



# RF TEST REPORT

**Report No.:** 20241017G21838X-W2

**Product Name:** LTE Wireless Data Module

**Model No. :** SIM6600-eM2

**FCC ID:** 2AJYU-8MH0012

**Applicant:** SIMCom Wireless Solutions Limited

**Address:** Building 3, No. 289, Linhong Road, Changning District, Shanghai,  
P.R.China

**Dates of Testing:** 10/30/2024 - 11/14/2024

**Issued by:** CCIC Southern Testing Co., Ltd.

**Lab Location:** Electronic Testing Building, No.43, Shahe Road, Xili Street,  
Nanshan District, Shenzhen, Guangdong, China.

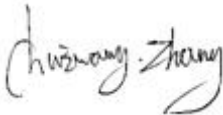
**Tel:** 86-755-26627338      **E-Mail:** manager@ccic-set.com

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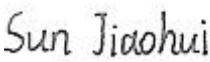


## Test Report

**Product**.....: LTE Wireless Data Module  
**Trade Name** .....: SIMCom  
**Applicant**.....: SIMCom Wireless Solutions Limited  
**Applicant Address**.....: Building 3, No. 289, Linhong Road, Changning District,  
Shanghai, P.R.China  
**Manufacturer**.....: SIMCom Wireless Solutions Limited  
**Manufacturer Address**.....: Building 3, No. 289, Linhong Road, Changning District,  
Shanghai, P.R.China  
**Test Standards**.....: 47 CFR Part 2/22/24/27/90  
**Test Result**.....: Pass

**Tested by** .....:  2024.11.14

Chuiwang Zhang, Test Engineer

**Reviewed by**.....:  2024.11.14

Sun Jiaohui, Senior Engineer

**Approved by**.....:  2024.11.14

Chris You, Manager



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| Change History |            |                   |
|----------------|------------|-------------------|
| Issue          | Date       | Reason for change |
| 1.0            | 2024.11.14 | First edition     |
|                |            |                   |



## 1. GENERAL INFORMATION

### 1.1. EUT Description

|                                 |                                                                                                                                                                                                                                                                                 |                                                                                                                                                                          |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name                    | LTE Wireless Data Module                                                                                                                                                                                                                                                        |                                                                                                                                                                          |
| Model No.                       | SIM6600-eM2                                                                                                                                                                                                                                                                     |                                                                                                                                                                          |
| EUT supports Radios application | LTE Band 2/4/5/7/12/13/17/25/26/41/66/71                                                                                                                                                                                                                                        |                                                                                                                                                                          |
| Frequency Range(UL)             | LTE Band 2: 1850MHz~1910MHz<br>LTE Band 4: 1710MHz~1755MHz<br>LTE Band 5: 824MHz~849MHz<br>LTE Band 7: 2500MHz~2570MHz<br>LTE Band 12: 699MHz~716MHz<br>LTE Band 13: 777MHz~787MHz<br>LTE Band 17: 704MHz~716MHz<br>LTE Band 25: 1850MHz~1915MHz                                | LTE Band 26(Part 90): 814MHz~824MHz<br>LTE Band 26(Part 22): 824MHz~849MHz<br>LTE Band 41: 2496MHz~2690MHz<br>LTE Band 66: 1710MHz~1780MHz<br>LTE Band 71: 663MHz~698MHz |
| Channel Bandwidth               | LTE Band 2/4/25/66: 1.4MHz/3MHz/5MHz/10MHz/15MHz/20MHz<br>LTE Band 5/12: 1.4MHz/3MHz/5MHz/10MHz<br>LTE Band 26(Part 22): 1.4MHz/3MHz/5MHz/10MHz/15MHz<br>LTE Band 7/41/71: 5MHz/10MHz/15MHz/20MHz<br>LTE Band 13/17: 5MHz/10MHz<br>LTE Band 26(Part 90): 1.4MHz/3MHz/5MHz/10MHz |                                                                                                                                                                          |
| Modulation Type                 | QPSK/16QAM/64QAM(downlink only)                                                                                                                                                                                                                                                 |                                                                                                                                                                          |
| Maximum ERP/EIRP                | LTE Band 2: 25.54dBm<br>LTE Band 4: 26.76dBm<br>LTE Band 5: 22.23dBm<br>LTE Band 7: 26.02dBm<br>LTE Band 12: 22.41dBm<br>LTE Band 13: 23.72dBm<br>LTE Band 17: 21.82dBm                                                                                                         | LTE Band 25: 25.11dBm<br>LTE Band 26(Part 22): 21.97dBm<br>LTE Band 26(Part 90): 22.17dBm<br>LTE Band 41: 26.44dBm<br>LTE Band 66: 26.70dBm<br>LTE Band 71: 21.05dBm     |
| Antenna Type                    | External Antenna                                                                                                                                                                                                                                                                |                                                                                                                                                                          |
| Antenna gain                    | LTE Band 2/25: 1.87dBi<br>LTE Band 4/66: 3.12dBi<br>LTE Band 5: 0.64dBi<br>LTE Band 7/41: 2.90dBi<br>LTE Band 12/17: 0.95dBi                                                                                                                                                    | LTE Band 13: 2.23dBi<br>LTE Band 26(Part 22): 0.64dBi<br>LTE Band 26(Part 90): 0.91dBi<br>LTE Band 71: -0.48dBi                                                          |
| Power supply                    | DC 3.7V                                                                                                                                                                                                                                                                         |                                                                                                                                                                          |

Note 1: The information of antenna gain and cable loss is provided by the manufacturer and our lab is not responsible for the accuracy of the antenna gain and cable loss information.

## 1.2. Maximum ERP/EIRP, Frequency Tolerance and Emission Designator

| LTE Bands   | Type of Modulation | Bandwidth (MHz) | Emission Designator | Frequency Tolerance (ppm) | Maximum EIRP(W) |
|-------------|--------------------|-----------------|---------------------|---------------------------|-----------------|
| LTE Band 2  | QPSK               | 1.4             | 1M09G7D             | —                         | 0.341           |
| LTE Band 2  | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.264           |
| LTE Band 2  | QPSK               | 3               | 2M68G7D             | —                         | 0.358           |
| LTE Band 2  | 16QAM              | 3               | 2M67W7D             | —                         | 0.292           |
| LTE Band 2  | QPSK               | 5               | 4M50G7D             | —                         | 0.332           |
| LTE Band 2  | 16QAM              | 5               | 4M48W7D             | —                         | 0.259           |
| LTE Band 2  | QPSK               | 10              | 8M95G7D             | -0.028213                 | 0.326           |
| LTE Band 2  | 16QAM              | 10              | 8M94W7D             | —                         | 0.261           |
| LTE Band 2  | QPSK               | 15              | 13M5G7D             | —                         | 0.317           |
| LTE Band 2  | 16QAM              | 15              | 13M5W7D             | —                         | 0.254           |
| LTE Band 2  | QPSK               | 20              | 17M9G7D             | —                         | 0.321           |
| LTE Band 2  | 16QAM              | 20              | 17M9W7D             | —                         | 0.248           |
| LTE Band 4  | QPSK               | 1.4             | 1M09G7D             | —                         | 0.474           |
| LTE Band 4  | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.360           |
| LTE Band 4  | QPSK               | 3               | 2M68G7D             | —                         | 0.438           |
| LTE Band 4  | 16QAM              | 3               | 2M67W7D             | —                         | 0.352           |
| LTE Band 4  | QPSK               | 5               | 4M49G7D             | —                         | 0.446           |
| LTE Band 4  | 16QAM              | 5               | 4M49W7D             | —                         | 0.352           |
| LTE Band 4  | QPSK               | 10              | 8M94G7D             | -0.014476                 | 0.450           |
| LTE Band 4  | 16QAM              | 10              | 8M94W7D             | —                         | 0.359           |
| LTE Band 4  | QPSK               | 15              | 13M5G7D             | —                         | 0.440           |
| LTE Band 4  | 16QAM              | 15              | 13M5W7D             | —                         | 0.357           |
| LTE Band 4  | QPSK               | 20              | 17M9G7D             | —                         | 0.452           |
| LTE Band 4  | 16QAM              | 20              | 17M9W7D             | —                         | 0.367           |
| LTE Band 7  | QPSK               | 5               | 4M50G7D             | —                         | 0.400           |
| LTE Band 7  | 16QAM              | 5               | 4M49W7D             | —                         | 0.309           |
| LTE Band 7  | QPSK               | 10              | 8M94G7D             | 0.009487                  | 0.397           |
| LTE Band 7  | 16QAM              | 10              | 8M94W7D             | —                         | 0.302           |
| LTE Band 7  | QPSK               | 15              | 13M5G7D             | —                         | 0.378           |
| LTE Band 7  | 16QAM              | 15              | 13M5W7D             | —                         | 0.308           |
| LTE Band 7  | QPSK               | 20              | 17M9G7D             | —                         | 0.390           |
| LTE Band 7  | 16QAM              | 20              | 17M9W7D             | —                         | 0.316           |
| LTE Band 25 | QPSK               | 1.4             | 1M09G7D             | —                         | 0.316           |
| LTE Band 25 | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.242           |
| LTE Band 25 | QPSK               | 3               | 2M68G7D             | —                         | 0.306           |
| LTE Band 25 | 16QAM              | 3               | 2M68W7D             | —                         | 0.247           |
| LTE Band 25 | QPSK               | 5               | 4M52G7D             | —                         | 0.310           |
| LTE Band 25 | 16QAM              | 5               | 4M51W7D             | —                         | 0.246           |



|             |       |     |         |           |       |
|-------------|-------|-----|---------|-----------|-------|
| LTE Band 25 | QPSK  | 10  | 8M96G7D | -0.010911 | 0.318 |
| LTE Band 25 | 16QAM | 10  | 8M94W7D | —         | 0.254 |
| LTE Band 25 | QPSK  | 15  | 13M5G7D | —         | 0.316 |
| LTE Band 25 | 16QAM | 15  | 13M5W7D | —         | 0.252 |
| LTE Band 25 | QPSK  | 20  | 17M9G7D | —         | 0.324 |
| LTE Band 25 | 16QAM | 20  | 18M0W7D | —         | 0.255 |
| LTE Band 41 | QPSK  | 5   | 4M50G7D | —         | 0.411 |
| LTE Band 41 | 16QAM | 5   | 4M50W7D | —         | 0.347 |
| LTE Band 41 | QPSK  | 10  | 8M96G7D | -0.010911 | 0.441 |
| LTE Band 41 | 16QAM | 10  | 8M94W7D | —         | 0.354 |
| LTE Band 41 | QPSK  | 15  | 13M5G7D | —         | 0.420 |
| LTE Band 41 | 16QAM | 15  | 13M5W7D | —         | 0.341 |
| LTE Band 41 | QPSK  | 20  | 17M9G7D | —         | 0.440 |
| LTE Band 41 | 16QAM | 20  | 17M9W7D | —         | 0.340 |
| LTE Band 66 | QPSK  | 1.4 | 1M09G7D | —         | 0.449 |
| LTE Band 66 | 16QAM | 1.4 | 1M10W7D | —         | 0.366 |
| LTE Band 66 | QPSK  | 3   | 2M68G7D | —         | 0.444 |
| LTE Band 66 | 16QAM | 3   | 2M67W7D | —         | 0.356 |
| LTE Band 66 | QPSK  | 5   | 4M52G7D | —         | 0.451 |
| LTE Band 66 | 16QAM | 5   | 4M52W7D | —         | 0.351 |
| LTE Band 66 | QPSK  | 10  | 8M96G7D | -0.014648 | 0.468 |
| LTE Band 66 | 16QAM | 10  | 8M94W7D | —         | 0.375 |
| LTE Band 66 | QPSK  | 15  | 13M6G7D | —         | 0.429 |
| LTE Band 66 | 16QAM | 15  | 13M5W7D | —         | 0.347 |
| LTE Band 66 | QPSK  | 20  | 17M9G7D | —         | 0.445 |
| LTE Band 66 | 16QAM | 20  | 18M0W7D | —         | 0.349 |

| LTE Band             | Type of Modulation | Bandwidth (MHz) | Emission Designator | Frequency Tolerance (ppm) | Maximum ERP(W) |
|----------------------|--------------------|-----------------|---------------------|---------------------------|----------------|
| LTE Band 5           | QPSK               | 1.4             | 1M09G7D             | —                         | 0.167          |
| LTE Band 5           | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.134          |
| LTE Band 5           | QPSK               | 3               | 2M68G7D             | —                         | 0.155          |
| LTE Band 5           | 16QAM              | 3               | 2M67W7D             | —                         | 0.121          |
| LTE Band 5           | QPSK               | 5               | 4M50G7D             | —                         | 0.153          |
| LTE Band 5           | 16QAM              | 5               | 4M49W7D             | —                         | 0.124          |
| LTE Band 5           | QPSK               | 10              | 8M95G7D             | -0.025631                 | 0.160          |
| LTE Band 5           | 16QAM              | 10              | 8M95W7D             | —                         | 0.127          |
| LTE Band 12          | QPSK               | 1.4             | 1M09G7D             | —                         | 0.174          |
| LTE Band 12          | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.132          |
| LTE Band 12          | QPSK               | 3               | 2M68G7D             | —                         | 0.154          |
| LTE Band 12          | 16QAM              | 3               | 2M67W7D             | —                         | 0.123          |
| LTE Band 12          | QPSK               | 5               | 4M52G7D             | —                         | 0.157          |
| LTE Band 12          | 16QAM              | 5               | 4M52W7D             | —                         | 0.123          |
| LTE Band 12          | QPSK               | 10              | 8M93G7D             | -0.021074                 | 0.156          |
| LTE Band 12          | 16QAM              | 10              | 8M93W7D             | —                         | 0.125          |
| LTE Band 13          | QPSK               | 5               | 4M52G7D             | —                         | 0.236          |
| LTE Band 13          | 16QAM              | 5               | 4M52W7D             | —                         | 0.190          |
| LTE Band 13          | QPSK               | 10              | 8M96G7D             | -0.017506                 | 0.217          |
| LTE Band 13          | 16QAM              | 10              | 8M95W7D             | —                         | 0.172          |
| LTE Band 17          | QPSK               | 5               | 4M51G7D             | —                         | 0.151          |
| LTE Band 17          | 16QAM              | 5               | 4M51W7D             | —                         | 0.121          |
| LTE Band 17          | QPSK               | 10              | 8M94G7D             | -0.025310                 | 0.152          |
| LTE Band 17          | 16QAM              | 10              | 8M93W7D             | —                         | 0.123          |
| LTE Band 26(Part 22) | QPSK               | 1.4             | 1M09G7D             | —                         | 0.157          |
| LTE Band 26(Part 22) | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.117          |
| LTE Band 26(Part 22) | QPSK               | 3               | 2M68G7D             | —                         | 0.154          |
| LTE Band 26(Part 22) | 16QAM              | 3               | 2M67W7D             | —                         | 0.119          |
| LTE Band 26(Part 22) | QPSK               | 5               | 4M50G7D             | —                         | 0.154          |
| LTE Band 26(Part 22) | 16QAM              | 5               | 4M49W7D             | —                         | 0.123          |
| LTE Band 26(Part 22) | QPSK               | 10              | 8M95G7D             | -0.018458                 | 0.156          |
| LTE Band 26(Part 22) | 16QAM              | 10              | 8M94W7D             | —                         | 0.121          |
| LTE Band 26(Part 22) | QPSK               | 15              | 13M5G7D             | —                         | 0.152          |
| LTE Band 26(Part 22) | 16QAM              | 15              | 13M5W7D             | —                         | 0.122          |
| LTE Band 26(Part 90) | QPSK               | 1.4             | 1M09G7D             | —                         | 0.165          |
| LTE Band 26(Part 90) | 16QAM              | 1.4             | 1M10W7D             | —                         | 0.128          |
| LTE Band 26(Part 90) | QPSK               | 3               | 2M68G7D             | —                         | 0.161          |
| LTE Band 26(Part 90) | 16QAM              | 3               | 2M68W7D             | —                         | 0.127          |
| LTE Band 26(Part 90) | QPSK               | 5               | 4M50G7D             | —                         | 0.162          |





|                      |       |    |         |           |       |
|----------------------|-------|----|---------|-----------|-------|
| LTE Band 26(Part 90) | 16QAM | 5  | 4M49W7D | —         | 0.130 |
| LTE Band 26(Part 90) | QPSK  | 10 | 8M96G7D | -0.017167 | 0.160 |
| LTE Band 26(Part 90) | 16QAM | 10 | 8M96W7D | —         | 0.129 |
| LTE Band 71          | QPSK  | 5  | 4M53G7D | —         | 0.127 |
| LTE Band 71          | 16QAM | 5  | 4M53W7D | —         | 0.101 |
| LTE Band 71          | QPSK  | 10 | 8M99G7D | -0.020573 | 0.126 |
| LTE Band 71          | 16QAM | 10 | 8M97W7D | —         | 0.095 |
| LTE Band 71          | QPSK  | 15 | 13M6G7D | —         | 0.111 |
| LTE Band 71          | 16QAM | 15 | 13M6W7D | —         | 0.092 |
| LTE Band 71          | QPSK  | 20 | 17M9G7D | —         | 0.121 |
| LTE Band 71          | 16QAM | 20 | 17M9W7D | —         | 0.091 |

### 1.3. Test Standards and Results

The purpose of the report is to conduct testing according to the following FCC certification standards:

| 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                                                                                             |
| 5   | 47 CFR Part 90                                           | Private Land Mobile Radio Services                                                                                                         |
| 6   | KDB 971168 D01 Power Meas License Digital Systems v03r01 | Measurement Guidance For Certification of Licensed Digital Transmitters                                                                    |
| 7   | KDB 412172 D01 Determining ERP and EIRP v01r01           | Guidelines for Determining the Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) of an RF Transmitting Systems |
| 8   | ANSI/TIA-603-E-2016                                      | Land Mobile FM or PM Communications Equipment Measurement and Performance Standards                                                        |
| 9   | ANSI C63.26-2015                                         | American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services                                          |



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

| No. | FCC Rule                                                                          | Description                                                                                 | Limit                                  | Result |
|-----|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------|--------|
| 1   | 2.1046                                                                            | Conducted Output Power                                                                      | Reporting Only                         | PASS   |
| 2   | 22.913(d)<br>24.232 (d)<br>27.50 (d)(5)                                           | Peak to Average Radio                                                                       | < 13dB                                 | PASS   |
| 3   | 24.232 (c)                                                                        | Equivalent Isotropic Radiated Power<br>(Band 2/25)                                          | EIRP < 2W                              | PASS   |
|     | 22.913 (a)(5)                                                                     | Effective Radiated Power<br>(Band 5/26_Part 22)                                             | ERP < 7W                               | PASS   |
|     | 27.50 (c)(10)                                                                     | Effective Radiated Power<br>(Band 12/17/71)                                                 | ERP < 3W                               | PASS   |
|     | 27.50 (b)(10)                                                                     | Effective Radiated Power<br>(Band 13)                                                       | ERP < 3W                               | PASS   |
|     | 27.50 (d)(4)                                                                      | Equivalent Isotropic Radiated Power<br>(Band 4/66)                                          | EIRP < 1W                              | PASS   |
|     | 27.50 (h)(2)                                                                      | Equivalent Isotropic Radiated Power<br>(Band 7/41)                                          | EIRP < 2W                              | PASS   |
|     | 90.635 (b)                                                                        | Effective Radiated Power<br>(Band 26_Part 90)                                               | ERP < 100W                             | PASS   |
| 4   | 2.1049                                                                            | Occupied Bandwidth                                                                          | Reporting Only                         | PASS   |
| 5   | 2.1051<br>22.917 (a)<br>24.238 (a)                                                | Conducted Spurious Emission and<br>Conducted Band Edge<br>(Band 2/4/5/12/13/17/25/26/66/71) | < 43+10log <sub>10</sub><br>(P[watt])  | PASS   |
|     | 27.53 (c)<br>27.53 (g)<br>27.53 (h)<br>27.53 (m)(4)<br>27.53 (c)(f)<br>90.691 (a) | Conducted Spurious Emission and<br>Conducted Band Edge<br>(Band 7/41)                       | Refer to<br>27.53(m)(4)                | PASS   |
| 6   | 2.1053<br>22.917 (a)<br>24.238 (a)                                                | Radiated Spurious Emission<br>(Band 2/4/5/12/13/17/25/26/66/71)                             | < 43+10log <sub>10</sub><br>(P[Watts]) | PASS   |
|     | 27.53 (c)<br>27.53 (g)<br>27.53 (h)<br>27.53 (m)(4)<br>27.53 (c)(f)<br>90.691 (a) | Radiated Spurious Emission<br>(Band 7/41)                                                   | < 55+10log <sub>10</sub><br>(P[watt])  | PASS   |
| 7   | 2.1055<br>22.335                                                                  | Frequency Stability<br>(Band 5/26)                                                          | < ±2.5ppm                              | PASS   |



|  |                              |                                                          |                               |      |
|--|------------------------------|----------------------------------------------------------|-------------------------------|------|
|  | 24.235<br>27.54<br>90.213(a) | Frequency Stability<br>(Band 2/4/7/12/13/17/25/41/66/71) | Within the<br>Authorized Band | PASS |
|--|------------------------------|----------------------------------------------------------|-------------------------------|------|

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.

## 1.4. Test Configuration of Equipment Under Test

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

| Test Items                          | Band         | Bandwidth(MHz) |   |   |    |    |    | Modulation |       | RB Configuration |      |      | Test Channel |   |   |
|-------------------------------------|--------------|----------------|---|---|----|----|----|------------|-------|------------------|------|------|--------------|---|---|
|                                     |              | 1.4            | 3 | 5 | 10 | 15 | 20 | QPSK       | 16QAM | 1                | Half | Full | L            | M | H |
| Conducted Output Power and ERP/EIRP | 2/25         | ✓              | ✓ | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 4/66         | ✓              | ✓ | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 5/12         | ✓              | ✓ | ✓ | ✓  |    |    | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 7/41         |                |   | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 13/17        |                |   | ✓ | ✓  |    |    | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 26 (Part 22) | ✓              | ✓ | ✓ | ✓  | ✓  |    | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 26 (Part 90) | ✓              | ✓ | ✓ | ✓  |    |    | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
|                                     | 71           |                |   | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     | ✓                | ✓    | ✓    | ✓            | ✓ | ✓ |
| Peak-to-Average Ratio               | 2/25         |                |   |   |    |    | ✓  |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 4/66         |                |   |   |    |    | ✓  |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 5/12         |                |   |   | ✓  |    |    |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 7/41         |                |   |   |    |    | ✓  |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 13/17        |                |   |   | ✓  |    |    |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 26 (Part 22) |                |   |   | ✓  |    |    |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 26 (Part 90) |                |   | ✓ | ✓  |    |    |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
|                                     | 71           |                |   |   |    |    | ✓  |            | ✓     | ✓                |      | ✓    | ✓            | ✓ | ✓ |
| 99% OBW and 26dB EBW                | 2/25         | ✓              | ✓ | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 4/66         | ✓              | ✓ | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 5/12         | ✓              | ✓ | ✓ | ✓  |    |    | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 7/41         |                |   | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 13/17        |                |   | ✓ | ✓  |    |    | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 26 (Part 22) | ✓              | ✓ | ✓ | ✓  | ✓  |    | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 26 (Part 90) | ✓              | ✓ | ✓ | ✓  |    |    | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
|                                     | 71           |                |   | ✓ | ✓  | ✓  | ✓  | ✓          | ✓     |                  |      | ✓    |              | ✓ |   |
| Conducted Band Edge                 | 2/25         | ✓              | ✓ | ✓ | ✓  | ✓  | ✓  | ✓          |       | ✓                |      | ✓    | ✓            |   | ✓ |
|                                     | 4/66         | ✓              | ✓ | ✓ | ✓  | ✓  | ✓  | ✓          |       | ✓                |      | ✓    | ✓            |   | ✓ |
|                                     | 5/12         | ✓              | ✓ | ✓ | ✓  |    |    | ✓          |       | ✓                |      | ✓    | ✓            |   | ✓ |
|                                     | 7/41         |                |   | ✓ | ✓  | ✓  | ✓  | ✓          |       | ✓                |      | ✓    | ✓            |   | ✓ |
|                                     | 13/17        |                |   | ✓ | ✓  |    |    | ✓          |       | ✓                |      | ✓    | ✓            |   | ✓ |
|                                     | 26 (Part 22) | ✓              | ✓ | ✓ | ✓  | ✓  |    | ✓          |       | ✓                |      | ✓    | ✓            |   | ✓ |



|                                |                 |            |   |   |   |   |   |   |   |   |  |   |   |   |   |
|--------------------------------|-----------------|------------|---|---|---|---|---|---|---|---|--|---|---|---|---|
|                                | 26<br>(Part 90) | ✓          | ✓ | ✓ | ✓ |   |   | ✓ |   | ✓ |  | ✓ | ✓ |   | ✓ |
|                                | 71              |            |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ |   | ✓ |
| Conducted Spurious<br>Emission | 2/25            |            |   |   |   |   | ✓ | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 4/66            |            |   |   |   |   | ✓ | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 5/12            |            |   |   | ✓ |   |   | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 7/41            |            |   |   |   |   | ✓ | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 13/17           |            |   |   | ✓ |   |   | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 26<br>(Part 22) |            |   |   |   | ✓ |   | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 26<br>(Part 90) |            |   | ✓ | ✓ |   |   | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
|                                | 71              |            |   |   |   |   | ✓ | ✓ |   | ✓ |  |   | ✓ | ✓ | ✓ |
| Frequency Stability            | 2/25            |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 4/66            |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 5/12            |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 7/41            |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 13/17           |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 26<br>(Part 22) |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 26<br>(Part 90) |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
|                                | 71              |            |   |   | ✓ |   |   | ✓ |   |   |  | ✓ |   | ✓ |   |
| Radiated Spurious<br>Emission  | 2               | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 4               | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 5               | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 7               | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 12              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 13              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 17              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 25              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 26<br>(Part 22) | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 26<br>(Part 90) | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 41              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 66              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |
|                                | 71              | Worst case |   |   |   |   |   |   |   |   |  |   |   | ✓ |   |

Note 1: The mark “✓” means that this configuration is chosen for testing.

Note 2: The EUT performs radiated spurious emission tests from 30MHz to 10 times the fundamental signal under different RB configurations and modulation types. Only worst-case data is reported.



## 1.5. Laboratory Facilities

### FCC-Registration No.: CN1283

CCIC Southern Testing Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Designation Number: CN1283, valid time is until Jun. 30th, 2025.

### ISED Registration: 11185A

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A on Aug. 04, 2016, valid time is until Jun. 30th, 2025.

### CAB number: CN0064

### A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

## 1.6. Test Environment Conditions

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

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

## 2. 47 CFR Part 2 Requirements

### 2.1. Conducted Output Power and ERP/EIRP

#### 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).

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2/7/25/41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4/66.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5/26\_Part 22.

The ERP of mobile transmitters must not exceed 100 Watts for LTE Band 26\_Part 90.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12/13/17/71.

According to KDB 412172 D01 Determining ERP and EIRP v01r01.

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm;

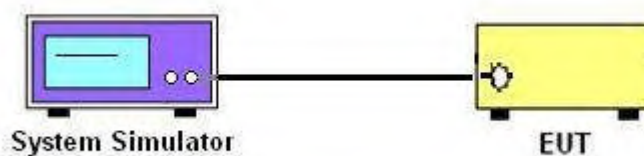
$G_T$  = gain of the transmitting antenna in dBi;

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB.

#### 2.1.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

#### 2.1.3. Test Setup



#### 2.1.4. Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.





### **2.1.5. Test Results of Conducted Output Power and ERP/EIRP**

Please refer to Appendix A for detail.

## 2.2. Peak-to-average power ratio (PAPR)

### 2.2.1. Requirement

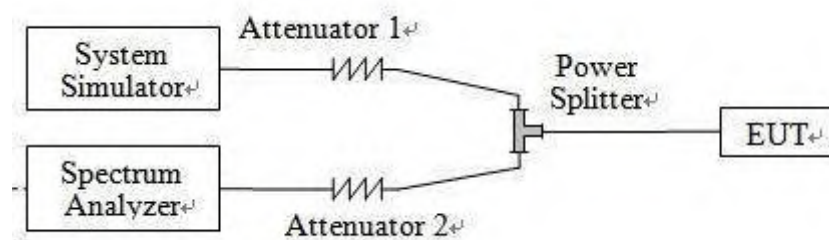
Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth.

In measuring transmissions in this band using an average power technique, the Peak-to-average power ratio (PAPR) of the transmission may not exceed 13 dB.

### 2.2.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

### 2.2.3. Test Description



### 2.2.4. Test Procedures

1. The testing follows the of KDB 971168 D01 v03r01 Section 5.7.2 and ANSI C63.26-2015 Section 5.2.3.4.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider, Path loss compensation is then performed on the spectrum analyzer and the system simulator respectively.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. Set resolution/measurement bandwidth  $\geq$  OBW or specified reference bandwidth.
5. Set the number of counts to a value that stabilizes the measured CCDF curve.
6. Set the EUT working in highest power level, measured and recorded the 0.1% as PAPR level.
7. Repeat step 3~6 at other frequency and modulations.



### **2.2.5. Test Results of Peak-to-average power ratio (PAPR)**

Please refer to Appendix A for detail.

## 2.3. 99% Occupied Bandwidth and 26dB Emission Bandwidth

### 2.3.1. Requirement

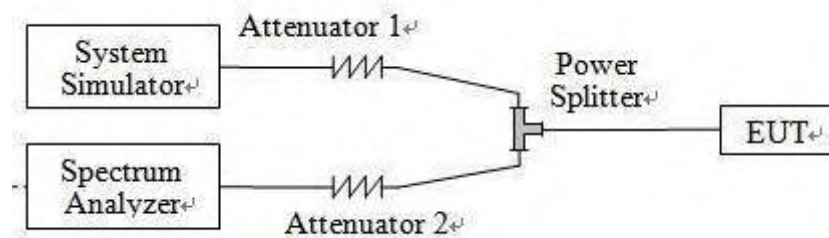
The Occupied Bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

### 2.3.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

### 2.3.3. Test Setup



### 2.3.4. Test Procedures

1. The testing follows the of KDB 971168 D01 v03r01 Section 4 and ANSI C63.26-2015 Section 5.4.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider, Path loss compensation is then performed on the spectrum analyzer and the system simulator respectively.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.
4. Set span to be approximately 1.5 to 5 times the OBW.
5. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW.
6. Set VBW  $\geq 3 \times$  RBW.
7. Set Detection mode = peak.
8. Set Trace mode = max hold.
9. Allow trace to stabilize.
10. Repeat step 3~9 at other frequency and modulations.



### **2.3.5. Test Result of 99% Occupied Bandwidth and 26dB Emission Bandwidth**

Please refer to Appendix A for detail.

## 2.4. Conducted Band Edge

### 2.4.1. Requirement

#### **For Band 2 & 25 [Part 24.238 (a) ]:**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

#### **For Band 4 & 66 [Part 27.53 (h)]:**

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

#### **For Band 5 & 26 [Part 22.917(a)]:**

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. In the spectrum below 1 GHz, instrumentation should employ a reference bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy, provided that the measured power is integrated over the full required reference bandwidth (i.e., 100 kHz or 1 percent of emission bandwidth, as specified).

#### **For Band 12 & 17 & 71 [Part 27.53 (g)]:**

For operations in the 698 - 746 MHz band, the FCC limit is  $43 + 10 \log_{10}(P[\text{Watts}])$  dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100kHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least 30kHz may be employed.

#### **For Band 7 & 41 [Part 27.53 (m)(4)]:**

For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

**For Band 26 [Part 90.691 (a)]:**

Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz. (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

**For Band 13 [Part 27.53 (c)]:**

For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;

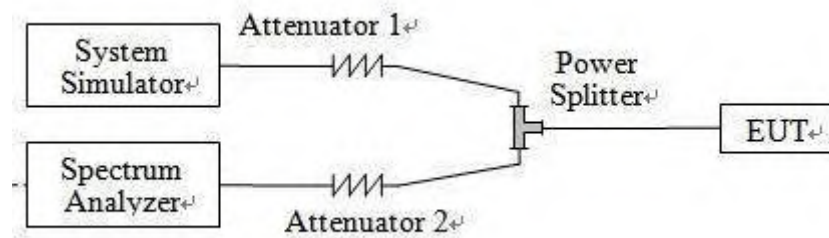
(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

**2.4.2. Measuring Instruments**

The measuring equipment is listed in the section 3 of this test report.

### 2.4.3. Test Setup



### 2.4.4. Test Procedures

1. The testing follows the of KDB 971168 D01 v03r01 Section 6 and ANSI C63.26-2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider, Path loss compensation is then performed on the spectrum analyzer and the system simulator respectively.
3. Span was set large enough so as to capture all out of band emissions near the Channel Edge.
4. Use  $RBW \geq 1\%$  EBW in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, and use  $RBW = 1$  MHz outside 1 MHz of the authorized frequency channel.
5. Set  $VBW \geq 3 \times RBW$
6. Set Detector = power averaging (rms).
7. Set the number of points in sweep  $\geq 2 \times \text{span} / RBW$ .
8. Set sweep trigger to "free run."
9. Set the Sweep time  $> (\text{number of points in sweep}) \times (\text{transmitter period})$  (i.e., the transmit on-time + the off-time).
10. Perform a trace average of at least 100 traces.
11. Repeat step 3~10 at other frequency and modulations.





#### **2.4.5. Test Result of Conducted Band Edge**

Please refer to Appendix A for detail.

## 2.5. Conducted Spurious Emission

### 2.5.1. Requirement

#### For Band 2 & 4 & 5 & 12 & 13 & 17 & 25 & 26 & 66 & 71:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

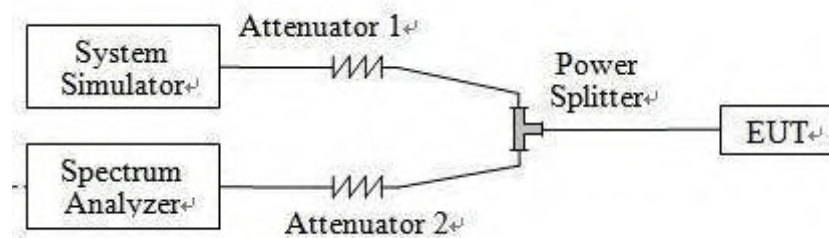
#### For Band 7 & 41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $55 + 10 \log (P)$  dB.

### 2.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

### 2.5.3. Test Setup



### 2.5.4. Test Procedures

1. The testing follows the of KDB 971168 D01 v03r01 Section 6 and ANSI C63.26-2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider, Path loss compensation is then performed on the spectrum analyzer and the system simulator respectively.
3. Set the spectrum analyzer start frequency to 9kHz and stop frequency to the tenth harmonic of the highest fundamental frequency.
4. Set RBW = 1kHz (9kHz~150kHz), 10kHz (150kHz~30MHz), 100kHz (30MHz~1GHz), 1MHz (Above 1 GHz), VBW  $\geq 3 \times$  RBW
5. Set Detector = RMS, Trace mode = Averaging.
6. For duty cycle  $\geq 98\%$ , set Sweep time = (number of points in sweep)  $\times$  (symbol period).
7. For duty cycle  $< 98\%$ , set Sweep time = (number of points in sweep)  $\times$  (transmitter period).
8. Identify and measure the highest spurious emission levels in each frequency range.
9. Compare the results with the corresponding limit in the applicable regulation.

10. Repeat step 3~9 at other frequency and modulations.

Note: For 9 kHz to 30MHz: the amplitude of spurious emissions is attenuated by more than 20dB below the permissible value, so we not provide the test result here.

#### **2.5.5. Test Result of Conducted Spurious Emission**

Please refer to Appendix A for detail.

## 2.6. Radiated Spurious Emission

### 2.6.1. Requirement

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E-2016.

#### For Band 2 & 4 & 5 & 12 & 13 & 17 & 25 & 26 & 66 & 71:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

#### For Band 7 & 41:

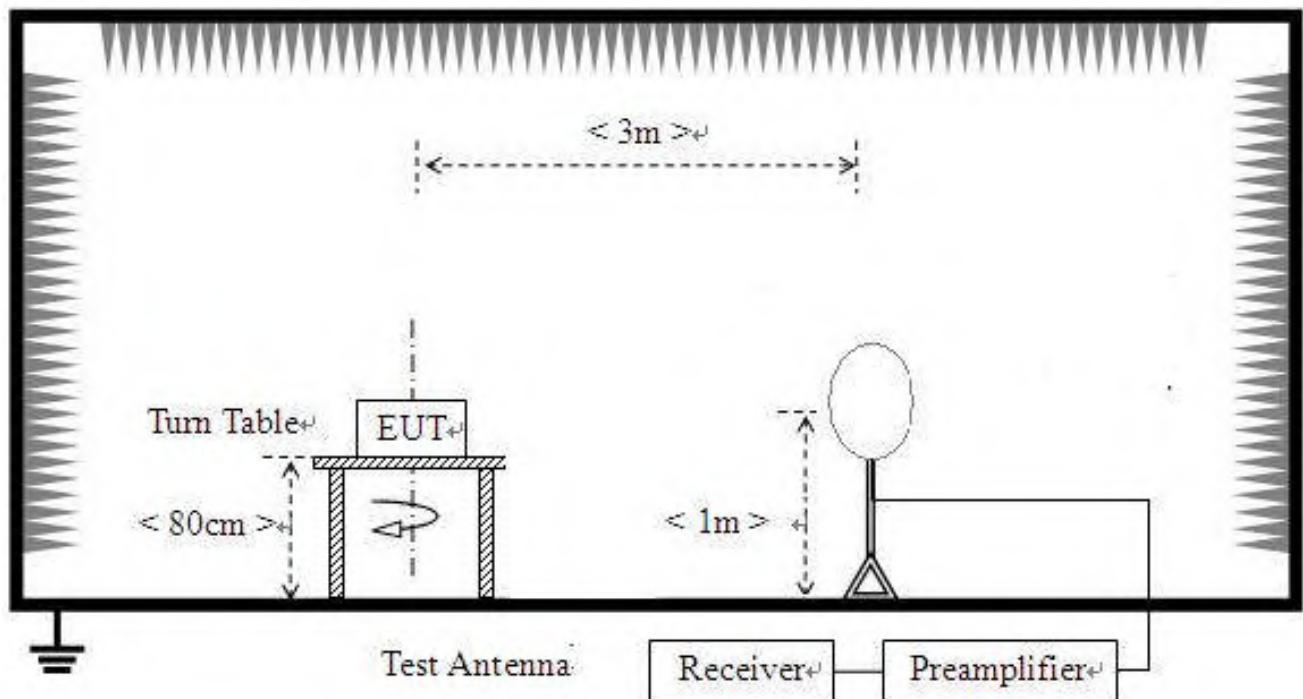
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $55 + 10 \log (P)$  dB.

### 2.6.2. Measuring Instruments

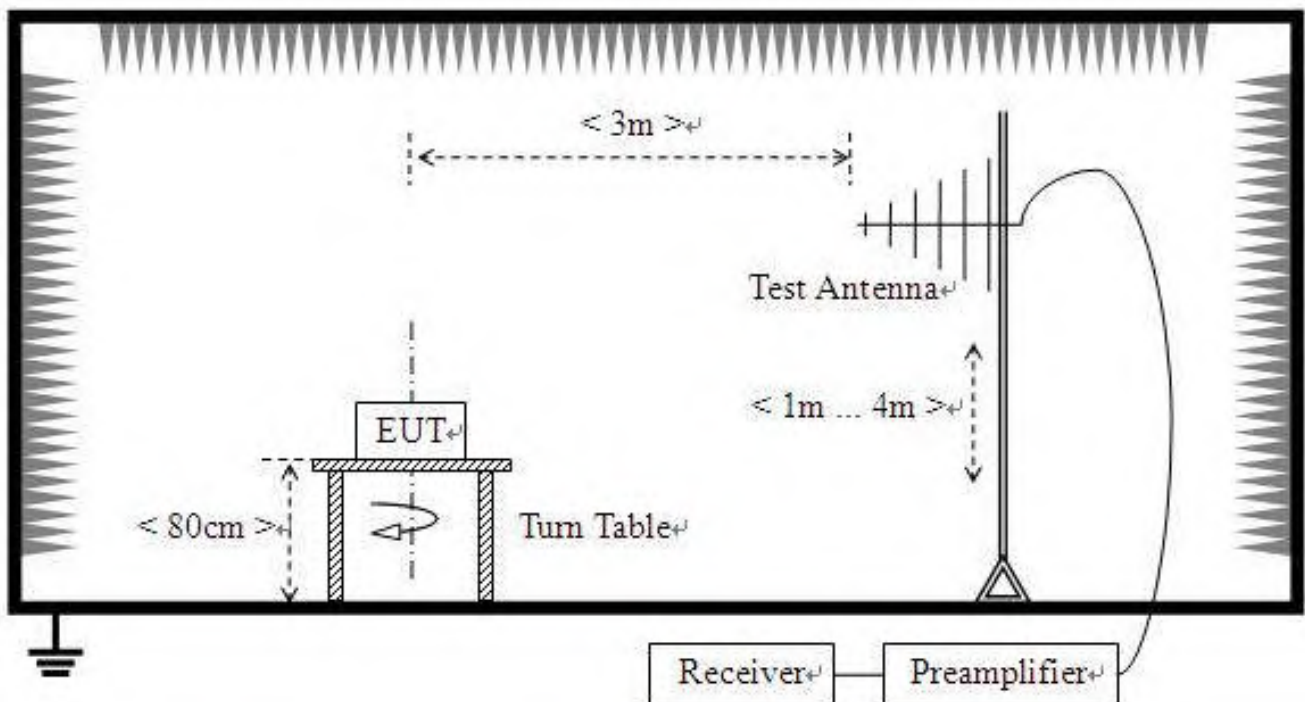
The measuring equipment is listed in the section 3 of this test report.

### 2.6.3. Test Setup

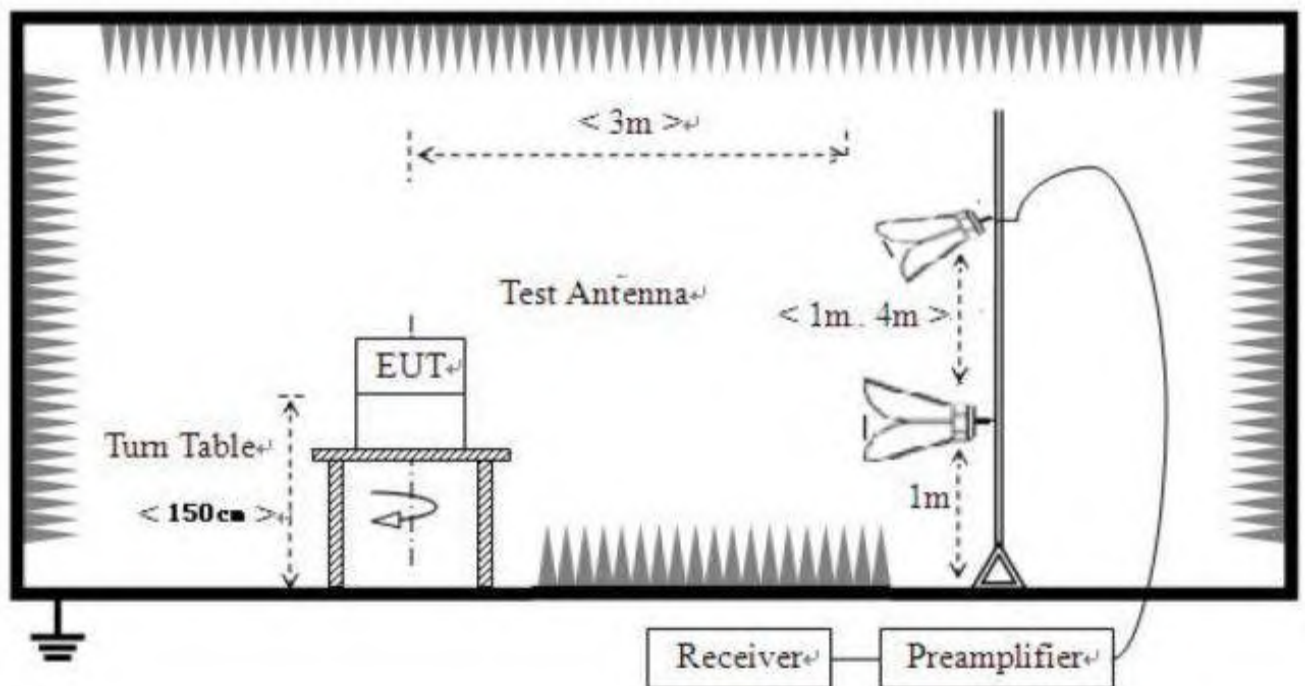
For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



#### 2.6.4. Test Procedures

1. The EUT was placed on a rotatable wooden table with 0.8 meter (for below 1GHz) / 1.5 meters (for above 1GHz) above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
11. All Spurious Emission tests were performed in X, Y, Z axis direction and low, middle, high channel. And only the worst axis test condition was recorded in this test report.
12. The spectrum is measured from 9 kHz to the 10<sup>th</sup> harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. The worst case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
13. The maximum RB configurations of the Radiated Spurious Emissions as RB Size full, RB Offset 0.

#### 2.6.5. Test Result of Radiated Spurious Emission

Note: 1. The emission levels of above 18GHz are lower than the limit 20dB and not show in test report.

Note: 2. Absolute Level = Reading Level + Factor.

| LTE Band 2 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|-----------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 59.76          | -92.14           | -72.81         | -13.00         | 59.81          | 19.33          | Horizontal |
| 2                                       | 362.82         | -95.58           | -67.05         | -13.00         | 54.05          | 28.53          | Horizontal |
| 3                                       | 506.43         | -101.67          | -69.06         | -13.00         | 56.06          | 32.61          | Horizontal |
| 4                                       | 4568.52        | -58.51           | -46.29         | -13.00         | 33.29          | 12.22          | Horizontal |
| 5                                       | 7661.89        | -60.29           | -40.87         | -13.00         | 27.87          | 19.42          | Horizontal |
| 6                                       | 11876.1        | -62.78           | -39.03         | -13.00         | 26.03          | 23.75          | Horizontal |
|                                         |                |                  |                |                |                |                |            |
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 62.02          | -91.75           | -71.46         | -13.00         | 58.46          | 20.29          | Vertical   |
| 2                                       | 104.07         | -90.43           | -66.37         | -13.00         | 53.37          | 24.06          | Vertical   |
| 3                                       | 362.82         | -94.48           | -67.67         | -13.00         | 54.67          | 26.81          | Vertical   |
| 4                                       | 2454.48        | -54.45           | -47.15         | -13.00         | 34.15          | 7.30           | Vertical   |
| 5                                       | 4800.77        | -59.61           | -44.87         | -13.00         | 31.87          | 14.74          | Vertical   |
| 6                                       | 11856.9        | -62.34           | -38.65         | -13.00         | 25.65          | 23.69          | Vertical   |

| LTE Band 4 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|-----------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 61.05          | -91.03           | -71.70         | -13.00         | 58.70          | 19.33          | Horizontal |
| 2                                       | 507.08         | -100.54          | -67.94         | -13.00         | 54.94          | 32.60          | Horizontal |
| 3                                       | 826.96         | -101.96          | -64.92         | -13.00         | 51.92          | 37.04          | Horizontal |
| 4                                       | 4881.29        | -59.26           | -44.51         | -13.00         | 31.51          | 14.75          | Horizontal |
| 5                                       | 7642.71        | -60.54           | -41.05         | -13.00         | 28.05          | 19.49          | Horizontal |
| 6                                       | 11051.6        | -61.72           | -38.93         | -13.00         | 25.93          | 22.79          | Horizontal |
|                                         |                |                  |                |                |                |                |            |
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 60.73          | -90.18           | -70.04         | -13.00         | 57.04          | 20.14          | Vertical   |
| 2                                       | 99.54          | -98.94           | -74.55         | -13.00         | 61.55          | 24.39          | Vertical   |
| 3                                       | 506.43         | -100.84          | -70.12         | -13.00         | 57.12          | 30.72          | Vertical   |
| 4                                       | 4892.96        | -59.70           | -44.96         | -13.00         | 31.96          | 14.74          | Vertical   |
| 5                                       | 7523.84        | -60.73           | -41.07         | -13.00         | 28.07          | 19.66          | Vertical   |
| 6                                       | 12313.2        | -62.13           | -39.42         | -13.00         | 26.42          | 22.71          | Vertical   |

| LTE Band 5 QPSK 10MHz BW Middle Channel |                |                  |                |                |                |                |            |
|-----------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 61.37          | -90.38           | -71.04         | -13.00         | 58.04          | 19.34          | Horizontal |
| 2                                       | 300.07         | -94.93           | -69.04         | -13.00         | 56.04          | 25.89          | Horizontal |
| 3                                       | 495.11         | -99.59           | -67.31         | -13.00         | 54.31          | 32.28          | Horizontal |
| 4                                       | 4792.60        | -59.78           | -45.15         | -13.00         | 32.15          | 14.63          | Horizontal |
| 5                                       | 7865.12        | -60.47           | -41.03         | -13.00         | 28.03          | 19.44          | Horizontal |
| 6                                       | 11895.3        | -62.23           | -38.43         | -13.00         | 25.43          | 23.80          | Horizontal |
|                                         |                |                  |                |                |                |                |            |
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 43.26          | -98.75           | -79.03         | -13.00         | 66.03          | 19.72          | Vertical   |
| 2                                       | 363.79         | -96.17           | -69.31         | -13.00         | 56.31          | 26.86          | Vertical   |
| 3                                       | 506.11         | -100.57          | -69.86         | -13.00         | 56.86          | 30.71          | Vertical   |
| 4                                       | 1898.30        | -52.36           | -48.53         | -13.00         | 35.53          | 3.83           | Vertical   |
| 5                                       | 7650.38        | -61.14           | -41.67         | -13.00         | 28.67          | 19.47          | Vertical   |
| 6                                       | 11983.4        | -60.88           | -38.23         | -13.00         | 25.23          | 22.65          | Vertical   |

| LTE Band 7 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|-----------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 60.73          | -90.37           | -71.04         | -25.00         | 46.04          | 19.33          | Horizontal |
| 2                                       | 104.07         | -84.03           | -64.68         | -25.00         | 39.68          | 19.35          | Horizontal |
| 3                                       | 504.81         | -100.54          | -67.92         | -25.00         | 42.92          | 32.62          | Horizontal |
| 4                                       | 4936.15        | -58.39           | -43.85         | -25.00         | 18.85          | 14.54          | Horizontal |
| 5                                       | 7404.97        | -59.69           | -40.00         | -25.00         | 15.00          | 19.69          | Horizontal |
| 6                                       | 13153.0        | -61.42           | -38.17         | -25.00         | 13.17          | 23.25          | Horizontal |
|                                         |                |                  |                |                |                |                |            |
| NO.                                     | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                       | 62.02          | -90.16           | -69.87         | -25.00         | 44.87          | 20.29          | Vertical   |
| 2                                       | 111.18         | -97.73           | -74.33         | -25.00         | 49.33          | 23.40          | Vertical   |
| 3                                       | 363.79         | -95.71           | -68.85         | -25.00         | 43.85          | 26.86          | Vertical   |
| 4                                       | 7577.53        | -60.71           | -41.07         | -25.00         | 16.07          | 19.64          | Vertical   |
| 5                                       | 12175.2        | -61.74           | -39.04         | -25.00         | 14.04          | 22.70          | Vertical   |
| 6                                       | 17348.1        | -64.03           | -34.96         | -25.00         | 9.96           | 29.07          | Vertical   |



| LTE Band 12 QPSK 10MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.82          | -95.26           | -75.95         | -13.00         | 62.95          | 19.31          | Horizontal |
| 2                                        | 115.71         | -95.80           | -76.01         | -13.00         | 63.01          | 19.79          | Horizontal |
| 3                                        | 511.60         | -105.40          | -72.86         | -13.00         | 59.86          | 32.54          | Horizontal |
| 4                                        | 7550.68        | -60.56           | -40.91         | -13.00         | 27.91          | 19.65          | Horizontal |
| 5                                        | 11101.5        | -61.47           | -38.58         | -13.00         | 25.58          | 22.89          | Horizontal |
| 6                                        | 17252.2        | -64.86           | -36.33         | -13.00         | 23.33          | 28.53          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.49          | -93.51           | -73.77         | -13.00         | 60.77          | 19.74          | Vertical   |
| 2                                        | 73.99          | -91.49           | -69.93         | -13.00         | 56.93          | 21.56          | Vertical   |
| 3                                        | 239.91         | -99.15           | -75.62         | -13.00         | 62.62          | 23.53          | Vertical   |
| 4                                        | 1850.95        | -56.56           | -53.03         | -13.00         | 40.03          | 3.53           | Vertical   |
| 5                                        | 5386.63        | -58.85           | -44.95         | -13.00         | 31.95          | 13.90          | Vertical   |
| 6                                        | 10921.3        | -61.85           | -38.85         | -13.00         | 25.85          | 23.00          | Vertical   |

| LTE Band 13 QPSK 10MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.82          | -95.70           | -76.39         | -13.00         | 63.39          | 19.31          | Horizontal |
| 2                                        | 114.09         | -93.62           | -73.89         | -13.00         | 60.89          | 19.73          | Horizontal |
| 3                                        | 337.59         | -103.90          | -75.61         | -13.00         | 62.61          | 28.29          | Horizontal |
| 4                                        | 2462.49        | -50.73           | -43.38         | -13.00         | 30.38          | 7.35           | Horizontal |
| 5                                        | 7508.50        | -60.51           | -40.84         | -13.00         | 27.84          | 19.67          | Horizontal |
| 6                                        | 14932.3        | -62.52           | -38.90         | -13.00         | 25.90          | 23.62          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 31.94          | -99.56           | -78.29         | -13.00         | 65.29          | 21.27          | Vertical   |
| 2                                        | 70.43          | -97.14           | -75.89         | -13.00         | 62.89          | 21.25          | Vertical   |
| 3                                        | 108.92         | -99.37           | -75.76         | -13.00         | 62.76          | 23.61          | Vertical   |
| 4                                        | 2459.15        | -55.50           | -48.18         | -13.00         | 35.18          | 7.32           | Vertical   |
| 5                                        | 7481.66        | -61.00           | -41.33         | -13.00         | 28.33          | 19.67          | Vertical   |
| 6                                        | 13735.9        | -61.85           | -37.94         | -13.00         | 24.94          | 23.91          | Vertical   |

| LTE Band 17 QPSK 10MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 56.52          | -96.17           | -76.87         | -13.00         | 63.87          | 19.30          | Horizontal |
| 2                                        | 93.07          | -91.21           | -72.00         | -13.00         | 59.00          | 19.21          | Horizontal |
| 3                                        | 368.64         | -106.75          | -78.46         | -13.00         | 65.46          | 28.29          | Horizontal |
| 4                                        | 2524.51        | -57.74           | -50.04         | -13.00         | 37.04          | 7.70           | Horizontal |
| 5                                        | 5103.03        | -59.74           | -45.13         | -13.00         | 32.13          | 14.61          | Horizontal |
| 6                                        | 11201.2        | -60.93           | -38.66         | -13.00         | 25.66          | 22.27          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.82          | -95.57           | -75.78         | -13.00         | 62.78          | 19.79          | Vertical   |
| 2                                        | 114.09         | -94.11           | -70.95         | -13.00         | 57.95          | 23.16          | Vertical   |
| 3                                        | 239.91         | -98.04           | -74.51         | -13.00         | 61.51          | 23.53          | Vertical   |
| 4                                        | 5322.44        | -59.86           | -46.00         | -13.00         | 33.00          | 13.86          | Vertical   |
| 5                                        | 11051.6        | -61.65           | -38.86         | -13.00         | 25.86          | 22.79          | Vertical   |
| 6                                        | 13682.2        | -62.44           | -38.60         | -13.00         | 25.60          | 23.84          | Vertical   |

| LTE Band 25 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.82          | -96.05           | -76.74         | -13.00         | 63.74          | 19.31          | Horizontal |
| 2                                        | 93.07          | -91.31           | -72.10         | -13.00         | 59.10          | 19.21          | Horizontal |
| 3                                        | 363.14         | -103.44          | -74.92         | -13.00         | 61.92          | 28.52          | Horizontal |
| 4                                        | 1882.96        | -63.66           | -59.93         | -13.00         | 46.93          | 3.73           | Horizontal |
| 5                                        | 11147.5        | -61.19           | -38.59         | -13.00         | 25.59          | 22.60          | Horizontal |
| 6                                        | 14380.1        | -63.48           | -39.06         | -13.00         | 26.06          | 24.42          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.82          | -92.94           | -73.15         | -13.00         | 60.15          | 19.79          | Vertical   |
| 2                                        | 95.98          | -97.64           | -73.66         | -13.00         | 60.66          | 23.98          | Vertical   |
| 3                                        | 239.91         | -97.40           | -73.87         | -13.00         | 60.87          | 23.53          | Vertical   |
| 4                                        | 1250.75        | -57.86           | -58.39         | -13.00         | 45.39          | -0.53          | Vertical   |
| 5                                        | 4853.28        | -59.91           | -45.17         | -13.00         | 32.17          | 14.74          | Vertical   |
| 6                                        | 10587.7        | -61.31           | -38.64         | -13.00         | 25.64          | 22.67          | Vertical   |

| LTE Band 26(Part 22) QPSK 15MHz BW Middle Channel |                |                  |                |                |                |                |            |
|---------------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                               | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                                 | 30.32          | -100.91          | -76.99         | -13.00         | 63.99          | 23.92          | Horizontal |
| 2                                                 | 105.04         | -98.13           | -78.74         | -13.00         | 65.74          | 19.39          | Horizontal |
| 3                                                 | 239.91         | -98.93           | -77.02         | -13.00         | 64.02          | 21.91          | Horizontal |
| 4                                                 | 2079.03        | -58.38           | -53.04         | -13.00         | 40.04          | 5.34           | Horizontal |
| 5                                                 | 5026.01        | -59.19           | -44.89         | -13.00         | 31.89          | 14.30          | Horizontal |
| 6                                                 | 12819.4        | -61.95           | -38.82         | -13.00         | 25.82          | 23.13          | Horizontal |
|                                                   |                |                  |                |                |                |                |            |
| NO.                                               | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                                 | 58.79          | -96.58           | -76.67         | -13.00         | 63.67          | 19.91          | Vertical   |
| 2                                                 | 70.11          | -94.18           | -72.96         | -13.00         | 59.96          | 21.22          | Vertical   |
| 3                                                 | 104.39         | -98.04           | -74.01         | -13.00         | 61.01          | 24.03          | Vertical   |
| 4                                                 | 2033.01        | -60.27           | -55.04         | -13.00         | 42.04          | 5.23           | Vertical   |
| 5                                                 | 4804.27        | -59.57           | -44.84         | -13.00         | 31.84          | 14.73          | Vertical   |
| 6                                                 | 12811.7        | -61.38           | -38.28         | -13.00         | 25.28          | 23.10          | Vertical   |

| LTE Band 26(Part 90) QPSK 10MHz BW Middle Channel |                |                  |                |                |                |                |            |
|---------------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                               | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                                 | 31.94          | -98.87           | -75.34         | -13.00         | 62.34          | 23.53          | Horizontal |
| 2                                                 | 57.49          | -94.61           | -75.31         | -13.00         | 62.31          | 19.30          | Horizontal |
| 3                                                 | 362.82         | -103.07          | -74.54         | -13.00         | 61.54          | 28.53          | Horizontal |
| 4                                                 | 2980.66        | -58.95           | -48.62         | -13.00         | 35.62          | 10.33          | Horizontal |
| 5                                                 | 4797.27        | -59.79           | -45.10         | -13.00         | 32.10          | 14.69          | Horizontal |
| 6                                                 | 12677.5        | -62.16           | -39.16         | -13.00         | 26.16          | 23.00          | Horizontal |
|                                                   |                |                  |                |                |                |                |            |
| NO.                                               | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                                 | 37.12          | -96.36           | -75.81         | -13.00         | 62.81          | 20.55          | Vertical   |
| 2                                                 | 114.74         | -98.05           | -74.95         | -13.00         | 61.95          | 23.10          | Vertical   |
| 3                                                 | 282.28         | -104.45          | -79.52         | -13.00         | 66.52          | 24.93          | Vertical   |
| 4                                                 | 1788.26        | -58.39           | -55.28         | -13.00         | 42.28          | 3.11           | Vertical   |
| 5                                                 | 7286.10        | -60.39           | -41.62         | -13.00         | 28.62          | 18.77          | Vertical   |
| 6                                                 | 11910.6        | -61.50           | -37.84         | -13.00         | 24.84          | 23.66          | Vertical   |

| LTE Band 41 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 60.57          | -90.67           | -71.33         | -25.00         | 46.33          | 19.34          | Horizontal |
| 2                                        | 81.92          | -98.65           | -79.53         | -25.00         | 54.53          | 19.12          | Horizontal |
| 3                                        | 506.02         | -101.54          | -68.93         | -25.00         | 43.93          | 32.61          | Horizontal |
| 4                                        | 2459.89        | -48.40           | -42.09         | -25.00         | 17.09          | 6.31           | Horizontal |
| 5                                        | 7169.43        | -60.37           | -41.62         | -25.00         | 16.62          | 18.75          | Horizontal |
| 6                                        | 12223.5        | -61.63           | -38.87         | -25.00         | 13.87          | 22.76          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 61.06          | -89.10           | -68.92         | -25.00         | 43.92          | 20.18          | Vertical   |
| 2                                        | 104.24         | -86.60           | -62.56         | -25.00         | 37.56          | 24.04          | Vertical   |
| 3                                        | 362.88         | -94.86           | -68.04         | -25.00         | 43.04          | 26.82          | Vertical   |
| 4                                        | 4904.38        | -59.75           | -45.03         | -25.00         | 20.03          | 14.72          | Vertical   |
| 5                                        | 8878.68        | -60.49           | -41.25         | -25.00         | 16.25          | 19.24          | Vertical   |
| 6                                        | 14277.8        | -63.67           | -39.02         | -25.00         | 14.02          | 24.65          | Vertical   |

| LTE Band 66 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 31.94          | -100.13          | -76.60         | -13.00         | 63.60          | 23.53          | Horizontal |
| 2                                        | 70.11          | -95.64           | -76.28         | -13.00         | 63.28          | 19.36          | Horizontal |
| 3                                        | 363.14         | -103.77          | -75.25         | -13.00         | 62.25          | 28.52          | Horizontal |
| 4                                        | 4869.62        | -59.96           | -45.21         | -13.00         | 32.21          | 14.75          | Horizontal |
| 5                                        | 7508.50        | -60.70           | -41.03         | -13.00         | 28.03          | 19.67          | Horizontal |
| 6                                        | 12677.5        | -62.41           | -39.41         | -13.00         | 26.41          | 23.00          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 59.43          | -98.35           | -78.36         | -13.00         | 65.36          | 19.99          | Vertical   |
| 2                                        | 71.40          | -95.88           | -74.54         | -13.00         | 61.54          | 21.34          | Vertical   |
| 3                                        | 111.83         | -94.93           | -71.58         | -13.00         | 58.58          | 23.35          | Vertical   |
| 4                                        | 4882.46        | -59.56           | -44.82         | -13.00         | 31.82          | 14.74          | Vertical   |
| 5                                        | 7523.84        | -60.47           | -40.81         | -13.00         | 27.81          | 19.66          | Vertical   |
| 6                                        | 13172.2        | -62.65           | -39.38         | -13.00         | 26.38          | 23.27          | Vertical   |



| LTE Band 71 QPSK 20MHz BW Middle Channel |                |                  |                |                |                |                |            |
|------------------------------------------|----------------|------------------|----------------|----------------|----------------|----------------|------------|
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 57.82          | -95.38           | -76.07         | -13.00         | 63.07          | 19.31          | Horizontal |
| 2                                        | 114.09         | -93.84           | -74.11         | -13.00         | 61.11          | 19.73          | Horizontal |
| 3                                        | 319.80         | -101.98          | -74.83         | -13.00         | 61.83          | 27.15          | Horizontal |
| 4                                        | 2809.94        | -57.68           | -48.47         | -13.00         | 35.47          | 9.21           | Horizontal |
| 5                                        | 7600.53        | -61.21           | -41.59         | -13.00         | 28.59          | 19.62          | Horizontal |
| 6                                        | 11040.1        | -61.50           | -38.73         | -13.00         | 25.73          | 22.77          | Horizontal |
|                                          |                |                  |                |                |                |                |            |
| NO.                                      | Freq.<br>[MHz] | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Factor<br>[dB] | Polarity   |
| 1                                        | 60.40          | -97.77           | -77.67         | -13.00         | 64.67          | 20.10          | Vertical   |
| 2                                        | 70.11          | -95.23           | -74.01         | -13.00         | 61.01          | 21.22          | Vertical   |
| 3                                        | 239.91         | -98.71           | -75.18         | -13.00         | 62.18          | 23.53          | Vertical   |
| 4                                        | 4868.46        | -59.50           | -44.76         | -13.00         | 31.76          | 14.74          | Vertical   |
| 5                                        | 7531.51        | -60.36           | -40.71         | -13.00         | 27.71          | 19.65          | Vertical   |
| 6                                        | 12704.4        | -62.04           | -39.03         | -13.00         | 26.03          | 23.01          | Vertical   |

## 2.7. Frequency Stability

### 2.7.1. Requirement

Frequency stability is a measure of frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at an appropriate reference temperature and the rated supply voltage.

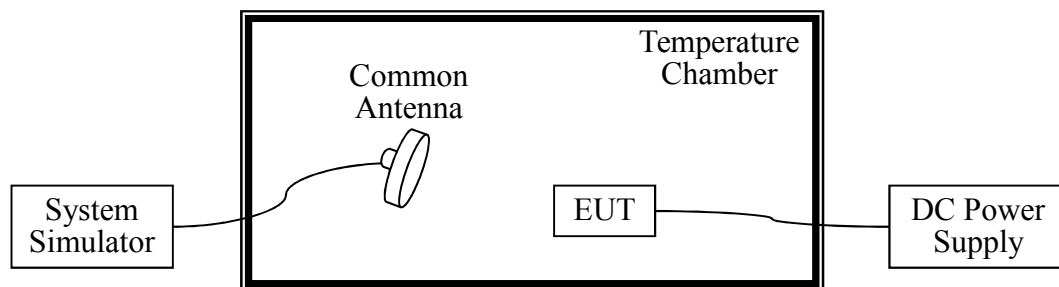
For licensed devices, the following measurement conditions apply:

- at the temperatures of  $-30^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$ ),  $+20^{\circ}\text{C}$  ( $+68^{\circ}\text{F}$ ) and  $+50^{\circ}\text{C}$  ( $+122^{\circ}\text{F}$ ), and at the manufacturer's rated supply voltage.
- at the temperature of  $+20^{\circ}\text{C}$  ( $+68^{\circ}\text{F}$ ) and at  $\pm 15\%$  of the manufacturer's rated supply voltage.

### 2.7.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

### 2.7.3. Test Setup



### 2.7.4. Test Procedures

- The EUT was set up in the thermal chamber and connected with the system simulator.
- With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
- With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.
- The nominal, highest and lowest extreme voltages were tested, which are specified by the applicant; the normal temperature here used is  $20^{\circ}\text{C}$ .
- The variation in frequency was measured for the worst case.



### **2.7.5. Test Result of Frequency Stability**

Please refer to Appendix A for detail



### 3. List of measuring equipment

| Item | Test Equipment                           | Manufacturer  | Model No.                 | Serial No. | Cal Date   | Due Date   |
|------|------------------------------------------|---------------|---------------------------|------------|------------|------------|
| 1    | EMI Test Receiver                        | ROHDE&SCHWARZ | ESW26                     | A180502935 | 2024.05.23 | 2025.05.22 |
| 2    | 5M Anechoic Chamber                      | Albatross     | SAC-5MAC<br>12.8x6.8x6.4m | A0304210   | 2022.06.09 | 2026.06.08 |
| 3    | Loop Antenna                             | Schwarz beck  | HFH2-Z2                   | A0304220   | 2022.05.02 | 2025.05.01 |
| 4    | Broadband antenna<br>(30MHz~1GHz)        | R&S           | HL562                     | A0304224   | 2023.06.08 | 2026.06.07 |
| 5    | EMI Horn Ant.<br>(1-18G)                 | ETC           | MCTD-1209                 | A150402241 | 2023.05.16 | 2026.05.15 |
| 6    | Horn antenna<br>(18GHz~26.5GHz)          | AR            | AT4510                    | A0804450   | 2023.06.01 | 2026.05.31 |
| 7    | Amplifier 30M~1GHz                       | MILMEGA       | 80RF1000-1000             | A140101634 | 2023.11.27 | 2024.11.26 |
| 8    | Amplifier 1G~18GHz                       | MILMEGA       | AS0104R-800/400           | A160302517 | 2024.05.25 | 2025.05.24 |
| 9    | Spectrum Analyzer                        | KEYSIGHT      | N9030A                    | A160702554 | 2024.01.18 | 2025.01.17 |
| 10   | Test Receiver                            | R&S           | ESIB7                     | A0501375   | 2024.02.28 | 2025.02.27 |
| 11   | Broadband Ant.                           | ETC           | MCTD 2786                 | A150402240 | 2023.05.22 | 2026.05.21 |
| 12   | 3M Anechoic Chamber                      | Albatross     | SAC-3MAC<br>9*6*6m        | A0412375   | 2024.02.27 | 2027.02.26 |
| 13   | Constant Temperature<br>Humidity Chamber | ESPEC         | SU-642                    | A150802409 | 2024.02.22 | 2025.02.21 |
| 14   | Wideband Radio<br>Communication tester   | R&S           | CMW500                    | A130101034 | 2024.06.18 | 2025.06.17 |
| 15   | Wideband Radio<br>Communication tester   | R&S           | CMW500                    | A150802214 | 2024.03.27 | 2025.03.26 |
| 16   | Power Supply                             | R&S           | WYJ-60100                 | A141102031 | 2023.07.12 | 2026.07.11 |



#### 4. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013. All the measurement uncertainty value were shown with a coverage  $K=2$  to indicate 95% level of confidence . The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

##### Uncertainty of Conducted Emission Measurement (150kHz~30MHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence<br>of 95%( $U=2U_c(y)$ ) | 2.8dB |
|--------------------------------------------------------------------------|-------|

##### Uncertainty of Radiated Emission Measurement (9kHz~30MHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence<br>of 95%( $U=2U_c(y)$ ) | 3.5dB |
|--------------------------------------------------------------------------|-------|

##### Uncertainty of Radiated Emission Measurement (30MHz~1GHz)

|                                                                          |        |
|--------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a level of confidence<br>of 95%( $U=2U_c(y)$ ) | 3.91dB |
|--------------------------------------------------------------------------|--------|

##### Uncertainty of Radiated Emission Measurement (1GHz~18GHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence<br>of 95%( $U=2U_c(y)$ ) | 4.5dB |
|--------------------------------------------------------------------------|-------|

##### Uncertainty of Radiated Emission Measurement (18GHz~40GHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence<br>of 95%( $U=2U_c(y)$ ) | 4.9dB |
|--------------------------------------------------------------------------|-------|

##### Uncertainty of RF Conducted Measurement (9kHz~40GHz)

|                                                                          |       |
|--------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a level of confidence<br>of 95%( $U=2U_c(y)$ ) | 1.2dB |
|--------------------------------------------------------------------------|-------|

**APPENDIX A****Conducted Output Power and ERP/EIRP****Test Result and Data**

| LTE Band 2 - 1.4MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 18607               | 18900     | 19193     |                 |                 |                  |
|                               |         |           | 1850.7MHz           | 1880.0MHz | 1909.3MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.33               | 22.63     | 22.43     | 1.87            | 25.33           | 33.00            |
|                               | 1       | 2         | 23.34               | 22.68     | 22.62     |                 |                 |                  |
|                               | 1       | 5         | 23.35               | 22.64     | 22.41     |                 |                 |                  |
|                               | 3       | 0         | 23.46               | 22.70     | 22.50     |                 |                 |                  |
|                               | 3       | 1         | 23.45               | 22.73     | 22.46     |                 |                 |                  |
|                               | 3       | 2         | 23.00               | 22.74     | 22.47     |                 |                 |                  |
|                               | 6       | 0         | 21.94               | 21.72     | 21.54     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.27               | 21.45     | 21.32     | 1.87            | 24.21           | 33.00            |
|                               | 1       | 2         | 22.24               | 21.60     | 21.37     |                 |                 |                  |
|                               | 1       | 5         | 22.25               | 21.41     | 21.31     |                 |                 |                  |
|                               | 3       | 0         | 22.34               | 21.48     | 21.28     |                 |                 |                  |
|                               | 3       | 1         | 22.33               | 21.49     | 21.27     |                 |                 |                  |
|                               | 3       | 2         | 21.82               | 21.48     | 21.26     |                 |                 |                  |
|                               | 6       | 0         | 20.83               | 20.71     | 20.50     |                 |                 |                  |
| LTE Band 2 - 3MHz Bandwidth   |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 18615               | 18900     | 19185     |                 |                 |                  |
|                               |         |           | 1851.5MHz           | 1880.0MHz | 1908.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.59               | 23.36     | 22.67     | 1.87            | 25.54           | 33.00            |
|                               | 1       | 8         | 23.65               | 22.95     | 22.66     |                 |                 |                  |
|                               | 1       | 14        | 23.67               | 22.93     | 22.69     |                 |                 |                  |
|                               | 8       | 0         | 22.58               | 21.91     | 21.74     |                 |                 |                  |
|                               | 8       | 4         | 22.60               | 21.86     | 21.71     |                 |                 |                  |
|                               | 8       | 7         | 22.67               | 21.87     | 21.72     |                 |                 |                  |
|                               | 15      | 0         | 22.62               | 21.87     | 21.69     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.70               | 21.75     | 21.70     | 1.87            | 24.66           | 33.00            |
|                               | 1       | 8         | 22.68               | 21.77     | 21.68     |                 |                 |                  |
|                               | 1       | 14        | 22.79               | 21.75     | 21.72     |                 |                 |                  |
|                               | 8       | 0         | 21.65               | 20.84     | 20.72     |                 |                 |                  |
|                               | 8       | 4         | 21.66               | 20.88     | 20.67     |                 |                 |                  |
|                               | 8       | 7         | 21.67               | 20.86     | 20.73     |                 |                 |                  |
|                               | 15      | 0         | 21.63               | 20.80     | 20.69     |                 |                 |                  |



| LTE Band 2 - 5MHz Bandwidth  |         |           |                     |           |           |                 |                 |                  |
|------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 18625               | 18900     | 19175     |                 |                 |                  |
|                              |         |           | 1852.5MHz           | 1880.0MHz | 1907.5MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 23.20               | 22.79     | 22.56     | 1.87            | 25.21           | 33.00            |
|                              | 1       | 12        | 23.34               | 22.91     | 22.69     |                 |                 |                  |
|                              | 1       | 24        | 23.18               | 22.81     | 22.59     |                 |                 |                  |
|                              | 12      | 0         | 22.20               | 21.89     | 21.58     |                 |                 |                  |
|                              | 12      | 7         | 22.25               | 21.90     | 21.59     |                 |                 |                  |
|                              | 12      | 13        | 22.15               | 21.84     | 21.58     |                 |                 |                  |
|                              | 25      | 0         | 22.21               | 21.83     | 21.55     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 22.08               | 21.88     | 21.52     | 1.87            | 24.14           | 33.00            |
|                              | 1       | 12        | 22.27               | 21.94     | 21.62     |                 |                 |                  |
|                              | 1       | 24        | 22.11               | 21.87     | 21.50     |                 |                 |                  |
|                              | 12      | 0         | 21.19               | 20.87     | 20.55     |                 |                 |                  |
|                              | 12      | 7         | 21.13               | 20.87     | 20.54     |                 |                 |                  |
|                              | 12      | 13        | 21.05               | 20.86     | 20.56     |                 |                 |                  |
|                              | 25      | 0         | 21.21               | 20.83     | 20.62     |                 |                 |                  |
| LTE Band 2 - 10MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 18650               | 18900     | 19150     |                 |                 |                  |
|                              |         |           | 1855.0MHz           | 1880.0MHz | 1905.0MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 23.07               | 22.88     | 22.60     | 1.87            | 25.13           | 33.00            |
|                              | 1       | 24        | 23.26               | 22.94     | 22.74     |                 |                 |                  |
|                              | 1       | 49        | 23.14               | 22.88     | 22.55     |                 |                 |                  |
|                              | 25      | 0         | 22.24               | 21.89     | 21.64     |                 |                 |                  |
|                              | 25      | 24        | 22.23               | 21.90     | 21.64     |                 |                 |                  |
|                              | 25      | 49        | 22.18               | 21.87     | 21.59     |                 |                 |                  |
|                              | 50      | 0         | 22.15               | 21.87     | 21.61     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 22.13               | 21.74     | 21.65     | 1.87            | 24.17           | 33.00            |
|                              | 1       | 24        | 22.30               | 21.85     | 21.66     |                 |                 |                  |
|                              | 1       | 49        | 22.22               | 21.71     | 21.60     |                 |                 |                  |
|                              | 25      | 0         | 21.20               | 20.89     | 20.62     |                 |                 |                  |
|                              | 25      | 24        | 21.24               | 20.89     | 20.59     |                 |                 |                  |
|                              | 25      | 49        | 21.19               | 20.87     | 20.57     |                 |                 |                  |
|                              | 50      | 0         | 21.21               | 20.84     | 20.58     |                 |                 |                  |



| LTE Band 2 - 15MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 18675               | 18900     | 19125     |                 |                 |                  |
|                              |         |           | 1857.5MHz           | 1880.0MHz | 1902.5MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.98               | 22.69     | 22.63     | 1.87            | 25.01           | 33.00            |
|                              | 1       | 38        | 23.14               | 22.69     | 22.58     |                 |                 |                  |
|                              | 1       | 74        | 23.01               | 22.69     | 22.43     |                 |                 |                  |
|                              | 38      | 0         | 22.15               | 21.81     | 21.66     |                 |                 |                  |
|                              | 38      | 18        | 22.17               | 21.83     | 21.67     |                 |                 |                  |
|                              | 38      | 37        | 22.16               | 21.82     | 21.66     |                 |                 |                  |
|                              | 75      | 0         | 22.19               | 21.84     | 21.66     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.99               | 21.83     | 21.65     | 1.87            | 24.05           | 33.00            |
|                              | 1       | 38        | 22.11               | 21.90     | 21.58     |                 |                 |                  |
|                              | 1       | 74        | 22.01               | 21.88     | 21.49     |                 |                 |                  |
|                              | 38      | 0         | 22.14               | 21.85     | 21.62     |                 |                 |                  |
|                              | 38      | 18        | 22.18               | 21.89     | 21.67     |                 |                 |                  |
|                              | 38      | 37        | 22.16               | 21.87     | 21.67     |                 |                 |                  |
|                              | 75      | 0         | 21.10               | 20.82     | 20.55     |                 |                 |                  |
| LTE Band 2 - 20MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 18700               | 18900     | 19100     |                 |                 |                  |
|                              |         |           | 1860.0MHz           | 1880.0MHz | 1900.0MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.89               | 22.76     | 22.70     | 1.87            | 25.07           | 33.00            |
|                              | 1       | 49        | 23.20               | 22.80     | 22.71     |                 |                 |                  |
|                              | 1       | 99        | 22.87               | 22.76     | 22.44     |                 |                 |                  |
|                              | 50      | 0         | 22.18               | 21.71     | 21.66     |                 |                 |                  |
|                              | 50      | 25        | 22.15               | 21.77     | 21.70     |                 |                 |                  |
|                              | 50      | 50        | 21.98               | 21.79     | 21.49     |                 |                 |                  |
|                              | 100     | 0         | 22.10               | 21.72     | 21.60     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.84               | 21.92     | 21.63     | 1.87            | 23.95           | 33.00            |
|                              | 1       | 49        | 22.08               | 22.01     | 21.63     |                 |                 |                  |
|                              | 1       | 99        | 21.75               | 21.88     | 21.35     |                 |                 |                  |
|                              | 50      | 0         | 21.20               | 20.76     | 20.65     |                 |                 |                  |
|                              | 50      | 25        | 21.15               | 20.74     | 20.65     |                 |                 |                  |
|                              | 50      | 50        | 21.02               | 20.77     | 20.52     |                 |                 |                  |
|                              | 100     | 0         | 21.14               | 20.69     | 20.52     |                 |                 |                  |



| LTE Band 4 - 1.4MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 19957               | 20175     | 20393     |                 |                 |                  |
|                               |         |           | 1710.7MHz           | 1732.5MHz | 1754.3MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.24               | 23.64     | 23.16     | 3.12            | 26.76           | 30.00            |
|                               | 1       | 2         | 23.26               | 23.30     | 23.15     |                 |                 |                  |
|                               | 1       | 5         | 23.35               | 23.21     | 23.13     |                 |                 |                  |
|                               | 3       | 0         | 23.50               | 23.27     | 23.32     |                 |                 |                  |
|                               | 3       | 1         | 23.48               | 23.26     | 23.31     |                 |                 |                  |
|                               | 3       | 2         | 23.55               | 23.31     | 23.27     |                 |                 |                  |
|                               | 6       | 0         | 22.51               | 22.27     | 22.33     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.29               | 22.17     | 22.13     | 3.12            | 25.56           | 30.00            |
|                               | 1       | 2         | 22.44               | 22.15     | 22.27     |                 |                 |                  |
|                               | 1       | 5         | 22.26               | 21.97     | 22.13     |                 |                 |                  |
|                               | 3       | 0         | 22.27               | 22.13     | 22.14     |                 |                 |                  |
|                               | 3       | 1         | 22.31               | 22.08     | 22.13     |                 |                 |                  |
|                               | 3       | 2         | 22.32               | 22.15     | 22.10     |                 |                 |                  |
|                               | 6       | 0         | 21.49               | 21.10     | 21.30     |                 |                 |                  |
| LTE Band 4 - 3MHz Bandwidth   |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 19965               | 20175     | 20385     |                 |                 |                  |
|                               |         |           | 1711.5MHz           | 1732.5MHz | 1753.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.02               | 23.26     | 23.25     | 3.12            | 26.41           | 30.00            |
|                               | 1       | 8         | 23.00               | 23.29     | 23.23     |                 |                 |                  |
|                               | 1       | 14        | 23.08               | 23.23     | 23.29     |                 |                 |                  |
|                               | 8       | 0         | 21.98               | 22.24     | 22.25     |                 |                 |                  |
|                               | 8       | 4         | 22.01               | 22.26     | 22.31     |                 |                 |                  |
|                               | 8       | 7         | 22.12               | 22.22     | 22.28     |                 |                 |                  |
|                               | 15      | 0         | 22.02               | 22.23     | 22.26     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.01               | 22.14     | 22.32     | 3.12            | 25.46           | 30.00            |
|                               | 1       | 8         | 22.00               | 22.09     | 22.34     |                 |                 |                  |
|                               | 1       | 14        | 22.00               | 22.10     | 22.32     |                 |                 |                  |
|                               | 8       | 0         | 21.07               | 21.25     | 21.31     |                 |                 |                  |
|                               | 8       | 4         | 21.07               | 21.21     | 21.29     |                 |                 |                  |
|                               | 8       | 7         | 21.06               | 21.28     | 21.30     |                 |                 |                  |
|                               | 15      | 0         | 21.03               | 21.16     | 21.24     |                 |                 |                  |



| LTE Band 4 - 5MHz Bandwidth  |         |           |                     |           |           |                 |                 |                  |
|------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 19975               | 20175     | 20375     |                 |                 |                  |
|                              |         |           | 1712.5MHz           | 1732.5MHz | 1752.5MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.96               | 23.18     | 23.23     | 3.12            | 26.49           | 30.00            |
|                              | 1       | 12        | 23.17               | 23.27     | 23.37     |                 |                 |                  |
|                              | 1       | 24        | 23.17               | 23.20     | 23.26     |                 |                 |                  |
|                              | 12      | 0         | 22.14               | 22.27     | 22.34     |                 |                 |                  |
|                              | 12      | 7         | 22.08               | 22.28     | 22.32     |                 |                 |                  |
|                              | 12      | 13        | 22.05               | 22.29     | 22.30     |                 |                 |                  |
|                              | 25      | 0         | 22.08               | 22.32     | 22.25     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.96               | 22.28     | 22.16     | 3.12            | 25.46           | 30.00            |
|                              | 1       | 12        | 22.04               | 22.34     | 22.25     |                 |                 |                  |
|                              | 1       | 24        | 22.02               | 22.26     | 22.23     |                 |                 |                  |
|                              | 12      | 0         | 21.09               | 21.28     | 21.29     |                 |                 |                  |
|                              | 12      | 7         | 21.00               | 21.31     | 21.25     |                 |                 |                  |
|                              | 12      | 13        | 21.11               | 21.27     | 21.23     |                 |                 |                  |
|                              | 25      | 0         | 21.12               | 21.32     | 21.29     |                 |                 |                  |
| LTE Band 4 - 10MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20000               | 20175     | 20350     |                 |                 |                  |
|                              |         |           | 1715.0MHz           | 1732.5MHz | 1750.0MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 23.04               | 23.27     | 23.25     | 3.12            | 26.53           | 30.00            |
|                              | 1       | 24        | 23.29               | 23.41     | 23.41     |                 |                 |                  |
|                              | 1       | 49        | 23.21               | 23.35     | 23.33     |                 |                 |                  |
|                              | 25      | 0         | 22.21               | 22.33     | 22.36     |                 |                 |                  |
|                              | 25      | 24        | 22.23               | 22.35     | 22.32     |                 |                 |                  |
|                              | 25      | 49        | 22.24               | 22.36     | 22.30     |                 |                 |                  |
|                              | 50      | 0         | 22.19               | 22.32     | 22.32     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 22.08               | 22.17     | 22.27     | 3.12            | 25.55           | 30.00            |
|                              | 1       | 24        | 22.24               | 22.26     | 22.43     |                 |                 |                  |
|                              | 1       | 49        | 22.32               | 22.12     | 22.33     |                 |                 |                  |
|                              | 25      | 0         | 21.23               | 21.32     | 21.38     |                 |                 |                  |
|                              | 25      | 24        | 21.19               | 21.33     | 21.37     |                 |                 |                  |
|                              | 25      | 49        | 21.18               | 21.37     | 21.30     |                 |                 |                  |
|                              | 50      | 0         | 21.22               | 21.38     | 21.31     |                 |                 |                  |

| LTE Band 4 - 15MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20025               | 20175     | 20325     |                 |                 |                  |
|                              |         |           | 1717.5MHz           | 1732.5MHz | 1747.5MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.95               | 23.12     | 23.13     | 3.12            | 26.43           | 30.00            |
|                              | 1       | 38        | 23.20               | 23.24     | 23.31     |                 |                 |                  |
|                              | 1       | 74        | 23.25               | 23.16     | 23.21     |                 |                 |                  |
|                              | 38      | 0         | 22.31               | 22.40     | 22.35     |                 |                 |                  |
|                              | 38      | 18        | 22.35               | 22.39     | 22.37     |                 |                 |                  |
|                              | 38      | 37        | 22.34               | 22.41     | 22.33     |                 |                 |                  |
|                              | 75      | 0         | 22.30               | 22.40     | 22.37     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.98               | 22.26     | 22.14     | 3.12            | 25.53           | 30.00            |
|                              | 1       | 38        | 22.30               | 22.41     | 22.32     |                 |                 |                  |
|                              | 1       | 74        | 22.30               | 22.36     | 22.22     |                 |                 |                  |
|                              | 38      | 0         | 22.31               | 22.38     | 22.37     |                 |                 |                  |
|                              | 38      | 18        | 22.32               | 22.38     | 22.34     |                 |                 |                  |
|                              | 38      | 37        | 22.25               | 22.39     | 22.36     |                 |                 |                  |
|                              | 75      | 0         | 21.26               | 21.39     | 21.32     |                 |                 |                  |
| LTE Band 4 - 20MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20050               | 20175     | 20300     |                 |                 |                  |
|                              |         |           | 1720.0MHz           | 1732.5MHz | 1745.0MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.92               | 23.17     | 23.08     | 3.12            | 26.55           | 30.00            |
|                              | 1       | 49        | 23.36               | 23.43     | 23.41     |                 |                 |                  |
|                              | 1       | 99        | 23.18               | 23.26     | 23.27     |                 |                 |                  |
|                              | 50      | 0         | 22.24               | 22.20     | 22.26     |                 |                 |                  |
|                              | 50      | 25        | 22.31               | 22.25     | 22.26     |                 |                 |                  |
|                              | 50      | 50        | 22.37               | 22.38     | 22.21     |                 |                 |                  |
|                              | 100     | 0         | 22.28               | 22.34     | 22.25     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.89               | 22.30     | 21.99     | 3.12            | 25.65           | 30.00            |
|                              | 1       | 49        | 22.28               | 22.53     | 22.33     |                 |                 |                  |
|                              | 1       | 99        | 22.15               | 22.36     | 22.19     |                 |                 |                  |
|                              | 50      | 0         | 21.25               | 21.25     | 21.22     |                 |                 |                  |
|                              | 50      | 25        | 21.27               | 21.29     | 21.18     |                 |                 |                  |
|                              | 50      | 50        | 21.41               | 21.42     | 21.26     |                 |                 |                  |
|                              | 100     | 0         | 21.27               | 21.35     | 21.19     |                 |                 |                  |



| LTE Band 5 - 1.4MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
|-------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 20407               | 20525    | 20643    |                 |                |                 |
|                               |         |           | 824.7MHz            | 836.5MHz | 848.3MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 23.56               | 23.36    | 23.06    | 0.64            | 22.23          | 38.45           |
|                               | 1       | 2         | 23.74               | 23.51    | 23.21    |                 |                |                 |
|                               | 1       | 5         | 23.50               | 23.34    | 23.02    |                 |                |                 |
|                               | 3       | 0         | 23.32               | 23.45    | 23.21    |                 |                |                 |
|                               | 3       | 1         | 23.33               | 23.44    | 23.20    |                 |                |                 |
|                               | 3       | 2         | 23.27               | 23.43    | 23.18    |                 |                |                 |
|                               | 6       | 0         | 22.24               | 22.37    | 22.17    |                 |                |                 |
| 16QAM                         | 1       | 0         | 22.55               | 22.28    | 21.86    | 0.64            | 21.26          | 38.45           |
|                               | 1       | 2         | 22.77               | 22.37    | 22.05    |                 |                |                 |
|                               | 1       | 5         | 22.11               | 22.21    | 21.89    |                 |                |                 |
|                               | 3       | 0         | 22.13               | 22.28    | 22.02    |                 |                |                 |
|                               | 3       | 1         | 22.15               | 22.26    | 21.95    |                 |                |                 |
|                               | 3       | 2         | 22.04               | 22.28    | 21.91    |                 |                |                 |
|                               | 6       | 0         | 21.27               | 21.25    | 21.18    |                 |                |                 |
| LTE Band 5 - 3MHz Bandwidth   |         |           |                     |          |          |                 |                |                 |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 20415               | 20525    | 20635    |                 |                |                 |
|                               |         |           | 825.5MHz            | 836.5MHz | 847.5MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 23.18               | 23.40    | 23.11    | 0.64            | 21.89          | 38.45           |
|                               | 1       | 8         | 23.23               | 23.37    | 23.13    |                 |                |                 |
|                               | 1       | 14        | 23.29               | 23.34    | 23.10    |                 |                |                 |
|                               | 8       | 0         | 22.13               | 22.39    | 22.22    |                 |                |                 |
|                               | 8       | 4         | 22.11               | 22.31    | 22.21    |                 |                |                 |
|                               | 8       | 7         | 22.28               | 22.34    | 22.20    |                 |                |                 |
|                               | 15      | 0         | 22.24               | 22.35    | 22.15    |                 |                |                 |
| 16QAM                         | 1       | 0         | 22.22               | 22.33    | 21.98    | 0.64            | 20.82          | 38.45           |
|                               | 1       | 8         | 22.27               | 22.30    | 21.96    |                 |                |                 |
|                               | 1       | 14        | 22.24               | 22.18    | 21.90    |                 |                |                 |
|                               | 8       | 0         | 21.24               | 21.32    | 21.23    |                 |                |                 |
|                               | 8       | 4         | 21.26               | 21.35    | 21.18    |                 |                |                 |
|                               | 8       | 7         | 21.24               | 21.34    | 21.18    |                 |                |                 |
|                               | 15      | 0         | 21.28               | 21.29    | 21.09    |                 |                |                 |





| LTE Band 5 - 5MHz Bandwidth  |         |           |                     |          |          |                 |                |                 |
|------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                              |         |           | 20425               | 20525    | 20625    |                 |                |                 |
|                              |         |           | 826.5MHz            | 836.5MHz | 846.5MHz |                 |                |                 |
| QPSK                         | 1       | 0         | 23.16               | 23.26    | 23.08    | 0.64            | 21.86          | 38.45           |
|                              | 1       | 12        | 23.33               | 23.37    | 23.23    |                 |                |                 |
|                              | 1       | 24        | 23.30               | 23.17    | 23.04    |                 |                |                 |
|                              | 12      | 0         | 22.09               | 22.32    | 22.23    |                 |                |                 |
|                              | 12      | 7         | 22.12               | 22.33    | 22.20    |                 |                |                 |
|                              | 12      | 13        | 22.28               | 22.40    | 22.18    |                 |                |                 |
|                              | 25      | 0         | 22.19               | 22.39    | 22.23    |                 |                |                 |
| 16QAM                        | 1       | 0         | 22.16               | 22.39    | 22.05    | 0.64            | 20.92          | 38.45           |
|                              | 1       | 12        | 22.28               | 22.43    | 22.16    |                 |                |                 |
|                              | 1       | 24        | 22.21               | 22.31    | 22.03    |                 |                |                 |
|                              | 12      | 0         | 21.10               | 21.34    | 21.26    |                 |                |                 |
|                              | 12      | 7         | 21.13               | 21.37    | 21.27    |                 |                |                 |
|                              | 12      | 13        | 21.19               | 21.44    | 21.15    |                 |                |                 |
|                              | 25      | 0         | 21.25               | 21.42    | 21.28    |                 |                |                 |
| LTE Band 5 - 10MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                              |         |           | 20450               | 20525    | 20600    |                 |                |                 |
|                              |         |           | 829.0MHz            | 836.5MHz | 844.0MHz |                 |                |                 |
| QPSK                         | 1       | 0         | 23.25               | 23.30    | 23.22    | 0.64            | 22.03          | 38.45           |
|                              | 1       | 24        | 23.43               | 23.54    | 23.27    |                 |                |                 |
|                              | 1       | 49        | 23.34               | 23.21    | 23.06    |                 |                |                 |
|                              | 25      | 0         | 22.26               | 22.40    | 22.33    |                 |                |                 |
|                              | 25      | 24        | 22.28               | 22.35    | 22.38    |                 |                |                 |
|                              | 25      | 49        | 22.38               | 22.41    | 22.21    |                 |                |                 |
|                              | 50      | 0         | 22.33               | 22.39    | 22.31    |                 |                |                 |
| 16QAM                        | 1       | 0         | 22.19               | 22.24    | 22.06    | 0.64            | 21.05          | 38.45           |
|                              | 1       | 24        | 22.56               | 22.38    | 22.07    |                 |                |                 |
|                              | 1       | 49        | 22.39               | 22.09    | 21.89    |                 |                |                 |
|                              | 25      | 0         | 21.32               | 21.40    | 21.42    |                 |                |                 |
|                              | 25      | 24        | 21.30               | 21.42    | 21.45    |                 |                |                 |
|                              | 25      | 49        | 21.43               | 21.45    | 21.26    |                 |                |                 |
|                              | 50      | 0         | 21.36               | 21.47    | 21.32    |                 |                |                 |



| LTE Band 7 - 5MHz Bandwidth  |         |           |                     |           |           |                 |                 |                  |
|------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20775               | 21100     | 21425     |                 |                 |                  |
|                              |         |           | 2502.5MHz           | 2535.0MHz | 2567.5MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 23.12               | 22.64     | 22.79     | 2.90            | 26.02           | 33.00            |
|                              | 1       | 12        | 22.75               | 22.77     | 23.01     |                 |                 |                  |
|                              | 1       | 24        | 22.66               | 22.68     | 22.87     |                 |                 |                  |
|                              | 12      | 0         | 21.71               | 21.71     | 21.93     |                 |                 |                  |
|                              | 12      | 7         | 21.69               | 21.66     | 21.95     |                 |                 |                  |
|                              | 12      | 13        | 21.73               | 21.68     | 21.88     |                 |                 |                  |
|                              | 25      | 0         | 21.75               | 21.72     | 21.93     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.59               | 21.56     | 21.81     | 2.90            | 24.90           | 33.00            |
|                              | 1       | 12        | 21.72               | 21.69     | 22.00     |                 |                 |                  |
|                              | 1       | 24        | 21.58               | 21.59     | 21.92     |                 |                 |                  |
|                              | 12      | 0         | 20.62               | 20.66     | 20.99     |                 |                 |                  |
|                              | 12      | 7         | 20.64               | 20.68     | 20.95     |                 |                 |                  |
|                              | 12      | 13        | 20.71               | 20.62     | 20.90     |                 |                 |                  |
|                              | 25      | 0         | 20.72               | 20.74     | 20.94     |                 |                 |                  |
| LTE Band 7 - 10MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20800               | 21100     | 21400     |                 |                 |                  |
|                              |         |           | 2505.0MHz           | 2535.0MHz | 2565.0MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.76               | 22.68     | 22.89     | 2.90            | 25.99           | 33.00            |
|                              | 1       | 24        | 22.81               | 22.83     | 23.09     |                 |                 |                  |
|                              | 1       | 49        | 22.75               | 22.74     | 22.99     |                 |                 |                  |
|                              | 25      | 0         | 21.80               | 21.80     | 22.01     |                 |                 |                  |
|                              | 25      | 24        | 21.75               | 21.78     | 21.97     |                 |                 |                  |
|                              | 25      | 49        | 21.78               | 21.71     | 21.88     |                 |                 |                  |
|                              | 50      | 0         | 21.81               | 21.75     | 21.92     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.73               | 21.70     | 21.67     | 2.90            | 24.80           | 33.00            |
|                              | 1       | 24        | 21.90               | 21.81     | 21.83     |                 |                 |                  |
|                              | 1       | 49        | 21.79               | 21.70     | 21.75     |                 |                 |                  |
|                              | 25      | 0         | 20.77               | 20.74     | 21.04     |                 |                 |                  |
|                              | 25      | 24        | 20.73               | 20.75     | 21.02     |                 |                 |                  |
|                              | 25      | 49        | 20.72               | 20.64     | 20.94     |                 |                 |                  |
|                              | 50      | 0         | 20.75               | 20.74     | 20.93     |                 |                 |                  |



| LTE Band 7 - 15MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20825               | 21100     | 21375     |                 |                 |                  |
|                              |         |           | 2507.5MHz           | 2535.0MHz | 2562.5MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.54               | 22.53     | 22.67     | 2.90            | 25.77           | 33.00            |
|                              | 1       | 38        | 22.62               | 22.69     | 22.87     |                 |                 |                  |
|                              | 1       | 74        | 22.55               | 22.63     | 22.78     |                 |                 |                  |
|                              | 38      | 0         | 21.75               | 21.83     | 21.99     |                 |                 |                  |
|                              | 38      | 18        | 21.80               | 21.84     | 21.98     |                 |                 |                  |
|                              | 38      | 37        | 21.76               | 21.84     | 21.98     |                 |                 |                  |
|                              | 75      | 0         | 21.76               | 21.85     | 21.98     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.60               | 21.58     | 21.77     | 2.90            | 24.89           | 33.00            |
|                              | 1       | 38        | 21.69               | 21.65     | 21.88     |                 |                 |                  |
|                              | 1       | 74        | 21.63               | 21.67     | 21.88     |                 |                 |                  |
|                              | 38      | 0         | 21.76               | 21.86     | 21.99     |                 |                 |                  |
|                              | 38      | 18        | 21.77               | 21.83     | 21.95     |                 |                 |                  |
|                              | 38      | 37        | 21.79               | 21.84     | 21.97     |                 |                 |                  |
|                              | 75      | 0         | 20.71               | 20.70     | 20.95     |                 |                 |                  |
| LTE Band 7 - 20MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                   | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                              |         |           | 20850               | 21100     | 21350     |                 |                 |                  |
|                              |         |           | 2510.0MHz           | 2535.0MHz | 2560.0MHz |                 |                 |                  |
| QPSK                         | 1       | 0         | 22.60               | 22.59     | 22.72     | 2.90            | 25.91           | 33.00            |
|                              | 1       | 49        | 22.97               | 22.89     | 23.01     |                 |                 |                  |
|                              | 1       | 99        | 22.65               | 22.71     | 22.88     |                 |                 |                  |
|                              | 50      | 0         | 21.78               | 21.64     | 21.82     |                 |                 |                  |
|                              | 50      | 25        | 21.74               | 21.67     | 21.83     |                 |                 |                  |
|                              | 50      | 50        | 21.75               | 21.65     | 21.76     |                 |                 |                  |
|                              | 100     | 0         | 21.71               | 21.61     | 21.79     |                 |                 |                  |
| 16QAM                        | 1       | 0         | 21.56               | 21.52     | 21.81     | 2.90            | 25.00           | 33.00            |
|                              | 1       | 49        | 21.76               | 21.72     | 22.10     |                 |                 |                  |
|                              | 1       | 99        | 21.62               | 21.66     | 21.93     |                 |                 |                  |
|                              | 50      | 0         | 20.75               | 20.63     | 20.90     |                 |                 |                  |
|                              | 50      | 25        | 20.72               | 20.66     | 20.86     |                 |                 |                  |
|                              | 50      | 50        | 20.73               | 20.61     | 20.75     |                 |                 |                  |
|                              | 100     | 0         | 20.73               | 20.56     | 20.80     |                 |                 |                  |



| LTE Band 12 - 1.4MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
|--------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                     | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                |         |           | 23017               | 23095    | 23173    |                 |                |                 |
|                                |         |           | 699.7MHz            | 707.5MHz | 715.3MHz |                 |                |                 |
| QPSK                           | 1       | 0         | 23.48               | 22.89    | 22.80    | 0.95            | 22.41          | 33.77           |
|                                | 1       | 2         | 23.61               | 22.98    | 22.87    |                 |                |                 |
|                                | 1       | 5         | 22.94               | 22.86    | 22.73    |                 |                |                 |
|                                | 3       | 0         | 23.10               | 22.94    | 22.90    |                 |                |                 |
|                                | 3       | 1         | 23.11               | 22.93    | 22.96    |                 |                |                 |
|                                | 3       | 2         | 23.08               | 22.95    | 22.92    |                 |                |                 |
|                                | 6       | 0         | 22.05               | 21.86    | 21.90    |                 |                |                 |
| 16QAM                          | 1       | 0         | 22.34               | 21.73    | 21.59    | 0.95            | 21.20          | 33.77           |
|                                | 1       | 2         | 22.40               | 21.92    | 21.69    |                 |                |                 |
|                                | 1       | 5         | 21.86               | 21.67    | 21.57    |                 |                |                 |
|                                | 3       | 0         | 21.86               | 21.75    | 21.71    |                 |                |                 |
|                                | 3       | 1         | 21.88               | 21.75    | 21.68    |                 |                |                 |
|                                | 3       | 2         | 21.94               | 21.75    | 21.64    |                 |                |                 |
|                                | 6       | 0         | 21.00               | 20.70    | 20.82    |                 |                |                 |
| LTE Band 12 - 3MHz Bandwidth   |         |           |                     |          |          |                 |                |                 |
| Modulation                     | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                |         |           | 23025               | 23095    | 23165    |                 |                |                 |
|                                |         |           | 700.5MHz            | 707.5MHz | 714.5MHz |                 |                |                 |
| QPSK                           | 1       | 0         | 23.05               | 23.01    | 22.86    | 0.95            | 21.88          | 33.77           |
|                                | 1       | 8         | 23.08               | 22.97    | 22.96    |                 |                |                 |
|                                | 1       | 14        | 23.02               | 22.90    | 22.83    |                 |                |                 |
|                                | 8       | 0         | 22.11               | 21.91    | 21.89    |                 |                |                 |
|                                | 8       | 4         | 22.11               | 21.92    | 21.90    |                 |                |                 |
|                                | 8       | 7         | 22.13               | 21.90    | 21.89    |                 |                |                 |
|                                | 15      | 0         | 22.12               | 21.88    | 21.87    |                 |                |                 |
| 16QAM                          | 1       | 0         | 22.06               | 21.85    | 21.63    | 0.95            | 20.89          | 33.77           |
|                                | 1       | 8         | 22.09               | 21.79    | 21.70    |                 |                |                 |
|                                | 1       | 14        | 22.06               | 21.70    | 21.69    |                 |                |                 |
|                                | 8       | 0         | 21.12               | 20.90    | 20.92    |                 |                |                 |
|                                | 8       | 4         | 21.11               | 20.93    | 20.91    |                 |                |                 |
|                                | 8       | 7         | 21.10               | 20.89    | 20.89    |                 |                |                 |
|                                | 15      | 0         | 21.09               | 20.79    | 20.81    |                 |                |                 |



| LTE Band 12 - 5MHz Bandwidth  |         |           |                     |          |          |                 |                |                 |
|-------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 23035               | 23095    | 23155    |                 |                |                 |
|                               |         |           | 701.5MHz            | 707.5MHz | 713.5MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 23.06               | 22.87    | 22.76    | 0.95            | 21.95          | 33.77           |
|                               | 1       | 12        | 23.15               | 22.91    | 22.95    |                 |                |                 |
|                               | 1       | 24        | 23.01               | 22.81    | 22.82    |                 |                |                 |
|                               | 12      | 0         | 22.08               | 21.91    | 21.93    |                 |                |                 |
|                               | 12      | 7         | 22.08               | 21.86    | 21.95    |                 |                |                 |
|                               | 12      | 13        | 22.05               | 21.97    | 21.95    |                 |                |                 |
|                               | 25      | 0         | 22.12               | 21.95    | 21.97    |                 |                |                 |
| 16QAM                         | 1       | 0         | 21.97               | 22.01    | 21.67    | 0.95            | 20.91          | 33.77           |
|                               | 1       | 12        | 22.11               | 22.02    | 21.80    |                 |                |                 |
|                               | 1       | 24        | 21.94               | 21.86    | 21.78    |                 |                |                 |
|                               | 12      | 0         | 21.10               | 20.86    | 20.94    |                 |                |                 |
|                               | 12      | 7         | 21.07               | 20.84    | 20.93    |                 |                |                 |
|                               | 12      | 13        | 21.02               | 20.88    | 20.91    |                 |                |                 |
|                               | 25      | 0         | 21.11               | 20.88    | 20.96    |                 |                |                 |
| LTE Band 12 - 10MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 23060               | 23095    | 23130    |                 |                |                 |
|                               |         |           | 704.0MHz            | 707.5MHz | 711.0MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 23.05               | 22.99    | 22.97    | 0.95            | 21.93          | 33.77           |
|                               | 1       | 24        | 23.13               | 22.97    | 22.97    |                 |                |                 |
|                               | 1       | 49        | 22.84               | 22.91    | 22.84    |                 |                |                 |
|                               | 25      | 0         | 22.01               | 21.80    | 21.84    |                 |                |                 |
|                               | 25      | 24        | 22.07               | 21.82    | 21.81    |                 |                |                 |
|                               | 25      | 49        | 22.30               | 21.88    | 21.85    |                 |                |                 |
|                               | 50      | 0         | 22.18               | 21.82    | 21.86    |                 |                |                 |
| 16QAM                         | 1       | 0         | 22.05               | 21.88    | 21.72    | 0.95            | 20.98          | 33.77           |
|                               | 1       | 24        | 22.18               | 21.92    | 21.77    |                 |                |                 |
|                               | 1       | 49        | 21.87               | 21.69    | 21.62    |                 |                |                 |
|                               | 25      | 0         | 21.07               | 20.84    | 20.82    |                 |                |                 |
|                               | 25      | 24        | 21.02               | 20.84    | 20.86    |                 |                |                 |
|                               | 25      | 49        | 21.29               | 20.91    | 20.89    |                 |                |                 |
|                               | 50      | 0         | 21.19               | 20.84    | 20.78    |                 |                |                 |



| LTE Band 13 - 5MHz Bandwidth  |         |           |                     |          |          |                 |                |                 |
|-------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 23205               | 23230    | 23255    |                 |                |                 |
|                               |         |           | 779.5MHz            | 782.0MHz | 784.5MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 23.51               | 23.04    | 23.06    | 2.23            | 23.72          | 33.77           |
|                               | 1       | 12        | 23.64               | 23.19    | 23.18    |                 |                |                 |
|                               | 1       | 24        | 23.53               | 23.05    | 23.03    |                 |                |                 |
|                               | 12      | 0         | 22.56               | 22.17    | 22.14    |                 |                |                 |
|                               | 12      | 7         | 22.60               | 22.09    | 22.13    |                 |                |                 |
|                               | 12      | 13        | 22.64               | 22.12    | 22.10    |                 |                |                 |
|                               | 25      | 0         | 22.09               | 22.16    | 22.13    |                 |                |                 |
| 16QAM                         | 1       | 0         | 22.61               | 21.98    | 21.99    | 2.23            | 22.79          | 33.77           |
|                               | 1       | 12        | 22.71               | 22.03    | 22.15    |                 |                |                 |
|                               | 1       | 24        | 22.56               | 21.95    | 21.94    |                 |                |                 |
|                               | 12      | 0         | 21.65               | 21.20    | 21.13    |                 |                |                 |
|                               | 12      | 7         | 21.66               | 21.18    | 21.09    |                 |                |                 |
|                               | 12      | 13        | 21.21               | 21.17    | 21.10    |                 |                |                 |
|                               | 25      | 0         | 21.10               | 21.22    | 21.13    |                 |                |                 |
| LTE Band 13 - 10MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | /                   | 23230    | /        |                 |                |                 |
|                               |         |           | /                   | 782.0MHz | /        |                 |                |                 |
| QPSK                          | 1       | 0         | /                   | 23.13    | /        | 2.23            | 23.37          | 33.77           |
|                               | 1       | 24        | /                   | 23.29    | /        |                 |                |                 |
|                               | 1       | 49        | /                   | 23.10    | /        |                 |                |                 |
|                               | 25      | 0         | /                   | 22.11    | /        |                 |                |                 |
|                               | 25      | 24        | /                   | 22.14    | /        |                 |                |                 |
|                               | 25      | 49        | /                   | 22.20    | /        |                 |                |                 |
|                               | 50      | 0         | /                   | 22.14    | /        |                 |                |                 |
| 16QAM                         | 1       | 0         | /                   | 22.15    | /        | 2.23            | 22.36          | 33.77           |
|                               | 1       | 24        | /                   | 22.28    | /        |                 |                |                 |
|                               | 1       | 49        | /                   | 22.08    | /        |                 |                |                 |
|                               | 25      | 0         | /                   | 21.13    | /        |                 |                |                 |
|                               | 25      | 24        | /                   | 21.10    | /        |                 |                |                 |
|                               | 25      | 49        | /                   | 21.20    | /        |                 |                |                 |
|                               | 50      | 0         | /                   | 21.17    | /        |                 |                |                 |



| LTE Band 17 - 5MHz Bandwidth  |         |           |                     |          |          |                 |                |                 |
|-------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 23755               | 23790    | 23825    |                 |                |                 |
|                               |         |           | 706.5MHz            | 710.0MHz | 713.5MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 22.93               | 22.76    | 22.77    | 0.95            | 21.79          | 33.77           |
|                               | 1       | 12        | 22.99               | 22.89    | 22.93    |                 |                |                 |
|                               | 1       | 24        | 22.93               | 22.74    | 22.82    |                 |                |                 |
|                               | 12      | 0         | 21.83               | 21.87    | 21.98    |                 |                |                 |
|                               | 12      | 7         | 21.82               | 21.83    | 21.93    |                 |                |                 |
|                               | 12      | 13        | 22.09               | 21.81    | 21.92    |                 |                |                 |
|                               | 25      | 0         | 22.05               | 21.84    | 21.92    |                 |                |                 |
| 16QAM                         | 1       | 0         | 21.93               | 21.95    | 21.76    | 0.95            | 20.81          | 33.77           |
|                               | 1       | 12        | 22.01               | 21.99    | 21.90    |                 |                |                 |
|                               | 1       | 24        | 21.88               | 21.89    | 21.84    |                 |                |                 |
|                               | 12      | 0         | 20.93               | 20.86    | 20.97    |                 |                |                 |
|                               | 12      | 7         | 20.88               | 20.85    | 20.94    |                 |                |                 |
|                               | 12      | 13        | 21.08               | 20.79    | 20.90    |                 |                |                 |
|                               | 25      | 0         | 21.13               | 20.76    | 20.91    |                 |                |                 |
| LTE Band 17 - 10MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                               |         |           | 23780               | 23790    | 23800    |                 |                |                 |
|                               |         |           | 709.0MHz            | 710.0MHz | 711.0MHz |                 |                |                 |
| QPSK                          | 1       | 0         | 22.92               | 22.92    | 22.91    | 0.95            | 21.82          | 33.77           |
|                               | 1       | 24        | 22.96               | 23.02    | 23.02    |                 |                |                 |
|                               | 1       | 49        | 22.87               | 22.88    | 22.90    |                 |                |                 |
|                               | 25      | 0         | 21.68               | 21.73    | 21.77    |                 |                |                 |
|                               | 25      | 24        | 21.73               | 21.73    | 21.80    |                 |                |                 |
|                               | 25      | 49        | 21.84               | 21.86    | 21.90    |                 |                |                 |
|                               | 50      | 0         | 21.78               | 21.80    | 21.89    |                 |                |                 |
| 16QAM                         | 1       | 0         | 22.03               | 21.84    | 21.75    | 0.95            | 20.91          | 33.77           |
|                               | 1       | 24        | 22.11               | 22.03    | 21.79    |                 |                |                 |
|                               | 1       | 49        | 21.86               | 21.77    | 21.72    |                 |                |                 |
|                               | 25      | 0         | 20.71               | 20.75    | 20.85    |                 |                |                 |
|                               | 25      | 24        | 20.68               | 20.76    | 20.85    |                 |                |                 |
|                               | 25      | 49        | 20.80               | 20.87    | 20.93    |                 |                |                 |
|                               | 50      | 0         | 20.80               | 20.81    | 20.87    |                 |                |                 |



| LTE Band 25 - 1.4MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|--------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                     | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                                |         |           | 26047               | 26365     | 26683     |                 |                 |                  |
|                                |         |           | 1850.7MHz           | 1882.5MHz | 1914.3MHz |                 |                 |                  |
| QPSK                           | 1       | 0         | 22.92               | 22.68     | 22.54     | 1.87            | 24.99           | 33.00            |
|                                | 1       | 2         | 23.12               | 22.90     | 22.73     |                 |                 |                  |
|                                | 1       | 5         | 23.01               | 22.76     | 22.54     |                 |                 |                  |
|                                | 3       | 0         | 23.06               | 22.80     | 22.57     |                 |                 |                  |
|                                | 3       | 1         | 23.03               | 22.82     | 22.53     |                 |                 |                  |
|                                | 3       | 2         | 23.07               | 22.85     | 22.56     |                 |                 |                  |
|                                | 6       | 0         | 22.01               | 21.81     | 21.67     |                 |                 |                  |
| 16QAM                          | 1       | 0         | 21.82               | 21.52     | 21.38     | 1.87            | 23.83           | 33.00            |
|                                | 1       | 2         | 21.96               | 21.70     | 21.43     |                 |                 |                  |
|                                | 1       | 5         | 21.79               | 21.51     | 21.36     |                 |                 |                  |
|                                | 3       | 0         | 21.87               | 21.55     | 21.36     |                 |                 |                  |
|                                | 3       | 1         | 21.86               | 21.55     | 21.35     |                 |                 |                  |
|                                | 3       | 2         | 21.84               | 21.56     | 21.32     |                 |                 |                  |
|                                | 6       | 0         | 20.89               | 20.76     | 20.61     |                 |                 |                  |
| LTE Band 25 - 3MHz Bandwidth   |         |           |                     |           |           |                 |                 |                  |
| Modulation                     | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                                |         |           | 26055               | 26365     | 26675     |                 |                 |                  |
|                                |         |           | 1851.5MHz           | 1882.5MHz | 1913.5MHz |                 |                 |                  |
| QPSK                           | 1       | 0         | 22.95               | 22.73     | 22.53     | 1.87            | 24.86           | 33.00            |
|                                | 1       | 8         | 22.97               | 22.77     | 22.54     |                 |                 |                  |
|                                | 1       | 14        | 22.99               | 22.83     | 22.57     |                 |                 |                  |
|                                | 8       | 0         | 22.02               | 21.75     | 21.55     |                 |                 |                  |
|                                | 8       | 4         | 22.00               | 21.70     | 21.54     |                 |                 |                  |
|                                | 8       | 7         | 21.98               | 21.73     | 21.57     |                 |                 |                  |
|                                | 15      | 0         | 21.97               | 21.70     | 21.49     |                 |                 |                  |
| 16QAM                          | 1       | 0         | 21.98               | 21.64     | 21.49     | 1.87            | 23.93           | 33.00            |
|                                | 1       | 8         | 22.02               | 21.61     | 21.49     |                 |                 |                  |
|                                | 1       | 14        | 22.06               | 21.57     | 21.49     |                 |                 |                  |
|                                | 8       | 0         | 21.04               | 20.72     | 20.51     |                 |                 |                  |
|                                | 8       | 4         | 20.99               | 20.69     | 20.54     |                 |                 |                  |
|                                | 8       | 7         | 21.01               | 20.71     | 20.54     |                 |                 |                  |
|                                | 15      | 0         | 20.96               | 20.64     | 20.49     |                 |                 |                  |





| LTE Band 25 - 5MHz Bandwidth  |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 26065               | 26365     | 26665     |                 |                 |                  |
|                               |         |           | 1852.5MHz           | 1882.5MHz | 1912.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.91               | 22.59     | 22.42     | 1.87            | 24.92           | 33.00            |
|                               | 1       | 12        | 23.05               | 22.76     | 22.59     |                 |                 |                  |
|                               | 1       | 24        | 23.02               | 22.66     | 22.51     |                 |                 |                  |
|                               | 12      | 0         | 21.99               | 21.70     | 21.48     |                 |                 |                  |
|                               | 12      | 7         | 22.02               | 21.81     | 21.48     |                 |                 |                  |
|                               | 12      | 13        | 21.96               | 21.79     | 21.48     |                 |                 |                  |
|                               | 25      | 0         | 22.04               | 21.78     | 21.50     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.87               | 21.72     | 21.37     | 1.87            | 23.91           | 33.00            |
|                               | 1       | 12        | 22.04               | 21.86     | 21.49     |                 |                 |                  |
|                               | 1       | 24        | 21.97               | 21.73     | 21.43     |                 |                 |                  |
|                               | 12      | 0         | 21.01               | 20.76     | 20.45     |                 |                 |                  |
|                               | 12      | 7         | 20.89               | 20.78     | 20.49     |                 |                 |                  |
|                               | 12      | 13        | 20.95               | 20.77     | 20.42     |                 |                 |                  |
|                               | 25      | 0         | 20.96               | 20.73     | 20.48     |                 |                 |                  |
| LTE Band 25 - 10MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 26090               | 26365     | 26640     |                 |                 |                  |
|                               |         |           | 1855.0MHz           | 1882.5MHz | 1910.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.99               | 22.74     | 22.45     | 1.87            | 25.03           | 33.00            |
|                               | 1       | 24        | 23.16               | 22.83     | 22.50     |                 |                 |                  |
|                               | 1       | 49        | 23.04               | 22.83     | 22.56     |                 |                 |                  |
|                               | 25      | 0         | 22.14               | 21.83     | 21.50     |                 |                 |                  |
|                               | 25      | 24        | 22.13               | 21.80     | 21.55     |                 |                 |                  |
|                               | 25      | 49        | 22.04               | 21.80     | 21.51     |                 |                 |                  |
|                               | 50      | 0         | 22.10               | 21.82     | 21.50     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.98               | 21.66     | 21.48     | 1.87            | 24.05           | 33.00            |
|                               | 1       | 24        | 22.18               | 21.69     | 21.53     |                 |                 |                  |
|                               | 1       | 49        | 22.09               | 21.67     | 21.52     |                 |                 |                  |
|                               | 25      | 0         | 21.07               | 20.85     | 20.52     |                 |                 |                  |
|                               | 25      | 24        | 21.10               | 20.85     | 20.51     |                 |                 |                  |
|                               | 25      | 49        | 21.01               | 20.85     | 20.49     |                 |                 |                  |
|                               | 50      | 0         | 21.03               | 20.82     | 20.48     |                 |                 |                  |



| LTE Band 25 - 15MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 26115               | 26365     | 26615     |                 |                 |                  |
|                               |         |           | 1857.5MHz           | 1882.5MHz | 1907.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.94               | 22.66     | 22.46     | 1.87            | 24.99           | 33.00            |
|                               | 1       | 38        | 23.12               | 22.70     | 22.52     |                 |                 |                  |
|                               | 1       | 74        | 22.95               | 22.66     | 22.51     |                 |                 |                  |
|                               | 38      | 0         | 22.14               | 21.89     | 21.66     |                 |                 |                  |
|                               | 38      | 18        | 22.15               | 21.87     | 21.60     |                 |                 |                  |
|                               | 38      | 37        | 22.17               | 21.87     | 21.60     |                 |                 |                  |
|                               | 75      | 0         | 22.15               | 21.88     | 21.62     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.95               | 21.82     | 21.52     | 1.87            | 24.02           | 33.00            |
|                               | 1       | 38        | 22.14               | 21.83     | 21.56     |                 |                 |                  |
|                               | 1       | 74        | 22.02               | 21.85     | 21.47     |                 |                 |                  |
|                               | 38      | 0         | 22.13               | 21.89     | 21.63     |                 |                 |                  |
|                               | 38      | 18        | 22.15               | 21.88     | 21.67     |                 |                 |                  |
|                               | 38      | 37        | 22.11               | 21.86     | 21.67     |                 |                 |                  |
|                               | 75      | 0         | 21.08               | 20.80     | 20.53     |                 |                 |                  |
| LTE Band 25 - 20MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 26140               | 26365     | 26590     |                 |                 |                  |
|                               |         |           | 1860.0MHz           | 1882.5MHz | 1905.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.90               | 22.73     | 22.61     | 1.87            | 25.11           | 33.00            |
|                               | 1       | 49        | 23.24               | 22.92     | 22.67     |                 |                 |                  |
|                               | 1       | 99        | 22.80               | 22.70     | 22.55     |                 |                 |                  |
|                               | 50      | 0         | 22.10               | 21.83     | 21.59     |                 |                 |                  |
|                               | 50      | 25        | 22.11               | 21.75     | 21.52     |                 |                 |                  |
|                               | 50      | 50        | 22.01               | 21.74     | 21.48     |                 |                 |                  |
|                               | 100     | 0         | 22.07               | 21.71     | 21.47     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.80               | 21.80     | 21.54     | 1.87            | 24.07           | 33.00            |
|                               | 1       | 49        | 22.20               | 22.04     | 21.57     |                 |                 |                  |
|                               | 1       | 99        | 21.77               | 21.88     | 21.31     |                 |                 |                  |
|                               | 50      | 0         | 21.09               | 20.81     | 20.55     |                 |                 |                  |
|                               | 50      | 25        | 21.17               | 20.79     | 20.57     |                 |                 |                  |
|                               | 50      | 50        | 21.08               | 20.77     | 20.47     |                 |                 |                  |
|                               | 100     | 0         | 21.10               | 20.72     | 20.46     |                 |                 |                  |



| LTE Band 26 (Part 22) - 1.4MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
|------------------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                               | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                          |         |           | 26797               | 26915    | 27033    |                 |                |                 |
|                                          |         |           | 824.7MHz            | 836.5MHz | 848.3MHz |                 |                |                 |
| QPSK                                     | 1       | 0         | 23.20               | 23.32    | 23.04    | 0.64            | 21.97          | 38.45           |
|                                          | 1       | 2         | 23.26               | 23.43    | 23.21    |                 |                |                 |
|                                          | 1       | 5         | 23.22               | 23.27    | 23.09    |                 |                |                 |
|                                          | 3       | 0         | 23.31               | 23.45    | 23.17    |                 |                |                 |
|                                          | 3       | 1         | 23.29               | 23.44    | 23.18    |                 |                |                 |
|                                          | 3       | 2         | 23.32               | 23.48    | 23.16    |                 |                |                 |
|                                          | 6       | 0         | 22.24               | 22.40    | 22.24    |                 |                |                 |
| 16QAM                                    | 1       | 0         | 22.02               | 22.11    | 22.04    | 0.64            | 20.69          | 38.45           |
|                                          | 1       | 2         | 22.17               | 22.14    | 22.16    |                 |                |                 |
|                                          | 1       | 5         | 22.09               | 22.05    | 21.98    |                 |                |                 |
|                                          | 3       | 0         | 22.16               | 22.19    | 22.02    |                 |                |                 |
|                                          | 3       | 1         | 22.17               | 22.20    | 22.00    |                 |                |                 |
|                                          | 3       | 2         | 22.12               | 22.20    | 21.98    |                 |                |                 |
|                                          | 6       | 0         | 21.07               | 21.37    | 21.22    |                 |                |                 |
| LTE Band 26(Part 22) - 3MHz Bandwidth    |         |           |                     |          |          |                 |                |                 |
| Modulation                               | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                          |         |           | 26805               | 26915    | 27025    |                 |                |                 |
|                                          |         |           | 825.5MHz            | 836.5MHz | 847.5MHz |                 |                |                 |
| QPSK                                     | 1       | 0         | 23.15               | 23.34    | 23.09    | 0.64            | 21.87          | 38.45           |
|                                          | 1       | 8         | 23.25               | 23.38    | 23.08    |                 |                |                 |
|                                          | 1       | 14        | 23.24               | 23.32    | 23.08    |                 |                |                 |
|                                          | 8       | 0         | 22.08               | 22.34    | 22.14    |                 |                |                 |
|                                          | 8       | 4         | 22.12               | 22.31    | 22.11    |                 |                |                 |
|                                          | 8       | 7         | 22.23               | 22.28    | 22.16    |                 |                |                 |
|                                          | 15      | 0         | 22.18               | 22.37    | 22.11    |                 |                |                 |
| 16QAM                                    | 1       | 0         | 22.14               | 22.22    | 21.90    | 0.64            | 20.77          | 38.45           |
|                                          | 1       | 8         | 22.28               | 22.18    | 21.92    |                 |                |                 |
|                                          | 1       | 14        | 22.24               | 22.17    | 21.89    |                 |                |                 |
|                                          | 8       | 0         | 21.23               | 21.31    | 21.16    |                 |                |                 |
|                                          | 8       | 4         | 21.22               | 21.31    | 21.18    |                 |                |                 |
|                                          | 8       | 7         | 21.26               | 21.29    | 21.19    |                 |                |                 |
|                                          | 15      | 0         | 21.23               | 21.27    | 21.05    |                 |                |                 |

| LTE Band 26 (Part 22) - 5MHz Bandwidth  |         |           |                     |          |          |                 |                |                 |
|-----------------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                              | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                         |         |           | 26815               | 26915    | 27015    |                 |                |                 |
|                                         |         |           | 826.5MHz            | 836.5MHz | 846.5MHz |                 |                |                 |
| QPSK                                    | 1       | 0         | 23.02               | 23.16    | 23.07    | 0.64            | 21.87          | 38.45           |
|                                         | 1       | 12        | 23.28               | 23.38    | 23.15    |                 |                |                 |
|                                         | 1       | 24        | 23.21               | 23.15    | 23.02    |                 |                |                 |
|                                         | 12      | 0         | 22.08               | 22.34    | 22.20    |                 |                |                 |
|                                         | 12      | 7         | 22.09               | 22.30    | 22.22    |                 |                |                 |
|                                         | 12      | 13        | 22.23               | 22.42    | 22.15    |                 |                |                 |
|                                         | 25      | 0         | 22.18               | 22.32    | 22.20    |                 |                |                 |
| 16QAM                                   | 1       | 0         | 22.12               | 22.31    | 22.02    | 0.64            | 20.90          | 38.45           |
|                                         | 1       | 12        | 22.33               | 22.41    | 22.15    |                 |                |                 |
|                                         | 1       | 24        | 22.17               | 22.29    | 21.95    |                 |                |                 |
|                                         | 12      | 0         | 21.05               | 21.36    | 21.24    |                 |                |                 |
|                                         | 12      | 7         | 21.04               | 21.37    | 21.20    |                 |                |                 |
|                                         | 12      | 13        | 21.16               | 21.35    | 21.14    |                 |                |                 |
|                                         | 25      | 0         | 21.22               | 21.36    | 21.29    |                 |                |                 |
| LTE Band 26 (Part 22) - 10MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
| Modulation                              | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                         |         |           | 26840               | 26915    | 26990    |                 |                |                 |
|                                         |         |           | 829.0MHz            | 836.5MHz | 844.0MHz |                 |                |                 |
| QPSK                                    | 1       | 0         | 23.15               | 23.28    | 23.17    | 0.64            | 21.94          | 38.45           |
|                                         | 1       | 24        | 23.43               | 23.45    | 23.26    |                 |                |                 |
|                                         | 1       | 49        | 23.37               | 23.20    | 23.09    |                 |                |                 |
|                                         | 25      | 0         | 22.22               | 22.37    | 22.35    |                 |                |                 |
|                                         | 25      | 24        | 22.25               | 22.36    | 22.37    |                 |                |                 |
|                                         | 25      | 49        | 22.33               | 22.39    | 22.15    |                 |                |                 |
|                                         | 50      | 0         | 22.24               | 22.38    | 22.24    |                 |                |                 |
| 16QAM                                   | 1       | 0         | 22.13               | 22.21    | 22.00    | 0.64            | 20.83          | 38.45           |
|                                         | 1       | 24        | 22.32               | 22.30    | 22.02    |                 |                |                 |
|                                         | 1       | 49        | 22.34               | 22.05    | 21.89    |                 |                |                 |
|                                         | 25      | 0         | 21.26               | 21.42    | 21.40    |                 |                |                 |
|                                         | 25      | 24        | 21.26               | 21.39    | 21.40    |                 |                |                 |
|                                         | 25      | 49        | 21.34               | 21.42    | 21.20    |                 |                |                 |
|                                         | 50      | 0         | 21.26               | 21.42    | 21.30    |                 |                |                 |



| LTE Band 26 (Part 22) - 15MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
|-----------------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                              | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                         |         |           | 26865               | 26915    | 26965    |                 |                |                 |
|                                         |         |           | 831.5MHz            | 836.5MHz | 841.5MHz |                 |                |                 |
| QPSK                                    | 1       | 0         | 23.07               | 23.11    | 23.23    | 0.64            | 21.82          | 38.45           |
|                                         | 1       | 38        | 23.33               | 23.28    | 23.17    |                 |                |                 |
|                                         | 1       | 74        | 23.17               | 23.00    | 23.01    |                 |                |                 |
|                                         | 38      | 0         | 22.40               | 22.33    | 22.21    |                 |                |                 |
|                                         | 38      | 18        | 22.38               | 22.27    | 22.23    |                 |                |                 |
|                                         | 38      | 37        | 22.35               | 22.31    | 22.16    |                 |                |                 |
|                                         | 75      | 0         | 22.39               | 22.33    | 22.27    |                 |                |                 |
| 16QAM                                   | 1       | 0         | 22.07               | 22.29    | 22.04    | 0.64            | 20.88          | 38.45           |
|                                         | 1       | 38        | 22.33               | 22.39    | 21.96    |                 |                |                 |
|                                         | 1       | 74        | 22.23               | 22.22    | 21.84    |                 |                |                 |
|                                         | 38      | 0         | 22.36               | 22.32    | 22.19    |                 |                |                 |
|                                         | 38      | 18        | 22.33               | 22.30    | 22.25    |                 |                |                 |
|                                         | 38      | 37        | 22.39               | 22.35    | 22.20    |                 |                |                 |
|                                         | 75      | 0         | 21.32               | 21.32    | 21.18    |                 |                |                 |



| LTE Band 26 (Part 90) - 1.4MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
|------------------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                               | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                          |         |           | 26697               | 26740    | 26783    |                 |                |                 |
|                                          |         |           | 814.7MHz            | 819.0MHz | 823.3MHz |                 |                |                 |
| QPSK                                     | 1       | 0         | 23.22               | 23.20    | 23.16    | 0.91            | 22.17          | 50.00           |
|                                          | 1       | 2         | 23.37               | 23.41    | 23.31    |                 |                |                 |
|                                          | 1       | 5         | 23.23               | 23.18    | 23.16    |                 |                |                 |
|                                          | 3       | 0         | 23.34               | 23.38    | 23.29    |                 |                |                 |
|                                          | 3       | 1         | 23.28               | 23.32    | 23.28    |                 |                |                 |
|                                          | 3       | 2         | 23.36               | 23.39    | 23.28    |                 |                |                 |
|                                          | 6       | 0         | 22.24               | 22.27    | 22.25    |                 |                |                 |
| 16QAM                                    | 1       | 0         | 22.08               | 22.05    | 22.13    | 0.91            | 21.07          | 50.00           |
|                                          | 1       | 2         | 22.28               | 22.08    | 22.31    |                 |                |                 |
|                                          | 1       | 5         | 22.07               | 22.04    | 22.15    |                 |                |                 |
|                                          | 3       | 0         | 22.17               | 22.07    | 22.09    |                 |                |                 |
|                                          | 3       | 1         | 22.16               | 22.10    | 22.08    |                 |                |                 |
|                                          | 3       | 2         | 22.13               | 22.12    | 22.09    |                 |                |                 |
|                                          | 6       | 0         | 21.14               | 21.17    | 21.28    |                 |                |                 |
| LTE Band 26 (Part 90) - 3MHz Bandwidth   |         |           |                     |          |          |                 |                |                 |
| Modulation                               | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                          |         |           | 26705               | 26740    | 26775    |                 |                |                 |
|                                          |         |           | 815.5MHz            | 819.0MHz | 822.5MHz |                 |                |                 |
| QPSK                                     | 1       | 0         | 23.23               | 23.22    | 23.21    | 0.91            | 22.06          | 50.00           |
|                                          | 1       | 7         | 23.25               | 23.21    | 23.22    |                 |                |                 |
|                                          | 1       | 14        | 23.22               | 23.30    | 23.20    |                 |                |                 |
|                                          | 8       | 0         | 22.24               | 22.20    | 22.12    |                 |                |                 |
|                                          | 8       | 4         | 22.23               | 22.21    | 22.15    |                 |                |                 |
|                                          | 8       | 7         | 22.24               | 22.22    | 22.18    |                 |                |                 |
|                                          | 15      | 0         | 22.18               | 22.22    | 22.20    |                 |                |                 |
| 16QAM                                    | 1       | 0         | 22.24               | 22.14    | 21.96    | 0.91            | 21.05          | 50.00           |
|                                          | 1       | 7         | 22.29               | 22.08    | 22.02    |                 |                |                 |
|                                          | 1       | 14        | 22.29               | 22.09    | 22.04    |                 |                |                 |
|                                          | 8       | 0         | 21.25               | 21.22    | 21.18    |                 |                |                 |
|                                          | 8       | 4         | 21.26               | 21.22    | 21.14    |                 |                |                 |
|                                          | 8       | 7         | 21.28               | 21.20    | 21.18    |                 |                |                 |
|                                          | 15      | 0         | 21.20               | 21.16    | 21.10    |                 |                |                 |

| LTE Band 26 (Part 90) - 5MHz Bandwidth  |         |           |                     |          |          |                 |                |                 |
|-----------------------------------------|---------|-----------|---------------------|----------|----------|-----------------|----------------|-----------------|
| Modulation                              | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                         |         |           | 26715               | 26740    | 26765    |                 |                |                 |
|                                         |         |           | 816.5MHz            | 819.0MHz | 821.5MHz |                 |                |                 |
| QPSK                                    | 1       | 0         | 23.18               | 23.09    | 23.12    | 0.91            | 22.10          | 50.00           |
|                                         | 1       | 12        | 23.34               | 23.22    | 23.29    |                 |                |                 |
|                                         | 1       | 24        | 23.20               | 23.08    | 23.21    |                 |                |                 |
|                                         | 12      | 0         | 22.26               | 22.14    | 22.16    |                 |                |                 |
|                                         | 12      | 6         | 22.29               | 22.15    | 22.17    |                 |                |                 |
|                                         | 12      | 11        | 22.21               | 22.23    | 22.22    |                 |                |                 |
|                                         | 25      | 0         | 22.31               | 22.23    | 22.20    |                 |                |                 |
| 16QAM                                   | 1       | 0         | 22.13               | 22.24    | 22.12    | 0.91            | 21.15          | 50.00           |
|                                         | 1       | 12        | 22.29               | 22.39    | 22.18    |                 |                |                 |
|                                         | 1       | 24        | 22.10               | 22.19    | 22.07    |                 |                |                 |
|                                         | 12      | 0         | 21.25               | 21.19    | 21.14    |                 |                |                 |
|                                         | 12      | 6         | 21.26               | 21.23    | 21.16    |                 |                |                 |
|                                         | 12      | 11        | 21.22               | 21.32    | 21.24    |                 |                |                 |
|                                         | 25      | 0         | 21.33               | 21.26    | 21.27    |                 |                |                 |
| LTE Band 26 (Part 90) - 10MHz Bandwidth |         |           |                     |          |          |                 |                |                 |
| Modulation                              | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. ERP (dBm) | ERP Limit (dBm) |
|                                         |         |           | /                   | 26740    | /        |                 |                |                 |
|                                         |         |           | /                   | 819.0MHz | /        |                 |                |                 |
| QPSK                                    | 1       | 0         | /                   | 23.21    | /        | 0.91            | 22.05          | 50.00           |
|                                         | 1       | 24        | /                   | 23.29    | /        |                 |                |                 |
|                                         | 1       | 49        | /                   | 23.20    | /        |                 |                |                 |
|                                         | 25      | 0         | /                   | 22.27    | /        |                 |                |                 |
|                                         | 25      | 12        | /                   | 22.26    | /        |                 |                |                 |
|                                         | 25      | 24        | /                   | 22.47    | /        |                 |                |                 |
|                                         | 50      | 0         | /                   | 22.32    | /        |                 |                |                 |
| 16QAM                                   | 1       | 0         | /                   | 22.22    | /        | 0.91            | 21.10          | 50.00           |
|                                         | 1       | 24        | /                   | 22.34    | /        |                 |                |                 |
|                                         | 1       | 49        | /                   | 22.23    | /        |                 |                |                 |
|                                         | 25      | 0         | /                   | 21.30    | /        |                 |                |                 |
|                                         | 25      | 12        | /                   | 21.30    | /        |                 |                |                 |
|                                         | 25      | 24        | /                   | 21.44    | /        |                 |                |                 |
|                                         | 50      | 0         | /                   | 21.36    | /        |                 |                |                 |



| LTE Band 41 - 5MHz Bandwidth  |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 40265               | 40740     | 41215     |                 |                 |                  |
|                               |         |           | 2557.5MHz           | 2605.0MHz | 2652.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.11               | 23.11     | 23.11     | 2.90            | 26.14           | 33.00            |
|                               | 1       | 12        | 23.22               | 23.24     | 23.23     |                 |                 |                  |
|                               | 1       | 24        | 23.14               | 23.09     | 23.11     |                 |                 |                  |
|                               | 12      | 0         | 22.12               | 22.20     | 22.18     |                 |                 |                  |
|                               | 12      | 7         | 22.11               | 22.16     | 22.21     |                 |                 |                  |
|                               | 12      | 13        | 22.02               | 22.19     | 22.17     |                 |                 |                  |
|                               | 25      | 0         | 22.01               | 22.22     | 22.20     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.12               | 22.37     | 22.14     | 2.90            | 25.40           | 33.00            |
|                               | 1       | 12        | 22.20               | 22.50     | 22.23     |                 |                 |                  |
|                               | 1       | 24        | 22.11               | 22.23     | 22.15     |                 |                 |                  |
|                               | 12      | 0         | 21.11               | 21.28     | 21.14     |                 |                 |                  |
|                               | 12      | 7         | 21.08               | 21.30     | 0.00      |                 |                 |                  |
|                               | 12      | 13        | 21.05               | 21.27     | 21.17     |                 |                 |                  |
|                               | 25      | 0         | 21.07               | 21.26     | 21.26     |                 |                 |                  |
| LTE Band 41 - 10MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 40290               | 40740     | 41190     |                 |                 |                  |
|                               |         |           | 2560.0MHz           | 2605.0MHz | 2650.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.09               | 23.34     | 23.25     | 2.90            | 26.44           | 33.00            |
|                               | 1       | 24        | 23.36               | 23.54     | 23.49     |                 |                 |                  |
|                               | 1       | 49        | 23.07               | 23.32     | 23.21     |                 |                 |                  |
|                               | 25      | 0         | 22.12               | 22.38     | 22.45     |                 |                 |                  |
|                               | 25      | 24        | 22.10               | 22.38     | 22.30     |                 |                 |                  |
|                               | 25      | 49        | 22.21               | 22.31     | 22.28     |                 |                 |                  |
|                               | 50      | 0         | 22.08               | 22.33     | 22.33     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.27               | 22.51     | 21.96     | 2.90            | 25.49           | 33.00            |
|                               | 1       | 24        | 22.48               | 22.59     | 22.08     |                 |                 |                  |
|                               | 1       | 49        | 22.26               | 22.44     | 21.92     |                 |                 |                  |
|                               | 25      | 0         | 21.23               | 21.50     | 21.41     |                 |                 |                  |
|                               | 25      | 24        | 21.21               | 21.48     | 21.41     |                 |                 |                  |
|                               | 25      | 49        | 21.31               | 21.41     | 21.32     |                 |                 |                  |
|                               | 50      | 0         | 21.20               | 21.36     | 21.41     |                 |                 |                  |



| LTE Band 41 - 15MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 40315               | 40740     | 41165     |                 |                 |                  |
|                               |         |           | 2562.5MHz           | 2605.0MHz | 2647.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.05               | 23.19     | 23.24     | 2.90            | 26.23           | 33.00            |
|                               | 1       | 38        | 23.14               | 23.33     | 23.33     |                 |                 |                  |
|                               | 1       | 74        | 23.05               | 23.20     | 23.22     |                 |                 |                  |
|                               | 38      | 0         | 22.11               | 22.34     | 22.35     |                 |                 |                  |
|                               | 38      | 18        | 22.10               | 22.38     | 22.37     |                 |                 |                  |
|                               | 38      | 37        | 22.11               | 22.34     | 22.34     |                 |                 |                  |
|                               | 75      | 0         | 22.11               | 22.39     | 22.34     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.79               | 22.32     | 22.06     | 2.90            | 25.33           | 33.00            |
|                               | 1       | 38        | 21.91               | 22.43     | 22.14     |                 |                 |                  |
|                               | 1       | 74        | 21.82               | 22.33     | 21.95     |                 |                 |                  |
|                               | 38      | 0         | 22.13               | 22.36     | 22.37     |                 |                 |                  |
|                               | 38      | 18        | 22.13               | 22.36     | 22.32     |                 |                 |                  |
|                               | 38      | 37        | 22.12               | 22.37     | 22.37     |                 |                 |                  |
|                               | 75      | 0         | 21.16               | 21.35     | 21.36     |                 |                 |                  |
| LTE Band 41 - 20MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 40340               | 40740     | 41140     |                 |                 |                  |
|                               |         |           | 2565.0MHz           | 2605.0MHz | 2645.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.99               | 23.18     | 23.07     | 2.90            | 26.43           | 33.00            |
|                               | 1       | 49        | 23.25               | 23.53     | 23.30     |                 |                 |                  |
|                               | 1       | 99        | 22.97               | 23.23     | 23.03     |                 |                 |                  |
|                               | 50      | 0         | 21.93               | 22.31     | 22.32     |                 |                 |                  |
|                               | 50      | 25        | 21.95               | 22.32     | 22.35     |                 |                 |                  |
|                               | 50      | 50        | 22.02               | 22.25     | 22.24     |                 |                 |                  |
|                               | 100     | 0         | 21.99               | 22.28     | 22.30     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.02               | 22.16     | 21.69     | 2.90            | 25.31           | 33.00            |
|                               | 1       | 49        | 22.24               | 22.41     | 21.88     |                 |                 |                  |
|                               | 1       | 99        | 21.95               | 22.19     | 21.65     |                 |                 |                  |
|                               | 50      | 0         | 21.05               | 21.38     | 21.42     |                 |                 |                  |
|                               | 50      | 25        | 20.99               | 21.39     | 21.43     |                 |                 |                  |
|                               | 50      | 50        | 21.09               | 21.30     | 21.34     |                 |                 |                  |
|                               | 100     | 0         | 21.09               | 21.32     | 21.35     |                 |                 |                  |



| LTE Band 66 - 1.4MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|--------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                     | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                                |         |           | 131979              | 132322    | 132665    |                 |                 |                  |
|                                |         |           | 1710.7MHz           | 1745.0MHz | 1779.3MHz |                 |                 |                  |
| QPSK                           | 1       | 0         | 22.99               | 23.14     | 23.25     | 3.12            | 26.52           | 30.00            |
|                                | 1       | 2         | 23.10               | 23.29     | 23.39     |                 |                 |                  |
|                                | 1       | 5         | 22.97               | 23.20     | 23.32     |                 |                 |                  |
|                                | 3       | 0         | 23.07               | 23.29     | 23.40     |                 |                 |                  |
|                                | 3       | 1         | 23.07               | 23.30     | 23.38     |                 |                 |                  |
|                                | 3       | 2         | 23.07               | 23.30     | 23.40     |                 |                 |                  |
|                                | 6       | 0         | 22.03               | 22.34     | 22.45     |                 |                 |                  |
| 16QAM                          | 1       | 0         | 21.81               | 22.12     | 22.22     | 3.12            | 25.63           | 30.00            |
|                                | 1       | 2         | 22.00               | 22.18     | 22.51     |                 |                 |                  |
|                                | 1       | 5         | 21.86               | 22.12     | 22.22     |                 |                 |                  |
|                                | 3       | 0         | 21.91               | 22.10     | 22.22     |                 |                 |                  |
|                                | 3       | 1         | 21.94               | 22.08     | 22.21     |                 |                 |                  |
|                                | 3       | 2         | 21.90               | 22.09     | 22.21     |                 |                 |                  |
|                                | 6       | 0         | 20.89               | 21.30     | 21.36     |                 |                 |                  |
| LTE Band 66 - 3MHz Bandwidth   |         |           |                     |           |           |                 |                 |                  |
| Modulation                     | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                                |         |           | 131987              | 132322    | 132657    |                 |                 |                  |
|                                |         |           | 1711.5MHz           | 1745.0MHz | 1778.5MHz |                 |                 |                  |
| QPSK                           | 1       | 0         | 23.00               | 23.17     | 23.30     | 3.12            | 26.47           | 30.00            |
|                                | 1       | 7         | 23.07               | 23.27     | 23.34     |                 |                 |                  |
|                                | 1       | 14        | 23.09               | 23.28     | 23.35     |                 |                 |                  |
|                                | 8       | 0         | 22.06               | 22.27     | 22.37     |                 |                 |                  |
|                                | 8       | 4         | 22.05               | 22.31     | 22.39     |                 |                 |                  |
|                                | 8       | 7         | 22.10               | 22.31     | 22.42     |                 |                 |                  |
|                                | 15      | 0         | 22.01               | 22.29     | 22.33     |                 |                 |                  |
| 16QAM                          | 1       | 0         | 22.06               | 22.30     | 22.35     | 3.12            | 25.52           | 30.00            |
|                                | 1       | 7         | 22.05               | 22.29     | 22.36     |                 |                 |                  |
|                                | 1       | 14        | 22.14               | 22.32     | 22.40     |                 |                 |                  |
|                                | 8       | 0         | 21.09               | 21.27     | 21.39     |                 |                 |                  |
|                                | 8       | 4         | 21.07               | 21.31     | 21.40     |                 |                 |                  |
|                                | 8       | 7         | 21.11               | 21.32     | 21.37     |                 |                 |                  |
|                                | 15      | 0         | 21.04               | 21.29     | 21.38     |                 |                 |                  |



| LTE Band 66 - 5MHz Bandwidth  |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 131997              | 132322    | 132647    |                 |                 |                  |
|                               |         |           | 1712.5MHz           | 1745.0MHz | 1777.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.99               | 23.17     | 23.28     | 3.12            | 26.54           | 30.00            |
|                               | 1       | 12        | 23.15               | 23.36     | 23.42     |                 |                 |                  |
|                               | 1       | 24        | 23.15               | 23.33     | 23.38     |                 |                 |                  |
|                               | 12      | 0         | 22.05               | 22.25     | 22.41     |                 |                 |                  |
|                               | 12      | 6         | 22.05               | 22.28     | 22.39     |                 |                 |                  |
|                               | 12      | 11        | 22.06               | 22.31     | 22.34     |                 |                 |                  |
|                               | 25      | 0         | 22.08               | 22.25     | 22.37     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.98               | 22.16     | 22.21     | 3.12            | 25.45           | 30.00            |
|                               | 1       | 12        | 22.07               | 22.30     | 22.33     |                 |                 |                  |
|                               | 1       | 24        | 22.04               | 22.26     | 22.27     |                 |                 |                  |
|                               | 12      | 0         | 21.09               | 21.27     | 21.31     |                 |                 |                  |
|                               | 12      | 6         | 21.06               | 21.21     | 21.35     |                 |                 |                  |
|                               | 12      | 11        | 21.11               | 21.21     | 21.34     |                 |                 |                  |
|                               | 25      | 0         | 21.10               | 21.30     | 21.38     |                 |                 |                  |
| LTE Band 66 - 10MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 132022              | 132322    | 132622    |                 |                 |                  |
|                               |         |           | 1715.0MHz           | 1745.0MHz | 1775.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.21               | 23.01     | 23.00     | 3.12            | 26.70           | 30.00            |
|                               | 1       | 24        | 23.47               | 23.25     | 23.36     |                 |                 |                  |
|                               | 1       | 49        | 23.58               | 23.15     | 23.22     |                 |                 |                  |
|                               | 25      | 0         | 22.50               | 22.15     | 22.20     |                 |                 |                  |
|                               | 25      | 12        | 22.52               | 22.15     | 22.20     |                 |                 |                  |
|                               | 25      | 24        | 22.60               | 22.18     | 22.25     |                 |                 |                  |
|                               | 50      | 0         | 22.08               | 22.18     | 22.24     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.31               | 22.04     | 22.13     | 3.12            | 25.74           | 30.00            |
|                               | 1       | 24        | 22.62               | 22.30     | 22.29     |                 |                 |                  |
|                               | 1       | 49        | 22.61               | 22.17     | 22.23     |                 |                 |                  |
|                               | 25      | 0         | 21.54               | 21.14     | 21.19     |                 |                 |                  |
|                               | 25      | 12        | 21.56               | 21.15     | 21.17     |                 |                 |                  |
|                               | 25      | 24        | 21.10               | 21.16     | 21.21     |                 |                 |                  |
|                               | 50      | 0         | 21.12               | 21.15     | 21.21     |                 |                 |                  |

| LTE Band 66 - 15MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|-----------|-----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 132047              | 132322    | 132597    |                 |                 |                  |
|                               |         |           | 1717.5MHz           | 1745.0MHz | 1772.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.82               | 22.97     | 23.02     | 3.12            | 26.32           | 30.00            |
|                               | 1       | 37        | 23.16               | 23.18     | 23.20     |                 |                 |                  |
|                               | 1       | 74        | 23.16               | 23.11     | 23.18     |                 |                 |                  |
|                               | 36      | 0         | 22.21               | 22.25     | 22.25     |                 |                 |                  |
|                               | 36      | 16        | 22.22               | 22.23     | 22.27     |                 |                 |                  |
|                               | 36      | 35        | 22.21               | 22.21     | 22.25     |                 |                 |                  |
|                               | 75      | 0         | 22.20               | 22.22     | 22.26     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.85               | 22.04     | 22.06     | 3.12            | 25.40           | 30.00            |
|                               | 1       | 37        | 22.16               | 22.21     | 22.21     |                 |                 |                  |
|                               | 1       | 74        | 22.21               | 22.12     | 22.19     |                 |                 |                  |
|                               | 36      | 0         | 22.27               | 22.22     | 22.28     |                 |                 |                  |
|                               | 36      | 16        | 22.23               | 22.21     | 22.27     |                 |                 |                  |
|                               | 36      | 35        | 22.21               | 22.22     | 22.25     |                 |                 |                  |
|                               | 75      | 0         | 21.17               | 21.15     | 21.14     |                 |                 |                  |
| LTE Band 66 - 20MHz Bandwidth |         |           |                     |           |           |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |           |           | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 132072              | 132322    | 132572    |                 |                 |                  |
|                               |         |           | 1720.0MHz           | 1745.0MHz | 1770.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 22.83               | 22.95     | 22.99     | 3.12            | 26.48           | 30.00            |
|                               | 1       | 49        | 23.36               | 23.35     | 23.20     |                 |                 |                  |
|                               | 1       | 99        | 23.14               | 23.14     | 23.17     |                 |                 |                  |
|                               | 50      | 0         | 22.18               | 22.09     | 22.06     |                 |                 |                  |
|                               | 50      | 24        | 22.15               | 22.09     | 22.05     |                 |                 |                  |
|                               | 50      | 49        | 22.27               | 22.18     | 22.16     |                 |                 |                  |
|                               | 100     | 0         | 22.24               | 22.12     | 22.08     |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.74               | 21.86     | 21.91     | 3.12            | 25.43           | 30.00            |
|                               | 1       | 49        | 22.31               | 22.21     | 22.17     |                 |                 |                  |
|                               | 1       | 99        | 22.01               | 21.99     | 22.08     |                 |                 |                  |
|                               | 50      | 0         | 21.18               | 21.12     | 21.05     |                 |                 |                  |
|                               | 50      | 24        | 21.17               | 21.08     | 21.09     |                 |                 |                  |
|                               | 50      | 49        | 21.30               | 21.12     | 21.16     |                 |                 |                  |
|                               | 100     | 0         | 21.24               | 21.08     | 21.07     |                 |                 |                  |



| LTE Band 71 - 5MHz Bandwidth  |         |           |                     |          |          |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|----------|----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 133147              | 133297   | 133447   |                 |                 |                  |
|                               |         |           | 665.5MHz            | 680.5MHz | 695.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.59               | 22.87    | 23.03    | -0.48           | 21.05           | 30.00            |
|                               | 1       | 12        | 23.68               | 22.91    | 23.17    |                 |                 |                  |
|                               | 1       | 24        | 23.52               | 22.83    | 23.10    |                 |                 |                  |
|                               | 12      | 0         | 22.23               | 21.93    | 22.17    |                 |                 |                  |
|                               | 12      | 7         | 22.22               | 21.99    | 22.19    |                 |                 |                  |
|                               | 12      | 13        | 22.32               | 22.00    | 22.12    |                 |                 |                  |
|                               | 25      | 0         | 22.37               | 22.03    | 22.21    |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.57               | 21.93    | 21.91    | -0.48           | 20.05           | 30.00            |
|                               | 1       | 12        | 22.68               | 22.02    | 22.05    |                 |                 |                  |
|                               | 1       | 24        | 22.17               | 21.95    | 22.00    |                 |                 |                  |
|                               | 12      | 0         | 21.31               | 20.97    | 21.14    |                 |                 |                  |
|                               | 12      | 7         | 21.29               | 21.00    | 21.13    |                 |                 |                  |
|                               | 12      | 13        | 21.46               | 21.08    | 21.14    |                 |                 |                  |
|                               | 25      | 0         | 21.55               | 20.98    | 21.20    |                 |                 |                  |
| LTE Band 71 - 10MHz Bandwidth |         |           |                     |          |          |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 133172              | 133297   | 133422   |                 |                 |                  |
|                               |         |           | 668.0MHz            | 680.5MHz | 693.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.62               | 22.97    | 23.02    | -0.48           | 20.99           | 30.00            |
|                               | 1       | 24        | 23.28               | 23.01    | 23.30    |                 |                 |                  |
|                               | 1       | 49        | 23.10               | 22.92    | 23.23    |                 |                 |                  |
|                               | 25      | 0         | 22.23               | 22.11    | 22.27    |                 |                 |                  |
|                               | 25      | 24        | 22.22               | 22.08    | 22.29    |                 |                 |                  |
|                               | 25      | 49        | 22.43               | 22.17    | 22.07    |                 |                 |                  |
|                               | 50      | 0         | 22.39               | 22.18    | 22.19    |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.43               | 21.99    | 21.84    | -0.48           | 19.80           | 30.00            |
|                               | 1       | 24        | 22.15               | 22.08    | 22.11    |                 |                 |                  |
|                               | 1       | 49        | 21.93               | 22.01    | 22.06    |                 |                 |                  |
|                               | 25      | 0         | 21.42               | 21.12    | 21.29    |                 |                 |                  |
|                               | 25      | 24        | 21.41               | 21.10    | 21.26    |                 |                 |                  |
|                               | 25      | 49        | 21.59               | 21.19    | 21.12    |                 |                 |                  |
|                               | 50      | 0         | 21.55               | 21.18    | 21.18    |                 |                 |                  |



| LTE Band 71 - 15MHz Bandwidth |         |           |                     |          |          |                 |                 |                  |
|-------------------------------|---------|-----------|---------------------|----------|----------|-----------------|-----------------|------------------|
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 133197              | 133297   | 133397   |                 |                 |                  |
|                               |         |           | 670.5MHz            | 680.5MHz | 690.5MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.05               | 23.00    | 22.79    | -0.48           | 20.47           | 30.00            |
|                               | 1       | 38        | 23.00               | 22.96    | 23.02    |                 |                 |                  |
|                               | 1       | 74        | 22.82               | 22.92    | 23.10    |                 |                 |                  |
|                               | 38      | 0         | 22.23               | 21.77    | 21.86    |                 |                 |                  |
|                               | 38      | 18        | 22.28               | 21.73    | 22.05    |                 |                 |                  |
|                               | 38      | 37        | 22.05               | 21.72    | 22.11    |                 |                 |                  |
|                               | 75      | 0         | 22.11               | 22.19    | 22.04    |                 |                 |                  |
| 16QAM                         | 1       | 0         | 22.20               | 21.75    | 21.90    | -0.48           | 19.65           | 30.00            |
|                               | 1       | 38        | 22.27               | 21.76    | 22.01    |                 |                 |                  |
|                               | 1       | 74        | 22.02               | 21.70    | 22.14    |                 |                 |                  |
|                               | 38      | 0         | 22.22               | 21.75    | 21.92    |                 |                 |                  |
|                               | 38      | 18        | 22.28               | 21.77    | 22.05    |                 |                 |                  |
|                               | 38      | 37        | 22.04               | 21.74    | 22.14    |                 |                 |                  |
|                               | 75      | 0         | 21.15               | 21.18    | 21.04    |                 |                 |                  |
| LTE Band 71 - 20MHz Bandwidth |         |           |                     |          |          |                 |                 |                  |
| Modulation                    | RB Size | RB Offset | Average Power (dBm) |          |          | Ant. Gain (dBi) | Max. EIRP (dBm) | EIRP Limit (dBm) |
|                               |         |           | 133222              | 133322   | 133372   |                 |                 |                  |
|                               |         |           | 673.0MHz            | 683.0MHz | 688.0MHz |                 |                 |                  |
| QPSK                          | 1       | 0         | 23.47               | 22.93    | 22.81    | -0.48           | 20.84           | 30.00            |
|                               | 1       | 49        | 23.15               | 22.98    | 23.16    |                 |                 |                  |
|                               | 1       | 99        | 22.78               | 23.06    | 23.13    |                 |                 |                  |
|                               | 50      | 0         | 21.91               | 22.01    | 21.68    |                 |                 |                  |
|                               | 50      | 25        | 21.90               | 22.00    | 21.68    |                 |                 |                  |
|                               | 50      | 50        | 21.95               | 22.18    | 21.87    |                 |                 |                  |
|                               | 100     | 0         | 22.01               | 22.05    | 21.74    |                 |                 |                  |
| 16QAM                         | 1       | 0         | 21.87               | 21.87    | 22.03    | -0.48           | 19.61           | 30.00            |
|                               | 1       | 49        | 22.06               | 21.98    | 22.24    |                 |                 |                  |
|                               | 1       | 99        | 21.73               | 21.89    | 22.21    |                 |                 |                  |
|                               | 50      | 0         | 21.04               | 21.02    | 20.72    |                 |                 |                  |
|                               | 50      | 25        | 21.09               | 21.06    | 20.72    |                 |                 |                  |
|                               | 50      | 50        | 20.97               | 21.06    | 20.83    |                 |                 |                  |
|                               | 100     | 0         | 20.99               | 21.04    | 20.78    |                 |                 |                  |

## Peak-to-Average Ratio(CCDF)

### Test Result and Data

| Band   | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|--------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2  | 20MHz     | 16QAM      | 18700   | 1RB#0            | 5.51       | 13        | PASS    |
| Band2  | 20MHz     | 16QAM      | 18700   | 100RB#0          | 6.26       | 13        | PASS    |
| Band2  | 20MHz     | 16QAM      | 18900   | 1RB#0            | 5.35       | 13        | PASS    |
| Band2  | 20MHz     | 16QAM      | 18900   | 100RB#0          | 6.12       | 13        | PASS    |
| Band2  | 20MHz     | 16QAM      | 19100   | 1RB#0            | 5.79       | 13        | PASS    |
| Band2  | 20MHz     | 16QAM      | 19100   | 100RB#0          | 6.06       | 13        | PASS    |
| Band4  | 20MHz     | 16QAM      | 20050   | 1RB#0            | 5.27       | 13        | PASS    |
| Band4  | 20MHz     | 16QAM      | 20050   | 100RB#0          | 6.22       | 13        | PASS    |
| Band4  | 20MHz     | 16QAM      | 20175   | 1RB#0            | 5.78       | 13        | PASS    |
| Band4  | 20MHz     | 16QAM      | 20175   | 100RB#0          | 6.13       | 13        | PASS    |
| Band4  | 20MHz     | 16QAM      | 20300   | 1RB#0            | 5.42       | 13        | PASS    |
| Band4  | 20MHz     | 16QAM      | 20300   | 100RB#0          | 6.10       | 13        | PASS    |
| Band5  | 10MHz     | 16QAM      | 20450   | 1RB#0            | 5.61       | 13        | PASS    |
| Band5  | 10MHz     | 16QAM      | 20450   | 50RB#0           | 6.33       | 13        | PASS    |
| Band5  | 10MHz     | 16QAM      | 20525   | 1RB#0            | 5.92       | 13        | PASS    |
| Band5  | 10MHz     | 16QAM      | 20525   | 50RB#0           | 6.37       | 13        | PASS    |
| Band5  | 10MHz     | 16QAM      | 20600   | 1RB#0            | 5.33       | 13        | PASS    |
| Band5  | 10MHz     | 16QAM      | 20600   | 50RB#0           | 6.21       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 20850   | 1RB#0            | 4.67       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 20850   | 100RB#0          | 6.06       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 21100   | 1RB#0            | 5.33       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 21100   | 100RB#0          | 5.73       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 21350   | 1RB#0            | 4.83       | 13        | PASS    |
| Band7  | 20MHz     | 16QAM      | 21350   | 100RB#0          | 5.85       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 1RB#0            | 5.14       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23060   | 50RB#0           | 6.47       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 1RB#0            | 6.12       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23095   | 50RB#0           | 6.34       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 1RB#0            | 5.90       | 13        | PASS    |
| Band12 | 10MHz     | 16QAM      | 23130   | 50RB#0           | 6.34       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 1RB#0            | 5.71       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23205   | 25RB#0           | 6.31       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 1RB#0            | 5.53       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23230   | 25RB#0           | 6.23       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 1RB#0            | 5.28       | 13        | PASS    |
| Band13 | 5MHz      | 16QAM      | 23255   | 25RB#0           | 6.17       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 1RB#0            | 5.83       | 13        | PASS    |
| Band13 | 10MHz     | 16QAM      | 23230   | 50RB#0           | 6.26       | 13        | PASS    |



|                 |       |       |        |         |      |    |      |
|-----------------|-------|-------|--------|---------|------|----|------|
| Band17          | 10MHz | 16QAM | 23780  | 1RB#0   | 6.60 | 13 | PASS |
| Band17          | 10MHz | 16QAM | 23780  | 50RB#0  | 6.33 | 13 | PASS |
| Band17          | 10MHz | 16QAM | 23790  | 1RB#0   | 6.43 | 13 | PASS |
| Band17          | 10MHz | 16QAM | 23790  | 50RB#0  | 6.36 | 13 | PASS |
| Band17          | 10MHz | 16QAM | 23800  | 1RB#0   | 6.56 | 13 | PASS |
| Band17          | 10MHz | 16QAM | 23800  | 50RB#0  | 6.35 | 13 | PASS |
| Band25          | 20MHz | 16QAM | 26140  | 1RB#0   | 5.23 | 13 | PASS |
| Band25          | 20MHz | 16QAM | 26140  | 100RB#0 | 6.25 | 13 | PASS |
| Band25          | 20MHz | 16QAM | 26365  | 1RB#0   | 5.30 | 13 | PASS |
| Band25          | 20MHz | 16QAM | 26365  | 100RB#0 | 6.11 | 13 | PASS |
| Band25          | 20MHz | 16QAM | 26590  | 1RB#0   | 5.62 | 13 | PASS |
| Band25          | 20MHz | 16QAM | 26590  | 100RB#0 | 6.01 | 13 | PASS |
| Band26(814-824) | 5MHz  | 16QAM | 26715  | 1RB#0   | 5.53 | 13 | PASS |
| Band26(814-824) | 5MHz  | 16QAM | 26715  | 25RB#0  | 6.49 | 13 | PASS |
| Band26(814-824) | 5MHz  | 16QAM | 26740  | 1RB#0   | 5.97 | 13 | PASS |
| Band26(814-824) | 5MHz  | 16QAM | 26740  | 25RB#0  | 6.50 | 13 | PASS |
| Band26(814-824) | 5MHz  | 16QAM | 26765  | 1RB#0   | 6.05 | 13 | PASS |
| Band26(814-824) | 5MHz  | 16QAM | 26765  | 25RB#0  | 6.37 | 13 | PASS |
| Band26(814-824) | 10MHz | 16QAM | 26740  | 1RB#0   | 5.78 | 13 | PASS |
| Band26(814-824) | 10MHz | 16QAM | 26740  | 50RB#0  | 6.49 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26865  | 1RB#0   | 5.72 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26865  | 75RB#0  | 6.47 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26915  | 1RB#0   | 5.85 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26915  | 75RB#0  | 6.35 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26965  | 1RB#0   | 6.24 | 13 | PASS |
| Band26(824-849) | 15MHz | 16QAM | 26965  | 75RB#0  | 6.32 | 13 | PASS |
| Band41          | 20MHz | 16QAM | 39750  | 1RB#0   | 4.92 | 13 | PASS |
| Band41          | 20MHz | 16QAM | 39750  | 100RB#0 | 6.06 | 13 | PASS |
| Band41          | 20MHz | 16QAM | 40620  | 1RB#0   | 4.51 | 13 | PASS |
| Band41          | 20MHz | 16QAM | 40620  | 100RB#0 | 5.85 | 13 | PASS |
| Band41          | 20MHz | 16QAM | 41490  | 1RB#0   | 5.23 | 13 | PASS |
| Band41          | 20MHz | 16QAM | 41490  | 100RB#0 | 6.16 | 13 | PASS |
| Band66          | 20MHz | 16QAM | 132072 | 1RB#0   | 5.30 | 13 | PASS |
| Band66          | 20MHz | 16QAM | 132072 | 100RB#0 | 6.26 | 13 | PASS |
| Band66          | 20MHz | 16QAM | 132322 | 1RB#0   | 5.40 | 13 | PASS |
| Band66          | 20MHz | 16QAM | 132322 | 100RB#0 | 6.08 | 13 | PASS |
| Band66          | 20MHz | 16QAM | 132572 | 1RB#0   | 5.72 | 13 | PASS |
| Band66          | 20MHz | 16QAM | 132572 | 100RB#0 | 6.06 | 13 | PASS |
| Band71          | 20MHz | 16QAM | 133222 | 1RB#0   | 4.95 | 13 | PASS |
| Band71          | 20MHz | 16QAM | 133222 | 100RB#0 | 6.13 | 13 | PASS |
| Band71          | 20MHz | 16QAM | 133322 | 1RB#0   | 4.91 | 13 | PASS |
| Band71          | 20MHz | 16QAM | 133322 | 100RB#0 | 6.08 | 13 | PASS |
| Band71          | 20MHz | 16QAM | 133372 | 1RB#0   | 5.49 | 13 | PASS |

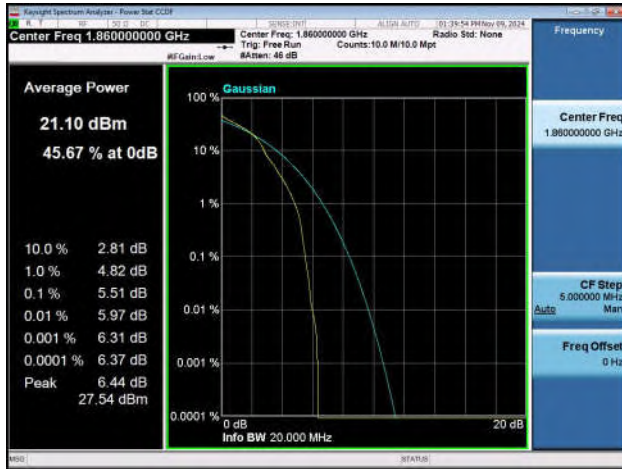




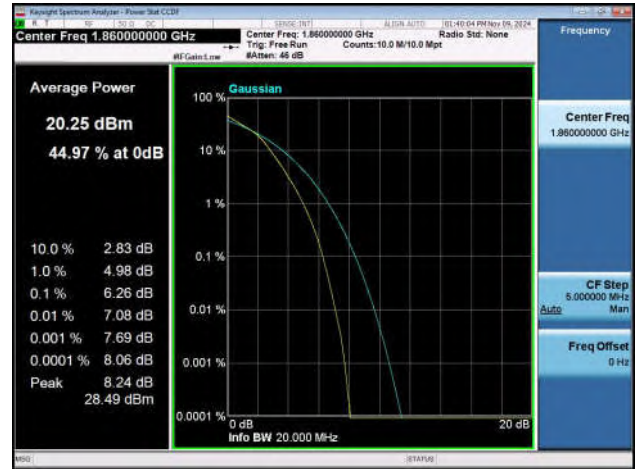
|        |       |       |        |         |      |    |      |
|--------|-------|-------|--------|---------|------|----|------|
| Band71 | 20MHz | 16QAM | 133372 | 100RB#0 | 6.03 | 13 | PASS |
|--------|-------|-------|--------|---------|------|----|------|

## Test Graphs

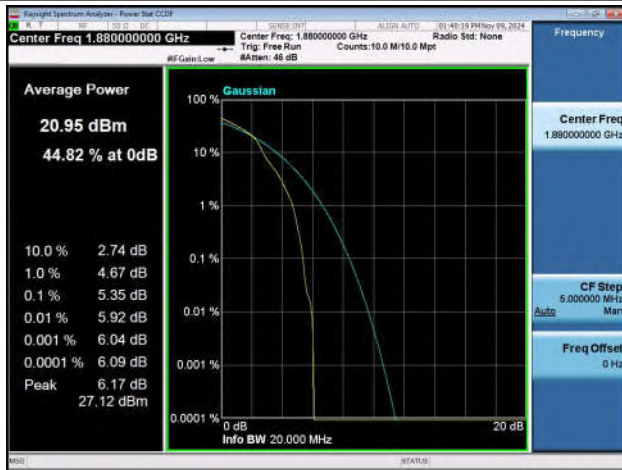
Band2-20MHz-16QAM-18700-1RB#0-PASS



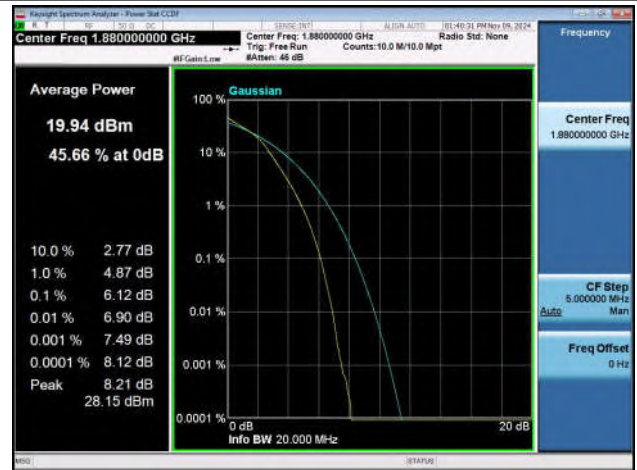
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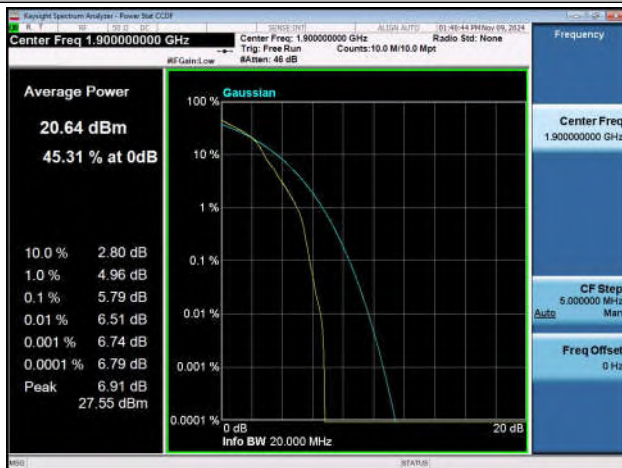
Band2-20MHz-16QAM-18900-1RB#0-PASS



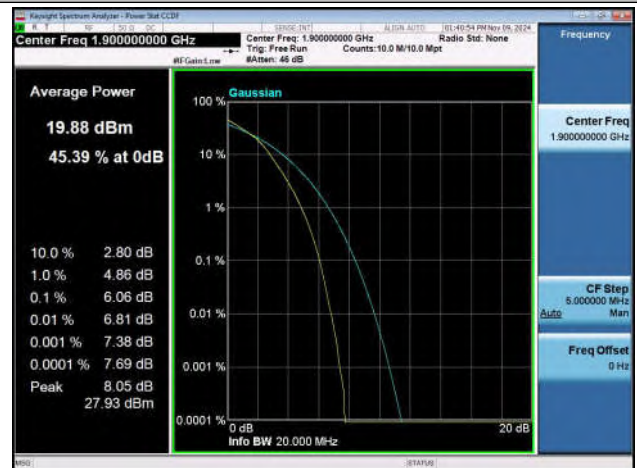
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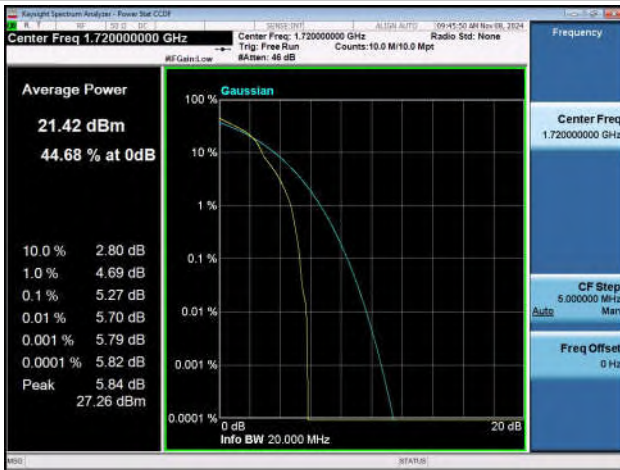
Band2-20MHz-16QAM-19100-1RB#0-PASS



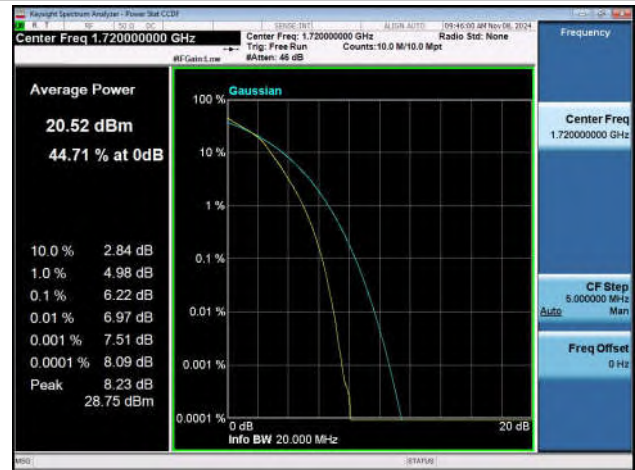
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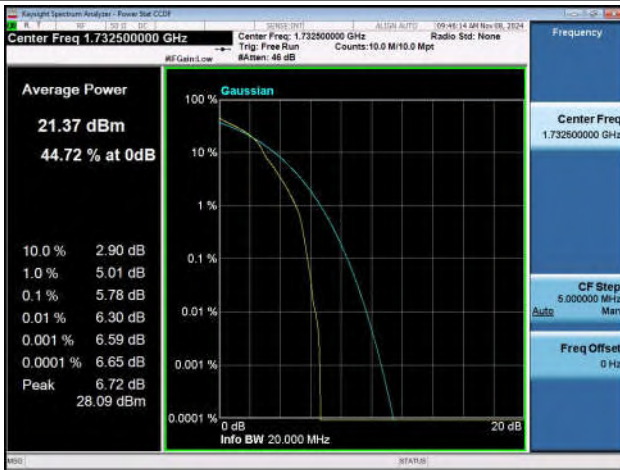
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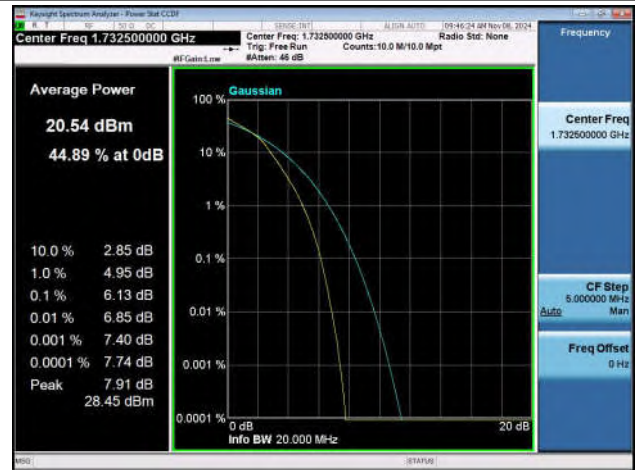
Band4-20MHz-16QAM-20050-100RB#0-PASS



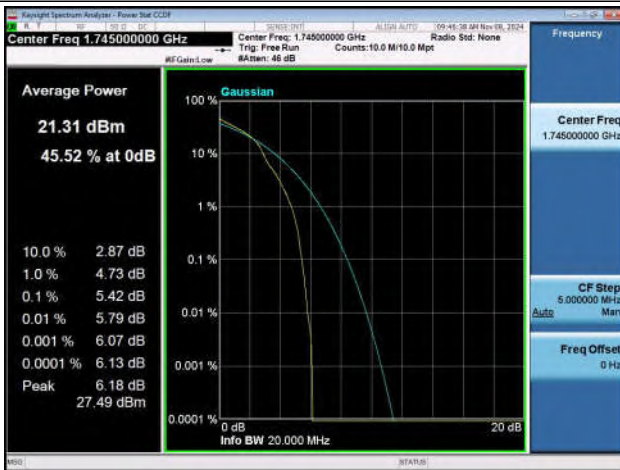
Band4-20MHz-16QAM-20175-1RB#0-PASS



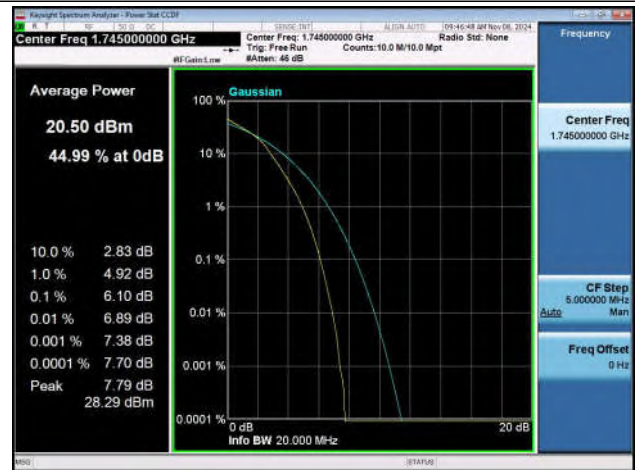
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Band4-20MHz-16QAM-20300-1RB#0-PASS

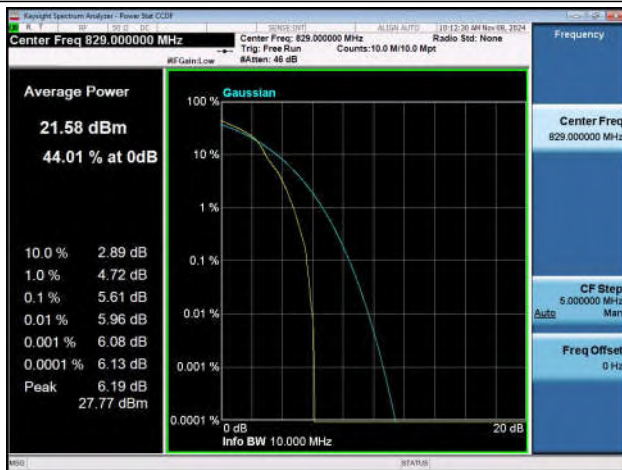


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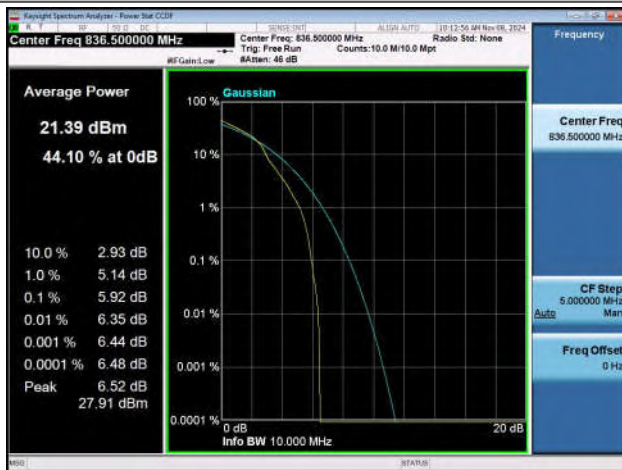
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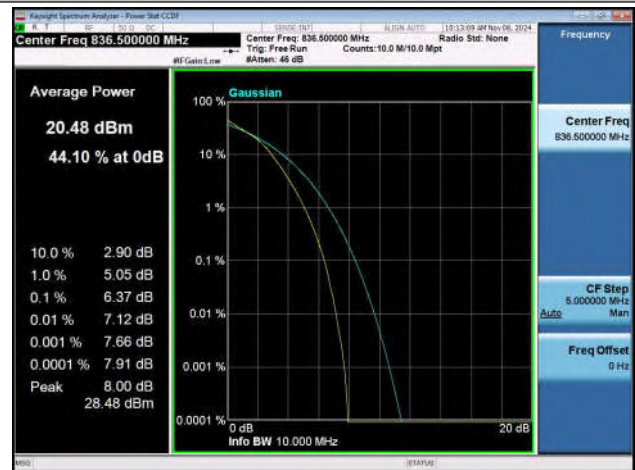
Band5-10MHz-16QAM-20450-50RB#0-PASS



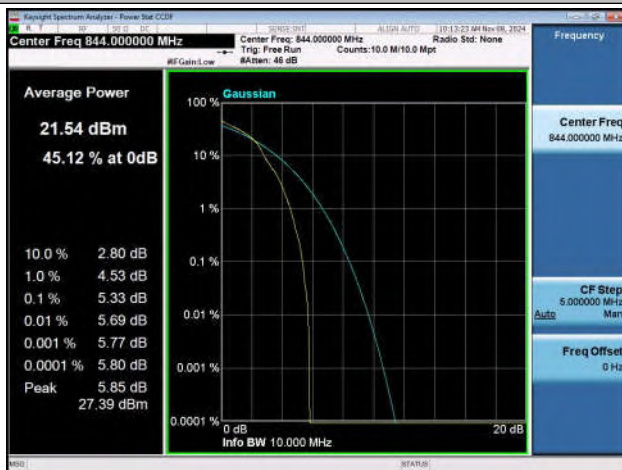
Band5-10MHz-16QAM-20525-1RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



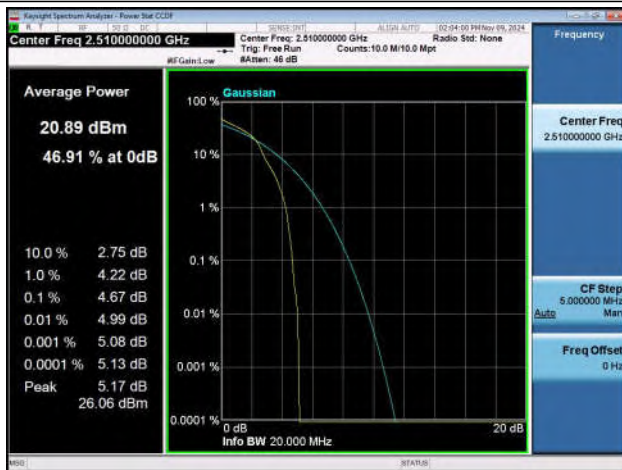
Band5-10MHz-16QAM-20600-1RB#0-PASS



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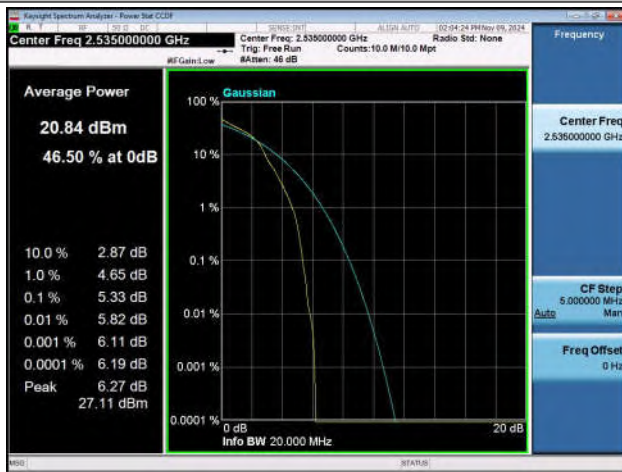
Band7-20MHz-16QAM-20850-1RB#0-PASS



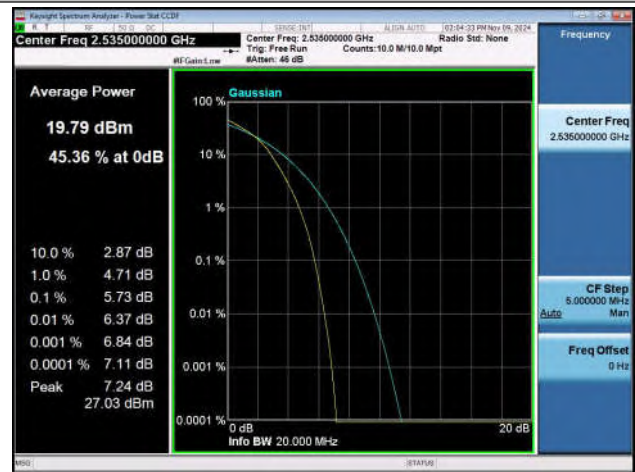
Band7-20MHz-16QAM-20850-100RB#0-PASS



Band7-20MHz-16QAM-21100-1RB#0-PASS



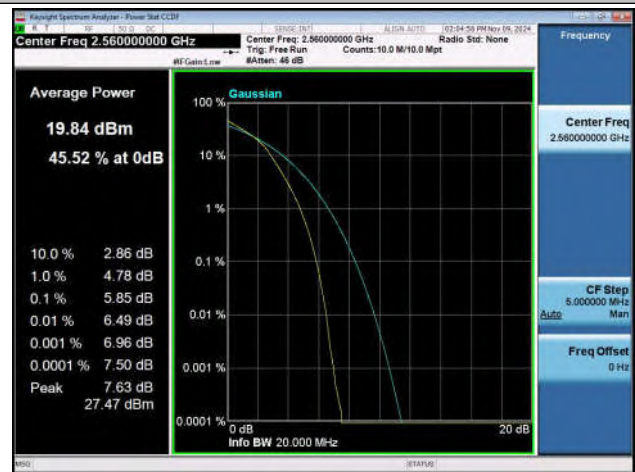
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Band7-20MHz-16QAM-21350-1RB#0-PASS

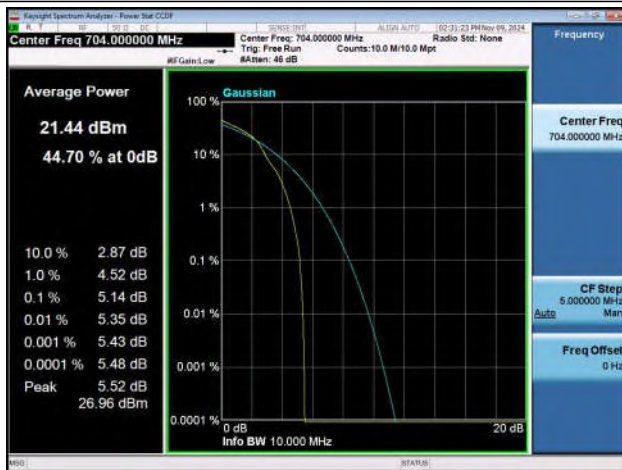


Band7-20MHz-16QAM-21350-100RB#0-PASS





Band12-10MHz-16QAM-23060-1RB#0-PASS



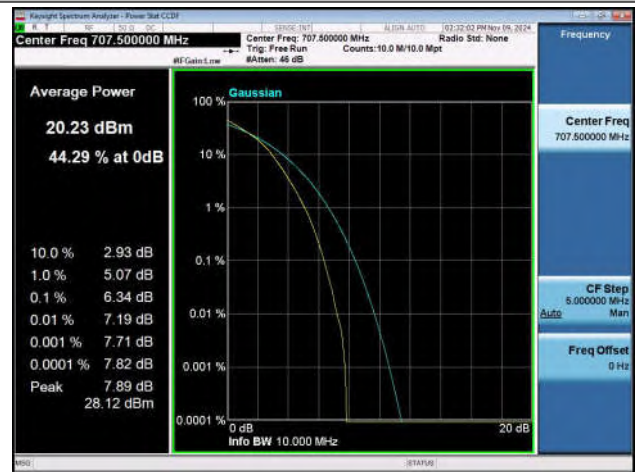
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Band12-10MHz-16QAM-23095-1RB#0-PASS



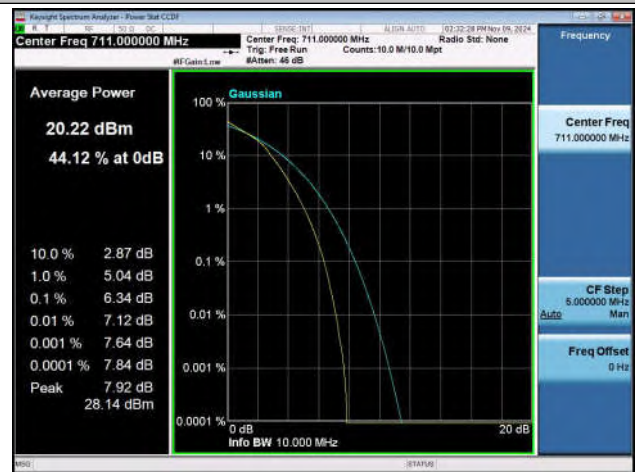
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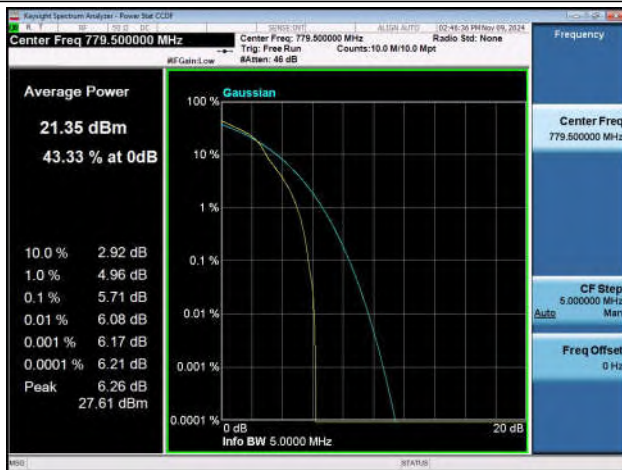
Band12-10MHz-16QAM-23130-1RB#0-PASS



Band12-10MHz-16QAM-23130-50RB#0-PASS



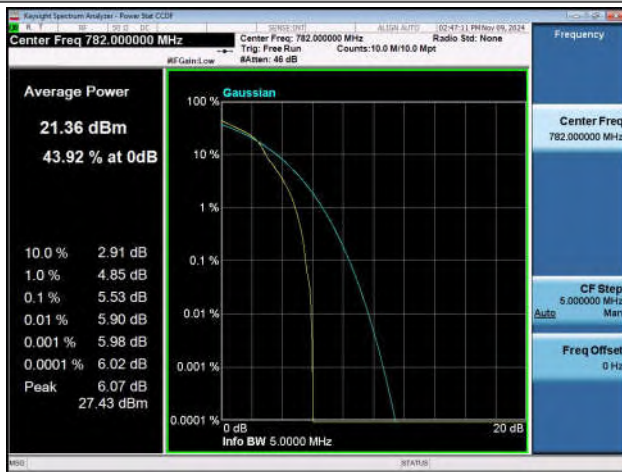
Band13-5MHz-16QAM-23205-1RB#0-PASS



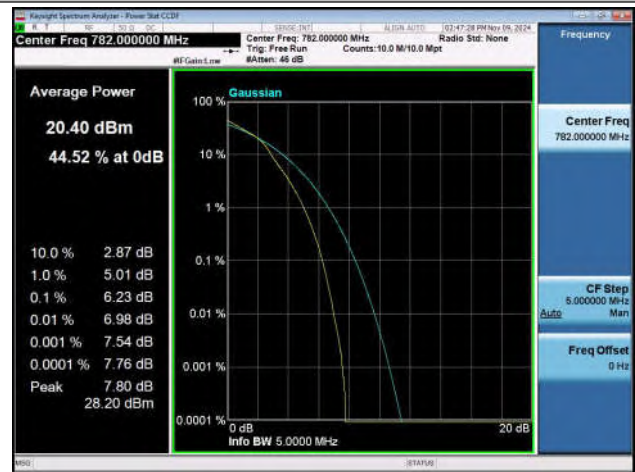
Band13-5MHz-16QAM-23205-25RB#0-PASS



Band13-5MHz-16QAM-23230-1RB#0-PASS



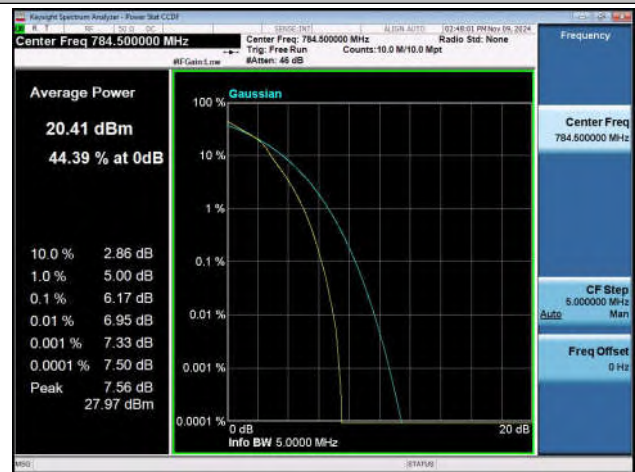
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Band13-5MHz-16QAM-23255-1RB#0-PASS

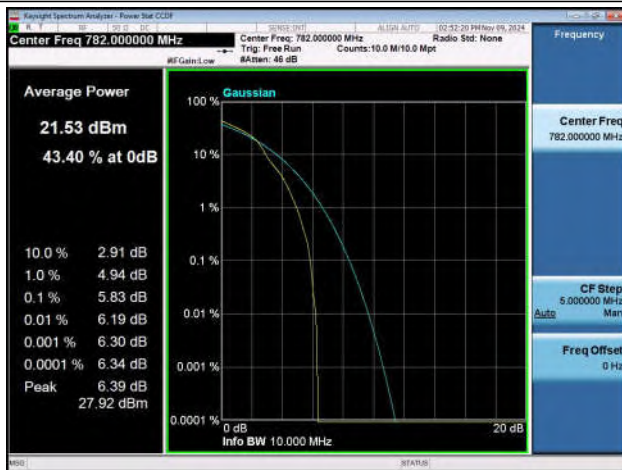


Band13-5MHz-16QAM-23255-25RB#0-PASS





Band13-10MHz-16QAM-23230-1RB#0-PASS



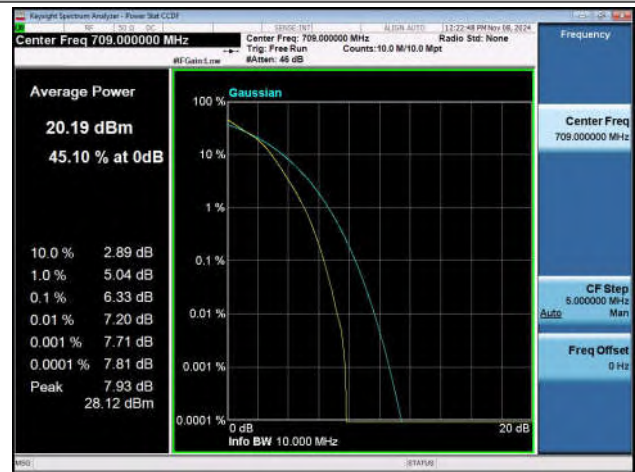
Band13-10MHz-16QAM-23230-50RB#0-PASS



Band17-10MHz-16QAM-23780-1RB#0-PASS



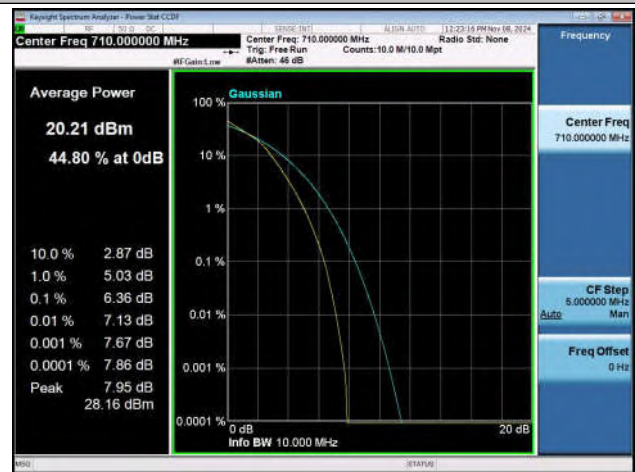
Band17-10MHz-16QAM-23780-50RB#0-PASS



Band17-10MHz-16QAM-23790-1RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS





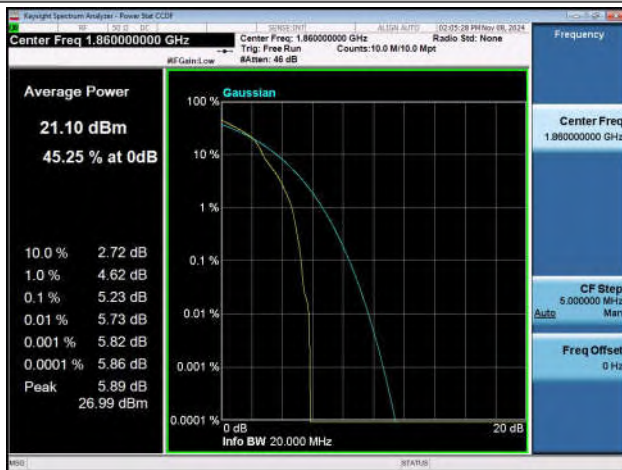
Band17-10MHz-16QAM-23800-1RB#0-PASS



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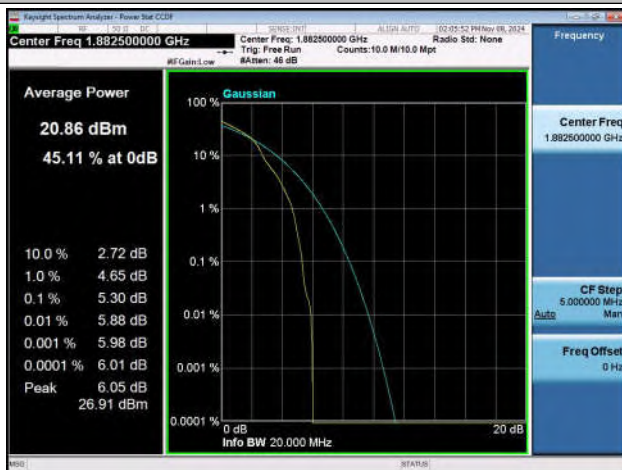
Band25-20MHz-16QAM-26140-1RB#0-PASS



Band25-20MHz-16QAM-26140-100RB#0-PASS



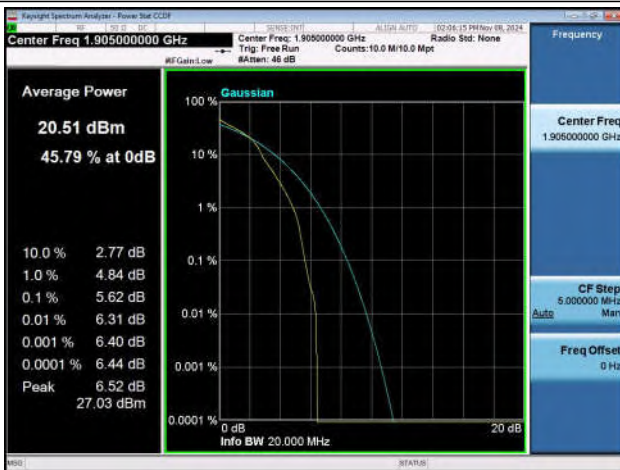
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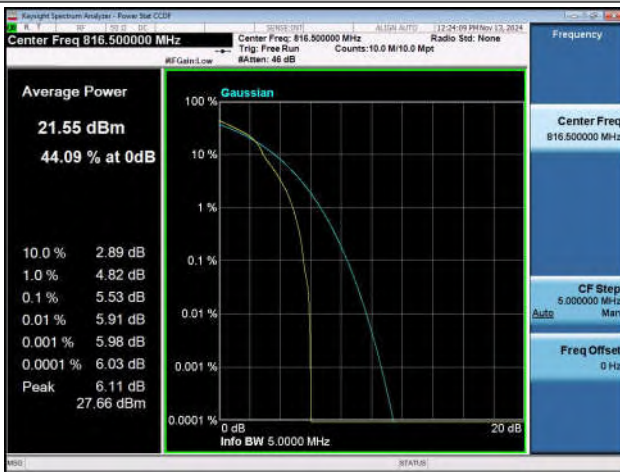
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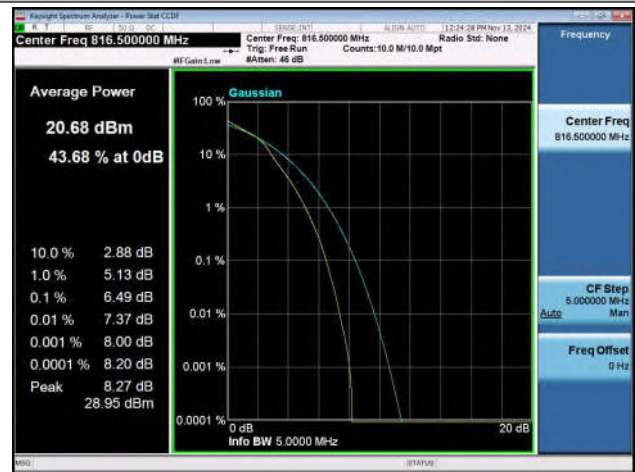
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Band26(814-824)-5MHz-16QAM-26715-1RB#0-PASS



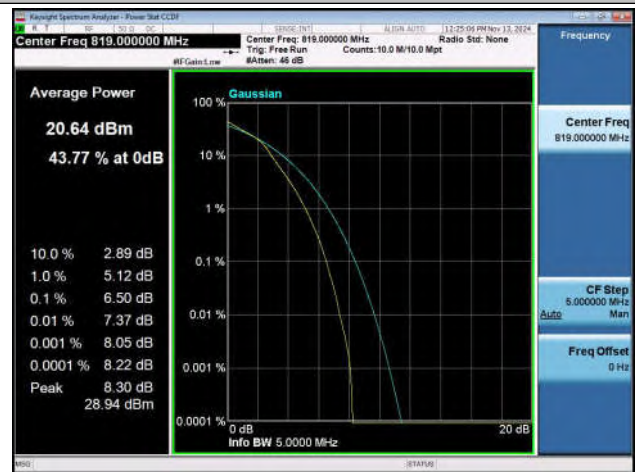
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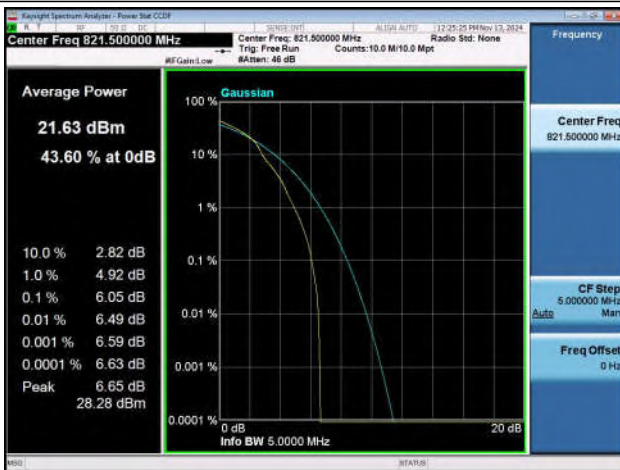


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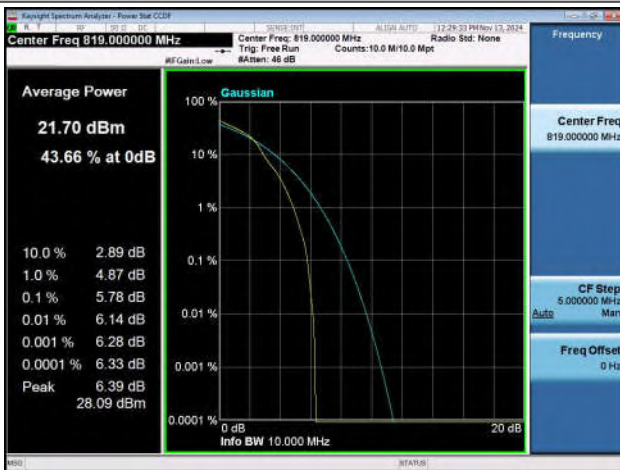
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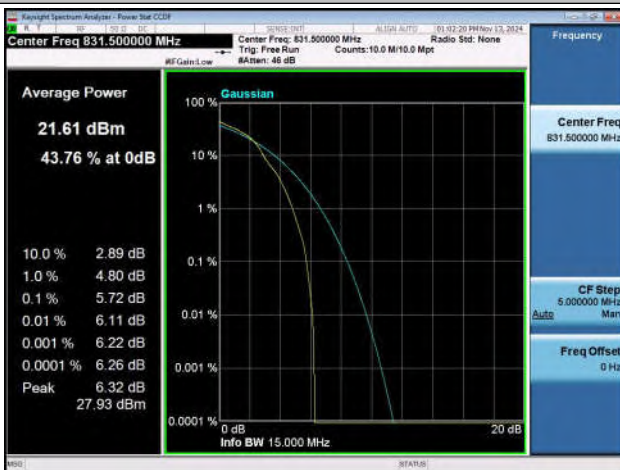
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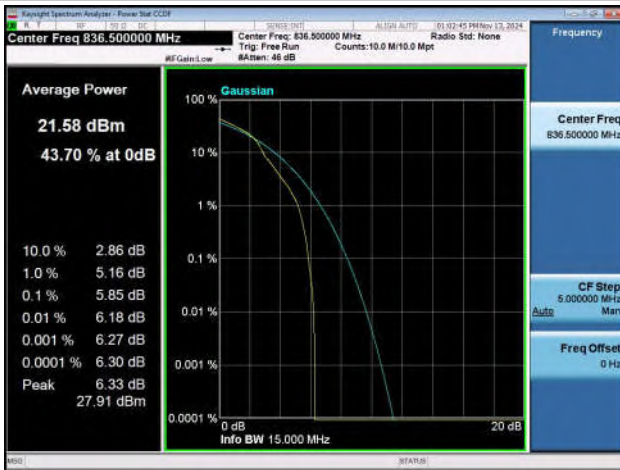
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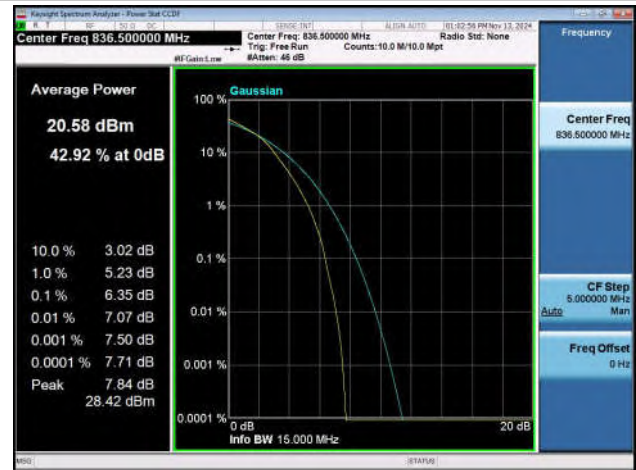
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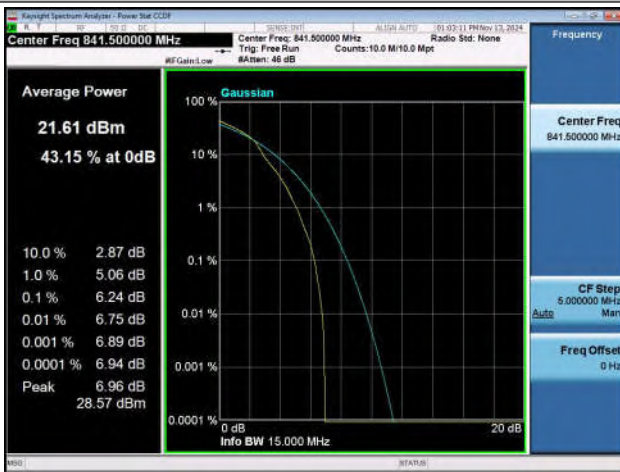
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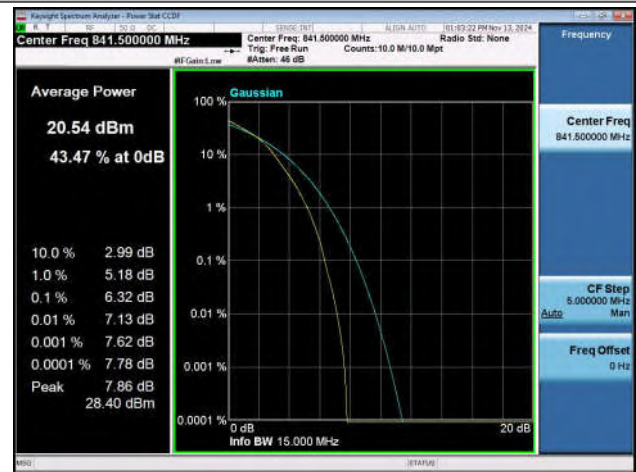
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Band26(824-849)-15MHz-16QAM-26965-1RB#0-PASS



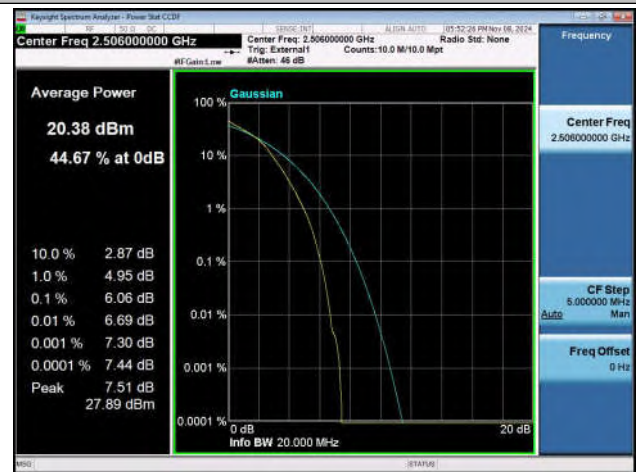
Band26(824-849)-15MHz-16QAM-26965-75RB#0-PASS



Band41-20MHz-16QAM-39750-1RB#0-PASS

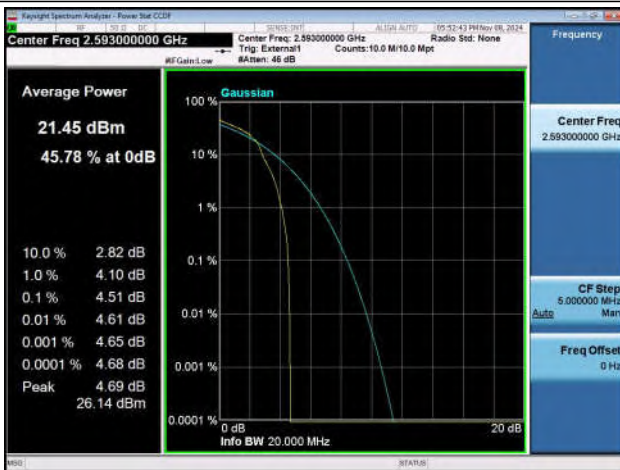


Band41-20MHz-16QAM-39750-100RB#0-PASS

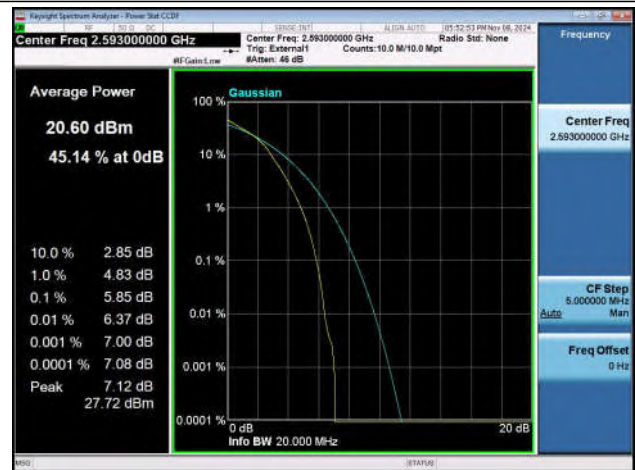




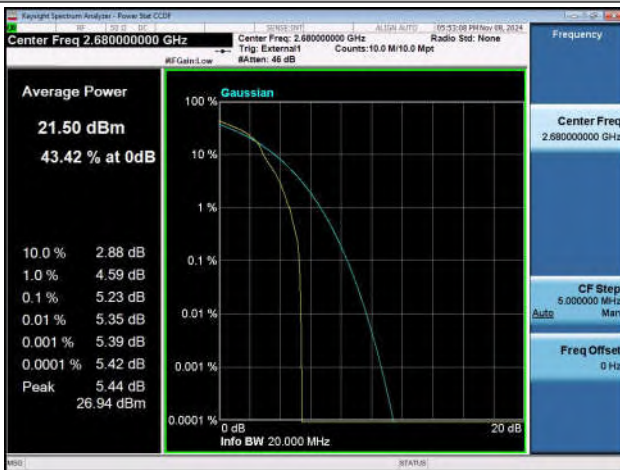
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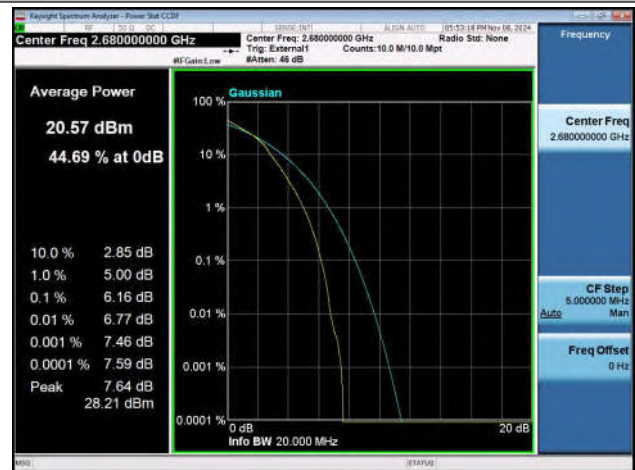
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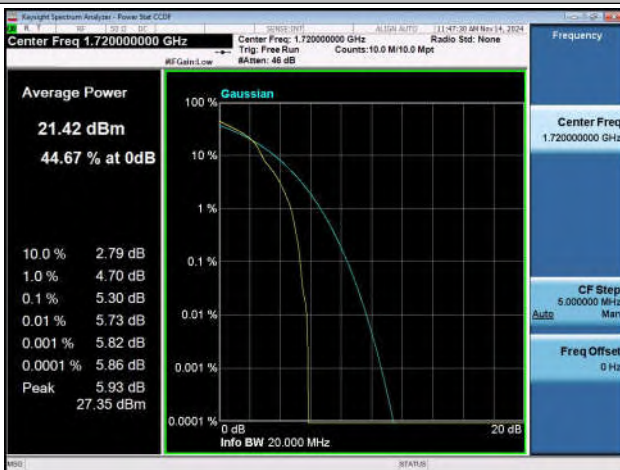
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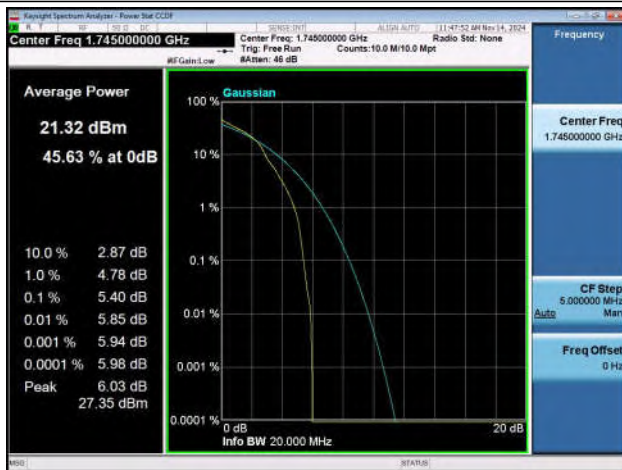
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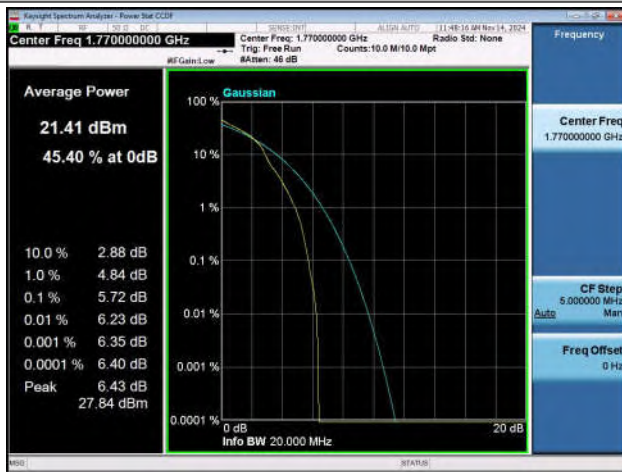
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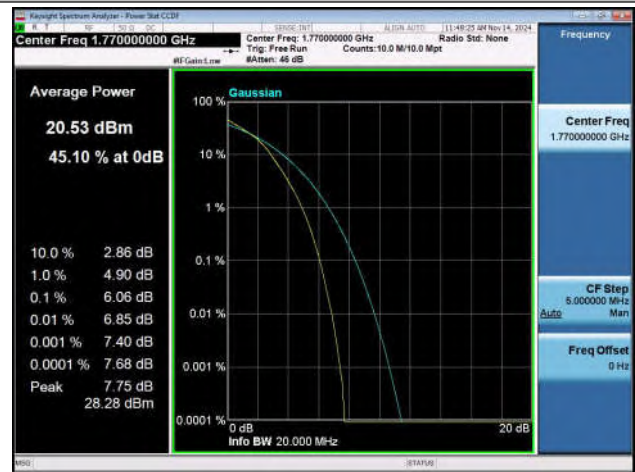
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Band66-20MHz-16QAM-132572-1RB#0-PASS



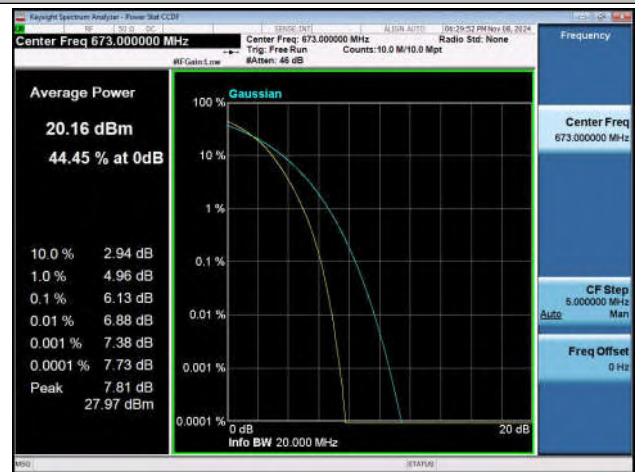
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Band71-20MHz-16QAM-133222-1RB#0-PASS

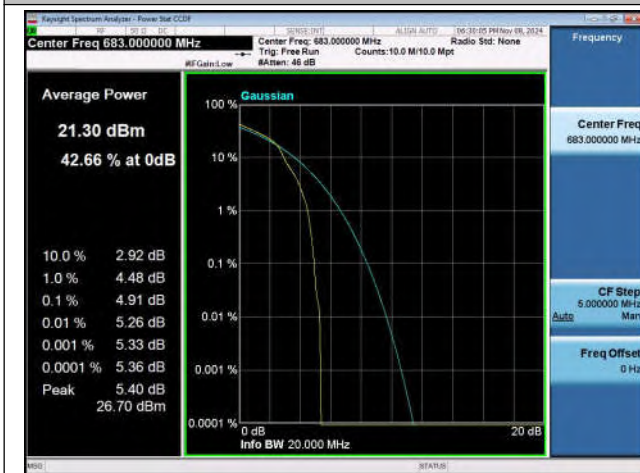


Band71-20MHz-16QAM-133222-100RB#0-PASS





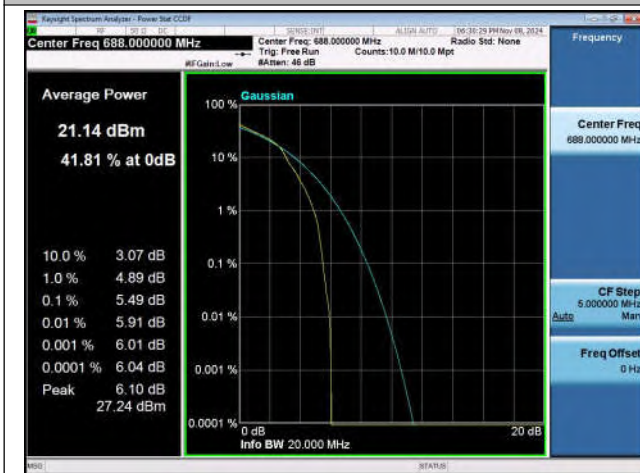
Band71-20MHz-16QAM-133322-1RB#0-PASS



Band71-20MHz-16QAM-133322-100RB#0-PASS



Band71-20MHz-16QAM-133372-1RB#0-PASS



Band71-20MHz-16QAM-133372-100RB#0-PASS



## 26dB Emission Bandwidth and 99% Occupied Bandwidth

### Test Result and Data

| Band  | Bandwidth | Modulation | Channel | RB Configuration | 26dB EBW (MHz) | 99% OBW (MHz) | Verdict |
|-------|-----------|------------|---------|------------------|----------------|---------------|---------|
| Band2 | 1.4MHz    | QPSK       | 18900   | 6RB#0            | 1.292          | 1.0925        | PASS    |
| Band2 | 1.4MHz    | 16QAM      | 18900   | 6RB#0            | 1.310          | 1.0974        | PASS    |
| Band2 | 3MHz      | QPSK       | 18900   | 15RB#0           | 2.858          | 2.6801        | PASS    |
| Band2 | 3MHz      | 16QAM      | 18900   | 15RB#0           | 2.863          | 2.6719        | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 4.942          | 4.4960        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 25RB#0           | 4.903          | 4.4859        | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 9.655          | 8.9469        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 50RB#0           | 9.505          | 8.9369        | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 14.70          | 13.472        | PASS    |
| Band2 | 15MHz     | 16QAM      | 18900   | 75RB#0           | 14.61          | 13.458        | PASS    |
| Band2 | 20MHz     | QPSK       | 18900   | 100RB#0          | 19.17          | 17.899        | PASS    |
| Band2 | 20MHz     | 16QAM      | 18900   | 100RB#0          | 19.17          | 17.902        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 1.302          | 1.0901        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 1.298          | 1.0958        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 2.864          | 2.6787        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 2.873          | 2.6702        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 4.933          | 4.4939        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 4.907          | 4.4871        | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 50RB#0           | 9.617          | 8.9415        | PASS    |
| Band4 | 10MHz     | 16QAM      | 20175   | 50RB#0           | 9.466          | 8.9447        | PASS    |
| Band4 | 15MHz     | QPSK       | 20175   | 75RB#0           | 14.64          | 13.482        | PASS    |
| Band4 | 15MHz     | 16QAM      | 20175   | 75RB#0           | 14.67          | 13.490        | PASS    |
| Band4 | 20MHz     | QPSK       | 20175   | 100RB#0          | 19.25          | 17.920        | PASS    |
| Band4 | 20MHz     | 16QAM      | 20175   | 100RB#0          | 19.31          | 17.907        | PASS    |
| Band5 | 1.4MHz    | QPSK       | 20525   | 6RB#0            | 1.292          | 1.0917        | PASS    |
| Band5 | 1.4MHz    | 16QAM      | 20525   | 6RB#0            | 1.309          | 1.0962        | PASS    |
| Band5 | 3MHz      | QPSK       | 20525   | 15RB#0           | 2.855          | 2.6806        | PASS    |
| Band5 | 3MHz      | 16QAM      | 20525   | 15RB#0           | 2.854          | 2.6720        | PASS    |
| Band5 | 5MHz      | QPSK       | 20525   | 25RB#0           | 4.944          | 4.5010        | PASS    |
| Band5 | 5MHz      | 16QAM      | 20525   | 25RB#0           | 4.900          | 4.4880        | PASS    |
| Band5 | 10MHz     | QPSK       | 20525   | 50RB#0           | 9.535          | 8.9529        | PASS    |
| Band5 | 10MHz     | 16QAM      | 20525   | 50RB#0           | 9.744          | 8.9533        | PASS    |
| Band7 | 5MHz      | QPSK       | 21100   | 25RB#0           | 4.965          | 4.4989        | PASS    |
| Band7 | 5MHz      | 16QAM      | 21100   | 25RB#0           | 4.928          | 4.4886        | PASS    |
| Band7 | 10MHz     | QPSK       | 21100   | 50RB#0           | 9.601          | 8.9416        | PASS    |
| Band7 | 10MHz     | 16QAM      | 21100   | 50RB#0           | 9.560          | 8.9415        | PASS    |
| Band7 | 15MHz     | QPSK       | 21100   | 75RB#0           | 14.69          | 13.486        | PASS    |





|                 |        |       |       |         |       |        |      |
|-----------------|--------|-------|-------|---------|-------|--------|------|
| Band7           | 15MHz  | 16QAM | 21100 | 75RB#0  | 14.57 | 13.465 | PASS |
| Band7           | 20MHz  | QPSK  | 21100 | 100RB#0 | 19.18 | 17.884 | PASS |
| Band7           | 20MHz  | 16QAM | 21100 | 100RB#0 | 19.13 | 17.919 | PASS |
| Band12          | 1.4MHz | QPSK  | 23095 | 6RB#0   | 1.286 | 1.0909 | PASS |
| Band12          | 1.4MHz | 16QAM | 23095 | 6RB#0   | 1.302 | 1.0962 | PASS |
| Band12          | 3MHz   | QPSK  | 23095 | 15RB#0  | 2.852 | 2.6757 | PASS |
| Band12          | 3MHz   | 16QAM | 23095 | 15RB#0  | 2.861 | 2.6721 | PASS |
| Band12          | 5MHz   | QPSK  | 23095 | 25RB#0  | 5.170 | 4.5197 | PASS |
| Band12          | 5MHz   | 16QAM | 23095 | 25RB#0  | 5.143 | 4.5152 | PASS |
| Band12          | 10MHz  | QPSK  | 23095 | 50RB#0  | 9.830 | 8.9309 | PASS |
| Band12          | 10MHz  | 16QAM | 23095 | 50RB#0  | 9.566 | 8.9327 | PASS |
| Band13          | 5MHz   | QPSK  | 23230 | 25RB#0  | 5.194 | 4.5163 | PASS |
| Band13          | 5MHz   | 16QAM | 23230 | 25RB#0  | 5.122 | 4.5182 | PASS |
| Band13          | 10MHz  | QPSK  | 23230 | 50RB#0  | 9.840 | 8.9572 | PASS |
| Band13          | 10MHz  | 16QAM | 23230 | 50RB#0  | 9.737 | 8.9482 | PASS |
| Band17          | 5MHz   | QPSK  | 23790 | 25RB#0  | 5.192 | 4.5143 | PASS |
| Band17          | 5MHz   | 16QAM | 23790 | 25RB#0  | 5.087 | 4.5129 | PASS |
| Band17          | 10MHz  | QPSK  | 23790 | 50RB#0  | 9.872 | 8.9364 | PASS |
| Band17          | 10MHz  | 16QAM | 23790 | 50RB#0  | 9.692 | 8.9295 | PASS |
| Band25          | 1.4MHz | QPSK  | 26365 | 6RB#0   | 1.291 | 1.0931 | PASS |
| Band25          | 1.4MHz | 16QAM | 26365 | 6RB#0   | 1.306 | 1.0996 | PASS |
| Band25          | 3MHz   | QPSK  | 26365 | 15RB#0  | 2.860 | 2.6780 | PASS |
| Band25          | 3MHz   | 16QAM | 26365 | 15RB#0  | 2.863 | 2.6760 | PASS |
| Band25          | 5MHz   | QPSK  | 26365 | 25RB#0  | 5.202 | 4.5217 | PASS |
| Band25          | 5MHz   | 16QAM | 26365 | 25RB#0  | 5.152 | 4.5170 | PASS |
| Band25          | 10MHz  | QPSK  | 26365 | 50RB#0  | 9.939 | 8.9620 | PASS |
| Band25          | 10MHz  | 16QAM | 26365 | 50RB#0  | 9.785 | 8.9409 | PASS |
| Band25          | 15MHz  | QPSK  | 26365 | 75RB#0  | 15.15 | 13.544 | PASS |
| Band25          | 15MHz  | 16QAM | 26365 | 75RB#0  | 15.02 | 13.509 | PASS |
| Band25          | 20MHz  | QPSK  | 26365 | 100RB#0 | 19.58 | 17.906 | PASS |
| Band25          | 20MHz  | 16QAM | 26365 | 100RB#0 | 19.57 | 17.955 | PASS |
| Band26(814-824) | 1.4MHz | QPSK  | 26740 | 6RB#0   | 1.284 | 1.0911 | PASS |
| Band26(814-824) | 1.4MHz | 16QAM | 26740 | 6RB#0   | 1.317 | 1.0972 | PASS |
| Band26(814-824) | 3MHz   | QPSK  | 26740 | 15RB#0  | 2.862 | 2.6830 | PASS |
| Band26(814-824) | 3MHz   | 16QAM | 26740 | 15RB#0  | 2.855 | 2.6773 | PASS |
| Band26(814-824) | 5MHz   | QPSK  | 26740 | 25RB#0  | 4.951 | 4.5003 | PASS |
| Band26(814-824) | 5MHz   | 16QAM | 26740 | 25RB#0  | 4.908 | 4.4913 | PASS |
| Band26(814-824) | 10MHz  | QPSK  | 26740 | 50RB#0  | 9.614 | 8.9590 | PASS |
| Band26(814-824) | 10MHz  | 16QAM | 26740 | 50RB#0  | 9.422 | 8.9646 | PASS |
| Band26(824-849) | 1.4MHz | QPSK  | 26915 | 6RB#0   | 1.281 | 1.0884 | PASS |
| Band26(824-849) | 1.4MHz | 16QAM | 26915 | 6RB#0   | 1.305 | 1.0967 | PASS |
| Band26(824-849) | 3MHz   | QPSK  | 26915 | 15RB#0  | 2.856 | 2.6772 | PASS |
| Band26(824-849) | 3MHz   | 16QAM | 26915 | 15RB#0  | 2.866 | 2.6728 | PASS |



|                 |        |       |        |         |       |        |      |
|-----------------|--------|-------|--------|---------|-------|--------|------|
| Band26(824-849) | 5MHz   | QPSK  | 26915  | 25RB#0  | 4.941 | 4.4960 | PASS |
| Band26(824-849) | 5MHz   | 16QAM | 26915  | 25RB#0  | 4.909 | 4.4855 | PASS |
| Band26(824-849) | 10MHz  | QPSK  | 26915  | 50RB#0  | 9.592 | 8.9508 | PASS |
| Band26(824-849) | 10MHz  | 16QAM | 26915  | 50RB#0  | 9.491 | 8.9355 | PASS |
| Band26(824-849) | 15MHz  | QPSK  | 26915  | 75RB#0  | 14.66 | 13.473 | PASS |
| Band26(824-849) | 15MHz  | 16QAM | 26915  | 75RB#0  | 15.07 | 13.462 | PASS |
| Band41          | 5MHz   | QPSK  | 40620  | 25RB#0  | 4.982 | 4.4949 | PASS |
| Band41          | 5MHz   | 16QAM | 40620  | 25RB#0  | 5.199 | 4.4929 | PASS |
| Band41          | 10MHz  | QPSK  | 40620  | 50RB#0  | 9.571 | 8.9559 | PASS |
| Band41          | 10MHz  | 16QAM | 40620  | 50RB#0  | 9.502 | 8.9395 | PASS |
| Band41          | 15MHz  | QPSK  | 40620  | 75RB#0  | 16.15 | 13.498 | PASS |
| Band41          | 15MHz  | 16QAM | 40620  | 75RB#0  | 15.62 | 13.479 | PASS |
| Band41          | 20MHz  | QPSK  | 40620  | 100RB#0 | 20.15 | 17.935 | PASS |
| Band41          | 20MHz  | 16QAM | 40620  | 100RB#0 | 19.39 | 17.884 | PASS |
| Band66          | 1.4MHz | QPSK  | 132322 | 6RB#0   | 1.275 | 1.0923 | PASS |
| Band66          | 1.4MHz | 16QAM | 132322 | 6RB#0   | 1.301 | 1.0978 | PASS |
| Band66          | 3MHz   | QPSK  | 132322 | 15RB#0  | 2.856 | 2.6794 | PASS |
| Band66          | 3MHz   | 16QAM | 132322 | 15RB#0  | 2.856 | 2.6701 | PASS |
| Band66          | 5MHz   | QPSK  | 132322 | 25RB#0  | 5.227 | 4.5181 | PASS |
| Band66          | 5MHz   | 16QAM | 132322 | 25RB#0  | 5.155 | 4.5196 | PASS |
| Band66          | 10MHz  | QPSK  | 132322 | 50RB#0  | 9.891 | 8.9595 | PASS |
| Band66          | 10MHz  | 16QAM | 132322 | 50RB#0  | 9.787 | 8.9428 | PASS |
| Band66          | 15MHz  | QPSK  | 132322 | 75RB#0  | 15.10 | 13.514 | PASS |
| Band66          | 15MHz  | 16QAM | 132322 | 75RB#0  | 14.99 | 13.489 | PASS |
| Band66          | 20MHz  | QPSK  | 132322 | 100RB#0 | 19.61 | 17.899 | PASS |
| Band66          | 20MHz  | 16QAM | 132322 | 100RB#0 | 19.56 | 17.957 | PASS |
| Band71          | 5MHz   | QPSK  | 133297 | 25RB#0  | 5.208 | 4.5276 | PASS |
| Band71          | 5MHz   | 16QAM | 133297 | 25RB#0  | 5.151 | 4.5250 | PASS |
| Band71          | 10MHz  | QPSK  | 133297 | 50RB#0  | 9.892 | 8.9874 | PASS |
| Band71          | 10MHz  | 16QAM | 133297 | 50RB#0  | 9.816 | 8.9695 | PASS |
| Band71          | 15MHz  | QPSK  | 133297 | 75RB#0  | 15.27 | 13.593 | PASS |
| Band71          | 15MHz  | 16QAM | 133297 | 75RB#0  | 15.11 | 13.566 | PASS |
| Band71          | 20MHz  | QPSK  | 133322 | 100RB#0 | 19.61 | 17.942 | PASS |
| Band71          | 20MHz  | 16QAM | 133322 | 100RB#0 | 19.57 | 17.911 | PASS |

## Test Graphs

Band2-1.4MHz-QPSK-18900-6RB#0-PASS



Band2-1.4MHz-16QAM-18900-6RB#0-PASS



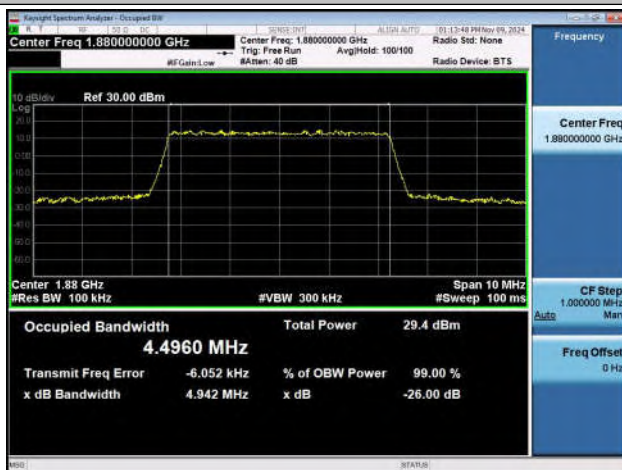
Band2-3MHz-QPSK-18900-15RB#0-PASS



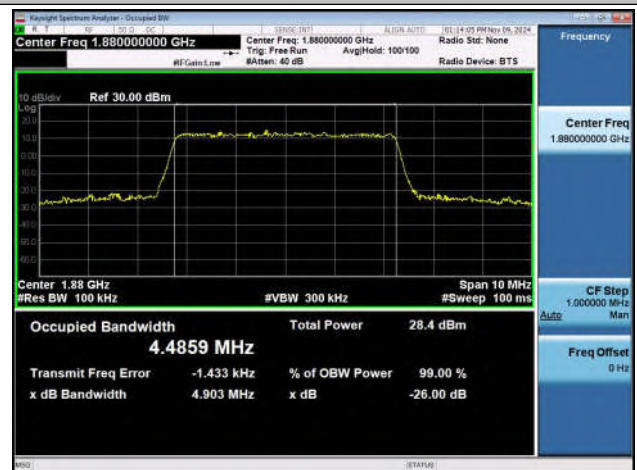
Band2-3MHz-16QAM-18900-15RB#0-PASS



Band2-5MHz-QPSK-18900-25RB#0-PASS



Band2-5MHz-16QAM-18900-25RB#0-PASS





Band2-10MHz-QPSK-18900-50RB#0-PASS



Band2-10MHz-16QAM-18900-50RB#0-PASS



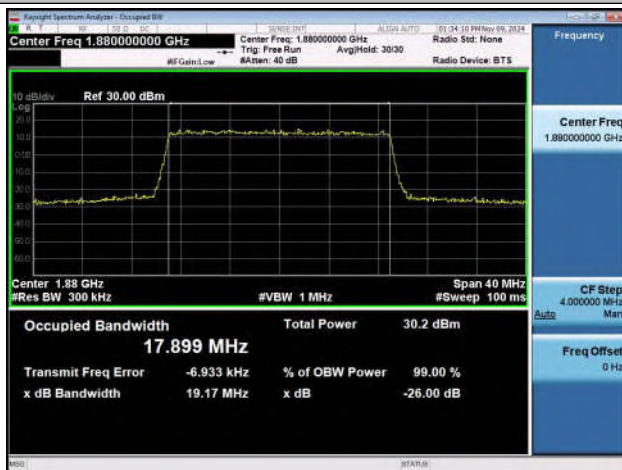
Band2-15MHz-QPSK-18900-75RB#0-PASS



Band2-15MHz-16QAM-18900-75RB#0-PASS



Band2-20MHz-QPSK-18900-100RB#0-PASS



Band2-20MHz-16QAM-18900-100RB#0-PASS



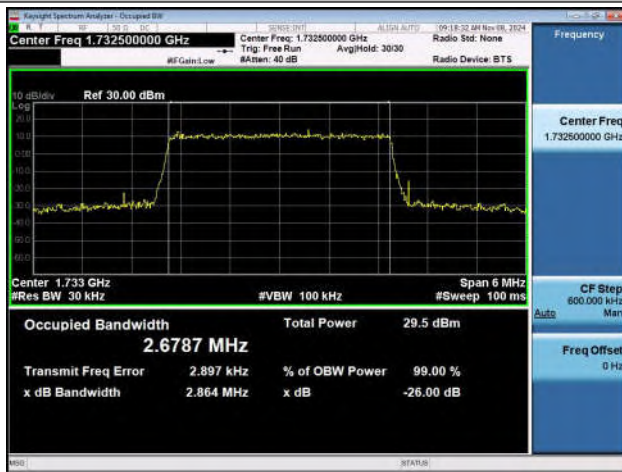
Band4-1.4MHz-QPSK-20175-6RB#0-PASS



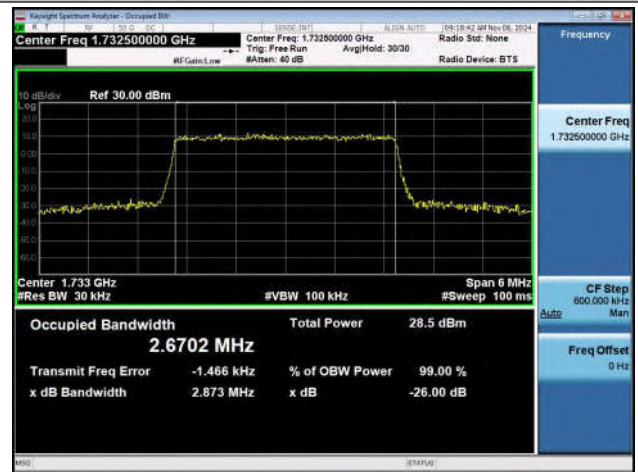
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Band4-3MHz-QPSK-20175-15RB#0-PASS



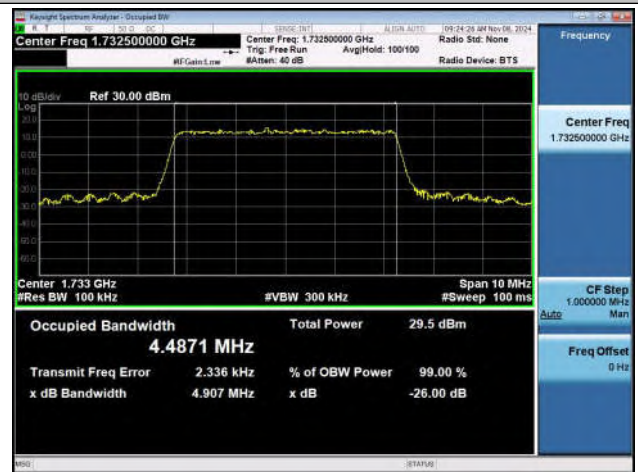
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Band4-5MHz-QPSK-20175-25RB#0-PASS



Band4-5MHz-16QAM-20175-25RB#0-PASS





Band4-10MHz-QPSK-20175-50RB#0-PASS



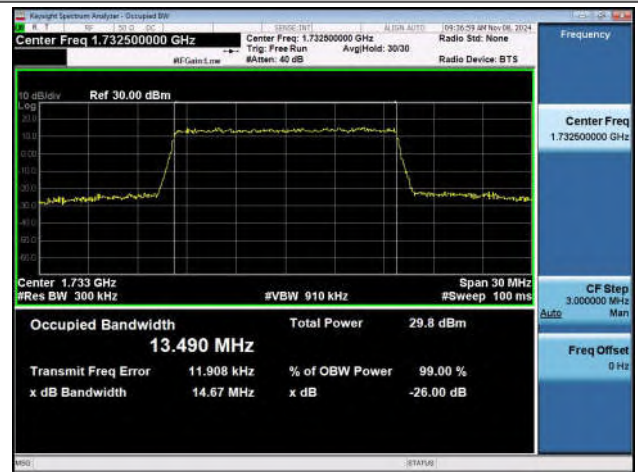
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Band4-15MHz-QPSK-20175-75RB#0-PASS



Band4-15MHz-16QAM-20175-75RB#0-PASS



Band4-20MHz-QPSK-20175-100RB#0-PASS



Band4-20MHz-16QAM-20175-100RB#0-PASS





Band5-1.4MHz-QPSK-20525-6RB#0-PASS



Band5-1.4MHz-16QAM-20525-6RB#0-PASS



Band5-3MHz-QPSK-20525-15RB#0-PASS



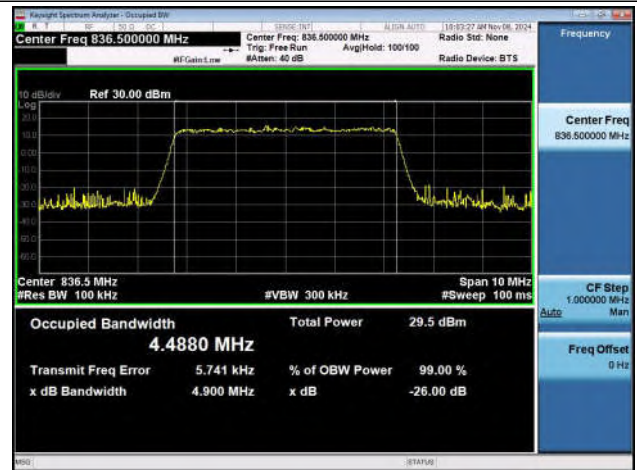
Band5-3MHz-16QAM-20525-15RB#0-PASS



Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS



Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



Band7-5MHz-QPSK-21100-25RB#0-PASS



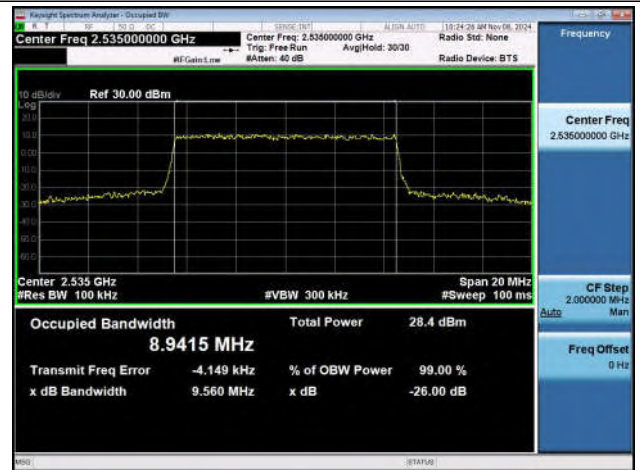
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Band7-10MHz-QPSK-21100-50RB#0-PASS



Band7-10MHz-16QAM-21100-50RB#0-PASS





Band7-15MHz-QPSK-21100-75RB#0-PASS



Band7-15MHz-16QAM-21100-75RB#0-PASS



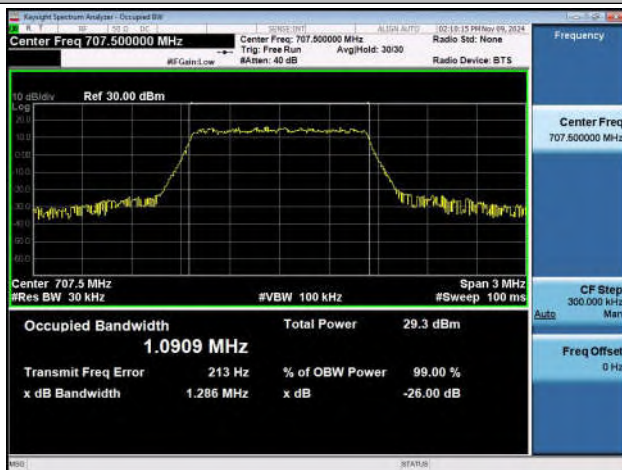
Band7-20MHz-QPSK-21100-100RB#0-PASS



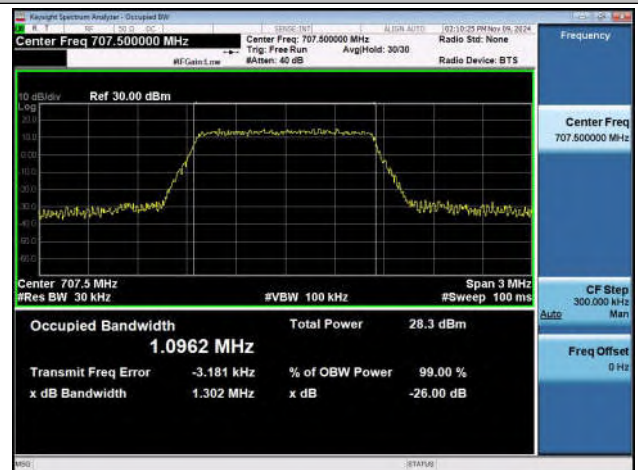
Band7-20MHz-16QAM-21100-100RB#0-PASS



Band12-1.4MHz-QPSK-23095-6RB#0-PASS



Band12-1.4MHz-16QAM-23095-6RB#0-PASS



Band12-3MHz-QPSK-23095-15RB#0-PASS



Band12-3MHz-16QAM-23095-15RB#0-PASS



Band12-5MHz-QPSK-23095-25RB#0-PASS



Band12-5MHz-16QAM-23095-25RB#0-PASS



Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-16QAM-23095-50RB#0-PASS

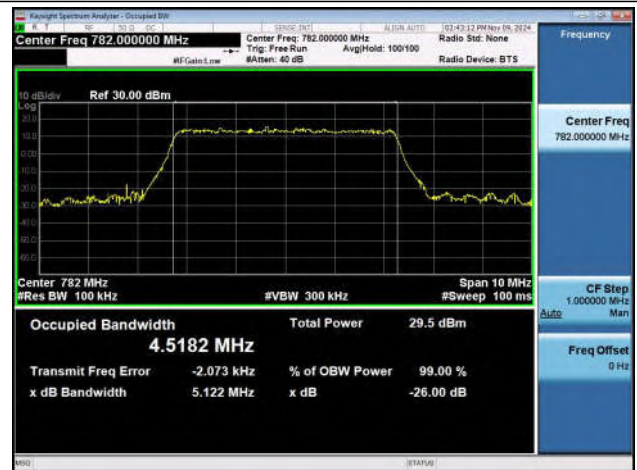




Band13-5MHz-QPSK-23230-25RB#0-PASS



Band13-5MHz-16QAM-23230-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-50RB#0-PASS



Band17-5MHz-QPSK-23790-25RB#0-PASS



Band17-5MHz-16QAM-23790-25RB#0-PASS



Band17-10MHz-QPSK-23790-50RB#0-PASS



Band17-10MHz-16QAM-23790-50RB#0-PASS



Band25-1.4MHz-QPSK-26365-6RB#0-PASS



Band25-1.4MHz-16QAM-26365-6RB#0-PASS



Band25-3MHz-QPSK-26365-15RB#0-PASS



Band25-3MHz-16QAM-26365-15RB#0-PASS

