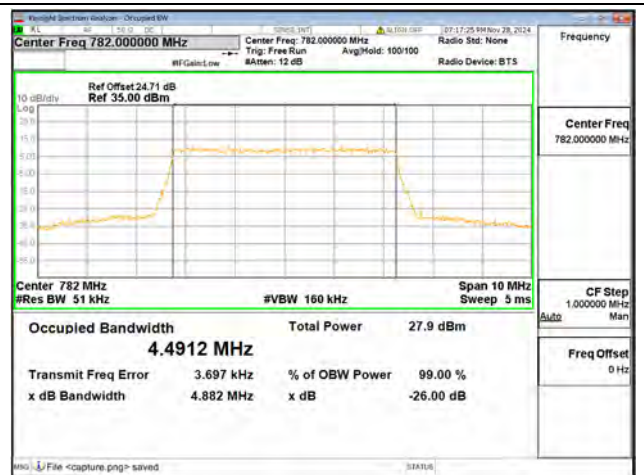
B13 / 5MHz / 64QAM/ Low CH



B13 / 5MHz / QPSK/ Mid CH



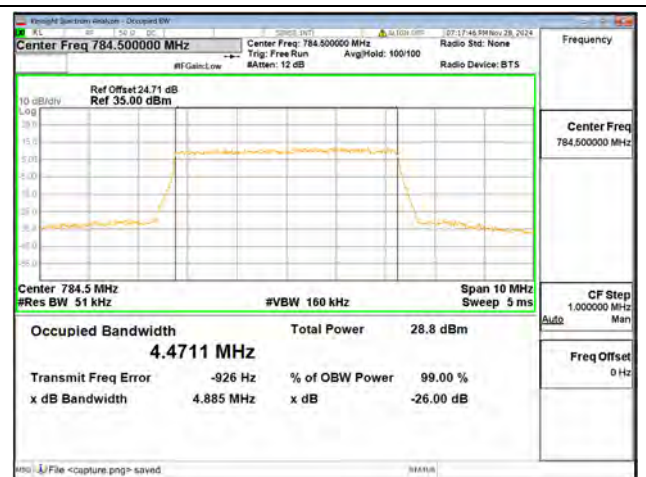
B13 / 5MHz / 16QAM/ Mid CH



B13 / 5MHz / 64QAM/ Mid CH



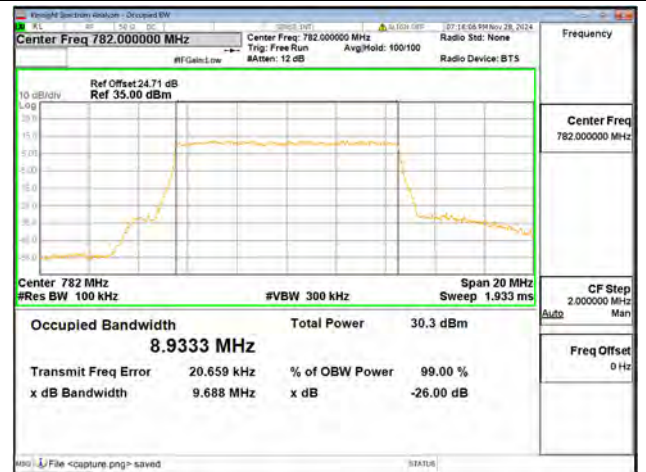
B13 / 5MHz / QPSK/ High CH



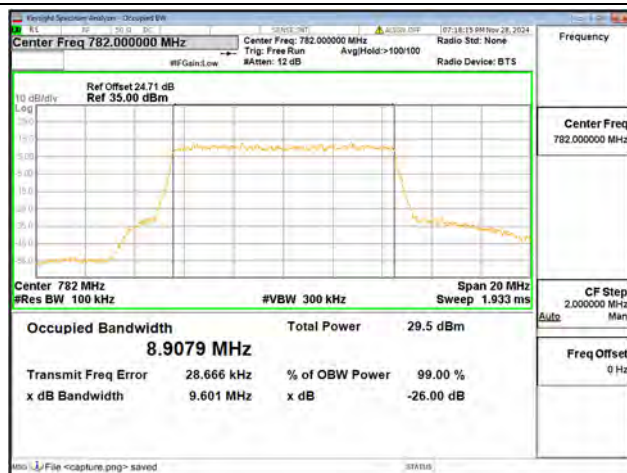
B13 / 5MHz / 16QAM/ High CH



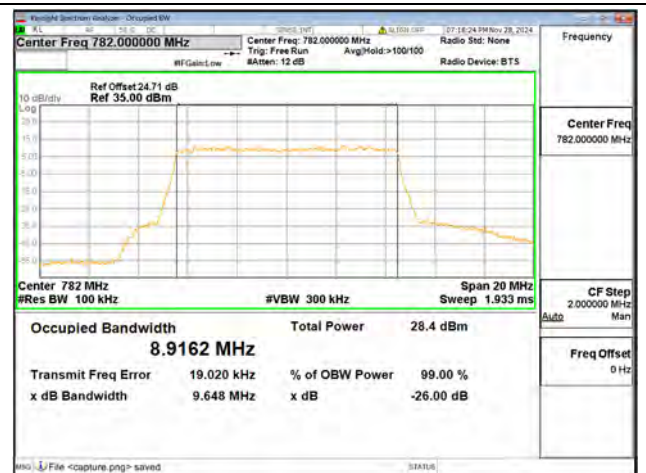
B13 / 5MHz / 64QAM/ High CH



B13 / 10MHz / QPSK/ Mid CH

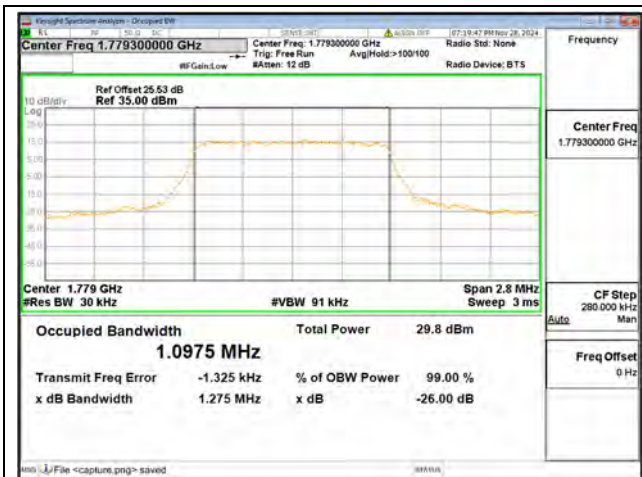


B13 / 10MHz / 16QAM/ Mid CH

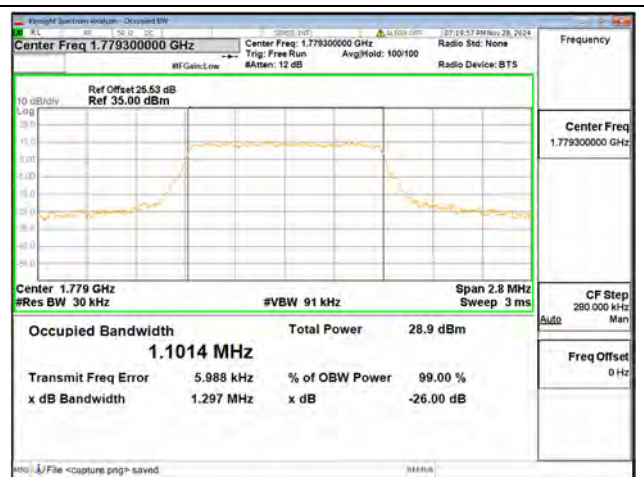


B13 / 10MHz / 64QAM/ Mid CH

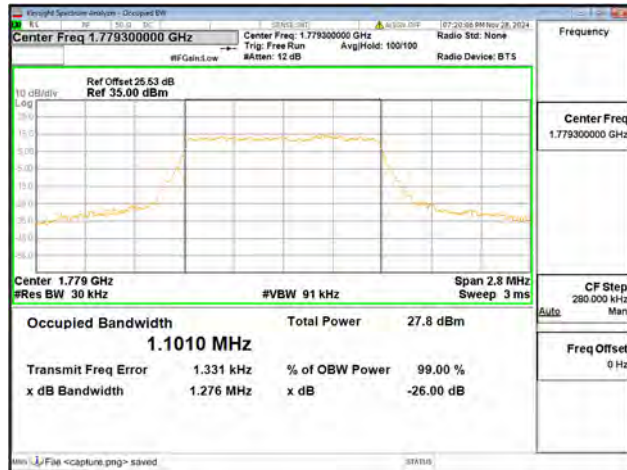




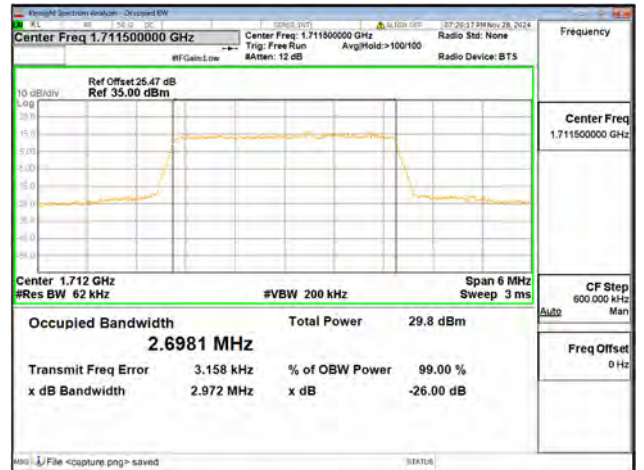
B66 / 1.4MHz / QPSK/ High CH



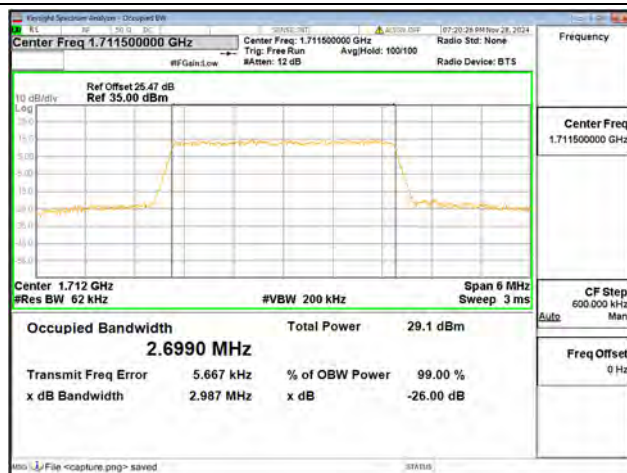
B66 / 1.4MHz / 16QAM/ High CH



B66 / 1.4MHz / 64QAM/ High CH



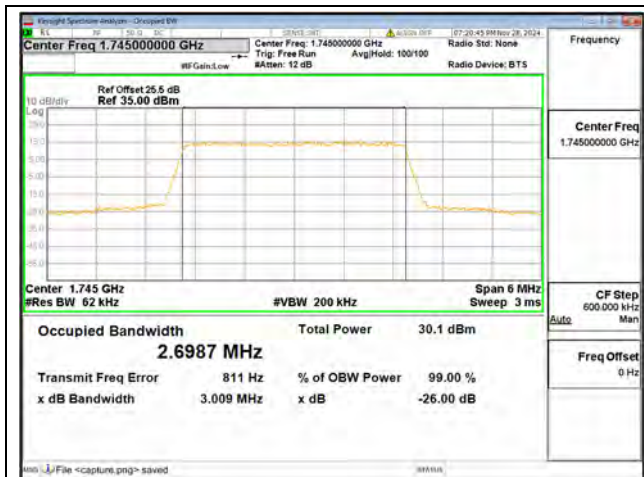
B66 / 3MHz / QPSK/ Low CH



B66 / 3MHz / 16QAM/ Low CH



B66 / 3MHz / 64QAM/ Low CH



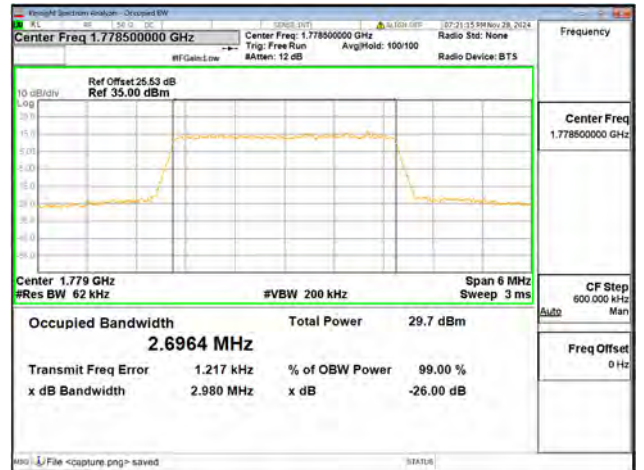
B66 / 3MHz / QPSK/ Mid CH



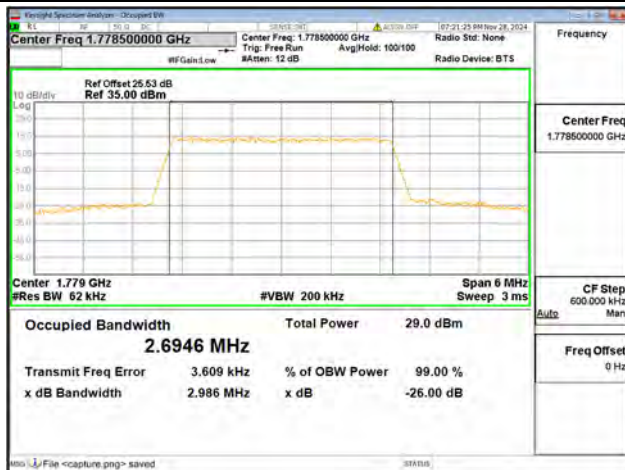
B66 / 3MHz / 16QAM/ Mid CH



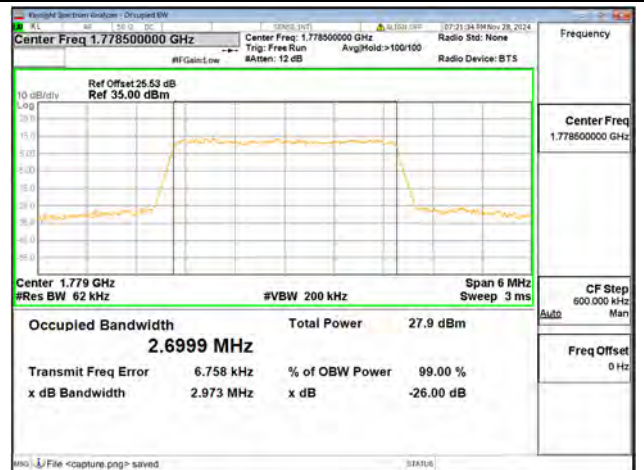
B66 / 3MHz / 64QAM/ Mid CH



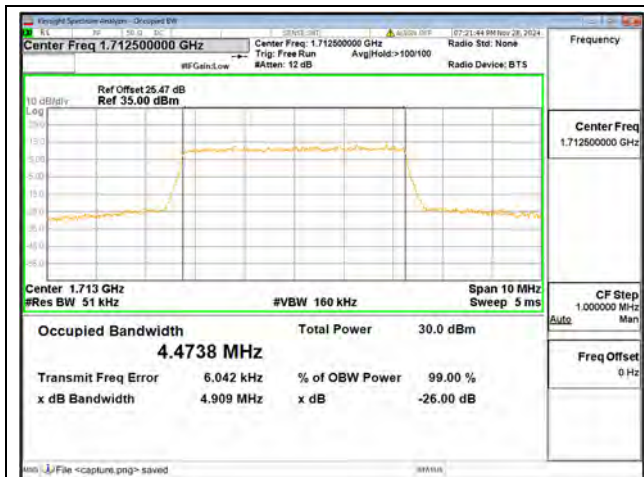
B66 / 3MHz / QPSK/ High CH



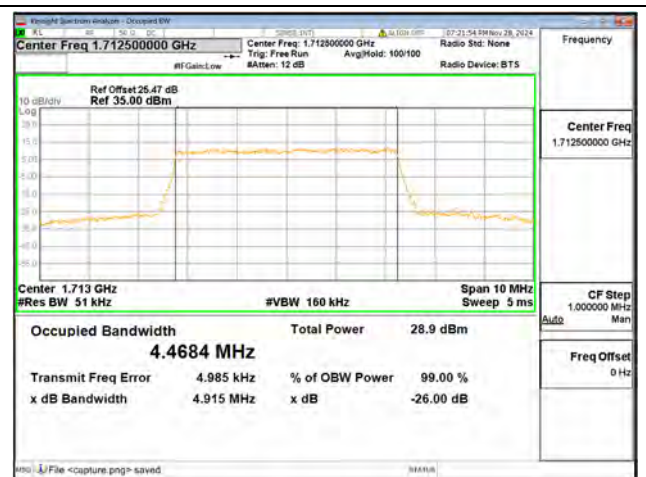
B66 / 3MHz / 16QAM/ High CH



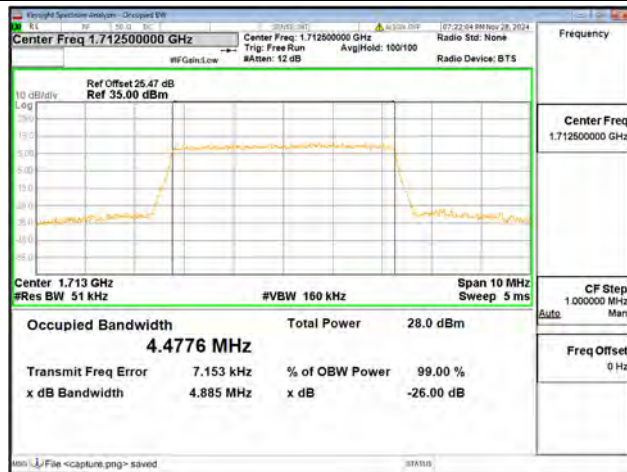
B66 / 3MHz / 64QAM/ High CH



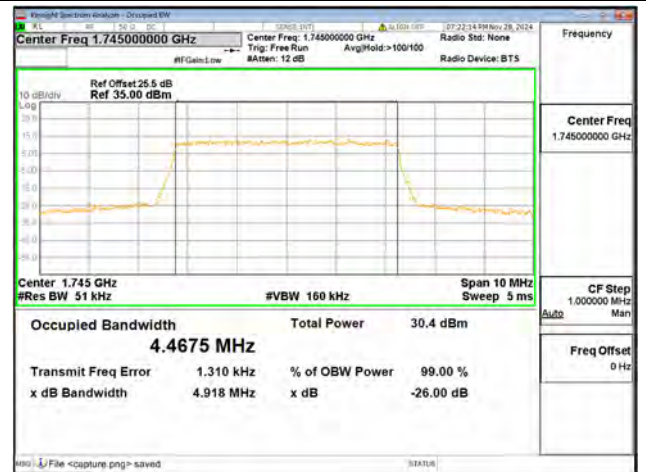
B66 / 5MHz / QPSK/ Low CH



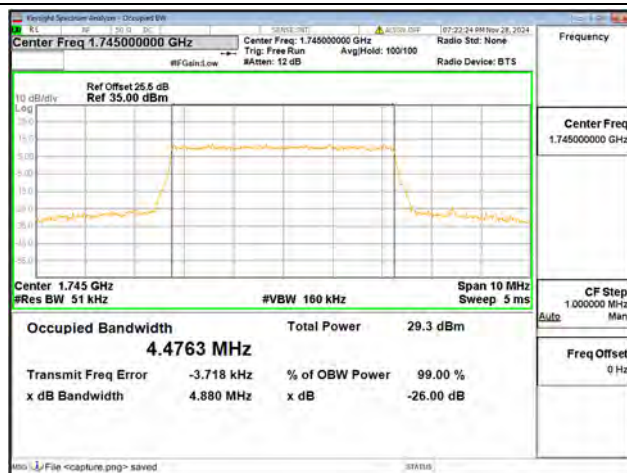
B66 / 5MHz / 16QAM/ Low CH



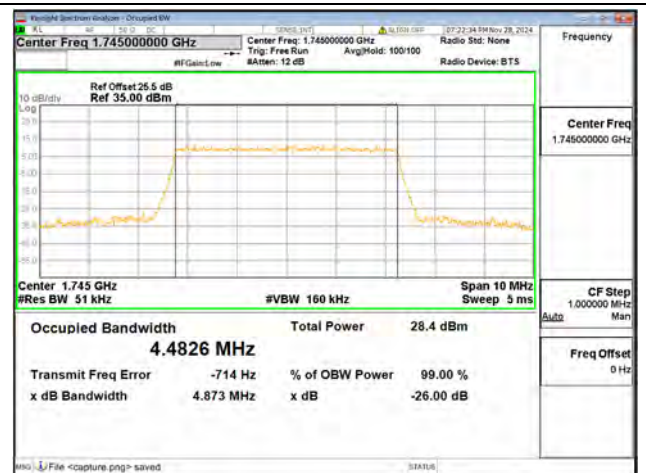
B66 / 5MHz / 64QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH

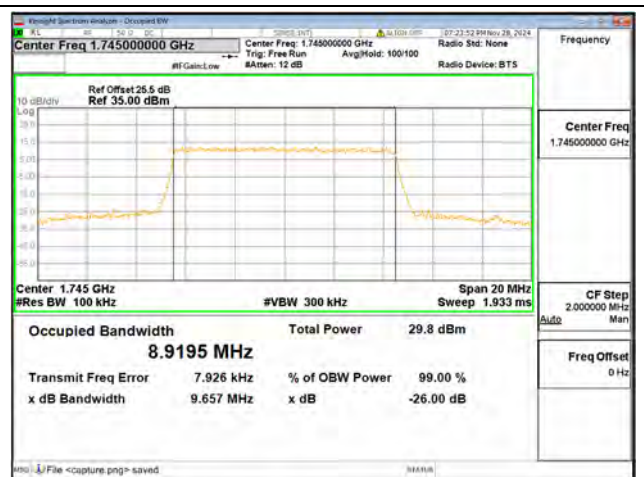


B66 / 5MHz / 64QAM/ Mid CH





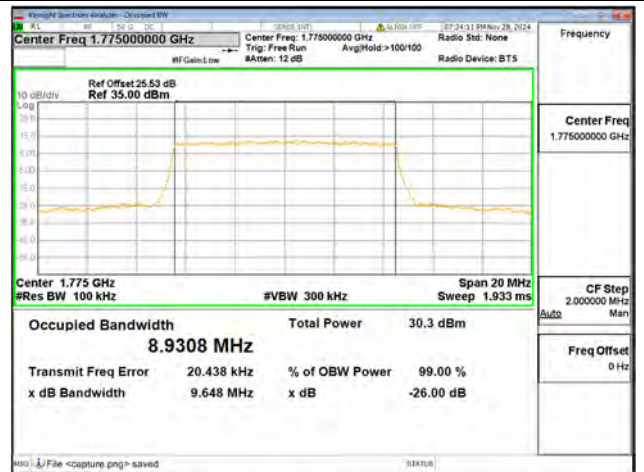
B66 / 10MHz / QPSK / Mid CH



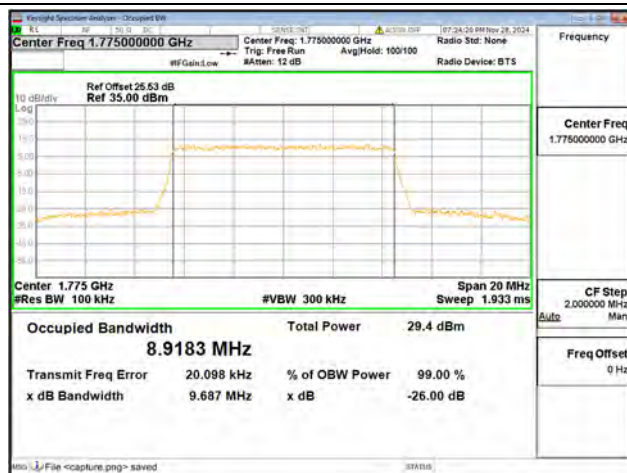
B66 / 10MHz / 16QAM / Mid CH



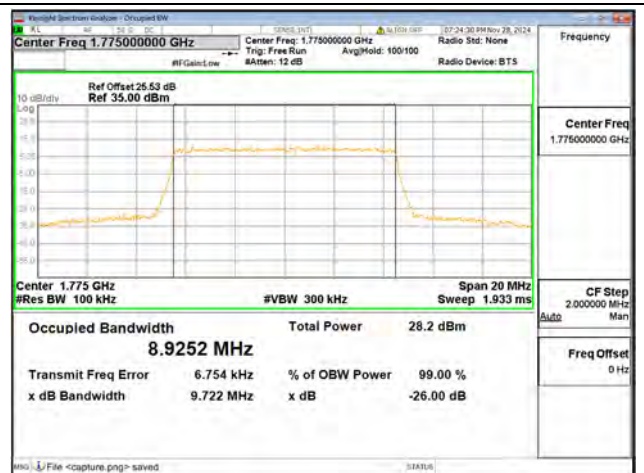
B66 / 10MHz / 64QAM / Mid CH



B66 / 10MHz / QPSK / High CH



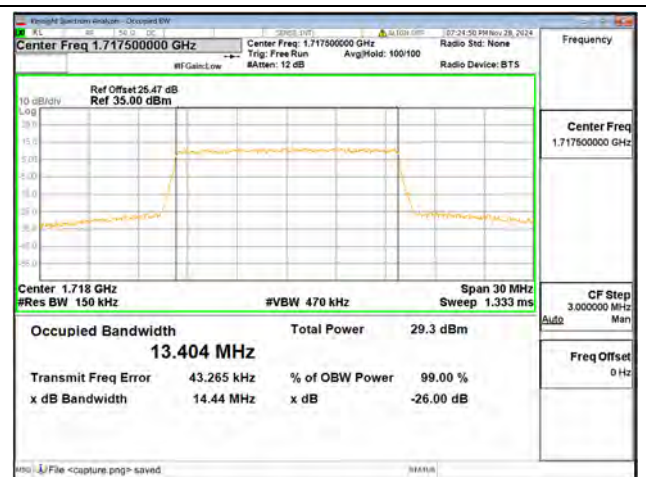
B66 / 10MHz / 16QAM / High CH



B66 / 10MHz / 64QAM / High CH



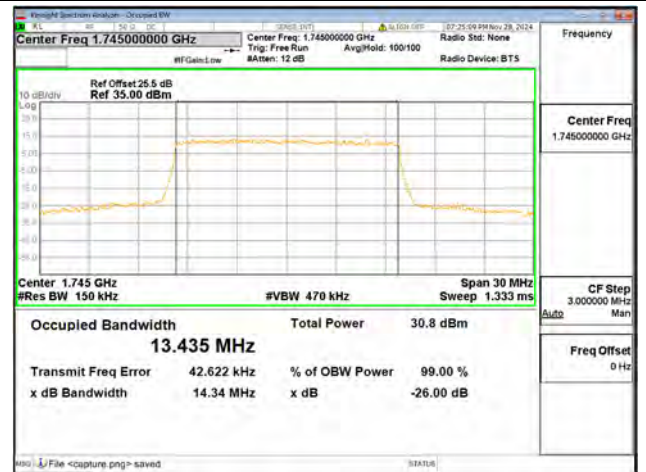
B66 / 15MHz / QPSK/ Low CH



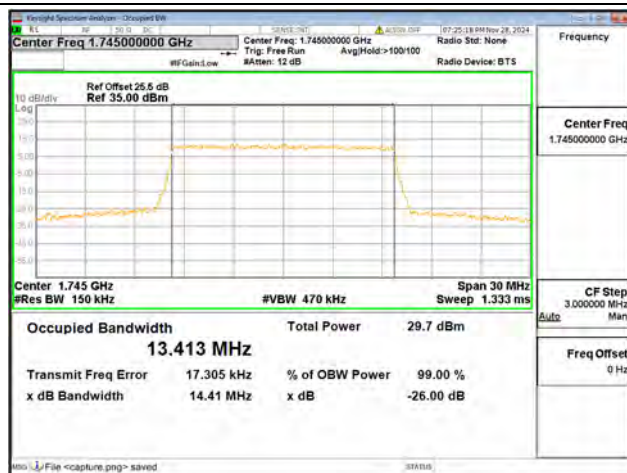
B66 / 15MHz / 16QAM/ Low CH



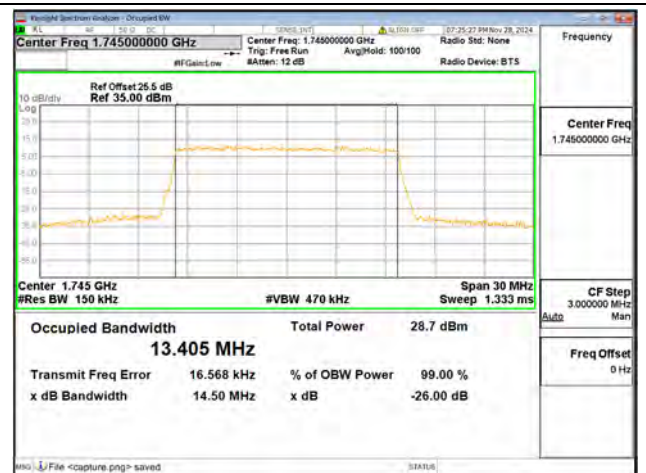
B66 / 15MHz / 64QAM/ Low CH



B66 / 15MHz / QPSK/ Mid CH



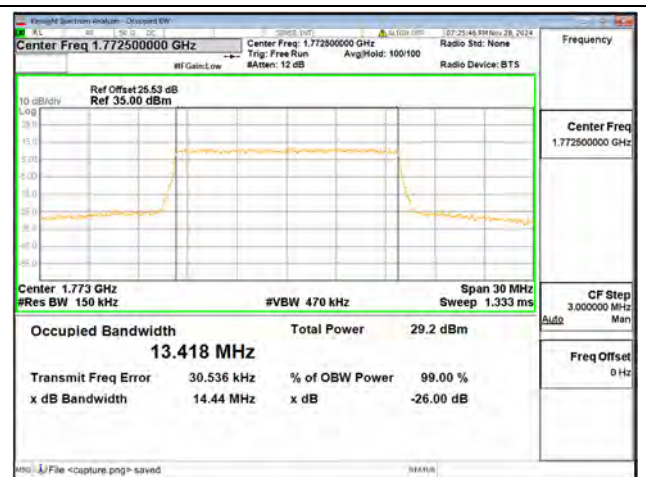
B66 / 15MHz / 16QAM/ Mid CH



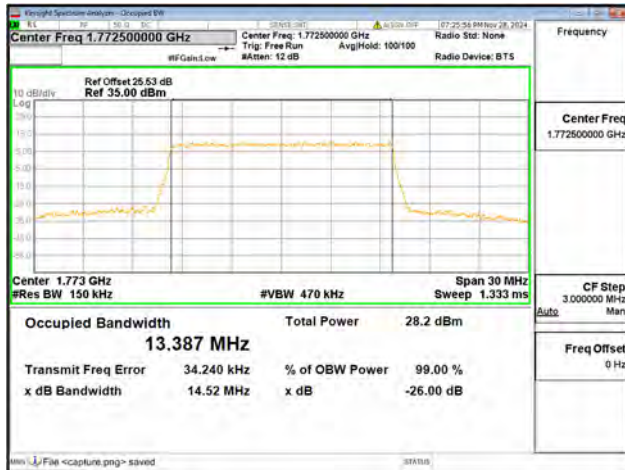
B66 / 15MHz / 64QAM/ Mid CH



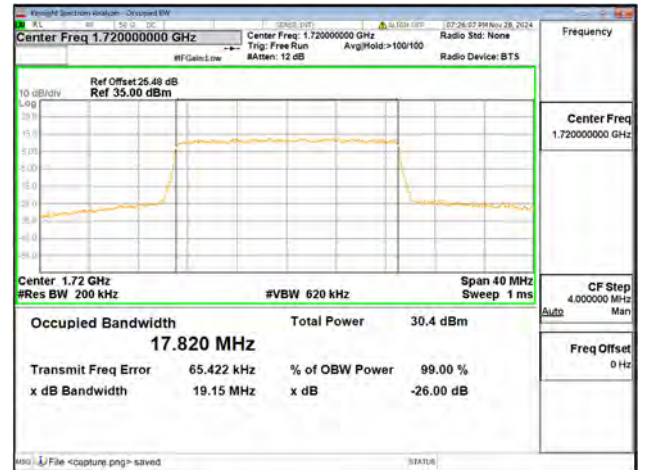
B66 / 15MHz / QPSK/ High CH



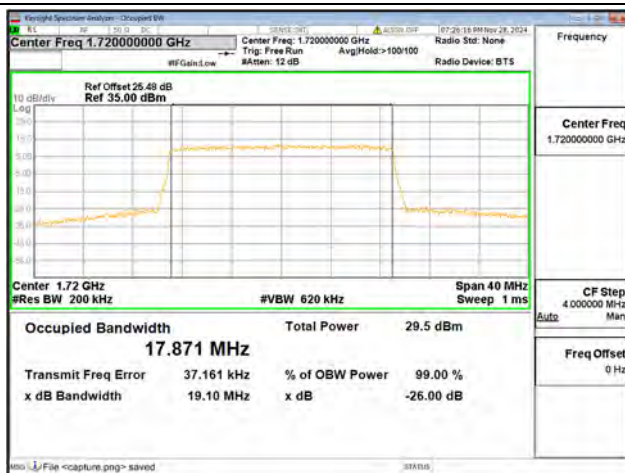
B66 / 15MHz / 16QAM/ High CH



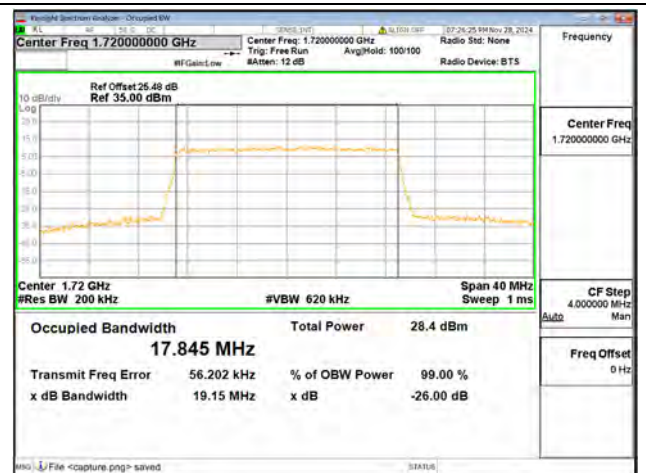
B66 / 15MHz / 64QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



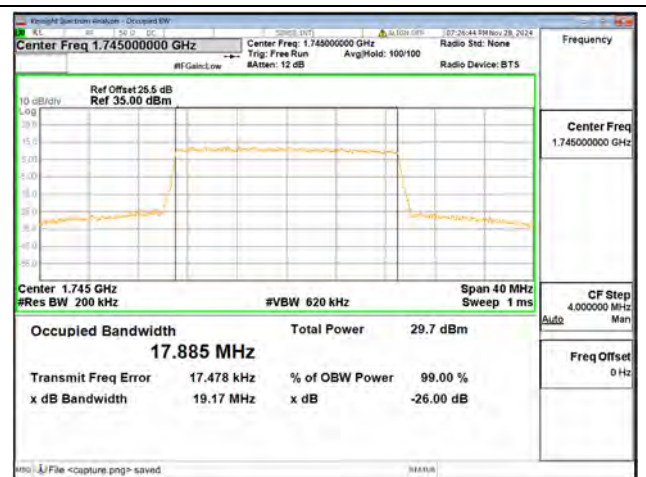
B66 / 20MHz / 16QAM/ Low CH



B66 / 20MHz / 64QAM/ Low CH



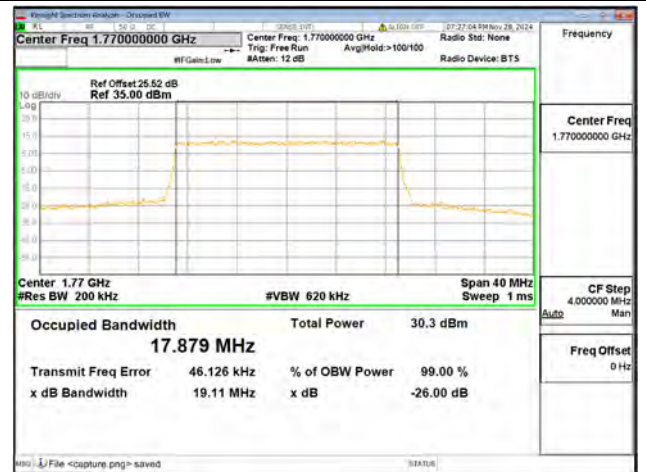
B66 / 20MHz / QPSK / Mid CH



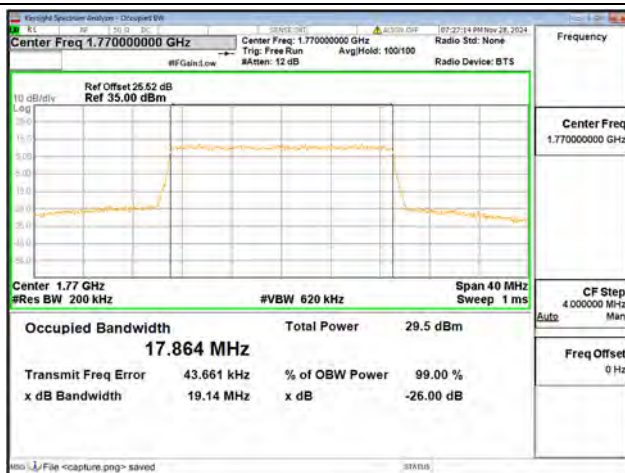
B66 / 20MHz / 16QAM / Mid CH



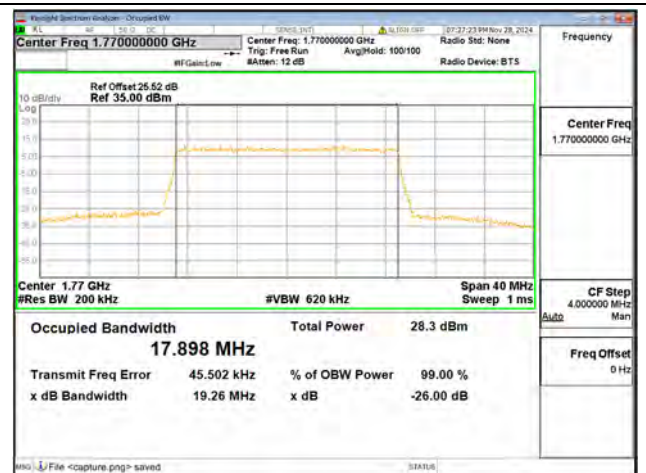
B66 / 20MHz / 64QAM / Mid CH



B66 / 20MHz / QPSK / High CH



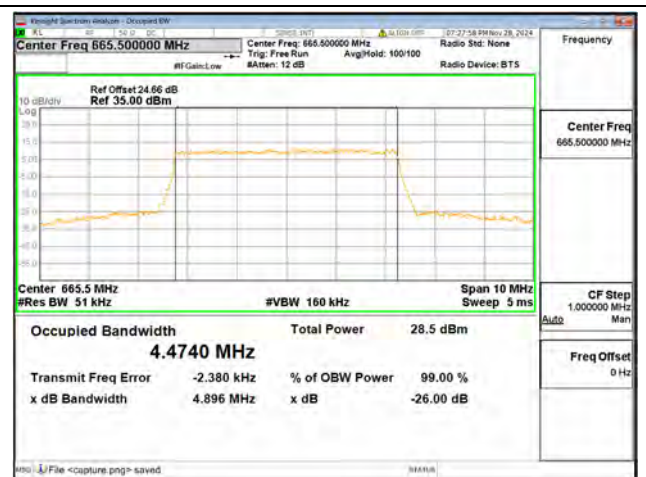
B66 / 20MHz / 16QAM / High CH



B66 / 20MHz / 64QAM / High CH



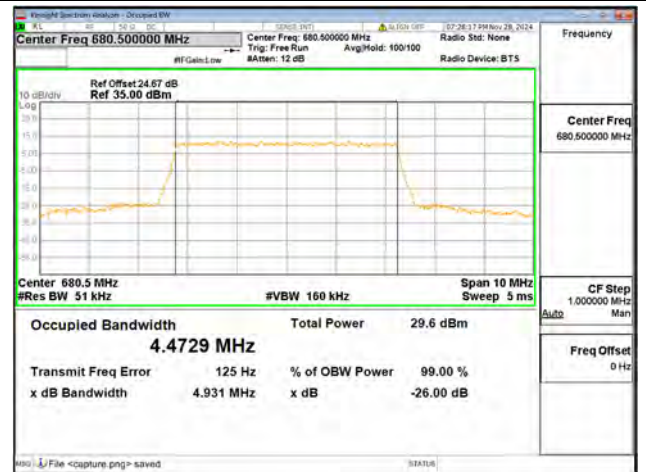
B71 / 5MHz / QPSK/ Low CH



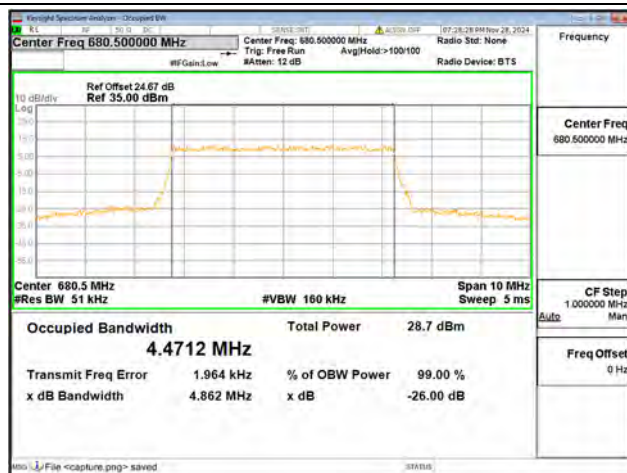
B71 / 5MHz / 16QAM/ Low CH



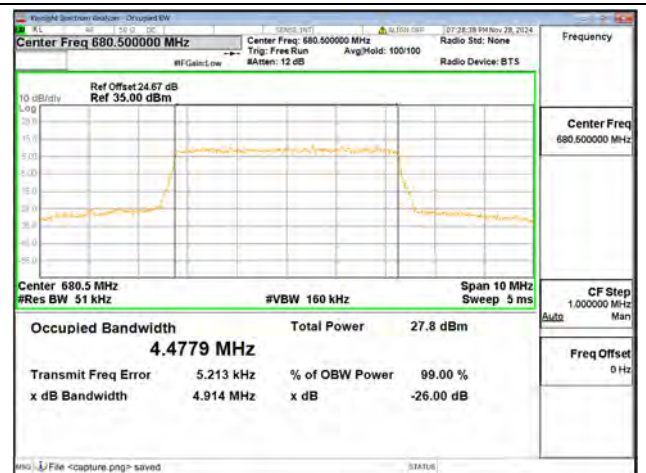
B71 / 5MHz / 64QAM/ Low CH



B71 / 5MHz / QPSK/ Mid CH



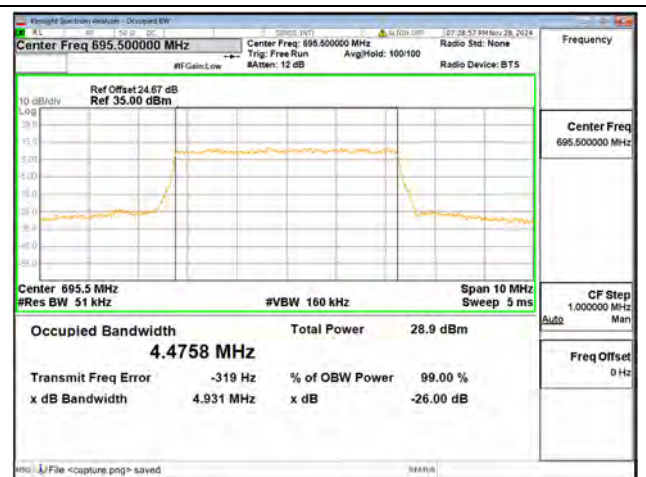
B71 / 5MHz / 16QAM/ Mid CH



B71 / 5MHz / 64QAM/ Mid CH



B71 / 5MHz / QPSK/ High CH



B71 / 5MHz / 16QAM/ High CH



B71 / 5MHz / 64QAM/ High CH



B71 / 10MHz / QPSK/ Low CH



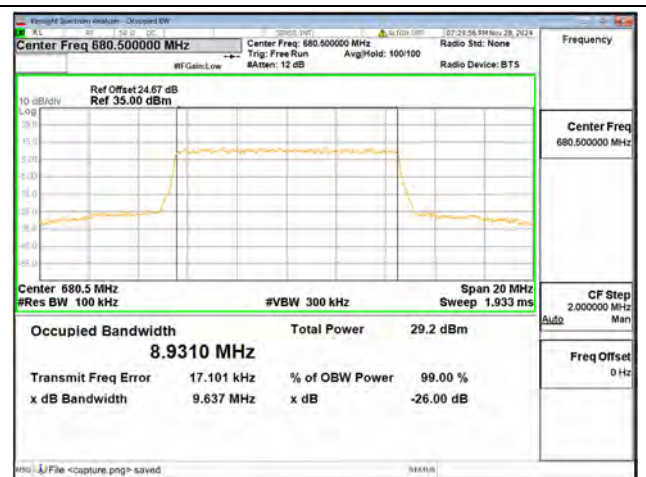
B71 / 10MHz / 16QAM/ Low CH



B71 / 10MHz / 64QAM/ Low CH



B71 / 10MHz / QPSK / Mid CH



B71 / 10MHz / 16QAM / Mid CH



B71 / 10MHz / 64QAM / Mid CH



B71 / 10MHz / QPSK / High CH



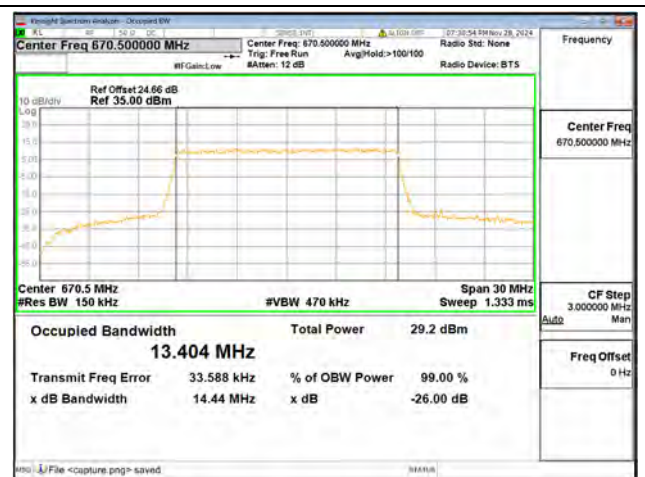
B71 / 10MHz / 16QAM / High CH



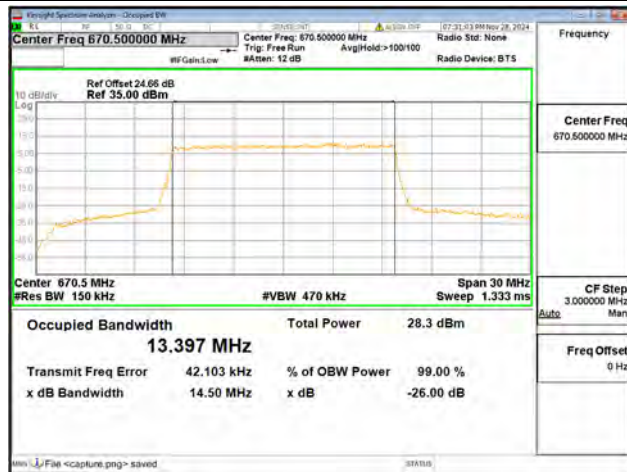
B71 / 10MHz / 64QAM / High CH



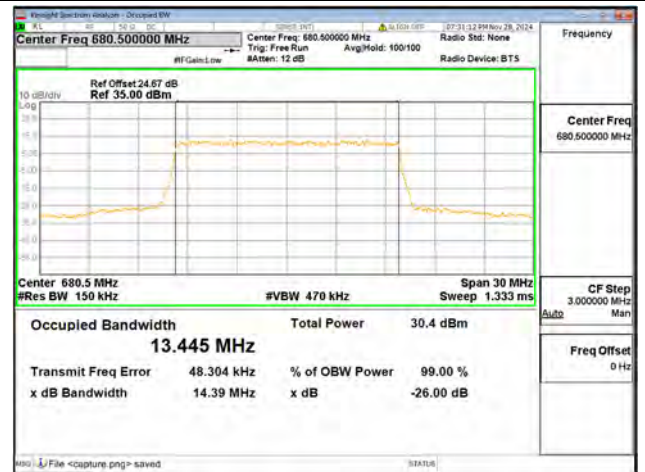
B71 / 15MHz / QPSK/ Low CH



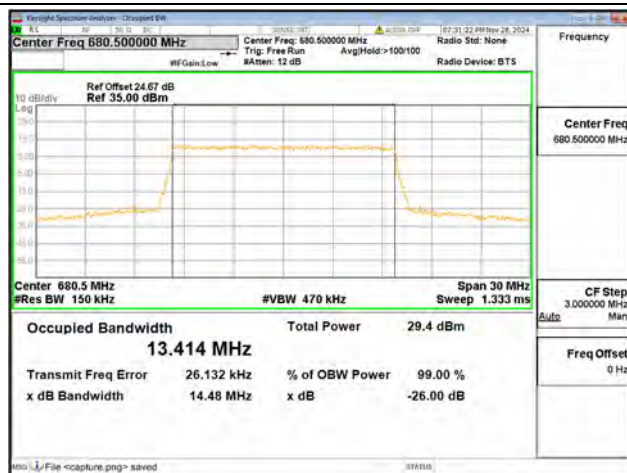
B71 / 15MHz / 16QAM/ Low CH



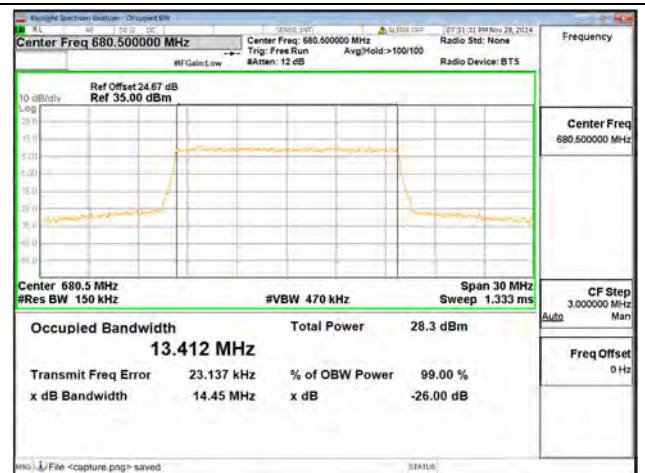
B71 / 15MHz / 64QAM/ Low CH



B71 / 15MHz / QPSK/ Mid CH



B71 / 15MHz / 16QAM/ Mid CH



B71 / 15MHz / 64QAM/ Mid CH



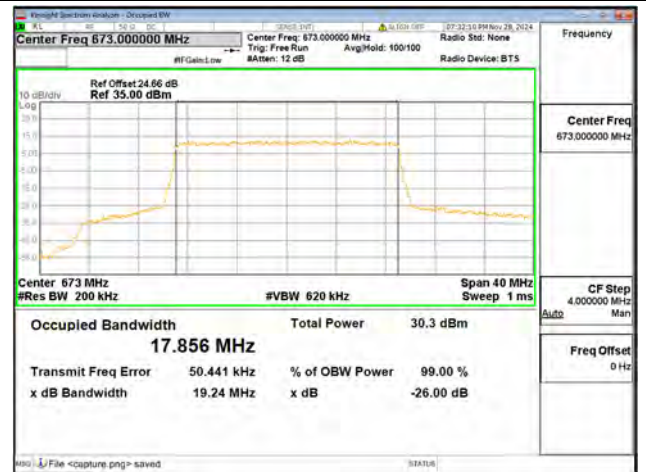
B71 / 15MHz / QPSK/ High CH



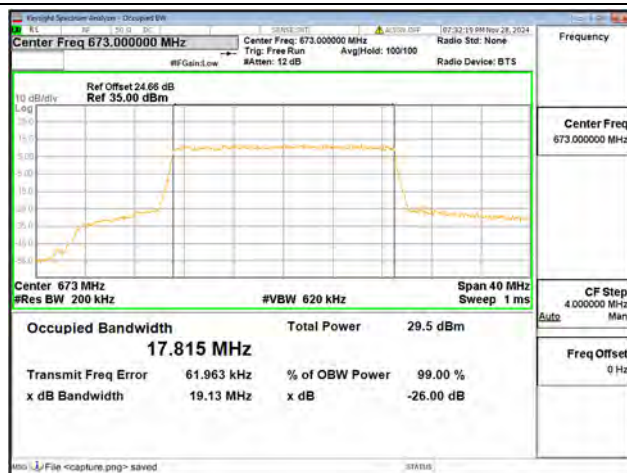
B71 / 15MHz / 16QAM/ High CH



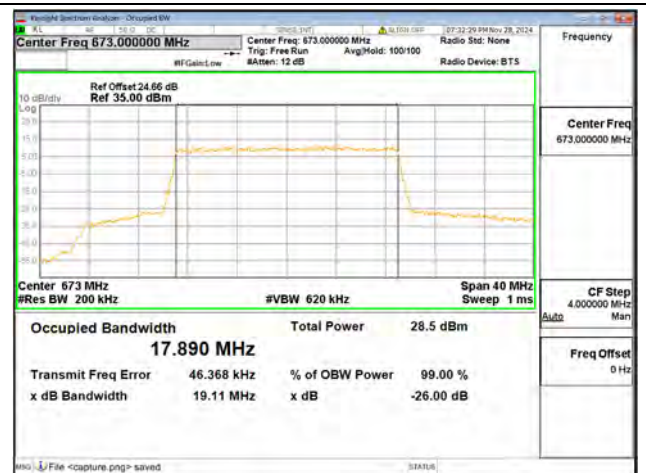
B71 / 15MHz / 64QAM/ High CH



B71 / 20MHz / QPSK/ Low CH



B71 / 20MHz / 16QAM/ Low CH



B71 / 20MHz / 64QAM/ Low CH



## 2.3. Frequency Stability

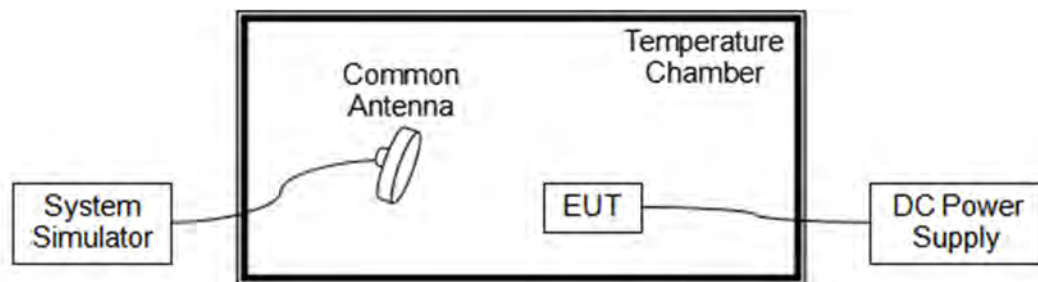
### 2.3.1. Requirement

According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  at intervals of not more than  $10^{\circ}\text{C}$ .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

**Note:** The operating temperature of EUT is from  $0^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ , which are specified by the applicant.

### 2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

### 2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.87V, 4.45V and 3.65V, which are specified by the applicant; the normal temperature here used is 20°C.

| <b>LTE Band 2, 64QAM, Channel 18900, Frequency 1880.0MHz</b> |                    |                 |                      |                        |               |
|--------------------------------------------------------------|--------------------|-----------------|----------------------|------------------------|---------------|
| <b>Limit =Within Authorized Band</b>                         |                    |                 |                      |                        |               |
| <b>Voltage (%)</b>                                           | <b>Power (VDC)</b> | <b>Temp(°C)</b> | <b>Fre. Dev.(Hz)</b> | <b>Deviation (ppm)</b> | <b>Result</b> |
| Normal                                                       | 3.87               | +20(Ref)        | 23                   | 0.012                  | PASS          |
| Normal                                                       |                    | 0               | -19                  | -0.010                 |               |
| Normal                                                       |                    | +10             | -20                  | -0.011                 |               |
| Normal                                                       |                    | +20             | 1                    | 0.001                  |               |
| Normal                                                       |                    | +30             | 18                   | 0.010                  |               |
| Normal                                                       |                    | +40             | -7                   | -0.004                 |               |
| High                                                         | 4.45               | +20             | 18                   | 0.010                  |               |
| BATT.ENDPOINT                                                | 3.65               | +20             | 5                    | 0.003                  |               |

| <b>LTE Band 4, 64QAM, Channel 20175, Frequency 1732.5MHz</b> |                    |                 |                      |                        |               |
|--------------------------------------------------------------|--------------------|-----------------|----------------------|------------------------|---------------|
| <b>Limit =Within Authorized Band</b>                         |                    |                 |                      |                        |               |
| <b>Voltage (%)</b>                                           | <b>Power (VDC)</b> | <b>Temp(°C)</b> | <b>Fre. Dev.(Hz)</b> | <b>Deviation (ppm)</b> | <b>Result</b> |
| Normal                                                       | 3.87               | +20(Ref)        | -7                   | -0.004                 | PASS          |
| Normal                                                       |                    | 0               | 20                   | 0.012                  |               |
| Normal                                                       |                    | +10             | 16                   | 0.009                  |               |
| Normal                                                       |                    | +20             | 22                   | 0.013                  |               |
| Normal                                                       |                    | +30             | -19                  | -0.011                 |               |
| Normal                                                       |                    | +40             | 4                    | 0.002                  |               |
| High                                                         | 4.45               | +20             | 15                   | 0.009                  |               |
| BATT.ENDPOINT                                                | 3.65               | +20             | 20                   | 0.012                  |               |



| LTE Band 5, 64QAM, Channel 20525, Frequency 836.5MHz<br>Limit=±2.5ppm |             |          |               |                 |        |
|-----------------------------------------------------------------------|-------------|----------|---------------|-----------------|--------|
| Voltage (%)                                                           | Power (VDC) | Temp(°C) | Fre. Dev.(Hz) | Deviation (ppm) | Result |
| Normal                                                                | 3.87        | +20(Ref) | 17            | 0.020           | PASS   |
| Normal                                                                |             | 0        | 14            | 0.017           |        |
| Normal                                                                |             | +10      | 22            | 0.026           |        |
| Normal                                                                |             | +20      | -10           | -0.012          |        |
| Normal                                                                |             | +30      | 18            | 0.022           |        |
| Normal                                                                |             | +40      | 20            | 0.024           |        |
| High                                                                  | 4.45        | +20      | 7             | 0.008           |        |
| BATT.ENDPOINT                                                         | 3.65        | +20      | 20            | 0.024           |        |

| LTE Band 12, 64QAM, Channel 23095, Frequency 707.5MHz<br>Limit =Within Authorized Band |             |          |               |                 |        |
|----------------------------------------------------------------------------------------|-------------|----------|---------------|-----------------|--------|
| Voltage (%)                                                                            | Power (VDC) | Temp(°C) | Fre. Dev.(Hz) | Deviation (ppm) | Result |
| Normal                                                                                 | 3.87        | +20(Ref) | 19            | 0.027           | PASS   |
| Normal                                                                                 |             | 0        | 18            | 0.025           |        |
| Normal                                                                                 |             | +10      | -13           | -0.018          |        |
| Normal                                                                                 |             | +20      | 4             | 0.006           |        |
| Normal                                                                                 |             | +30      | 15            | 0.021           |        |
| Normal                                                                                 |             | +40      | -17           | -0.024          |        |
| High                                                                                   | 4.45        | +20      | -16           | -0.023          |        |
| BATT.ENDPOINT                                                                          | 3.65        | +20      | 3             | 0.004           |        |



| LTE Band 13, 64QAM, Channel 23230, Frequency 782MHz<br>Limit=±2.5ppm |             |          |               |                 |        |
|----------------------------------------------------------------------|-------------|----------|---------------|-----------------|--------|
| Voltage (%)                                                          | Power (VDC) | Temp(°C) | Fre. Dev.(Hz) | Deviation (ppm) | Result |
| Normal                                                               | 3.87        | +20(Ref) | -23           | -0.029          | PASS   |
| Normal                                                               |             | 0        | 23            | 0.029           |        |
| Normal                                                               |             | +10      | -23           | -0.029          |        |
| Normal                                                               |             | +20      | -8            | -0.010          |        |
| Normal                                                               |             | +30      | 18            | 0.023           |        |
| Normal                                                               |             | +40      | 19            | 0.024           |        |
| High                                                                 | 4.45        | +20      | -6            | -0.008          |        |
| BATT.ENDPOINT                                                        | 3.65        | +20      | 20            | 0.026           |        |

| LTE Band 66, 64QAM, Channel 132322, Frequency 1745MHz<br>Limit =Within Authorized Band |             |          |               |                 |        |
|----------------------------------------------------------------------------------------|-------------|----------|---------------|-----------------|--------|
| Voltage (%)                                                                            | Power (VDC) | Temp(°C) | Fre. Dev.(Hz) | Deviation (ppm) | Result |
| Normal                                                                                 | 3.87        | +20(Ref) | 20            | 0.011           | PASS   |
| Normal                                                                                 |             | 0        | 10            | 0.006           |        |
| Normal                                                                                 |             | +10      | 13            | 0.007           |        |
| Normal                                                                                 |             | +20      | 7             | 0.004           |        |
| Normal                                                                                 |             | +30      | 14            | 0.008           |        |
| Normal                                                                                 |             | +40      | 17            | 0.010           |        |
| High                                                                                   | 4.45        | +20      | 17            | 0.010           |        |
| BATT.ENDPOINT                                                                          | 3.65        | +20      | -8            | -0.005          |        |



REPORT No.: SZ24080214W05

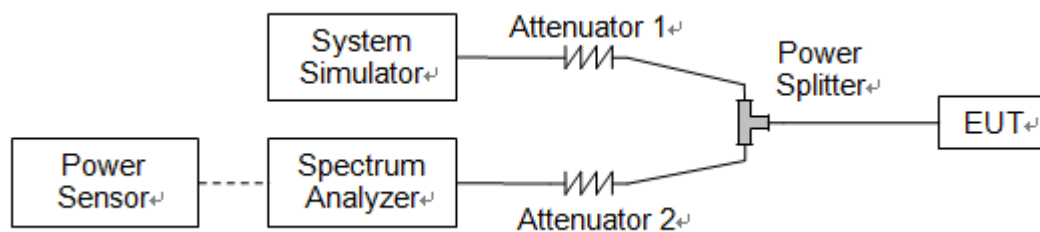
| LTE Band 71, 64QAM, Channel 133322, Frequency 683.0MHz<br>Limit=±2.5ppm |             |          |               |                 |        |
|-------------------------------------------------------------------------|-------------|----------|---------------|-----------------|--------|
| Voltage (%)                                                             | Power (VDC) | Temp(°C) | Fre. Dev.(Hz) | Deviation (ppm) | Result |
| Normal                                                                  | 3.87        | +20(Ref) | 13            | 0.019           | PASS   |
| Normal                                                                  |             | 0        | 9             | 0.013           |        |
| Normal                                                                  |             | +10      | 19            | 0.028           |        |
| Normal                                                                  |             | +20      | 20            | 0.029           |        |
| Normal                                                                  |             | +30      | 14            | 0.020           |        |
| Normal                                                                  |             | +40      | 13            | 0.019           |        |
| High                                                                    | 4.45        | +20      | 20            | 0.029           |        |
| BATT.ENDPOINT                                                           | 3.65        | +20      | 18            | 0.026           |        |

## 2.4. Peak to Average Ratio

### 2.4.1. Requirement

According to FCC section 24.232(d), 27.50(d) and 27.50(j)(4), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

### 2.4.2. 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.

### 2.4.3. Test Procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.



#### 2.4.4. Test Result

Record the maximum PAPR level associated with a probability of 0.1%.

| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | Peak to Average Radio(dB) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|---------------------------|---------|
| B2       | 1.4     | Low           | 18607   | 1850.7          | QPSK       | 5.43                      | PASS    |
| B2       | 1.4     | Low           | 18607   | 1850.7          | 16QAM      | 6.17                      | PASS    |
| B2       | 1.4     | Low           | 18607   | 1850.7          | 64QAM      | 6.42                      | PASS    |
| B2       | 1.4     | Mid           | 18900   | 1880            | QPSK       | 5.34                      | PASS    |
| B2       | 1.4     | Mid           | 18900   | 1880            | 16QAM      | 6.11                      | PASS    |
| B2       | 1.4     | Mid           | 18900   | 1880            | 64QAM      | 6.36                      | PASS    |
| B2       | 1.4     | High          | 19193   | 1909.3          | QPSK       | 5.44                      | PASS    |
| B2       | 1.4     | High          | 19193   | 1909.3          | 16QAM      | 6.16                      | PASS    |
| B2       | 1.4     | High          | 19193   | 1909.3          | 64QAM      | 6.37                      | PASS    |
| B2       | 3       | Low           | 18615   | 1851.5          | QPSK       | 5.47                      | PASS    |
| B2       | 3       | Low           | 18615   | 1851.5          | 16QAM      | 6.25                      | PASS    |
| B2       | 3       | Low           | 18615   | 1851.5          | 64QAM      | 6.36                      | PASS    |
| B2       | 3       | Mid           | 18900   | 1880            | QPSK       | 5.40                      | PASS    |
| B2       | 3       | Mid           | 18900   | 1880            | 16QAM      | 6.18                      | PASS    |
| B2       | 3       | Mid           | 18900   | 1880            | 64QAM      | 6.33                      | PASS    |
| B2       | 3       | High          | 19185   | 1908.5          | QPSK       | 5.43                      | PASS    |
| B2       | 3       | High          | 19185   | 1908.5          | 16QAM      | 6.24                      | PASS    |
| B2       | 3       | High          | 19185   | 1908.5          | 64QAM      | 6.37                      | PASS    |
| B2       | 5       | Low           | 18625   | 1852.5          | QPSK       | 5.50                      | PASS    |
| B2       | 5       | Low           | 18625   | 1852.5          | 16QAM      | 6.10                      | PASS    |
| B2       | 5       | Low           | 18625   | 1852.5          | 64QAM      | 6.40                      | PASS    |
| B2       | 5       | Mid           | 18900   | 1880            | QPSK       | 5.54                      | PASS    |
| B2       | 5       | Mid           | 18900   | 1880            | 16QAM      | 6.17                      | PASS    |
| B2       | 5       | Mid           | 18900   | 1880            | 64QAM      | 6.37                      | PASS    |
| B2       | 5       | High          | 19175   | 1907.5          | QPSK       | 5.56                      | PASS    |
| B2       | 5       | High          | 19175   | 1907.5          | 16QAM      | 6.14                      | PASS    |
| B2       | 5       | High          | 19175   | 1907.5          | 64QAM      | 6.36                      | PASS    |
| B2       | 10      | Low           | 18650   | 1855            | QPSK       | 5.41                      | PASS    |
| B2       | 10      | Low           | 18650   | 1855            | 16QAM      | 6.07                      | PASS    |
| B2       | 10      | Low           | 18650   | 1855            | 64QAM      | 6.31                      | PASS    |
| B2       | 10      | Mid           | 18900   | 1880            | QPSK       | 5.54                      | PASS    |



REPORT No.: SZ24080214W05

|    |    |      |       |        |       |      |      |
|----|----|------|-------|--------|-------|------|------|
| B2 | 10 | Mid  | 18900 | 1880   | 16QAM | 6.15 | PASS |
| B2 | 10 | Mid  | 18900 | 1880   | 64QAM | 6.32 | PASS |
| B2 | 10 | High | 19150 | 1905   | QPSK  | 5.51 | PASS |
| B2 | 10 | High | 19150 | 1905   | 16QAM | 6.12 | PASS |
| B2 | 10 | High | 19150 | 1905   | 64QAM | 6.35 | PASS |
| B2 | 15 | Low  | 18675 | 1857.5 | QPSK  | 5.30 | PASS |
| B2 | 15 | Low  | 18675 | 1857.5 | 16QAM | 5.99 | PASS |
| B2 | 15 | Low  | 18675 | 1857.5 | 64QAM | 6.27 | PASS |
| B2 | 15 | Mid  | 18900 | 1880   | QPSK  | 5.33 | PASS |
| B2 | 15 | Mid  | 18900 | 1880   | 16QAM | 6.02 | PASS |
| B2 | 15 | Mid  | 18900 | 1880   | 64QAM | 6.34 | PASS |
| B2 | 15 | High | 19125 | 1902.5 | QPSK  | 5.49 | PASS |
| B2 | 15 | High | 19125 | 1902.5 | 16QAM | 6.15 | PASS |
| B2 | 15 | High | 19125 | 1902.5 | 64QAM | 6.50 | PASS |
| B2 | 20 | Low  | 18700 | 1860   | QPSK  | 5.32 | PASS |
| B2 | 20 | Low  | 18700 | 1860   | 16QAM | 6.13 | PASS |
| B2 | 20 | Low  | 18700 | 1860   | 64QAM | 6.38 | PASS |
| B2 | 20 | Mid  | 18900 | 1880   | QPSK  | 5.42 | PASS |
| B2 | 20 | Mid  | 18900 | 1880   | 16QAM | 6.13 | PASS |
| B2 | 20 | Mid  | 18900 | 1880   | 64QAM | 6.39 | PASS |
| B2 | 20 | High | 19100 | 1900   | QPSK  | 5.55 | PASS |
| B2 | 20 | High | 19100 | 1900   | 16QAM | 6.22 | PASS |
| B2 | 20 | High | 19100 | 1900   | 64QAM | 6.47 | PASS |



| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | Peak to Average Radio(dB) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|---------------------------|---------|
| B4       | 1.4     | Low           | 19957   | 1710.7          | QPSK       | 5.85                      | PASS    |
| B4       | 1.4     | Low           | 19957   | 1710.7          | 16QAM      | 6.55                      | PASS    |
| B4       | 1.4     | Low           | 19957   | 1710.7          | 64QAM      | 6.92                      | PASS    |
| B4       | 1.4     | Mid           | 20175   | 1732.5          | QPSK       | 4.81                      | PASS    |
| B4       | 1.4     | Mid           | 20175   | 1732.5          | 16QAM      | 5.59                      | PASS    |
| B4       | 1.4     | Mid           | 20175   | 1732.5          | 64QAM      | 6.12                      | PASS    |
| B4       | 1.4     | High          | 20393   | 1754.3          | QPSK       | 5.48                      | PASS    |
| B4       | 1.4     | High          | 20393   | 1754.3          | 16QAM      | 6.19                      | PASS    |
| B4       | 1.4     | High          | 20393   | 1754.3          | 64QAM      | 6.60                      | PASS    |
| B4       | 3       | Low           | 19965   | 1711.5          | QPSK       | 5.98                      | PASS    |
| B4       | 3       | Low           | 19965   | 1711.5          | 16QAM      | 6.67                      | PASS    |
| B4       | 3       | Low           | 19965   | 1711.5          | 64QAM      | 6.86                      | PASS    |
| B4       | 3       | Mid           | 20175   | 1732.5          | QPSK       | 5.07                      | PASS    |
| B4       | 3       | Mid           | 20175   | 1732.5          | 16QAM      | 5.82                      | PASS    |
| B4       | 3       | Mid           | 20175   | 1732.5          | 64QAM      | 6.12                      | PASS    |
| B4       | 3       | High          | 20385   | 1753.5          | QPSK       | 5.62                      | PASS    |
| B4       | 3       | High          | 20385   | 1753.5          | 16QAM      | 6.34                      | PASS    |
| B4       | 3       | High          | 20385   | 1753.5          | 64QAM      | 6.62                      | PASS    |
| B4       | 5       | Low           | 19975   | 1712.5          | QPSK       | 5.86                      | PASS    |
| B4       | 5       | Low           | 19975   | 1712.5          | 16QAM      | 6.51                      | PASS    |
| B4       | 5       | Low           | 19975   | 1712.5          | 64QAM      | 6.74                      | PASS    |
| B4       | 5       | Mid           | 20175   | 1732.5          | QPSK       | 5.24                      | PASS    |
| B4       | 5       | Mid           | 20175   | 1732.5          | 16QAM      | 5.92                      | PASS    |
| B4       | 5       | Mid           | 20175   | 1732.5          | 64QAM      | 6.31                      | PASS    |
| B4       | 5       | High          | 20375   | 1752.5          | QPSK       | 5.64                      | PASS    |
| B4       | 5       | High          | 20375   | 1752.5          | 16QAM      | 6.28                      | PASS    |
| B4       | 5       | High          | 20375   | 1752.5          | 64QAM      | 6.66                      | PASS    |
| B4       | 10      | Low           | 20000   | 1715            | QPSK       | 5.75                      | PASS    |
| B4       | 10      | Low           | 20000   | 1715            | 16QAM      | 6.38                      | PASS    |
| B4       | 10      | Low           | 20000   | 1715            | 64QAM      | 6.69                      | PASS    |
| B4       | 10      | Mid           | 20175   | 1732.5          | QPSK       | 5.31                      | PASS    |
| B4       | 10      | Mid           | 20175   | 1732.5          | 16QAM      | 5.93                      | PASS    |
| B4       | 10      | Mid           | 20175   | 1732.5          | 64QAM      | 6.24                      | PASS    |
| B4       | 10      | High          | 20350   | 1750            | QPSK       | 5.73                      | PASS    |
| B4       | 10      | High          | 20350   | 1750            | 16QAM      | 6.33                      | PASS    |



REPORT No.: SZ24080214W05

|    |    |      |       |        |       |      |      |
|----|----|------|-------|--------|-------|------|------|
| B4 | 10 | High | 20350 | 1750   | 64QAM | 6.61 | PASS |
| B4 | 15 | Low  | 20025 | 1717.5 | QPSK  | 5.57 | PASS |
| B4 | 15 | Low  | 20025 | 1717.5 | 16QAM | 6.22 | PASS |
| B4 | 15 | Low  | 20025 | 1717.5 | 64QAM | 6.56 | PASS |
| B4 | 15 | Mid  | 20175 | 1732.5 | QPSK  | 5.12 | PASS |
| B4 | 15 | Mid  | 20175 | 1732.5 | 16QAM | 5.78 | PASS |
| B4 | 15 | Mid  | 20175 | 1732.5 | 64QAM | 6.22 | PASS |
| B4 | 15 | High | 20325 | 1747.5 | QPSK  | 5.56 | PASS |
| B4 | 15 | High | 20325 | 1747.5 | 16QAM | 6.21 | PASS |
| B4 | 15 | High | 20325 | 1747.5 | 64QAM | 6.64 | PASS |
| B4 | 20 | Low  | 20050 | 1720   | QPSK  | 5.48 | PASS |
| B4 | 20 | Low  | 20050 | 1720   | 16QAM | 6.19 | PASS |
| B4 | 20 | Low  | 20050 | 1720   | 64QAM | 6.46 | PASS |
| B4 | 20 | Mid  | 20175 | 1732.5 | QPSK  | 5.22 | PASS |
| B4 | 20 | Mid  | 20175 | 1732.5 | 16QAM | 5.97 | PASS |
| B4 | 20 | Mid  | 20175 | 1732.5 | 64QAM | 6.28 | PASS |
| B4 | 20 | High | 20300 | 1745   | QPSK  | 5.52 | PASS |
| B4 | 20 | High | 20300 | 1745   | 16QAM | 6.23 | PASS |
| B4 | 20 | High | 20300 | 1745   | 64QAM | 6.57 | PASS |





| LTE Band | BW(MHz) | Channel Level | Channel | Frequency (MHz) | Modulation | Peak to Average Radio(dB) | Verdict |
|----------|---------|---------------|---------|-----------------|------------|---------------------------|---------|
| B66      | 1.4     | Low           | 131979  | 1710.7          | QPSK       | 5.37                      | PASS    |
| B66      | 1.4     | Low           | 131979  | 1710.7          | 16QAM      | 6.28                      | PASS    |
| B66      | 1.4     | Low           | 131979  | 1710.7          | 64QAM      | 6.14                      | PASS    |
| B66      | 1.4     | Mid           | 132322  | 1745            | QPSK       | 5.51                      | PASS    |
| B66      | 1.4     | Mid           | 132322  | 1745            | 16QAM      | 6.28                      | PASS    |
| B66      | 1.4     | Mid           | 132322  | 1745            | 64QAM      | 6.24                      | PASS    |
| B66      | 1.4     | High          | 132665  | 1779.3          | QPSK       | 5.45                      | PASS    |
| B66      | 1.4     | High          | 132665  | 1779.3          | 16QAM      | 6.26                      | PASS    |
| B66      | 1.4     | High          | 132665  | 1779.3          | 64QAM      | 6.13                      | PASS    |
| B66      | 3       | Low           | 131987  | 1711.5          | QPSK       | 5.49                      | PASS    |
| B66      | 3       | Low           | 131987  | 1711.5          | 16QAM      | 6.29                      | PASS    |
| B66      | 3       | Low           | 131987  | 1711.5          | 64QAM      | 6.09                      | PASS    |
| B66      | 3       | Mid           | 132322  | 1745            | QPSK       | 5.49                      | PASS    |
| B66      | 3       | Mid           | 132322  | 1745            | 16QAM      | 6.34                      | PASS    |
| B66      | 3       | Mid           | 132322  | 1745            | 64QAM      | 6.14                      | PASS    |
| B66      | 3       | High          | 132657  | 1778.5          | QPSK       | 5.44                      | PASS    |
| B66      | 3       | High          | 132657  | 1778.5          | 16QAM      | 6.26                      | PASS    |
| B66      | 3       | High          | 132657  | 1778.5          | 64QAM      | 6.07                      | PASS    |
| B66      | 5       | Low           | 131997  | 1712.5          | QPSK       | 5.62                      | PASS    |
| B66      | 5       | Low           | 131997  | 1712.5          | 16QAM      | 6.16                      | PASS    |
| B66      | 5       | Low           | 131997  | 1712.5          | 64QAM      | 6.11                      | PASS    |
| B66      | 5       | Mid           | 132322  | 1745            | QPSK       | 5.61                      | PASS    |
| B66      | 5       | Mid           | 132322  | 1745            | 16QAM      | 6.25                      | PASS    |
| B66      | 5       | Mid           | 132322  | 1745            | 64QAM      | 6.16                      | PASS    |
| B66      | 5       | High          | 132647  | 1777.5          | QPSK       | 5.54                      | PASS    |
| B66      | 5       | High          | 132647  | 1777.5          | 16QAM      | 6.21                      | PASS    |
| B66      | 5       | High          | 132647  | 1777.5          | 64QAM      | 6.10                      | PASS    |
| B66      | 10      | Low           | 132022  | 1715            | QPSK       | 5.43                      | PASS    |
| B66      | 10      | Low           | 132022  | 1715            | 16QAM      | 6.17                      | PASS    |
| B66      | 10      | Low           | 132022  | 1715            | 64QAM      | 6.10                      | PASS    |
| B66      | 10      | Mid           | 132322  | 1745            | QPSK       | 5.55                      | PASS    |
| B66      | 10      | Mid           | 132322  | 1745            | 16QAM      | 6.20                      | PASS    |
| B66      | 10      | Mid           | 132322  | 1745            | 64QAM      | 6.18                      | PASS    |
| B66      | 10      | High          | 132622  | 1775            | QPSK       | 5.54                      | PASS    |
| B66      | 10      | High          | 132622  | 1775            | 16QAM      | 6.15                      | PASS    |



REPORT No.: SZ24080214W05

|     |    |      |        |        |       |      |      |
|-----|----|------|--------|--------|-------|------|------|
| B66 | 10 | High | 132622 | 1775   | 64QAM | 6.12 | PASS |
| B66 | 15 | Low  | 132047 | 1717.5 | QPSK  | 5.20 | PASS |
| B66 | 15 | Low  | 132047 | 1717.5 | 16QAM | 5.96 | PASS |
| B66 | 15 | Low  | 132047 | 1717.5 | 64QAM | 5.91 | PASS |
| B66 | 15 | Mid  | 132322 | 1745   | QPSK  | 5.33 | PASS |
| B66 | 15 | Mid  | 132322 | 1745   | 16QAM | 6.01 | PASS |
| B66 | 15 | Mid  | 132322 | 1745   | 64QAM | 5.96 | PASS |
| B66 | 15 | High | 132597 | 1772.5 | QPSK  | 5.28 | PASS |
| B66 | 15 | High | 132597 | 1772.5 | 16QAM | 5.99 | PASS |
| B66 | 15 | High | 132597 | 1772.5 | 64QAM | 5.97 | PASS |
| B66 | 20 | Low  | 132072 | 1720   | QPSK  | 5.27 | PASS |
| B66 | 20 | Low  | 132072 | 1720   | 16QAM | 6.08 | PASS |
| B66 | 20 | Low  | 132072 | 1720   | 64QAM | 6.03 | PASS |
| B66 | 20 | Mid  | 132322 | 1745   | QPSK  | 5.34 | PASS |
| B66 | 20 | Mid  | 132322 | 1745   | 16QAM | 6.07 | PASS |
| B66 | 20 | Mid  | 132322 | 1745   | 64QAM | 6.07 | PASS |
| B66 | 20 | High | 132572 | 1770   | QPSK  | 5.31 | PASS |
| B66 | 20 | High | 132572 | 1770   | 16QAM | 6.05 | PASS |
| B66 | 20 | High | 132572 | 1770   | 64QAM | 6.02 | PASS |

