



FCC RADIO TEST REPORT

FCC ID : 2AJN7-TP00128AUC
Equipment : Notebook Computer
Brand Name : Lenovo
Model Name : TP00128A
Applicant : LC Future Center Limited Taiwan Branch
7F., No. 780, Bei'an Rd., Zhongshan Dist.,
Taipei City 104, Taiwan
Manufacturer : LCFC (HeFei) Electronics Technology Co., Ltd.
No. 3188-1, Yungu Road (Hefei Export
Processing Zone), Hefei Economics &
Technology Development Area, Anhui, CHINA
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27

Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

The product was received on Nov. 06, 2020 and testing was started from Nov. 20, 2020 and completed on Nov. 23, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan



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History of this test report

| Report No. | Version | Description | Issued Date |
|------------|---------|-------------------------|---------------|
| FG0N0620B | 01 | Initial issue of report | Jan. 08, 2021 |
| FG0N0620B | 02 | Add power table | Feb. 23, 2021 |
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Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|---|--|--------------------|----------|
| 3.2 | §2.1046 | Conducted Output Power | Reporting only | - |
| | §22.913 (a)(2) | Effective Radiated Power (Band 5) (Band 26) | Pass | |
| | §27.50 (b)(10) §27.50 (c)(10) | Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71) | | |
| | §24.232 (c) §27.50 (h)(2) | Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41) | | |
| | §27.50 (d)(4) | Equivalent Isotropic Radiated Power (Band 4) (Band 66) | | |
| - | §24.232 (d) §27.50 (d)(5) | Peak-to-Average Ratio | - | See Note |
| - | §2.1049 | Occupied Bandwidth | - | See Note |
| - | §2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h) | Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | - | See Note |
| - | §2.1051 §27.53 (m)(4) | Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41) | | |
| - | §2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h) | Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | - | See Note |
| - | §2.1051 §27.53 (m)(4) | Conducted Spurious Emission (Band 7) (Band 38) (Band 41) | | |
| - | §2.1055 §22.355 §24.235 §27.54 | Frequency Stability Temperature & Voltage | - | See Note |



| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---------------|--|---|--------------------|--|
| 4.2 | §2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h) | Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) | Pass | Under limit 17.08 dB at 5371.000 MHz |
| | §2.1051 §27.53 (m)(4) | Radiated Spurious Emission (Band 7) (Band 38) (Band 41) | | |

Note: The module (Model: T99W175) makes no difference after verifying output power, this report reuses test data from the module report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Amy Chen



1 General Description

1.1 Product Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|-----------------------------------|
| Equipment | Notebook Computer |
| Brand Name | Lenovo |
| Model Name | TP00128A |
| FCC ID | 2AJN7-TP00128AUC |
| EUT supports Radios application | WCDMA/HSPA/LTE/5G NR/GNSS/NFC/UWB |
| EUT Stage | Production Unit |

Remark:

1. The above EUT's information was declared by manufacturer.
2. Equipment: Foxconn T99W175 tested inside of Lenovo Notebook Computer.

| WWAN Antenna Information | | | | |
|--------------------------|--------------|-----------------|-----------------|------|
| Main Antenna | Manufacturer | Amphenol | Peak gain (dBi) | 1.62 |
| | Part number | TKC114-16-000-C | Type | PIFA |
| MIMO 2 Antenna | Manufacturer | Amphenol | Peak gain (dBi) | 1.52 |
| | Part number | TKC113-16-000-C | Type | PIFA |

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. All test items were performed with Main Antenna.



1.2 Product Specification of Equipment Under Test

| Product Specification subjective to this standard | |
|---|--|
| Tx Frequency | LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25: 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz LTE Band 38 : 2572.5MHz ~ 2617.5MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz LTE Band 66 : 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5 MHz |
| Rx Frequency | LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5MHz ~ 2687.5 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25: 1930.7MHz ~ 1994.3 MHz LTE Band 26 : 869.7MHz ~ 893.3MHz LTE Band 38 : 2572.5MHz ~ 2617.5MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz LTE Band 66 : 2110.7 MHz ~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5 MHz |
| Bandwidth | LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71: 5MHz / 10MHz / 15MHz / 20MHz |
| Type of Modulation | QPSK / 16QAM / 64QAM / 256QAM |

1.3 Modification of EUT

No modifications are made to the EUT during all test items.



1.4 Testing Location

| | |
|---------------------------|---|
| Test Site | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan |
| Test Site No. | Sporton Site No. |
| | TH05-HY |
| Test Engineer | Jacky Wang |
| Temperature | 23~25°C |
| Relative Humidity | 52~55% |

| | |
|---------------------------|--|
| Test Site | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory |
| Test Site Location | No.58 , Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan |
| Test Site No. | Sporton Site No. |
| | 03CH12-HY |
| Test Engineer | Jack Cheng, Lance Chiang and Chuan Chu |
| Temperature | 22.3~26.4°C |
| Relative Humidity | 58~66% |

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW0007

1.5 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.



2 Test Configuration of Equipment Under Test

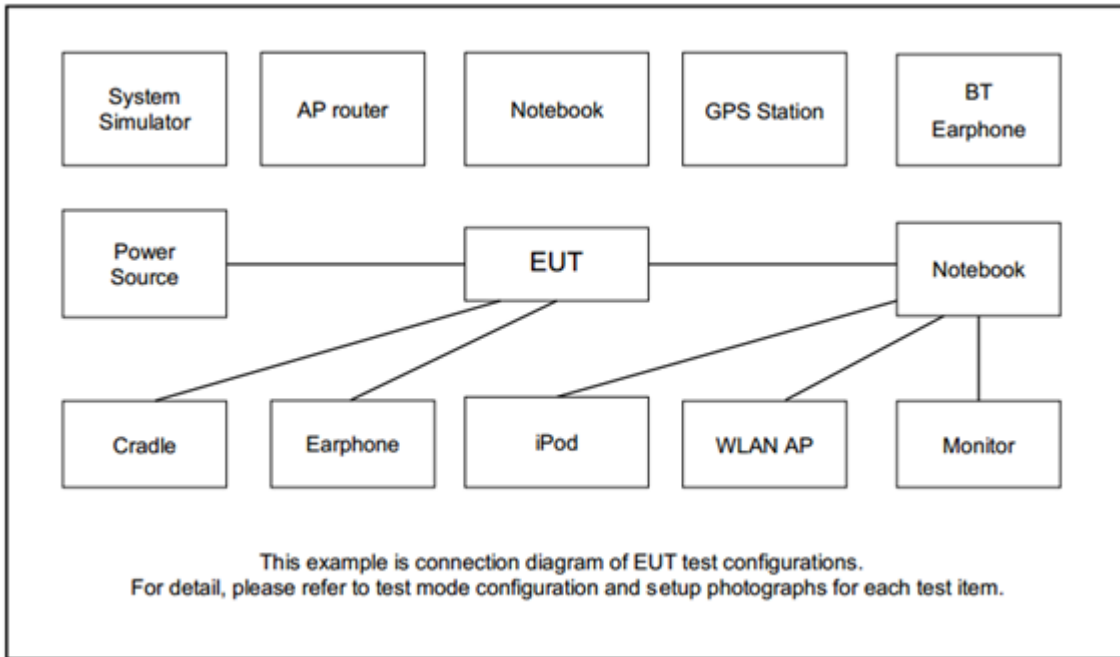
2.1 Test Mode

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.

For radiated measurement, pre-scanned in Tablet Type (three orthogonal panels, X, Y, Z) and Notebook Type. The worst cases (Notebook Type for Band 13 and Y Plane for Band 41_HPUE) were recorded in this report.

| Test Items | Band | Bandwidth (MHz) | | | | | | Modulation | | | | RB # | | | Test Channel | | |
|----------------------------|---|-----------------|---|---|----|----|----|------------|-------|-------|--------|------|------|------|--------------|---|---|
| | | 1.4 | 3 | 5 | 10 | 15 | 20 | QPSK | 16QAM | 64QAM | 256QAM | 1 | Half | Full | L | M | H |
| Max. Output Power | 2 | v | v | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| | 4 | v | v | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| | 5 | v | v | v | v | - | - | v | v | v | | v | v | v | v | v | v |
| | 7 | - | - | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| | 12 | v | v | v | v | - | - | v | v | v | | v | v | v | v | v | v |
| | 13 | - | - | v | v | - | - | v | v | v | | v | v | v | | v | |
| | 17 | - | - | v | v | - | - | v | v | v | | v | v | v | v | v | v |
| | 25 | v | v | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| | 26 | v | v | v | v | v | - | v | v | v | | v | v | v | v | v | v |
| | 38 | - | - | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| | 41 | - | - | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| | 66 | v | v | v | v | v | v | v | v | v | | v | v | v | v | v | v |
| 71 | - | - | v | v | v | v | v | v | v | | v | v | v | v | v | v | |
| Radiated Spurious Emission | 13 | - | - | v | | - | - | | | | v | v | | | v | v | v |
| | 41 | - | - | v | | | | | | | v | v | | | v | v | v |
| Remark | <ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. | | | | | | | | | | | | | | | | |

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|------------------|------------|-----------|--------------|-------------------|-------------------|
| 1. | System Simulator | Anritsu | MT8821C | N/A | N/A | Unshielded, 1.8 m |
| 2. | iPod Earphone | Apple | N/A | Verification | Unshielded, 1.0 m | N/A |



2.4 Frequency List of Low/Middle/High Channels

| LTE Band 2 Channel and Frequency List | | | | |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 18700 | 18900 | 19100 |
| | Frequency | 1860 | 1880 | 1900 |
| 15 | Channel | 18675 | 18900 | 19125 |
| | Frequency | 1857.5 | 1880 | 1902.5 |
| 10 | Channel | 18650 | 18900 | 19150 |
| | Frequency | 1855 | 1880 | 1905 |
| 5 | Channel | 18625 | 18900 | 19175 |
| | Frequency | 1852.5 | 1880 | 1907.5 |
| 3 | Channel | 18615 | 18900 | 19185 |
| | Frequency | 1851.5 | 1880 | 1908.5 |
| 1.4 | Channel | 18607 | 18900 | 19193 |
| | Frequency | 1850.7 | 1880 | 1909.3 |

| LTE Band 4 Channel and Frequency List | | | | |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 20050 | 20175 | 20300 |
| | Frequency | 1720 | 1732.5 | 1745 |
| 15 | Channel | 20025 | 20175 | 20325 |
| | Frequency | 1717.5 | 1732.5 | 1747.5 |
| 10 | Channel | 20000 | 20175 | 20350 |
| | Frequency | 1715 | 1732.5 | 1750 |
| 5 | Channel | 19975 | 20175 | 20375 |
| | Frequency | 1712.5 | 1732.5 | 1752.5 |
| 3 | Channel | 19965 | 20175 | 20385 |
| | Frequency | 1711.5 | 1732.5 | 1753.5 |
| 1.4 | Channel | 19957 | 20175 | 20393 |
| | Frequency | 1710.7 | 1732.5 | 1754.3 |



| LTE Band 5 Channel and Frequency List | | | | |
|--|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 20450 | 20525 | 20600 |
| | Frequency | 829 | 836.5 | 844 |
| 5 | Channel | 20425 | 20525 | 20625 |
| | Frequency | 826.5 | 836.5 | 846.5 |
| 3 | Channel | 20415 | 20525 | 20635 |
| | Frequency | 825.5 | 836.5 | 847.5 |
| 1.4 | Channel | 20407 | 20525 | 20643 |
| | Frequency | 824.7 | 836.5 | 848.3 |

| LTE Band 7 Channel and Frequency List | | | | |
|--|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 20850 | 21100 | 21350 |
| | Frequency | 2510 | 2535 | 2560 |
| 15 | Channel | 20825 | 21100 | 21375 |
| | Frequency | 2507.5 | 2535 | 2562.5 |
| 10 | Channel | 20800 | 21100 | 21400 |
| | Frequency | 2505 | 2535 | 2565 |
| 5 | Channel | 20775 | 21100 | 21425 |
| | Frequency | 2502.5 | 2535 | 2567.5 |

| LTE Band 12 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 23060 | 23095 | 23130 |
| | Frequency | 704 | 707.5 | 711 |
| 5 | Channel | 23035 | 23095 | 23155 |
| | Frequency | 701.5 | 707.5 | 713.5 |
| 3 | Channel | 23025 | 23095 | 23165 |
| | Frequency | 700.5 | 707.5 | 714.5 |
| 1.4 | Channel | 23017 | 23095 | 23173 |
| | Frequency | 699.7 | 707.5 | 715.3 |



| LTE Band 13 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 23230 | - |
| | Frequency | - | 782 | - |
| 5 | Channel | 23205 | 23230 | 23255 |
| | Frequency | 779.5 | 782 | 784.5 |
| LTE Band 17 Channel and Frequency List | | | | |
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | 23780 | 23790 | 23800 |
| | Frequency | 709 | 710 | 711 |
| 5 | Channel | 23755 | 23790 | 23825 |
| | Frequency | 706.5 | 710 | 713.5 |
| LTE Band 25 Channel and Frequency List | | | | |
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 26140 | 26340 | 26590 |
| | Frequency | 1860 | 1880 | 1905 |
| 15 | Channel | 26115 | 26340 | 26615 |
| | Frequency | 1857.5 | 1880 | 1907.5 |
| 10 | Channel | 26090 | 26340 | 26640 |
| | Frequency | 1855 | 1880 | 1910 |
| 5 | Channel | 26065 | 26340 | 26665 |
| | Frequency | 1852.5 | 1880 | 1912.5 |
| 3 | Channel | 26055 | 26340 | 26675 |
| | Frequency | 1851.5 | 1880 | 1913.5 |
| 1.4 | Channel | 26047 | 26340 | 26683 |
| | Frequency | 1850.7 | 1880 | 1914.3 |



| LTE Band 26 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15 | Channel | 26865 | 26915 | 26965 |
| | Frequency | 831.5 | 836.5 | 841.5 |
| 10 | Channel | 26840 | 26915 | 26990 |
| | Frequency | 829.0 | 836.5 | 844.0 |
| 5 | Channel | 26815 | 26915 | 27015 |
| | Frequency | 826.5 | 836.5 | 846.5 |
| 3 | Channel | 26805 | 26915 | 27025 |
| | Frequency | 825.5 | 836.5 | 847.5 |
| 1.4 | Channel | 26797 | 26915 | 27033 |
| | Frequency | 824.7 | 836.5 | 848.3 |

| LTE Band 38 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 37850 | 38000 | 38150 |
| | Frequency | 2580.0 | 2595.0 | 2610.0 |
| 15 | Channel | 37825 | 38000 | 38175 |
| | Frequency | 2577.5 | 2595.0 | 2612.5 |
| 10 | Channel | 37800 | 38000 | 38200 |
| | Frequency | 2575.0 | 2595.0 | 2615.0 |
| 5 | Channel | 37775 | 38000 | 38225 |
| | Frequency | 2572.5 | 2595.0 | 2617.5 |

| LTE Band 41 Channel and Frequency List | | | | |
|---|-------------------------------|---------------|---------------|----------------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 39750 | 40620 | 41490 |
| | Frequency | 2506.0 | 2593.0 | 2680.0 |
| 15 | Channel | 39725 | 40620 | 41515 |
| | Frequency | 2503.5 | 2593.0 | 2682.5 |
| 10 | Channel | 39700 | 40620 | 41540 |
| | Frequency | 2501.0 | 2593.0 | 2685.0 |
| 5 | Channel | 39675 | 40620 | 41565 |
| | Frequency | 2498.5 | 2593.0 | 2687.5 |



| LTE Band 66 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 132072 | 132322 | 132572 |
| | Frequency | 1720 | 1745 | 1770 |
| 15 | Channel | 132047 | 132322 | 132597 |
| | Frequency | 1717.5 | 1745 | 1772.5 |
| 10 | Channel | 132022 | 132322 | 132622 |
| | Frequency | 1715 | 1745 | 1775 |
| 5 | Channel | 131997 | 132322 | 132647 |
| | Frequency | 1712.5 | 1745 | 1777.5 |
| 3 | Channel | 131987 | 132322 | 132657 |
| | Frequency | 1711.5 | 1745 | 1778.5 |
| 1.4 | Channel | 131979 | 132322 | 132665 |
| | Frequency | 1710.7 | 1745 | 1779.3 |

| LTE Band 71 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20 | Channel | 133222 | 133297 | 133372 |
| | Frequency | 673.0 | 680.5 | 688.0 |
| 15 | Channel | 133197 | 133297 | 133397 |
| | Frequency | 670.5 | 680.5 | 690.5 |
| 10 | Channel | 133172 | 133297 | 133422 |
| | Frequency | 668.0 | 680.5 | 693.0 |
| 5 | Channel | 133147 | 133297 | 133447 |
| | Frequency | 665.5 | 680.5 | 695.5 |

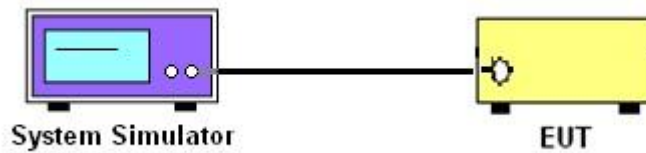
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.1.1 Test Setup

3.1.2 Conducted Output Power



3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41

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

According to KDB 412172 D01 Power Approach,

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

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the 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.

4 Radiated Test Items

4.1 Measuring Instruments

See list of measuring instruments of this test report.

4.1.1 Test Setup

For radiated test below 30MHz



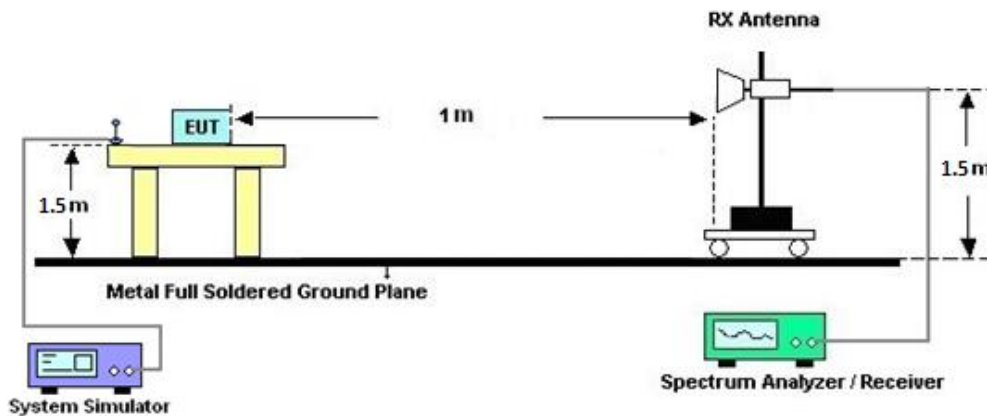
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix A.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 41

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

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively 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.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

For LTE Band 41

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (dBm) = EIRP - 2.15



5 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------------|-------------------|-----------------------------------|----------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100315 | 9 kHz~30 MHz | Dec. 26, 2019 | Nov. 20, 2020~ Nov. 23, 2020 | Dec. 25, 2020 | Radiation (03CH12-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N -06 | 40103 & 07 | 30MHz~1GHz | Apr. 29, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Apr. 28, 2021 | Radiation (03CH12-HY) |
| Horn Antenna | SCHWARZB ECK | BBHA 9120 D | 9120D-1212 | 1GHz~18GHz | May 20, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | May 19, 2021 | Radiation (03CH12-HY) |
| Horn Antenna | SCHWARZB ECK | BBHA 9120D | 9120D-1241 | 1GHz ~ 18GHz | Jul. 15, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Jul. 14, 2021 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna | SCHWARZB ECK | BBHA 9170 | BBHA9170584 | 18GHz~40GHz | Dec. 10, 2019 | Nov. 20, 2020~ Nov. 23, 2020 | Dec. 09, 2020 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna | SCHWARZB ECK | BBHA 9170 | BBHA9170980 | 18GHz ~ 40GHz | Jan. 10, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Jan. 09, 2021 | Radiation (03CH12-HY) |
| Preamplifier | COM-POWE R | PA-103 | 161075 | 10MHz~1GHz | Mar. 25, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Mar. 24, 2021 | Radiation (03CH12-HY) |
| Preamplifier | Keysight | 83017A | MY57280120 | 1GHz~26.5GHz | Jul. 20, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Jul. 19, 2021 | Radiation (03CH12-HY) |
| Preamplifier | Jet-Power | JPA0118-55-3 03K | 171000180005 4002 | 1GHz~18GHz | Feb. 07, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Feb. 06, 2021 | Radiation (03CH12-HY) |
| Preamplifier | EMEC | EM18G40G | 060715 | 18GHz~40GHz | Dec. 13, 2019 | Nov. 20, 2020~ Nov. 23, 2020 | Dec. 12, 2020 | Radiation (03CH12-HY) |
| Spectrum Analyzer | Agilent | N9010A | MY54200485 | 10Hz~44GHz | Feb. 10, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Feb. 09, 2021 | Radiation (03CH12-HY) |
| Signal Generator | Anritsu | MG3694C | 163401 | 0.1Hz~40GHz | Feb. 15, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Feb. 14, 2021 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4PE | 9kHz~30MHz | Mar. 12, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Mar. 11, 2021 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 126E | 0058/126E | 30MHz~18GHz | Dec. 12, 2019 | Nov. 20, 2020~ Nov. 23, 2020 | Dec. 11, 2020 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 505134/2 | 30MHz~40GHz | Feb. 25, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Feb. 24, 2021 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 800740/2 | 30MHz~40GHz | Feb. 25, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Feb. 24, 2021 | Radiation (03CH12-HY) |
| Hygrometer | TECPEL | DTM-303B | TP140349 | N/A | Oct. 02, 2020 | Nov. 20, 2020~ Nov. 23, 2020 | Oct. 01, 2021 | Radiation (03CH12-HY) |
| Controller | EMEC | EM1000 | N/A | Control Turn table & Ant Mast | N/A | Nov. 20, 2020~ Nov. 23, 2020 | N/A | Radiation (03CH12-HY) |
| Antenna Mast | EMEC | AM-BS-4500-B | N/A | 1m~4m | N/A | Nov. 20, 2020~ Nov. 23, 2020 | N/A | Radiation (03CH12-HY) |
| Turn Table | EMEC | TT2000 | N/A | 0~360 Degree | N/A | Nov. 20, 2020~ Nov. 23, 2020 | N/A | Radiation (03CH12-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-000989 | N/A | N/A | Nov. 20, 2020~ Nov. 23, 2020 | N/A | Radiation (03CH12-HY) |
| Base Station | Anritsu | MT8820C | 6201381766 | - | Jun. 29, 2020 | Nov. 21, 2020 | Jun. 28, 2021 | Conducted (TH05-HY) |
| Base Station | Keysight | E5515C | MY50267236 | - | Mar. 18, 2020 | Nov. 21, 2020 | Mar. 17, 2021 | Conducted (TH05-HY) |



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| | |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.07 |
|---|------|

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

| | |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.21 |
|---|------|

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

| | |
|---|------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$) | 3.80 |
|---|------|



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power & ERP/EIRP)

| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.5 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.42 | 23.21 | 23.20 | 23.92 | 0.2466 |
| 20 | 1 | 49 | | 23.27 | 23.13 | 23.19 | | |
| 20 | 1 | 99 | | 23.24 | 23.15 | 23.26 | | |
| 20 | 50 | 0 | | 22.48 | 22.25 | 22.33 | | |
| 20 | 50 | 24 | | 22.45 | 22.11 | 22.26 | | |
| 20 | 50 | 50 | | 22.44 | 22.22 | 22.26 | | |
| 20 | 100 | 0 | | 22.46 | 22.29 | 22.25 | | |
| 20 | 1 | 0 | 16-QAM | 22.77 | 22.52 | 22.60 | 23.27 | 0.2123 |
| 20 | 1 | 49 | | 22.66 | 22.53 | 22.58 | | |
| 20 | 1 | 99 | | 22.62 | 22.59 | 22.57 | | |
| 20 | 50 | 0 | | 21.37 | 21.25 | 21.27 | | |
| 20 | 50 | 24 | | 21.47 | 21.35 | 21.30 | | |
| 20 | 50 | 50 | | 21.47 | 21.32 | 21.38 | | |
| 20 | 100 | 0 | | 21.45 | 21.32 | 21.27 | | |
| 20 | 1 | 0 | 64-QAM | 21.55 | 21.40 | 21.41 | 22.09 | 0.1618 |
| 20 | 1 | 49 | | 21.56 | 21.46 | 21.45 | | |
| 20 | 1 | 99 | | 21.59 | 21.41 | 21.46 | | |
| 20 | 50 | 0 | | 20.39 | 20.26 | 20.27 | | |
| 20 | 50 | 24 | | 20.47 | 20.36 | 20.30 | | |
| 20 | 50 | 50 | | 20.48 | 20.36 | 20.38 | | |
| 20 | 100 | 0 | | 20.45 | 20.34 | 20.27 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.5 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.43 | 23.33 | 23.30 | 23.93 | 0.2472 |
| 15 | 1 | 37 | | 23.31 | 23.16 | 23.29 | | |
| 15 | 1 | 74 | | 23.27 | 23.21 | 23.40 | | |
| 15 | 36 | 0 | | 22.49 | 22.25 | 22.42 | | |
| 15 | 36 | 20 | | 22.41 | 22.42 | 22.41 | | |
| 15 | 36 | 39 | | 22.45 | 22.46 | 22.46 | | |
| 15 | 75 | 0 | | 22.46 | 22.42 | 22.42 | | |
| 15 | 1 | 0 | 16-QAM | 22.70 | 22.55 | 22.64 | 23.25 | 0.2113 |
| 15 | 1 | 37 | | 22.61 | 22.57 | 22.73 | | |
| 15 | 1 | 74 | | 22.63 | 22.54 | 22.75 | | |
| 15 | 36 | 0 | | 21.50 | 21.24 | 21.42 | | |
| 15 | 36 | 20 | | 21.52 | 21.36 | 21.47 | | |
| 15 | 36 | 39 | | 21.42 | 21.40 | 21.53 | | |
| 15 | 75 | 0 | | 21.47 | 21.35 | 21.39 | | |
| 15 | 1 | 0 | 64-QAM | 21.54 | 21.41 | 21.44 | 22.04 | 0.1600 |
| 15 | 1 | 37 | | 21.53 | 21.47 | 21.19 | | |
| 15 | 1 | 74 | | 21.49 | 21.53 | 21.51 | | |
| 15 | 36 | 0 | | 20.48 | 20.28 | 20.32 | | |
| 15 | 36 | 20 | | 20.52 | 20.44 | 20.46 | | |
| 15 | 36 | 39 | | 20.46 | 20.39 | 20.57 | | |
| 15 | 75 | 0 | | 20.40 | 20.42 | 20.47 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.5 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.44 | 23.23 | 23.29 | 23.94 | 0.2477 |
| 10 | 1 | 25 | | 23.31 | 23.25 | 23.33 | | |
| 10 | 1 | 49 | | 23.31 | 23.27 | 23.32 | | |
| 10 | 25 | 0 | | 22.45 | 22.31 | 22.41 | | |
| 10 | 25 | 12 | | 22.40 | 22.41 | 22.41 | | |
| 10 | 25 | 25 | | 22.45 | 22.45 | 22.49 | | |
| 10 | 50 | 0 | | 22.41 | 22.36 | 22.47 | | |
| 10 | 1 | 0 | 16-QAM | 22.73 | 22.53 | 22.64 | 23.29 | 0.2133 |
| 10 | 1 | 25 | | 22.65 | 22.52 | 22.74 | | |
| 10 | 1 | 49 | | 22.56 | 22.54 | 22.79 | | |
| 10 | 25 | 0 | | 21.49 | 21.27 | 21.38 | | |
| 10 | 25 | 12 | | 21.44 | 21.41 | 21.42 | | |
| 10 | 25 | 25 | | 21.48 | 21.44 | 21.52 | | |
| 10 | 50 | 0 | | 21.48 | 21.42 | 21.42 | | |
| 10 | 1 | 0 | 64-QAM | 21.51 | 21.39 | 21.50 | 22.06 | 0.1607 |
| 10 | 1 | 25 | | 21.56 | 21.47 | 21.23 | | |
| 10 | 1 | 49 | | 21.48 | 21.52 | 21.51 | | |
| 10 | 25 | 0 | | 20.50 | 20.33 | 20.40 | | |
| 10 | 25 | 12 | | 20.50 | 20.47 | 20.42 | | |
| 10 | 25 | 25 | | 20.48 | 20.47 | 20.55 | | |
| 10 | 50 | 0 | | 20.46 | 20.42 | 20.47 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.5 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.40 | 23.27 | 23.34 | 23.9 | 0.2455 |
| 5 | 1 | 12 | | 23.31 | 23.16 | 23.34 | | |
| 5 | 1 | 24 | | 23.21 | 23.29 | 23.35 | | |
| 5 | 12 | 0 | | 22.43 | 22.25 | 22.32 | | |
| 5 | 12 | 7 | | 22.48 | 22.35 | 22.44 | | |
| 5 | 12 | 13 | | 22.41 | 22.44 | 22.46 | | |
| 5 | 25 | 0 | | 22.50 | 22.36 | 22.37 | | |
| 5 | 1 | 0 | 16-QAM | 22.65 | 22.62 | 22.66 | 23.28 | 0.2128 |
| 5 | 1 | 12 | | 22.56 | 22.55 | 22.65 | | |
| 5 | 1 | 24 | | 22.63 | 22.54 | 22.78 | | |
| 5 | 12 | 0 | | 21.46 | 21.34 | 21.34 | | |
| 5 | 12 | 7 | | 21.50 | 21.40 | 21.40 | | |
| 5 | 12 | 13 | | 21.39 | 21.37 | 21.50 | | |
| 5 | 25 | 0 | | 21.46 | 21.37 | 21.45 | | |
| 5 | 1 | 0 | 64-QAM | 21.51 | 21.40 | 21.42 | 22.01 | 0.1589 |
| 5 | 1 | 12 | | 21.48 | 21.47 | 21.18 | | |
| 5 | 1 | 24 | | 21.49 | 21.47 | 21.49 | | |
| 5 | 12 | 0 | | 20.48 | 20.32 | 20.32 | | |
| 5 | 12 | 7 | | 20.53 | 20.41 | 20.49 | | |
| 5 | 12 | 13 | | 20.47 | 20.39 | 20.60 | | |
| 5 | 25 | 0 | | 20.50 | 20.39 | 20.41 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.5 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.41 | 23.29 | 23.32 | 23.91 | 0.2460 |
| 3 | 1 | 8 | | 23.29 | 23.23 | 23.31 | | |
| 3 | 1 | 14 | | 23.31 | 23.25 | 23.33 | | |
| 3 | 8 | 0 | | 22.49 | 22.24 | 22.36 | | |
| 3 | 8 | 4 | | 22.41 | 22.37 | 22.36 | | |
| 3 | 8 | 7 | | 22.42 | 22.43 | 22.54 | | |
| 3 | 15 | 0 | | 22.45 | 22.40 | 22.40 | | |
| 3 | 1 | 0 | 16-QAM | 22.65 | 22.53 | 22.70 | 23.25 | 0.2113 |
| 3 | 1 | 8 | | 22.66 | 22.52 | 22.70 | | |
| 3 | 1 | 14 | | 22.64 | 22.52 | 22.75 | | |
| 3 | 8 | 0 | | 21.44 | 21.29 | 21.42 | | |
| 3 | 8 | 4 | | 21.50 | 21.38 | 21.39 | | |
| 3 | 8 | 7 | | 21.48 | 21.36 | 21.55 | | |
| 3 | 15 | 0 | | 21.47 | 21.34 | 21.41 | | |
| 3 | 1 | 0 | 64-QAM | 21.51 | 21.44 | 21.46 | 22.07 | 0.1611 |
| 3 | 1 | 8 | | 21.57 | 21.39 | 21.16 | | |
| 3 | 1 | 14 | | 21.53 | 21.52 | 21.52 | | |
| 3 | 8 | 0 | | 20.46 | 20.35 | 20.36 | | |
| 3 | 8 | 4 | | 20.48 | 20.40 | 20.48 | | |
| 3 | 8 | 7 | | 20.43 | 20.47 | 20.59 | | |
| 3 | 15 | 0 | | 20.44 | 20.41 | 20.47 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Maximum Average Power [dBm] (GT - LC = 0.5 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.39 | 23.24 | 23.28 | 23.91 | 0.2460 |
| 1.4 | 1 | 3 | | 23.30 | 23.21 | 23.24 | | |
| 1.4 | 1 | 5 | | 23.29 | 23.25 | 23.41 | | |
| 1.4 | 3 | 0 | | 23.38 | 23.31 | 23.28 | | |
| 1.4 | 3 | 1 | | 23.26 | 23.20 | 23.27 | | |
| 1.4 | 3 | 3 | | 23.21 | 23.24 | 23.39 | | |
| 1.4 | 6 | 0 | | 22.41 | 22.41 | 22.45 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.65 | 22.52 | 22.64 | 23.25 | 0.2113 |
| 1.4 | 1 | 3 | | 22.56 | 22.57 | 22.71 | | |
| 1.4 | 1 | 5 | | 22.63 | 22.59 | 22.75 | | |
| 1.4 | 3 | 0 | | 22.72 | 22.59 | 22.63 | | |
| 1.4 | 3 | 1 | | 22.63 | 22.51 | 22.73 | | |
| 1.4 | 3 | 3 | | 22.60 | 22.58 | 22.72 | | |
| 1.4 | 6 | 0 | | 21.44 | 21.33 | 21.36 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.51 | 21.35 | 21.44 | 22.06 | 0.1607 |
| 1.4 | 1 | 3 | | 21.54 | 21.44 | 21.23 | | |
| 1.4 | 1 | 5 | | 21.47 | 21.49 | 21.56 | | |
| 1.4 | 3 | 0 | | 21.52 | 21.44 | 21.48 | | |
| 1.4 | 3 | 1 | | 21.48 | 21.41 | 21.14 | | |
| 1.4 | 3 | 3 | | 21.54 | 21.53 | 21.48 | | |
| 1.4 | 6 | 0 | | 20.41 | 20.41 | 20.47 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.4 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.38 | 23.23 | 23.26 | 23.78 | 0.2388 |
| 20 | 1 | 49 | | 23.33 | 23.17 | 23.23 | | |
| 20 | 1 | 99 | | 23.33 | 23.20 | 23.25 | | |
| 20 | 50 | 0 | | 22.49 | 22.39 | 22.41 | | |
| 20 | 50 | 24 | | 22.48 | 22.37 | 22.34 | | |
| 20 | 50 | 50 | | 22.42 | 22.34 | 22.40 | | |
| 20 | 100 | 0 | | 22.47 | 22.34 | 22.33 | | |
| 20 | 1 | 0 | 16-QAM | 22.68 | 22.58 | 22.54 | 23.08 | 0.2032 |
| 20 | 1 | 49 | | 22.63 | 22.53 | 22.55 | | |
| 20 | 1 | 99 | | 22.54 | 22.61 | 22.58 | | |
| 20 | 50 | 0 | | 21.52 | 21.30 | 21.32 | | |
| 20 | 50 | 24 | | 21.49 | 21.38 | 21.34 | | |
| 20 | 50 | 50 | | 21.44 | 21.37 | 21.40 | | |
| 20 | 100 | 0 | | 21.48 | 21.38 | 21.33 | | |
| 20 | 1 | 0 | 64-QAM | 21.58 | 21.54 | 21.46 | 21.98 | 0.1578 |
| 20 | 1 | 49 | | 21.54 | 21.42 | 21.42 | | |
| 20 | 1 | 99 | | 21.48 | 21.45 | 21.29 | | |
| 20 | 50 | 0 | | 20.54 | 20.34 | 20.35 | | |
| 20 | 50 | 24 | | 20.53 | 20.39 | 20.36 | | |
| 20 | 50 | 50 | | 20.46 | 20.38 | 20.43 | | |
| 20 | 100 | 0 | | 20.51 | 20.39 | 20.35 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.4 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.27 | 23.13 | 23.13 | 23.67 | 0.2328 |
| 15 | 1 | 37 | | 23.16 | 23.08 | 23.07 | | |
| 15 | 1 | 74 | | 23.14 | 23.11 | 23.12 | | |
| 15 | 36 | 0 | | 22.36 | 22.23 | 22.21 | | |
| 15 | 36 | 20 | | 22.30 | 22.20 | 22.16 | | |
| 15 | 36 | 39 | | 22.25 | 22.24 | 22.15 | | |
| 15 | 75 | 0 | | 22.31 | 22.23 | 22.11 | | |
| 15 | 1 | 0 | 16-QAM | 22.59 | 22.52 | 22.45 | 22.99 | 0.1991 |
| 15 | 1 | 37 | | 22.54 | 22.45 | 22.45 | | |
| 15 | 1 | 74 | | 22.40 | 22.48 | 22.42 | | |
| 15 | 36 | 0 | | 21.30 | 21.21 | 21.20 | | |
| 15 | 36 | 20 | | 21.34 | 21.24 | 21.18 | | |
| 15 | 36 | 39 | | 21.25 | 21.22 | 21.25 | | |
| 15 | 75 | 0 | | 21.37 | 21.26 | 21.14 | | |
| 15 | 1 | 0 | 64-QAM | 21.42 | 21.29 | 21.31 | 21.82 | 0.1521 |
| 15 | 1 | 37 | | 21.37 | 21.36 | 21.35 | | |
| 15 | 1 | 74 | | 21.34 | 21.33 | 21.25 | | |
| 15 | 36 | 0 | | 20.41 | 20.17 | 20.18 | | |
| 15 | 36 | 20 | | 20.36 | 20.26 | 20.14 | | |
| 15 | 36 | 39 | | 20.32 | 20.28 | 20.28 | | |
| 15 | 75 | 0 | | 20.30 | 20.23 | 20.20 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.4 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.23 | 23.10 | 23.03 | 23.63 | 0.2307 |
| 10 | 1 | 25 | | 23.20 | 23.16 | 23.03 | | |
| 10 | 1 | 49 | | 23.10 | 23.12 | 23.11 | | |
| 10 | 25 | 0 | | 22.31 | 22.26 | 22.23 | | |
| 10 | 25 | 12 | | 22.34 | 22.24 | 22.16 | | |
| 10 | 25 | 25 | | 22.28 | 22.19 | 22.14 | | |
| 10 | 50 | 0 | | 22.37 | 22.29 | 22.18 | | |
| 10 | 1 | 0 | 16-QAM | 22.53 | 22.46 | 22.44 | 22.93 | 0.1963 |
| 10 | 1 | 25 | | 22.51 | 22.49 | 22.44 | | |
| 10 | 1 | 49 | | 22.37 | 22.49 | 22.47 | | |
| 10 | 25 | 0 | | 21.40 | 21.17 | 21.19 | | |
| 10 | 25 | 12 | | 21.38 | 21.22 | 21.19 | | |
| 10 | 25 | 25 | | 21.25 | 21.27 | 21.25 | | |
| 10 | 50 | 0 | | 21.30 | 21.26 | 21.13 | | |
| 10 | 1 | 0 | 64-QAM | 21.44 | 21.36 | 21.21 | 21.85 | 0.1531 |
| 10 | 1 | 25 | | 21.45 | 21.39 | 21.36 | | |
| 10 | 1 | 49 | | 21.42 | 21.41 | 21.33 | | |
| 10 | 25 | 0 | | 20.33 | 20.18 | 20.15 | | |
| 10 | 25 | 12 | | 20.39 | 20.24 | 20.16 | | |
| 10 | 25 | 25 | | 20.35 | 20.32 | 20.22 | | |
| 10 | 50 | 0 | | 20.37 | 20.26 | 20.14 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.4 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.22 | 23.20 | 23.08 | 23.62 | 0.2301 |
| 5 | 1 | 12 | | 23.21 | 23.09 | 23.11 | | |
| 5 | 1 | 24 | | 23.10 | 23.11 | 23.10 | | |
| 5 | 12 | 0 | | 22.37 | 22.20 | 22.20 | | |
| 5 | 12 | 7 | | 22.32 | 22.17 | 22.16 | | |
| 5 | 12 | 13 | | 22.29 | 22.18 | 22.15 | | |
| 5 | 25 | 0 | | 22.39 | 22.22 | 22.18 | | |
| 5 | 1 | 0 | 16-QAM | 22.59 | 22.48 | 22.40 | 22.99 | 0.1991 |
| 5 | 1 | 12 | | 22.54 | 22.50 | 22.38 | | |
| 5 | 1 | 24 | | 22.45 | 22.56 | 22.43 | | |
| 5 | 12 | 0 | | 21.37 | 21.19 | 21.19 | | |
| 5 | 12 | 7 | | 21.32 | 21.17 | 21.19 | | |
| 5 | 12 | 13 | | 21.25 | 21.23 | 21.23 | | |
| 5 | 25 | 0 | | 21.35 | 21.24 | 21.09 | | |
| 5 | 1 | 0 | 64-QAM | 21.47 | 21.30 | 21.21 | 21.87 | 0.1538 |
| 5 | 1 | 12 | | 21.40 | 21.31 | 21.28 | | |
| 5 | 1 | 24 | | 21.41 | 21.34 | 21.28 | | |
| 5 | 12 | 0 | | 20.34 | 20.20 | 20.18 | | |
| 5 | 12 | 7 | | 20.33 | 20.28 | 20.22 | | |
| 5 | 12 | 13 | | 20.33 | 20.27 | 20.25 | | |
| 5 | 25 | 0 | | 20.34 | 20.25 | 20.22 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.4 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.29 | 23.14 | 23.10 | 23.69 | 0.2339 |
| 3 | 1 | 8 | | 23.21 | 23.10 | 23.04 | | |
| 3 | 1 | 14 | | 23.09 | 23.17 | 23.08 | | |
| 3 | 8 | 0 | | 22.36 | 22.24 | 22.26 | | |
| 3 | 8 | 4 | | 22.32 | 22.20 | 22.16 | | |
| 3 | 8 | 7 | | 22.21 | 22.15 | 22.12 | | |
| 3 | 15 | 0 | | 22.35 | 22.19 | 22.19 | | |
| 3 | 1 | 0 | 16-QAM | 22.57 | 22.52 | 22.43 | 22.97 | 0.1982 |
| 3 | 1 | 8 | | 22.50 | 22.45 | 22.39 | | |
| 3 | 1 | 14 | | 22.41 | 22.48 | 22.49 | | |
| 3 | 8 | 0 | | 21.36 | 21.24 | 21.13 | | |
| 3 | 8 | 4 | | 21.40 | 21.21 | 21.13 | | |
| 3 | 8 | 7 | | 21.31 | 21.31 | 21.22 | | |
| 3 | 15 | 0 | | 21.29 | 21.25 | 21.19 | | |
| 3 | 1 | 0 | 64-QAM | 21.49 | 21.37 | 21.30 | 21.89 | 0.1545 |
| 3 | 1 | 8 | | 21.38 | 21.29 | 21.29 | | |
| 3 | 1 | 14 | | 21.38 | 21.40 | 21.32 | | |
| 3 | 8 | 0 | | 20.34 | 20.21 | 20.19 | | |
| 3 | 8 | 4 | | 20.32 | 20.24 | 20.22 | | |
| 3 | 8 | 7 | | 20.33 | 20.32 | 20.28 | | |
| 3 | 15 | 0 | | 20.31 | 20.28 | 20.14 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 25 Maximum Average Power [dBm] (GT - LC = 0.4 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.28 | 23.18 | 23.13 | 23.68 | 0.2333 |
| 1.4 | 1 | 3 | | 23.11 | 23.13 | 23.08 | | |
| 1.4 | 1 | 5 | | 23.09 | 23.17 | 23.11 | | |
| 1.4 | 3 | 0 | | 23.25 | 23.11 | 23.07 | | |
| 1.4 | 3 | 1 | | 23.17 | 23.09 | 23.04 | | |
| 1.4 | 3 | 3 | | 23.08 | 23.10 | 23.11 | | |
| 1.4 | 6 | 0 | | 22.40 | 22.21 | 22.13 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.57 | 22.47 | 22.46 | 22.97 | 0.1982 |
| 1.4 | 1 | 3 | | 22.48 | 22.51 | 22.38 | | |
| 1.4 | 1 | 5 | | 22.44 | 22.52 | 22.49 | | |
| 1.4 | 3 | 0 | | 22.55 | 22.46 | 22.45 | | |
| 1.4 | 3 | 1 | | 22.49 | 22.53 | 22.43 | | |
| 1.4 | 3 | 3 | | 22.39 | 22.53 | 22.52 | | |
| 1.4 | 6 | 0 | | 21.35 | 21.30 | 21.15 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.47 | 21.37 | 21.26 | 21.87 | 0.1538 |
| 1.4 | 1 | 3 | | 21.35 | 21.37 | 21.30 | | |
| 1.4 | 1 | 5 | | 21.33 | 21.39 | 21.30 | | |
| 1.4 | 3 | 0 | | 21.45 | 21.37 | 21.24 | | |
| 1.4 | 3 | 1 | | 21.36 | 21.35 | 21.33 | | |
| 1.4 | 3 | 3 | | 21.39 | 21.38 | 21.28 | | |
| 1.4 | 6 | 0 | | 20.36 | 20.32 | 20.19 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.62 | 23.57 | 23.55 | 24.57 | 0.2864 |
| 20 | 1 | 49 | | 23.45 | 23.36 | 23.35 | | |
| 20 | 1 | 99 | | 23.46 | 23.32 | 23.38 | | |
| 20 | 50 | 0 | | 22.77 | 22.67 | 22.57 | | |
| 20 | 50 | 24 | | 22.71 | 22.60 | 22.53 | | |
| 20 | 50 | 50 | | 22.55 | 22.50 | 22.54 | | |
| 20 | 100 | 0 | | 22.68 | 22.63 | 22.52 | | |
| 20 | 1 | 0 | 16-QAM | 22.95 | 22.87 | 22.86 | 23.90 | 0.2455 |
| 20 | 1 | 49 | | 22.79 | 22.71 | 22.73 | | |
| 20 | 1 | 99 | | 22.80 | 22.66 | 22.77 | | |
| 20 | 50 | 0 | | 21.75 | 21.68 | 21.58 | | |
| 20 | 50 | 24 | | 21.70 | 21.62 | 21.52 | | |
| 20 | 50 | 50 | | 21.55 | 21.54 | 21.54 | | |
| 20 | 100 | 0 | | 21.68 | 21.61 | 21.47 | | |
| 20 | 1 | 0 | 64-QAM | 21.85 | 21.81 | 21.71 | 22.80 | 0.1905 |
| 20 | 1 | 49 | | 21.68 | 21.62 | 21.57 | | |
| 20 | 1 | 99 | | 21.63 | 21.61 | 21.62 | | |
| 20 | 50 | 0 | | 20.77 | 20.70 | 20.62 | | |
| 20 | 50 | 24 | | 20.71 | 20.64 | 20.53 | | |
| 20 | 50 | 50 | | 20.56 | 20.56 | 20.55 | | |
| 20 | 100 | 0 | | 20.71 | 20.61 | 20.55 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.53 | 23.56 | 23.58 | 24.53 | 0.2838 |
| 15 | 1 | 37 | | 23.42 | 23.46 | 23.34 | | |
| 15 | 1 | 74 | | 23.40 | 23.49 | 23.39 | | |
| 15 | 36 | 0 | | 22.60 | 22.67 | 22.57 | | |
| 15 | 36 | 20 | | 22.64 | 22.57 | 22.52 | | |
| 15 | 36 | 39 | | 22.62 | 22.64 | 22.53 | | |
| 15 | 75 | 0 | | 22.66 | 22.67 | 22.53 | | |
| 15 | 1 | 0 | 16-QAM | 22.62 | 22.68 | 22.61 | 23.65 | 0.2317 |
| 15 | 1 | 37 | | 22.43 | 22.60 | 22.46 | | |
| 15 | 1 | 74 | | 22.49 | 22.70 | 22.48 | | |
| 15 | 36 | 0 | | 21.61 | 21.69 | 21.53 | | |
| 15 | 36 | 20 | | 21.64 | 21.59 | 21.57 | | |
| 15 | 36 | 39 | | 21.55 | 21.65 | 21.53 | | |
| 15 | 75 | 0 | | 21.65 | 21.63 | 21.52 | | |
| 15 | 1 | 0 | 64-QAM | 21.72 | 21.63 | 21.65 | 22.68 | 0.1854 |
| 15 | 1 | 37 | | 21.62 | 21.72 | 21.52 | | |
| 15 | 1 | 74 | | 21.73 | 21.68 | 21.63 | | |
| 15 | 36 | 0 | | 20.68 | 20.67 | 20.64 | | |
| 15 | 36 | 20 | | 20.73 | 20.65 | 20.56 | | |
| 15 | 36 | 39 | | 20.65 | 20.65 | 20.59 | | |
| 15 | 75 | 0 | | 20.62 | 20.65 | 20.55 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.55 | 23.55 | 23.55 | 24.50 | 0.2818 |
| 10 | 1 | 25 | | 23.41 | 23.42 | 23.39 | | |
| 10 | 1 | 49 | | 23.43 | 23.46 | 23.41 | | |
| 10 | 25 | 0 | | 22.63 | 22.63 | 22.56 | | |
| 10 | 25 | 12 | | 22.67 | 22.56 | 22.57 | | |
| 10 | 25 | 25 | | 22.55 | 22.62 | 22.54 | | |
| 10 | 50 | 0 | | 22.65 | 22.64 | 22.52 | | |
| 10 | 1 | 0 | 16-QAM | 22.63 | 22.65 | 22.57 | 23.68 | 0.2333 |
| 10 | 1 | 25 | | 22.51 | 22.59 | 22.51 | | |
| 10 | 1 | 49 | | 22.53 | 22.73 | 22.42 | | |
| 10 | 25 | 0 | | 21.60 | 21.64 | 21.54 | | |
| 10 | 25 | 12 | | 21.65 | 21.59 | 21.61 | | |
| 10 | 25 | 25 | | 21.61 | 21.56 | 21.51 | | |
| 10 | 50 | 0 | | 21.58 | 21.56 | 21.58 | | |
| 10 | 1 | 0 | 64-QAM | 21.66 | 21.64 | 21.63 | 22.72 | 0.1871 |
| 10 | 1 | 25 | | 21.68 | 21.73 | 21.52 | | |
| 10 | 1 | 49 | | 21.66 | 21.77 | 21.65 | | |
| 10 | 25 | 0 | | 20.69 | 20.70 | 20.61 | | |
| 10 | 25 | 12 | | 20.65 | 20.67 | 20.57 | | |
| 10 | 25 | 25 | | 20.58 | 20.66 | 20.51 | | |
| 10 | 50 | 0 | | 20.69 | 20.57 | 20.62 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.59 | 23.57 | 23.54 | 24.54 | 0.2844 |
| 5 | 1 | 12 | | 23.44 | 23.48 | 23.41 | | |
| 5 | 1 | 24 | | 23.41 | 23.49 | 23.41 | | |
| 5 | 12 | 0 | | 22.65 | 22.72 | 22.53 | | |
| 5 | 12 | 7 | | 22.62 | 22.57 | 22.53 | | |
| 5 | 12 | 13 | | 22.55 | 22.58 | 22.46 | | |
| 5 | 25 | 0 | | 22.60 | 22.58 | 22.57 | | |
| 5 | 1 | 0 | 16-QAM | 22.56 | 22.72 | 22.62 | 23.68 | 0.2333 |
| 5 | 1 | 12 | | 22.52 | 22.68 | 22.46 | | |
| 5 | 1 | 24 | | 22.48 | 22.73 | 22.50 | | |
| 5 | 12 | 0 | | 21.68 | 21.72 | 21.56 | | |
| 5 | 12 | 7 | | 21.67 | 21.61 | 21.57 | | |
| 5 | 12 | 13 | | 21.59 | 21.57 | 21.50 | | |
| 5 | 25 | 0 | | 21.67 | 21.57 | 21.53 | | |
| 5 | 1 | 0 | 64-QAM | 21.65 | 21.61 | 21.64 | 22.69 | 0.1858 |
| 5 | 1 | 12 | | 21.66 | 21.66 | 21.52 | | |
| 5 | 1 | 24 | | 21.68 | 21.74 | 21.60 | | |
| 5 | 12 | 0 | | 20.68 | 20.76 | 20.55 | | |
| 5 | 12 | 7 | | 20.74 | 20.69 | 20.64 | | |
| 5 | 12 | 13 | | 20.57 | 20.62 | 20.54 | | |
| 5 | 25 | 0 | | 20.65 | 20.55 | 20.62 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.62 | 23.56 | 23.52 | 24.57 | 0.2864 |
| 3 | 1 | 8 | | 23.37 | 23.40 | 23.40 | | |
| 3 | 1 | 14 | | 23.41 | 23.48 | 23.36 | | |
| 3 | 8 | 0 | | 22.63 | 22.66 | 22.59 | | |
| 3 | 8 | 4 | | 22.62 | 22.57 | 22.53 | | |
| 3 | 8 | 7 | | 22.57 | 22.56 | 22.55 | | |
| 3 | 15 | 0 | | 22.62 | 22.64 | 22.58 | | |
| 3 | 1 | 0 | 16-QAM | 22.61 | 22.74 | 22.62 | 23.73 | 0.2360 |
| 3 | 1 | 8 | | 22.44 | 22.66 | 22.48 | | |
| 3 | 1 | 14 | | 22.52 | 22.78 | 22.50 | | |
| 3 | 8 | 0 | | 21.60 | 21.69 | 21.59 | | |
| 3 | 8 | 4 | | 21.62 | 21.60 | 21.52 | | |
| 3 | 8 | 7 | | 21.55 | 21.59 | 21.57 | | |
| 3 | 15 | 0 | | 21.64 | 21.60 | 21.56 | | |
| 3 | 1 | 0 | 64-QAM | 21.72 | 21.59 | 21.62 | 22.68 | 0.1854 |
| 3 | 1 | 8 | | 21.66 | 21.66 | 21.54 | | |
| 3 | 1 | 14 | | 21.70 | 21.73 | 21.55 | | |
| 3 | 8 | 0 | | 20.64 | 20.66 | 20.59 | | |
| 3 | 8 | 4 | | 20.72 | 20.66 | 20.63 | | |
| 3 | 8 | 7 | | 20.67 | 20.61 | 20.52 | | |
| 3 | 15 | 0 | | 20.62 | 20.63 | 20.60 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 4 Maximum Average Power [dBm] (GT - LC = 0.95 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.59 | 23.57 | 23.58 | 24.54 | 0.2844 |
| 1.4 | 1 | 3 | | 23.44 | 23.45 | 23.39 | | |
| 1.4 | 1 | 5 | | 23.44 | 23.48 | 23.37 | | |
| 1.4 | 3 | 0 | | 23.57 | 23.57 | 23.53 | | |
| 1.4 | 3 | 1 | | 23.41 | 23.38 | 23.37 | | |
| 1.4 | 3 | 3 | | 23.42 | 23.45 | 23.37 | | |
| 1.4 | 6 | 0 | | 22.66 | 22.61 | 22.56 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.57 | 22.73 | 22.55 | 23.68 | 0.2333 |
| 1.4 | 1 | 3 | | 22.49 | 22.68 | 22.50 | | |
| 1.4 | 1 | 5 | | 22.51 | 22.73 | 22.49 | | |
| 1.4 | 3 | 0 | | 22.56 | 22.64 | 22.61 | | |
| 1.4 | 3 | 1 | | 22.46 | 22.59 | 22.49 | | |
| 1.4 | 3 | 3 | | 22.49 | 22.70 | 22.46 | | |
| 1.4 | 6 | 0 | | 21.66 | 21.62 | 21.58 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.71 | 21.59 | 21.60 | 22.70 | 0.1862 |
| 1.4 | 1 | 3 | | 21.60 | 21.73 | 21.60 | | |
| 1.4 | 1 | 5 | | 21.70 | 21.69 | 21.59 | | |
| 1.4 | 3 | 0 | | 21.64 | 21.62 | 21.70 | | |
| 1.4 | 3 | 1 | | 21.64 | 21.69 | 21.60 | | |
| 1.4 | 3 | 3 | | 21.70 | 21.75 | 21.59 | | |
| 1.4 | 6 | 0 | | 20.71 | 20.59 | 20.64 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.58 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.85 | 23.89 | 23.77 | 22.32 | 0.1706 |
| 10 | 1 | 25 | | 23.84 | 23.83 | 23.67 | | |
| 10 | 1 | 49 | | 23.85 | 23.83 | 23.65 | | |
| 10 | 25 | 0 | | 22.91 | 22.95 | 22.81 | | |
| 10 | 25 | 12 | | 22.99 | 22.93 | 22.91 | | |
| 10 | 25 | 25 | | 22.97 | 22.94 | 22.87 | | |
| 10 | 50 | 0 | | 22.98 | 22.92 | 22.92 | | |
| 10 | 1 | 0 | 16-QAM | 23.25 | 23.15 | 23.14 | 21.73 | 0.1489 |
| 10 | 1 | 25 | | 23.20 | 23.15 | 23.04 | | |
| 10 | 1 | 49 | | 23.30 | 23.10 | 23.04 | | |
| 10 | 25 | 0 | | 21.91 | 21.87 | 21.80 | | |
| 10 | 25 | 12 | | 22.00 | 21.89 | 21.92 | | |
| 10 | 25 | 25 | | 21.96 | 21.89 | 21.90 | | |
| 10 | 50 | 0 | | 21.99 | 21.89 | 21.88 | | |
| 10 | 1 | 0 | 64-QAM | 22.09 | 22.09 | 21.97 | 20.54 | 0.1132 |
| 10 | 1 | 25 | | 22.11 | 22.10 | 22.01 | | |
| 10 | 1 | 49 | | 22.10 | 22.03 | 21.95 | | |
| 10 | 25 | 0 | | 20.89 | 20.94 | 20.85 | | |
| 10 | 25 | 12 | | 21.03 | 20.94 | 20.96 | | |
| 10 | 25 | 25 | | 20.99 | 20.95 | 20.90 | | |
| 10 | 50 | 0 | | 20.98 | 20.92 | 20.89 | | |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.58 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.69 | 23.61 | 23.56 | 22.19 | 0.1656 |
| 5 | 1 | 12 | | 23.76 | 23.63 | 23.51 | | |
| 5 | 1 | 24 | | 23.71 | 23.54 | 23.38 | | |
| 5 | 12 | 0 | | 22.81 | 22.69 | 22.60 | | |
| 5 | 12 | 7 | | 22.88 | 22.69 | 22.74 | | |
| 5 | 12 | 13 | | 22.88 | 22.71 | 22.70 | | |
| 5 | 25 | 0 | | 22.89 | 22.84 | 22.70 | | |
| 5 | 1 | 0 | 16-QAM | 23.14 | 23.01 | 23.02 | 21.57 | 0.1435 |
| 5 | 1 | 12 | | 23.08 | 23.02 | 22.83 | | |
| 5 | 1 | 24 | | 23.06 | 22.95 | 22.82 | | |
| 5 | 12 | 0 | | 21.76 | 21.76 | 21.66 | | |
| 5 | 12 | 7 | | 21.90 | 21.68 | 21.73 | | |
| 5 | 12 | 13 | | 21.81 | 21.70 | 21.67 | | |
| 5 | 25 | 0 | | 21.85 | 21.80 | 21.74 | | |
| 5 | 1 | 0 | 64-QAM | 21.94 | 21.81 | 21.78 | 20.42 | 0.1102 |
| 5 | 1 | 12 | | 21.99 | 21.96 | 21.77 | | |
| 5 | 1 | 24 | | 21.84 | 21.86 | 21.79 | | |
| 5 | 12 | 0 | | 20.79 | 20.81 | 20.65 | | |
| 5 | 12 | 7 | | 20.90 | 20.80 | 20.75 | | |
| 5 | 12 | 13 | | 20.89 | 20.81 | 20.72 | | |
| 5 | 25 | 0 | | 20.83 | 20.85 | 20.69 | | |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.58 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.67 | 23.64 | 23.65 | 22.18 | 0.1652 |
| 3 | 1 | 8 | | 23.75 | 23.65 | 23.51 | | |
| 3 | 1 | 14 | | 23.75 | 23.59 | 23.45 | | |
| 3 | 8 | 0 | | 22.78 | 22.77 | 22.68 | | |
| 3 | 8 | 4 | | 22.86 | 22.70 | 22.73 | | |
| 3 | 8 | 7 | | 22.85 | 22.75 | 22.76 | | |
| 3 | 15 | 0 | | 22.84 | 22.81 | 22.74 | | |
| 3 | 1 | 0 | 16-QAM | 23.10 | 23.02 | 22.96 | 21.53 | 0.1422 |
| 3 | 1 | 8 | | 23.07 | 22.97 | 22.89 | | |
| 3 | 1 | 14 | | 23.08 | 22.95 | 22.88 | | |
| 3 | 8 | 0 | | 21.80 | 21.70 | 21.71 | | |
| 3 | 8 | 4 | | 21.82 | 21.74 | 21.71 | | |
| 3 | 8 | 7 | | 21.89 | 21.71 | 21.67 | | |
| 3 | 15 | 0 | | 21.89 | 21.80 | 21.68 | | |
| 3 | 1 | 0 | 64-QAM | 21.95 | 21.80 | 21.80 | 20.48 | 0.1117 |
| 3 | 1 | 8 | | 22.05 | 21.86 | 21.84 | | |
| 3 | 1 | 14 | | 21.90 | 21.80 | 21.80 | | |
| 3 | 8 | 0 | | 20.88 | 20.78 | 20.66 | | |
| 3 | 8 | 4 | | 20.93 | 20.70 | 20.76 | | |
| 3 | 8 | 7 | | 20.88 | 20.80 | 20.76 | | |
| 3 | 15 | 0 | | 20.83 | 20.80 | 20.70 | | |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 5 Maximum Average Power [dBm] (GT - LC = 0.58 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.76 | 23.65 | 23.62 | 22.19 | 0.1656 |
| 1.4 | 1 | 3 | | 23.70 | 23.66 | 23.53 | | |
| 1.4 | 1 | 5 | | 23.66 | 23.58 | 23.48 | | |
| 1.4 | 3 | 0 | | 23.70 | 23.67 | 23.62 | | |
| 1.4 | 3 | 1 | | 23.74 | 23.61 | 23.56 | | |
| 1.4 | 3 | 3 | | 23.70 | 23.55 | 23.40 | | |
| 1.4 | 6 | 0 | | 22.80 | 22.84 | 22.77 | | |
| 1.4 | 1 | 0 | 16-QAM | 23.11 | 23.06 | 22.96 | 21.54 | 0.1426 |
| 1.4 | 1 | 3 | | 23.04 | 22.94 | 22.83 | | |
| 1.4 | 1 | 5 | | 23.04 | 22.89 | 22.83 | | |
| 1.4 | 3 | 0 | | 23.07 | 22.99 | 22.96 | | |
| 1.4 | 3 | 1 | | 23.01 | 23.02 | 22.92 | | |
| 1.4 | 3 | 3 | | 23.03 | 22.96 | 22.82 | | |
| 1.4 | 6 | 0 | | 21.92 | 21.78 | 21.70 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.98 | 21.83 | 21.73 | 20.45 | 0.1109 |
| 1.4 | 1 | 3 | | 22.01 | 21.96 | 21.85 | | |
| 1.4 | 1 | 5 | | 21.88 | 21.86 | 21.75 | | |
| 1.4 | 3 | 0 | | 21.97 | 21.85 | 21.77 | | |
| 1.4 | 3 | 1 | | 22.02 | 21.88 | 21.79 | | |
| 1.4 | 3 | 3 | | 21.82 | 21.80 | 21.74 | | |
| 1.4 | 6 | 0 | | 20.87 | 20.85 | 20.69 | | |
| Limit | ERP < 7W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.36 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.69 | 23.88 | 23.67 | 24.24 | 0.2655 |
| 20 | 1 | 49 | | 23.59 | 23.79 | 23.65 | | |
| 20 | 1 | 99 | | 23.67 | 23.78 | 23.66 | | |
| 20 | 50 | 0 | | 22.91 | 22.92 | 22.85 | | |
| 20 | 50 | 24 | | 22.88 | 22.81 | 22.82 | | |
| 20 | 50 | 50 | | 22.84 | 22.85 | 22.83 | | |
| 20 | 100 | 0 | | 22.92 | 22.94 | 22.85 | | |
| 20 | 1 | 0 | 16-QAM | 22.89 | 22.90 | 22.97 | 23.35 | 0.2163 |
| 20 | 1 | 49 | | 22.99 | 22.96 | 22.90 | | |
| 20 | 1 | 99 | | 22.93 | 22.91 | 22.98 | | |
| 20 | 50 | 0 | | 21.82 | 21.83 | 21.78 | | |
| 20 | 50 | 24 | | 21.94 | 21.87 | 21.89 | | |
| 20 | 50 | 50 | | 21.98 | 21.97 | 21.90 | | |
| 20 | 100 | 0 | | 21.92 | 21.85 | 21.87 | | |
| 20 | 1 | 0 | 64-QAM | 21.90 | 21.92 | 21.88 | 22.34 | 0.1714 |
| 20 | 1 | 49 | | 21.98 | 21.92 | 21.20 | | |
| 20 | 1 | 99 | | 21.71 | 21.83 | 21.52 | | |
| 20 | 50 | 0 | | 20.82 | 20.88 | 20.51 | | |
| 20 | 50 | 24 | | 20.98 | 20.91 | 20.26 | | |
| 20 | 50 | 50 | | 20.99 | 20.98 | 20.33 | | |
| 20 | 100 | 0 | | 20.95 | 20.87 | 20.34 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.36 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.72 | 23.71 | 23.75 | 24.11 | 0.2576 |
| 15 | 1 | 37 | | 23.50 | 23.72 | 23.63 | | |
| 15 | 1 | 74 | | 23.43 | 23.53 | 23.70 | | |
| 15 | 36 | 0 | | 22.64 | 22.62 | 22.77 | | |
| 15 | 36 | 20 | | 22.69 | 22.71 | 22.74 | | |
| 15 | 36 | 39 | | 22.72 | 22.79 | 22.81 | | |
| 15 | 75 | 0 | | 22.70 | 22.59 | 22.74 | | |
| 15 | 1 | 0 | 16-QAM | 22.75 | 22.89 | 22.99 | 23.35 | 0.2163 |
| 15 | 1 | 37 | | 22.78 | 22.85 | 22.94 | | |
| 15 | 1 | 74 | | 22.87 | 22.88 | 22.93 | | |
| 15 | 36 | 0 | | 21.67 | 21.67 | 21.71 | | |
| 15 | 36 | 20 | | 21.81 | 21.61 | 21.75 | | |
| 15 | 36 | 39 | | 21.73 | 21.74 | 21.77 | | |
| 15 | 75 | 0 | | 21.72 | 21.64 | 21.81 | | |
| 15 | 1 | 0 | 64-QAM | 21.61 | 21.69 | 21.93 | 22.35 | 0.1718 |
| 15 | 1 | 37 | | 21.82 | 21.50 | 21.80 | | |
| 15 | 1 | 74 | | 21.84 | 21.93 | 21.99 | | |
| 15 | 36 | 0 | | 20.62 | 20.61 | 20.72 | | |
| 15 | 36 | 20 | | 20.80 | 20.71 | 20.79 | | |
| 15 | 36 | 39 | | 20.77 | 20.82 | 20.77 | | |
| 15 | 75 | 0 | | 20.71 | 20.71 | 20.89 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.36 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.71 | 23.71 | 23.76 | 24.12 | 0.2582 |
| 10 | 1 | 25 | | 23.56 | 23.65 | 23.58 | | |
| 10 | 1 | 49 | | 23.47 | 23.52 | 23.61 | | |
| 10 | 25 | 0 | | 22.58 | 22.59 | 22.78 | | |
| 10 | 25 | 12 | | 22.71 | 22.70 | 22.79 | | |
| 10 | 25 | 25 | | 22.78 | 22.79 | 22.84 | | |
| 10 | 50 | 0 | | 22.77 | 22.66 | 22.78 | | |
| 10 | 1 | 0 | 16-QAM | 22.76 | 22.93 | 23.00 | 23.36 | 0.2168 |
| 10 | 1 | 25 | | 22.82 | 22.91 | 22.97 | | |
| 10 | 1 | 49 | | 22.91 | 22.85 | 22.94 | | |
| 10 | 25 | 0 | | 21.60 | 21.66 | 21.77 | | |
| 10 | 25 | 12 | | 21.76 | 21.64 | 21.83 | | |
| 10 | 25 | 25 | | 21.83 | 21.70 | 21.78 | | |
| 10 | 50 | 0 | | 21.72 | 21.65 | 21.85 | | |
| 10 | 1 | 0 | 64-QAM | 21.64 | 21.67 | 21.85 | 22.30 | 0.1698 |
| 10 | 1 | 25 | | 21.80 | 21.53 | 21.80 | | |
| 10 | 1 | 49 | | 21.94 | 21.94 | 21.92 | | |
| 10 | 25 | 0 | | 20.63 | 20.64 | 20.77 | | |
| 10 | 25 | 12 | | 20.77 | 20.69 | 20.89 | | |
| 10 | 25 | 25 | | 20.79 | 20.83 | 20.81 | | |
| 10 | 50 | 0 | | 20.68 | 20.66 | 20.88 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Maximum Average Power [dBm] (GT - LC = 0.36 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.66 | 23.79 | 23.80 | 24.16 | 0.2606 |
| 5 | 1 | 12 | | 23.53 | 23.73 | 23.59 | | |
| 5 | 1 | 24 | | 23.47 | 23.53 | 23.67 | | |
| 5 | 12 | 0 | | 22.58 | 22.60 | 22.84 | | |
| 5 | 12 | 7 | | 22.69 | 22.70 | 22.76 | | |
| 5 | 12 | 13 | | 22.80 | 22.76 | 22.86 | | |
| 5 | 25 | 0 | | 22.72 | 22.62 | 22.73 | | |
| 5 | 1 | 0 | 16-QAM | 22.79 | 22.93 | 22.91 | 23.33 | 0.2153 |
| 5 | 1 | 12 | | 22.80 | 22.89 | 22.97 | | |
| 5 | 1 | 24 | | 22.84 | 22.82 | 22.96 | | |
| 5 | 12 | 0 | | 21.63 | 21.65 | 21.71 | | |
| 5 | 12 | 7 | | 21.82 | 21.66 | 21.84 | | |
| 5 | 12 | 13 | | 21.76 | 21.72 | 21.81 | | |
| 5 | 25 | 0 | | 21.77 | 21.66 | 21.84 | | |
| 5 | 1 | 0 | 64-QAM | 21.66 | 21.74 | 21.88 | 22.31 | 0.1702 |
| 5 | 1 | 12 | | 21.78 | 21.49 | 21.82 | | |
| 5 | 1 | 24 | | 21.94 | 21.92 | 21.95 | | |
| 5 | 12 | 0 | | 20.62 | 20.65 | 20.74 | | |
| 5 | 12 | 7 | | 20.79 | 20.69 | 20.85 | | |
| 5 | 12 | 13 | | 20.79 | 20.76 | 20.86 | | |
| 5 | 25 | 0 | | 20.74 | 20.72 | 20.85 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.66 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.64 | 23.67 | 23.61 | 19.86 | 0.0968 |
| 10 | 1 | 25 | | 23.52 | 23.51 | 23.60 | | |
| 10 | 1 | 49 | | 23.58 | 23.65 | 23.61 | | |
| 10 | 25 | 0 | | 22.68 | 22.76 | 22.67 | | |
| 10 | 25 | 12 | | 22.74 | 22.73 | 22.70 | | |
| 10 | 25 | 25 | | 22.69 | 22.69 | 22.80 | | |
| 10 | 50 | 0 | | 22.76 | 22.77 | 22.72 | | |
| 10 | 1 | 0 | 16-QAM | 22.98 | 22.94 | 22.93 | 19.32 | 0.0855 |
| 10 | 1 | 25 | | 22.91 | 22.91 | 23.01 | | |
| 10 | 1 | 49 | | 22.98 | 23.04 | 23.13 | | |
| 10 | 25 | 0 | | 21.72 | 21.61 | 21.69 | | |
| 10 | 25 | 12 | | 21.74 | 21.73 | 21.71 | | |
| 10 | 25 | 25 | | 21.72 | 21.64 | 21.75 | | |
| 10 | 50 | 0 | | 21.76 | 21.71 | 21.70 | | |
| 10 | 1 | 0 | 64-QAM | 21.82 | 21.75 | 21.77 | 18.19 | 0.0659 |
| 10 | 1 | 25 | | 21.50 | 21.79 | 21.88 | | |
| 10 | 1 | 49 | | 21.90 | 21.89 | 22.00 | | |
| 10 | 25 | 0 | | 20.73 | 20.67 | 20.74 | | |
| 10 | 25 | 12 | | 20.79 | 20.75 | 20.75 | | |
| 10 | 25 | 25 | | 20.75 | 20.74 | 20.83 | | |
| 10 | 50 | 0 | | 20.80 | 20.75 | 20.75 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.66 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.43 | 23.45 | 23.61 | 19.85 | 0.0966 |
| 5 | 1 | 12 | | 23.58 | 23.62 | 23.66 | | |
| 5 | 1 | 24 | | 23.56 | 23.60 | 23.59 | | |
| 5 | 12 | 0 | | 22.60 | 22.67 | 22.70 | | |
| 5 | 12 | 7 | | 22.68 | 22.79 | 22.84 | | |
| 5 | 12 | 13 | | 22.83 | 22.83 | 22.78 | | |
| 5 | 25 | 0 | | 22.69 | 22.80 | 22.76 | | |
| 5 | 1 | 0 | 16-QAM | 22.85 | 22.90 | 23.01 | 19.34 | 0.0859 |
| 5 | 1 | 12 | | 22.90 | 22.98 | 23.06 | | |
| 5 | 1 | 24 | | 23.15 | 23.01 | 23.07 | | |
| 5 | 12 | 0 | | 21.59 | 21.69 | 21.72 | | |
| 5 | 12 | 7 | | 21.67 | 21.74 | 21.89 | | |
| 5 | 12 | 13 | | 21.82 | 21.76 | 21.80 | | |
| 5 | 25 | 0 | | 21.77 | 21.71 | 21.68 | | |
| 5 | 1 | 0 | 64-QAM | 21.77 | 21.70 | 21.92 | 18.2 | 0.0661 |
| 5 | 1 | 12 | | 21.87 | 21.96 | 21.96 | | |
| 5 | 1 | 24 | | 21.97 | 22.00 | 22.01 | | |
| 5 | 12 | 0 | | 20.62 | 20.78 | 20.76 | | |
| 5 | 12 | 7 | | 20.76 | 20.84 | 20.86 | | |
| 5 | 12 | 13 | | 20.85 | 20.83 | 20.84 | | |
| 5 | 25 | 0 | | 20.73 | 20.75 | 20.74 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.66 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.46 | 23.54 | 23.63 | 19.85 | 0.0966 |
| 3 | 1 | 8 | | 23.58 | 23.63 | 23.66 | | |
| 3 | 1 | 14 | | 23.63 | 23.65 | 23.55 | | |
| 3 | 8 | 0 | | 22.55 | 22.69 | 22.76 | | |
| 3 | 8 | 4 | | 22.70 | 22.73 | 22.85 | | |
| 3 | 8 | 7 | | 22.81 | 22.82 | 22.83 | | |
| 3 | 15 | 0 | | 22.66 | 22.81 | 22.71 | | |
| 3 | 1 | 0 | 16-QAM | 22.79 | 22.90 | 23.05 | 19.29 | 0.0849 |
| 3 | 1 | 8 | | 22.92 | 22.99 | 22.97 | | |
| 3 | 1 | 14 | | 23.10 | 23.08 | 23.03 | | |
| 3 | 8 | 0 | | 21.56 | 21.64 | 21.73 | | |
| 3 | 8 | 4 | | 21.67 | 21.81 | 21.89 | | |
| 3 | 8 | 7 | | 21.83 | 21.77 | 21.83 | | |
| 3 | 15 | 0 | | 21.69 | 21.78 | 21.70 | | |
| 3 | 1 | 0 | 64-QAM | 21.72 | 21.75 | 21.89 | 18.2 | 0.0661 |
| 3 | 1 | 8 | | 21.83 | 22.01 | 21.92 | | |
| 3 | 1 | 14 | | 21.96 | 21.99 | 21.98 | | |
| 3 | 8 | 0 | | 20.68 | 20.73 | 20.77 | | |
| 3 | 8 | 4 | | 20.73 | 20.84 | 20.85 | | |
| 3 | 8 | 7 | | 20.78 | 20.84 | 20.77 | | |
| 3 | 15 | 0 | | 20.74 | 20.77 | 20.77 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 12 Maximum Average Power [dBm] (GT - LC = -1.66 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.50 | 23.54 | 23.66 | 19.86 | 0.0968 |
| 1.4 | 1 | 3 | | 23.49 | 23.63 | 23.67 | | |
| 1.4 | 1 | 5 | | 23.62 | 23.55 | 23.58 | | |
| 1.4 | 3 | 0 | | 23.44 | 23.45 | 23.59 | | |
| 1.4 | 3 | 1 | | 23.54 | 23.63 | 23.63 | | |
| 1.4 | 3 | 3 | | 23.54 | 23.59 | 23.56 | | |
| 1.4 | 6 | 0 | | 22.66 | 22.79 | 22.71 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.79 | 22.93 | 23.00 | 19.35 | 0.0861 |
| 1.4 | 1 | 3 | | 22.86 | 22.97 | 22.96 | | |
| 1.4 | 1 | 5 | | 23.13 | 23.06 | 23.06 | | |
| 1.4 | 3 | 0 | | 22.81 | 22.88 | 23.00 | | |
| 1.4 | 3 | 1 | | 22.96 | 23.01 | 23.03 | | |
| 1.4 | 3 | 3 | | 23.16 | 23.06 | 23.01 | | |
| 1.4 | 6 | 0 | | 21.72 | 21.75 | 21.73 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.78 | 21.73 | 21.92 | 18.21 | 0.0662 |
| 1.4 | 1 | 3 | | 21.90 | 21.99 | 21.93 | | |
| 1.4 | 1 | 5 | | 21.99 | 21.98 | 21.99 | | |
| 1.4 | 3 | 0 | | 21.75 | 21.69 | 21.86 | | |
| 1.4 | 3 | 1 | | 21.84 | 22.02 | 21.95 | | |
| 1.4 | 3 | 3 | | 22.00 | 22.00 | 21.92 | | |
| 1.4 | 6 | 0 | | 20.78 | 20.80 | 20.73 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 13 Maximum Average Power [dBm] (GT - LC = -1.44 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | | 23.76 | | 20.17 | 0.1040 |
| 10 | 1 | 25 | | | 23.54 | | | |
| 10 | 1 | 49 | | | 23.51 | | | |
| 10 | 25 | 0 | | | 22.75 | | | |
| 10 | 25 | 12 | | | 22.72 | | | |
| 10 | 25 | 25 | | | 22.64 | | | |
| 10 | 50 | 0 | | | 22.75 | | | |
| 10 | 1 | 0 | 16-QAM | - | 22.98 | - | 19.39 | 0.0869 |
| 10 | 1 | 25 | | | 22.91 | | | |
| 10 | 1 | 49 | | | 22.91 | | | |
| 10 | 25 | 0 | | | 21.74 | | | |
| 10 | 25 | 12 | | | 21.78 | | | |
| 10 | 25 | 25 | | | 21.71 | | | |
| 10 | 50 | 0 | | | 21.77 | | | |
| 10 | 1 | 0 | 64-QAM | | 21.85 | | 18.3 | 0.0676 |
| 10 | 1 | 25 | | | 21.89 | | | |
| 10 | 1 | 49 | | | 21.80 | | | |
| 10 | 25 | 0 | | | 20.71 | | | |
| 10 | 25 | 12 | | | 20.78 | | | |
| 10 | 25 | 25 | | | 20.76 | | | |
| 10 | 50 | 0 | | | 20.81 | | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 13 Maximum Average Power [dBm] (GT - LC = -1.44 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.66 | 23.60 | 23.60 | 20.14 | 0.1033 |
| 5 | 1 | 12 | | 23.66 | 23.60 | 23.63 | | |
| 5 | 1 | 24 | | 23.73 | 23.64 | 23.67 | | |
| 5 | 12 | 0 | | 22.92 | 22.68 | 22.66 | | |
| 5 | 12 | 7 | | 22.84 | 22.73 | 22.75 | | |
| 5 | 12 | 13 | | 22.80 | 22.70 | 22.74 | | |
| 5 | 25 | 0 | | 22.83 | 22.69 | 22.71 | | |
| 5 | 1 | 0 | 16-QAM | 22.97 | 22.88 | 22.86 | 19.38 | 0.0867 |
| 5 | 1 | 12 | | 22.81 | 22.88 | 22.82 | | |
| 5 | 1 | 24 | | 22.96 | 22.91 | 22.97 | | |
| 5 | 12 | 0 | | 21.85 | 21.71 | 21.73 | | |
| 5 | 12 | 7 | | 21.78 | 21.75 | 21.78 | | |
| 5 | 12 | 13 | | 21.76 | 21.74 | 21.78 | | |
| 5 | 25 | 0 | | 21.84 | 21.74 | 21.76 | | |
| 5 | 1 | 0 | 64-QAM | 21.86 | 21.82 | 21.77 | 18.27 | 0.0671 |
| 5 | 1 | 12 | | 21.81 | 21.84 | 21.77 | | |
| 5 | 1 | 24 | | 21.79 | 21.82 | 21.78 | | |
| 5 | 12 | 0 | | 20.92 | 20.78 | 20.80 | | |
| 5 | 12 | 7 | | 20.83 | 20.80 | 20.82 | | |
| 5 | 12 | 13 | | 20.81 | 20.77 | 20.81 | | |
| 5 | 25 | 0 | | 20.84 | 20.77 | 20.77 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.63 | 23.75 | 23.69 | 20.01 | 0.1002 |
| 10 | 1 | 25 | | 23.63 | 23.62 | 23.64 | | |
| 10 | 1 | 49 | | 23.68 | 23.65 | 23.64 | | |
| 10 | 25 | 0 | | 22.65 | 22.81 | 22.66 | | |
| 10 | 25 | 12 | | 22.82 | 22.76 | 22.74 | | |
| 10 | 25 | 25 | | 22.83 | 22.79 | 22.86 | | |
| 10 | 50 | 0 | | 22.73 | 22.74 | 22.74 | | |
| 10 | 1 | 0 | 16-QAM | 22.96 | 22.92 | 22.95 | 19.35 | 0.0861 |
| 10 | 1 | 25 | | 23.03 | 23.08 | 23.06 | | |
| 10 | 1 | 49 | | 23.08 | 23.09 | 23.04 | | |
| 10 | 25 | 0 | | 21.67 | 21.63 | 21.67 | | |
| 10 | 25 | 12 | | 21.85 | 21.77 | 21.74 | | |
| 10 | 25 | 25 | | 21.87 | 21.78 | 21.77 | | |
| 10 | 50 | 0 | | 21.71 | 21.73 | 21.72 | | |
| 10 | 1 | 0 | 64-QAM | 21.80 | 21.69 | 21.77 | 18.23 | 0.0665 |
| 10 | 1 | 25 | | 21.95 | 21.96 | 21.92 | | |
| 10 | 1 | 49 | | 21.95 | 21.97 | 21.97 | | |
| 10 | 25 | 0 | | 20.69 | 20.68 | 20.73 | | |
| 10 | 25 | 12 | | 20.89 | 20.82 | 20.81 | | |
| 10 | 25 | 25 | | 20.89 | 20.90 | 20.87 | | |
| 10 | 50 | 0 | | 20.75 | 20.78 | 20.76 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 17 Maximum Average Power [dBm] (GT - LC = -1.59 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.69 | 23.65 | 23.64 | 19.96 | 0.0991 |
| 5 | 1 | 12 | | 23.41 | 23.65 | 23.70 | | |
| 5 | 1 | 24 | | 23.57 | 23.67 | 23.69 | | |
| 5 | 12 | 0 | | 22.50 | 22.65 | 22.74 | | |
| 5 | 12 | 7 | | 22.65 | 22.73 | 22.91 | | |
| 5 | 12 | 13 | | 22.63 | 22.88 | 22.95 | | |
| 5 | 25 | 0 | | 22.68 | 22.83 | 22.89 | | |
| 5 | 1 | 0 | 16-QAM | 22.87 | 22.96 | 23.04 | 19.44 | 0.0879 |
| 5 | 1 | 12 | | 22.78 | 23.04 | 23.01 | | |
| 5 | 1 | 24 | | 23.00 | 23.18 | 23.11 | | |
| 5 | 12 | 0 | | 21.50 | 21.66 | 21.73 | | |
| 5 | 12 | 7 | | 21.70 | 21.80 | 21.82 | | |
| 5 | 12 | 13 | | 21.61 | 21.78 | 21.94 | | |
| 5 | 25 | 0 | | 21.69 | 21.75 | 21.80 | | |
| 5 | 1 | 0 | 64-QAM | 21.71 | 21.87 | 21.91 | 18.3 | 0.0676 |
| 5 | 1 | 12 | | 21.73 | 21.94 | 21.96 | | |
| 5 | 1 | 24 | | 21.89 | 22.04 | 22.02 | | |
| 5 | 12 | 0 | | 20.56 | 20.74 | 20.79 | | |
| 5 | 12 | 7 | | 20.70 | 20.78 | 20.96 | | |
| 5 | 12 | 13 | | 20.70 | 20.93 | 20.87 | | |
| 5 | 25 | 0 | | 20.69 | 20.83 | 20.90 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 23.96 | 23.97 | 23.89 | 21.39 | 0.1377 |
| 15 | 1 | 37 | | 23.88 | 23.89 | 23.87 | | |
| 15 | 1 | 74 | | 23.94 | 23.88 | 23.38 | | |
| 15 | 36 | 0 | | 23.05 | 23.07 | 23.02 | | |
| 15 | 36 | 20 | | 23.09 | 23.06 | 23.08 | | |
| 15 | 36 | 39 | | 23.07 | 23.06 | 23.05 | | |
| 15 | 75 | 0 | | 23.11 | 23.06 | 22.98 | | |
| 15 | 1 | 0 | 16-QAM | 23.38 | 23.21 | 23.23 | 20.8 | 0.1202 |
| 15 | 1 | 37 | | 23.21 | 23.22 | 23.25 | | |
| 15 | 1 | 74 | | 23.36 | 23.27 | 22.76 | | |
| 15 | 36 | 0 | | 22.08 | 22.00 | 22.00 | | |
| 15 | 36 | 20 | | 22.11 | 22.06 | 22.06 | | |
| 15 | 36 | 39 | | 22.09 | 22.05 | 22.05 | | |
| 15 | 75 | 0 | | 22.11 | 22.06 | 22.03 | | |
| 15 | 1 | 0 | 64-QAM | 21.93 | 22.06 | 22.09 | 19.71 | 0.0935 |
| 15 | 1 | 37 | | 22.04 | 22.14 | 22.14 | | |
| 15 | 1 | 74 | | 22.29 | 22.16 | 21.09 | | |
| 15 | 36 | 0 | | 20.64 | 21.04 | 21.07 | | |
| 15 | 36 | 20 | | 20.83 | 21.10 | 21.14 | | |
| 15 | 36 | 39 | | 21.09 | 21.09 | 20.71 | | |
| 15 | 75 | 0 | | 20.97 | 21.07 | 20.84 | | |
| Limit | ERP < 5W | | | Result | | | Pass | |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.74 | 23.73 | 23.68 | 21.16 | 0.1306 |
| 10 | 1 | 25 | | 23.68 | 23.68 | 23.61 | | |
| 10 | 1 | 49 | | 23.59 | 23.68 | 23.58 | | |
| 10 | 25 | 0 | | 22.86 | 22.73 | 22.81 | | |
| 10 | 25 | 12 | | 22.83 | 22.80 | 22.81 | | |
| 10 | 25 | 25 | | 22.80 | 22.75 | 22.72 | | |
| 10 | 50 | 0 | | 22.90 | 22.75 | 22.77 | | |
| 10 | 1 | 0 | 16-QAM | 22.91 | 22.97 | 22.98 | 20.41 | 0.1099 |
| 10 | 1 | 25 | | 22.95 | 22.95 | 22.94 | | |
| 10 | 1 | 49 | | 22.99 | 22.92 | 22.87 | | |
| 10 | 25 | 0 | | 21.74 | 21.74 | 21.79 | | |
| 10 | 25 | 12 | | 21.79 | 21.83 | 21.79 | | |
| 10 | 25 | 25 | | 21.80 | 21.74 | 21.73 | | |
| 10 | 50 | 0 | | 21.84 | 21.73 | 21.81 | | |
| 10 | 1 | 0 | 64-QAM | 21.78 | 21.87 | 21.92 | 19.35 | 0.0861 |
| 10 | 1 | 25 | | 21.90 | 21.93 | 21.89 | | |
| 10 | 1 | 49 | | 21.72 | 21.85 | 21.07 | | |
| 10 | 25 | 0 | | 20.89 | 20.83 | 20.82 | | |
| 10 | 25 | 12 | | 20.88 | 20.87 | 20.84 | | |
| 10 | 25 | 25 | | 20.86 | 20.83 | 20.83 | | |
| 10 | 50 | 0 | | 20.80 | 20.80 | 20.75 | | |
| Limit | ERP < 5W | | | Result | | | Pass | |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.75 | 23.71 | 23.76 | 21.18 | 0.1312 |
| 5 | 1 | 12 | | 23.65 | 23.60 | 23.65 | | |
| 5 | 1 | 24 | | 23.66 | 23.59 | 23.64 | | |
| 5 | 12 | 0 | | 22.80 | 22.74 | 22.78 | | |
| 5 | 12 | 7 | | 22.86 | 22.86 | 22.82 | | |
| 5 | 12 | 13 | | 22.84 | 22.78 | 22.72 | | |
| 5 | 25 | 0 | | 22.85 | 22.80 | 22.79 | | |
| 5 | 1 | 0 | 16-QAM | 22.83 | 22.92 | 22.95 | 20.4 | 0.1096 |
| 5 | 1 | 12 | | 22.98 | 22.95 | 22.97 | | |
| 5 | 1 | 24 | | 22.98 | 22.98 | 22.84 | | |
| 5 | 12 | 0 | | 21.74 | 21.80 | 21.81 | | |
| 5 | 12 | 7 | | 21.89 | 21.88 | 21.84 | | |
| 5 | 12 | 13 | | 21.78 | 21.83 | 21.75 | | |
| 5 | 25 | 0 | | 21.88 | 21.79 | 21.74 | | |
| 5 | 1 | 0 | 64-QAM | 21.83 | 21.97 | 21.90 | 19.39 | 0.0869 |
| 5 | 1 | 12 | | 21.87 | 21.93 | 21.87 | | |
| 5 | 1 | 24 | | 21.82 | 21.85 | 21.09 | | |
| 5 | 12 | 0 | | 20.85 | 20.82 | 20.86 | | |
| 5 | 12 | 7 | | 20.80 | 20.85 | 20.83 | | |
| 5 | 12 | 13 | | 20.78 | 20.84 | 20.85 | | |
| 5 | 25 | 0 | | 20.82 | 20.80 | 20.77 | | |
| Limit | ERP < 5W | | | Result | | | Pass | |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 3 | 1 | 0 | QPSK | 23.79 | 23.78 | 23.66 | 21.21 | 0.1321 |
| 3 | 1 | 8 | | 23.66 | 23.66 | 23.61 | | |
| 3 | 1 | 14 | | 23.65 | 23.64 | 23.58 | | |
| 3 | 8 | 0 | | 22.84 | 22.79 | 22.79 | | |
| 3 | 8 | 4 | | 22.87 | 22.89 | 22.77 | | |
| 3 | 8 | 7 | | 22.77 | 22.83 | 22.78 | | |
| 3 | 15 | 0 | | 22.83 | 22.71 | 22.72 | | |
| 3 | 1 | 0 | 16-QAM | 22.92 | 22.94 | 23.05 | 20.47 | 0.1114 |
| 3 | 1 | 8 | | 22.92 | 22.95 | 23.00 | | |
| 3 | 1 | 14 | | 22.92 | 23.01 | 22.80 | | |
| 3 | 8 | 0 | | 21.76 | 21.81 | 21.78 | | |
| 3 | 8 | 4 | | 21.85 | 21.87 | 21.76 | | |
| 3 | 8 | 7 | | 21.78 | 21.82 | 21.73 | | |
| 3 | 15 | 0 | | 21.88 | 21.75 | 21.81 | | |
| 3 | 1 | 0 | 64-QAM | 21.78 | 21.91 | 21.89 | 19.33 | 0.0857 |
| 3 | 1 | 8 | | 21.80 | 21.88 | 21.91 | | |
| 3 | 1 | 14 | | 21.76 | 21.89 | 21.05 | | |
| 3 | 8 | 0 | | 20.79 | 20.85 | 20.80 | | |
| 3 | 8 | 4 | | 20.83 | 20.84 | 20.81 | | |
| 3 | 8 | 7 | | 20.81 | 20.86 | 20.78 | | |
| 3 | 15 | 0 | | 20.79 | 20.73 | 20.74 | | |
| Limit | ERP < 5W | | | Result | | | Pass | |



| LTE Band 26 Maximum Average Power [dBm] (GT - LC = -0.43 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 1.4 | 1 | 0 | QPSK | 23.76 | 23.69 | 23.67 | 21.18 | 0.1312 |
| 1.4 | 1 | 3 | | 23.70 | 23.61 | 23.64 | | |
| 1.4 | 1 | 5 | | 23.65 | 23.66 | 23.57 | | |
| 1.4 | 3 | 0 | | 23.73 | 23.73 | 23.76 | | |
| 1.4 | 3 | 1 | | 23.67 | 23.60 | 23.58 | | |
| 1.4 | 3 | 3 | | 23.60 | 23.59 | 23.59 | | |
| 1.4 | 6 | 0 | | 22.83 | 22.75 | 22.73 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.89 | 22.92 | 23.03 | 20.45 | 0.1109 |
| 1.4 | 1 | 3 | | 22.95 | 23.02 | 22.96 | | |
| 1.4 | 1 | 5 | | 22.99 | 22.96 | 22.89 | | |
| 1.4 | 3 | 0 | | 22.89 | 22.93 | 22.96 | | |
| 1.4 | 3 | 1 | | 22.91 | 22.99 | 23.01 | | |
| 1.4 | 3 | 3 | | 22.98 | 22.94 | 22.87 | | |
| 1.4 | 6 | 0 | | 21.80 | 21.77 | 21.81 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.87 | 21.92 | 21.90 | 19.35 | 0.0861 |
| 1.4 | 1 | 3 | | 21.86 | 21.89 | 21.92 | | |
| 1.4 | 1 | 5 | | 21.77 | 21.83 | 21.05 | | |
| 1.4 | 3 | 0 | | 21.79 | 21.89 | 21.93 | | |
| 1.4 | 3 | 1 | | 21.88 | 21.90 | 21.90 | | |
| 1.4 | 3 | 3 | | 21.74 | 21.86 | 21.12 | | |
| 1.4 | 6 | 0 | | 20.82 | 20.72 | 20.76 | | |
| Limit | ERP < 5W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.76 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.46 | 23.35 | 23.33 | 24.22 | 0.2642 |
| 20 | 1 | 49 | | 23.38 | 23.20 | 23.16 | | |
| 20 | 1 | 99 | | 23.36 | 23.19 | 23.17 | | |
| 20 | 50 | 0 | | 22.54 | 22.34 | 22.29 | | |
| 20 | 50 | 24 | | 22.55 | 22.39 | 22.39 | | |
| 20 | 50 | 50 | | 22.56 | 22.37 | 22.39 | | |
| 20 | 100 | 0 | | 22.62 | 22.37 | 22.38 | | |
| 20 | 1 | 0 | 16-QAM | 22.49 | 22.32 | 22.42 | 23.30 | 0.2138 |
| 20 | 1 | 49 | | 22.42 | 22.39 | 22.24 | | |
| 20 | 1 | 99 | | 22.54 | 22.35 | 22.29 | | |
| 20 | 50 | 0 | | 21.59 | 21.40 | 21.33 | | |
| 20 | 50 | 24 | | 21.60 | 21.44 | 21.40 | | |
| 20 | 50 | 50 | | 21.64 | 21.37 | 21.34 | | |
| 20 | 100 | 0 | | 21.65 | 21.36 | 21.44 | | |
| 20 | 1 | 0 | 64-QAM | 21.28 | 21.05 | 21.09 | 22.04 | 0.1600 |
| 20 | 1 | 49 | | 21.25 | 21.09 | 21.11 | | |
| 20 | 1 | 99 | | 21.25 | 21.04 | 21.11 | | |
| 20 | 50 | 0 | | 20.51 | 20.38 | 20.36 | | |
| 20 | 50 | 24 | | 20.60 | 20.33 | 20.41 | | |
| 20 | 50 | 50 | | 20.61 | 20.48 | 20.42 | | |
| 20 | 100 | 0 | | 20.58 | 20.35 | 20.37 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.76 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.36 | 23.34 | 23.20 | 24.17 | 0.2612 |
| 15 | 1 | 37 | | 23.37 | 23.23 | 23.23 | | |
| 15 | 1 | 74 | | 23.41 | 23.21 | 23.22 | | |
| 15 | 36 | 0 | | 22.46 | 22.40 | 22.37 | | |
| 15 | 36 | 20 | | 22.59 | 22.37 | 22.38 | | |
| 15 | 36 | 39 | | 22.51 | 22.43 | 22.40 | | |
| 15 | 75 | 0 | | 22.56 | 22.33 | 22.44 | | |
| 15 | 1 | 0 | 16-QAM | 22.53 | 22.26 | 22.33 | 23.32 | 0.2148 |
| 15 | 1 | 37 | | 22.41 | 22.37 | 22.27 | | |
| 15 | 1 | 74 | | 22.56 | 22.25 | 22.28 | | |
| 15 | 36 | 0 | | 21.54 | 21.38 | 21.35 | | |
| 15 | 36 | 20 | | 21.59 | 21.44 | 21.40 | | |
| 15 | 36 | 39 | | 21.57 | 21.39 | 21.41 | | |
| 15 | 75 | 0 | | 21.55 | 21.40 | 21.46 | | |
| 15 | 1 | 0 | 64-QAM | 21.20 | 20.95 | 21.09 | 22.00 | 0.1585 |
| 15 | 1 | 37 | | 21.20 | 21.09 | 21.12 | | |
| 15 | 1 | 74 | | 21.24 | 21.10 | 21.11 | | |
| 15 | 36 | 0 | | 20.61 | 20.40 | 20.41 | | |
| 15 | 36 | 20 | | 20.65 | 20.40 | 20.48 | | |
| 15 | 36 | 39 | | 20.66 | 20.40 | 20.41 | | |
| 15 | 75 | 0 | | 20.59 | 20.33 | 20.44 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.76 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.38 | 23.35 | 23.26 | 24.17 | 0.2612 |
| 10 | 1 | 25 | | 23.34 | 23.23 | 23.19 | | |
| 10 | 1 | 49 | | 23.41 | 23.26 | 23.16 | | |
| 10 | 25 | 0 | | 22.49 | 22.36 | 22.29 | | |
| 10 | 25 | 12 | | 22.65 | 22.34 | 22.42 | | |
| 10 | 25 | 25 | | 22.51 | 22.36 | 22.31 | | |
| 10 | 50 | 0 | | 22.62 | 22.36 | 22.44 | | |
| 10 | 1 | 0 | 16-QAM | 22.55 | 22.35 | 22.37 | 23.34 | 0.2158 |
| 10 | 1 | 25 | | 22.40 | 22.32 | 22.32 | | |
| 10 | 1 | 49 | | 22.58 | 22.28 | 22.33 | | |
| 10 | 25 | 0 | | 21.54 | 21.45 | 21.31 | | |
| 10 | 25 | 12 | | 21.55 | 21.37 | 21.47 | | |
| 10 | 25 | 25 | | 21.58 | 21.37 | 21.37 | | |
| 10 | 50 | 0 | | 21.62 | 21.37 | 21.36 | | |
| 10 | 1 | 0 | 64-QAM | 21.27 | 21.01 | 21.09 | 22.05 | 0.1603 |
| 10 | 1 | 25 | | 21.15 | 21.11 | 21.07 | | |
| 10 | 1 | 49 | | 21.29 | 21.05 | 21.07 | | |
| 10 | 25 | 0 | | 20.55 | 20.41 | 20.41 | | |
| 10 | 25 | 12 | | 20.58 | 20.35 | 20.47 | | |
| 10 | 25 | 25 | | 20.59 | 20.43 | 20.43 | | |
| 10 | 50 | 0 | | 20.62 | 20.34 | 20.44 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 38 Maximum Average Power [dBm] (GT - LC = 0.76 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.35 | 23.35 | 23.29 | 24.15 | 0.2600 |
| 5 | 1 | 12 | | 23.36 | 23.23 | 23.24 | | |
| 5 | 1 | 24 | | 23.39 | 23.24 | 23.18 | | |
| 5 | 12 | 0 | | 22.54 | 22.35 | 22.29 | | |
| 5 | 12 | 7 | | 22.60 | 22.32 | 22.42 | | |
| 5 | 12 | 13 | | 22.56 | 22.44 | 22.37 | | |
| 5 | 25 | 0 | | 22.57 | 22.37 | 22.41 | | |
| 5 | 1 | 0 | 16-QAM | 22.55 | 22.28 | 22.40 | 23.36 | 0.2168 |
| 5 | 1 | 12 | | 22.49 | 22.35 | 22.27 | | |
| 5 | 1 | 24 | | 22.60 | 22.35 | 22.33 | | |
| 5 | 12 | 0 | | 21.57 | 21.45 | 21.38 | | |
| 5 | 12 | 7 | | 21.55 | 21.40 | 21.47 | | |
| 5 | 12 | 13 | | 21.63 | 21.47 | 21.35 | | |
| 5 | 25 | 0 | | 21.58 | 21.34 | 21.42 | | |
| 5 | 1 | 0 | 64-QAM | 21.24 | 20.98 | 21.02 | 22.07 | 0.1611 |
| 5 | 1 | 12 | | 21.22 | 21.06 | 21.11 | | |
| 5 | 1 | 24 | | 21.31 | 21.06 | 21.11 | | |
| 5 | 12 | 0 | | 20.60 | 20.36 | 20.38 | | |
| 5 | 12 | 7 | | 20.64 | 20.34 | 20.42 | | |
| 5 | 12 | 13 | | 20.66 | 20.49 | 20.37 | | |
| 5 | 25 | 0 | | 20.60 | 20.31 | 20.40 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.53 | 23.72 | 23.35 | 25.34 | 0.3420 |
| 20 | 1 | 49 | | 23.44 | 23.47 | 23.25 | | |
| 20 | 1 | 99 | | 23.43 | 23.64 | 23.21 | | |
| 20 | 50 | 0 | | 22.63 | 22.73 | 22.30 | | |
| 20 | 50 | 24 | | 22.56 | 22.69 | 22.28 | | |
| 20 | 50 | 50 | | 22.58 | 22.65 | 22.29 | | |
| 20 | 100 | 0 | | 22.65 | 22.80 | 22.28 | | |
| 20 | 1 | 0 | 16-QAM | 22.61 | 22.76 | 22.31 | 24.38 | 0.2742 |
| 20 | 1 | 49 | | 22.49 | 22.65 | 22.27 | | |
| 20 | 1 | 99 | | 22.61 | 22.68 | 22.24 | | |
| 20 | 50 | 0 | | 21.59 | 21.65 | 21.37 | | |
| 20 | 50 | 24 | | 21.74 | 21.79 | 21.25 | | |
| 20 | 50 | 50 | | 21.67 | 21.71 | 21.35 | | |
| 20 | 100 | 0 | | 21.66 | 21.71 | 21.30 | | |
| 20 | 1 | 0 | 64-QAM | 21.35 | 21.48 | 20.98 | 23.10 | 0.2042 |
| 20 | 1 | 49 | | 21.26 | 21.32 | 20.91 | | |
| 20 | 1 | 99 | | 21.31 | 21.44 | 20.90 | | |
| 20 | 50 | 0 | | 20.63 | 20.75 | 20.30 | | |
| 20 | 50 | 24 | | 20.68 | 20.77 | 20.32 | | |
| 20 | 50 | 50 | | 20.61 | 20.75 | 20.30 | | |
| 20 | 100 | 0 | | 20.63 | 20.78 | 20.24 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.51 | 23.63 | 23.23 | 25.25 | 0.3350 |
| 15 | 1 | 37 | | 23.39 | 23.48 | 23.24 | | |
| 15 | 1 | 74 | | 23.45 | 23.63 | 23.20 | | |
| 15 | 36 | 0 | | 22.48 | 22.64 | 22.33 | | |
| 15 | 36 | 20 | | 22.60 | 22.70 | 22.25 | | |
| 15 | 36 | 39 | | 22.56 | 22.71 | 22.28 | | |
| 15 | 75 | 0 | | 22.63 | 22.75 | 22.24 | | |
| 15 | 1 | 0 | 16-QAM | 22.54 | 22.70 | 22.33 | 24.32 | 0.2704 |
| 15 | 1 | 37 | | 22.40 | 22.60 | 22.31 | | |
| 15 | 1 | 74 | | 22.58 | 22.66 | 22.34 | | |
| 15 | 36 | 0 | | 21.53 | 21.64 | 21.37 | | |
| 15 | 36 | 20 | | 21.69 | 21.77 | 21.23 | | |
| 15 | 36 | 39 | | 21.57 | 21.79 | 21.31 | | |
| 15 | 75 | 0 | | 21.68 | 21.68 | 21.29 | | |
| 15 | 1 | 0 | 64-QAM | 21.31 | 21.49 | 21.03 | 23.11 | 0.2046 |
| 15 | 1 | 37 | | 21.20 | 21.31 | 20.95 | | |
| 15 | 1 | 74 | | 21.37 | 21.40 | 20.98 | | |
| 15 | 36 | 0 | | 20.61 | 20.71 | 20.33 | | |
| 15 | 36 | 20 | | 20.69 | 20.73 | 20.25 | | |
| 15 | 36 | 39 | | 20.59 | 20.76 | 20.33 | | |
| 15 | 75 | 0 | | 20.67 | 20.73 | 20.32 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.51 | 23.69 | 23.29 | 25.31 | 0.3396 |
| 10 | 1 | 25 | | 23.41 | 23.56 | 23.15 | | |
| 10 | 1 | 49 | | 23.43 | 23.57 | 23.17 | | |
| 10 | 25 | 0 | | 22.52 | 22.66 | 22.27 | | |
| 10 | 25 | 12 | | 22.61 | 22.68 | 22.31 | | |
| 10 | 25 | 25 | | 22.57 | 22.65 | 22.29 | | |
| 10 | 50 | 0 | | 22.65 | 22.79 | 22.28 | | |
| 10 | 1 | 0 | 16-QAM | 22.64 | 22.67 | 22.36 | 24.38 | 0.2742 |
| 10 | 1 | 25 | | 22.49 | 22.64 | 22.30 | | |
| 10 | 1 | 49 | | 22.55 | 22.76 | 22.33 | | |
| 10 | 25 | 0 | | 21.55 | 21.69 | 21.27 | | |
| 10 | 25 | 12 | | 21.63 | 21.81 | 21.31 | | |
| 10 | 25 | 25 | | 21.60 | 21.69 | 21.29 | | |
| 10 | 50 | 0 | | 21.63 | 21.73 | 21.27 | | |
| 10 | 1 | 0 | 64-QAM | 21.38 | 21.48 | 21.02 | 23.10 | 0.2042 |
| 10 | 1 | 25 | | 21.21 | 21.34 | 20.91 | | |
| 10 | 1 | 49 | | 21.32 | 21.39 | 20.89 | | |
| 10 | 25 | 0 | | 20.54 | 20.70 | 20.35 | | |
| 10 | 25 | 12 | | 20.66 | 20.70 | 20.31 | | |
| 10 | 25 | 25 | | 20.67 | 20.74 | 20.32 | | |
| 10 | 50 | 0 | | 20.70 | 20.77 | 20.31 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41 Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.45 | 23.64 | 23.33 | 25.26 | 0.3357 |
| 5 | 1 | 12 | | 23.46 | 23.52 | 23.22 | | |
| 5 | 1 | 24 | | 23.43 | 23.60 | 23.23 | | |
| 5 | 12 | 0 | | 22.49 | 22.68 | 22.27 | | |
| 5 | 12 | 7 | | 22.64 | 22.74 | 22.23 | | |
| 5 | 12 | 13 | | 22.56 | 22.68 | 22.33 | | |
| 5 | 25 | 0 | | 22.64 | 22.75 | 22.28 | | |
| 5 | 1 | 0 | 16-QAM | 22.56 | 22.76 | 22.38 | 24.38 | 0.2742 |
| 5 | 1 | 12 | | 22.48 | 22.66 | 22.31 | | |
| 5 | 1 | 24 | | 22.52 | 22.72 | 22.31 | | |
| 5 | 12 | 0 | | 21.58 | 21.65 | 21.33 | | |
| 5 | 12 | 7 | | 21.66 | 21.81 | 21.24 | | |
| 5 | 12 | 13 | | 21.57 | 21.71 | 21.29 | | |
| 5 | 25 | 0 | | 21.64 | 21.68 | 21.30 | | |
| 5 | 1 | 0 | 64-QAM | 21.35 | 21.41 | 20.94 | 23.10 | 0.2042 |
| 5 | 1 | 12 | | 21.27 | 21.37 | 20.94 | | |
| 5 | 1 | 24 | | 21.28 | 21.48 | 20.98 | | |
| 5 | 12 | 0 | | 20.60 | 20.76 | 20.38 | | |
| 5 | 12 | 7 | | 20.71 | 20.72 | 20.26 | | |
| 5 | 12 | 13 | | 20.58 | 20.71 | 20.29 | | |
| 5 | 25 | 0 | | 20.62 | 20.71 | 20.26 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 26.21 | 26.31 | 25.76 | 27.93 | 0.6209 |
| 20 | 1 | 49 | | 26.12 | 26.20 | 25.44 | | |
| 20 | 1 | 99 | | 26.17 | 26.28 | 25.56 | | |
| 20 | 50 | 0 | | 25.43 | 25.51 | 24.90 | | |
| 20 | 50 | 24 | | 25.41 | 22.41 | 24.57 | | |
| 20 | 50 | 50 | | 25.39 | 25.47 | 24.24 | | |
| 20 | 100 | 0 | | 25.41 | 25.48 | 24.53 | | |
| 20 | 1 | 0 | 16-QAM | 25.50 | 25.60 | 25.09 | 27.23 | 0.5284 |
| 20 | 1 | 49 | | 25.46 | 25.57 | 24.80 | | |
| 20 | 1 | 99 | | 25.51 | 25.61 | 24.13 | | |
| 20 | 50 | 0 | | 24.35 | 24.45 | 24.02 | | |
| 20 | 50 | 24 | | 24.46 | 24.52 | 23.75 | | |
| 20 | 50 | 50 | | 24.43 | 24.50 | 23.39 | | |
| 20 | 100 | 0 | | 24.43 | 24.51 | 23.61 | | |
| 20 | 1 | 0 | 64-QAM | 24.33 | 24.45 | 23.30 | 26.07 | 0.4046 |
| 20 | 1 | 49 | | 24.35 | 24.41 | 23.21 | | |
| 20 | 1 | 99 | | 24.45 | 24.39 | 23.12 | | |
| 20 | 50 | 0 | | 23.35 | 23.47 | 22.17 | | |
| 20 | 50 | 24 | | 23.45 | 23.48 | 22.14 | | |
| 20 | 50 | 50 | | 23.45 | 23.45 | 22.06 | | |
| 20 | 100 | 0 | | 23.45 | 23.37 | 22.08 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 26.12 | 26.24 | 25.68 | 27.86 | 0.6109 |
| 15 | 1 | 37 | | 26.09 | 26.14 | 25.36 | | |
| 15 | 1 | 74 | | 26.13 | 26.24 | 25.02 | | |
| 15 | 36 | 0 | | 25.33 | 25.36 | 24.85 | | |
| 15 | 36 | 20 | | 25.34 | 25.50 | 24.47 | | |
| 15 | 36 | 39 | | 25.33 | 25.39 | 24.16 | | |
| 15 | 75 | 0 | | 25.40 | 25.45 | 24.43 | | |
| 15 | 1 | 0 | 16-QAM | 25.41 | 25.60 | 25.02 | 27.22 | 0.5272 |
| 15 | 1 | 37 | | 25.44 | 25.53 | 24.72 | | |
| 15 | 1 | 74 | | 25.50 | 25.53 | 24.13 | | |
| 15 | 36 | 0 | | 24.28 | 24.45 | 23.98 | | |
| 15 | 36 | 20 | | 24.40 | 24.47 | 23.68 | | |
| 15 | 36 | 39 | | 24.41 | 24.45 | 23.30 | | |
| 15 | 75 | 0 | | 24.34 | 24.41 | 23.51 | | |
| 15 | 1 | 0 | 64-QAM | 24.24 | 24.36 | 23.29 | 26.00 | 0.3981 |
| 15 | 1 | 37 | | 24.28 | 24.38 | 23.18 | | |
| 15 | 1 | 74 | | 24.36 | 24.32 | 23.07 | | |
| 15 | 36 | 0 | | 23.33 | 23.41 | 22.11 | | |
| 15 | 36 | 20 | | 23.45 | 23.38 | 22.08 | | |
| 15 | 36 | 39 | | 23.37 | 23.40 | 22.05 | | |
| 15 | 75 | 0 | | 23.40 | 23.32 | 22.04 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 26.21 | 26.22 | 25.73 | 27.84 | 0.6081 |
| 10 | 1 | 25 | | 26.02 | 26.16 | 25.39 | | |
| 10 | 1 | 49 | | 26.15 | 26.21 | 24.96 | | |
| 10 | 25 | 0 | | 25.32 | 25.32 | 24.81 | | |
| 10 | 25 | 12 | | 25.37 | 25.50 | 24.51 | | |
| 10 | 25 | 25 | | 25.32 | 25.43 | 24.24 | | |
| 10 | 50 | 0 | | 25.37 | 25.46 | 24.43 | | |
| 10 | 1 | 0 | 16-QAM | 25.44 | 25.52 | 25.01 | 27.15 | 0.5188 |
| 10 | 1 | 25 | | 25.42 | 25.53 | 24.76 | | |
| 10 | 1 | 49 | | 25.45 | 25.53 | 24.07 | | |
| 10 | 25 | 0 | | 24.32 | 24.35 | 23.92 | | |
| 10 | 25 | 12 | | 24.41 | 24.48 | 23.72 | | |
| 10 | 25 | 25 | | 24.41 | 24.48 | 23.38 | | |
| 10 | 50 | 0 | | 24.43 | 24.51 | 23.60 | | |
| 10 | 1 | 0 | 64-QAM | 24.27 | 24.36 | 23.25 | 26.00 | 0.3981 |
| 10 | 1 | 25 | | 24.25 | 24.36 | 23.12 | | |
| 10 | 1 | 49 | | 24.38 | 24.31 | 23.05 | | |
| 10 | 25 | 0 | | 23.29 | 23.40 | 22.09 | | |
| 10 | 25 | 12 | | 23.41 | 23.48 | 22.12 | | |
| 10 | 25 | 25 | | 23.35 | 23.39 | 22.01 | | |
| 10 | 50 | 0 | | 23.43 | 23.37 | 22.07 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 41(HPUE) Maximum Average Power [dBm] (GT - LC = 1.62 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 26.14 | 26.20 | 25.77 | 27.90 | 0.6166 |
| 5 | 1 | 12 | | 26.06 | 26.16 | 25.43 | | |
| 5 | 1 | 24 | | 26.08 | 26.28 | 25.02 | | |
| 5 | 12 | 0 | | 25.31 | 25.40 | 24.84 | | |
| 5 | 12 | 7 | | 25.40 | 25.43 | 24.57 | | |
| 5 | 12 | 13 | | 25.31 | 25.46 | 24.14 | | |
| 5 | 25 | 0 | | 25.38 | 25.46 | 24.48 | | |
| 5 | 1 | 0 | 16-QAM | 25.47 | 25.51 | 25.04 | 27.18 | 0.5224 |
| 5 | 1 | 12 | | 25.44 | 25.54 | 24.77 | | |
| 5 | 1 | 24 | | 25.51 | 25.56 | 24.13 | | |
| 5 | 12 | 0 | | 24.33 | 24.43 | 23.97 | | |
| 5 | 12 | 7 | | 24.38 | 24.50 | 23.69 | | |
| 5 | 12 | 13 | | 24.41 | 24.42 | 23.39 | | |
| 5 | 25 | 0 | | 24.39 | 24.49 | 23.55 | | |
| 5 | 1 | 0 | 64-QAM | 24.30 | 24.37 | 23.26 | 26.03 | 0.4009 |
| 5 | 1 | 12 | | 24.32 | 24.41 | 23.16 | | |
| 5 | 1 | 24 | | 24.41 | 24.34 | 23.08 | | |
| 5 | 12 | 0 | | 23.32 | 23.44 | 22.08 | | |
| 5 | 12 | 7 | | 23.35 | 23.45 | 22.08 | | |
| 5 | 12 | 13 | | 23.39 | 23.36 | 22.04 | | |
| 5 | 25 | 0 | | 23.45 | 23.30 | 22.04 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.73 | 23.54 | 23.55 | 24.53 | 0.2838 |
| 20 | 1 | 49 | | 23.59 | 23.41 | 23.41 | | |
| 20 | 1 | 99 | | 23.62 | 23.43 | 23.37 | | |
| 20 | 50 | 0 | | 22.71 | 22.63 | 22.53 | | |
| 20 | 50 | 24 | | 22.65 | 22.60 | 22.50 | | |
| 20 | 50 | 50 | | 22.68 | 22.58 | 22.51 | | |
| 20 | 100 | 0 | | 22.73 | 22.59 | 22.49 | | |
| 20 | 1 | 0 | 16-QAM | 22.96 | 22.82 | 22.89 | 23.76 | 0.2377 |
| 20 | 1 | 49 | | 22.90 | 22.77 | 22.74 | | |
| 20 | 1 | 99 | | 22.87 | 22.76 | 22.67 | | |
| 20 | 50 | 0 | | 21.76 | 21.65 | 21.55 | | |
| 20 | 50 | 24 | | 21.75 | 21.62 | 21.51 | | |
| 20 | 50 | 50 | | 21.70 | 21.56 | 21.55 | | |
| 20 | 100 | 0 | | 21.72 | 21.58 | 21.49 | | |
| 20 | 1 | 0 | 64-QAM | 21.94 | 21.81 | 21.73 | 22.74 | 0.1879 |
| 20 | 1 | 49 | | 21.85 | 21.66 | 21.38 | | |
| 20 | 1 | 99 | | 21.86 | 21.75 | 21.60 | | |
| 20 | 50 | 0 | | 20.78 | 20.66 | 20.57 | | |
| 20 | 50 | 24 | | 20.79 | 20.66 | 20.55 | | |
| 20 | 50 | 50 | | 20.75 | 20.60 | 20.55 | | |
| 20 | 100 | 0 | | 20.76 | 20.62 | 20.51 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.64 | 23.48 | 23.46 | 24.44 | 0.2780 |
| 15 | 1 | 37 | | 23.59 | 23.24 | 23.24 | | |
| 15 | 1 | 74 | | 23.52 | 23.22 | 23.19 | | |
| 15 | 36 | 0 | | 22.75 | 22.40 | 22.47 | | |
| 15 | 36 | 20 | | 22.80 | 22.40 | 22.37 | | |
| 15 | 36 | 39 | | 22.74 | 22.45 | 22.43 | | |
| 15 | 75 | 0 | | 22.63 | 22.43 | 22.42 | | |
| 15 | 1 | 0 | 16-QAM | 22.86 | 22.63 | 22.69 | 23.67 | 0.2328 |
| 15 | 1 | 37 | | 22.81 | 22.66 | 22.65 | | |
| 15 | 1 | 74 | | 22.87 | 22.59 | 22.47 | | |
| 15 | 36 | 0 | | 21.72 | 21.45 | 21.49 | | |
| 15 | 36 | 20 | | 21.70 | 21.37 | 21.49 | | |
| 15 | 36 | 39 | | 21.69 | 21.49 | 21.46 | | |
| 15 | 75 | 0 | | 21.72 | 21.46 | 21.40 | | |
| 15 | 1 | 0 | 64-QAM | 21.82 | 21.56 | 21.51 | 22.62 | 0.1828 |
| 15 | 1 | 37 | | 21.77 | 21.46 | 21.58 | | |
| 15 | 1 | 74 | | 21.81 | 21.65 | 21.49 | | |
| 15 | 36 | 0 | | 20.61 | 20.48 | 20.54 | | |
| 15 | 36 | 20 | | 20.85 | 20.41 | 20.37 | | |
| 15 | 36 | 39 | | 20.74 | 20.50 | 20.43 | | |
| 15 | 75 | 0 | | 20.79 | 20.60 | 20.35 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.70 | 23.40 | 23.45 | 24.50 | 0.2818 |
| 10 | 1 | 25 | | 23.54 | 23.29 | 23.23 | | |
| 10 | 1 | 49 | | 23.55 | 23.22 | 23.24 | | |
| 10 | 25 | 0 | | 22.73 | 22.43 | 22.37 | | |
| 10 | 25 | 12 | | 22.83 | 22.39 | 22.44 | | |
| 10 | 25 | 25 | | 22.68 | 22.45 | 22.40 | | |
| 10 | 50 | 0 | | 22.71 | 22.43 | 22.42 | | |
| 10 | 1 | 0 | 16-QAM | 22.80 | 22.67 | 22.75 | 23.70 | 0.2344 |
| 10 | 1 | 25 | | 22.90 | 22.70 | 22.63 | | |
| 10 | 1 | 49 | | 22.84 | 22.67 | 22.49 | | |
| 10 | 25 | 0 | | 21.70 | 21.43 | 21.42 | | |
| 10 | 25 | 12 | | 21.65 | 21.42 | 21.49 | | |
| 10 | 25 | 25 | | 21.68 | 21.44 | 21.50 | | |
| 10 | 50 | 0 | | 21.71 | 21.48 | 21.42 | | |
| 10 | 1 | 0 | 64-QAM | 21.77 | 21.66 | 21.50 | 22.58 | 0.1811 |
| 10 | 1 | 25 | | 21.73 | 21.51 | 21.60 | | |
| 10 | 1 | 49 | | 21.78 | 21.64 | 21.41 | | |
| 10 | 25 | 0 | | 20.68 | 20.56 | 20.49 | | |
| 10 | 25 | 12 | | 20.80 | 20.39 | 20.43 | | |
| 10 | 25 | 25 | | 20.67 | 20.50 | 20.45 | | |
| 10 | 50 | 0 | | 20.75 | 20.50 | 20.36 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.71 | 23.47 | 23.43 | 24.51 | 0.2825 |
| 5 | 1 | 12 | | 23.57 | 23.26 | 23.27 | | |
| 5 | 1 | 24 | | 23.55 | 23.28 | 23.20 | | |
| 5 | 12 | 0 | | 22.77 | 22.43 | 22.42 | | |
| 5 | 12 | 7 | | 22.81 | 22.47 | 22.45 | | |
| 5 | 12 | 13 | | 22.66 | 22.40 | 22.40 | | |
| 5 | 25 | 0 | | 22.67 | 22.45 | 22.46 | | |
| 5 | 1 | 0 | 16-QAM | 22.89 | 22.69 | 22.69 | 23.69 | 0.2339 |
| 5 | 1 | 12 | | 22.83 | 22.65 | 22.62 | | |
| 5 | 1 | 24 | | 22.86 | 22.69 | 22.55 | | |
| 5 | 12 | 0 | | 21.75 | 21.40 | 21.50 | | |
| 5 | 12 | 7 | | 21.73 | 21.34 | 21.44 | | |
| 5 | 12 | 13 | | 21.71 | 21.51 | 21.48 | | |
| 5 | 25 | 0 | | 21.67 | 21.47 | 21.43 | | |
| 5 | 1 | 0 | 64-QAM | 21.75 | 21.63 | 21.55 | 22.56 | 0.1803 |
| 5 | 1 | 12 | | 21.76 | 21.54 | 21.55 | | |
| 5 | 1 | 24 | | 21.75 | 21.64 | 21.43 | | |
| 5 | 12 | 0 | | 20.63 | 20.57 | 20.51 | | |
| 5 | 12 | 7 | | 20.82 | 20.48 | 20.39 | | |
| 5 | 12 | 13 | | 20.72 | 20.52 | 20.39 | | |
| 5 | 25 | 0 | | 20.75 | 20.54 | 20.36 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.64 | 23.49 | 23.47 | 24.44 | 0.2780 |
| 3 | 1 | 8 | | 23.63 | 23.34 | 23.26 | | |
| 3 | 1 | 14 | | 23.49 | 23.19 | 23.19 | | |
| 3 | 8 | 0 | | 22.77 | 22.43 | 22.44 | | |
| 3 | 8 | 4 | | 22.83 | 22.39 | 22.41 | | |
| 3 | 8 | 7 | | 22.72 | 22.46 | 22.42 | | |
| 3 | 15 | 0 | | 22.70 | 22.50 | 22.37 | | |
| 3 | 1 | 0 | 16-QAM | 22.81 | 22.62 | 22.69 | 23.70 | 0.2344 |
| 3 | 1 | 8 | | 22.90 | 22.67 | 22.66 | | |
| 3 | 1 | 14 | | 22.89 | 22.59 | 22.56 | | |
| 3 | 8 | 0 | | 21.72 | 21.35 | 21.44 | | |
| 3 | 8 | 4 | | 21.67 | 21.37 | 21.48 | | |
| 3 | 8 | 7 | | 21.70 | 21.43 | 21.44 | | |
| 3 | 15 | 0 | | 21.65 | 21.39 | 21.40 | | |
| 3 | 1 | 0 | 64-QAM | 21.76 | 21.59 | 21.53 | 22.56 | 0.1803 |
| 3 | 1 | 8 | | 21.70 | 21.48 | 21.53 | | |
| 3 | 1 | 14 | | 21.76 | 21.55 | 21.47 | | |
| 3 | 8 | 0 | | 20.64 | 20.56 | 20.49 | | |
| 3 | 8 | 4 | | 20.85 | 20.46 | 20.45 | | |
| 3 | 8 | 7 | | 20.75 | 20.49 | 20.41 | | |
| 3 | 15 | 0 | | 20.76 | 20.53 | 20.43 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.71 | 23.42 | 23.41 | 24.51 | 0.2825 |
| 1.4 | 1 | 3 | | 23.62 | 23.25 | 23.21 | | |
| 1.4 | 1 | 5 | | 23.50 | 23.25 | 23.18 | | |
| 1.4 | 3 | 0 | | 23.66 | 23.47 | 23.49 | | |
| 1.4 | 3 | 1 | | 23.54 | 23.25 | 23.27 | | |
| 1.4 | 3 | 3 | | 23.53 | 23.27 | 23.25 | | |
| 1.4 | 6 | 0 | | 22.64 | 22.51 | 22.36 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.89 | 22.67 | 22.67 | 23.70 | 0.2344 |
| 1.4 | 1 | 3 | | 22.89 | 22.68 | 22.60 | | |
| 1.4 | 1 | 5 | | 22.90 | 22.64 | 22.51 | | |
| 1.4 | 3 | 0 | | 22.86 | 22.68 | 22.75 | | |
| 1.4 | 3 | 1 | | 22.87 | 22.66 | 22.61 | | |
| 1.4 | 3 | 3 | | 22.88 | 22.65 | 22.47 | | |
| 1.4 | 6 | 0 | | 21.72 | 21.43 | 21.36 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.83 | 21.58 | 21.58 | 22.63 | 0.1832 |
| 1.4 | 1 | 3 | | 21.73 | 21.49 | 21.55 | | |
| 1.4 | 1 | 5 | | 21.74 | 21.60 | 21.40 | | |
| 1.4 | 3 | 0 | | 21.81 | 21.57 | 21.57 | | |
| 1.4 | 3 | 1 | | 21.75 | 21.45 | 21.61 | | |
| 1.4 | 3 | 3 | | 21.75 | 21.55 | 21.42 | | |
| 1.4 | 6 | 0 | | 20.79 | 20.59 | 20.40 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.91 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 20 | 1 | 0 | QPSK | 23.94 | 23.80 | 23.72 | 19.88 | 0.0973 |
| 20 | 1 | 49 | | 23.87 | 23.78 | 23.76 | | |
| 20 | 1 | 99 | | 23.89 | 23.71 | 23.74 | | |
| 20 | 50 | 0 | | 22.92 | 22.89 | 22.81 | | |
| 20 | 50 | 24 | | 23.08 | 22.81 | 22.85 | | |
| 20 | 50 | 50 | | 23.01 | 22.87 | 22.93 | | |
| 20 | 100 | 0 | | 23.00 | 22.80 | 22.83 | | |
| 20 | 1 | 0 | 16-QAM | 23.29 | 23.08 | 23.07 | 19.23 | 0.0838 |
| 20 | 1 | 49 | | 23.12 | 23.03 | 23.03 | | |
| 20 | 1 | 99 | | 23.11 | 23.09 | 23.06 | | |
| 20 | 50 | 0 | | 21.84 | 21.82 | 21.84 | | |
| 20 | 50 | 24 | | 21.90 | 21.85 | 21.87 | | |
| 20 | 50 | 50 | | 21.86 | 21.91 | 21.95 | | |
| 20 | 100 | 0 | | 21.85 | 21.81 | 21.83 | | |
| 20 | 1 | 0 | 64-QAM | 21.95 | 21.90 | 21.94 | 18 | 0.0631 |
| 20 | 1 | 49 | | 21.91 | 21.98 | 21.92 | | |
| 20 | 1 | 99 | | 21.94 | 22.06 | 22.03 | | |
| 20 | 50 | 0 | | 20.78 | 20.79 | 20.86 | | |
| 20 | 50 | 24 | | 20.87 | 20.86 | 20.87 | | |
| 20 | 50 | 50 | | 20.85 | 20.91 | 20.95 | | |
| 20 | 100 | 0 | | 20.86 | 20.84 | 20.87 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.91 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 15 | 1 | 0 | QPSK | 23.96 | 23.85 | 23.65 | 19.9 | 0.0977 |
| 15 | 1 | 37 | | 23.83 | 23.79 | 23.60 | | |
| 15 | 1 | 74 | | 23.88 | 23.70 | 23.58 | | |
| 15 | 36 | 0 | | 22.93 | 22.91 | 22.67 | | |
| 15 | 36 | 20 | | 23.04 | 22.87 | 22.76 | | |
| 15 | 36 | 39 | | 22.98 | 22.87 | 22.65 | | |
| 15 | 75 | 0 | | 22.98 | 22.86 | 22.71 | | |
| 15 | 1 | 0 | 16-QAM | 23.33 | 23.17 | 22.88 | 19.27 | 0.0845 |
| 15 | 1 | 37 | | 23.18 | 23.02 | 22.89 | | |
| 15 | 1 | 74 | | 23.10 | 22.98 | 22.89 | | |
| 15 | 36 | 0 | | 22.05 | 21.87 | 21.69 | | |
| 15 | 36 | 20 | | 22.01 | 21.86 | 21.67 | | |
| 15 | 36 | 39 | | 22.03 | 21.77 | 21.62 | | |
| 15 | 75 | 0 | | 22.01 | 21.82 | 21.70 | | |
| 15 | 1 | 0 | 64-QAM | 22.14 | 21.80 | 21.87 | 18.14 | 0.0652 |
| 15 | 1 | 37 | | 22.20 | 21.84 | 21.82 | | |
| 15 | 1 | 74 | | 21.99 | 21.83 | 21.79 | | |
| 15 | 36 | 0 | | 21.06 | 20.82 | 20.67 | | |
| 15 | 36 | 20 | | 20.96 | 20.79 | 20.75 | | |
| 15 | 36 | 39 | | 21.03 | 20.81 | 20.69 | | |
| 15 | 75 | 0 | | 21.09 | 20.67 | 20.68 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.91 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 10 | 1 | 0 | QPSK | 23.94 | 23.87 | 23.62 | 19.88 | 0.0973 |
| 10 | 1 | 25 | | 23.89 | 23.85 | 23.54 | | |
| 10 | 1 | 49 | | 23.89 | 23.76 | 23.59 | | |
| 10 | 25 | 0 | | 22.95 | 22.93 | 22.62 | | |
| 10 | 25 | 12 | | 22.98 | 22.83 | 22.72 | | |
| 10 | 25 | 25 | | 22.92 | 22.88 | 22.63 | | |
| 10 | 50 | 0 | | 23.00 | 22.83 | 22.72 | | |
| 10 | 1 | 0 | 16-QAM | 23.28 | 23.19 | 22.94 | 19.22 | 0.0836 |
| 10 | 1 | 25 | | 23.15 | 23.10 | 22.90 | | |
| 10 | 1 | 49 | | 23.20 | 22.96 | 22.79 | | |
| 10 | 25 | 0 | | 21.97 | 21.85 | 21.69 | | |
| 10 | 25 | 12 | | 21.96 | 21.76 | 21.70 | | |
| 10 | 25 | 25 | | 22.04 | 21.76 | 21.60 | | |
| 10 | 50 | 0 | | 21.99 | 21.78 | 21.73 | | |
| 10 | 1 | 0 | 64-QAM | 22.07 | 21.80 | 21.74 | 18.07 | 0.0641 |
| 10 | 1 | 25 | | 22.13 | 21.90 | 21.85 | | |
| 10 | 1 | 49 | | 22.05 | 21.85 | 21.76 | | |
| 10 | 25 | 0 | | 21.06 | 20.85 | 20.64 | | |
| 10 | 25 | 12 | | 21.01 | 20.77 | 20.71 | | |
| 10 | 25 | 25 | | 21.07 | 20.79 | 20.65 | | |
| 10 | 50 | 0 | | 21.06 | 20.67 | 20.67 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 71 Maximum Average Power [dBm] (GT - LC = -1.91 dB) | | | | | | | | |
|--|----------|-----------|--------|--------|--------|---------|-----------|---------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | ERP (dBm) | ERP (W) |
| 5 | 1 | 0 | QPSK | 23.88 | 23.89 | 23.61 | 19.83 | 0.0962 |
| 5 | 1 | 12 | | 23.85 | 23.81 | 23.59 | | |
| 5 | 1 | 24 | | 23.86 | 23.71 | 23.44 | | |
| 5 | 12 | 0 | | 23.01 | 22.91 | 22.65 | | |
| 5 | 12 | 7 | | 22.99 | 22.86 | 22.72 | | |
| 5 | 12 | 13 | | 22.93 | 22.89 | 22.64 | | |
| 5 | 25 | 0 | | 22.96 | 22.85 | 22.69 | | |
| 5 | 1 | 0 | 16-QAM | 23.19 | 23.11 | 22.89 | 19.13 | 0.0818 |
| 5 | 1 | 12 | | 23.16 | 23.10 | 22.85 | | |
| 5 | 1 | 24 | | 23.17 | 23.00 | 22.74 | | |
| 5 | 12 | 0 | | 21.98 | 21.85 | 21.68 | | |
| 5 | 12 | 7 | | 22.00 | 21.80 | 21.73 | | |
| 5 | 12 | 13 | | 21.97 | 21.80 | 21.57 | | |
| 5 | 25 | 0 | | 21.94 | 21.86 | 21.69 | | |
| 5 | 1 | 0 | 64-QAM | 22.06 | 21.87 | 21.79 | 18.15 | 0.0653 |
| 5 | 1 | 12 | | 22.21 | 21.89 | 21.79 | | |
| 5 | 1 | 24 | | 21.97 | 21.91 | 21.76 | | |
| 5 | 12 | 0 | | 21.06 | 20.80 | 20.67 | | |
| 5 | 12 | 7 | | 21.04 | 20.77 | 20.78 | | |
| 5 | 12 | 13 | | 21.00 | 20.74 | 20.68 | | |
| 5 | 25 | 0 | | 21.05 | 20.73 | 20.73 | | |
| Limit | ERP < 3W | | | Result | | | Pass | |



| LTE Band 2 Aux Maximum Average Power [dBm] (GT - LC = 0.6 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.33 | 23.34 | 23.35 | 23.95 | 0.2483 |
| 20 | 1 | 49 | | 23.09 | 23.16 | 23.03 | | |
| 20 | 1 | 99 | | 22.95 | 22.88 | 22.89 | | |
| 20 | 50 | 0 | | 22.49 | 22.48 | 22.62 | | |
| 20 | 50 | 24 | | 22.46 | 22.28 | 22.43 | | |
| 20 | 50 | 50 | | 22.45 | 22.40 | 22.61 | | |
| 20 | 100 | 0 | | 22.67 | 22.52 | 22.68 | | |
| 20 | 1 | 0 | 16-QAM | 22.77 | 22.68 | 22.75 | 23.37 | 0.2173 |
| 20 | 1 | 49 | | 22.74 | 22.63 | 22.57 | | |
| 20 | 1 | 99 | | 22.57 | 22.53 | 22.59 | | |
| 20 | 50 | 0 | | 21.51 | 21.42 | 21.34 | | |
| 20 | 50 | 24 | | 21.48 | 21.40 | 21.19 | | |
| 20 | 50 | 50 | | 21.52 | 21.42 | 21.48 | | |
| 20 | 100 | 0 | | 21.72 | 21.47 | 21.50 | | |
| 20 | 1 | 0 | 64-QAM | 21.62 | 21.54 | 21.50 | 22.22 | 0.1667 |
| 20 | 1 | 49 | | 21.47 | 21.42 | 21.52 | | |
| 20 | 1 | 99 | | 21.52 | 21.52 | 21.47 | | |
| 20 | 50 | 0 | | 20.59 | 20.49 | 20.48 | | |
| 20 | 50 | 24 | | 20.43 | 20.30 | 20.42 | | |
| 20 | 50 | 50 | | 20.47 | 20.40 | 20.33 | | |
| 20 | 100 | 0 | | 20.67 | 20.55 | 20.58 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Aux Maximum Average Power [dBm] (GT - LC = 0.6 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.23 | 23.31 | 23.28 | 23.91 | 0.2460 |
| 15 | 1 | 37 | | 23.16 | 23.08 | 22.96 | | |
| 15 | 1 | 74 | | 22.85 | 22.85 | 22.80 | | |
| 15 | 36 | 0 | | 22.47 | 22.51 | 22.67 | | |
| 15 | 36 | 20 | | 22.53 | 22.33 | 22.47 | | |
| 15 | 36 | 39 | | 22.62 | 22.43 | 22.58 | | |
| 15 | 75 | 0 | | 22.71 | 22.55 | 22.58 | | |
| 15 | 1 | 0 | 16-QAM | 22.77 | 22.62 | 22.69 | 23.37 | 0.2173 |
| 15 | 1 | 37 | | 22.73 | 22.64 | 22.59 | | |
| 15 | 1 | 74 | | 22.58 | 22.55 | 22.59 | | |
| 15 | 36 | 0 | | 21.52 | 21.45 | 21.41 | | |
| 15 | 36 | 20 | | 21.46 | 21.41 | 21.27 | | |
| 15 | 36 | 39 | | 21.53 | 21.51 | 21.42 | | |
| 15 | 75 | 0 | | 21.68 | 21.48 | 21.56 | | |
| 15 | 1 | 0 | 64-QAM | 21.61 | 21.48 | 21.44 | 22.21 | 0.1663 |
| 15 | 1 | 37 | | 21.56 | 21.41 | 21.53 | | |
| 15 | 1 | 74 | | 21.47 | 21.45 | 21.44 | | |
| 15 | 36 | 0 | | 20.59 | 20.51 | 20.53 | | |
| 15 | 36 | 20 | | 20.48 | 20.32 | 20.37 | | |
| 15 | 36 | 39 | | 20.56 | 20.34 | 20.31 | | |
| 15 | 75 | 0 | | 20.68 | 20.52 | 20.56 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Aux Maximum Average Power [dBm] (GT - LC = 0.6 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.27 | 23.27 | 23.20 | 23.87 | 0.2438 |
| 10 | 1 | 25 | | 23.09 | 23.12 | 22.97 | | |
| 10 | 1 | 49 | | 22.90 | 22.93 | 22.80 | | |
| 10 | 25 | 0 | | 22.52 | 22.55 | 22.59 | | |
| 10 | 25 | 12 | | 22.46 | 22.36 | 22.45 | | |
| 10 | 25 | 25 | | 22.63 | 22.49 | 22.57 | | |
| 10 | 50 | 0 | | 22.72 | 22.48 | 22.60 | | |
| 10 | 1 | 0 | 16-QAM | 22.77 | 22.60 | 22.67 | 23.37 | 0.2173 |
| 10 | 1 | 25 | | 22.75 | 22.70 | 22.64 | | |
| 10 | 1 | 49 | | 22.53 | 22.54 | 22.56 | | |
| 10 | 25 | 0 | | 21.53 | 21.42 | 21.37 | | |
| 10 | 25 | 12 | | 21.38 | 21.42 | 21.28 | | |
| 10 | 25 | 25 | | 21.52 | 21.48 | 21.46 | | |
| 10 | 50 | 0 | | 21.69 | 21.45 | 21.52 | | |
| 10 | 1 | 0 | 64-QAM | 21.56 | 21.52 | 21.50 | 22.16 | 0.1644 |
| 10 | 1 | 25 | | 21.46 | 21.41 | 21.52 | | |
| 10 | 1 | 49 | | 21.50 | 21.49 | 21.38 | | |
| 10 | 25 | 0 | | 20.59 | 20.42 | 20.49 | | |
| 10 | 25 | 12 | | 20.52 | 20.28 | 20.37 | | |
| 10 | 25 | 25 | | 20.46 | 20.35 | 20.37 | | |
| 10 | 50 | 0 | | 20.71 | 20.47 | 20.55 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Aux Maximum Average Power [dBm] (GT - LC = 0.6 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.23 | 23.33 | 23.25 | 23.93 | 0.2472 |
| 5 | 1 | 12 | | 23.17 | 23.16 | 22.97 | | |
| 5 | 1 | 24 | | 22.92 | 22.87 | 22.85 | | |
| 5 | 12 | 0 | | 22.50 | 22.51 | 22.65 | | |
| 5 | 12 | 7 | | 22.49 | 22.34 | 22.40 | | |
| 5 | 12 | 13 | | 22.64 | 22.47 | 22.57 | | |
| 5 | 25 | 0 | | 22.62 | 22.49 | 22.62 | | |
| 5 | 1 | 0 | 16-QAM | 22.83 | 22.63 | 22.72 | 23.43 | 0.2203 |
| 5 | 1 | 12 | | 22.71 | 22.63 | 22.60 | | |
| 5 | 1 | 24 | | 22.54 | 22.49 | 22.53 | | |
| 5 | 12 | 0 | | 21.53 | 21.41 | 21.41 | | |
| 5 | 12 | 7 | | 21.47 | 21.34 | 21.29 | | |
| 5 | 12 | 13 | | 21.50 | 21.48 | 21.43 | | |
| 5 | 25 | 0 | | 21.66 | 21.47 | 21.49 | | |
| 5 | 1 | 0 | 64-QAM | 21.61 | 21.51 | 21.50 | 22.21 | 0.1663 |
| 5 | 1 | 12 | | 21.51 | 21.50 | 21.53 | | |
| 5 | 1 | 24 | | 21.55 | 21.47 | 21.43 | | |
| 5 | 12 | 0 | | 20.60 | 20.45 | 20.47 | | |
| 5 | 12 | 7 | | 20.42 | 20.27 | 20.42 | | |
| 5 | 12 | 13 | | 20.48 | 20.36 | 20.32 | | |
| 5 | 25 | 0 | | 20.67 | 20.46 | 20.59 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Aux Maximum Average Power [dBm] (GT - LC = 0.6 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.29 | 23.26 | 23.26 | 23.89 | 0.2449 |
| 3 | 1 | 8 | | 23.14 | 23.15 | 22.98 | | |
| 3 | 1 | 14 | | 22.87 | 22.88 | 22.85 | | |
| 3 | 8 | 0 | | 22.56 | 22.50 | 22.65 | | |
| 3 | 8 | 4 | | 22.48 | 22.27 | 22.48 | | |
| 3 | 8 | 7 | | 22.60 | 22.45 | 22.61 | | |
| 3 | 15 | 0 | | 22.70 | 22.56 | 22.64 | | |
| 3 | 1 | 0 | 16-QAM | 22.79 | 22.63 | 22.73 | 23.39 | 0.2183 |
| 3 | 1 | 8 | | 22.71 | 22.70 | 22.64 | | |
| 3 | 1 | 14 | | 22.53 | 22.54 | 22.57 | | |
| 3 | 8 | 0 | | 21.54 | 21.41 | 21.43 | | |
| 3 | 8 | 4 | | 21.45 | 21.40 | 21.24 | | |
| 3 | 8 | 7 | | 21.55 | 21.41 | 21.41 | | |
| 3 | 15 | 0 | | 21.68 | 21.49 | 21.55 | | |
| 3 | 1 | 0 | 64-QAM | 21.63 | 21.56 | 21.45 | 22.23 | 0.1671 |
| 3 | 1 | 8 | | 21.49 | 21.44 | 21.55 | | |
| 3 | 1 | 14 | | 21.50 | 21.50 | 21.41 | | |
| 3 | 8 | 0 | | 20.60 | 20.44 | 20.50 | | |
| 3 | 8 | 4 | | 20.45 | 20.24 | 20.37 | | |
| 3 | 8 | 7 | | 20.52 | 20.40 | 20.35 | | |
| 3 | 15 | 0 | | 20.69 | 20.55 | 20.55 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 2 Aux Maximum Average Power [dBm] (GT - LC = 0.6 dB) | | | | | | | | |
|---|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.27 | 23.29 | 23.26 | 23.89 | 0.2449 |
| 1.4 | 1 | 3 | | 23.01 | 23.06 | 23.02 | | |
| 1.4 | 1 | 5 | | 22.82 | 22.83 | 22.83 | | |
| 1.4 | 3 | 0 | | 23.26 | 23.21 | 23.22 | | |
| 1.4 | 3 | 1 | | 23.09 | 23.14 | 22.97 | | |
| 1.4 | 3 | 3 | | 22.93 | 22.86 | 22.76 | | |
| 1.4 | 6 | 0 | | 22.54 | 22.56 | 22.62 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.80 | 22.63 | 22.66 | 23.40 | 0.2188 |
| 1.4 | 1 | 3 | | 22.78 | 22.65 | 22.55 | | |
| 1.4 | 1 | 5 | | 22.44 | 22.48 | 22.49 | | |
| 1.4 | 3 | 0 | | 22.69 | 22.67 | 22.73 | | |
| 1.4 | 3 | 1 | | 22.74 | 22.63 | 22.53 | | |
| 1.4 | 3 | 3 | | 22.48 | 22.47 | 22.60 | | |
| 1.4 | 6 | 0 | | 21.65 | 21.51 | 21.52 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.53 | 21.49 | 21.41 | 22.14 | 0.1637 |
| 1.4 | 1 | 3 | | 21.38 | 21.37 | 21.39 | | |
| 1.4 | 1 | 5 | | 21.47 | 21.46 | 21.42 | | |
| 1.4 | 3 | 0 | | 21.48 | 21.48 | 21.50 | | |
| 1.4 | 3 | 1 | | 21.45 | 21.38 | 21.54 | | |
| 1.4 | 3 | 3 | | 21.50 | 21.40 | 21.36 | | |
| 1.4 | 6 | 0 | | 20.58 | 20.42 | 20.50 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Aux Maximum Average Power [dBm] (GT - LC = 1.51 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.52 | 23.58 | 23.48 | 25.09 | 0.3228 |
| 20 | 1 | 49 | | 23.32 | 23.40 | 23.26 | | |
| 20 | 1 | 99 | | 23.18 | 23.29 | 23.32 | | |
| 20 | 50 | 0 | | 22.67 | 22.84 | 22.52 | | |
| 20 | 50 | 24 | | 22.59 | 22.80 | 22.52 | | |
| 20 | 50 | 50 | | 22.60 | 22.82 | 22.51 | | |
| 20 | 100 | 0 | | 22.46 | 22.48 | 22.46 | | |
| 20 | 1 | 0 | 16-QAM | 22.61 | 22.68 | 22.57 | 24.26 | 0.2667 |
| 20 | 1 | 49 | | 22.51 | 22.75 | 22.64 | | |
| 20 | 1 | 99 | | 22.66 | 22.67 | 22.69 | | |
| 20 | 50 | 0 | | 21.41 | 21.37 | 21.28 | | |
| 20 | 50 | 24 | | 21.52 | 21.41 | 21.44 | | |
| 20 | 50 | 50 | | 21.56 | 21.55 | 21.46 | | |
| 20 | 100 | 0 | | 21.49 | 21.43 | 21.51 | | |
| 20 | 1 | 0 | 64-QAM | 21.47 | 21.55 | 21.47 | 23.21 | 0.2094 |
| 20 | 1 | 49 | | 21.55 | 21.29 | 21.45 | | |
| 20 | 1 | 99 | | 21.65 | 21.67 | 21.70 | | |
| 20 | 50 | 0 | | 20.34 | 20.32 | 20.48 | | |
| 20 | 50 | 24 | | 20.56 | 20.54 | 20.54 | | |
| 20 | 50 | 50 | | 20.51 | 20.55 | 20.46 | | |
| 20 | 100 | 0 | | 20.43 | 20.46 | 20.47 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Aux Maximum Average Power [dBm] (GT - LC = 1.51 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.48 | 23.57 | 23.38 | 25.08 | 0.3221 |
| 15 | 1 | 37 | | 23.27 | 23.44 | 23.28 | | |
| 15 | 1 | 74 | | 23.19 | 23.34 | 23.30 | | |
| 15 | 36 | 0 | | 22.72 | 22.82 | 22.55 | | |
| 15 | 36 | 20 | | 22.65 | 22.78 | 22.61 | | |
| 15 | 36 | 39 | | 22.59 | 22.78 | 22.58 | | |
| 15 | 75 | 0 | | 22.48 | 22.44 | 22.46 | | |
| 15 | 1 | 0 | 16-QAM | 22.61 | 22.72 | 22.59 | 24.24 | 0.2655 |
| 15 | 1 | 37 | | 22.56 | 22.73 | 22.64 | | |
| 15 | 1 | 74 | | 22.63 | 22.63 | 22.71 | | |
| 15 | 36 | 0 | | 21.42 | 21.39 | 21.32 | | |
| 15 | 36 | 20 | | 21.54 | 21.43 | 21.51 | | |
| 15 | 36 | 39 | | 21.57 | 21.51 | 21.45 | | |
| 15 | 75 | 0 | | 21.52 | 21.43 | 21.47 | | |
| 15 | 1 | 0 | 64-QAM | 21.37 | 21.54 | 21.47 | 23.19 | 0.2084 |
| 15 | 1 | 37 | | 21.50 | 21.29 | 21.50 | | |
| 15 | 1 | 74 | | 21.66 | 21.62 | 21.68 | | |
| 15 | 36 | 0 | | 20.36 | 20.36 | 20.39 | | |
| 15 | 36 | 20 | | 20.53 | 20.50 | 20.50 | | |
| 15 | 36 | 39 | | 20.48 | 20.58 | 20.46 | | |
| 15 | 75 | 0 | | 20.45 | 20.45 | 20.39 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Aux Maximum Average Power [dBm] (GT - LC = 1.51 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.44 | 23.54 | 23.42 | 25.05 | 0.3199 |
| 10 | 1 | 25 | | 23.27 | 23.45 | 23.25 | | |
| 10 | 1 | 49 | | 23.22 | 23.27 | 23.28 | | |
| 10 | 25 | 0 | | 22.70 | 22.84 | 22.50 | | |
| 10 | 25 | 12 | | 22.64 | 22.82 | 22.53 | | |
| 10 | 25 | 25 | | 22.58 | 22.82 | 22.59 | | |
| 10 | 50 | 0 | | 22.52 | 22.35 | 22.40 | | |
| 10 | 1 | 0 | 16-QAM | 22.54 | 22.74 | 22.56 | 24.25 | 0.2661 |
| 10 | 1 | 25 | | 22.49 | 22.73 | 22.64 | | |
| 10 | 1 | 49 | | 22.59 | 22.62 | 22.68 | | |
| 10 | 25 | 0 | | 21.39 | 21.36 | 21.34 | | |
| 10 | 25 | 12 | | 21.52 | 21.42 | 21.48 | | |
| 10 | 25 | 25 | | 21.60 | 21.56 | 21.53 | | |
| 10 | 50 | 0 | | 21.46 | 21.46 | 21.52 | | |
| 10 | 1 | 0 | 64-QAM | 21.43 | 21.48 | 21.43 | 23.22 | 0.2099 |
| 10 | 1 | 25 | | 21.56 | 21.30 | 21.51 | | |
| 10 | 1 | 49 | | 21.68 | 21.71 | 21.64 | | |
| 10 | 25 | 0 | | 20.34 | 20.36 | 20.45 | | |
| 10 | 25 | 12 | | 20.61 | 20.49 | 20.53 | | |
| 10 | 25 | 25 | | 20.47 | 20.54 | 20.37 | | |
| 10 | 50 | 0 | | 20.46 | 20.43 | 20.39 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 7 Aux Maximum Average Power [dBm] (GT - LC = 1.51 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.45 | 23.56 | 23.42 | 25.07 | 0.3214 |
| 5 | 1 | 12 | | 23.25 | 23.40 | 23.20 | | |
| 5 | 1 | 24 | | 23.17 | 23.26 | 23.29 | | |
| 5 | 12 | 0 | | 22.70 | 22.77 | 22.57 | | |
| 5 | 12 | 7 | | 22.65 | 22.74 | 22.52 | | |
| 5 | 12 | 13 | | 22.61 | 22.81 | 22.61 | | |
| 5 | 25 | 0 | | 22.52 | 22.39 | 22.45 | | |
| 5 | 1 | 0 | 16-QAM | 22.59 | 22.74 | 22.56 | 24.27 | 0.2673 |
| 5 | 1 | 12 | | 22.52 | 22.76 | 22.55 | | |
| 5 | 1 | 24 | | 22.67 | 22.59 | 22.68 | | |
| 5 | 12 | 0 | | 21.38 | 21.46 | 21.38 | | |
| 5 | 12 | 7 | | 21.60 | 21.42 | 21.47 | | |
| 5 | 12 | 13 | | 21.51 | 21.53 | 21.49 | | |
| 5 | 25 | 0 | | 21.51 | 21.46 | 21.53 | | |
| 5 | 1 | 0 | 64-QAM | 21.37 | 21.50 | 21.47 | 23.17 | 0.2075 |
| 5 | 1 | 12 | | 21.47 | 21.28 | 21.51 | | |
| 5 | 1 | 24 | | 21.59 | 21.66 | 21.65 | | |
| 5 | 12 | 0 | | 20.38 | 20.37 | 20.41 | | |
| 5 | 12 | 7 | | 20.59 | 20.44 | 20.48 | | |
| 5 | 12 | 13 | | 20.52 | 20.51 | 20.45 | | |
| 5 | 25 | 0 | | 20.51 | 20.41 | 20.38 | | |
| Limit | EIRP < 2W | | | Result | | | Pass | |



| LTE Band 66 Aux Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.52 | 23.27 | 23.36 | 24.32 | 0.2704 |
| 20 | 1 | 49 | | 23.15 | 22.96 | 23.07 | | |
| 20 | 1 | 99 | | 23.11 | 22.93 | 22.94 | | |
| 20 | 50 | 0 | | 22.81 | 22.44 | 22.63 | | |
| 20 | 50 | 24 | | 22.78 | 22.31 | 22.54 | | |
| 20 | 50 | 50 | | 22.68 | 22.42 | 22.61 | | |
| 20 | 100 | 0 | | 22.60 | 22.30 | 22.53 | | |
| 20 | 1 | 0 | 16-QAM | 22.92 | 22.59 | 22.76 | 23.72 | 0.2355 |
| 20 | 1 | 49 | | 22.69 | 22.41 | 22.68 | | |
| 20 | 1 | 99 | | 22.68 | 22.44 | 22.42 | | |
| 20 | 50 | 0 | | 21.67 | 21.44 | 21.55 | | |
| 20 | 50 | 24 | | 21.70 | 21.28 | 21.57 | | |
| 20 | 50 | 50 | | 21.66 | 21.43 | 21.63 | | |
| 20 | 100 | 0 | | 21.62 | 21.40 | 21.68 | | |
| 20 | 1 | 0 | 64-QAM | 21.77 | 21.38 | 21.67 | 22.57 | 0.1807 |
| 20 | 1 | 49 | | 21.70 | 21.33 | 21.65 | | |
| 20 | 1 | 99 | | 21.74 | 21.36 | 21.64 | | |
| 20 | 50 | 0 | | 20.64 | 20.38 | 20.58 | | |
| 20 | 50 | 24 | | 20.51 | 20.39 | 20.41 | | |
| 20 | 50 | 50 | | 20.70 | 20.46 | 20.64 | | |
| 20 | 100 | 0 | | 20.54 | 20.41 | 20.51 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Aux Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.50 | 23.24 | 23.31 | 24.30 | 0.2692 |
| 15 | 1 | 37 | | 23.21 | 22.93 | 23.03 | | |
| 15 | 1 | 74 | | 23.10 | 22.96 | 22.86 | | |
| 15 | 36 | 0 | | 22.71 | 22.34 | 22.71 | | |
| 15 | 36 | 20 | | 22.71 | 22.31 | 22.54 | | |
| 15 | 36 | 39 | | 22.66 | 22.47 | 22.64 | | |
| 15 | 75 | 0 | | 22.59 | 22.32 | 22.57 | | |
| 15 | 1 | 0 | 16-QAM | 22.95 | 22.66 | 22.71 | 23.75 | 0.2371 |
| 15 | 1 | 37 | | 22.66 | 22.48 | 22.68 | | |
| 15 | 1 | 74 | | 22.62 | 22.40 | 22.46 | | |
| 15 | 36 | 0 | | 21.67 | 21.44 | 21.47 | | |
| 15 | 36 | 20 | | 21.66 | 21.35 | 21.55 | | |
| 15 | 36 | 39 | | 21.73 | 21.36 | 21.60 | | |
| 15 | 75 | 0 | | 21.59 | 21.41 | 21.69 | | |
| 15 | 1 | 0 | 64-QAM | 21.70 | 21.46 | 21.67 | 22.53 | 0.1791 |
| 15 | 1 | 37 | | 21.73 | 21.38 | 21.66 | | |
| 15 | 1 | 74 | | 21.70 | 21.30 | 21.62 | | |
| 15 | 36 | 0 | | 20.61 | 20.40 | 20.60 | | |
| 15 | 36 | 20 | | 20.53 | 20.39 | 20.40 | | |
| 15 | 36 | 39 | | 20.63 | 20.48 | 20.55 | | |
| 15 | 75 | 0 | | 20.52 | 20.37 | 20.47 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Aux Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 23.43 | 23.27 | 23.31 | 24.23 | 0.2649 |
| 10 | 1 | 25 | | 23.19 | 22.95 | 23.06 | | |
| 10 | 1 | 49 | | 23.04 | 23.00 | 22.86 | | |
| 10 | 25 | 0 | | 22.67 | 22.35 | 22.64 | | |
| 10 | 25 | 12 | | 22.71 | 22.28 | 22.59 | | |
| 10 | 25 | 25 | | 22.64 | 22.49 | 22.72 | | |
| 10 | 50 | 0 | | 22.59 | 22.30 | 22.53 | | |
| 10 | 1 | 0 | 16-QAM | 22.95 | 22.61 | 22.77 | 23.75 | 0.2371 |
| 10 | 1 | 25 | | 22.67 | 22.40 | 22.71 | | |
| 10 | 1 | 49 | | 22.62 | 22.45 | 22.47 | | |
| 10 | 25 | 0 | | 21.73 | 21.39 | 21.56 | | |
| 10 | 25 | 12 | | 21.64 | 21.32 | 21.51 | | |
| 10 | 25 | 25 | | 21.71 | 21.38 | 21.68 | | |
| 10 | 50 | 0 | | 21.59 | 21.42 | 21.62 | | |
| 10 | 1 | 0 | 64-QAM | 21.79 | 21.37 | 21.64 | 22.59 | 0.1816 |
| 10 | 1 | 25 | | 21.69 | 21.33 | 21.71 | | |
| 10 | 1 | 49 | | 21.70 | 21.30 | 21.65 | | |
| 10 | 25 | 0 | | 20.66 | 20.46 | 20.64 | | |
| 10 | 25 | 12 | | 20.57 | 20.36 | 20.44 | | |
| 10 | 25 | 25 | | 20.64 | 20.50 | 20.56 | | |
| 10 | 50 | 0 | | 20.48 | 20.41 | 20.46 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Aux Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.42 | 23.22 | 23.36 | 24.22 | 0.2642 |
| 5 | 1 | 12 | | 23.17 | 22.94 | 23.04 | | |
| 5 | 1 | 24 | | 23.01 | 22.99 | 22.93 | | |
| 5 | 12 | 0 | | 22.64 | 22.39 | 22.68 | | |
| 5 | 12 | 7 | | 22.72 | 22.35 | 22.63 | | |
| 5 | 12 | 13 | | 22.73 | 22.52 | 22.70 | | |
| 5 | 25 | 0 | | 22.62 | 22.32 | 22.54 | | |
| 5 | 1 | 0 | 16-QAM | 22.95 | 22.60 | 22.71 | 23.75 | 0.2371 |
| 5 | 1 | 12 | | 22.71 | 22.40 | 22.70 | | |
| 5 | 1 | 24 | | 22.69 | 22.36 | 22.44 | | |
| 5 | 12 | 0 | | 21.72 | 21.39 | 21.51 | | |
| 5 | 12 | 7 | | 21.70 | 21.35 | 21.48 | | |
| 5 | 12 | 13 | | 21.63 | 21.37 | 21.68 | | |
| 5 | 25 | 0 | | 21.64 | 21.39 | 21.59 | | |
| 5 | 1 | 0 | 64-QAM | 21.78 | 21.37 | 21.68 | 22.58 | 0.1811 |
| 5 | 1 | 12 | | 21.72 | 21.41 | 21.62 | | |
| 5 | 1 | 24 | | 21.65 | 21.32 | 21.59 | | |
| 5 | 12 | 0 | | 20.63 | 20.45 | 20.63 | | |
| 5 | 12 | 7 | | 20.58 | 20.37 | 20.41 | | |
| 5 | 12 | 13 | | 20.69 | 20.45 | 20.58 | | |
| 5 | 25 | 0 | | 20.50 | 20.43 | 20.51 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Aux Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 3 | 1 | 0 | QPSK | 23.44 | 23.24 | 23.29 | 24.24 | 0.2655 |
| 3 | 1 | 8 | | 23.15 | 22.97 | 23.08 | | |
| 3 | 1 | 14 | | 23.08 | 22.92 | 22.95 | | |
| 3 | 8 | 0 | | 22.66 | 22.42 | 22.65 | | |
| 3 | 8 | 4 | | 22.75 | 22.35 | 22.56 | | |
| 3 | 8 | 7 | | 22.67 | 22.50 | 22.73 | | |
| 3 | 15 | 0 | | 22.63 | 22.35 | 22.56 | | |
| 3 | 1 | 0 | 16-QAM | 22.88 | 22.65 | 22.76 | 23.68 | 0.2333 |
| 3 | 1 | 8 | | 22.67 | 22.42 | 22.62 | | |
| 3 | 1 | 14 | | 22.70 | 22.45 | 22.48 | | |
| 3 | 8 | 0 | | 21.70 | 21.42 | 21.52 | | |
| 3 | 8 | 4 | | 21.65 | 21.29 | 21.50 | | |
| 3 | 8 | 7 | | 21.69 | 21.43 | 21.59 | | |
| 3 | 15 | 0 | | 21.65 | 21.39 | 21.69 | | |
| 3 | 1 | 0 | 64-QAM | 21.74 | 21.41 | 21.65 | 22.54 | 0.1795 |
| 3 | 1 | 8 | | 21.69 | 21.37 | 21.66 | | |
| 3 | 1 | 14 | | 21.68 | 21.35 | 21.59 | | |
| 3 | 8 | 0 | | 20.71 | 20.39 | 20.63 | | |
| 3 | 8 | 4 | | 20.51 | 20.45 | 20.43 | | |
| 3 | 8 | 7 | | 20.64 | 20.48 | 20.54 | | |
| 3 | 15 | 0 | | 20.58 | 20.44 | 20.47 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



| LTE Band 66 Aux Maximum Average Power [dBm] (GT - LC = 0.8 dB) | | | | | | | | |
|--|-----------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 1.4 | 1 | 0 | QPSK | 23.43 | 23.21 | 23.36 | 24.23 | 0.2649 |
| 1.4 | 1 | 3 | | 23.08 | 23.13 | 23.03 | | |
| 1.4 | 1 | 5 | | 23.02 | 23.13 | 22.96 | | |
| 1.4 | 3 | 0 | | 22.65 | 22.47 | 22.73 | | |
| 1.4 | 3 | 1 | | 22.72 | 22.45 | 22.56 | | |
| 1.4 | 3 | 3 | | 22.74 | 22.58 | 22.70 | | |
| 1.4 | 6 | 0 | | 22.59 | 22.35 | 22.53 | | |
| 1.4 | 1 | 0 | 16-QAM | 22.97 | 22.73 | 22.71 | 23.77 | 0.2382 |
| 1.4 | 1 | 3 | | 22.72 | 22.63 | 22.55 | | |
| 1.4 | 1 | 5 | | 22.78 | 22.59 | 22.50 | | |
| 1.4 | 3 | 0 | | 21.70 | 21.65 | 21.59 | | |
| 1.4 | 3 | 1 | | 21.68 | 21.48 | 21.65 | | |
| 1.4 | 3 | 3 | | 21.70 | 21.52 | 21.58 | | |
| 1.4 | 6 | 0 | | 21.68 | 21.48 | 21.63 | | |
| 1.4 | 1 | 0 | 64-QAM | 21.80 | 21.61 | 21.68 | 22.60 | 0.1820 |
| 1.4 | 1 | 3 | | 21.66 | 21.50 | 21.59 | | |
| 1.4 | 1 | 5 | | 21.77 | 21.54 | 21.68 | | |
| 1.4 | 3 | 0 | | 20.70 | 20.55 | 20.62 | | |
| 1.4 | 3 | 1 | | 20.55 | 20.44 | 20.48 | | |
| 1.4 | 3 | 3 | | 20.68 | 20.58 | 20.55 | | |
| 1.4 | 6 | 0 | | 20.52 | 20.62 | 20.48 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |



Appendix B. Test Results of Radiated Test

LTE Band 13

| LTE Band 13 / 5MHz / 256QAM | | | | | | | | | |
|-----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 1555 | -62.32 | -13 | -49.32 | -71.00 | -67.59 | 0.89 | 8.31 | H |
| | 2332 | -53.63 | -13 | -40.63 | -67.40 | -60.83 | 1.11 | 10.46 | H |
| | 3109 | -57.37 | -13 | -44.37 | -72.79 | -65.49 | 1.29 | 11.56 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1555 | -62.33 | -13.00 | -49.33 | -70.33 | -67.60 | 0.89 | 8.31 | V |
| | 2332 | -56.91 | -13 | -43.91 | -70.23 | -64.11 | 1.11 | 10.46 | V |
| | 3109 | -56.34 | -13 | -43.34 | -72.10 | -64.46 | 1.29 | 11.56 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 1560 | -62.44 | -42.15 | -20.29 | -71.08 | -67.73 | 0.89 | 8.33 | H |
| | 2340 | -50.98 | -13 | -37.98 | -64.71 | -58.19 | 1.11 | 10.48 | H |
| | 3119 | -56.55 | -13 | -43.55 | -72.00 | -64.69 | 1.29 | 11.59 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1560 | -62.95 | -42.15 | -20.80 | -70.95 | -68.24 | 0.89 | 8.33 | V |
| | 2340 | -56.16 | -13 | -43.16 | -69.48 | -63.37 | 1.11 | 10.48 | V |
| | 3119 | -56.41 | -13 | -43.41 | -72.22 | -64.55 | 1.29 | 11.59 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|------|--------|--------|--------|--------|--------|------|-------|---|
| Highest | 1568 | -62.54 | -42.15 | -20.39 | -71.15 | -67.86 | 0.89 | 8.36 | H |
| | 2344 | -55.62 | -13 | -42.62 | -69.31 | -62.84 | 1.12 | 10.48 | H |
| | 3128 | -57.49 | -13 | -44.49 | -72.96 | -65.65 | 1.29 | 11.61 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 1568 | -63.01 | -42.15 | -20.86 | -71.01 | -68.33 | 0.89 | 8.36 | V |
| | 2344 | -54.22 | -13 | -41.22 | -67.55 | -61.44 | 1.12 | 10.48 | V |
| | 3128 | -56.79 | -13 | -43.79 | -72.63 | -64.95 | 1.29 | 11.61 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 41(HPUE)

| LTE Band 41 / 5MHz / 256QAM | | | | | | | | | |
|-----------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest | 4993 | -52.15 | -25 | -27.15 | -74.15 | -63.14 | 1.61 | 12.60 | H |
| | 7489 | -46.75 | -25 | -21.75 | -73.16 | -55.88 | 1.98 | 11.12 | H |
| | 9985 | -44.52 | -25 | -19.52 | -74.12 | -53.43 | 2.40 | 11.31 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 4993 | -52.74 | -25 | -27.74 | -74.29 | -63.73 | 1.61 | 12.60 | V |
| | 7489 | -47.01 | -25 | -22.01 | -73.37 | -56.14 | 1.98 | 11.12 | V |
| | 9985 | -43.64 | -25 | -18.64 | -73.99 | -52.55 | 2.40 | 11.31 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| Middle | 5182 | -51.63 | -25 | -26.63 | -73.57 | -62.83 | 1.66 | 12.85 | H |
| | 7773 | -46.60 | -25 | -21.60 | -72.52 | -55.73 | 2.03 | 11.15 | H |
| | 10363 | -43.71 | -25 | -18.71 | -74.19 | -52.33 | 2.39 | 11.01 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5182 | -50.29 | -25 | -25.29 | -72.05 | -61.49 | 1.66 | 12.85 | V |
| | 7773 | -42.80 | -25 | -17.80 | -68.45 | -51.93 | 2.03 | 11.15 | V |
| | 10363 | -44.09 | -25 | -19.09 | -74.58 | -52.71 | 2.39 | 11.01 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |



| | | | | | | | | | |
|---------|-------|--------|-----|--------|--------|--------|------|-------|---|
| Highest | 5371 | -42.08 | -25 | -17.08 | -64.62 | -53.49 | 1.71 | 13.12 | H |
| | 8056 | -45.93 | -25 | -20.93 | -72.98 | -55.18 | 2.06 | 11.31 | H |
| | 10741 | -42.71 | -25 | -17.71 | -73.58 | -51.09 | 2.52 | 10.90 | H |
| | | | | | | | | | H |
| | | | | | | | | | H |
| | 5371 | -44.56 | -25 | -19.56 | -66.72 | -55.97 | 1.71 | 13.12 | V |
| | 8056 | -45.05 | -25 | -20.05 | -72.09 | -54.30 | 2.06 | 11.31 | V |
| | 10741 | -42.72 | -25 | -17.72 | -73.36 | -51.10 | 2.52 | 10.90 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.