

**ELECTROMAGNETIC EMISSIONS
COMPLIANCE REPORT**

FCC Applicant: ASUSTeK COMPUTER INC.
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FCC Manufacturer: ASUSTeK COMPUTER INC.
1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan
Product Name: ASUS Phone(Mobile Phone)
Brand Name: ASUS
Model No.: ASUSAI2501E
Family Model No.: ASUSAI2501D
Model Difference: Refer to section1.2
Report Number: TERF2407002103ER
FCC ID MSQAI2501
Date of EUT Received: July 01, 2024
Date of Test: July 17, 2024 ~ November 14, 2024
Issue Date: November 15, 2024

Approved By

Marcus Tseng

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT comply with FCC rule part 2, 22H & 24E & 27 C.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.
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Revision History

| Report Number | Revision | Description | Issue Date | Revised By | Remark |
|------------------|----------|-------------|-------------------|------------|--------|
| TERF2407002103ER | 00 | Original | November 15, 2024 | Yuri Tsai | |
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Note:

- 1、The remark "" indicates modification of the report upon requests from certification body.
- 2、Variant information of model numbers is provided by the applicant, test results of this report are applicable to the sample EUT(s) received.
And are assessed as electrically identical in RF characteristics, therefore, no further assessment required for the variant(s).

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1 GENERAL PRODUCT INFORMATION

1.1 Product Description

| | |
|---------------------------------|-----------------------------------|
| Product Name: | ASUS Phone(Mobile Phone) |
| Brand Name: | ASUS |
| Model No.: | ASUSAI2501E |
| Family Model No.: | ASUSAI2501D |
| Hardware Version: | R2.0C |
| Firmware Version: | 35.1400.1400.10 |
| EUT Series No.: | S7AIOCN13288C89 & S7AIOCN13359SCN |
| Family Model No.: | ASUSAI2501D |
| Power Supply: | 7.8 Vdc from Battery |
| Test Software (Name/Version) | Default(connection with call box) |

1.2 Model Difference

| | | |
|---------------|------------------------|--------------------|
| Model Name | ASUSAI2501D | ASUSAI2501E |
| 3rd Camera | 5MP Macro | 32 MP Tele |
| LED Light | mini LED (85 pcs) | mini LED (648 pcs) |
| Memory | 12/256, 12/512, 16/512 | 16/512, 24/1TB |
| Side USB port | Y | |
| Air trigger | Y | |
| Power | 5800mAh, 65W | |
| Refresh Rate | 185Hz | |

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1.3 Operation Frequency Range

Intra-Band

| LTE Band 2C | |
|--------------|---------------------------|
| BW (MHz) | Operation Frequency (MHz) |
| 25 | 1862.5 - 1897.5 |
| 30 | 1865.0 - 1895.0 |
| 35 | 1867.5 - 1892.5 |
| 40 | 1870.0 - 1890.0 |
| LTE Band 5B | |
| BW (MHz) | Operation Frequency (MHz) |
| 15 | 831.5 - 841.5 |
| 20 | 834.0 - 839.0 |
| LTE Band 7C | |
| BW (MHz) | Operation Frequency (MHz) |
| 30 | 2515.0 - 2555.0 |
| 35 | 2517.5 - 2552.5 |
| 40 | 2520.0 - 2550.0 |
| LTE Band 12B | |
| BW (MHz) | Operation Frequency (MHz) |
| 10 | 704.0 - 711.0 |
| 15 | 706.5 - 708.5 |
| LTE Band 38C | |
| BW (MHz) | Operation Frequency (MHz) |
| 30 | 2585.0 - 2605.0 |
| 40 | 2590.0 - 2600.0 |

| LTE Band 41C | |
|--------------|---------------------------|
| BW (MHz) | Operation Frequency (MHz) |
| 25 | 2508.5 - 2677.5 |
| 30 | 2511.0 - 2675.0 |
| 35 | 2513.5 - 2672.5 |
| 40 | 2516.0 - 2670.0 |
| LTE Band 42C | |
| BW (MHz) | Operation Frequency (MHz) |
| 25 | 3562.5 - 3587.5 |
| 30 | 3565.0 - 3585.0 |
| 35 | 3567.5 - 3582.5 |
| 40 | 3570.0 - 3580.0 |
| LTE Band 66C | |
| BW (MHz) | Operation Frequency (MHz) |
| 25 | 1722.5 - 1767.5 |
| 30 | 1725.0 - 1765.0 |
| 35 | 2727.5 - 1762.5 |
| 40 | 1730.0 - 1760.0 |
| LTE Band 66B | |
| BW (MHz) | Operation Frequency (MHz) |
| 10 | 1715.0 - 1775.0 |
| 15 | 1717.5 - 1772.5 |
| 20 | 1720.0 - 1770.0 |

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1.4 Antenna Designation

| Antenna Type | Antenna Model No. |
|---|-------------------|
| PIFA | Ant0 |
| | Ant1 |
| | Ant2 |
| | Ant7 |
| | Ant8 |
| | Ant9 |
| Note: Transmission frequencies in this test report are only available by the above antenna(s). | |

| Bands | Frequency (MHz) | Peak Antenna Gain (dBi) | | | | | |
|-------|-----------------|-------------------------|------|------|------|------|------|
| | | Ant0 | Ant1 | Ant2 | Ant7 | Ant8 | Ant9 |
| 2 | 1850 ~ 1910 | | -0.2 | -1.9 | -5.1 | | |
| 5 | 824 ~ 849 | -2.4 | | -3.3 | | | |
| 7 | 2500 ~ 2570 | | -2.5 | -1.1 | -5.5 | | |
| 12 | 699 ~ 716 | -1.6 | | -4.8 | | | |
| 38 | 2570 ~ 2620 | | -2.5 | -1.1 | | -1.8 | -8.1 |
| 41 | 2496 ~ 2690 | | -2.5 | -1.1 | | -1.8 | -8.1 |
| 66 | 1710 ~ 1780 | | -1.5 | -1.9 | | | |

Note: Antenna information is provided by the applicant.

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1.5 Type of Emission & Max ERP/EIRP Power Measurement Result:

| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
|----------|----|-----------|--------|------------|------------------|------|--------------|---------|------------------|
| 2C | 25 | 1713.3 | 1770.0 | QPSK | 24.73 | EIRP | 0.297 | 23.2080 | 23M2G7D |
| | | | | 16QAM | 23.67 | EIRP | 0.233 | 23.2080 | 23M2D7W |
| | | | | 64QAM | 21.42 | EIRP | 0.139 | 23.2090 | 23M2D7W |
| | | | | 256QAM | 20.32 | EIRP | 0.108 | 23.2490 | 23M2D7W |
| 2C | 30 | 1715.5 | 1770.0 | QPSK | 24.83 | EIRP | 0.304 | 28.4570 | 28M5D7W |
| | | | | 16QAM | 24.32 | EIRP | 0.270 | 28.4530 | 28M5D7W |
| | | | | 64QAM | 21.90 | EIRP | 0.155 | 28.4180 | 28M4D7W |
| | | | | 256QAM | 20.26 | EIRP | 0.106 | 28.4490 | 28M4D7W |
| 2C | 35 | 1717.8 | 1770.0 | QPSK | 24.82 | EIRP | 0.303 | 32.7870 | 32M8D7W |
| | | | | 16QAM | 24.15 | EIRP | 0.260 | 32.8140 | 32M8D7W |
| | | | | 64QAM | 22.01 | EIRP | 0.159 | 32.7560 | 32M8D7W |
| | | | | 256QAM | 20.28 | EIRP | 0.107 | 32.7590 | 32M8D7W |
| 2C | 40 | 1720.0 | 1770.0 | QPSK | 24.45 | EIRP | 0.279 | 37.8050 | 37M8D7W |
| | | | | 16QAM | 23.89 | EIRP | 0.245 | 37.7200 | 37M7D7W |
| | | | | 64QAM | 21.05 | EIRP | 0.127 | 37.7470 | 37M7D7W |
| | | | | 256QAM | 20.04 | EIRP | 0.101 | 37.7260 | 37M7D7W |
| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
| 5B | 15 | 826.8 | 844.0 | QPSK | 20.40 | ERP | 0.110 | 13.9430 | 13M9G7D |
| | | | | 16QAM | 20.18 | ERP | 0.104 | 13.9140 | 13M9D7W |
| | | | | 64QAM | 17.61 | ERP | 0.058 | 13.9110 | 13M9D7W |
| | | | | 256QAM | 15.86 | ERP | 0.039 | 13.9100 | 13M9D7W |
| 5B | 20 | 829.0 | 844.0 | QPSK | 20.76 | ERP | 0.119 | 18.8140 | 18M8D7W |
| | | | | 16QAM | 19.73 | ERP | 0.094 | 18.8350 | 18M8D7W |
| | | | | 64QAM | 17.42 | ERP | 0.055 | 18.8000 | 18M8D7W |
| | | | | 256QAM | 16.00 | ERP | 0.040 | 18.8160 | 18M8D7W |

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| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
|----------|----|-----------|--------|------------|------------------|------|--------------|---------|------------------|
| 7C | 30 | 2505.5 | 2560.0 | QPSK | 23.94 | EIRP | 0.248 | 28.4470 | 28M4G7D |
| | | | | 16QAM | 23.21 | EIRP | 0.209 | 28.4140 | 28M4D7W |
| | | | | 64QAM | 20.64 | EIRP | 0.116 | 28.4290 | 28M4D7W |
| | | | | 256QAM | 19.33 | EIRP | 0.086 | 28.4250 | 28M4D7W |
| 7C | 35 | 2507.8 | 2560.0 | QPSK | 23.71 | EIRP | 0.235 | 32.7630 | 32M8D7W |
| | | | | 16QAM | 23.03 | EIRP | 0.201 | 32.7770 | 32M8D7W |
| | | | | 64QAM | 19.89 | EIRP | 0.097 | 32.7350 | 32M7D7W |
| | | | | 256QAM | 18.83 | EIRP | 0.076 | 32.7350 | 32M7D7W |
| 7C | 40 | 2510.0 | 2560.0 | QPSK | 23.62 | EIRP | 0.230 | 37.6460 | 37M6D7W |
| | | | | 16QAM | 23.03 | EIRP | 0.201 | 37.6160 | 37M6D7W |
| | | | | 64QAM | 20.21 | EIRP | 0.105 | 37.6300 | 37M6D7W |
| | | | | 256QAM | 19.30 | EIRP | 0.085 | 37.6930 | 37M7D7W |
| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
| 12B | 10 | 701.5 | 713.5 | QPSK | 19.79 | EIRP | 0.095 | 9.2640 | 9M3G7D |
| | | | | 16QAM | 19.45 | EIRP | 0.088 | 9.2552 | 9M3D7W |
| | | | | 64QAM | 17.80 | EIRP | 0.060 | 9.2720 | 9M3D7W |
| | | | | 256QAM | 15.67 | EIRP | 0.037 | 9.2393 | 9M2D7W |
| 12B | 15 | 701.8 | 711.0 | QPSK | 20.19 | EIRP | 0.104 | 13.8690 | 13M9D7W |
| | | | | 16QAM | 19.59 | EIRP | 0.091 | 13.8670 | 13M9D7W |
| | | | | 64QAM | 17.48 | EIRP | 0.056 | 13.8760 | 13M9D7W |
| | | | | 256QAM | 15.92 | EIRP | 0.039 | 13.8750 | 13M9D7W |
| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
| 38C | 30 | 2577.5 | 2612.5 | QPSK | 23.61 | EIRP | 0.230 | 28.4570 | 28M5G7D |
| | | | | 16QAM | 23.17 | EIRP | 0.207 | 28.4430 | 28M4D7W |
| | | | | 64QAM | 20.58 | EIRP | 0.114 | 28.4400 | 28M4D7W |
| | | | | 256QAM | 19.31 | EIRP | 0.085 | 28.4590 | 28M5D7W |
| 38C | 40 | 2580.0 | 2610.0 | QPSK | 23.60 | EIRP | 0.229 | 37.7820 | 37M8D7W |
| | | | | 16QAM | 23.23 | EIRP | 0.210 | 37.7880 | 37M8D7W |
| | | | | 64QAM | 20.66 | EIRP | 0.116 | 37.6930 | 37M7D7W |
| | | | | 256QAM | 19.30 | EIRP | 0.085 | 37.7520 | 37M8D7W |

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| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
|----------|----|-----------|--------|------------|------------------|------|--------------|---------|------------------|
| 41C | 25 | 2499.3 | 2680.0 | QPSK | 24.88 | EIRP | 0.308 | 23.0190 | 23M0G7D |
| | | | | 16QAM | 24.37 | EIRP | 0.274 | 22.9930 | 23M0D7W |
| | | | | 64QAM | 21.89 | EIRP | 0.155 | 22.9590 | 23M0D7W |
| | | | | 256QAM | 20.46 | EIRP | 0.111 | 22.9950 | 23M0D7W |
| 41C | 30 | 2501.5 | 2680.0 | QPSK | 24.74 | EIRP | 0.298 | 28.4700 | 28M5D7W |
| | | | | 16QAM | 24.07 | EIRP | 0.255 | 28.4570 | 28M5D7W |
| | | | | 64QAM | 21.43 | EIRP | 0.139 | 28.4530 | 28M5D7W |
| | | | | 256QAM | 20.18 | EIRP | 0.104 | 28.4340 | 28M4D7W |
| 41C | 35 | 2503.8 | 2680.0 | QPSK | 24.89 | EIRP | 0.308 | 32.7980 | 32M8D7W |
| | | | | 16QAM | 24.00 | EIRP | 0.251 | 32.8120 | 32M8D7W |
| | | | | 64QAM | 21.32 | EIRP | 0.136 | 32.7480 | 32M7D7W |
| | | | | 256QAM | 20.18 | EIRP | 0.104 | 32.7550 | 32M8D7W |
| 41C | 40 | 2506.0 | 2680.0 | QPSK | 24.62 | EIRP | 0.290 | 37.6790 | 37M7D7W |
| | | | | 16QAM | 24.22 | EIRP | 0.264 | 37.7680 | 37M8D7W |
| | | | | 64QAM | 21.66 | EIRP | 0.147 | 37.7660 | 37M8D7W |
| | | | | 256QAM | 20.35 | EIRP | 0.108 | 37.7300 | 37M7D7W |

| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
|----------|----|-----------|--------|------------|------------------|------|--------------|---------|------------------|
| 66C | 25 | 1713.3 | 1770.0 | QPSK | 24.01 | EIRP | 0.252 | 23.2120 | 23M2G7D |
| | | | | 16QAM | 23.51 | EIRP | 0.224 | 23.2380 | 23M2D7W |
| | | | | 64QAM | 21.18 | EIRP | 0.131 | 23.2550 | 23M3D7W |
| | | | | 256QAM | 19.33 | EIRP | 0.086 | 23.1900 | 23M2D7W |
| 66C | 30 | 1715.5 | 1770.0 | QPSK | 23.96 | EIRP | 0.249 | 28.4380 | 28M4D7W |
| | | | | 16QAM | 23.18 | EIRP | 0.208 | 28.4530 | 28M5D7W |
| | | | | 64QAM | 21.18 | EIRP | 0.131 | 28.4360 | 28M4D7W |
| | | | | 256QAM | 19.25 | EIRP | 0.084 | 28.4290 | 28M4D7W |
| 66C | 35 | 1717.8 | 1770.0 | QPSK | 23.86 | EIRP | 0.243 | 32.7890 | 32M8D7W |
| | | | | 16QAM | 23.32 | EIRP | 0.215 | 32.7820 | 32M8D7W |
| | | | | 64QAM | 21.01 | EIRP | 0.126 | 32.7680 | 32M8D7W |
| | | | | 256QAM | 20.93 | EIRP | 0.124 | 32.7440 | 32M7D7W |
| 66C | 40 | 1720.0 | 1770.0 | QPSK | 23.82 | EIRP | 0.241 | 37.7480 | 37M7D7W |
| | | | | 16QAM | 23.13 | EIRP | 0.206 | 37.6890 | 37M7D7W |
| | | | | 64QAM | 21.07 | EIRP | 0.128 | 37.7080 | 37M7D7W |
| | | | | 256QAM | 19.14 | EIRP | 0.082 | 37.6830 | 37M7D7W |

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| LTE Band | BW | Frequency | | Modulation | ERP / EIRP (dBm) | | (W) | 99% | Type of Emission |
|----------|----|-----------|--------|------------|------------------|------|--------------|---------|------------------|
| 66B | 10 | 1713.3 | 1770.0 | QPSK | 24.52 | EIRP | 0.283 | 9.2737 | 9M3G7D |
| | | | | 16QAM | 24.01 | EIRP | 0.252 | 9.2715 | 9M3D7W |
| | | | | 64QAM | 21.95 | EIRP | 0.157 | 9.2605 | 9M3D7W |
| | | | | 256QAM | 20.44 | EIRP | 0.111 | 9.2638 | 9M3D7W |
| 66B | 15 | 1715.5 | 1770.0 | QPSK | 24.71 | EIRP | 0.296 | 13.8980 | 13M9D7W |
| | | | | 16QAM | 24.41 | EIRP | 0.276 | 13.9270 | 13M9D7W |
| | | | | 64QAM | 21.94 | EIRP | 0.156 | 13.9030 | 13M9D7W |
| | | | | 256QAM | 20.08 | EIRP | 0.102 | 13.8960 | 13M9D7W |
| 66B | 20 | 1717.8 | 1770.0 | QPSK | 25.38 | EIRP | 0.345 | 18.8190 | 18M8D7W |
| | | | | 16QAM | 24.32 | EIRP | 0.270 | 18.8400 | 18M8D7W |
| | | | | 64QAM | 22.07 | EIRP | 0.161 | 18.7900 | 18M8D7W |
| | | | | 256QAM | 20.23 | EIRP | 0.105 | 18.8370 | 18M8D7W |

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1.6 Test Methodology of Applied Standards

FCC 47 CFR Part 2, 22H, 24E, 27C.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03r01

KDB412172 D01 Determining ERP and EIRP v01r01

1.7 Test Facility

| Laboratory | Test Site Address | Test Site Name | FCC Designa- tion number | IC CAB identifier |
|---|---|----------------|-----------------------------|----------------------|
| SGS Taiwan Ltd. Central RF Lab. (TAF code 3702) | No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan. | SAC 1 | TW0027 | TW3702 |
| | | SAC 2 | | |
| | | SAC 3 | | |
| | | Conduction 1 | | |
| | | Conducted 1 | | |
| | | Conducted 2 | | |
| | | Conducted 3 | | |
| | | Conducted 4 | | |
| | | Conducted 5 | | |
| | | Conducted 6 | | |
| | No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 | Conduction C | TW0028 | |
| | | SAC C | | |
| | | SAC D | | |
| | | SAC G | | |
| | | Conducted A | | |
| | | Conducted B | | |
| | | Conducted C | | |
| | | Conducted D | | |
| | | Conducted E | | |
| | | Conducted F | | |
| Conducted G | | | | |
| Note: Test site name is remarked on the equipment list in each section of this report as an indica- tion where measurements occurred in specific test site and address. | | | | |

1.8 Special Accessories

No special accessories were used during testing.

1.9 Equipment Modifications

There was no modifications incorporated into the EUT.

1.10 Radiated Emission Test Sites for Measurements from 9 kHz to 30 MHz

Radiated emission below 30MHz is measured in a 9m*6m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

2.3 Test Procedure

2.3.1 Conducted Measurement at Antenna Port

The EUT is placed on a table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

2.3.2 Radiated Emissions (ERP/EIRP)

The EUT is placed on a turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

2.5 Final Amplifier Voltage and Current Information:

LTE CA Band 2C

| Test mode | DC voltage (V) | DC current (mA) |
|--------------------------------|----------------|-----------------|
| LTE CA Band 2C 20M+20M QPSK | 7.8 | 417 |

LTE CA Band 5B

| Test mode | DC voltage (V) | DC current (mA) |
|--------------------------------|----------------|-----------------|
| LTE CA Band 5B 10M+10M QPSK | 7.8 | 412 |

LTE CA Band 7C

| Test mode | DC voltage (V) | DC current (mA) |
|--------------------------------|----------------|-----------------|
| LTE CA Band 7C 20M+20M QPSK | 7.8 | 433 |

LTE CA Band 12B

| Test mode | DC voltage (V) | DC current (mA) |
|--------------------------------|----------------|-----------------|
| LTE CA Band 12B 5M+10M QPSK | 7.8 | 419 |

LTE CA Band 38C

| Test mode | DC voltage (V) | DC current (mA) |
|---------------------------------|----------------|-----------------|
| LTE CA Band 38C 20M+20M QPSK | 7.8 | 426 |

LTE CA Band 41C

| Test mode | DC voltage (V) | DC current (mA) |
|---------------------------------|----------------|-----------------|
| LTE CA Band 41C 20M+20M QPSK | 7.8 | 419 |

LTE CA Band 66C

| Test mode | DC voltage (V) | DC current (mA) |
|---------------------------------|----------------|-----------------|
| LTE CA Band 66C 20M+20M QPSK | 7.8 | 427 |

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LTE CA Band 66B

| Test mode | DC voltage (V) | DC current (mA) |
|---------------------------------|-------------------|--------------------|
| LTE CA Band 66C 10M+10M QPSK | 7.8 | 434 |

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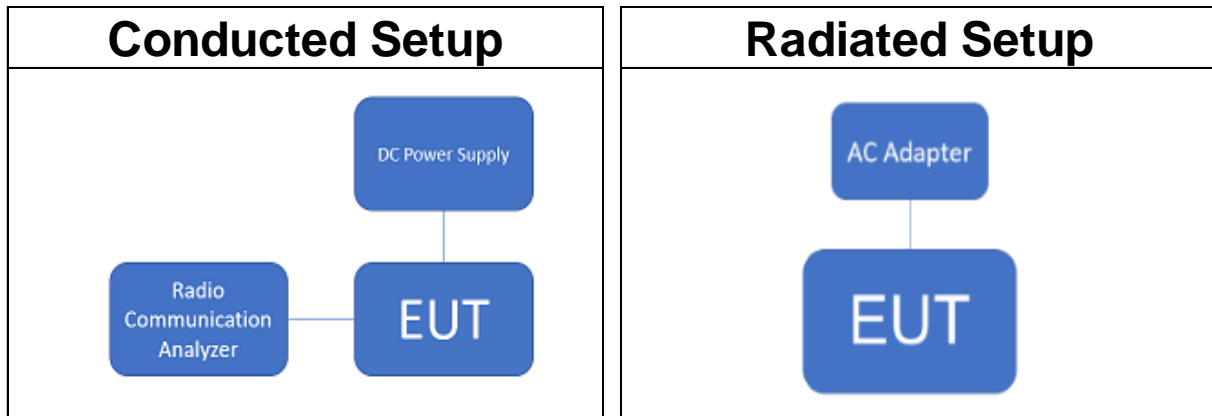
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2.6 Test Configuration



Note: Radio Communication Analyzer is placed in remote side for radiated test.

2.7 Control Unit(s)

| Radiated Emission Test Site: SAC 3 | | | | | |
|------------------------------------|--|------------------|---------------|-----------|----------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| AC Adapter | Shenzhen JingQuanHua & Everrise Intelligent Electric Co., Ltd | NSA65EU-20032500 | N/A | N/A | N/A |
| USB Cable | ASAP | LA9U2030-CS-H | N/A | N/A | N/A |

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3 SUMMARY OF TEST RESULTS

| FCC Rules | Description Of Test | Result |
|---|---|-----------|
| §2.1046(a) | RF Power Output | Compliant |
| §22.913(a)(5) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) | ERP/ EIRP measurement | Compliant |
| §2.1049(h) | 99% & 26dB Occupied Bandwidth | Compliant |
| §2.1051 §22.917(a)(b) §24.238(a)(b) §27.53(g) §27.53(m) §27.53(m)(4) §27.53(h)(1)&(3) | Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements | Compliant |
| §2.1053 §22.917(a)(b) §24.238(a)(b) §27.53(g) §27.53(h) §27.53(m)(4)(6) | Field Strength of Spurious Radiation | Compliant |
| §22.913(d) §24.232(d) §27.50(a)(1)(B) §27.50(d)(5) | Peak to Average Ratio | Compliant |
| §2.1055(a)(1) §22.355 §24.235 §27.54 | Frequency Stability | Compliant |

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4 DESCRIPTION OF TEST MODES

4.1 The Test Channel Details

This device supports with carrier aggregation (two carrier) uplink, Intra-Band contiguous and Inter-Band non-contiguous specification as below:

| E-UTRA Intra-Band CA configuration / Bandwidth combination set | | |
|--|---|---|
| E-UTRA CA configuration | Component carriers in order of in-creasing carrier frequency Channel bandwidth for PCC and SCC [MHz] | Maximum ag-gregated band-width [MHz] |
| CA_2C | 5+20 / 20+5 / 10+15 / 15+10 | 25 |
| | 10+20 / 20+10 / 15+15 | 30 |
| | 15+20 / 20+15 | 35 |
| | 20+20 | 40 |
| CA_5B | 5+10 / 10+5 | 15 |
| | 10+10 | 20 |
| CA_7C | 10+20 / 20+10 / 15+15 | 30 |
| | 15+20 / 20+15 | 35 |
| | 20+20 | 40 |
| CA_38C | 15+15 | 30 |
| | 20+20 | 40 |
| CA_41C | 5+20 / 20+5 | 25 |
| | 10+20 / 20+10 / 15+15 | 30 |
| | 15+20 / 20+15 | 35 |
| | 20+20 | 40 |
| CA_66B | 5+5 | 10 |
| | 5+10 / 10+5 | 15 |
| | 5+15 / 15+5 / 10+10 | 20 |
| CA_66C | 5+20 / 20+5 / 10+15 / 15+10 | 25 |
| | 10+20 / 20+10 / 15+15 | 30 |
| | 15+20 / 20+15 | 35 |
| | 20+20 | 40 |
| CA_12B | 5+5 | 10 |
| | 5+10 | 15 |

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4.2 The Worst-Case Test Modes and Details

1. The EUT has been tested under operating condition.
2. Pre-Scan has been conducted to determine the worst-case scenario from all possible combinations among available modulations, data rates and antenna ports, the worst case configurations listed below for the final test.
3. The field strength of radiated emission was measured as the EUT positioned in different orthogonal planes (E1/E2/H) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.
4. The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM, 64QAM and 256QAM modulations. It was found that QPSK results the highest, hence all testing was performed using QPSK modulations to represent the worst case.
5. For occupied bandwidth, frequency stability and conducted unwanted emission measurements, due to each single LTE Band standalone transmission generates higher power than the **Inter-band** transmissions, the test results are only demonstrated for each single LTE band standalone transmission in test report TERF2407002102ER as the worst case scenarios.
In addition, the radiated unwanted emissions of **inter-band** has been evaluated as no noticeable emissions, therefore, the conducted unwanted emissions was not tested.
6. For Band Edge and Emission Mask: The widest and narrowest BW combinations were tested. Combinations of same BW is considered equivalent. The RB combinations were selected as the signal activated closest to the band limit for determining the worst case scenario.
7. For Out of Band Emissions: The widest and narrowest RB combinations was tested to determine the worst case scenario with combinations generate higher emissions.
8. For peak to average ratio measurements, due to each single LTE Band standalone transmission generates higher power than the **Inter-band** transmissions, the test results are only demonstrated for each single LTE band standalone transmission in test report TERF2407002102ER as the worst case scenarios.

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4.2.1 Intra-Band

For uplink Intra-Band CA, evaluation has been done for contiguous and non-contiguous channel and bandwidth, configurations that generates highest output power in standalone transmission have been selected for the final test.

| Test Items | Band | Test Channel | | | Bandwidth (MHz) | | | | | | | Modulation | | | | RB # | | | | |
|------------------------|------|--------------|---|---|-----------------|----|----|----|----|----|----|------------|-------|-------|--------|------------------------|-----------------------|-------------------------|------------------------|------|
| | | L | M | H | 10 | 15 | 20 | 25 | 30 | 35 | 40 | QPSK | 16QAM | 64QAM | 256QAM | Edge left + Edge right | Edge left + Edge left | Edge right + Edge right | Edge right + Edge left | Full |
| Max. Output Power | 2C | v | v | v | | | | v | v | v | v | v | v | v | v | | | | v | v |
| | 5B | v | v | v | | v | v | | | | | v | v | v | v | | | | v | v |
| | 7C | v | v | v | | | | | v | v | v | v | v | v | v | | | | v | v |
| | 12B | v | v | v | v | v | | | | | | v | v | v | v | | | | v | v |
| | 38C | v | v | v | | | | | v | | v | v | v | v | v | | | | v | v |
| | 41C | v | v | v | | | | v | v | v | v | v | v | v | v | | | | v | v |
| | 66B | v | v | v | v | v | v | | | | | v | v | v | v | | | | v | v |
| | 66C | v | v | v | | | | v | v | v | v | v | v | v | v | | | | v | v |
| Frequency Stability | 2C | | v | | | | | | | | v | v | | | | | | | | v |
| | 5B | | v | | | | v | | | | | v | | | | | | | | v |
| | 7C | | v | | | | | | | | v | v | | | | | | | | v |
| | 12B | | v | | | v | | | | | | v | | | | | | | | v |
| | 38C | | v | | | | | | | | v | v | | | | | | | | v |
| | 41C | | v | | | | | | | | v | v | | | | | | | | v |
| | 66B | | v | | | | v | | | | | v | | | | | | | | v |
| | 66C | | v | | | | | | | | v | v | | | | | | | | v |
| Test Items | Band | Test Channel | | | Bandwidth (MHz) | | | | | | | Modulation | | | | RB # | | | | |
| | | L | M | H | 10 | 15 | 20 | 25 | 30 | 35 | 40 | QPSK | 16QAM | 64QAM | 256QAM | Edge left + Edge right | Edge left + Edge left | Edge right + Edge right | Edge right + Edge left | Full |
| 26dB and 99% Bandwidth | 2C | | v | | | | | v | v | v | v | v | v | v | v | | | | | v |
| | 5B | | v | | | v | v | | | | | v | v | v | v | | | | | v |
| | 7C | | v | | | | | | v | v | v | v | v | v | v | | | | | v |
| | 12B | | v | | v | v | | | | | | v | v | v | v | | | | | v |
| | 38C | | v | | | | | | v | | v | v | v | v | v | | | | | v |
| | 41C | | v | | | | | v | v | v | v | v | v | v | v | | | | | v |
| | 42C | | v | | | | | v | v | v | v | v | v | v | v | | | | | v |
| | 66B | | v | | v | v | v | | | | | v | v | v | v | | | | | v |
| Peak-to-Average Ratio | 2C | | v | | | | | v | v | v | v | | | | v | | | | | v |
| | 5B | | v | | | v | v | | | | | | | | v | | | | | v |
| | 7C | | v | | | | | | v | v | v | | | | v | | | | | v |
| | 12B | | v | | v | v | | | | | | | | | v | | | | | v |
| | 38C | | v | | | | | | v | | v | | | | v | | | | | v |
| | 41C | | v | | | | | v | v | v | v | | | | v | | | | | v |
| | 42C | | v | | | | | v | v | v | v | | | | v | | | | | v |
| | 66B | | v | | v | v | v | | | | | | | | v | | | | | v |
| Band Edge | 2C | | | v | | | | | v | v | v | | | | v | | | | | v |
| | 5B | | | v | | | | | | | | | | | | | v | v | | v |
| | 12B | | | v | | v | | | | | | | | | | | v | v | | v |
| | 66B | | | v | | | v | | | | | | | | | | v | v | | v |
| | 66C | | | v | | | | v | v | v | v | | | | | | v | v | | v |
| Test Items | Band | Test Channel | | | Bandwidth (MHz) | | | | | | | Modulation | | | | RB # | | | | |
| | | L | M | H | 10 | 15 | 20 | 25 | 30 | 35 | 40 | QPSK | 16QAM | 64QAM | 256QAM | Edge left + Edge right | Edge left + Edge left | Edge right + Edge right | Edge right + Edge left | Full |
| Mask | 2C | v | | v | | | | | v | | v | v | | | | | v | v | | v |
| | 5B | v | | v | | | v | | | | | | | | | | v | v | | v |
| | 12B | v | | v | | v | | | | | | | | | | | v | v | | v |
| | 66B | v | | v | | | v | | | | | | | | | | v | v | | v |
| Conducted Emission | 2C | v | v | v | | | | | v | | v | v | | | | | | | v | |
| | 5B | v | v | v | | | v | | | | | v | | | | | | | v | |
| | 12B | v | v | v | | v | | | | | | v | | | | | | | v | |
| | 7C | v | v | v | | | | | v | | v | v | | | | | | | v | |
| | 38C | v | v | v | | | | | v | | v | v | | | | | | | v | |
| | 41C | v | v | v | | | | | | v | v | v | | | | | | | v | |
| | 66B | v | v | v | | | v | | | | | v | | | | | | | v | |
| | 66C | v | v | v | | | | v | | | v | v | | | | | | | v | |

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| Test Items | Band | Test Channel | | | Bandwidth (MHz) | | | | | | | | Modulation | | | | RB # | | | | |
|-------------------|------|--------------|---|---|-----------------|----|----|----|----|----|----|------|------------|-------|--------|---------------------------|--------------------------|----------------------------|---------------------------|------|--|
| | | L | M | H | 10 | 15 | 20 | 25 | 30 | 35 | 40 | QPSK | 16QAM | 64QAM | 256QAM | Edge left + Edge right | Edge left + Edge left | Edge right + Edge right | Edge right + Edge left | Full | |
| Radiated Emission | 2C | v | v | v | | | | | v | | | v | | | | | | | | v | |
| | 5B | v | v | v | | | v | | | | | v | | | | | | | | v | |
| | 12B | v | v | v | | v | | | | | | v | | | | | | | | v | |
| | 7C | v | v | v | | | | | v | | | v | | | | | | | | v | |
| | 38C | v | v | v | | | | | v | | | v | | | | | | | | v | |
| | 41C | v | v | v | | | | | | v | | v | | | | | | | | v | |
| | 66B | v | v | v | | | v | | | | | v | | | | | | | | v | |
| | 66C | v | v | v | | | | v | | | | v | | | | | | | | v | |

4.2.2 Inter-Band

For uplink Inter-Band CA configurations, following configurations have been selected for the final test.

| E-UTRA Band | Test Channel | Channel Bandwidth (MHz) | Modulation | Resource Block Allocation | |
|-------------|--------------|-------------------------|------------|---------------------------|-----------|
| | | | | RBs allocated | RB Offset |
| 2A_4A | 18700_20050 | 20_20 | QPSK | 1_1 | 0_0 |
| 2A_4A | 18900_20175 | 20_20 | QPSK | 1_1 | 0_0 |
| 2A_4A | 19100_20300 | 20_20 | QPSK | 1_1 | 0_0 |
| 2A_5A | 18700_829 | 20_10 | QPSK | 1_1 | 0_0 |
| 2A_5A | 18900_836.5 | 20_10 | QPSK | 1_1 | 0_0 |
| 2A_5A | 19100_844 | 20_10 | QPSK | 1_1 | 0_0 |
| 2A_30A | 18700_27685 | 20_5 | QPSK | 1_1 | 0_0 |
| 2A_30A | 18900_27710 | 20_5 | QPSK | 1_1 | 0_0 |
| 2A_30A | 19100_27735 | 20_5 | QPSK | 1_1 | 0_0 |
| 5A_7A | 20450_20850 | 10_20 | QPSK | 1_1 | 0_0 |
| 5A_7A | 20525_21100 | 10_20 | QPSK | 1_1 | 0_0 |
| 5A_7A | 20600_21350 | 10_20 | QPSK | 1_1 | 0_0 |
| 5A_66A | 20450_132072 | 10_20 | QPSK | 1_1 | 0_0 |
| 5A_66A | 20525_132322 | 10_20 | QPSK | 1_1 | 0_0 |
| 5A_66A | 20600_132572 | 10_20 | QPSK | 1_1 | 0_0 |

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5 MEASUREMENT UNCERTAINTY

| Test Items | Uncertainty |
|--|-------------|
| RF Power Output | +/- 0.97 dB |
| ERP/ EIRP measurement | +/- 2.15 dB |
| | +/- 2.15 dB |
| Emission Bandwidth | +/- 1.38 Hz |
| Out of Band Emissions at Antenna Terminals and Band Edge | +/- 0.77 dB |
| Peak to Average Ratio | +/- 0.97 dB |
| Frequency Stability vs. Temperature | +/- 1.48 Hz |
| Frequency Stability vs. Voltage | +/- 1.48 Hz |
| Temperature | +/- 0.6 °C |
| Humidity | +/- 3 % |
| DC / AC Power Source | +/- 1 % |

| Radiated Spurious Emission Measurement Uncertainty | | | |
|--|-----|---------|-----------------|
| Polarization: Vertical | +/- | 1.89 dB | 9kHz~30MHz |
| | +/- | 4.15 dB | 30MHz - 1000MHz |
| | +/- | 3.43 dB | 1GHz - 18GHz |
| | +/- | 3.86 dB | 18GHz - 40GHz |
| Polarization: Horizontal | +/- | 1.89 dB | 9kHz~30MHz |
| | +/- | 4.02 dB | 30MHz - 1000MHz |
| | +/- | 3.43 dB | 1GHz - 18GHz |
| | +/- | 3.86 dB | 18GHz - 40GHz |
| Radiated Spurious Emission | +/- | 2 dB | 33GHz-50GHz |
| | +/- | 1.59 dB | 50GHz-60GHz |
| | +/- | 1.7 dB | 60GHz-90GHz |
| | +/- | 1.64 dB | 90GHz-140GHz |
| | +/- | 3.83 dB | 140GHz-220GHz |

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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6 MEASUREMENT EQUIPMENT USED

6.1 Conducted Measurement

| Conducted Emission Test Site: Conducted 3 | | | | | |
|---|---------------|---------------------|---------------|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| 4G High Pass Filter | WI | WHKX4.0 | 21 | 12/12/2023 | 12/11/2024 |
| Attenuator | Mini-Circuits | BW-S10W2+ | 16 | 12/12/2023 | 12/11/2024 |
| DC Block | Mini-Circuits | BLK-18-S+ | 11 | 12/12/2023 | 12/11/2024 |
| DC Power Supply | Gwinstek | SPS-3610 | GEV856733 | 12/04/2023 | 12/03/2024 |
| EXA Spectrum Analyzer | KEYSIGHT | N9010A | MY57120290 | 04/10/2024 | 04/09/2025 |
| EXA Spectrum Analyzer | KEYSIGHT | N9010B | MY59071571 | 06/04/2024 | 06/03/2025 |
| PXA Spectrum Analyzer | Keysight | N9030B | MY61330494 | 03/22/2024 | 03/21/2025 |
| Radio Communication Analyzer | Anritsu | MT8821C | 6261786084 | 01/16/2024 | 01/15/2025 |
| Splitter | Titan | T0510E2W118Q | 22015158 | 12/12/2023 | 12/11/2024 |
| Temperature Chamber | Giant Force | GTH-150-40-CP-AR | MAA0512-018 | 06/05/2024 | 06/04/2025 |
| Test Software | SGS | Radio Test Software | Ver. 21 | N.C.R | N.C.R |

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6.2 Radiated Measurement

| Radiated Emission Test Site: SAC 3 | | | | | |
|------------------------------------|----------------------|--|--|------------|------------|
| EQUIPMENT TYPE | MFR | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. |
| Attenuator | Mini-Circuits | BW-S10W2+ | 16 | 12/12/2023 | 12/11/2024 |
| 1G High Pass Filter | Micro-Tronics | HPM50108 | 32 | 12/12/2023 | 12/11/2024 |
| 2G High Pass Filter | Micro-Tronics | HPM50110 | 36 | 12/12/2023 | 12/11/2024 |
| Band Reject Filter 800-1000 | EWT | EWT-54-0037 | M3R | 12/12/2023 | 12/11/2024 |
| Band Reject Filter 1700-2000 | EWT | EWT-54-0038 | M1 | 12/12/2023 | 12/11/2024 |
| Band Reject Filter 2240-2700 | WI | WRCJV2300/2700- 2240/2760-40/12SS | 1 | 12/12/2023 | 12/11/2024 |
| Coaxial Cables | Huber Suhner | SUCOFLEX 102+SUCOFLEX 106 | TX Cable 30M-40G 23051/2+76096/6+2 2962/2 | 08/30/2024 | 08/29/2025 |
| Coaxial Cables | EMCI+Huber Suhner | EMC107-SM-SM- 1000 +SUCOFLEX 104PEA +EMC107-SM-SM- 1500 +SUCOFLEX 106 | RX Cable 9K-18G (221110+MY4251/4 PEA+221106+76096 /6) | 08/30/2024 | 08/29/2025 |
| Coaxial Cables | Huber Suhner | SUCOFLEX 102 | RX Cable 18G-40G MY2630/2+805062/ 2 | 08/30/2024 | 08/29/2025 |
| Radio Communication Analyzer | Anritsu | MT8821C | 6262044670 | 08/23/2024 | 08/22/2025 |
| EMI Test Receiver | R&S | ESCI 7 | 100759 | 08/28/2024 | 08/27/2025 |
| EXA Spectrum Analyzer | KEYSIGHT | N9010B | MY63440386 | 02/06/2024 | 02/05/2025 |
| Network Analyzer | R&S | ZNB 40 | 101842 | 05/16/2024 | 05/15/2025 |
| Bi-log Antenna | SCHWARZBECK | VULB9168 | 378 | 08/09/2024 | 08/08/2025 |
| Bi-log Antenna | SCHWARZBECK | VULB9168 | 1208 | 07/17/2024 | 07/16/2025 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 603 | 05/15/2024 | 05/14/2025 |
| Horn Antenna | SCHWARZBECK | BBHA9170 | 184 | 12/28/2023 | 12/27/2024 |
| Horn Antenna | RF SPIN | DRH0844 | LE2D05A0844 | 07/10/2024 | 07/09/2025 |
| Horn Antenna | SCHWARZBECK | BBHA9120D | 1441 | 09/23/2024 | 09/22/2025 |
| Pre-Amplifier | EMCI | EMC184045SEE | 9080939 | 08/30/2024 | 08/29/2025 |
| Pre-Amplifier | EMCI | EMC118A45SEE | 980868 | 08/30/2024 | 08/29/2025 |
| Pre-Amplifier | HP | 8447D | 2944A07676 | 08/30/2024 | 08/29/2025 |
| Site Cal | SGS | SAC 3 | N/A | 08/30/2024 | 08/29/2025 |
| Test Software | Audix | e3 | Ver. 9.210616 | N.C.R | N.C.R |

Note: N.C.R refers to Not Calibrated Required.

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7 MAXIMUM OUTPUT POWER

7.1 Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

7.1.1 ERP/EIRP LIMIT

According to FCC §2.1046

FCC 22.913(a)

(5) mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

FCC 24.232(c)

Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(c)

(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

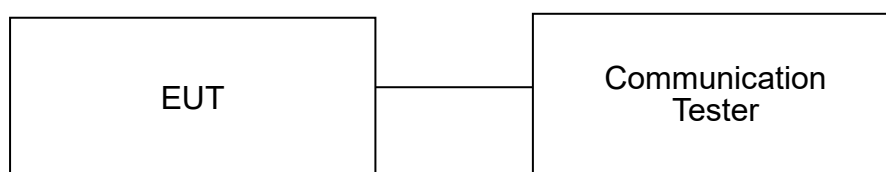
FCC 27.50(d)

(4) Mobile, and portable (hand-held) stations operating in the 1710-1755 MHz, 1695-1710 MHz and 1755-1780 MHz bands are limited to 1W EIRP.

FCC 27, 50(h)

(2) Mobile and other user stations transmitting in the BRS and EBS bands are limited to 2 W EIRP.

7.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

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7.3 Output Power Measurement Applicable Guidance

The transmitter output was connected to a communication tester. Transmitter output was read off the communication tester in dBm. The power output at the transmitter antenna port was determined by the communication tester reading

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCDMA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results.

All LTE bands conducted average power is obtained from the simulator telecommunication test set.

7.4 Determining ERP and/or EIRP from conducted RF output power measurements

According to KDB 412172 D01 Power Approach,

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

$$ERP = EIRP - 2.15,$$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power (expressed in the same units as P_T , typically dBW, dBm, or power spectral density (PSD)²), relative to either a dipole antenna (ERP) or an isotropic antenna (EIRP);

P_T = transmitter output power, expressed in dBW, dBm, or PSD;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

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

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7.5 LTE Measurement Results:

| Part 24 _ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND2C (5MHz + 20MHz) | | | | | | | | | |
|--------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 5MHz+ 20MHz | 18633 | 1853.3 | 18750 | 1865.0 | QPSK | 1 | 24 | 1 | 0 | 20.72 | 23.75 | 23.75 | 23.55 | 0.226 |
| | | | | | | 25 | 0 | 100 | 0 | 20.23 | 20.75 | 23.21 | 23.01 | 0.200 |
| | 18808 | 1870.8 | 18925 | 1882.5 | QPSK | 1 | 24 | 1 | 0 | 22.02 | 24.53 | 24.54 | 24.34 | 0.272 |
| | | | | | | 25 | 0 | 100 | 0 | 20.46 | 20.12 | 23.01 | 22.81 | 0.191 |
| | 18983 | 1888.3 | 19100 | 1900.0 | QPSK | 1 | 24 | 1 | 0 | 20.57 | 23.07 | 23.08 | 22.88 | 0.194 |
| | | | | | | 25 | 0 | 100 | 0 | 19.75 | 20.31 | 22.80 | 22.60 | 0.182 |
| 5MHz+ 20MHz | 18633 | 1853.3 | 18750 | 1865.0 | 16QAM | 1 | 24 | 1 | 0 | 20.05 | 23.04 | 23.04 | 22.84 | 0.192 |
| | | | | | | 25 | 0 | 100 | 0 | 19.14 | 19.72 | 22.17 | 21.97 | 0.157 |
| | 18808 | 1870.8 | 18925 | 1882.5 | 16QAM | 1 | 24 | 1 | 0 | 20.72 | 23.85 | 23.85 | 23.65 | 0.232 |
| | | | | | | 25 | 0 | 100 | 0 | 19.08 | 19.60 | 22.09 | 21.89 | 0.155 |
| | 18983 | 1888.3 | 19100 | 1900.0 | 16QAM | 1 | 24 | 1 | 0 | 19.57 | 22.57 | 22.57 | 22.37 | 0.173 |
| | | | | | | 25 | 0 | 100 | 0 | 18.78 | 19.30 | 21.79 | 21.59 | 0.144 |
| 5MHz+ 20MHz | 18633 | 1853.3 | 18750 | 1865.0 | 64QAM | 1 | 24 | 1 | 0 | 17.86 | 20.82 | 20.82 | 20.62 | 0.115 |
| | | | | | | 25 | 0 | 100 | 0 | 18.19 | 18.75 | 21.21 | 21.01 | 0.126 |
| | 18808 | 1870.8 | 18925 | 1882.5 | 64QAM | 1 | 24 | 1 | 0 | 18.12 | 21.36 | 21.36 | 21.16 | 0.131 |
| | | | | | | 25 | 0 | 100 | 0 | 18.10 | 18.61 | 21.12 | 20.92 | 0.124 |
| | 18983 | 1888.3 | 19100 | 1900.0 | 64QAM | 1 | 24 | 1 | 0 | 17.35 | 20.30 | 20.31 | 20.11 | 0.103 |
| | | | | | | 25 | 0 | 100 | 0 | 17.81 | 18.31 | 20.81 | 20.61 | 0.115 |
| 5MHz+ 20MHz | 18633 | 1853.3 | 18750 | 1865.0 | 256QAM | 1 | 24 | 1 | 0 | 16.69 | 19.62 | 19.62 | 19.42 | 0.087 |
| | | | | | | 25 | 0 | 100 | 0 | 17.19 | 17.71 | 20.20 | 20.00 | 0.100 |
| | 18808 | 1870.8 | 18925 | 1882.5 | 256QAM | 1 | 24 | 1 | 0 | 16.96 | 20.36 | 20.36 | 20.16 | 0.104 |
| | | | | | | 25 | 0 | 100 | 0 | 17.20 | 17.72 | 20.23 | 20.03 | 0.101 |
| | 18983 | 1888.3 | 19100 | 1900.0 | 256QAM | 1 | 24 | 1 | 0 | 15.97 | 19.01 | 19.01 | 18.81 | 0.076 |
| | | | | | | 25 | 0 | 100 | 0 | 16.99 | 17.59 | 20.06 | 19.86 | 0.097 |

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| | |
|--------------------------|------|
| Part 24 _ EIRP Limit (W) | 2 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 2C (10MHz + 15MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 10MHz+15MHz | 18653 | 1855.3 | 18773 | 1867.3 | QPSK | 1 | 49 | 1 | 0 | 20.30 | 20.47 | 23.30 | 23.10 | 0.204 |
| | | | | | | 50 | 0 | 75 | 0 | 19.90 | 19.69 | 22.80 | 22.60 | 0.182 |
| | 18829 | 1872.9 | 18949 | 1884.9 | QPSK | 1 | 49 | 1 | 0 | 21.83 | 21.92 | 24.81 | 24.61 | 0.289 |
| | | | | | | 50 | 0 | 75 | 0 | 20.16 | 20.18 | 23.18 | 22.98 | 0.199 |
| | 19005 | 1890.5 | 19125 | 1902.5 | QPSK | 1 | 49 | 1 | 0 | 20.10 | 20.31 | 23.12 | 22.92 | 0.196 |
| | | | | | | 50 | 0 | 75 | 0 | 19.88 | 19.78 | 22.84 | 22.64 | 0.184 |
| 10MHz+15MHz | 18653 | 1855.3 | 18773 | 1867.3 | 16QAM | 1 | 49 | 1 | 0 | 19.57 | 19.85 | 22.63 | 22.43 | 0.175 |
| | | | | | | 50 | 0 | 75 | 0 | 18.15 | 19.22 | 21.73 | 21.53 | 0.142 |
| | 18829 | 1872.9 | 18949 | 1884.9 | 16QAM | 1 | 49 | 1 | 0 | 20.54 | 21.26 | 23.86 | 23.66 | 0.232 |
| | | | | | | 50 | 0 | 75 | 0 | 19.18 | 19.14 | 22.17 | 21.97 | 0.157 |
| | 19005 | 1890.5 | 19125 | 1902.5 | 16QAM | 1 | 49 | 1 | 0 | 19.07 | 19.85 | 22.38 | 22.18 | 0.165 |
| | | | | | | 50 | 0 | 75 | 0 | 18.68 | 18.74 | 21.72 | 21.52 | 0.142 |
| 10MHz+15MHz | 18653 | 1855.3 | 18773 | 1867.3 | 64QAM | 1 | 49 | 1 | 0 | 17.12 | 17.17 | 20.04 | 19.84 | 0.096 |
| | | | | | | 50 | 0 | 75 | 0 | 17.16 | 18.16 | 20.70 | 20.50 | 0.112 |
| | 18829 | 1872.9 | 18949 | 1884.9 | 64QAM | 1 | 49 | 1 | 0 | 17.76 | 18.35 | 20.97 | 20.77 | 0.119 |
| | | | | | | 50 | 0 | 75 | 0 | 18.43 | 18.35 | 21.40 | 21.20 | 0.132 |
| | 19005 | 1890.5 | 19125 | 1902.5 | 64QAM | 1 | 49 | 1 | 0 | 16.92 | 17.52 | 20.16 | 19.96 | 0.099 |
| | | | | | | 50 | 0 | 75 | 0 | 7.75 | 17.70 | 20.74 | 20.54 | 0.113 |
| 10MHz+15MHz | 18653 | 1855.3 | 18773 | 1867.3 | 256QAM | 1 | 49 | 1 | 0 | 16.19 | 16.34 | 19.17 | 18.97 | 0.079 |
| | | | | | | 50 | 0 | 75 | 0 | 16.26 | 17.14 | 19.73 | 19.53 | 0.090 |
| | 18829 | 1872.9 | 18949 | 1884.9 | 256QAM | 1 | 49 | 1 | 0 | 16.74 | 17.14 | 19.88 | 19.68 | 0.093 |
| | | | | | | 50 | 0 | 75 | 0 | 17.30 | 17.26 | 20.29 | 20.09 | 0.102 |
| | 19005 | 1890.5 | 19125 | 1902.5 | 256QAM | 1 | 49 | 1 | 0 | 16.00 | 16.50 | 19.18 | 18.98 | 0.079 |
| | | | | | | 50 | 0 | 75 | 0 | 16.78 | 16.85 | 19.82 | 19.62 | 0.092 |

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| Part 24 _ EIRP Limit (W) | | | | 2 | | OUTPUT POWER FOR LTE BAND2C (15MHz + 10MHz) | | | | | | | | | |
|--------------------------|--------|--------|--------|--------|------------|---|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|--|
| Antenna Gain | | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average | |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) | |
| 15MHz+ 10MHz | 18675 | 1857.5 | 18795 | 1869.5 | QPSK | 1 | 74 | 1 | 0 | 20.68 | 19.46 | 23.05 | 22.85 | 0.193 | |
| | | | | | | 75 | 0 | 50 | 0 | 19.87 | 19.42 | 22.66 | 22.46 | 0.176 | |
| | 18851 | 1875.1 | 18971 | 1887.1 | QPSK | 1 | 74 | 1 | 0 | 21.78 | 21.75 | 24.72 | 24.52 | 0.283 | |
| | | | | | | 75 | 0 | 50 | 0 | 20.18 | 20.08 | 23.14 | 22.94 | 0.197 | |
| | 19027 | 1892.7 | 19147 | 1904.7 | QPSK | 1 | 74 | 1 | 0 | 20.52 | 20.50 | 23.45 | 23.25 | 0.211 | |
| | | | | | | 75 | 0 | 50 | 0 | 20.06 | 19.97 | 23.02 | 22.82 | 0.191 | |
| 15MHz+ 10MHz | 18675 | 1857.5 | 18795 | 1869.5 | 16QAM | 1 | 74 | 1 | 0 | 19.67 | 19.57 | 22.55 | 22.35 | 0.172 | |
| | | | | | | 75 | 0 | 50 | 0 | 18.64 | 18.45 | 21.56 | 21.36 | 0.137 | |
| | 18851 | 1875.1 | 18971 | 1887.1 | 16QAM | 1 | 74 | 1 | 0 | 20.63 | 20.25 | 23.36 | 23.16 | 0.207 | |
| | | | | | | 75 | 0 | 50 | 0 | 19.14 | 19.13 | 22.14 | 21.94 | 0.156 | |
| | 19027 | 1892.7 | 19147 | 1904.7 | 16QAM | 1 | 74 | 1 | 0 | 19.87 | 20.05 | 22.90 | 22.70 | 0.186 | |
| | | | | | | 75 | 0 | 50 | 0 | 18.93 | 18.87 | 21.91 | 21.71 | 0.148 | |
| 15MHz+ 10MHz | 18675 | 1857.5 | 18795 | 1869.5 | 64QAM | 1 | 74 | 1 | 0 | 17.28 | 17.36 | 20.23 | 20.03 | 0.101 | |
| | | | | | | 75 | 0 | 50 | 0 | 17.71 | 17.59 | 20.66 | 20.46 | 0.111 | |
| | 18851 | 1875.1 | 18971 | 1887.1 | 64QAM | 1 | 74 | 1 | 0 | 17.69 | 17.62 | 20.58 | 20.38 | 0.109 | |
| | | | | | | 75 | 0 | 50 | 0 | 18.30 | 18.34 | 21.33 | 21.13 | 0.130 | |
| | 19027 | 1892.7 | 19147 | 1904.7 | 64QAM | 1 | 74 | 1 | 0 | 17.46 | 17.75 | 20.52 | 20.32 | 0.108 | |
| | | | | | | 75 | 0 | 50 | 0 | 17.42 | 18.52 | 21.01 | 20.81 | 0.121 | |
| 15MHz+ 10MHz | 18675 | 1857.5 | 18795 | 1869.5 | 256QAM | 1 | 74 | 1 | 0 | 16.58 | 16.25 | 19.34 | 19.14 | 0.082 | |
| | | | | | | 75 | 0 | 50 | 0 | 17.19 | 16.14 | 19.71 | 19.51 | 0.089 | |
| | 18851 | 1875.1 | 18971 | 1887.1 | 256QAM | 1 | 74 | 1 | 0 | 16.88 | 16.41 | 19.61 | 19.41 | 0.087 | |
| | | | | | | 75 | 0 | 50 | 0 | 17.20 | 17.15 | 20.19 | 19.99 | 0.100 | |
| | 19027 | 1892.7 | 19147 | 1904.7 | 256QAM | 1 | 74 | 1 | 0 | 16.86 | 16.48 | 19.61 | 19.41 | 0.087 | |
| | | | | | | 75 | 0 | 50 | 0 | 17.08 | 17.09 | 20.10 | 19.90 | 0.098 | |

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|--------------------------|------|
| Part 24 _ EIRP Limit (W) | 2 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 2C (20MHz + 5MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+5MHz | 18700 | 1860.0 | 18817 | 1871.7 | QPSK | 1 | 99 | 1 | 0 | 23.66 | 20.66 | 23.68 | 23.48 | 0.223 |
| | | | | | | 100 | 0 | 25 | 0 | 20.15 | 19.64 | 22.67 | 22.47 | 0.177 |
| | 18875 | 1877.5 | 18992 | 1889.2 | QPSK | 1 | 99 | 1 | 0 | 23.75 | 20.77 | 23.76 | 23.56 | 0.227 |
| | | | | | | 100 | 0 | 25 | 0 | 20.40 | 19.96 | 22.94 | 22.74 | 0.188 |
| | 19050 | 1895.0 | 19167 | 1906.7 | QPSK | 1 | 99 | 1 | 0 | 24.91 | 22.39 | 24.93 | 24.73 | 0.297 |
| | | | | | | 100 | 0 | 25 | 0 | 20.90 | 20.36 | 23.39 | 23.19 | 0.208 |
| 20MHz+5MHz | 18700 | 1860.0 | 18817 | 1871.7 | 16QAM | 1 | 99 | 1 | 0 | 23.18 | 20.08 | 23.18 | 22.98 | 0.199 |
| | | | | | | 100 | 0 | 25 | 0 | 19.54 | 18.11 | 21.68 | 21.48 | 0.141 |
| | 18875 | 1877.5 | 18992 | 1889.2 | 16QAM | 1 | 99 | 1 | 0 | 23.86 | 20.68 | 23.87 | 23.67 | 0.233 |
| | | | | | | 100 | 0 | 25 | 0 | 19.30 | 18.83 | 21.82 | 21.62 | 0.145 |
| | 19050 | 1895.0 | 19167 | 1906.7 | 16QAM | 1 | 99 | 1 | 0 | 23.69 | 20.65 | 23.70 | 23.50 | 0.224 |
| | | | | | | 100 | 0 | 25 | 0 | 19.68 | 19.15 | 22.20 | 22.00 | 0.158 |
| 20MHz+5MHz | 18700 | 1860.0 | 18817 | 1871.7 | 64QAM | 1 | 99 | 1 | 0 | 20.87 | 17.69 | 20.87 | 20.67 | 0.117 |
| | | | | | | 100 | 0 | 25 | 0 | 18.30 | 17.75 | 20.78 | 20.58 | 0.114 |
| | 18875 | 1877.5 | 18992 | 1889.2 | 64QAM | 1 | 99 | 1 | 0 | 21.61 | 18.91 | 21.62 | 21.42 | 0.139 |
| | | | | | | 100 | 0 | 25 | 0 | 18.49 | 17.88 | 20.95 | 20.75 | 0.119 |
| | 19050 | 1895.0 | 19167 | 1906.7 | 64QAM | 1 | 99 | 1 | 0 | 20.64 | 17.84 | 20.64 | 20.44 | 0.111 |
| | | | | | | 100 | 0 | 25 | 0 | 18.90 | 18.23 | 21.34 | 21.14 | 0.130 |
| 20MHz+5MHz | 18700 | 1860.0 | 18817 | 1871.7 | 256QAM | 1 | 99 | 1 | 0 | 19.92 | 16.87 | 19.92 | 19.72 | 0.094 |
| | | | | | | 100 | 0 | 25 | 0 | 17.39 | 16.74 | 19.82 | 19.62 | 0.092 |
| | 18875 | 1877.5 | 18992 | 1889.2 | 256QAM | 1 | 99 | 1 | 0 | 20.52 | 17.52 | 20.52 | 20.32 | 0.108 |
| | | | | | | 100 | 0 | 25 | 0 | 17.45 | 16.96 | 19.97 | 19.77 | 0.095 |
| | 19050 | 1895.0 | 19167 | 1906.7 | 256QAM | 1 | 99 | 1 | 0 | 19.74 | 16.91 | 19.74 | 19.54 | 0.090 |
| | | | | | | 100 | 0 | 25 | 0 | 17.93 | 17.43 | 20.46 | 20.26 | 0.106 |

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| Part 24 _ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 2C (10MHz + 20MHz) | | | | | | | | | |
|--------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 10MHz+ 20MHz | 18655 | 1855.5 | 18799 | 1869.9 | QPSK | 1 | 49 | 1 | 0 | 20.45 | 22.55 | 23.44 | 23.24 | 0.211 |
| | | | | | | 50 | 0 | 100 | 0 | 20.05 | 20.08 | 23.05 | 22.85 | 0.193 |
| | 18806 | 1870.6 | 18950 | 1885.0 | QPSK | 1 | 49 | 1 | 0 | 21.99 | 24.12 | 25.02 | 24.82 | 0.303 |
| | | | | | | 50 | 0 | 100 | 0 | 20.03 | 20.04 | 23.02 | 22.82 | 0.191 |
| | 18956 | 1885.6 | 19100 | 1900.0 | QPSK | 1 | 49 | 1 | 0 | 20.63 | 22.74 | 23.71 | 23.51 | 0.224 |
| | | | | | | 50 | 0 | 100 | 0 | 20.02 | 20.08 | 23.03 | 22.83 | 0.192 |
| 10MHz+ 20MHz | 18655 | 1855.5 | 18799 | 1869.9 | 16QAM | 1 | 49 | 1 | 0 | 19.74 | 21.70 | 22.74 | 22.54 | 0.179 |
| | | | | | | 50 | 0 | 100 | 0 | 19.06 | 19.02 | 22.02 | 21.82 | 0.152 |
| | 18806 | 1870.6 | 18950 | 1885.0 | 16QAM | 1 | 49 | 1 | 0 | 21.12 | 23.61 | 24.52 | 24.32 | 0.270 |
| | | | | | | 50 | 0 | 100 | 0 | 19.50 | 18.50 | 22.01 | 21.81 | 0.152 |
| | 18956 | 1885.6 | 19100 | 1900.0 | 16QAM | 1 | 49 | 1 | 0 | 19.96 | 21.68 | 22.73 | 22.53 | 0.179 |
| | | | | | | 50 | 0 | 100 | 0 | 18.97 | 19.10 | 22.02 | 21.82 | 0.152 |
| 10MHz+ 20MHz | 18655 | 1855.5 | 18799 | 1869.9 | 64QAM | 1 | 49 | 1 | 0 | 17.64 | 19.14 | 20.16 | 19.96 | 0.099 |
| | | | | | | 50 | 0 | 100 | 0 | 17.61 | 18.54 | 21.08 | 20.88 | 0.122 |
| | 18806 | 1870.6 | 18950 | 1885.0 | 64QAM | 1 | 49 | 1 | 0 | 19.34 | 20.87 | 22.10 | 21.90 | 0.155 |
| | | | | | | 50 | 0 | 100 | 0 | 18.06 | 18.05 | 21.04 | 20.84 | 0.121 |
| | 18956 | 1885.6 | 19100 | 1900.0 | 64QAM | 1 | 49 | 1 | 0 | 17.43 | 19.07 | 20.30 | 20.10 | 0.102 |
| | | | | | | 50 | 0 | 100 | 0 | 18.44 | 17.57 | 21.01 | 20.81 | 0.121 |
| 10MHz+ 20MHz | 18655 | 1855.5 | 18799 | 1869.9 | 256QAM | 1 | 49 | 1 | 0 | 16.40 | 18.38 | 19.35 | 19.15 | 0.082 |
| | | | | | | 50 | 0 | 100 | 0 | 17.13 | 17.02 | 20.05 | 19.85 | 0.097 |
| | 18806 | 1870.6 | 18950 | 1885.0 | 256QAM | 1 | 49 | 1 | 0 | 17.01 | 19.57 | 20.46 | 20.26 | 0.106 |
| | | | | | | 50 | 0 | 100 | 0 | 16.91 | 16.98 | 19.93 | 19.73 | 0.094 |
| | 18956 | 1885.6 | 19100 | 1900.0 | 256QAM | 1 | 49 | 1 | 0 | 16.83 | 18.36 | 19.51 | 19.31 | 0.085 |
| | | | | | | 50 | 0 | 100 | 0 | 17.12 | 17.22 | 20.16 | 19.96 | 0.099 |

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| Part 24 _ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 2C (15MHz + 15MHz) | | | | | | | | | |
|--------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 15MHz+ 15MHz | 18675 | 1857.5 | 18825 | 1872.5 | QPSK | 1 | 74 | 1 | 0 | 20.29 | 20.28 | 23.29 | 23.09 | 0.204 |
| | | | | | | 75 | 0 | 75 | 0 | 19.97 | 19.95 | 22.97 | 22.77 | 0.189 |
| | 18825 | 1872.5 | 18975 | 1887.5 | QPSK | 1 | 74 | 1 | 0 | 22.05 | 22.00 | 25.03 | 24.83 | 0.304 |
| | | | | | | 75 | 0 | 75 | 0 | 19.91 | 19.96 | 22.95 | 22.75 | 0.188 |
| | 18975 | 1887.5 | 19125 | 1902.5 | QPSK | 1 | 74 | 1 | 0 | 20.06 | 20.18 | 23.13 | 22.93 | 0.196 |
| | | | | | | 75 | 0 | 75 | 0 | 20.17 | 20.18 | 23.18 | 22.98 | 0.199 |
| 15MHz+ 15MHz | 18675 | 1857.5 | 18825 | 1872.5 | 16QAM | 1 | 74 | 1 | 0 | 19.94 | 19.10 | 22.55 | 22.35 | 0.172 |
| | | | | | | 75 | 0 | 75 | 0 | 18.99 | 18.86 | 21.93 | 21.73 | 0.149 |
| | 18825 | 1872.5 | 18975 | 1887.5 | 16QAM | 1 | 74 | 1 | 0 | 20.92 | 21.05 | 24.00 | 23.80 | 0.240 |
| | | | | | | 75 | 0 | 75 | 0 | 18.94 | 18.91 | 21.94 | 21.74 | 0.149 |
| | 18975 | 1887.5 | 19125 | 1902.5 | 16QAM | 1 | 74 | 1 | 0 | 16.84 | 16.48 | 19.67 | 19.47 | 0.089 |
| | | | | | | 75 | 0 | 75 | 0 | 18.96 | 19.01 | 22.00 | 21.80 | 0.151 |
| 15MHz+ 15MHz | 18675 | 1857.5 | 18825 | 1872.5 | 64QAM | 1 | 74 | 1 | 0 | 17.19 | 17.12 | 20.17 | 19.97 | 0.099 |
| | | | | | | 75 | 0 | 75 | 0 | 17.50 | 18.51 | 21.05 | 20.85 | 0.122 |
| | 18825 | 1872.5 | 18975 | 1887.5 | 64QAM | 1 | 74 | 1 | 0 | 18.32 | 18.12 | 21.23 | 21.03 | 0.127 |
| | | | | | | 75 | 0 | 75 | 0 | 18.03 | 18.03 | 21.04 | 20.84 | 0.121 |
| | 18975 | 1887.5 | 19125 | 1902.5 | 64QAM | 1 | 74 | 1 | 0 | 16.49 | 16.92 | 19.72 | 19.52 | 0.090 |
| | | | | | | 75 | 0 | 75 | 0 | 17.41 | 18.48 | 20.99 | 20.79 | 0.120 |
| 15MHz+ 15MHz | 18675 | 1857.5 | 18825 | 1872.5 | 256QAM | 1 | 74 | 1 | 0 | 15.86 | 16.74 | 19.33 | 19.13 | 0.082 |
| | | | | | | 75 | 0 | 75 | 0 | 17.11 | 17.00 | 20.06 | 19.86 | 0.097 |
| | 18825 | 1872.5 | 18975 | 1887.5 | 256QAM | 1 | 74 | 1 | 0 | 17.04 | 17.48 | 20.28 | 20.08 | 0.102 |
| | | | | | | 75 | 0 | 75 | 0 | 17.07 | 17.05 | 20.07 | 19.87 | 0.097 |
| | 18975 | 1887.5 | 19125 | 1902.5 | 256QAM | 1 | 74 | 1 | 0 | 15.83 | 15.68 | 18.77 | 18.57 | 0.072 |
| | | | | | | 75 | 0 | 75 | 0 | 17.08 | 17.10 | 20.10 | 19.90 | 0.098 |

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| | |
|--------------------------|------|
| Part 24 _ EIRP Limit (W) | 2 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 2C (20MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+10MHz | 18700 | 1860.0 | 18844 | 1874.4 | QPSK | 1 | 99 | 1 | 0 | 22.54 | 20.65 | 23.68 | 23.48 | 0.223 |
| | | | | | | 100 | 0 | 50 | 0 | 20.16 | 20.00 | 23.06 | 22.86 | 0.193 |
| | 18851 | 1875.1 | 18995 | 1889.5 | QPSK | 1 | 99 | 1 | 0 | 23.40 | 21.40 | 24.42 | 24.22 | 0.264 |
| | | | | | | 100 | 0 | 50 | 0 | 20.01 | 19.89 | 22.94 | 22.74 | 0.188 |
| | 19001 | 1890.1 | 19145 | 1904.5 | QPSK | 1 | 99 | 1 | 0 | 22.19 | 20.46 | 23.48 | 23.28 | 0.213 |
| | | | | | | 100 | 0 | 50 | 0 | 20.23 | 20.20 | 23.20 | 23.00 | 0.200 |
| 20MHz+10MHz | 18700 | 1860.0 | 18844 | 1874.4 | 16QAM | 1 | 99 | 1 | 0 | 22.07 | 20.30 | 23.15 | 22.95 | 0.197 |
| | | | | | | 100 | 0 | 50 | 0 | 19.11 | 19.18 | 22.13 | 21.93 | 0.156 |
| | 18851 | 1875.1 | 18995 | 1889.5 | 16QAM | 1 | 99 | 1 | 0 | 21.84 | 19.56 | 22.77 | 22.57 | 0.181 |
| | | | | | | 100 | 0 | 50 | 0 | 19.46 | 18.38 | 21.94 | 21.74 | 0.149 |
| | 19001 | 1890.1 | 19145 | 1904.5 | 16QAM | 1 | 99 | 1 | 0 | 21.93 | 19.94 | 22.92 | 22.72 | 0.187 |
| | | | | | | 100 | 0 | 50 | 0 | 19.11 | 19.17 | 22.13 | 21.93 | 0.156 |
| 20MHz+10MHz | 18700 | 1860.0 | 18844 | 1874.4 | 64QAM | 1 | 99 | 1 | 0 | 19.52 | 17.88 | 20.67 | 20.47 | 0.111 |
| | | | | | | 100 | 0 | 50 | 0 | 18.17 | 18.09 | 21.12 | 20.92 | 0.124 |
| | 18851 | 1875.1 | 18995 | 1889.5 | 64QAM | 1 | 99 | 1 | 0 | 19.20 | 17.16 | 20.15 | 19.95 | 0.099 |
| | | | | | | 100 | 0 | 50 | 0 | 18.00 | 17.88 | 20.93 | 20.73 | 0.118 |
| | 19001 | 1890.1 | 19145 | 1904.5 | 64QAM | 1 | 99 | 1 | 0 | 19.52 | 17.58 | 20.53 | 20.33 | 0.108 |
| | | | | | | 100 | 0 | 50 | 0 | 18.22 | 18.12 | 21.16 | 20.96 | 0.125 |
| 20MHz+10MHz | 18700 | 1860.0 | 18844 | 1874.4 | 256QAM | 1 | 99 | 1 | 0 | 19.11 | 16.72 | 19.89 | 19.69 | 0.093 |
| | | | | | | 100 | 0 | 50 | 0 | 17.32 | 17.22 | 20.25 | 20.05 | 0.101 |
| | 18851 | 1875.1 | 18995 | 1889.5 | 256QAM | 1 | 99 | 1 | 0 | 18.13 | 16.31 | 19.16 | 18.96 | 0.079 |
| | | | | | | 100 | 0 | 50 | 0 | 17.00 | 16.98 | 19.98 | 19.78 | 0.095 |
| | 19001 | 1890.1 | 19145 | 1904.5 | 256QAM | 1 | 99 | 1 | 0 | 18.81 | 16.63 | 19.80 | 19.60 | 0.091 |
| | | | | | | 100 | 0 | 50 | 0 | 17.16 | 17.24 | 20.19 | 19.99 | 0.100 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 24 _ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 2C (15MHz + 20MHz) | | | | | | | | | |
|--------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 15MHz+ 20MHz | 18678 | 1857.8 | 18849 | 1874.9 | QPSK | 1 | 74 | 1 | 0 | 20.26 | 20.23 | 23.26 | 23.06 | 0.202 |
| | | | | | | 75 | 0 | 100 | 0 | 19.93 | 19.97 | 22.96 | 22.76 | 0.189 |
| | 18803 | 1870.3 | 18974 | 1887.4 | QPSK | 1 | 74 | 1 | 0 | 21.97 | 22.06 | 25.02 | 24.82 | 0.303 |
| | | | | | | 75 | 0 | 100 | 0 | 19.79 | 19.79 | 22.80 | 22.60 | 0.182 |
| | 18929 | 1882.9 | 19100 | 1900.0 | QPSK | 1 | 74 | 1 | 0 | 21.05 | 19.99 | 23.57 | 23.37 | 0.217 |
| | | | | | | 75 | 0 | 100 | 0 | 19.98 | 20.08 | 23.04 | 22.84 | 0.192 |
| 15MHz+ 20MHz | 18678 | 1857.8 | 18849 | 1874.9 | 16QAM | 1 | 74 | 1 | 0 | 21.15 | 19.89 | 23.57 | 23.37 | 0.217 |
| | | | | | | 75 | 0 | 100 | 0 | 19.11 | 19.10 | 22.11 | 21.91 | 0.155 |
| | 18803 | 1870.3 | 18974 | 1887.4 | 16QAM | 1 | 74 | 1 | 0 | 20.92 | 21.72 | 24.35 | 24.15 | 0.260 |
| | | | | | | 75 | 0 | 100 | 0 | 18.79 | 18.80 | 21.81 | 21.61 | 0.145 |
| | 18929 | 1882.9 | 19100 | 1900.0 | 16QAM | 1 | 74 | 1 | 0 | 20.26 | 21.16 | 23.74 | 23.54 | 0.226 |
| | | | | | | 75 | 0 | 100 | 0 | 18.97 | 19.12 | 22.06 | 21.86 | 0.153 |
| 15MHz+ 20MHz | 18678 | 1857.8 | 18849 | 1874.9 | 64QAM | 1 | 74 | 1 | 0 | 18.73 | 18.07 | 21.42 | 21.22 | 0.132 |
| | | | | | | 75 | 0 | 100 | 0 | 17.74 | 18.63 | 21.22 | 21.02 | 0.126 |
| | 18803 | 1870.3 | 18974 | 1887.4 | 64QAM | 1 | 74 | 1 | 0 | 19.05 | 19.35 | 22.21 | 22.01 | 0.159 |
| | | | | | | 75 | 0 | 100 | 0 | 18.25 | 17.33 | 20.83 | 20.63 | 0.116 |
| | 18929 | 1882.9 | 19100 | 1900.0 | 64QAM | 1 | 74 | 1 | 0 | 18.75 | 18.63 | 21.70 | 21.50 | 0.141 |
| | | | | | | 75 | 0 | 100 | 0 | 17.67 | 18.61 | 21.18 | 20.98 | 0.125 |
| 15MHz+ 20MHz | 18678 | 1857.8 | 18849 | 1874.9 | 256QAM | 1 | 74 | 1 | 0 | 17.19 | 17.73 | 20.48 | 20.28 | 0.107 |
| | | | | | | 75 | 0 | 100 | 0 | 17.13 | 17.12 | 20.14 | 19.94 | 0.099 |
| | 18803 | 1870.3 | 18974 | 1887.4 | 256QAM | 1 | 74 | 1 | 0 | 18.33 | 15.92 | 20.30 | 20.10 | 0.102 |
| | | | | | | 75 | 0 | 100 | 0 | 16.81 | 16.85 | 19.84 | 19.64 | 0.092 |
| | 18929 | 1882.9 | 19100 | 1900.0 | 256QAM | 1 | 74 | 1 | 0 | 17.33 | 17.60 | 20.47 | 20.27 | 0.106 |
| | | | | | | 75 | 0 | 100 | 0 | 17.15 | 17.29 | 20.23 | 20.03 | 0.101 |

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|--------------------------|--------|--------|--------|--|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| Antenna Gain | | -0.2 | | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+15MHz | 18700 | 1860.0 | 18871 | 1877.1 | QPSK | 1 | 99 | 1 | 0 | 20.87 | 20.93 | 23.91 | 23.71 | 0.235 |
| | | | | | | 100 | 0 | 75 | 0 | 20.75 | 19.67 | 23.25 | 23.05 | 0.202 |
| | 18826 | 1872.6 | 18997 | 1889.7 | QPSK | 1 | 99 | 1 | 0 | 21.41 | 22.50 | 25.00 | 24.80 | 0.302 |
| | | | | | | 100 | 0 | 75 | 0 | 19.91 | 19.87 | 22.90 | 22.70 | 0.186 |
| | 18951 | 1885.1 | 19122 | 1902.2 | QPSK | 1 | 99 | 1 | 0 | 20.14 | 20.14 | 23.15 | 22.95 | 0.197 |
| | | | | | | 100 | 0 | 75 | 0 | 20.06 | 20.19 | 23.13 | 22.93 | 0.196 |
| 20MHz+15MHz | 18700 | 1860.0 | 18871 | 1877.1 | 16QAM | 1 | 99 | 1 | 0 | 20.28 | 19.86 | 23.08 | 22.88 | 0.194 |
| | | | | | | 100 | 0 | 75 | 0 | 19.13 | 19.17 | 22.16 | 21.96 | 0.157 |
| | 18826 | 1872.6 | 18997 | 1889.7 | 16QAM | 1 | 99 | 1 | 0 | 21.58 | 20.39 | 24.03 | 23.83 | 0.242 |
| | | | | | | 100 | 0 | 75 | 0 | 18.75 | 18.83 | 21.80 | 21.60 | 0.145 |
| | 18951 | 1885.1 | 19122 | 1902.2 | 16QAM | 1 | 99 | 1 | 0 | 19.48 | 19.30 | 22.40 | 22.20 | 0.166 |
| | | | | | | 100 | 0 | 75 | 0 | 19.03 | 19.19 | 22.12 | 21.92 | 0.156 |
| 20MHz+15MHz | 18700 | 1860.0 | 18871 | 1877.1 | 64QAM | 1 | 99 | 1 | 0 | 17.05 | 18.27 | 20.71 | 20.51 | 0.112 |
| | | | | | | 100 | 0 | 75 | 0 | 18.17 | 18.19 | 21.19 | 20.99 | 0.126 |
| | 18826 | 1872.6 | 18997 | 1889.7 | 64QAM | 1 | 99 | 1 | 0 | 18.45 | 18.32 | 21.40 | 21.20 | 0.132 |
| | | | | | | 100 | 0 | 75 | 0 | 18.37 | 17.40 | 20.92 | 20.72 | 0.118 |
| | 18951 | 1885.1 | 19122 | 1902.2 | 64QAM | 1 | 99 | 1 | 0 | 16.82 | 16.83 | 19.83 | 19.63 | 0.092 |
| | | | | | | 100 | 0 | 75 | 0 | 17.54 | 18.63 | 21.13 | 20.93 | 0.124 |
| 20MHz+15MHz | 18700 | 1860.0 | 18871 | 1877.1 | 256QAM | 1 | 99 | 1 | 0 | 16.65 | 16.90 | 19.79 | 19.59 | 0.091 |
| | | | | | | 100 | 0 | 75 | 0 | 17.19 | 17.22 | 20.21 | 20.01 | 0.100 |
| | 18826 | 1872.6 | 18997 | 1889.7 | 256QAM | 1 | 99 | 1 | 0 | 17.38 | 17.19 | 20.30 | 20.10 | 0.102 |
| | | | | | | 100 | 0 | 75 | 0 | 16.93 | 16.92 | 19.94 | 19.74 | 0.094 |
| | 18951 | 1885.1 | 19122 | 1902.2 | 256QAM | 1 | 99 | 1 | 0 | 16.35 | 15.68 | 19.04 | 18.84 | 0.077 |
| | | | | | | 100 | 0 | 75 | 0 | 17.02 | 17.17 | 20.11 | 19.91 | 0.098 |

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| | |
|--------------------------|------|
| Part 24 _ EIRP Limit (W) | 2 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 2C (20MHz + 20MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 20MHz+20MHz | 18700 | 1860.0 | 18898 | 1879.8 | QPSK | 1 | 99 | 1 | 0 | 21.34 | 20.34 | 23.88 | 23.68 | 0.233 |
| | | | | | | 100 | 0 | 100 | 0 | 20.04 | 20.00 | 23.03 | 22.83 | 0.192 |
| | 18801 | 1870.1 | 18999 | 1889.9 | QPSK | 1 | 99 | 1 | 0 | 21.11 | 22.11 | 24.65 | 24.45 | 0.279 |
| | | | | | | 100 | 0 | 100 | 0 | 19.80 | 19.82 | 22.82 | 22.62 | 0.183 |
| | 18902 | 1880.2 | 19100 | 1900.0 | QPSK | 1 | 99 | 1 | 0 | 21.15 | 20.09 | 23.66 | 23.46 | 0.222 |
| | | | | | | 100 | 0 | 100 | 0 | 20.04 | 20.16 | 23.11 | 22.91 | 0.195 |
| 20MHz+20MHz | 18700 | 1860.0 | 18898 | 1879.8 | 16QAM | 1 | 99 | 1 | 0 | 19.72 | 20.47 | 23.12 | 22.92 | 0.196 |
| | | | | | | 100 | 0 | 100 | 0 | 19.15 | 19.09 | 22.13 | 21.93 | 0.156 |
| | 18801 | 1870.1 | 18999 | 1889.9 | 16QAM | 1 | 99 | 1 | 0 | 21.30 | 20.84 | 24.09 | 23.89 | 0.245 |
| | | | | | | 100 | 0 | 100 | 0 | 18.78 | 18.91 | 21.85 | 21.65 | 0.146 |
| | 18902 | 1880.2 | 19100 | 1900.0 | 16QAM | 1 | 99 | 1 | 0 | 20.20 | 19.95 | 23.09 | 22.89 | 0.195 |
| | | | | | | 100 | 0 | 100 | 0 | 19.10 | 19.30 | 22.21 | 22.01 | 0.159 |
| 20MHz+20MHz | 18700 | 1860.0 | 18898 | 1879.8 | 64QAM | 1 | 99 | 1 | 0 | 17.81 | 18.08 | 20.96 | 20.76 | 0.119 |
| | | | | | | 100 | 0 | 100 | 0 | 18.23 | 18.19 | 21.22 | 21.02 | 0.126 |
| | 18801 | 1870.1 | 18999 | 1889.9 | 64QAM | 1 | 99 | 1 | 0 | 18.01 | 18.33 | 21.19 | 20.99 | 0.126 |
| | | | | | | 100 | 0 | 100 | 0 | 17.32 | 18.45 | 20.93 | 20.73 | 0.118 |
| | 18902 | 1880.2 | 19100 | 1900.0 | 64QAM | 1 | 99 | 1 | 0 | 17.90 | 17.69 | 20.80 | 20.60 | 0.115 |
| | | | | | | 100 | 0 | 100 | 0 | 18.17 | 18.30 | 21.25 | 21.05 | 0.127 |
| 20MHz+20MHz | 18700 | 1860.0 | 18898 | 1879.8 | 256QAM | 1 | 99 | 1 | 0 | 16.97 | 17.00 | 20.00 | 19.80 | 0.095 |
| | | | | | | 100 | 0 | 100 | 0 | 17.19 | 17.20 | 20.21 | 20.01 | 0.100 |
| | 18801 | 1870.1 | 18999 | 1889.9 | 256QAM | 1 | 99 | 1 | 0 | 17.12 | 17.09 | 20.12 | 19.92 | 0.098 |
| | | | | | | 100 | 0 | 100 | 0 | 17.07 | 16.99 | 20.04 | 19.84 | 0.096 |
| | 18902 | 1880.2 | 19100 | 1900.0 | 256QAM | 1 | 99 | 1 | 0 | 17.14 | 16.95 | 20.06 | 19.86 | 0.097 |
| | | | | | | 100 | 0 | 100 | 0 | 17.67 | 16.75 | 20.24 | 20.04 | 0.101 |

| | |
|----------------------------------|------|
| Part 22 / RSS 132_ ERP Limit (W) | 7 |
| Antenna Gain | -2.4 |

OUTPUT POWER FOR LTE BAND 5B (5MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | ERP Average | ERP Average |
|------------|--------|-------|--------|-------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|-------------|-------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (dBm) | (W) |
| 5MHz+10MHz | 20428 | 826.8 | 20500 | 834.0 | QPSK | 1 | 24 | 1 | 0 | 21.93 | 23.24 | 24.93 | 22.53 | 20.38 | 0.109 |
| | | | | | | 25 | 0 | 50 | 0 | 20.23 | 20.19 | 23.19 | 20.79 | 18.64 | 0.073 |
| | 20478 | 831.8 | 20550 | 839.0 | QPSK | 1 | 24 | 1 | 0 | 21.96 | 22.93 | 24.94 | 22.54 | 20.39 | 0.109 |
| | | | | | | 25 | 0 | 50 | 0 | 20.20 | 20.12 | 23.14 | 20.74 | 18.59 | 0.072 |
| | 20528 | 836.8 | 20600 | 844.0 | QPSK | 1 | 24 | 1 | 0 | 21.35 | 23.31 | 24.95 | 22.55 | 20.40 | 0.110 |
| | | | | | | 25 | 0 | 50 | 0 | 20.23 | 20.19 | 23.20 | 20.80 | 18.65 | 0.073 |
| 5MHz+10MHz | 20428 | 826.8 | 20500 | 834.0 | 16QAM | 1 | 24 | 1 | 0 | 21.55 | 22.97 | 24.73 | 22.33 | 20.18 | 0.104 |
| | | | | | | 25 | 0 | 50 | 0 | 19.22 | 19.16 | 22.16 | 19.76 | 17.61 | 0.058 |
| | 20478 | 831.8 | 20550 | 839.0 | 16QAM | 1 | 24 | 1 | 0 | 20.94 | 22.53 | 24.31 | 21.91 | 19.76 | 0.095 |
| | | | | | | 25 | 0 | 50 | 0 | 19.28 | 19.24 | 22.25 | 19.85 | 17.70 | 0.059 |
| | 20528 | 836.8 | 20600 | 844.0 | 16QAM | 1 | 24 | 1 | 0 | 21.59 | 22.19 | 24.34 | 21.94 | 19.79 | 0.095 |
| | | | | | | 25 | 0 | 50 | 0 | 19.27 | 19.24 | 22.23 | 19.83 | 17.68 | 0.059 |
| 5MHz+10MHz | 20428 | 826.8 | 20500 | 834.0 | 64QAM | 1 | 24 | 1 | 0 | 19.41 | 19.95 | 22.16 | 19.76 | 17.61 | 0.058 |
| | | | | | | 25 | 0 | 50 | 0 | 18.97 | 18.87 | 21.90 | 19.50 | 17.35 | 0.054 |
| | 20478 | 831.8 | 20550 | 839.0 | 64QAM | 1 | 24 | 1 | 0 | 18.95 | 20.08 | 21.88 | 19.48 | 17.33 | 0.054 |
| | | | | | | 25 | 0 | 50 | 0 | 19.08 | 18.97 | 22.01 | 19.61 | 17.46 | 0.056 |
| | 20528 | 836.8 | 20600 | 844.0 | 64QAM | 1 | 24 | 1 | 0 | 19.56 | 20.26 | 2.23 | -0.17 | -2.32 | 0.001 |
| | | | | | | 25 | 0 | 50 | 0 | 18.92 | 18.97 | 21.93 | 19.53 | 17.38 | 0.055 |
| 5MHz+10MHz | 20428 | 826.8 | 20500 | 834.0 | 256QAM | 1 | 24 | 1 | 0 | 17.38 | 18.22 | 20.27 | 17.87 | 15.72 | 0.037 |
| | | | | | | 25 | 0 | 50 | 0 | 17.30 | 17.28 | 20.27 | 17.87 | 15.72 | 0.037 |
| | 20478 | 831.8 | 20550 | 839.0 | 256QAM | 1 | 24 | 1 | 0 | 17.48 | 18.19 | 20.19 | 17.79 | 15.64 | 0.037 |
| | | | | | | 25 | 0 | 50 | 0 | 17.30 | 17.15 | 20.21 | 17.81 | 15.66 | 0.037 |
| | 20528 | 836.8 | 20600 | 844.0 | 256QAM | 1 | 24 | 1 | 0 | 17.28 | 18.60 | 20.34 | 17.94 | 15.79 | 0.038 |
| | | | | | | 25 | 0 | 50 | 0 | 17.26 | 17.21 | 20.23 | 17.83 | 15.68 | 0.037 |

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| | |
|----------------------------------|------|
| Part 22 / RSS 132_ ERP Limit (W) | 7 |
| Antenna Gain | -2.4 |

OUTPUT POWER FOR LTE BAND 5B (10MHz + 5MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | ERP Average (dBm) | ERP Average (W) |
|-------------|--------|-------|--------|-------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|-------------------|-----------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | | |
| 10MHz+ 5MHz | 20450 | 829.0 | 20522 | 836.2 | QPSK | 1 | 49 | 1 | 0 | 22.98 | 21.90 | 24.91 | 22.51 | 20.36 | 0.109 |
| | | | | | | 50 | 0 | 25 | 0 | 20.28 | 20.17 | 23.21 | 20.81 | 18.66 | 0.073 |
| | 20500 | 834.0 | 20572 | 841.2 | QPSK | 1 | 49 | 1 | 0 | 22.73 | 22.45 | 24.95 | 22.55 | 20.40 | 0.110 |
| | | | | | | 50 | 0 | 25 | 0 | 20.19 | 20.12 | 23.14 | 20.74 | 18.59 | 0.072 |
| | 20550 | 839.0 | 20622 | 846.2 | QPSK | 1 | 49 | 1 | 0 | 23.09 | 21.17 | 24.73 | 22.33 | 20.18 | 0.104 |
| | | | | | | 50 | 0 | 25 | 0 | 20.28 | 20.16 | 23.21 | 20.81 | 18.66 | 0.073 |
| 10MHz+ 5MHz | 20450 | 829.0 | 20522 | 836.2 | 16QAM | 1 | 49 | 1 | 0 | 22.69 | 21.33 | 24.40 | 22.00 | 19.85 | 0.097 |
| | | | | | | 50 | 0 | 25 | 0 | 19.29 | 19.20 | 22.23 | 19.83 | 17.68 | 0.059 |
| | 20500 | 834.0 | 20572 | 841.2 | 16QAM | 1 | 49 | 1 | 0 | 22.06 | 21.35 | 24.13 | 21.73 | 19.58 | 0.091 |
| | | | | | | 50 | 0 | 25 | 0 | 19.36 | 19.14 | 22.24 | 19.84 | 17.69 | 0.059 |
| | 20550 | 839.0 | 20622 | 846.2 | 16QAM | 1 | 49 | 1 | 0 | 21.90 | 21.35 | 24.14 | 21.74 | 19.59 | 0.091 |
| | | | | | | 50 | 0 | 25 | 0 | 19.22 | 19.10 | 22.14 | 19.74 | 17.59 | 0.057 |
| 10MHz+ 5MHz | 20450 | 829.0 | 20522 | 836.2 | 64QAM | 1 | 49 | 1 | 0 | 20.17 | 18.72 | 21.92 | 19.52 | 17.37 | 0.055 |
| | | | | | | 50 | 0 | 25 | 0 | 18.92 | 18.85 | 21.88 | 19.48 | 17.33 | 0.054 |
| | 20500 | 834.0 | 20572 | 841.2 | 64QAM | 1 | 49 | 1 | 0 | 20.05 | 18.94 | 21.98 | 19.58 | 17.43 | 0.055 |
| | | | | | | 50 | 0 | 25 | 0 | 19.02 | 18.99 | 21.99 | 19.59 | 17.44 | 0.055 |
| | 20550 | 839.0 | 20622 | 846.2 | 64QAM | 1 | 49 | 1 | 0 | 19.56 | 18.27 | 21.29 | 18.89 | 16.74 | 0.047 |
| | | | | | | 50 | 0 | 25 | 0 | 20.01 | 17.83 | 22.04 | 19.64 | 17.49 | 0.056 |
| 10MHz+ 5MHz | 20450 | 829.0 | 20522 | 836.2 | 256QAM | 1 | 49 | 1 | 0 | 18.59 | 17.34 | 20.41 | 18.01 | 15.86 | 0.039 |
| | | | | | | 50 | 0 | 25 | 0 | 17.33 | 17.23 | 20.27 | 17.87 | 15.72 | 0.037 |
| | 20500 | 834.0 | 20572 | 841.2 | 256QAM | 1 | 49 | 1 | 0 | 18.00 | 17.25 | 20.20 | 17.80 | 15.65 | 0.037 |
| | | | | | | 50 | 0 | 25 | 0 | 17.25 | 17.07 | 20.14 | 17.74 | 15.59 | 0.036 |
| | 20550 | 839.0 | 20622 | 846.2 | 256QAM | 1 | 49 | 1 | 0 | 18.05 | 17.31 | 20.17 | 17.77 | 15.62 | 0.036 |
| | | | | | | 50 | 0 | 25 | 0 | 17.30 | 17.16 | 20.21 | 17.81 | 15.66 | 0.037 |

| | |
|----------------------------------|------|
| Part 22 / RSS 132_ ERP Limit (W) | 7 |
| Antenna Gain | -2.4 |

OUTPUT POWER FOR LTE BAND 5B (10MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | ERP Average (dBm) | ERP Average (W) |
|--------------|--------|-------|--------|-------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|-------------------|-----------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | | |
| 10MHz+ 10MHz | 20450 | 829.0 | 20549 | 838.9 | QPSK | 1 | 49 | 1 | 0 | 22.20 | 22.16 | 25.19 | 22.79 | 20.64 | 0.116 |
| | | | | | | 50 | 0 | 50 | 0 | 20.22 | 20.12 | 23.18 | 20.78 | 18.63 | 0.073 |
| | 20476 | 831.6 | 20575 | 841.5 | QPSK | 1 | 49 | 1 | 0 | 22.29 | 22.30 | 25.31 | 22.91 | 20.76 | 0.119 |
| | | | | | | 50 | 0 | 50 | 0 | 20.17 | 20.12 | 23.16 | 20.76 | 18.61 | 0.073 |
| | 20501 | 834.1 | 20600 | 844.0 | QPSK | 1 | 49 | 1 | 0 | 22.12 | 22.11 | 25.13 | 22.73 | 20.58 | 0.114 |
| | | | | | | 50 | 0 | 50 | 0 | 20.22 | 20.07 | 23.16 | 20.76 | 18.61 | 0.073 |
| 10MHz+ 10MHz | 20450 | 829.0 | 20549 | 838.9 | 16QAM | 1 | 49 | 1 | 0 | 21.42 | 20.88 | 24.17 | 21.77 | 19.62 | 0.092 |
| | | | | | | 50 | 0 | 50 | 0 | 19.02 | 18.91 | 21.98 | 19.58 | 17.43 | 0.055 |
| | 20476 | 831.6 | 20575 | 841.5 | 16QAM | 1 | 49 | 1 | 0 | 21.29 | 21.26 | 24.28 | 21.88 | 19.73 | 0.094 |
| | | | | | | 50 | 0 | 50 | 0 | 18.98 | 18.87 | 21.93 | 19.53 | 17.38 | 0.055 |
| | 20501 | 834.1 | 20600 | 844.0 | 16QAM | 1 | 49 | 1 | 0 | 21.24 | 20.85 | 24.06 | 21.66 | 19.51 | 0.089 |
| | | | | | | 50 | 0 | 50 | 0 | 18.96 | 18.86 | 21.92 | 19.52 | 17.37 | 0.055 |
| 10MHz+ 10MHz | 20450 | 829.0 | 20549 | 838.9 | 64QAM | 1 | 49 | 1 | 0 | 19.06 | 18.82 | 21.95 | 19.55 | 17.40 | 0.055 |
| | | | | | | 50 | 0 | 50 | 0 | 19.08 | 18.06 | 21.61 | 19.21 | 17.06 | 0.051 |
| | 20476 | 831.6 | 20575 | 841.5 | 64QAM | 1 | 49 | 1 | 0 | 18.45 | 19.01 | 21.75 | 19.35 | 17.20 | 0.052 |
| | | | | | | 50 | 0 | 50 | 0 | 18.57 | 18.49 | 21.54 | 19.14 | 16.99 | 0.050 |
| | 20501 | 834.1 | 20600 | 844.0 | 64QAM | 1 | 49 | 1 | 0 | 19.04 | 18.88 | 21.97 | 19.57 | 17.42 | 0.055 |
| | | | | | | 50 | 0 | 50 | 0 | 18.62 | 18.47 | 21.56 | 19.16 | 17.01 | 0.050 |
| 10MHz+ 10MHz | 20450 | 829.0 | 20549 | 838.9 | 256QAM | 1 | 49 | 1 | 0 | 17.97 | 17.05 | 20.55 | 18.15 | 16.00 | 0.040 |
| | | | | | | 50 | 0 | 50 | 0 | 17.01 | 16.89 | 19.96 | 17.56 | 15.41 | 0.035 |
| | 20476 | 831.6 | 20575 | 841.5 | 256QAM | 1 | 49 | 1 | 0 | 17.16 | 17.13 | 20.16 | 17.76 | 15.61 | 0.036 |
| | | | | | | 50 | 0 | 50 | 0 | 16.98 | 16.87 | 19.94 | 17.54 | 15.39 | 0.035 |
| | 20501 | 834.1 | 20600 | 844.0 | 256QAM | 1 | 49 | 1 | 0 | 17.28 | 16.87 | 20.09 | 17.69 | 15.54 | 0.036 |
| | | | | | | 50 | 0 | 50 | 0 | 16.99 | 16.88 | 19.95 | 17.55 | 15.40 | 0.035 |

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| Part 27 / RSS 199_ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 7C (10MHz + 20MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -1.1 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 10MHz+ 20MHz | 20805 | 2505.5 | 20949 | 2519.9 | QPSK | 1 | 49 | 1 | 0 | 20.57 | 23.09 | 24.01 | 22.91 | 0.195 |
| | | | | | | 50 | 0 | 100 | 0 | 19.99 | 19.99 | 22.97 | 21.87 | 0.154 |
| | 21006 | 2525.6 | 21150 | 2540.0 | QPSK | 1 | 49 | 1 | 0 | 21.78 | 23.87 | 24.81 | 23.71 | 0.235 |
| | | | | | | 50 | 0 | 100 | 0 | 20.08 | 19.95 | 23.00 | 21.90 | 0.155 |
| | 21206 | 2545.6 | 21350 | 2560.0 | QPSK | 1 | 49 | 1 | 0 | 21.25 | 23.37 | 24.26 | 23.16 | 0.207 |
| | | | | | | 50 | 0 | 100 | 0 | 19.85 | 19.67 | 22.75 | 21.65 | 0.146 |
| 10MHz+ 20MHz | 20805 | 2505.5 | 20949 | 2519.9 | 16QAM | 1 | 49 | 1 | 0 | 20.14 | 22.05 | 23.13 | 22.03 | 0.160 |
| | | | | | | 50 | 0 | 100 | 0 | 19.03 | 19.06 | 22.03 | 20.93 | 0.124 |
| | 21006 | 2525.6 | 21150 | 2540.0 | 16QAM | 1 | 49 | 1 | 0 | 21.76 | 23.01 | 24.31 | 23.21 | 0.209 |
| | | | | | | 50 | 0 | 100 | 0 | 19.17 | 19.04 | 22.09 | 20.99 | 0.126 |
| | 21206 | 2545.6 | 21350 | 2560.0 | 16QAM | 1 | 49 | 1 | 0 | 20.37 | 22.38 | 23.51 | 22.41 | 0.174 |
| | | | | | | 50 | 0 | 100 | 0 | 18.80 | 18.72 | 21.74 | 20.64 | 0.116 |
| 10MHz+ 20MHz | 20805 | 2505.5 | 20949 | 2519.9 | 64QAM | 1 | 49 | 1 | 0 | 17.83 | 19.63 | 20.71 | 19.61 | 0.091 |
| | | | | | | 50 | 0 | 100 | 0 | 18.09 | 18.02 | 21.04 | 19.94 | 0.099 |
| | 21006 | 2525.6 | 21150 | 2540.0 | 64QAM | 1 | 49 | 1 | 0 | 19.03 | 20.39 | 21.60 | 20.50 | 0.112 |
| | | | | | | 50 | 0 | 100 | 0 | 18.31 | 18.00 | 21.14 | 20.04 | 0.101 |
| | 21206 | 2545.6 | 21350 | 2560.0 | 64QAM | 1 | 49 | 1 | 0 | 17.85 | 19.71 | 20.90 | 19.80 | 0.095 |
| | | | | | | 50 | 0 | 100 | 0 | 17.44 | 18.25 | 20.85 | 19.75 | 0.094 |
| 10MHz+ 20MHz | 20805 | 2505.5 | 20949 | 2519.9 | 256QAM | 1 | 49 | 1 | 0 | 16.87 | 18.64 | 19.75 | 18.65 | 0.073 |
| | | | | | | 50 | 0 | 100 | 0 | 17.11 | 17.12 | 20.10 | 19.00 | 0.079 |
| | 21006 | 2525.6 | 21150 | 2540.0 | 256QAM | 1 | 49 | 1 | 0 | 17.29 | 19.08 | 20.28 | 19.18 | 0.083 |
| | | | | | | 50 | 0 | 100 | 0 | 17.11 | 17.03 | 20.05 | 18.95 | 0.079 |
| | 21206 | 2545.6 | 21350 | 2560.0 | 256QAM | 1 | 49 | 1 | 0 | 16.96 | 18.91 | 19.88 | 18.78 | 0.076 |
| | | | | | | 50 | 0 | 100 | 0 | 16.44 | 17.26 | 19.86 | 18.76 | 0.075 |

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| Part 27 / RSS 199_ EIRP Limit (W) | | | | 2 | | OUTPUT POWER FOR LTE BAND 7C (15MHz + 15MHz) | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|------------|--|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | | -1.1 | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 15MHz+ 15MHz | 20825 | 2507.5 | 20975 | 2522.5 | QPSK | 1 | 74 | 1 | 0 | 21.50 | 20.56 | 24.06 | 22.96 | 0.198 |
| | | | | | | 75 | 0 | 75 | 0 | 19.97 | 19.86 | 22.93 | 21.83 | 0.152 |
| | 21025 | 2527.5 | 21175 | 2542.5 | QPSK | 1 | 74 | 1 | 0 | 21.19 | 21.19 | 24.20 | 23.10 | 0.204 |
| | | | | | | 75 | 0 | 75 | 0 | 19.86 | 19.77 | 22.82 | 21.72 | 0.149 |
| | 21225 | 2547.5 | 21375 | 2562.5 | QPSK | 1 | 74 | 1 | 0 | 21.76 | 21.78 | 24.78 | 23.68 | 0.233 |
| | | | | | | 75 | 0 | 75 | 0 | 19.84 | 19.56 | 22.71 | 21.61 | 0.145 |
| 15MHz+ 15MHz | 20825 | 2507.5 | 20975 | 2522.5 | 16QAM | 1 | 74 | 1 | 0 | 20.11 | 20.55 | 23.35 | 22.25 | 0.168 |
| | | | | | | 75 | 0 | 75 | 0 | 18.86 | 18.82 | 21.85 | 20.75 | 0.119 |
| | 21025 | 2527.5 | 21175 | 2542.5 | 16QAM | 1 | 74 | 1 | 0 | 20.26 | 20.46 | 23.37 | 22.27 | 0.169 |
| | | | | | | 75 | 0 | 75 | 0 | 18.75 | 18.71 | 21.74 | 20.64 | 0.116 |
| | 21225 | 2547.5 | 21375 | 2562.5 | 16QAM | 1 | 74 | 1 | 0 | 21.24 | 20.64 | 23.96 | 22.86 | 0.193 |
| | | | | | | 75 | 0 | 75 | 0 | 18.80 | 18.54 | 21.68 | 20.58 | 0.114 |
| 15MHz+ 15MHz | 20825 | 2507.5 | 20975 | 2522.5 | 64QAM | 1 | 74 | 1 | 0 | 17.77 | 17.93 | 20.86 | 19.76 | 0.095 |
| | | | | | | 75 | 0 | 75 | 0 | 17.95 | 17.78 | 20.87 | 19.77 | 0.095 |
| | 21025 | 2527.5 | 21175 | 2542.5 | 64QAM | 1 | 74 | 1 | 0 | 17.59 | 17.95 | 20.79 | 19.69 | 0.093 |
| | | | | | | 75 | 0 | 75 | 0 | 17.25 | 18.10 | 20.71 | 19.61 | 0.091 |
| | 21225 | 2547.5 | 21375 | 2562.5 | 64QAM | 1 | 74 | 1 | 0 | 18.28 | 18.01 | 21.16 | 20.06 | 0.101 |
| | | | | | | 75 | 0 | 75 | 0 | 17.76 | 17.64 | 20.71 | 19.61 | 0.091 |
| 15MHz+ 15MHz | 20825 | 2507.5 | 20975 | 2522.5 | 256QAM | 1 | 74 | 1 | 0 | 16.74 | 16.34 | 19.55 | 18.45 | 0.070 |
| | | | | | | 75 | 0 | 75 | 0 | 16.86 | 16.82 | 19.85 | 18.75 | 0.075 |
| | 21025 | 2527.5 | 21175 | 2542.5 | 256QAM | 1 | 74 | 1 | 0 | 16.78 | 16.74 | 19.77 | 18.67 | 0.074 |
| | | | | | | 75 | 0 | 75 | 0 | 16.83 | 16.67 | 19.76 | 18.66 | 0.073 |
| | 21225 | 2547.5 | 21375 | 2562.5 | 256QAM | 1 | 74 | 1 | 0 | 16.96 | 17.13 | 20.06 | 18.96 | 0.079 |
| | | | | | | 75 | 0 | 75 | 0 | 16.84 | 16.60 | 19.74 | 18.64 | 0.073 |

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|-----------------------------------|------|
| Part 27 / RSS 199_ EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 7C (20MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+10MHz | 20850 | 2510.0 | 20994 | 2524.4 | QPSK | 1 | 99 | 1 | 0 | 23.35 | 22.34 | 24.84 | 23.74 | 0.237 |
| | | | | | | 100 | 0 | 50 | 0 | 20.14 | 20.03 | 23.07 | 21.97 | 0.157 |
| | 21051 | 2530.1 | 21195 | 2544.5 | QPSK | 1 | 99 | 1 | 0 | 2.92 | 20.88 | 23.90 | 22.80 | 0.191 |
| | | | | | | 100 | 0 | 50 | 0 | 19.88 | 19.64 | 22.75 | 21.65 | 0.146 |
| | 21251 | 2550.1 | 21395 | 2564.5 | QPSK | 1 | 99 | 1 | 0 | 24.28 | 21.01 | 25.04 | 23.94 | 0.248 |
| | | | | | | 100 | 0 | 50 | 0 | 20.01 | 19.79 | 22.89 | 21.79 | 0.151 |
| 20MHz+10MHz | 20850 | 2510.0 | 20994 | 2524.4 | 16QAM | 1 | 99 | 1 | 0 | 22.96 | 20.96 | 23.88 | 22.78 | 0.190 |
| | | | | | | 100 | 0 | 50 | 0 | 19.14 | 18.96 | 22.04 | 20.94 | 0.124 |
| | 21051 | 2530.1 | 21195 | 2544.5 | 16QAM | 1 | 99 | 1 | 0 | 22.33 | 19.59 | 23.25 | 22.15 | 0.164 |
| | | | | | | 100 | 0 | 50 | 0 | 18.77 | 18.52 | 21.63 | 20.53 | 0.113 |
| | 21251 | 2550.1 | 21395 | 2564.5 | 16QAM | 1 | 99 | 1 | 0 | 23.10 | 21.08 | 24.15 | 23.05 | 0.202 |
| | | | | | | 100 | 0 | 50 | 0 | 18.89 | 18.67 | 21.77 | 20.67 | 0.117 |
| 20MHz+10MHz | 20850 | 2510.0 | 20994 | 2524.4 | 64QAM | 1 | 99 | 1 | 0 | 20.10 | 18.40 | 21.25 | 20.15 | 0.104 |
| | | | | | | 100 | 0 | 50 | 0 | 18.14 | 17.90 | 21.01 | 19.91 | 0.098 |
| | 21051 | 2530.1 | 21195 | 2544.5 | 64QAM | 1 | 99 | 1 | 0 | 19.31 | 18.01 | 20.52 | 19.42 | 0.087 |
| | | | | | | 100 | 0 | 50 | 0 | 18.31 | 17.07 | 20.72 | 19.62 | 0.092 |
| | 21251 | 2550.1 | 21395 | 2564.5 | 64QAM | 1 | 99 | 1 | 0 | 20.74 | 18.63 | 21.74 | 20.64 | 0.116 |
| | | | | | | 100 | 0 | 50 | 0 | 17.41 | 18.06 | 20.73 | 19.63 | 0.092 |
| 20MHz+10MHz | 20850 | 2510.0 | 20994 | 2524.4 | 256QAM | 1 | 99 | 1 | 0 | 18.99 | 17.22 | 20.02 | 18.92 | 0.078 |
| | | | | | | 100 | 0 | 50 | 0 | 17.10 | 16.99 | 20.03 | 18.93 | 0.078 |
| | 21051 | 2530.1 | 21195 | 2544.5 | 256QAM | 1 | 99 | 1 | 0 | 18.64 | 16.05 | 19.51 | 18.41 | 0.069 |
| | | | | | | 100 | 0 | 50 | 0 | 16.28 | 16.99 | 19.63 | 18.53 | 0.071 |
| | 21251 | 2550.1 | 21395 | 2564.5 | 256QAM | 1 | 99 | 1 | 0 | 19.31 | 17.51 | 20.43 | 19.33 | 0.086 |
| | | | | | | 100 | 0 | 50 | 0 | 16.90 | 16.67 | 19.77 | 18.67 | 0.074 |

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|----------------------------------|------|
| Part 27 / RSS 199_EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 7C (15MHz + 20MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 15MHz+20MHz | 20828 | 2507.8 | 20999 | 2524.9 | QPSK | 1 | 74 | 1 | 0 | 20.45 | 21.59 | 24.07 | 22.97 | 0.198 |
| | | | | | | 75 | 0 | 100 | 0 | 19.94 | 19.75 | 22.86 | 21.76 | 0.150 |
| | 21003 | 2525.3 | 21174 | 2542.4 | QPSK | 1 | 74 | 1 | 0 | 21.52 | 21.53 | 24.53 | 23.43 | 0.220 |
| | | | | | | 75 | 0 | 100 | 0 | 19.94 | 19.77 | 22.86 | 21.76 | 0.150 |
| | 21179 | 2542.9 | 21350 | 2560.0 | QPSK | 1 | 74 | 1 | 0 | 20.74 | 21.83 | 24.30 | 23.20 | 0.209 |
| | | | | | | 75 | 0 | 100 | 0 | 19.86 | 19.59 | 22.73 | 21.63 | 0.146 |
| 15MHz+20MHz | 20828 | 2507.8 | 20999 | 2524.9 | 16QAM | 1 | 74 | 1 | 0 | 21.08 | 19.19 | 23.21 | 22.11 | 0.163 |
| | | | | | | 75 | 0 | 100 | 0 | 19.26 | 18.20 | 21.77 | 20.67 | 0.117 |
| | 21003 | 2525.3 | 21174 | 2542.4 | 16QAM | 1 | 74 | 1 | 0 | 20.96 | 20.57 | 23.78 | 22.68 | 0.185 |
| | | | | | | 75 | 0 | 100 | 0 | 18.82 | 18.60 | 21.72 | 20.62 | 0.115 |
| | 21179 | 2542.9 | 21350 | 2560.0 | 16QAM | 1 | 74 | 1 | 0 | 20.54 | 20.05 | 23.31 | 22.21 | 0.166 |
| | | | | | | 75 | 0 | 100 | 0 | 18.66 | 18.45 | 21.57 | 20.47 | 0.111 |
| 15MHz+20MHz | 20828 | 2507.8 | 20999 | 2524.9 | 64QAM | 1 | 74 | 1 | 0 | 17.96 | 17.71 | 20.85 | 19.75 | 0.094 |
| | | | | | | 75 | 0 | 100 | 0 | 17.76 | 17.68 | 20.73 | 19.63 | 0.092 |
| | 21003 | 2525.3 | 21174 | 2542.4 | 64QAM | 1 | 74 | 1 | 0 | 18.35 | 17.57 | 20.99 | 19.89 | 0.097 |
| | | | | | | 75 | 0 | 100 | 0 | 17.79 | 17.67 | 20.74 | 19.64 | 0.092 |
| | 21179 | 2542.9 | 21350 | 2560.0 | 64QAM | 1 | 74 | 1 | 0 | 17.79 | 17.76 | 20.79 | 19.69 | 0.093 |
| | | | | | | 75 | 0 | 100 | 0 | 17.70 | 17.44 | 20.58 | 19.48 | 0.089 |
| 15MHz+20MHz | 20828 | 2507.8 | 20999 | 2524.9 | 256QAM | 1 | 74 | 1 | 0 | 16.98 | 16.41 | 19.72 | 18.62 | 0.073 |
| | | | | | | 75 | 0 | 100 | 0 | 16.84 | 16.74 | 19.80 | 18.70 | 0.074 |
| | 21003 | 2525.3 | 21174 | 2542.4 | 256QAM | 1 | 74 | 1 | 0 | 16.60 | 17.04 | 19.83 | 18.73 | 0.075 |
| | | | | | | 75 | 0 | 100 | 0 | 16.81 | 16.72 | 19.77 | 18.67 | 0.074 |
| | 21179 | 2542.9 | 21350 | 2560.0 | 256QAM | 1 | 74 | 1 | 0 | 16.56 | 16.78 | 19.68 | 18.58 | 0.072 |
| | | | | | | 75 | 0 | 100 | 0 | 16.74 | 16.43 | 19.60 | 18.50 | 0.071 |

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| Part 27 / RSS 199_ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 7C (20MHz + 15MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -1.1 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 20MHz+ 15MHz | 20850 | 2510.0 | 21021 | 2527.1 | QPSK | 1 | 99 | 1 | 0 | 22.16 | 21.18 | 24.71 | 23.61 | 0.230 |
| | | | | | | 100 | 0 | 75 | 0 | 19.96 | 19.93 | 22.96 | 21.86 | 0.153 |
| | 21026 | 2527.6 | 21197 | 2544.7 | QPSK | 1 | 99 | 1 | 0 | 21.40 | 20.47 | 23.97 | 22.87 | 0.194 |
| | | | | | | 100 | 0 | 75 | 0 | 19.82 | 19.69 | 22.76 | 21.66 | 0.147 |
| | 21201 | 2545.1 | 21372 | 2562.2 | QPSK | 1 | 99 | 1 | 0 | 21.80 | 21.80 | 24.81 | 23.71 | 0.235 |
| | | | | | | 100 | 0 | 75 | 0 | 19.85 | 19.61 | 22.74 | 21.64 | 0.146 |
| 20MHz+ 15MHz | 20850 | 2510.0 | 21021 | 2527.1 | 16QAM | 1 | 99 | 1 | 0 | 21.63 | 20.37 | 24.06 | 22.96 | 0.198 |
| | | | | | | 100 | 0 | 75 | 0 | 19.21 | 19.15 | 22.19 | 21.09 | 0.129 |
| | 21026 | 2527.6 | 21197 | 2544.7 | 16QAM | 1 | 99 | 1 | 0 | 20.76 | 20.18 | 23.49 | 22.39 | 0.173 |
| | | | | | | 100 | 0 | 75 | 0 | 18.85 | 19.02 | 21.95 | 20.85 | 0.122 |
| | 21201 | 2545.1 | 21372 | 2562.2 | 16QAM | 1 | 99 | 1 | 0 | 21.06 | 21.18 | 24.13 | 23.03 | 0.201 |
| | | | | | | 100 | 0 | 75 | 0 | 18.91 | 18.79 | 21.86 | 20.76 | 0.119 |
| 20MHz+ 15MHz | 20850 | 2510.0 | 21021 | 2527.1 | 64QAM | 1 | 99 | 1 | 0 | 17.91 | 18.05 | 20.99 | 19.89 | 0.097 |
| | | | | | | 100 | 0 | 75 | 0 | 17.80 | 17.77 | 20.80 | 19.70 | 0.093 |
| | 21026 | 2527.6 | 21197 | 2544.7 | 64QAM | 1 | 99 | 1 | 0 | 17.72 | 17.81 | 20.77 | 19.67 | 0.093 |
| | | | | | | 100 | 0 | 75 | 0 | 18.23 | 17.05 | 20.69 | 19.59 | 0.091 |
| | 21201 | 2545.1 | 21372 | 2562.2 | 64QAM | 1 | 99 | 1 | 0 | 17.66 | 18.05 | 20.87 | 19.77 | 0.095 |
| | | | | | | 100 | 0 | 75 | 0 | 17.80 | 17.49 | 20.66 | 19.56 | 0.090 |
| 20MHz+ 15MHz | 20850 | 2510.0 | 21021 | 2527.1 | 256QAM | 1 | 99 | 1 | 0 | 17.09 | 16.73 | 19.93 | 18.83 | 0.076 |
| | | | | | | 100 | 0 | 75 | 0 | 16.94 | 16.81 | 19.89 | 18.79 | 0.076 |
| | 21026 | 2527.6 | 21197 | 2544.7 | 256QAM | 1 | 99 | 1 | 0 | 16.72 | 16.80 | 19.77 | 18.67 | 0.074 |
| | | | | | | 100 | 0 | 75 | 0 | 16.70 | 16.55 | 19.64 | 18.54 | 0.071 |
| | 21201 | 2545.1 | 21372 | 2562.2 | 256QAM | 1 | 99 | 1 | 0 | 16.86 | 16.87 | 19.87 | 18.77 | 0.075 |
| | | | | | | 100 | 0 | 75 | 0 | 16.79 | 16.55 | 19.68 | 18.58 | 0.072 |

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| Part 27 / RSS 199_ EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 7C (20MHz + 20MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| | | | | | | | | | | | | | | |
| 20MHz+20MHz | 20850 | 2510.0 | 21048 | 2529.8 | QPSK | 1 | 99 | 1 | 0 | 21.68 | 21.73 | 24.72 | 23.62 | 0.230 |
| | | | | | | 100 | 0 | 100 | 0 | 20.03 | 19.82 | 22.94 | 21.84 | 0.153 |
| | 21001 | 2525.1 | 21199 | 2544.9 | QPSK | 1 | 99 | 1 | 0 | 21.30 | 21.27 | 24.29 | 23.19 | 0.208 |
| | | | | | | 100 | 0 | 100 | 0 | 19.93 | 19.73 | 22.84 | 21.74 | 0.149 |
| | 21152 | 2540.2 | 21350 | 2560.0 | QPSK | 1 | 99 | 1 | 0 | 21.16 | 21.20 | 24.19 | 23.09 | 0.204 |
| | | | | | | 100 | 0 | 100 | 0 | 19.87 | 19.62 | 22.76 | 21.66 | 0.147 |
| 20MHz+20MHz | 20850 | 2510.0 | 21048 | 2529.8 | 16QAM | 1 | 99 | 1 | 0 | 21.58 | 20.60 | 24.13 | 23.03 | 0.201 |
| | | | | | | 100 | 0 | 100 | 0 | 18.94 | 18.84 | 21.90 | 20.80 | 0.120 |
| | 21001 | 2525.1 | 21199 | 2544.9 | 16QAM | 1 | 99 | 1 | 0 | 20.56 | 20.71 | 23.65 | 22.55 | 0.180 |
| | | | | | | 100 | 0 | 100 | 0 | 18.99 | 18.79 | 21.90 | 20.80 | 0.120 |
| | 21152 | 2540.2 | 21350 | 2560.0 | 16QAM | 1 | 99 | 1 | 0 | 20.66 | 20.77 | 23.72 | 22.62 | 0.183 |
| | | | | | | 100 | 0 | 100 | 0 | 19.00 | 18.66 | 21.85 | 20.75 | 0.119 |
| 20MHz+20MHz | 20850 | 2510.0 | 21048 | 2529.8 | 64QAM | 1 | 99 | 1 | 0 | 18.40 | 18.20 | 21.31 | 20.21 | 0.105 |
| | | | | | | 100 | 0 | 100 | 0 | 17.48 | 18.36 | 20.95 | 19.85 | 0.097 |
| | 21001 | 2525.1 | 21199 | 2544.9 | 64QAM | 1 | 99 | 1 | 0 | 17.82 | 18.14 | 21.00 | 19.90 | 0.098 |
| | | | | | | 100 | 0 | 100 | 0 | 18.03 | 17.79 | 20.92 | 19.82 | 0.096 |
| | 21152 | 2540.2 | 21350 | 2560.0 | 64QAM | 1 | 99 | 1 | 0 | 18.04 | 17.88 | 20.97 | 19.87 | 0.097 |
| | | | | | | 100 | 0 | 100 | 0 | 17.49 | 18.19 | 20.86 | 19.76 | 0.095 |
| 20MHz+20MHz | 20850 | 2510.0 | 21048 | 2529.8 | 256QAM | 1 | 99 | 1 | 0 | 17.48 | 17.30 | 20.40 | 19.30 | 0.085 |
| | | | | | | 100 | 0 | 100 | 0 | 16.96 | 16.91 | 19.95 | 18.85 | 0.077 |
| | 21001 | 2525.1 | 21199 | 2544.9 | 256QAM | 1 | 99 | 1 | 0 | 16.81 | 17.06 | 19.95 | 18.85 | 0.077 |
| | | | | | | 100 | 0 | 100 | 0 | 16.91 | 16.85 | 19.89 | 18.79 | 0.076 |
| | 21152 | 2540.2 | 21350 | 2560.0 | 256QAM | 1 | 99 | 1 | 0 | 16.94 | 17.37 | 20.17 | 19.07 | 0.081 |
| | | | | | | 100 | 0 | 100 | 0 | 16.98 | 16.78 | 19.89 | 18.79 | 0.076 |

| | |
|----------------------------------|------|
| Part 27 / RSS 130_ ERP Limit (W) | 3 |
| Antenna Gain | -1.6 |

OUTPUT POWER FOR LTE BAND 12B (5MHz + 5MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | ERP Average | ERP Average |
|------------|--------|-------|--------|-------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|-------------|-------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (dBm) | (W) |
| | | | | | | | | | | | | | | | |
| 5MHz+ 5MHz | 23035 | 701.5 | 23083 | 706.3 | QPSK | 1 | 24 | 1 | 0 | 21.83 | 20.79 | 24.34 | 21.94 | 19.79 | 0.095 |
| | | | | | | 25 | 0 | 50 | 0 | 19.92 | 19.98 | 22.96 | 20.56 | 18.41 | 0.069 |
| | 23071 | 705.1 | 23119 | 709.9 | QPSK | 1 | 24 | 1 | 0 | 21.26 | 21.35 | 24.31 | 21.91 | 19.76 | 0.095 |
| | | | | | | 25 | 0 | 50 | 0 | 20.00 | 20.01 | 23.01 | 20.61 | 18.46 | 0.070 |
| | 23107 | 708.7 | 23155 | 713.5 | QPSK | 1 | 24 | 1 | 0 | 21.31 | 21.28 | 24.29 | 21.89 | 19.74 | 0.094 |
| | | | | | | 25 | 0 | 50 | 0 | 19.93 | 19.98 | 22.97 | 20.57 | 18.42 | 0.070 |
| 5MHz+ 5MHz | 23035 | 701.5 | 23083 | 706.3 | 16QAM | 1 | 24 | 1 | 0 | 20.75 | 21.24 | 24.00 | 21.60 | 19.45 | 0.088 |
| | | | | | | 25 | 0 | 50 | 0 | 19.03 | 18.99 | 22.02 | 19.62 | 17.47 | 0.056 |
| | 23071 | 705.1 | 23119 | 709.9 | 16QAM | 1 | 24 | 1 | 0 | 20.66 | 20.70 | 23.68 | 21.28 | 19.13 | 0.082 |
| | | | | | | 25 | 0 | 50 | 0 | 18.97 | 19.04 | 22.01 | 19.61 | 17.46 | 0.056 |
| | 23107 | 708.7 | 23155 | 713.5 | 16QAM | 1 | 24 | 1 | 0 | 21.07 | 20.65 | 23.87 | 21.47 | 19.32 | 0.086 |
| | | | | | | 25 | 0 | 50 | 0 | 19.02 | 19.08 | 22.06 | 19.66 | 17.51 | 0.056 |
| 5MHz+ 5MHz | 23035 | 701.5 | 23083 | 706.3 | 64QAM | 1 | 24 | 1 | 0 | 18.85 | 19.02 | 21.93 | 19.53 | 17.38 | 0.055 |
| | | | | | | 25 | 0 | 50 | 0 | 18.79 | 18.81 | 21.81 | 19.41 | 17.26 | 0.053 |
| | 23071 | 705.1 | 23119 | 709.9 | 64QAM | 1 | 24 | 1 | 0 | 20.08 | 18.48 | 22.35 | 19.95 | 17.80 | 0.060 |
| | | | | | | 25 | 0 | 50 | 0 | 18.37 | 19.43 | 21.94 | 19.54 | 17.39 | 0.055 |
| | 23107 | 708.7 | 23155 | 713.5 | 64QAM | 1 | 24 | 1 | 0 | 18.98 | 19.24 | 22.11 | 19.71 | 17.56 | 0.057 |
| | | | | | | 25 | 0 | 50 | 0 | 18.84 | 18.84 | 21.85 | 19.45 | 17.30 | 0.054 |
| 5MHz+ 5MHz | 23035 | 701.5 | 23083 | 706.3 | 256QAM | 1 | 24 | 1 | 0 | 17.72 | 16.59 | 20.19 | 17.79 | 15.64 | 0.037 |
| | | | | | | 25 | 0 | 50 | 0 | 17.00 | 17.12 | 20.07 | 17.67 | 15.52 | 0.036 |
| | 23071 | 705.1 | 23119 | 709.9 | 256QAM | 1 | 24 | 1 | 0 | 17.07 | 17.29 | 20.18 | 17.78 | 15.63 | 0.037 |
| | | | | | | 25 | 0 | 50 | 0 | 16.88 | 17.11 | 20.01 | 17.61 | 15.46 | 0.035 |
| | 23107 | 708.7 | 23155 | 713.5 | 256QAM | 1 | 24 | 1 | 0 | 17.42 | 17.01 | 20.22 | 17.82 | 15.67 | 0.037 |
| | | | | | | 25 | 0 | 50 | 0 | 16.98 | 17.01 | 20.01 | 17.61 | 15.46 | 0.035 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| | |
|---------------------------------|------|
| Part 27 / RSS 130 ERP Limit (W) | 3 |
| Antenna Gain | -1.6 |

OUTPUT POWER FOR LTE BAND 12B (5MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | ERP Average | ERP Average |
|------------|--------|-------|--------|-------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|-------------|-------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (dBm) | (W) |
| 5MHz+10MHz | 23038 | 701.8 | 23110 | 709.0 | QPSK | 1 | 24 | 1 | 0 | 21.77 | 22.80 | 24.72 | 22.32 | 20.17 | 0.104 |
| | | | | | | 25 | 0 | 50 | 0 | 19.94 | 20.00 | 22.96 | 20.56 | 18.41 | 0.069 |
| | 23048 | 702.8 | 23120 | 710.0 | QPSK | 1 | 24 | 1 | 0 | 21.73 | 22.66 | 24.71 | 22.31 | 20.16 | 0.104 |
| | | | | | | 25 | 0 | 50 | 0 | 20.04 | 20.03 | 23.02 | 20.62 | 18.47 | 0.070 |
| | 23058 | 703.8 | 23130 | 711.0 | QPSK | 1 | 24 | 1 | 0 | 21.75 | 22.89 | 24.74 | 22.34 | 20.19 | 0.104 |
| | | | | | | 25 | 0 | 50 | 0 | 19.98 | 19.98 | 22.96 | 20.56 | 18.41 | 0.069 |
| 5MHz+10MHz | 23038 | 701.8 | 23110 | 709.0 | 16QAM | 1 | 24 | 1 | 0 | 22.60 | 21.17 | 24.14 | 21.74 | 19.59 | 0.091 |
| | | | | | | 25 | 0 | 50 | 0 | 18.90 | 18.94 | 21.91 | 19.51 | 17.36 | 0.054 |
| | 23048 | 702.8 | 23120 | 710.0 | 16QAM | 1 | 24 | 1 | 0 | 21.11 | 22.16 | 24.06 | 21.66 | 19.51 | 0.089 |
| | | | | | | 25 | 0 | 50 | 0 | 18.95 | 19.11 | 22.01 | 19.61 | 17.46 | 0.056 |
| | 23058 | 703.8 | 23130 | 711.0 | 16QAM | 1 | 24 | 1 | 0 | 20.57 | 22.14 | 23.91 | 21.51 | 19.36 | 0.086 |
| | | | | | | 25 | 0 | 50 | 0 | 19.01 | 18.95 | 21.97 | 19.57 | 17.42 | 0.055 |
| 5MHz+10MHz | 23038 | 701.8 | 23110 | 709.0 | 64QAM | 1 | 24 | 1 | 0 | 19.33 | 19.78 | 22.03 | 19.63 | 17.48 | 0.056 |
| | | | | | | 25 | 0 | 50 | 0 | 18.49 | 18.58 | 21.52 | 19.12 | 16.97 | 0.050 |
| | 23048 | 702.8 | 23120 | 710.0 | 64QAM | 1 | 24 | 1 | 0 | 18.91 | 20.00 | 21.96 | 19.56 | 17.41 | 0.055 |
| | | | | | | 25 | 0 | 50 | 0 | 18.63 | 18.73 | 21.67 | 19.27 | 17.12 | 0.052 |
| | 23058 | 703.8 | 23130 | 711.0 | 64QAM | 1 | 24 | 1 | 0 | 18.73 | 20.14 | 21.94 | 19.54 | 17.39 | 0.055 |
| | | | | | | 25 | 0 | 50 | 0 | 18.54 | 18.59 | 21.55 | 19.15 | 17.00 | 0.050 |
| 5MHz+10MHz | 23038 | 701.8 | 23110 | 709.0 | 256QAM | 1 | 24 | 1 | 0 | 17.36 | 18.63 | 20.47 | 18.07 | 15.92 | 0.039 |
| | | | | | | 25 | 0 | 50 | 0 | 17.03 | 17.03 | 20.02 | 17.62 | 15.47 | 0.035 |
| | 23048 | 702.8 | 23120 | 710.0 | 256QAM | 1 | 24 | 1 | 0 | 17.72 | 17.95 | 20.12 | 17.72 | 15.57 | 0.036 |
| | | | | | | 25 | 0 | 50 | 0 | 17.03 | 17.01 | 20.00 | 17.60 | 15.45 | 0.035 |
| | 23058 | 703.8 | 23130 | 711.0 | 256QAM | 1 | 24 | 1 | 0 | 17.13 | 18.30 | 20.27 | 17.87 | 15.72 | 0.037 |
| | | | | | | 25 | 0 | 50 | 0 | 17.10 | 17.06 | 20.07 | 17.67 | 15.52 | 0.036 |

| | |
|----------------------------------|------|
| Part 27 / RSS 199 EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 38C (15MHz + 15MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 15MHz+15MHz | 37825 | 2577.5 | 37975 | 2592.5 | QPSK | 1 | 74 | 1 | 0 | 21.19 | 22.15 | 24.71 | 23.61 | 0.230 |
| | | | | | | 75 | 0 | 75 | 0 | 20.29 | 20.08 | 23.25 | 22.15 | 0.164 |
| | 37925 | 2587.5 | 38075 | 2602.5 | QPSK | 1 | 74 | 1 | 0 | 22.18 | 21.07 | 24.67 | 23.57 | 0.228 |
| | | | | | | 75 | 0 | 75 | 0 | 20.36 | 20.05 | 23.22 | 22.12 | 0.163 |
| | 38025 | 2597.5 | 38175 | 2612.5 | QPSK | 1 | 74 | 1 | 0 | 21.58 | 21.56 | 24.58 | 23.48 | 0.223 |
| | | | | | | 75 | 0 | 75 | 0 | 20.30 | 20.00 | 23.16 | 22.06 | 0.161 |
| 15MHz+15MHz | 37825 | 2577.5 | 37975 | 2592.5 | 16QAM | 1 | 74 | 1 | 0 | 21.22 | 21.29 | 24.27 | 23.17 | 0.207 |
| | | | | | | 75 | 0 | 75 | 0 | 19.43 | 19.22 | 22.34 | 21.24 | 0.133 |
| | 37925 | 2587.5 | 38075 | 2602.5 | 16QAM | 1 | 74 | 1 | 0 | 20.93 | 21.08 | 24.02 | 22.92 | 0.196 |
| | | | | | | 75 | 0 | 75 | 0 | 19.48 | 19.15 | 22.33 | 21.23 | 0.133 |
| | 38025 | 2597.5 | 38175 | 2612.5 | 16QAM | 1 | 74 | 1 | 0 | 21.01 | 21.03 | 24.03 | 22.93 | 0.196 |
| | | | | | | 75 | 0 | 75 | 0 | 19.44 | 19.19 | 22.33 | 21.23 | 0.133 |
| 15MHz+15MHz | 37825 | 2577.5 | 37975 | 2592.5 | 64QAM | 1 | 74 | 1 | 0 | 18.61 | 18.11 | 21.38 | 20.28 | 0.107 |
| | | | | | | 75 | 0 | 75 | 0 | 18.84 | 18.49 | 21.68 | 20.58 | 0.114 |
| | 37925 | 2587.5 | 38075 | 2602.5 | 64QAM | 1 | 74 | 1 | 0 | 18.49 | 18.66 | 21.58 | 20.48 | 0.112 |
| | | | | | | 75 | 0 | 75 | 0 | 18.60 | 18.27 | 21.45 | 20.35 | 0.108 |
| | 38025 | 2597.5 | 38175 | 2612.5 | 64QAM | 1 | 74 | 1 | 0 | 18.67 | 18.54 | 21.62 | 20.52 | 0.113 |
| | | | | | | 75 | 0 | 75 | 0 | 18.73 | 18.39 | 21.57 | 20.47 | 0.111 |
| 15MHz+15MHz | 37825 | 2577.5 | 37975 | 2592.5 | 256QAM | 1 | 74 | 1 | 0 | 17.52 | 17.28 | 20.41 | 19.31 | 0.085 |
| | | | | | | 75 | 0 | 75 | 0 | 17.51 | 17.23 | 20.38 | 19.28 | 0.085 |
| | 37925 | 2587.5 | 38075 | 2602.5 | 256QAM | 1 | 74 | 1 | 0 | 17.28 | 17.13 | 20.22 | 19.12 | 0.082 |
| | | | | | | 75 | 0 | 75 | 0 | 17.41 | 17.14 | 20.28 | 19.18 | 0.083 |
| | 38025 | 2597.5 | 38175 | 2612.5 | 256QAM | 1 | 74 | 1 | 0 | 17.19 | 17.40 | 20.31 | 19.21 | 0.083 |
| | | | | | | 75 | 0 | 75 | 0 | 17.41 | 17.18 | 20.30 | 19.20 | 0.083 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 199_ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 38C (20MHz + 20MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -1.1 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 20MHz+20MHz | 37850 | 2580.0 | 38048 | 2599.8 | QPSK | 1 | 99 | 1 | 0 | 22.19 | 21.10 | 24.69 | 23.59 | 0.229 |
| | | | | | | 100 | 0 | 100 | 0 | 20.49 | 20.07 | 23.30 | 22.20 | 0.166 |
| | 37901 | 2585.1 | 38099 | 2604.9 | QPSK | 1 | 99 | 1 | 0 | 21.61 | 21.58 | 24.60 | 23.50 | 0.224 |
| | | | | | | 100 | 0 | 100 | 0 | 20.45 | 20.14 | 23.31 | 22.21 | 0.166 |
| | 37952 | 2590.2 | 38150 | 2610.0 | QPSK | 1 | 99 | 1 | 0 | 22.17 | 21.17 | 24.70 | 23.60 | 0.229 |
| | | | | | | 100 | 0 | 100 | 0 | 20.51 | 20.09 | 23.31 | 22.21 | 0.166 |
| 20MHz+20MHz | 37850 | 2580.0 | 38048 | 2599.8 | 16QAM | 1 | 99 | 1 | 0 | 20.90 | 21.15 | 24.03 | 22.93 | 0.196 |
| | | | | | | 100 | 0 | 100 | 0 | 19.45 | 19.15 | 22.31 | 21.21 | 0.132 |
| | 37901 | 2585.1 | 38099 | 2604.9 | 16QAM | 1 | 99 | 1 | 0 | 21.04 | 21.23 | 24.15 | 23.05 | 0.202 |
| | | | | | | 100 | 0 | 100 | 0 | 19.49 | 19.11 | 22.31 | 21.21 | 0.132 |
| | 37952 | 2590.2 | 38150 | 2610.0 | 16QAM | 1 | 99 | 1 | 0 | 21.12 | 21.52 | 24.33 | 23.23 | 0.210 |
| | | | | | | 100 | 0 | 100 | 0 | 19.54 | 19.15 | 22.36 | 21.26 | 0.134 |
| 20MHz+20MHz | 37850 | 2580.0 | 38048 | 2599.8 | 64QAM | 1 | 99 | 1 | 0 | 18.82 | 18.67 | 21.76 | 20.66 | 0.116 |
| | | | | | | 100 | 0 | 100 | 0 | 18.79 | 18.41 | 21.61 | 20.51 | 0.112 |
| | 37901 | 2585.1 | 38099 | 2604.9 | 64QAM | 1 | 99 | 1 | 0 | 18.26 | 18.66 | 21.47 | 20.37 | 0.109 |
| | | | | | | 100 | 0 | 100 | 0 | 18.78 | 18.42 | 21.62 | 20.52 | 0.113 |
| | 37952 | 2590.2 | 38150 | 2610.0 | 64QAM | 1 | 99 | 1 | 0 | 18.55 | 18.52 | 21.55 | 20.45 | 0.111 |
| | | | | | | 100 | 0 | 100 | 0 | 18.84 | 18.38 | 21.63 | 20.53 | 0.113 |
| 20MHz+20MHz | 37850 | 2580.0 | 38048 | 2599.8 | 256QAM | 1 | 99 | 1 | 0 | 17.19 | 17.22 | 20.22 | 19.12 | 0.082 |
| | | | | | | 100 | 0 | 100 | 0 | 17.56 | 17.19 | 20.39 | 19.29 | 0.085 |
| | 37901 | 2585.1 | 38099 | 2604.9 | 256QAM | 1 | 99 | 1 | 0 | 17.54 | 16.92 | 20.25 | 19.15 | 0.082 |
| | | | | | | 100 | 0 | 100 | 0 | 17.54 | 17.23 | 20.40 | 19.30 | 0.085 |
| | 37952 | 2590.2 | 38150 | 2610.0 | 256QAM | 1 | 99 | 1 | 0 | 17.54 | 16.92 | 20.25 | 19.15 | 0.082 |
| | | | | | | 100 | 0 | 100 | 0 | 17.46 | 17.12 | 20.30 | 19.20 | 0.083 |

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| Part 27 / RSS 199_ EIRP Limit (W) | | | | 2 | | OUTPUT POWER FOR LTE BAND 41C (5MHz + 20MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|------------|--|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|--|
| Antenna Gain | | | | -1.1 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average | |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) | |
| 5MHz+ 20MHz | 39683 | 2499.3 | 39800 | 2511.0 | QPSK | 1 | 24 | 1 | 0 | 23.38 | 25.90 | 25.91 | 24.81 | 0.303 | |
| | | | | | | 25 | 0 | 100 | 0 | 21.19 | 21.66 | 24.16 | 23.06 | 0.202 | |
| | 40528 | 2583.8 | 40645 | 2595.5 | QPSK | 1 | 24 | 1 | 0 | 22.74 | 25.72 | 25.73 | 24.63 | 0.290 | |
| | | | | | | 25 | 0 | 100 | 0 | 21.32 | 21.70 | 24.26 | 23.16 | 0.207 | |
| | 41373 | 2668.3 | 41490 | 2680.0 | QPSK | 1 | 24 | 1 | 0 | 22.44 | 25.97 | 25.98 | 24.88 | 0.308 | |
| | | | | | | 25 | 0 | 100 | 0 | 21.33 | 21.68 | 24.27 | 23.17 | 0.207 | |
| 5MHz+ 20MHz | 39683 | 2499.3 | 39800 | 2511.0 | 16QAM | 1 | 24 | 1 | 0 | 22.23 | 25.32 | 25.33 | 24.23 | 0.265 | |
| | | | | | | 25 | 0 | 100 | 0 | 20.27 | 20.79 | 23.29 | 22.19 | 0.166 | |
| | 40528 | 2583.8 | 40645 | 2595.5 | 16QAM | 1 | 24 | 1 | 0 | 22.13 | 25.11 | 25.11 | 24.01 | 0.252 | |
| | | | | | | 25 | 0 | 100 | 0 | 20.35 | 20.75 | 23.31 | 22.21 | 0.166 | |
| | 41373 | 2668.3 | 41490 | 2680.0 | 16QAM | 1 | 24 | 1 | 0 | 22.68 | 25.47 | 25.47 | 24.37 | 0.274 | |
| | | | | | | 25 | 0 | 100 | 0 | 20.42 | 20.80 | 23.38 | 22.28 | 0.169 | |
| 5MHz+ 20MHz | 39683 | 2499.3 | 39800 | 2511.0 | 64QAM | 1 | 24 | 1 | 0 | 20.10 | 22.99 | 22.99 | 21.89 | 0.155 | |
| | | | | | | 25 | 0 | 100 | 0 | 19.26 | 19.80 | 22.28 | 21.18 | 0.131 | |
| | 40528 | 2583.8 | 40645 | 2595.5 | 64QAM | 1 | 24 | 1 | 0 | 19.74 | 22.73 | 22.73 | 21.63 | 0.146 | |
| | | | | | | 25 | 0 | 100 | 0 | 19.44 | 19.86 | 22.43 | 21.33 | 0.136 | |
| | 41373 | 2668.3 | 41490 | 2680.0 | 64QAM | 1 | 24 | 1 | 0 | 20.40 | 22.93 | 22.93 | 21.83 | 0.152 | |
| | | | | | | 25 | 0 | 100 | 0 | 19.45 | 19.84 | 22.40 | 21.30 | 0.135 | |
| 5MHz+ 20MHz | 39683 | 2499.3 | 39800 | 2511.0 | 256QAM | 1 | 24 | 1 | 0 | 18.38 | 21.48 | 21.49 | 20.39 | 0.109 | |
| | | | | | | 25 | 0 | 100 | 0 | 18.26 | 18.68 | 21.23 | 20.13 | 0.103 | |
| | 40528 | 2583.8 | 40645 | 2595.5 | 256QAM | 1 | 24 | 1 | 0 | 18.61 | 21.46 | 21.47 | 20.37 | 0.109 | |
| | | | | | | 25 | 0 | 100 | 0 | 18.52 | 18.78 | 21.41 | 20.31 | 0.107 | |
| | 41373 | 2668.3 | 41490 | 2680.0 | 256QAM | 1 | 24 | 1 | 0 | 18.42 | 21.56 | 21.56 | 20.46 | 0.111 | |
| | | | | | | 25 | 0 | 100 | 0 | 18.55 | 18.87 | 21.47 | 20.37 | 0.109 | |

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| Part 27 / RSS 199_EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 41C (20MHz + 5MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+5MHz | 39750 | 2506.0 | 39867 | 2517.7 | QPSK | 1 | 99 | 1 | 0 | 25.21 | 22.16 | 25.22 | 24.12 | 0.258 |
| | | | | | | 100 | 0 | 25 | 0 | 21.50 | 20.87 | 23.93 | 22.83 | 0.192 |
| | 40595 | 2590.5 | 40712 | 2602.2 | QPSK | 1 | 99 | 1 | 0 | 25.67 | 23.18 | 25.69 | 24.59 | 0.288 |
| | | | | | | 100 | 0 | 25 | 0 | 21.82 | 21.25 | 24.31 | 23.21 | 0.209 |
| | 41440 | 2675.0 | 41557 | 2686.7 | QPSK | 1 | 99 | 1 | 0 | 25.31 | 22.28 | 25.32 | 24.22 | 0.264 |
| | | | | | | 100 | 0 | 25 | 0 | 21.69 | 20.96 | 24.10 | 23.00 | 0.200 |
| 20MHz+5MHz | 39750 | 2506.0 | 39867 | 2517.7 | 16QAM | 1 | 99 | 1 | 0 | 24.48 | 21.64 | 24.48 | 23.38 | 0.218 |
| | | | | | | 100 | 0 | 25 | 0 | 20.16 | 19.66 | 22.69 | 21.59 | 0.144 |
| | 40595 | 2590.5 | 40712 | 2602.2 | 16QAM | 1 | 99 | 1 | 0 | 24.78 | 21.80 | 24.78 | 23.68 | 0.233 |
| | | | | | | 100 | 0 | 25 | 0 | 20.64 | 19.88 | 23.03 | 21.93 | 0.156 |
| | 41440 | 2675.0 | 41557 | 2686.7 | 16QAM | 1 | 99 | 1 | 0 | 24.63 | 21.58 | 24.93 | 23.83 | 0.242 |
| | | | | | | 100 | 0 | 25 | 0 | 20.46 | 19.75 | 22.88 | 21.78 | 0.151 |
| 20MHz+5MHz | 39750 | 2506.0 | 39867 | 2517.7 | 64QAM | 1 | 99 | 1 | 0 | 21.89 | 18.66 | 21.89 | 20.79 | 0.120 |
| | | | | | | 100 | 0 | 25 | 0 | 19.05 | 18.66 | 21.62 | 20.52 | 0.113 |
| | 40595 | 2590.5 | 40712 | 2602.2 | 64QAM | 1 | 99 | 1 | 0 | 22.22 | 19.11 | 22.22 | 21.12 | 0.129 |
| | | | | | | 100 | 0 | 25 | 0 | 19.68 | 19.03 | 22.12 | 21.02 | 0.126 |
| | 41440 | 2675.0 | 41557 | 2686.7 | 64QAM | 1 | 99 | 1 | 0 | 21.94 | 18.91 | 21.94 | 20.84 | 0.121 |
| | | | | | | 100 | 0 | 25 | 0 | 19.51 | 18.82 | 21.93 | 20.83 | 0.121 |
| 20MHz+5MHz | 39750 | 2506.0 | 39867 | 2517.7 | 256QAM | 1 | 99 | 1 | 0 | 20.81 | 17.78 | 20.81 | 19.71 | 0.094 |
| | | | | | | 100 | 0 | 25 | 0 | 18.22 | 17.64 | 20.71 | 19.61 | 0.091 |
| | 40595 | 2590.5 | 40712 | 2602.2 | 256QAM | 1 | 99 | 1 | 0 | 21.01 | 18.19 | 21.01 | 19.91 | 0.098 |
| | | | | | | 100 | 0 | 25 | 0 | 18.67 | 18.05 | 21.13 | 20.03 | 0.101 |
| | 41440 | 2675.0 | 41557 | 2686.7 | 256QAM | 1 | 99 | 1 | 0 | 20.94 | 17.93 | 20.94 | 19.84 | 0.096 |
| | | | | | | 100 | 0 | 25 | 0 | 18.61 | 17.85 | 21.00 | 19.90 | 0.098 |

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| Part 27 / RSS 199_ EIRP Limit (W) | | | 2 | | OUTPUT POWER FOR LTE BAND 41C (10MHz + 20MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -1.1 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 10MHz+ 20MHz | 39705 | 2501.5 | 39849 | 2515.9 | QPSK | 1 | 49 | 1 | 0 | 22.50 | 24.36 | 25.51 | 24.41 | 0.276 |
| | | | | | | 50 | 0 | 100 | 0 | 21.14 | 21.13 | 24.12 | 23.02 | 0.200 |
| | 40526 | 2583.6 | 40670 | 2598.0 | QPSK | 1 | 49 | 1 | 0 | 22.06 | 24.62 | 25.62 | 24.52 | 0.283 |
| | | | | | | 50 | 0 | 100 | 0 | 21.44 | 21.34 | 24.37 | 23.27 | 0.212 |
| | 41346 | 2665.6 | 41490 | 2680.0 | QPSK | 1 | 49 | 1 | 0 | 22.81 | 24.69 | 25.84 | 24.74 | 0.298 |
| | | | | | | 50 | 0 | 100 | 0 | 21.42 | 21.21 | 24.30 | 23.20 | 0.209 |
| 10MHz+ 20MHz | 39705 | 2501.5 | 39849 | 2515.9 | 16QAM | 1 | 49 | 1 | 0 | 21.74 | 23.91 | 24.86 | 23.76 | 0.238 |
| | | | | | | 50 | 0 | 100 | 0 | 19.93 | 19.95 | 22.93 | 21.83 | 0.152 |
| | 40526 | 2583.6 | 40670 | 2598.0 | 16QAM | 1 | 49 | 1 | 0 | 21.82 | 23.90 | 24.89 | 23.79 | 0.239 |
| | | | | | | 50 | 0 | 100 | 0 | 20.23 | 20.11 | 23.16 | 22.06 | 0.161 |
| | 41346 | 2665.6 | 41490 | 2680.0 | 16QAM | 1 | 49 | 1 | 0 | 22.42 | 24.03 | 25.17 | 24.07 | 0.255 |
| | | | | | | 50 | 0 | 100 | 0 | 20.29 | 20.13 | 23.20 | 22.10 | 0.162 |
| 10MHz+ 20MHz | 39705 | 2501.5 | 39849 | 2515.9 | 64QAM | 1 | 49 | 1 | 0 | 18.96 | 21.06 | 22.02 | 20.92 | 0.124 |
| | | | | | | 50 | 0 | 100 | 0 | 18.98 | 18.95 | 21.95 | 20.85 | 0.122 |
| | 40526 | 2583.6 | 40670 | 2598.0 | 64QAM | 1 | 49 | 1 | 0 | 19.14 | 21.51 | 22.41 | 21.31 | 0.135 |
| | | | | | | 50 | 0 | 100 | 0 | 19.23 | 19.11 | 22.16 | 21.06 | 0.128 |
| | 41346 | 2665.6 | 41490 | 2680.0 | 64QAM | 1 | 49 | 1 | 0 | 19.51 | 21.51 | 22.53 | 21.43 | 0.139 |
| | | | | | | 50 | 0 | 100 | 0 | 19.33 | 19.12 | 22.21 | 21.11 | 0.129 |
| 10MHz+ 20MHz | 39705 | 2501.5 | 39849 | 2515.9 | 256QAM | 1 | 49 | 1 | 0 | 17.83 | 20.21 | 21.02 | 19.92 | 0.098 |
| | | | | | | 50 | 0 | 100 | 0 | 17.89 | 18.02 | 20.94 | 19.84 | 0.096 |
| | 40526 | 2583.6 | 40670 | 2598.0 | 256QAM | 1 | 49 | 1 | 0 | 18.44 | 20.08 | 21.27 | 20.17 | 0.104 |
| | | | | | | 50 | 0 | 100 | 0 | 18.19 | 18.05 | 21.10 | 20.00 | 0.100 |
| | 41346 | 2665.6 | 41490 | 2680.0 | 256QAM | 1 | 49 | 1 | 0 | 18.50 | 19.97 | 21.19 | 20.09 | 0.102 |
| | | | | | | 50 | 0 | 100 | 0 | 18.33 | 18.00 | 21.15 | 20.05 | 0.101 |

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| Part 27 / RSS 199_EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 41C (15MHz + 15MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 15MHz+15MHz | 39725 | 2503.5 | 39875 | 2518.5 | QPSK | 1 | 74 | 1 | 0 | 22.26 | 22.29 | 25.28 | 24.18 | 0.262 |
| | | | | | | 75 | 0 | 75 | 0 | 20.99 | 20.88 | 23.95 | 22.85 | 0.193 |
| | 40545 | 2585.5 | 40695 | 2600.5 | QPSK | 1 | 74 | 1 | 0 | 22.67 | 22.52 | 25.61 | 24.51 | 0.282 |
| | | | | | | 75 | 0 | 75 | 0 | 21.31 | 21.21 | 24.27 | 23.17 | 0.207 |
| | 41365 | 2667.5 | 41515 | 2682.5 | QPSK | 1 | 74 | 1 | 0 | 22.56 | 22.57 | 25.57 | 24.47 | 0.280 |
| | | | | | | 75 | 0 | 75 | 0 | 21.28 | 21.12 | 24.21 | 23.11 | 0.205 |
| 15MHz+15MHz | 39725 | 2503.5 | 39875 | 2518.5 | 16QAM | 1 | 74 | 1 | 0 | 21.40 | 21.44 | 24.43 | 23.33 | 0.215 |
| | | | | | | 75 | 0 | 75 | 0 | 19.81 | 19.76 | 22.80 | 21.70 | 0.148 |
| | 40545 | 2585.5 | 40695 | 2600.5 | 16QAM | 1 | 74 | 1 | 0 | 22.01 | 21.36 | 24.71 | 23.61 | 0.230 |
| | | | | | | 75 | 0 | 75 | 0 | 20.17 | 20.00 | 23.10 | 22.00 | 0.158 |
| | 41365 | 2667.5 | 41515 | 2682.5 | 16QAM | 1 | 74 | 1 | 0 | 22.06 | 21.81 | 24.95 | 23.85 | 0.243 |
| | | | | | | 75 | 0 | 75 | 0 | 20.12 | 19.87 | 23.01 | 21.91 | 0.155 |
| 15MHz+15MHz | 39725 | 2503.5 | 39875 | 2518.5 | 64QAM | 1 | 74 | 1 | 0 | 19.16 | 18.71 | 21.95 | 20.85 | 0.122 |
| | | | | | | 75 | 0 | 75 | 0 | 18.84 | 18.77 | 21.82 | 20.72 | 0.118 |
| | 40545 | 2585.5 | 40695 | 2600.5 | 64QAM | 1 | 74 | 1 | 0 | 19.14 | 19.13 | 22.15 | 21.05 | 0.127 |
| | | | | | | 75 | 0 | 75 | 0 | 19.19 | 19.07 | 22.14 | 21.04 | 0.127 |
| | 41365 | 2667.5 | 41515 | 2682.5 | 64QAM | 1 | 74 | 1 | 0 | 19.09 | 19.34 | 22.23 | 21.13 | 0.130 |
| | | | | | | 75 | 0 | 75 | 0 | 19.15 | 18.88 | 22.03 | 20.93 | 0.124 |
| 15MHz+15MHz | 39725 | 2503.5 | 39875 | 2518.5 | 256QAM | 1 | 74 | 1 | 0 | 17.74 | 17.87 | 20.82 | 19.72 | 0.094 |
| | | | | | | 75 | 0 | 75 | 0 | 17.87 | 17.80 | 20.85 | 19.75 | 0.094 |
| | 40545 | 2585.5 | 40695 | 2600.5 | 256QAM | 1 | 74 | 1 | 0 | 18.18 | 18.12 | 21.16 | 20.06 | 0.101 |
| | | | | | | 75 | 0 | 75 | 0 | 18.16 | 17.97 | 21.08 | 19.98 | 0.100 |
| | 41365 | 2667.5 | 41515 | 2682.5 | 256QAM | 1 | 74 | 1 | 0 | 18.52 | 18.01 | 21.28 | 20.18 | 0.104 |
| | | | | | | 75 | 0 | 75 | 0 | 18.66 | 17.40 | 21.09 | 19.99 | 0.100 |

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| Part 27 / RSS 199_EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 41C (20MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+10MHz | 39750 | 2506.0 | 39894 | 2520.4 | QPSK | 1 | 99 | 1 | 0 | 24.01 | 22.15 | 25.19 | 24.09 | 0.256 |
| | | | | | | 100 | 0 | 50 | 0 | 20.96 | 20.96 | 23.95 | 22.85 | 0.193 |
| | 40571 | 2588.1 | 40715 | 2602.5 | QPSK | 1 | 99 | 1 | 0 | 24.56 | 22.51 | 25.53 | 24.43 | 0.277 |
| | | | | | | 100 | 0 | 50 | 0 | 21.36 | 21.21 | 24.27 | 23.17 | 0.207 |
| | 41391 | 2670.1 | 41535 | 2684.5 | QPSK | 1 | 99 | 1 | 0 | 24.71 | 22.68 | 25.68 | 24.58 | 0.287 |
| | | | | | | 100 | 0 | 50 | 0 | 21.29 | 20.99 | 24.13 | 23.03 | 0.201 |
| 20MHz+10MHz | 39750 | 2506.0 | 39894 | 2520.4 | 16QAM | 1 | 99 | 1 | 0 | 23.66 | 21.25 | 24.46 | 23.36 | 0.217 |
| | | | | | | 100 | 0 | 50 | 0 | 19.74 | 19.70 | 22.70 | 21.60 | 0.145 |
| | 40571 | 2588.1 | 40715 | 2602.5 | 16QAM | 1 | 99 | 1 | 0 | 23.86 | 21.93 | 24.91 | 23.81 | 0.240 |
| | | | | | | 100 | 0 | 50 | 0 | 20.19 | 20.07 | 23.11 | 22.01 | 0.159 |
| | 41391 | 2670.1 | 41535 | 2684.5 | 16QAM | 1 | 99 | 1 | 0 | 23.18 | 21.76 | 24.67 | 23.57 | 0.228 |
| | | | | | | 100 | 0 | 50 | 0 | 20.13 | 19.89 | 23.00 | 21.90 | 0.155 |
| 20MHz+10MHz | 39750 | 2506.0 | 39894 | 2520.4 | 64QAM | 1 | 99 | 1 | 0 | 20.86 | 18.95 | 21.89 | 20.79 | 0.120 |
| | | | | | | 100 | 0 | 50 | 0 | 18.78 | 18.83 | 21.79 | 20.69 | 0.117 |
| | 40571 | 2588.1 | 40715 | 2602.5 | 64QAM | 1 | 99 | 1 | 0 | 21.25 | 18.51 | 22.20 | 21.10 | 0.129 |
| | | | | | | 100 | 0 | 50 | 0 | 19.21 | 19.02 | 22.10 | 21.00 | 0.126 |
| | 41391 | 2670.1 | 41535 | 2684.5 | 64QAM | 1 | 99 | 1 | 0 | 21.53 | 18.59 | 22.30 | 21.20 | 0.132 |
| | | | | | | 100 | 0 | 50 | 0 | 19.15 | 18.93 | 22.02 | 20.92 | 0.124 |
| 20MHz+10MHz | 39750 | 2506.0 | 39894 | 2520.4 | 256QAM | 1 | 99 | 1 | 0 | 19.99 | 17.77 | 21.03 | 19.93 | 0.098 |
| | | | | | | 100 | 0 | 50 | 0 | 17.79 | 17.75 | 20.75 | 19.65 | 0.092 |
| | 40571 | 2588.1 | 40715 | 2602.5 | 256QAM | 1 | 99 | 1 | 0 | 20.03 | 18.25 | 21.11 | 20.01 | 0.100 |
| | | | | | | 100 | 0 | 50 | 0 | 18.25 | 18.02 | 21.12 | 20.02 | 0.100 |
| | 41391 | 2670.1 | 41535 | 2684.5 | 256QAM | 1 | 99 | 1 | 0 | 19.90 | 18.10 | 21.08 | 19.98 | 0.100 |
| | | | | | | 100 | 0 | 50 | 0 | 18.20 | 17.94 | 21.06 | 19.96 | 0.099 |

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| Part 27 / RSS 199_EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 41C (15MHz + 20MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 15MHz+20MHz | 39728 | 2503.8 | 39899 | 2520.9 | QPSK | 1 | 74 | 1 | 0 | 22.88 | 21.95 | 25.45 | 24.35 | 0.272 |
| | | | | | | 75 | 0 | 100 | 0 | 21.10 | 21.00 | 24.06 | 22.96 | 0.198 |
| | 40523 | 2583.3 | 40694 | 2600.4 | QPSK | 1 | 74 | 1 | 0 | 22.43 | 22.43 | 25.44 | 24.34 | 0.272 |
| | | | | | | 75 | 0 | 100 | 0 | 21.43 | 21.22 | 24.34 | 23.24 | 0.211 |
| | 41319 | 2662.9 | 41490 | 2680.0 | QPSK | 1 | 74 | 1 | 0 | 22.98 | 22.98 | 25.99 | 24.89 | 0.308 |
| | | | | | | 75 | 0 | 100 | 0 | 21.38 | 21.15 | 24.28 | 23.18 | 0.208 |
| 15MHz+20MHz | 39728 | 2503.8 | 39899 | 2520.9 | 16QAM | 1 | 74 | 1 | 0 | 21.34 | 21.47 | 24.41 | 23.31 | 0.214 |
| | | | | | | 75 | 0 | 100 | 0 | 19.73 | 19.72 | 22.73 | 21.63 | 0.146 |
| | 40523 | 2583.3 | 40694 | 2600.4 | 16QAM | 1 | 74 | 1 | 0 | 21.72 | 21.70 | 24.72 | 23.62 | 0.230 |
| | | | | | | 75 | 0 | 100 | 0 | 20.22 | 20.04 | 23.14 | 22.04 | 0.160 |
| | 41319 | 2662.9 | 41490 | 2680.0 | 16QAM | 1 | 74 | 1 | 0 | 22.19 | 21.99 | 25.10 | 24.00 | 0.251 |
| | | | | | | 75 | 0 | 100 | 0 | 20.27 | 20.03 | 23.17 | 22.07 | 0.161 |
| 15MHz+20MHz | 39728 | 2503.8 | 39899 | 2520.9 | 64QAM | 1 | 74 | 1 | 0 | 18.97 | 18.86 | 21.92 | 20.82 | 0.121 |
| | | | | | | 75 | 0 | 100 | 0 | 18.81 | 18.78 | 21.81 | 20.71 | 0.118 |
| | 40523 | 2583.3 | 40694 | 2600.4 | 64QAM | 1 | 74 | 1 | 0 | 19.17 | 19.30 | 22.24 | 21.14 | 0.130 |
| | | | | | | 75 | 0 | 100 | 0 | 19.19 | 19.07 | 22.14 | 21.04 | 0.127 |
| | 41319 | 2662.9 | 41490 | 2680.0 | 64QAM | 1 | 74 | 1 | 0 | 19.38 | 19.44 | 22.42 | 21.32 | 0.136 |
| | | | | | | 75 | 0 | 100 | 0 | 19.30 | 18.99 | 21.16 | 20.06 | 0.101 |
| 15MHz+20MHz | 39728 | 2503.8 | 39899 | 2520.9 | 256QAM | 1 | 74 | 1 | 0 | 18.01 | 17.75 | 20.89 | 19.79 | 0.095 |
| | | | | | | 75 | 0 | 100 | 0 | 17.89 | 17.82 | 20.86 | 19.76 | 0.095 |
| | 40523 | 2583.3 | 40694 | 2600.4 | 256QAM | 1 | 74 | 1 | 0 | 18.10 | 18.17 | 21.15 | 20.05 | 0.101 |
| | | | | | | 75 | 0 | 100 | 0 | 18.25 | 18.05 | 21.16 | 20.06 | 0.101 |
| | 41319 | 2662.9 | 41490 | 2680.0 | 256QAM | 1 | 74 | 1 | 0 | 18.28 | 17.91 | 21.11 | 20.01 | 0.100 |
| | | | | | | 75 | 0 | 100 | 0 | 18.11 | 17.95 | 21.04 | 19.94 | 0.099 |

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| | |
|-----------------------------------|------|
| Part 27 / RSS 199_ EIRP Limit (W) | 2 |
| Antenna Gain | -1.1 |

OUTPUT POWER FOR LTE BAND 41C (20MHz + 15MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+15MHz | 39750 | 2506.0 | 39921 | 2523.1 | QPSK | 1 | 99 | 1 | 0 | 22.12 | 22.07 | 25.10 | 24.00 | 0.251 |
| | | | | | | 100 | 0 | 75 | 0 | 20.99 | 20.98 | 23.99 | 22.89 | 0.195 |
| | 40546 | 2585.6 | 40717 | 2602.7 | QPSK | 1 | 99 | 1 | 0 | 22.55 | 22.59 | 25.58 | 24.48 | 0.281 |
| | | | | | | 100 | 0 | 75 | 0 | 21.33 | 21.19 | 24.27 | 23.17 | 0.207 |
| | 41341 | 2665.1 | 41512 | 2682.2 | QPSK | 1 | 99 | 1 | 0 | 22.60 | 22.50 | 25.56 | 24.46 | 0.279 |
| | | | | | | 100 | 0 | 75 | 0 | 21.35 | 21.13 | 24.25 | 23.15 | 0.207 |
| 20MHz+15MHz | 39750 | 2506.0 | 39921 | 2523.1 | 16QAM | 1 | 99 | 1 | 0 | 21.51 | 21.13 | 24.33 | 23.23 | 0.210 |
| | | | | | | 100 | 0 | 75 | 0 | 19.72 | 19.76 | 22.75 | 21.65 | 0.146 |
| | 40546 | 2585.6 | 40717 | 2602.7 | 16QAM | 1 | 99 | 1 | 0 | 21.53 | 21.85 | 24.71 | 23.61 | 0.230 |
| | | | | | | 100 | 0 | 75 | 0 | 20.18 | 20.05 | 23.13 | 22.03 | 0.160 |
| | 41341 | 2665.1 | 41512 | 2682.2 | 16QAM | 1 | 99 | 1 | 0 | 21.90 | 21.58 | 24.75 | 23.65 | 0.232 |
| | | | | | | 100 | 0 | 75 | 0 | 20.19 | 20.01 | 23.11 | 22.01 | 0.159 |
| 20MHz+15MHz | 39750 | 2506.0 | 39921 | 2523.1 | 64QAM | 1 | 99 | 1 | 0 | 19.01 | 18.71 | 21.87 | 20.77 | 0.119 |
| | | | | | | 100 | 0 | 75 | 0 | 18.81 | 18.83 | 21.83 | 20.73 | 0.118 |
| | 40546 | 2585.6 | 40717 | 2602.7 | 64QAM | 1 | 99 | 1 | 0 | 19.57 | 18.75 | 22.19 | 21.09 | 0.129 |
| | | | | | | 100 | 0 | 75 | 0 | 19.22 | 19.07 | 22.16 | 21.06 | 0.128 |
| | 41341 | 2665.1 | 41512 | 2682.2 | 64QAM | 1 | 99 | 1 | 0 | 19.33 | 19.14 | 22.24 | 21.14 | 0.130 |
| | | | | | | 100 | 0 | 75 | 0 | 19.23 | 19.05 | 22.15 | 21.05 | 0.127 |
| 20MHz+15MHz | 39750 | 2506.0 | 39921 | 2523.1 | 256QAM | 1 | 99 | 1 | 0 | 17.87 | 17.59 | 20.74 | 19.64 | 0.092 |
| | | | | | | 100 | 0 | 75 | 0 | 17.79 | 17.78 | 20.80 | 19.70 | 0.093 |
| | 40546 | 2585.6 | 40717 | 2602.7 | 256QAM | 1 | 99 | 1 | 0 | 18.11 | 18.05 | 21.09 | 19.99 | 0.100 |
| | | | | | | 100 | 0 | 75 | 0 | 18.14 | 17.96 | 21.06 | 19.96 | 0.099 |
| | 41341 | 2665.1 | 41512 | 2682.2 | 256QAM | 1 | 99 | 1 | 0 | 18.23 | 18.32 | 21.28 | 20.18 | 0.104 |
| | | | | | | 100 | 0 | 75 | 0 | 18.72 | 17.50 | 21.16 | 20.06 | 0.101 |

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| Part 27 / RSS 199_ EIRP Limit (W) | | | | | 2 | | | | | | | | | |
|---|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | | | -1.1 | | | | | | | | | |
| OUTPUT POWER FOR LTE BAND 41C (20MHz + 20MHz) | | | | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 20MHz+20MHz | 39750 | 2506.0 | 39948 | 2525.8 | QPSK | 1 | 99 | 1 | 0 | 22.14 | 22.11 | 25.14 | 24.04 | 0.254 |
| | | | | | | 100 | 0 | 100 | 0 | 21.01 | 20.92 | 23.98 | 22.88 | 0.194 |
| | 40521 | 2583.1 | 40719 | 2602.9 | QPSK | 1 | 99 | 1 | 0 | 22.52 | 22.47 | 25.51 | 24.41 | 0.276 |
| | | | | | | 100 | 0 | 100 | 0 | 21.37 | 21.19 | 24.29 | 23.19 | 0.208 |
| | 41292 | 2660.2 | 41490 | 2680.0 | QPSK | 1 | 99 | 1 | 0 | 22.70 | 22.72 | 25.72 | 24.62 | 0.290 |
| | | | | | | 100 | 0 | 100 | 0 | 21.41 | 21.21 | 24.32 | 23.22 | 0.210 |
| 20MHz+20MHz | 39750 | 2506.0 | 39948 | 2525.8 | 16QAM | 1 | 99 | 1 | 0 | 21.57 | 21.68 | 24.64 | 23.54 | 0.226 |
| | | | | | | 100 | 0 | 100 | 0 | 20.04 | 20.03 | 23.05 | 21.95 | 0.157 |
| | 40521 | 2583.1 | 40719 | 2602.9 | 16QAM | 1 | 99 | 1 | 0 | 21.80 | 22.20 | 25.02 | 23.92 | 0.247 |
| | | | | | | 100 | 0 | 100 | 0 | 20.44 | 20.30 | 23.38 | 22.28 | 0.169 |
| | 41292 | 2660.2 | 41490 | 2680.0 | 16QAM | 1 | 99 | 1 | 0 | 22.47 | 22.14 | 25.32 | 24.22 | 0.264 |
| | | | | | | 100 | 0 | 100 | 0 | 20.50 | 20.22 | 23.37 | 22.27 | 0.169 |
| 20MHz+20MHz | 39750 | 2506.0 | 39948 | 2525.8 | 64QAM | 1 | 99 | 1 | 0 | 18.99 | 18.82 | 21.91 | 20.81 | 0.121 |
| | | | | | | 100 | 0 | 100 | 0 | 19.09 | 19.07 | 22.09 | 20.99 | 0.126 |
| | 40521 | 2583.1 | 40719 | 2602.9 | 64QAM | 1 | 99 | 1 | 0 | 19.43 | 19.97 | 22.72 | 21.62 | 0.145 |
| | | | | | | 100 | 0 | 100 | 0 | 19.46 | 19.27 | 22.38 | 21.28 | 0.134 |
| | 41292 | 2660.2 | 41490 | 2680.0 | 64QAM | 1 | 99 | 1 | 0 | 19.76 | 19.74 | 22.76 | 21.66 | 0.147 |
| | | | | | | 100 | 0 | 100 | 0 | 19.57 | 19.28 | 22.44 | 21.34 | 0.136 |
| 20MHz+20MHz | 39750 | 2506.0 | 39948 | 2525.8 | 256QAM | 1 | 99 | 1 | 0 | 17.91 | 17.62 | 20.75 | 19.65 | 0.092 |
| | | | | | | 100 | 0 | 100 | 0 | 18.12 | 18.07 | 21.11 | 20.01 | 0.100 |
| | 40521 | 2583.1 | 40719 | 2602.9 | 256QAM | 1 | 99 | 1 | 0 | 18.54 | 18.29 | 21.43 | 20.33 | 0.108 |
| | | | | | | 100 | 0 | 100 | 0 | 18.39 | 18.26 | 21.34 | 20.24 | 0.106 |
| | 41292 | 2660.2 | 41490 | 2680.0 | 256QAM | 1 | 99 | 1 | 0 | 18.25 | 18.62 | 21.45 | 20.35 | 0.108 |
| | | | | | | 100 | 0 | 100 | 0 | 18.59 | 18.26 | 21.44 | 20.34 | 0.108 |

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| Part 27 / RSS 139_ EIRP Limit (W) | | 1 | | OUTPUT POWER FOR LTE BAND 66C (5MHz + 20MHz) | | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | -0.2 | | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 5MHz+ 20MHz | 132005 | 1713.3 | 132122 | 1725.0 | QPSK | 1 | 24 | 1 | 0 | 22.02 | 24.99 | 25.01 | 23.91 | 0.246 |
| | | | | | | 25 | 0 | 100 | 0 | 20.40 | 20.71 | 23.28 | 22.18 | 0.165 |
| | 132330 | 1745.8 | 132447 | 1757.5 | QPSK | 1 | 24 | 1 | 0 | 21.78 | 24.76 | 24.77 | 23.67 | 0.233 |
| | | | | | | 25 | 0 | 100 | 0 | 19.96 | 20.56 | 23.03 | 21.93 | 0.156 |
| | 132455 | 1758.3 | 132572 | 1770.0 | QPSK | 1 | 24 | 1 | 0 | 22.07 | 25.10 | 25.11 | 24.01 | 0.252 |
| | | | | | | 25 | 0 | 100 | 0 | 20.14 | 20.81 | 23.27 | 22.17 | 0.165 |
| 5MHz+ 20MHz | 132005 | 1713.3 | 132122 | 1725.0 | 16QAM | 1 | 24 | 1 | 0 | 22.50 | 24.32 | 24.33 | 23.23 | 0.210 |
| | | | | | | 25 | 0 | 100 | 0 | 19.42 | 19.68 | 22.30 | 21.20 | 0.132 |
| | 132330 | 1745.8 | 132447 | 1757.5 | 16QAM | 1 | 24 | 1 | 0 | 20.48 | 24.09 | 24.10 | 23.00 | 0.200 |
| | | | | | | 25 | 0 | 100 | 0 | 19.07 | 19.61 | 22.11 | 21.01 | 0.126 |
| | 132455 | 1758.3 | 132572 | 1770.0 | 16QAM | 1 | 24 | 1 | 0 | 21.76 | 24.61 | 24.61 | 23.51 | 0.224 |
| | | | | | | 25 | 0 | 100 | 0 | 19.19 | 19.89 | 22.31 | 21.21 | 0.132 |
| 5MHz+ 20MHz | 132005 | 1713.3 | 132122 | 1725.0 | 64QAM | 1 | 24 | 1 | 0 | 19.18 | 22.26 | 22.26 | 21.16 | 0.131 |
| | | | | | | 25 | 0 | 100 | 0 | 19.41 | 19.63 | 22.28 | 21.18 | 0.131 |
| | 132330 | 1745.8 | 132447 | 1757.5 | 64QAM | 1 | 24 | 1 | 0 | 18.94 | 22.14 | 22.15 | 21.05 | 0.127 |
| | | | | | | 25 | 0 | 100 | 0 | 18.31 | 19.77 | 21.89 | 20.79 | 0.120 |
| | 132455 | 1758.3 | 132572 | 1770.0 | 64QAM | 1 | 24 | 1 | 0 | 19.24 | 22.19 | 22.19 | 21.09 | 0.129 |
| | | | | | | 25 | 0 | 100 | 0 | 18.72 | 19.40 | 21.83 | 20.73 | 0.118 |
| 5MHz+ 20MHz | 132005 | 1713.3 | 132122 | 1725.0 | 256QAM | 1 | 24 | 1 | 0 | 17.39 | 20.41 | 20.41 | 19.31 | 0.085 |
| | | | | | | 25 | 0 | 100 | 0 | 17.41 | 17.74 | 20.32 | 19.22 | 0.084 |
| | 132330 | 1745.8 | 132447 | 1757.5 | 256QAM | 1 | 24 | 1 | 0 | 17.05 | 20.02 | 20.03 | 18.93 | 0.078 |
| | | | | | | 25 | 0 | 100 | 0 | 17.00 | 17.62 | 20.07 | 18.97 | 0.079 |
| | 132455 | 1758.3 | 132572 | 1770.0 | 256QAM | 1 | 24 | 1 | 0 | 17.12 | 20.21 | 20.21 | 19.11 | 0.081 |
| | | | | | | 25 | 0 | 100 | 0 | 17.10 | 17.87 | 20.28 | 19.18 | 0.083 |

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|----------------------------------|------|
| Part 27 / RSS 139_EIRP Limit (W) | 1 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 66C (10MHz + 15MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 10MHz+15MHz | 132025 | 1715.3 | 132145 | 1727.3 | QPSK | 1 | 49 | 1 | 0 | 21.84 | 22.01 | 24.82 | 23.72 | 0.236 |
| | | | | | | 50 | 0 | 75 | 0 | 20.28 | 20.10 | 23.20 | 22.10 | 0.162 |
| | 132351 | 1747.9 | 132471 | 1759.9 | QPSK | 1 | 49 | 1 | 0 | 21.33 | 21.44 | 24.29 | 23.19 | 0.208 |
| | | | | | | 50 | 0 | 75 | 0 | 19.99 | 20.20 | 23.11 | 22.01 | 0.159 |
| | 132477 | 1760.5 | 132597 | 1772.5 | QPSK | 1 | 49 | 1 | 0 | 22.28 | 21.34 | 24.78 | 23.68 | 0.233 |
| | | | | | | 50 | 0 | 75 | 0 | 20.23 | 20.32 | 23.28 | 22.18 | 0.165 |
| 10MHz+15MHz | 132025 | 1715.3 | 132145 | 1727.3 | 16QAM | 1 | 49 | 1 | 0 | 20.85 | 21.36 | 24.02 | 22.92 | 0.196 |
| | | | | | | 50 | 0 | 75 | 0 | 19.18 | 19.05 | 22.12 | 21.02 | 0.126 |
| | 132351 | 1747.9 | 132471 | 1759.9 | 16QAM | 1 | 49 | 1 | 0 | 21.93 | 19.34 | 23.74 | 22.64 | 0.184 |
| | | | | | | 50 | 0 | 75 | 0 | 18.92 | 19.05 | 22.00 | 20.90 | 0.123 |
| | 132477 | 1760.5 | 132597 | 1772.5 | 16QAM | 1 | 49 | 1 | 0 | 20.73 | 20.95 | 23.72 | 22.62 | 0.183 |
| | | | | | | 50 | 0 | 75 | 0 | 19.13 | 19.28 | 22.22 | 21.12 | 0.129 |
| 10MHz+15MHz | 132025 | 1715.3 | 132145 | 1727.3 | 64QAM | 1 | 49 | 1 | 0 | 19.06 | 19.58 | 22.23 | 21.13 | 0.130 |
| | | | | | | 50 | 0 | 75 | 0 | 19.17 | 18.98 | 22.09 | 20.99 | 0.126 |
| | 132351 | 1747.9 | 132471 | 1759.9 | 64QAM | 1 | 49 | 1 | 0 | 17.95 | 17.84 | 20.82 | 19.72 | 0.094 |
| | | | | | | 50 | 0 | 75 | 0 | 18.51 | 18.67 | 21.60 | 20.50 | 0.112 |
| | 132477 | 1760.5 | 132597 | 1772.5 | 64QAM | 1 | 49 | 1 | 0 | 18.12 | 18.82 | 21.40 | 20.30 | 0.107 |
| | | | | | | 50 | 0 | 75 | 0 | 18.41 | 18.63 | 21.53 | 20.43 | 0.110 |
| 10MHz+15MHz | 132025 | 1715.3 | 132145 | 1727.3 | 256QAM | 1 | 49 | 1 | 0 | 17.56 | 17.09 | 20.27 | 19.17 | 0.083 |
| | | | | | | 50 | 0 | 75 | 0 | 17.13 | 16.93 | 20.04 | 18.94 | 0.078 |
| | 132351 | 1747.9 | 132471 | 1759.9 | 256QAM | 1 | 49 | 1 | 0 | 17.41 | 16.49 | 19.87 | 18.77 | 0.075 |
| | | | | | | 50 | 0 | 75 | 0 | 16.92 | 17.05 | 19.99 | 18.89 | 0.077 |
| | 132477 | 1760.5 | 132597 | 1772.5 | 256QAM | 1 | 49 | 1 | 0 | 17.02 | 17.29 | 20.08 | 18.98 | 0.079 |
| | | | | | | 50 | 0 | 75 | 0 | 17.12 | 17.28 | 20.21 | 19.11 | 0.081 |

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| Part 27 / RSS 139_EIRP Limit (W) | 1 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 66C (15MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 15MHz+10MHz | 132047 | 1717.5 | 132167 | 1729.5 | QPSK | 1 | 74 | 1 | 0 | 22.88 | 20.77 | 24.91 | 23.81 | 0.240 |
| | | | | | | 75 | 0 | 50 | 0 | 20.22 | 20.05 | 23.14 | 22.04 | 0.160 |
| | 132373 | 1750.1 | 132493 | 1762.1 | QPSK | 1 | 74 | 1 | 0 | 21.29 | 21.16 | 24.18 | 23.08 | 0.203 |
| | | | | | | 75 | 0 | 50 | 0 | 20.09 | 20.26 | 23.18 | 22.08 | 0.161 |
| | 132499 | 1762.7 | 132619 | 1774.7 | QPSK | 1 | 74 | 1 | 0 | 21.97 | 21.90 | 24.85 | 23.75 | 0.237 |
| | | | | | | 75 | 0 | 50 | 0 | 20.20 | 20.43 | 23.33 | 22.23 | 0.167 |
| 15MHz+10MHz | 132047 | 1717.5 | 132167 | 1729.5 | 16QAM | 1 | 74 | 1 | 0 | 20.36 | 21.74 | 24.06 | 22.96 | 0.198 |
| | | | | | | 75 | 0 | 50 | 0 | 19.11 | 18.97 | 22.15 | 21.05 | 0.127 |
| | 132373 | 1750.1 | 132493 | 1762.1 | 16QAM | 1 | 74 | 1 | 0 | 21.15 | 20.25 | 23.64 | 22.54 | 0.179 |
| | | | | | | 75 | 0 | 50 | 0 | 18.93 | 19.07 | 22.01 | 20.91 | 0.123 |
| | 132499 | 1762.7 | 132619 | 1774.7 | 16QAM | 1 | 74 | 1 | 0 | 21.35 | 20.15 | 23.74 | 22.64 | 0.184 |
| | | | | | | 75 | 0 | 50 | 0 | 19.15 | 19.29 | 22.23 | 21.13 | 0.130 |
| 15MHz+10MHz | 132047 | 1717.5 | 132167 | 1729.5 | 64QAM | 1 | 74 | 1 | 0 | 19.54 | 19.09 | 22.24 | 21.14 | 0.130 |
| | | | | | | 75 | 0 | 50 | 0 | 19.16 | 18.95 | 22.06 | 20.96 | 0.125 |
| | 132373 | 1750.1 | 132493 | 1762.1 | 64QAM | 1 | 74 | 1 | 0 | 17.87 | 17.94 | 20.86 | 19.76 | 0.095 |
| | | | | | | 75 | 0 | 50 | 0 | 18.19 | 19.38 | 21.83 | 20.73 | 0.118 |
| | 132499 | 1762.7 | 132619 | 1774.7 | 64QAM | 1 | 74 | 1 | 0 | 17.93 | 17.94 | 20.87 | 19.77 | 0.095 |
| | | | | | | 75 | 0 | 50 | 0 | 18.39 | 18.56 | 21.48 | 20.38 | 0.109 |
| 15MHz+10MHz | 132047 | 1717.5 | 132167 | 1729.5 | 256QAM | 1 | 74 | 1 | 0 | 17.13 | 17.12 | 20.07 | 18.97 | 0.079 |
| | | | | | | 75 | 0 | 50 | 0 | 17.12 | 17.03 | 20.06 | 18.96 | 0.079 |
| | 132373 | 1750.1 | 132493 | 1762.1 | 256QAM | 1 | 74 | 1 | 0 | 17.04 | 16.56 | 19.74 | 18.64 | 0.073 |
| | | | | | | 75 | 0 | 50 | 0 | 17.44 | 16.60 | 20.05 | 18.95 | 0.079 |
| | 132499 | 1762.7 | 132619 | 1774.7 | 256QAM | 1 | 74 | 1 | 0 | 17.01 | 17.01 | 19.93 | 18.83 | 0.076 |
| | | | | | | 75 | 0 | 50 | 0 | 17.18 | 17.28 | 20.24 | 19.14 | 0.082 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 139_EIRP Limit (W) | 1 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 66C (20MHz + 5MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+5MHz | 132072 | 1720.0 | 132189 | 1731.7 | QPSK | 1 | 99 | 1 | 0 | 24.90 | 22.37 | 24.90 | 23.80 | 0.240 |
| | | | | | | 100 | 0 | 25 | 0 | 20.66 | 20.00 | 23.11 | 22.01 | 0.159 |
| | 132397 | 1752.5 | 132514 | 1764.2 | QPSK | 1 | 99 | 1 | 0 | 24.96 | 21.94 | 24.97 | 23.87 | 0.244 |
| | | | | | | 100 | 0 | 25 | 0 | 20.60 | 20.18 | 23.15 | 22.05 | 0.160 |
| | 132522 | 1765.0 | 132639 | 1776.7 | QPSK | 1 | 99 | 1 | 0 | 24.85 | 22.33 | 24.86 | 23.76 | 0.238 |
| | | | | | | 100 | 0 | 25 | 0 | 20.85 | 20.42 | 23.39 | 22.29 | 0.169 |
| 20MHz+5MHz | 132072 | 1720.0 | 132189 | 1731.7 | 16QAM | 1 | 99 | 1 | 0 | 23.86 | 20.85 | 23.86 | 22.76 | 0.189 |
| | | | | | | 100 | 0 | 25 | 0 | 19.97 | 18.38 | 22.04 | 20.94 | 0.124 |
| | 132397 | 1752.5 | 132514 | 1764.2 | 16QAM | 1 | 99 | 1 | 0 | 24.09 | 21.66 | 24.10 | 23.00 | 0.200 |
| | | | | | | 100 | 0 | 25 | 0 | 19.40 | 19.14 | 22.03 | 20.93 | 0.124 |
| | 132522 | 1765.0 | 132639 | 1776.7 | 16QAM | 1 | 99 | 1 | 0 | 23.68 | 21.15 | 23.69 | 22.59 | 0.182 |
| | | | | | | 100 | 0 | 25 | 0 | 19.71 | 19.27 | 22.24 | 21.14 | 0.130 |
| 20MHz+5MHz | 132072 | 1720.0 | 132189 | 1731.7 | 64QAM | 1 | 99 | 1 | 0 | 22.14 | 18.93 | 22.14 | 21.04 | 0.127 |
| | | | | | | 100 | 0 | 25 | 0 | 19.57 | 18.89 | 22.02 | 20.92 | 0.124 |
| | 132397 | 1752.5 | 132514 | 1764.2 | 64QAM | 1 | 99 | 1 | 0 | 22.02 | 19.07 | 22.02 | 20.92 | 0.124 |
| | | | | | | 100 | 0 | 25 | 0 | 18.82 | 19.35 | 21.80 | 20.70 | 0.117 |
| | 132522 | 1765.0 | 132639 | 1776.7 | 64QAM | 1 | 99 | 1 | 0 | 21.28 | 18.08 | 21.28 | 20.18 | 0.104 |
| | | | | | | 100 | 0 | 25 | 0 | 19.31 | 18.00 | 21.46 | 20.36 | 0.109 |
| 20MHz+5MHz | 132072 | 1720.0 | 132189 | 1731.7 | 256QAM | 1 | 99 | 1 | 0 | 20.03 | 16.94 | 20.03 | 18.93 | 0.078 |
| | | | | | | 100 | 0 | 25 | 0 | 17.86 | 16.38 | 19.99 | 18.89 | 0.077 |
| | 132397 | 1752.5 | 132514 | 1764.2 | 256QAM | 1 | 99 | 1 | 0 | 20.15 | 17.09 | 20.15 | 19.05 | 0.080 |
| | | | | | | 100 | 0 | 25 | 0 | 17.44 | 17.04 | 20.00 | 18.90 | 0.078 |
| | 132522 | 1765.0 | 132639 | 1776.7 | 256QAM | 1 | 99 | 1 | 0 | 20.43 | 17.43 | 20.43 | 19.33 | 0.086 |
| | | | | | | 100 | 0 | 25 | 0 | 17.75 | 17.35 | 20.29 | 19.19 | 0.083 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 139_EIRP Limit (W) | 1 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 66C (10MHz + 20MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|-------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 10MHz+20MHz | 132027 | 1715.5 | 132171 | 1729.9 | QPSK | 1 | 49 | 1 | 0 | 21.65 | 23.74 | 24.68 | 23.58 | 0.228 |
| | | | | | | 50 | 0 | 100 | 0 | 20.26 | 20.11 | 23.17 | 22.07 | 0.161 |
| | 132328 | 1745.6 | 132472 | 1760.0 | QPSK | 1 | 49 | 1 | 0 | 20.41 | 22.53 | 23.43 | 22.33 | 0.171 |
| | | | | | | 50 | 0 | 100 | 0 | 20.01 | 20.17 | 23.08 | 21.98 | 0.158 |
| | 132428 | 1755.6 | 132572 | 1770.0 | QPSK | 1 | 49 | 1 | 0 | 22.07 | 23.97 | 25.06 | 23.96 | 0.249 |
| | | | | | | 50 | 0 | 100 | 0 | 20.07 | 20.33 | 23.19 | 22.09 | 0.162 |
| 10MHz+20MHz | 132027 | 1715.5 | 132171 | 1729.9 | 16QAM | 1 | 49 | 1 | 0 | 21.34 | 23.22 | 24.28 | 23.18 | 0.208 |
| | | | | | | 50 | 0 | 100 | 0 | 19.20 | 19.03 | 22.10 | 21.00 | 0.126 |
| | 132328 | 1745.6 | 132472 | 1760.0 | 16QAM | 1 | 49 | 1 | 0 | 20.72 | 22.73 | 23.80 | 22.70 | 0.186 |
| | | | | | | 50 | 0 | 100 | 0 | 18.90 | 19.04 | 21.96 | 20.86 | 0.122 |
| | 132428 | 1755.6 | 132572 | 1770.0 | 16QAM | 1 | 49 | 1 | 0 | 20.94 | 23.12 | 24.10 | 23.00 | 0.200 |
| | | | | | | 50 | 0 | 100 | 0 | 18.99 | 19.27 | 22.12 | 21.02 | 0.126 |
| 10MHz+20MHz | 132027 | 1715.5 | 132171 | 1729.9 | 64QAM | 1 | 49 | 1 | 0 | 19.27 | 21.21 | 22.23 | 21.13 | 0.130 |
| | | | | | | 50 | 0 | 100 | 0 | 19.28 | 19.11 | 22.18 | 21.08 | 0.128 |
| | 132328 | 1745.6 | 132472 | 1760.0 | 64QAM | 1 | 49 | 1 | 0 | 18.03 | 20.05 | 21.11 | 20.01 | 0.100 |
| | | | | | | 50 | 0 | 100 | 0 | 18.65 | 18.82 | 21.73 | 20.63 | 0.116 |
| | 132428 | 1755.6 | 132572 | 1770.0 | 64QAM | 1 | 49 | 1 | 0 | 18.62 | 20.64 | 21.70 | 20.60 | 0.115 |
| | | | | | | 50 | 0 | 100 | 0 | 18.83 | 18.13 | 21.48 | 20.38 | 0.109 |
| 10MHz+20MHz | 132027 | 1715.5 | 132171 | 1729.9 | 256QAM | 1 | 49 | 1 | 0 | 17.44 | 19.18 | 20.20 | 19.10 | 0.081 |
| | | | | | | 50 | 0 | 100 | 0 | 17.16 | 17.05 | 20.09 | 18.99 | 0.079 |
| | 132328 | 1745.6 | 132472 | 1760.0 | 256QAM | 1 | 49 | 1 | 0 | 17.05 | 19.03 | 20.02 | 18.92 | 0.078 |
| | | | | | | 50 | 0 | 100 | 0 | 16.93 | 17.05 | 19.98 | 18.88 | 0.077 |
| | 132428 | 1755.6 | 132572 | 1770.0 | 256QAM | 1 | 49 | 1 | 0 | 16.91 | 19.12 | 20.11 | 19.01 | 0.080 |
| | | | | | | 50 | 0 | 100 | 0 | 17.04 | 17.24 | 20.13 | 19.03 | 0.080 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 139_ EIRP Limit (W) | | | 1 | | OUTPUT POWER FOR LTE BAND 66C (15MHz + 15MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 15MHz+ 15MHz | 132047 | 1717.5 | 132197 | 1732.5 | QPSK | 1 | 74 | 1 | 0 | 21.74 | 21.75 | 24.75 | 23.65 | 0.232 |
| | | | | | | 75 | 0 | 75 | 0 | 20.15 | 19.98 | 23.08 | 21.98 | 0.158 |
| | 132347 | 1747.5 | 132497 | 1762.5 | QPSK | 1 | 74 | 1 | 0 | 21.09 | 21.13 | 24.12 | 23.02 | 0.200 |
| | | | | | | 75 | 0 | 75 | 0 | 20.02 | 20.15 | 23.10 | 22.00 | 0.158 |
| | 132447 | 1757.5 | 132597 | 1772.5 | QPSK | 1 | 74 | 1 | 0 | 21.11 | 22.24 | 24.72 | 23.62 | 0.230 |
| | | | | | | 75 | 0 | 75 | 0 | 20.14 | 20.36 | 23.26 | 22.16 | 0.164 |
| 15MHz+ 15MHz | 132047 | 1717.5 | 132197 | 1732.5 | 16QAM | 1 | 74 | 1 | 0 | 21.07 | 21.09 | 24.09 | 22.99 | 0.199 |
| | | | | | | 75 | 0 | 75 | 0 | 19.05 | 18.90 | 21.99 | 20.89 | 0.123 |
| | 132347 | 1747.5 | 132497 | 1762.5 | 16QAM | 1 | 74 | 1 | 0 | 20.19 | 21.23 | 23.75 | 22.65 | 0.184 |
| | | | | | | 75 | 0 | 75 | 0 | 18.89 | 19.08 | 21.99 | 20.89 | 0.123 |
| | 132447 | 1757.5 | 132597 | 1772.5 | 16QAM | 1 | 74 | 1 | 0 | 21.32 | 20.46 | 23.92 | 22.82 | 0.191 |
| | | | | | | 75 | 0 | 75 | 0 | 19.02 | 19.20 | 22.12 | 21.02 | 0.126 |
| 15MHz+ 15MHz | 132047 | 1717.5 | 132197 | 1732.5 | 64QAM | 1 | 74 | 1 | 0 | 19.58 | 18.93 | 22.28 | 21.18 | 0.131 |
| | | | | | | 75 | 0 | 75 | 0 | 19.14 | 18.93 | 22.05 | 20.95 | 0.124 |
| | 132347 | 1747.5 | 132497 | 1762.5 | 64QAM | 1 | 74 | 1 | 0 | 17.76 | 17.91 | 20.85 | 19.75 | 0.094 |
| | | | | | | 75 | 0 | 75 | 0 | 18.78 | 18.87 | 21.83 | 20.73 | 0.118 |
| | 132447 | 1757.5 | 132597 | 1772.5 | 64QAM | 1 | 74 | 1 | 0 | 18.43 | 18.71 | 21.59 | 20.49 | 0.112 |
| | | | | | | 75 | 0 | 75 | 0 | 18.43 | 18.57 | 21.51 | 20.41 | 0.110 |
| 15MHz+ 15MHz | 132047 | 1717.5 | 132197 | 1732.5 | 256QAM | 1 | 74 | 1 | 0 | 17.29 | 16.97 | 20.14 | 19.04 | 0.080 |
| | | | | | | 75 | 0 | 75 | 0 | 17.15 | 16.98 | 20.07 | 18.97 | 0.079 |
| | 132347 | 1747.5 | 132497 | 1762.5 | 256QAM | 1 | 74 | 1 | 0 | 17.11 | 16.57 | 19.86 | 18.76 | 0.075 |
| | | | | | | 75 | 0 | 75 | 0 | 16.89 | 17.08 | 20.00 | 18.90 | 0.078 |
| | 132447 | 1757.5 | 132597 | 1772.5 | 256QAM | 1 | 74 | 1 | 0 | 17.36 | 17.33 | 20.35 | 19.25 | 0.084 |
| | | | | | | 75 | 0 | 75 | 0 | 17.49 | 16.76 | 20.16 | 19.06 | 0.081 |

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| Part 27 / RSS 139_EIRP Limit (W) | | 1 | | | | | | | | | | | | |
|----------------------------------|--------|--------|--------|---|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| Antenna Gain | | -0.2 | | OUTPUT POWER FOR LTE BAND 66C (20MHz + 10MHz) | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+10MHz | 132072 | 1720.0 | 132216 | 1734.4 | QPSK | 1 | 99 | 1 | 0 | 24.03 | 21.48 | 25.03 | 23.93 | 0.247 |
| | | | | | | 100 | 0 | 50 | 0 | 20.25 | 20.03 | 23.13 | 22.03 | 0.160 |
| | 132373 | 1750.1 | 132517 | 1764.5 | QPSK | 1 | 99 | 1 | 0 | 23.30 | 21.56 | 24.54 | 23.44 | 0.221 |
| | | | | | | 100 | 0 | 50 | 0 | 20.11 | 20.23 | 23.15 | 22.05 | 0.160 |
| | 132473 | 1760.1 | 132617 | 1774.5 | QPSK | 1 | 99 | 1 | 0 | 23.87 | 22.47 | 24.97 | 23.87 | 0.244 |
| | | | | | | 100 | 0 | 50 | 0 | 20.18 | 20.37 | 23.26 | 22.16 | 0.164 |
| 20MHz+10MHz | 132072 | 1720.0 | 132216 | 1734.4 | 16QAM | 1 | 99 | 1 | 0 | 23.01 | 20.35 | 23.93 | 22.83 | 0.192 |
| | | | | | | 100 | 0 | 50 | 0 | 19.17 | 18.88 | 22.02 | 20.92 | 0.124 |
| | 132373 | 1750.1 | 132517 | 1764.5 | 16QAM | 1 | 99 | 1 | 0 | 22.66 | 20.69 | 23.65 | 22.55 | 0.180 |
| | | | | | | 100 | 0 | 50 | 0 | 18.96 | 19.11 | 22.02 | 20.92 | 0.124 |
| | 132473 | 1760.1 | 132617 | 1774.5 | 16QAM | 1 | 99 | 1 | 0 | 22.66 | 20.53 | 23.67 | 22.57 | 0.181 |
| | | | | | | 100 | 0 | 50 | 0 | 19.06 | 19.29 | 22.16 | 21.06 | 0.128 |
| 20MHz+10MHz | 132072 | 1720.0 | 132216 | 1734.4 | 64QAM | 1 | 99 | 1 | 0 | 21.10 | 19.21 | 22.14 | 21.04 | 0.127 |
| | | | | | | 100 | 0 | 50 | 0 | 19.16 | 18.94 | 22.04 | 20.94 | 0.124 |
| | 132373 | 1750.1 | 132517 | 1764.5 | 64QAM | 1 | 99 | 1 | 0 | 19.81 | 17.64 | 20.73 | 19.63 | 0.092 |
| | | | | | | 100 | 0 | 50 | 0 | 18.72 | 18.80 | 21.75 | 20.65 | 0.116 |
| | 132473 | 1760.1 | 132617 | 1774.5 | 64QAM | 1 | 99 | 1 | 0 | 19.98 | 18.15 | 20.93 | 19.83 | 0.096 |
| | | | | | | 100 | 0 | 50 | 0 | 18.23 | 18.40 | 21.30 | 20.20 | 0.105 |
| 20MHz+10MHz | 132072 | 1720.0 | 132216 | 1734.4 | 256QAM | 1 | 99 | 1 | 0 | 19.07 | 16.66 | 20.10 | 19.00 | 0.079 |
| | | | | | | 100 | 0 | 50 | 0 | 17.20 | 16.98 | 20.08 | 18.98 | 0.079 |
| | 132373 | 1750.1 | 132517 | 1764.5 | 256QAM | 1 | 99 | 1 | 0 | 18.48 | 17.04 | 19.75 | 18.65 | 0.073 |
| | | | | | | 100 | 0 | 50 | 0 | 17.50 | 16.52 | 20.03 | 18.93 | 0.078 |
| | 132473 | 1760.1 | 132617 | 1774.5 | 256QAM | 1 | 99 | 1 | 0 | 18.87 | 17.09 | 19.95 | 18.85 | 0.077 |
| | | | | | | 100 | 0 | 50 | 0 | 17.16 | 17.35 | 20.24 | 19.14 | 0.082 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 139_EIRP Limit (W) | | | | | OUTPUT POWER FOR LTE BAND 66C (15MHz + 20MHz) | | | | | | | | | |
|----------------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| Antenna Gain | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 15MHz+20MHz | 132050 | 1717.8 | 132221 | 1734.9 | QPSK | 1 | 74 | 1 | 0 | 21.77 | 21.68 | 24.74 | 23.64 | 0.231 |
| | | | | | | 75 | 0 | 100 | 0 | 20.22 | 20.09 | 23.17 | 22.07 | 0.161 |
| | 132325 | 1745.3 | 132496 | 1762.4 | QPSK | 1 | 74 | 1 | 0 | 21.09 | 21.13 | 24.12 | 23.02 | 0.200 |
| | | | | | | 75 | 0 | 100 | 0 | 20.03 | 20.20 | 23.13 | 22.03 | 0.160 |
| | 132401 | 1752.9 | 132572 | 1770.0 | QPSK | 1 | 74 | 1 | 0 | 21.33 | 22.49 | 24.96 | 23.86 | 0.243 |
| | | | | | | 75 | 0 | 100 | 0 | 20.08 | 20.33 | 23.22 | 22.12 | 0.163 |
| 15MHz+20MHz | 132050 | 1717.8 | 132221 | 1734.9 | 16QAM | 1 | 74 | 1 | 0 | 21.07 | 20.92 | 24.01 | 22.91 | 0.195 |
| | | | | | | 75 | 0 | 100 | 0 | 19.11 | 18.97 | 22.05 | 20.95 | 0.124 |
| | 132325 | 1745.3 | 132496 | 1762.4 | 16QAM | 1 | 74 | 1 | 0 | 20.64 | 20.73 | 23.69 | 22.59 | 0.182 |
| | | | | | | 75 | 0 | 100 | 0 | 18.92 | 19.11 | 22.02 | 20.92 | 0.124 |
| | 132401 | 1752.9 | 132572 | 1770.0 | 16QAM | 1 | 74 | 1 | 0 | 20.71 | 21.17 | 23.95 | 22.85 | 0.193 |
| | | | | | | 75 | 0 | 100 | 0 | 19.50 | 18.72 | 22.14 | 21.04 | 0.127 |
| 15MHz+20MHz | 132050 | 1717.8 | 132221 | 1734.9 | 64QAM | 1 | 74 | 1 | 0 | 18.77 | 19.29 | 22.05 | 20.95 | 0.124 |
| | | | | | | 75 | 0 | 100 | 0 | 19.22 | 18.99 | 22.11 | 21.01 | 0.126 |
| | 132325 | 1745.3 | 132496 | 1762.4 | 64QAM | 1 | 74 | 1 | 0 | 18.40 | 18.39 | 21.40 | 20.30 | 0.107 |
| | | | | | | 75 | 0 | 100 | 0 | 18.63 | 18.84 | 21.75 | 20.65 | 0.116 |
| | 132401 | 1752.9 | 132572 | 1770.0 | 64QAM | 1 | 74 | 1 | 0 | 19.01 | 18.74 | 21.89 | 20.79 | 0.120 |
| | | | | | | 75 | 0 | 100 | 0 | 18.26 | 18.55 | 21.42 | 20.32 | 0.108 |
| 15MHz+20MHz | 132050 | 1717.8 | 132221 | 1734.9 | 256QAM | 1 | 74 | 1 | 0 | 16.61 | 17.58 | 20.13 | 19.03 | 0.080 |
| | | | | | | 75 | 0 | 100 | 0 | 17.12 | 16.91 | 22.03 | 20.93 | 0.124 |
| | 132325 | 1745.3 | 132496 | 1762.4 | 256QAM | 1 | 74 | 1 | 0 | 16.72 | 16.61 | 19.68 | 18.58 | 0.072 |
| | | | | | | 75 | 0 | 100 | 0 | 16.85 | 17.10 | 19.99 | 18.89 | 0.077 |
| | 132401 | 1752.9 | 132572 | 1770.0 | 256QAM | 1 | 74 | 1 | 0 | 16.85 | 17.37 | 20.12 | 19.02 | 0.080 |
| | | | | | | 75 | 0 | 100 | 0 | 16.90 | 17.27 | 20.10 | 19.00 | 0.079 |

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| Part 27 / RSS 139_EIRP Limit (W) | | | | | OUTPUT POWER FOR LTE BAND 66C (20MHz + 15MHz) | | | | | | | | | |
|----------------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| Antenna Gain | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+15MHz | 132072 | 1720.0 | 132243 | 1737.1 | QPSK | 1 | 99 | 1 | 0 | 21.89 | 21.85 | 24.88 | 23.78 | 0.239 |
| | | | | | | 100 | 0 | 75 | 0 | 20.29 | 20.08 | 23.19 | 22.09 | 0.162 |
| | 132348 | 1747.6 | 132519 | 1764.7 | QPSK | 1 | 99 | 1 | 0 | 21.62 | 21.65 | 24.64 | 23.54 | 0.226 |
| | | | | | | 100 | 0 | 75 | 0 | 20.07 | 20.21 | 23.16 | 22.06 | 0.161 |
| | 132423 | 1755.1 | 132594 | 1772.2 | QPSK | 1 | 99 | 1 | 0 | 21.84 | 21.88 | 24.87 | 23.77 | 0.238 |
| | | | | | | 100 | 0 | 75 | 0 | 20.08 | 20.36 | 23.23 | 22.13 | 0.163 |
| 20MHz+15MHz | 132072 | 1720.0 | 132243 | 1737.1 | 16QAM | 1 | 99 | 1 | 0 | 21.40 | 21.42 | 24.42 | 23.32 | 0.215 |
| | | | | | | 100 | 0 | 75 | 0 | 19.11 | 18.88 | 22.01 | 20.91 | 0.123 |
| | 132348 | 1747.6 | 132519 | 1764.7 | 16QAM | 1 | 99 | 1 | 0 | 20.91 | 21.44 | 24.19 | 23.09 | 0.204 |
| | | | | | | 100 | 0 | 75 | 0 | 18.79 | 19.10 | 21.96 | 20.86 | 0.122 |
| | 132423 | 1755.1 | 132594 | 1772.2 | 16QAM | 1 | 99 | 1 | 0 | 21.08 | 21.50 | 24.30 | 23.20 | 0.209 |
| | | | | | | 100 | 0 | 75 | 0 | 19.00 | 19.22 | 22.11 | 21.01 | 0.126 |
| 20MHz+15MHz | 132072 | 1720.0 | 132243 | 1737.1 | 64QAM | 1 | 99 | 1 | 0 | 18.93 | 19.17 | 22.06 | 20.96 | 0.125 |
| | | | | | | 100 | 0 | 75 | 0 | 19.13 | 19.00 | 22.05 | 20.95 | 0.124 |
| | 132348 | 1747.6 | 132519 | 1764.7 | 64QAM | 1 | 99 | 1 | 0 | 18.51 | 18.38 | 21.35 | 20.25 | 0.106 |
| | | | | | | 100 | 0 | 75 | 0 | 18.50 | 18.68 | 21.60 | 20.50 | 0.112 |
| | 132423 | 1755.1 | 132594 | 1772.2 | 64QAM | 1 | 99 | 1 | 0 | 18.48 | 18.67 | 21.57 | 20.47 | 0.111 |
| | | | | | | 100 | 0 | 75 | 0 | 18.18 | 18.49 | 21.35 | 20.25 | 0.106 |
| 20MHz+15MHz | 132072 | 1720.0 | 132243 | 1737.1 | 256QAM | 1 | 99 | 1 | 0 | 17.05 | 16.97 | 20.05 | 18.95 | 0.079 |
| | | | | | | 100 | 0 | 75 | 0 | 17.09 | 16.85 | 19.98 | 18.88 | 0.077 |
| | 132348 | 1747.6 | 132519 | 1764.7 | 256QAM | 1 | 99 | 1 | 0 | 16.94 | 17.34 | 20.16 | 19.06 | 0.081 |
| | | | | | | 100 | 0 | 75 | 0 | 16.91 | 17.12 | 20.03 | 18.93 | 0.078 |
| | 132423 | 1755.1 | 132594 | 1772.2 | 256QAM | 1 | 99 | 1 | 0 | 17.39 | 17.54 | 20.48 | 19.38 | 0.087 |
| | | | | | | 100 | 0 | 75 | 0 | 17.54 | 16.71 | 20.15 | 19.05 | 0.080 |

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| Part 27 / RSS 139_EIRP Limit (W) | | | | | OUTPUT POWER FOR LTE BAND 66C (20MHz + 20MHz) | | | | | | | | | |
|----------------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| Antenna Gain | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 20MHz+20MHz | 132072 | 1720.0 | 132270 | 1739.8 | QPSK | 1 | 99 | 1 | 0 | 23.22 | 20.03 | 24.92 | 23.82 | 0.241 |
| | | | | | | 100 | 0 | 100 | 0 | 20.17 | 19.96 | 23.07 | 21.97 | 0.157 |
| | 132323 | 1745.1 | 132521 | 1764.9 | QPSK | 1 | 99 | 1 | 0 | 21.63 | 21.72 | 24.69 | 23.59 | 0.229 |
| | | | | | | 100 | 0 | 100 | 0 | 19.99 | 20.15 | 23.08 | 21.98 | 0.158 |
| | 132374 | 1750.2 | 132572 | 1770.0 | QPSK | 1 | 99 | 1 | 0 | 20.68 | 20.73 | 23.71 | 22.61 | 0.182 |
| | | | | | | 100 | 0 | 100 | 0 | 20.02 | 20.29 | 23.17 | 22.07 | 0.161 |
| 20MHz+20MHz | 132072 | 1720.0 | 132270 | 1739.8 | 16QAM | 1 | 99 | 1 | 0 | 21.07 | 21.15 | 24.12 | 23.02 | 0.200 |
| | | | | | | 100 | 0 | 100 | 0 | 19.18 | 19.01 | 22.11 | 21.01 | 0.126 |
| | 132323 | 1745.1 | 132521 | 1764.9 | 16QAM | 1 | 99 | 1 | 0 | 20.63 | 21.73 | 24.23 | 23.13 | 0.206 |
| | | | | | | 100 | 0 | 100 | 0 | 19.01 | 19.23 | 22.13 | 21.03 | 0.127 |
| | 132374 | 1750.2 | 132572 | 1770.0 | 16QAM | 1 | 99 | 1 | 0 | 19.55 | 20.15 | 22.87 | 21.77 | 0.150 |
| | | | | | | 100 | 0 | 100 | 0 | 19.02 | 19.33 | 22.19 | 21.09 | 0.129 |
| 20MHz+20MHz | 132072 | 1720.0 | 132270 | 1739.8 | 64QAM | 1 | 99 | 1 | 0 | 19.22 | 18.91 | 22.08 | 20.98 | 0.125 |
| | | | | | | 100 | 0 | 100 | 0 | 19.30 | 19.02 | 22.17 | 21.07 | 0.128 |
| | 132323 | 1745.1 | 132521 | 1764.9 | 64QAM | 1 | 99 | 1 | 0 | 18.76 | 18.96 | 21.87 | 20.77 | 0.119 |
| | | | | | | 100 | 0 | 100 | 0 | 18.73 | 18.99 | 21.87 | 20.77 | 0.119 |
| | 132374 | 1750.2 | 132572 | 1770.0 | 64QAM | 1 | 99 | 1 | 0 | 16.93 | 17.19 | 20.07 | 18.97 | 0.079 |
| | | | | | | 100 | 0 | 100 | 0 | 18.55 | 18.82 | 21.70 | 20.60 | 0.115 |
| 20MHz+20MHz | 132072 | 1720.0 | 132270 | 1739.8 | 256QAM | 1 | 99 | 1 | 0 | 16.91 | 17.37 | 20.16 | 19.06 | 0.081 |
| | | | | | | 100 | 0 | 100 | 0 | 17.29 | 17.03 | 20.17 | 19.07 | 0.081 |
| | 132323 | 1745.1 | 132521 | 1764.9 | 256QAM | 1 | 99 | 1 | 0 | 17.06 | 17.33 | 20.21 | 19.11 | 0.081 |
| | | | | | | 100 | 0 | 100 | 0 | 17.03 | 17.32 | 20.19 | 19.09 | 0.081 |
| | 132374 | 1750.2 | 132572 | 1770.0 | 256QAM | 1 | 99 | 1 | 0 | 16.21 | 16.00 | 19.12 | 18.02 | 0.063 |
| | | | | | | 100 | 0 | 100 | 0 | 17.05 | 17.40 | 20.24 | 19.14 | 0.082 |

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| Part 24 _ EIRP Limit (W) | | | 1 | | OUTPUT POWER FOR LTE BAND 66B (5MHz + 5MHz) | | | | | | | | | |
|--------------------------|--------|--------|--------|--------|---|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 5MHz+5MHz | 131997 | 1712.5 | 132045 | 1717.3 | QPSK | 1 | 24 | 1 | 0 | 20.97 | 22.06 | 24.54 | 24.34 | 0.272 |
| | | | | | | 25 | 0 | 25 | 0 | 20.17 | 20.13 | 23.16 | 22.96 | 0.198 |
| | 132398 | 1752.6 | 132446 | 1757.4 | QPSK | 1 | 24 | 1 | 0 | 21.53 | 21.47 | 24.50 | 24.30 | 0.269 |
| | | | | | | 25 | 0 | 25 | 0 | 20.04 | 20.07 | 23.07 | 22.87 | 0.194 |
| | 132599 | 1772.7 | 132647 | 1777.5 | QPSK | 1 | 24 | 1 | 0 | 21.76 | 21.69 | 24.72 | 24.52 | 0.283 |
| | | | | | | 25 | 0 | 25 | 0 | 20.43 | 20.38 | 23.41 | 23.21 | 0.209 |
| 5MHz+5MHz | 131997 | 1712.5 | 132045 | 1717.3 | 16QAM | 1 | 24 | 1 | 0 | 20.47 | 21.56 | 24.05 | 23.85 | 0.243 |
| | | | | | | 25 | 0 | 25 | 0 | 19.28 | 19.27 | 22.28 | 22.08 | 0.161 |
| | 132398 | 1752.6 | 132446 | 1757.4 | 16QAM | 1 | 24 | 1 | 0 | 20.74 | 21.19 | 23.97 | 23.77 | 0.238 |
| | | | | | | 25 | 0 | 25 | 0 | 18.97 | 19.07 | 22.03 | 21.83 | 0.152 |
| | 132599 | 1772.7 | 132647 | 1777.5 | 16QAM | 1 | 24 | 1 | 0 | 21.03 | 21.39 | 24.21 | 24.01 | 0.252 |
| | | | | | | 25 | 0 | 25 | 0 | 19.43 | 19.57 | 22.51 | 22.31 | 0.170 |
| 5MHz+5MHz | 131997 | 1712.5 | 132045 | 1717.3 | 64QAM | 1 | 24 | 1 | 0 | 18.84 | 18.97 | 21.91 | 21.71 | 0.148 |
| | | | | | | 25 | 0 | 25 | 0 | 19.14 | 18.96 | 22.06 | 21.86 | 0.153 |
| | 132398 | 1752.6 | 132446 | 1757.4 | 64QAM | 1 | 24 | 1 | 0 | 19.67 | 18.55 | 22.15 | 21.95 | 0.157 |
| | | | | | | 25 | 0 | 25 | 0 | 19.05 | 19.00 | 22.04 | 21.84 | 0.153 |
| | 132599 | 1772.7 | 132647 | 1777.5 | 64QAM | 1 | 24 | 1 | 0 | 18.49 | 19.49 | 22.02 | 21.82 | 0.152 |
| | | | | | | 25 | 0 | 25 | 0 | 18.90 | 19.00 | 21.96 | 21.76 | 0.150 |
| 5MHz+5MHz | 131997 | 1712.5 | 132045 | 1717.3 | 256QAM | 1 | 24 | 1 | 0 | 17.33 | 16.98 | 20.16 | 19.96 | 0.099 |
| | | | | | | 25 | 0 | 25 | 0 | 17.33 | 17.19 | 20.27 | 20.07 | 0.102 |
| | 132398 | 1752.6 | 132446 | 1757.4 | 256QAM | 1 | 24 | 1 | 0 | 17.57 | 17.05 | 20.32 | 20.12 | 0.103 |
| | | | | | | 25 | 0 | 25 | 0 | 17.01 | 17.09 | 20.06 | 19.86 | 0.097 |
| | 132599 | 1772.7 | 132647 | 1777.5 | 256QAM | 1 | 24 | 1 | 0 | 17.57 | 17.69 | 20.64 | 20.44 | 0.111 |
| | | | | | | 25 | 0 | 25 | 0 | 17.91 | 17.01 | 20.49 | 20.29 | 0.107 |

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|-----------------------------------|------|
| Part 27 / RSS 139_ EIRP Limit (W) | 1 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 66B (5MHz + 10MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 5MHz+10MHz | 132000 | 1712.8 | 132072 | 1720.0 | QPSK | 1 | 24 | 1 | 0 | 21.89 | 23.07 | 24.88 | 24.68 | 0.294 |
| | | | | | | 25 | 0 | 50 | 0 | 20.22 | 20.18 | 23.18 | 22.98 | 0.199 |
| | 132375 | 1750.3 | 132447 | 1757.5 | QPSK | 1 | 24 | 1 | 0 | 21.66 | 22.88 | 24.63 | 24.43 | 0.277 |
| | | | | | | 25 | 0 | 50 | 0 | 19.98 | 20.07 | 23.02 | 22.82 | 0.191 |
| | 132550 | 1767.8 | 132622 | 1775.0 | QPSK | 1 | 24 | 1 | 0 | 21.92 | 23.02 | 24.91 | 24.71 | 0.296 |
| | | | | | | 25 | 0 | 50 | 0 | 20.29 | 20.42 | 23.34 | 23.14 | 0.206 |
| 5MHz+10MHz | 132000 | 1712.8 | 132072 | 1720.0 | 16QAM | 1 | 24 | 1 | 0 | 21.90 | 21.73 | 24.15 | 23.95 | 0.248 |
| | | | | | | 25 | 0 | 50 | 0 | 19.12 | 18.95 | 22.02 | 21.82 | 0.152 |
| | 132375 | 1750.3 | 132447 | 1757.5 | 16QAM | 1 | 24 | 1 | 0 | 20.56 | 22.30 | 24.01 | 23.81 | 0.240 |
| | | | | | | 25 | 0 | 50 | 0 | 18.84 | 18.86 | 21.83 | 21.63 | 0.146 |
| | 132550 | 1767.8 | 132622 | 1775.0 | 16QAM | 1 | 24 | 1 | 0 | 20.94 | 22.31 | 24.07 | 23.87 | 0.244 |
| | | | | | | 25 | 0 | 50 | 0 | 19.06 | 19.22 | 22.12 | 21.92 | 0.156 |
| 5MHz+10MHz | 132000 | 1712.8 | 132072 | 1720.0 | 64QAM | 1 | 24 | 1 | 0 | 19.04 | 20.16 | 22.09 | 21.89 | 0.155 |
| | | | | | | 25 | 0 | 50 | 0 | 19.03 | 19.02 | 22.01 | 21.81 | 0.152 |
| | 132375 | 1750.3 | 132447 | 1757.5 | 64QAM | 1 | 24 | 1 | 0 | 18.80 | 19.75 | 21.70 | 21.50 | 0.141 |
| | | | | | | 25 | 0 | 50 | 0 | 18.88 | 18.92 | 21.89 | 21.69 | 0.148 |
| | 132550 | 1767.8 | 132622 | 1775.0 | 64QAM | 1 | 24 | 1 | 0 | 19.34 | 19.91 | 21.95 | 21.75 | 0.150 |
| | | | | | | 25 | 0 | 50 | 0 | 18.81 | 18.92 | 21.84 | 21.64 | 0.146 |
| 5MHz+10MHz | 132000 | 1712.8 | 132072 | 1720.0 | 256QAM | 1 | 24 | 1 | 0 | 17.24 | 18.28 | 20.18 | 19.98 | 0.100 |
| | | | | | | 25 | 0 | 50 | 0 | 17.13 | 17.03 | 20.06 | 19.86 | 0.097 |
| | 132375 | 1750.3 | 132447 | 1757.5 | 256QAM | 1 | 24 | 1 | 0 | 16.94 | 18.00 | 19.86 | 19.66 | 0.092 |
| | | | | | | 25 | 0 | 50 | 0 | 16.81 | 16.91 | 19.84 | 19.64 | 0.092 |
| | 132550 | 1767.8 | 132622 | 1775.0 | 256QAM | 1 | 24 | 1 | 0 | 17.70 | 18.39 | 20.28 | 20.08 | 0.102 |
| | | | | | | 25 | 0 | 50 | 0 | 17.06 | 17.18 | 20.11 | 19.91 | 0.098 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 139_ EIRP Limit (W) | | | 1 | | OUTPUT POWER FOR LTE BAND 66B (10MHz + 5MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 10MHz+ 5MHz | 132022 | 1715.0 | 132094 | 1722.2 | QPSK | 1 | 49 | 1 | 0 | 22.90 | 21.85 | 24.82 | 24.62 | 0.290 |
| | | | | | | 50 | 0 | 25 | 0 | 20.24 | 20.10 | 23.15 | 22.95 | 0.197 |
| | 132397 | 1752.5 | 132469 | 1759.7 | QPSK | 1 | 49 | 1 | 0 | 22.44 | 22.21 | 24.72 | 24.52 | 0.283 |
| | | | | | | 50 | 0 | 25 | 0 | 20.10 | 20.12 | 23.09 | 22.89 | 0.195 |
| | 132572 | 1770.0 | 132644 | 1777.2 | QPSK | 1 | 49 | 1 | 0 | 22.78 | 20.96 | 24.51 | 24.31 | 0.270 |
| | | | | | | 50 | 0 | 25 | 0 | 20.34 | 20.37 | 23.33 | 23.13 | 0.206 |
| 10MHz+ 5MHz | 132022 | 1715.0 | 132094 | 1722.2 | 16QAM | 1 | 49 | 1 | 0 | 22.94 | 21.36 | 24.61 | 24.41 | 0.276 |
| | | | | | | 50 | 0 | 25 | 0 | 9.05 | 18.97 | 22.00 | 21.80 | 0.151 |
| | 132397 | 1752.5 | 132469 | 1759.7 | 16QAM | 1 | 49 | 1 | 0 | 22.17 | 21.24 | 24.15 | 23.95 | 0.248 |
| | | | | | | 50 | 0 | 25 | 0 | 18.38 | 19.39 | 21.90 | 21.70 | 0.148 |
| | 132572 | 1770.0 | 132644 | 1777.2 | 16QAM | 1 | 49 | 1 | 0 | 21.99 | 21.09 | 23.97 | 23.77 | 0.238 |
| | | | | | | 50 | 0 | 25 | 0 | 19.21 | 19.16 | 22.17 | 21.97 | 0.157 |
| 10MHz+ 5MHz | 132022 | 1715.0 | 132094 | 1722.2 | 64QAM | 1 | 49 | 1 | 0 | 20.43 | 18.56 | 22.08 | 21.88 | 0.154 |
| | | | | | | 50 | 0 | 25 | 0 | 19.11 | 19.01 | 22.05 | 21.85 | 0.153 |
| | 132397 | 1752.5 | 132469 | 1759.7 | 64QAM | 1 | 49 | 1 | 0 | 20.22 | 19.19 | 22.14 | 21.94 | 0.156 |
| | | | | | | 50 | 0 | 25 | 0 | 18.92 | 18.91 | 21.90 | 21.70 | 0.148 |
| | 132572 | 1770.0 | 132644 | 1777.2 | 64QAM | 1 | 49 | 1 | 0 | 20.01 | 18.56 | 21.73 | 21.53 | 0.142 |
| | | | | | | 50 | 0 | 25 | 0 | 18.86 | 18.89 | 21.86 | 21.66 | 0.147 |
| 10MHz+ 5MHz | 132022 | 1715.0 | 132094 | 1722.2 | 256QAM | 1 | 49 | 1 | 0 | 18.21 | 17.04 | 20.04 | 19.84 | 0.096 |
| | | | | | | 50 | 0 | 25 | 0 | 17.11 | 16.95 | 20.02 | 19.82 | 0.096 |
| | 132397 | 1752.5 | 132469 | 1759.7 | 256QAM | 1 | 49 | 1 | 0 | 17.90 | 16.74 | 19.81 | 19.61 | 0.091 |
| | | | | | | 50 | 0 | 25 | 0 | 16.92 | 17.00 | 19.94 | 19.74 | 0.094 |
| | 132572 | 1770.0 | 132644 | 1777.2 | 256QAM | 1 | 49 | 1 | 0 | 18.31 | 17.03 | 20.22 | 20.02 | 0.100 |
| | | | | | | 50 | 0 | 25 | 0 | 17.16 | 17.18 | 20.15 | 19.95 | 0.099 |

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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| Part 27 / RSS 139_ EIRP Limit (W) | | | 1 | | OUTPUT POWER FOR LTE BAND 66B (5MHz + 15MHz) | | | | | | | | | |
|-----------------------------------|--------|--------|--------|--------|--|--------|--------|---------|--------|-------------------------|-------|-------|--------------|--------------|
| Antenna Gain | | | -0.2 | | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average | EIRP Average |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | (dBm) | (W) |
| 5MHz+ 15MHz | 132002 | 1713.0 | 132095 | 1722.3 | QPSK | 1 | 24 | 1 | 0 | 22.60 | 25.56 | 25.58 | 25.38 | 0.345 |
| | | | | | | 25 | 0 | 75 | 0 | 20.28 | 20.54 | 23.20 | 23.00 | 0.200 |
| | 132353 | 1748.1 | 132446 | 1757.4 | QPSK | 1 | 24 | 1 | 0 | 21.96 | 24.47 | 24.48 | 24.28 | 0.268 |
| | | | | | | 25 | 0 | 75 | 0 | 19.91 | 20.45 | 22.99 | 22.79 | 0.190 |
| | 132504 | 1763.2 | 132597 | 1772.5 | QPSK | 1 | 24 | 1 | 0 | 22.38 | 25.35 | 25.35 | 25.15 | 0.327 |
| | | | | | | 25 | 0 | 75 | 0 | 20.20 | 20.66 | 23.26 | 23.06 | 0.202 |
| 5MHz+ 15MHz | 132002 | 1713.0 | 132095 | 1722.3 | 16QAM | 1 | 24 | 1 | 0 | 21.78 | 24.46 | 24.46 | 24.26 | 0.267 |
| | | | | | | 25 | 0 | 75 | 0 | 19.08 | 19.36 | 22.00 | 21.80 | 0.151 |
| | 132353 | 1748.1 | 132446 | 1757.4 | 16QAM | 1 | 24 | 1 | 0 | 21.76 | 24.12 | 24.12 | 23.92 | 0.247 |
| | | | | | | 25 | 0 | 75 | 0 | 18.83 | 19.31 | 21.88 | 21.68 | 0.147 |
| | 132504 | 1763.2 | 132597 | 1772.5 | 16QAM | 1 | 24 | 1 | 0 | 21.90 | 24.29 | 24.29 | 24.09 | 0.256 |
| | | | | | | 25 | 0 | 75 | 0 | 19.03 | 19.55 | 22.10 | 21.90 | 0.155 |
| 5MHz+ 15MHz | 132002 | 1713.0 | 132095 | 1722.3 | 64QAM | 1 | 24 | 1 | 0 | 19.12 | 22.06 | 22.06 | 21.86 | 0.153 |
| | | | | | | 25 | 0 | 75 | 0 | 19.15 | 19.28 | 22.03 | 21.83 | 0.152 |
| | 132353 | 1748.1 | 132446 | 1757.4 | 64QAM | 1 | 24 | 1 | 0 | 18.78 | 21.86 | 21.86 | 21.66 | 0.147 |
| | | | | | | 25 | 0 | 75 | 0 | 18.85 | 19.25 | 21.85 | 21.65 | 0.146 |
| | 132504 | 1763.2 | 132597 | 1772.5 | 64QAM | 1 | 24 | 1 | 0 | 19.12 | 22.22 | 22.22 | 22.02 | 0.159 |
| | | | | | | 25 | 0 | 75 | 0 | 19.04 | 19.53 | 22.10 | 21.90 | 0.155 |
| 5MHz+ 15MHz | 132002 | 1713.0 | 132095 | 1722.3 | 256QAM | 1 | 24 | 1 | 0 | 17.18 | 20.24 | 20.24 | 20.04 | 0.101 |
| | | | | | | 25 | 0 | 75 | 0 | 16.66 | 17.86 | 20.12 | 19.92 | 0.098 |
| | 132353 | 1748.1 | 132446 | 1757.4 | 256QAM | 1 | 24 | 1 | 0 | 16.87 | 19.81 | 19.81 | 19.61 | 0.091 |
| | | | | | | 25 | 0 | 75 | 0 | 16.78 | 17.36 | 19.87 | 19.67 | 0.093 |
| | 132504 | 1763.2 | 132597 | 1772.5 | 256QAM | 1 | 24 | 1 | 0 | 16.90 | 20.11 | 20.11 | 19.91 | 0.098 |
| | | | | | | 25 | 0 | 75 | 0 | 17.14 | 17.58 | 20.16 | 19.96 | 0.099 |

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| Part 27 / RSS 139_EIRP Limit (W) | | 1 | | | | | | | | | | | | |
|----------------------------------|--------|--------|--------|---|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| Antenna Gain | | -0.2 | | OUTPUT POWER FOR LTE BAND 66B (10MHz + 10MHz) | | | | | | | | | | |
| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 10MHz+10MHz | 132022 | 1715.0 | 132121 | 1724.9 | QPSK | 1 | 49 | 1 | 0 | 22.52 | 21.49 | 25.05 | 24.85 | 0.305 |
| | | | | | | 50 | 0 | 50 | 0 | 20.21 | 20.01 | 23.12 | 22.92 | 0.196 |
| | 132373 | 1750.1 | 132472 | 1760.0 | QPSK | 1 | 49 | 1 | 0 | 21.99 | 22.01 | 25.01 | 24.81 | 0.303 |
| | | | | | | 50 | 0 | 50 | 0 | 19.87 | 20.00 | 22.95 | 22.75 | 0.188 |
| | 132523 | 1765.1 | 132622 | 1775.0 | QPSK | 1 | 49 | 1 | 0 | 21.88 | 21.85 | 24.88 | 24.68 | 0.294 |
| | | | | | | 50 | 0 | 50 | 0 | 20.13 | 20.34 | 23.25 | 23.05 | 0.202 |
| 10MHz+10MHz | 132022 | 1715.0 | 132121 | 1724.9 | 16QAM | 1 | 49 | 1 | 0 | 21.47 | 21.55 | 24.52 | 24.32 | 0.270 |
| | | | | | | 50 | 0 | 50 | 0 | 19.28 | 19.08 | 22.20 | 22.00 | 0.158 |
| | 132373 | 1750.1 | 132472 | 1760.0 | 16QAM | 1 | 49 | 1 | 0 | 21.40 | 20.67 | 24.06 | 23.86 | 0.243 |
| | | | | | | 50 | 0 | 50 | 0 | 19.05 | 19.15 | 22.11 | 21.91 | 0.155 |
| | 132523 | 1765.1 | 132622 | 1775.0 | 16QAM | 1 | 49 | 1 | 0 | 21.38 | 21.17 | 24.29 | 24.09 | 0.256 |
| | | | | | | 50 | 0 | 50 | 0 | 19.17 | 19.45 | 22.32 | 22.12 | 0.163 |
| 10MHz+10MHz | 132022 | 1715.0 | 132121 | 1724.9 | 64QAM | 1 | 49 | 1 | 0 | 19.43 | 18.96 | 22.21 | 22.01 | 0.159 |
| | | | | | | 50 | 0 | 50 | 0 | 19.32 | 19.08 | 22.21 | 22.01 | 0.159 |
| | 132373 | 1750.1 | 132472 | 1760.0 | 64QAM | 1 | 49 | 1 | 0 | 18.94 | 18.82 | 21.89 | 21.69 | 0.148 |
| | | | | | | 50 | 0 | 50 | 0 | 18.93 | 19.09 | 22.02 | 21.82 | 0.152 |
| | 132523 | 1765.1 | 132622 | 1775.0 | 64QAM | 1 | 49 | 1 | 0 | 19.12 | 18.96 | 22.05 | 21.85 | 0.153 |
| | | | | | | 50 | 0 | 50 | 0 | 19.18 | 19.24 | 22.22 | 22.02 | 0.159 |
| 10MHz+10MHz | 132022 | 1715.0 | 132121 | 1724.9 | 256QAM | 1 | 49 | 1 | 0 | 17.08 | 16.97 | 20.04 | 19.84 | 0.096 |
| | | | | | | 50 | 0 | 50 | 0 | 17.26 | 17.13 | 20.20 | 20.00 | 0.100 |
| | 132373 | 1750.1 | 132472 | 1760.0 | 256QAM | 1 | 49 | 1 | 0 | 17.07 | 16.89 | 20.00 | 19.80 | 0.095 |
| | | | | | | 50 | 0 | 50 | 0 | 16.99 | 17.09 | 20.05 | 19.85 | 0.097 |
| | 132523 | 1765.1 | 132622 | 1775.0 | 256QAM | 1 | 49 | 1 | 0 | 16.98 | 17.20 | 20.10 | 19.90 | 0.098 |
| | | | | | | 50 | 0 | 50 | 0 | 17.24 | 17.35 | 20.31 | 20.11 | 0.103 |

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| | |
|----------------------------------|------|
| Part 27 / RSS 139_EIRP Limit (W) | 1 |
| Antenna Gain | -0.2 |

OUTPUT POWER FOR LTE BAND 66B (15MHz + 5MHz)

| Bandwidth | PCC | | SCC1 | | Modulation | PCC RB | | SCC1 RB | | Conducted Average (dBm) | | | EIRP Average (dBm) | EIRP Average (W) |
|------------|--------|--------|--------|--------|------------|--------|--------|---------|--------|-------------------------|-------|-------|--------------------|------------------|
| | Earfcn | MHz | Earfcn | MHz | | Size | Offset | Size | Offset | PCC | SCC1 | Total | | |
| 15MHz+5MHz | 132047 | 1717.5 | 132140 | 1726.8 | QPSK | 1 | 74 | 1 | 0 | 25.38 | 22.47 | 25.40 | 25.20 | 0.331 |
| | | | | | | 75 | 0 | 25 | 0 | 20.61 | 20.01 | 23.13 | 22.93 | 0.196 |
| | 132398 | 1752.6 | 132491 | 1761.9 | QPSK | 1 | 74 | 1 | 0 | 25.14 | 22.16 | 25.15 | 24.95 | 0.313 |
| | | | | | | 75 | 0 | 25 | 0 | 20.45 | 20.21 | 23.05 | 22.85 | 0.193 |
| | 132549 | 1767.7 | 132642 | 1777.0 | QPSK | 1 | 74 | 1 | 0 | 24.93 | 21.43 | 24.94 | 24.74 | 0.298 |
| | | | | | | 75 | 0 | 25 | 0 | 21.42 | 19.23 | 23.30 | 23.10 | 0.204 |
| 15MHz+5MHz | 132047 | 1717.5 | 132140 | 1726.8 | 16QAM | 1 | 74 | 1 | 0 | 24.30 | 21.29 | 24.31 | 24.11 | 0.258 |
| | | | | | | 75 | 0 | 25 | 0 | 19.48 | 18.80 | 21.94 | 21.74 | 0.149 |
| | 132398 | 1752.6 | 132491 | 1761.9 | 16QAM | 1 | 74 | 1 | 0 | 23.87 | 21.68 | 23.87 | 23.67 | 0.233 |
| | | | | | | 75 | 0 | 25 | 0 | 19.20 | 18.85 | 21.82 | 21.62 | 0.145 |
| | 132549 | 1767.7 | 132642 | 1777.0 | 16QAM | 1 | 74 | 1 | 0 | 24.11 | 21.46 | 24.12 | 23.92 | 0.247 |
| | | | | | | 75 | 0 | 25 | 0 | 19.49 | 19.26 | 22.16 | 21.96 | 0.157 |
| 15MHz+5MHz | 132047 | 1717.5 | 132140 | 1726.8 | 64QAM | 1 | 74 | 1 | 0 | 22.27 | 19.32 | 22.27 | 22.07 | 0.161 |
| | | | | | | 75 | 0 | 25 | 0 | 19.42 | 18.99 | 22.02 | 21.82 | 0.152 |
| | 132398 | 1752.6 | 132491 | 1761.9 | 64QAM | 1 | 74 | 1 | 0 | 21.94 | 19.25 | 21.95 | 21.75 | 0.150 |
| | | | | | | 75 | 0 | 25 | 0 | 18.83 | 19.50 | 21.96 | 21.76 | 0.150 |
| | 132549 | 1767.7 | 132642 | 1777.0 | 64QAM | 1 | 74 | 1 | 0 | 21.70 | 18.80 | 21.70 | 21.50 | 0.141 |
| | | | | | | 75 | 0 | 25 | 0 | 19.68 | 18.45 | 21.93 | 21.73 | 0.149 |
| 15MHz+5MHz | 132047 | 1717.5 | 132140 | 1726.8 | 256QAM | 1 | 74 | 1 | 0 | 20.00 | 15.58 | 20.00 | 19.80 | 0.095 |
| | | | | | | 75 | 0 | 25 | 0 | 17.48 | 16.90 | 19.99 | 19.79 | 0.095 |
| | 132398 | 1752.6 | 132491 | 1761.9 | 256QAM | 1 | 74 | 1 | 0 | 19.87 | 16.32 | 19.87 | 19.67 | 0.093 |
| | | | | | | 75 | 0 | 25 | 0 | 17.31 | 16.93 | 19.92 | 19.72 | 0.094 |
| | 132549 | 1767.7 | 132642 | 1777.0 | 256QAM | 1 | 74 | 1 | 0 | 20.43 | 18.08 | 20.43 | 20.23 | 0.105 |
| | | | | | | 75 | 0 | 25 | 0 | 17.57 | 17.20 | 20.16 | 19.96 | 0.099 |

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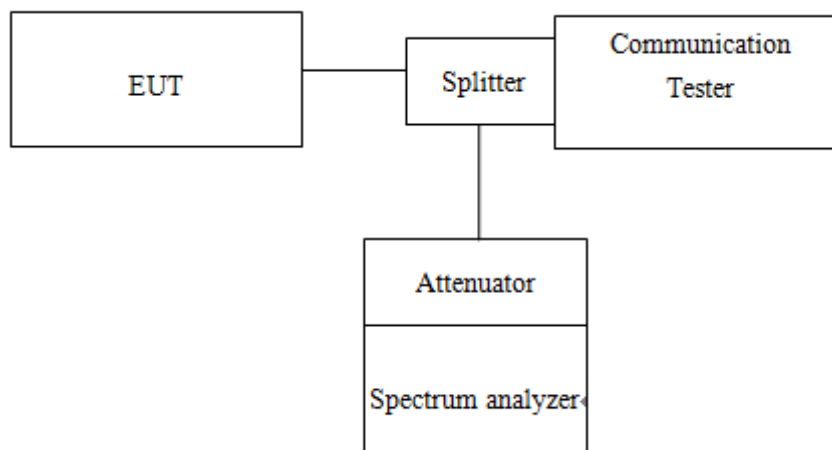
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8 OCCUPIED BANDWIDTH MEASUREMENT

8.1 Standard Applicable

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

8.2 Test Set-up



8.3 Measurement Procedure

99% & 26dB Bandwidth with detector peak

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

99% Bandwidth with detector sample

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW, -20dBc display line was placed on the screen (or 20dB bandwidth). Set RBW to 99% bandwidth, RBW= 1% ~ 5%, VBW= 3 RBW, with span > 2 * Signal BW, set % Power = 99%.

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8.4 Measurement Result

LTE BAND 2C

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|-------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 2C | 5MHz + 20MHz | 25/0 + 100/0 | 1880.0 | 22.991 | 22.954 | 22.961 | 22.991 | 24.45 | 24.34 | 24.39 | 24.46 |
| LTE BAND 2C | 20MHz + 5MHz | 100/0 + 25/0 | 1880.0 | 22.815 | 22.949 | 22.95 | 22.938 | 24.52 | 24.49 | 24.44 | 24.49 |
| LTE BAND 2C | 10MHz + 15MHz | 50/0 + 75/0 | 1880.0 | 23.208 | 23.174 | 23.209 | 23.249 | 24.84 | 24.72 | 24.75 | 24.75 |
| LTE BAND 2C | 15MHz + 10MHz | 75/0 + 50/0 | 1880.0 | 23.184 | 23.208 | 23.192 | 23.169 | 24.86 | 24.82 | 24.91 | 24.95 |
| LTE BAND 2C | 10MHz + 20MHz | 50/0 + 100/0 | 1880.0 | 27.859 | 27.883 | 27.871 | 27.813 | 29.93 | 29.68 | 29.68 | 29.58 |
| LTE BAND 2C | 20MHz + 10MHz | 100/0 + 50/0 | 1880.0 | 27.881 | 27.840 | 27.885 | 27.838 | 29.84 | 29.65 | 29.73 | 29.73 |
| LTE BAND 2C | 15MHz + 15MHz | 75/0 + 75/0 | 1880.0 | 28.457 | 28.453 | 28.418 | 28.449 | 34.02 | 30.41 | 30.5 | 30.52 |
| LTE BAND 2C | 15MHz + 20MHz | 75/0 + 100/0 | 1880.0 | 32.771 | 32.814 | 32.756 | 32.759 | 35.01 | 34.92 | 34.98 | 35.03 |
| LTE BAND 2C | 20MHz + 15MHz | 100/0 + 75/0 | 1880.0 | 32.787 | 32.738 | 32.742 | 32.759 | 34.97 | 34.87 | 34.98 | 35.08 |
| LTE BAND 2C | 20MHz + 20MHz | 100/0 + 100/0 | 1880.0 | 37.805 | 37.720 | 37.747 | 37.726 | 44.73 | 41.33 | 40.18 | 40.23 |

LTE BAND 5B

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|-------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 5B | 5MHz + 10MHz | 25/0 + 50/0 | 836.5 | 13.909 | 13.906 | 13.911 | 13.909 | 14.89 | 14.93 | 14.82 | 14.86 |
| LTE BAND 5B | 10MHz + 5MHz | 50/0 + 25/0 | 836.5 | 13.943 | 13.914 | 13.907 | 13.91 | 14.89 | 14.8 | 14.86 | 14.8 |
| LTE BAND 5B | 10MHz + 10MHz | 50/0 + 50/0 | 836.5 | 18.814 | 18.835 | 18.8 | 18.816 | 20.17 | 20.09 | 20.18 | 20.08 |

LTE BAND 7C

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|-------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 7C | 10MHz + 20MHz | 50/0 + 100/0 | 2535.0 | 27.854 | 27.833 | 27.775 | 27.788 | 29.69 | 29.58 | 29.63 | 29.73 |
| LTE BAND 7C | 20MHz + 10MHz | 100/0 + 50/0 | 2535.0 | 27.919 | 27.851 | 27.865 | 27.851 | 29.75 | 29.66 | 29.7 | 29.82 |
| LTE BAND 7C | 15MHz + 15MHz | 75/0 + 75/0 | 2535.0 | 28.447 | 28.414 | 28.429 | 28.425 | 30.45 | 30.38 | 30.34 | 30.32 |
| LTE BAND 7C | 15MHz + 20MHz | 75/0 + 100/0 | 2535.0 | 32.763 | 32.704 | 32.691 | 32.735 | 34.78 | 34.73 | 34.82 | 34.89 |
| LTE BAND 7C | 20MHz + 15MHz | 100/0 + 75/0 | 2535.0 | 32.754 | 32.777 | 32.735 | 32.681 | 34.86 | 34.92 | 34.99 | 34.85 |
| LTE BAND 7C | 20MHz + 20MHz | 100/0 + 100/0 | 2535.0 | 37.646 | 37.616 | 37.63 | 37.693 | 39.59 | 39.48 | 39.43 | 39.56 |

LTE BAND 38C

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|--------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 38C | 15MHz + 15MHz | 75/0 + 75/0 | 2595.0 | 28.457 | 28.443 | 28.44 | 28.459 | 31.28 | 30.98 | 31.73 | 30.97 |
| LTE BAND 38C | 20MHz + 20MHz | 100/0 + 100/0 | 2595.0 | 37.782 | 37.788 | 37.693 | 37.752 | 41.65 | 41.26 | 41.08 | 41.71 |

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LTE BAND 41C

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|--------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 41C | 5MHz + 20MHz | 25/0 + 100/0 | 2593.0 | 22.957 | 22.986 | 22.959 | 22.995 | 24.79 | 25.73 | 24.54 | 24.87 |
| LTE BAND 41C | 20MHz + 5MHz | 100/0 + 25/0 | 2593.0 | 23.019 | 22.993 | 22.941 | 22.987 | 25.02 | 25.66 | 24.45 | 24.83 |
| LTE BAND 41C | 10MHz + 20MHz | 50/0 + 100/0 | 2593.0 | 27.907 | 27.847 | 27.86 | 27.87 | 30.65 | 31.75 | 30.43 | 30.23 |
| LTE BAND 41C | 20MHz + 10MHz | 100/0 + 50/0 | 2593.0 | 27.88 | 27.872 | 27.871 | 27.869 | 30.66 | 29.7 | 31.26 | 30.31 |
| LTE BAND 41C | 15MHz + 15MHz | 75/0 + 75/0 | 2593.0 | 28.47 | 28.457 | 28.453 | 28.434 | 30.76 | 30.46 | 32.46 | 30.76 |
| LTE BAND 41C | 15MHz + 20MHz | 75/0 + 100/0 | 2593.0 | 32.798 | 32.753 | 32.725 | 32.742 | 36.42 | 36.24 | 35.68 | 35.58 |
| LTE BAND 41C | 20MHz + 15MHz | 100/0 + 75/0 | 2593.0 | 32.771 | 32.812 | 32.748 | 32.755 | 35.9 | 36.09 | 35.56 | 35.42 |
| LTE BAND 41C | 20MHz + 20MHz | 100/0 + 100/0 | 2593.0 | 37.679 | 37.768 | 37.766 | 37.73 | 44.38 | 41.61 | 41.28 | 40.98 |

LTE BAND 66C

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|--------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 66C | 5MHz + 20MHz | 25/0 + 100/0 | 1745.0 | 22.973 | 22.947 | 22.933 | 22.92 | 24.46 | 24.42 | 24.37 | 24.55 |
| LTE BAND 66C | 20MHz + 5MHz | 100/0 + 25/0 | 1745.0 | 23.007 | 22.957 | 22.981 | 22.954 | 24.51 | 24.34 | 24.37 | 24.25 |
| LTE BAND 66C | 10MHz + 15MHz | 50/0 + 75/0 | 1745.0 | 23.203 | 23.238 | 23.255 | 23.179 | 24.87 | 24.79 | 24.88 | 24.8 |
| LTE BAND 66C | 15MHz + 10MHz | 75/0 + 50/0 | 1745.0 | 23.212 | 23.225 | 23.238 | 23.19 | 24.88 | 24.93 | 26.57 | 24.75 |
| LTE BAND 66C | 10MHz + 20MHz | 50/0 + 100/0 | 1745.0 | 27.862 | 27.847 | 27.923 | 27.835 | 29.63 | 29.57 | 30.12 | 29.83 |
| LTE BAND 66C | 20MHz + 10MHz | 100/0 + 50/0 | 1745.0 | 27.906 | 27.884 | 27.856 | 27.836 | 29.84 | 29.71 | 29.57 | 29.92 |
| LTE BAND 66C | 15MHz + 15MHz | 75/0 + 75/0 | 1745.0 | 28.438 | 28.453 | 28.436 | 28.429 | 31.03 | 30.45 | 30.42 | 30.44 |
| LTE BAND 66C | 15MHz + 20MHz | 75/0 + 100/0 | 1745.0 | 32.789 | 32.782 | 32.758 | 32.744 | 34.87 | 35.07 | 34.93 | 34.85 |
| LTE BAND 66C | 20MHz + 15MHz | 100/0 + 75/0 | 1745.0 | 32.786 | 32.743 | 32.768 | 32.739 | 34.95 | 34.72 | 35 | 34.95 |
| LTE BAND 66C | 20MHz + 20MHz | 100/0 + 100/0 | 1745.0 | 37.748 | 37.689 | 37.708 | 37.683 | 40.23 | 40.12 | 40.29 | 40.2 |

LTE BAND 66B

| Band | Bandwidth | RB Allocation/RB Offset | Frequency (MHz) | 99% BW (MHz) | | | | 26 dB BW (MHz) | | | |
|--------------|---------------|-------------------------|-----------------|--------------|--------|--------|--------|----------------|-------|-------|--------|
| | | | | QPSK | 16QAM | 64QAM | 256QAM | QPSK | 16QAM | 64QAM | 256QAM |
| LTE BAND 66B | 5MHz + 5MHz | 25/0 + 25/0 | 1745.0 | 9.2737 | 9.272 | 9.2605 | 9.2638 | 9.941 | 10.01 | 9.968 | 10.02 |
| LTE BAND 66B | 5MHz + 10MHz | 25/0 + 50/0 | 1745.0 | 13.888 | 13.878 | 13.903 | 13.882 | 14.84 | 14.72 | 14.85 | 14.85 |
| LTE BAND 66B | 10MHz + 5MHz | 50/0 + 25/0 | 1745.0 | 13.898 | 13.927 | 13.889 | 13.896 | 14.85 | 14.85 | 14.85 | 14.87 |
| LTE BAND 66B | 5MHz + 15MHz | 25/0 + 75/0 | 1745.0 | 18.224 | 18.226 | 18.218 | 18.192 | 19.2 | 19.2 | 19.29 | 19.21 |
| LTE BAND 66B | 15MHz + 5MHz | 75/0 + 25/0 | 1745.0 | 18.256 | 18.264 | 18.264 | 18.233 | 19.49 | 19.33 | 19.24 | 19.35 |
| LTE BAND 66B | 10MHz + 10MHz | 50/0 + 50/0 | 1745.0 | 18.819 | 18.840 | 18.79 | 18.837 | 20.11 | 20.04 | 20.11 | 20.03 |

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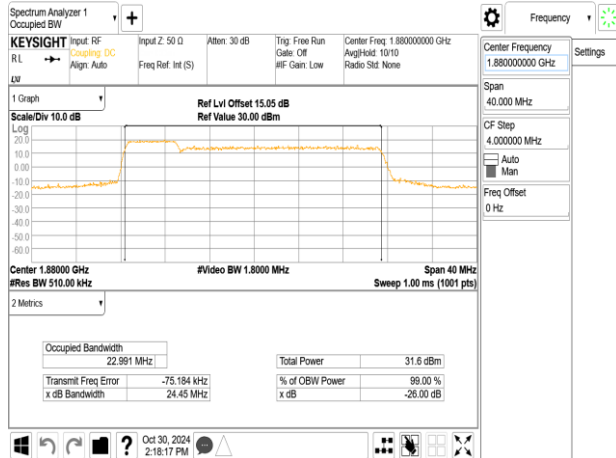
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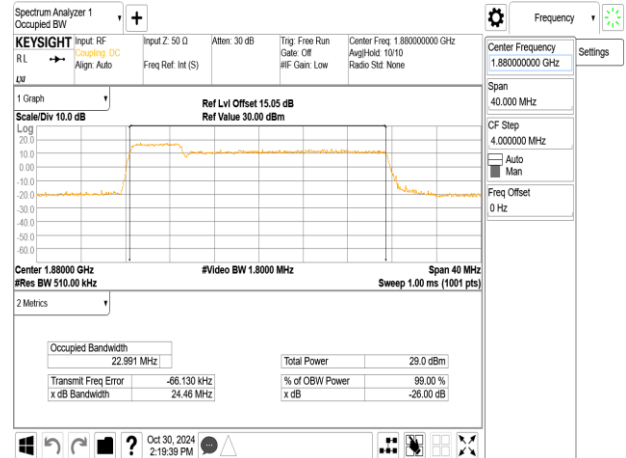
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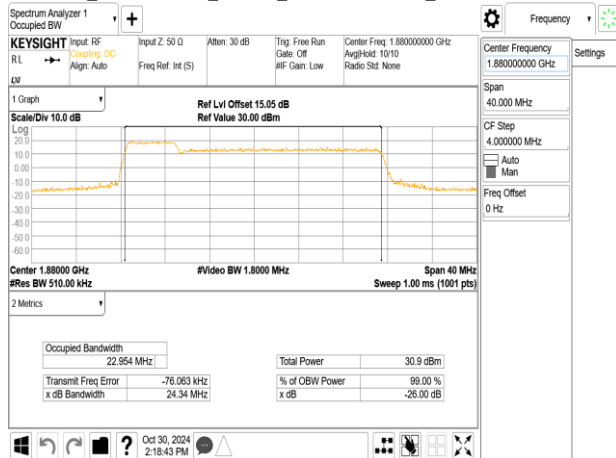
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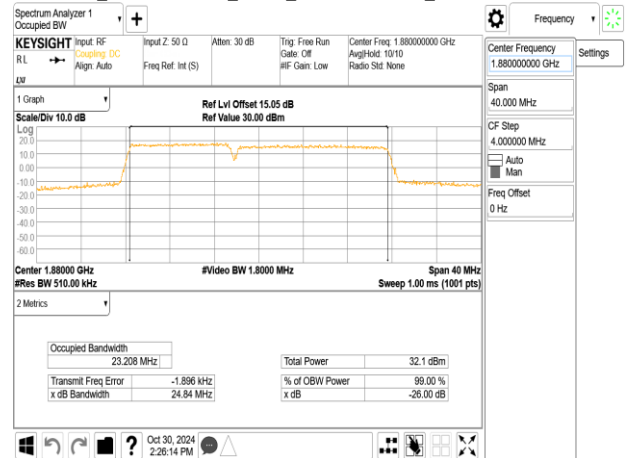
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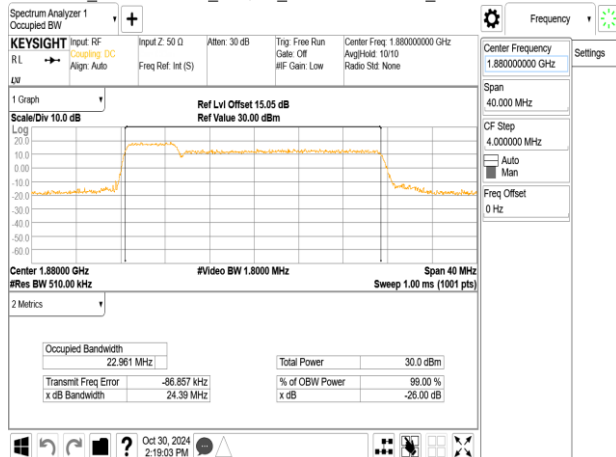
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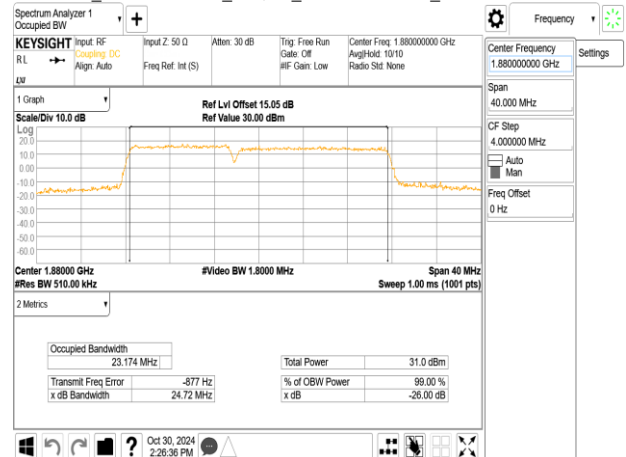
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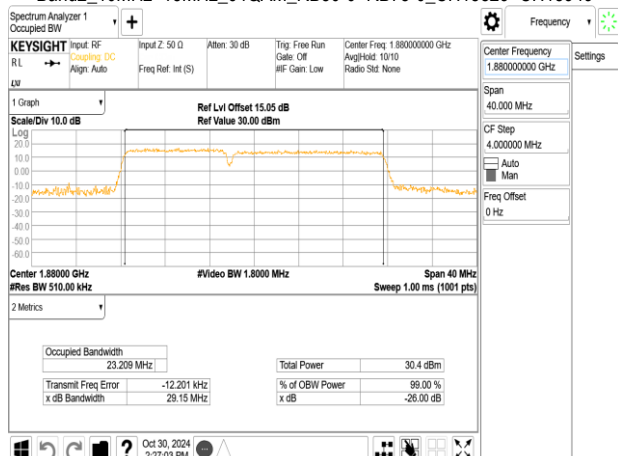


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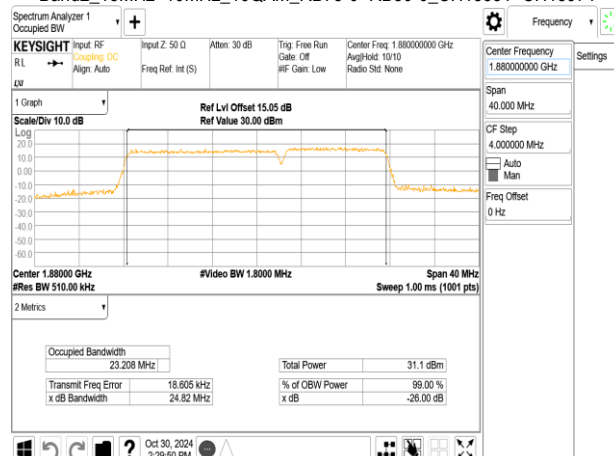
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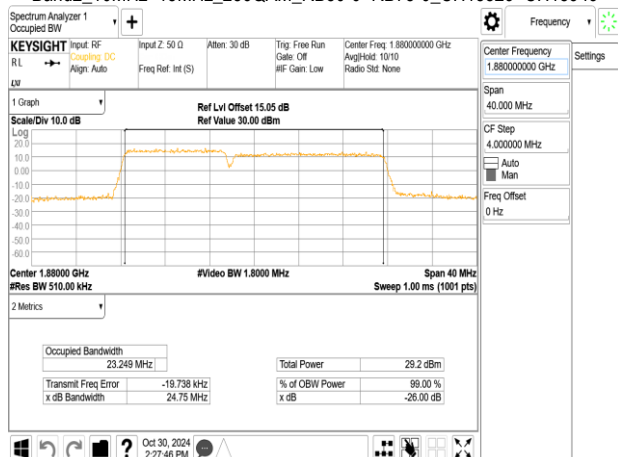
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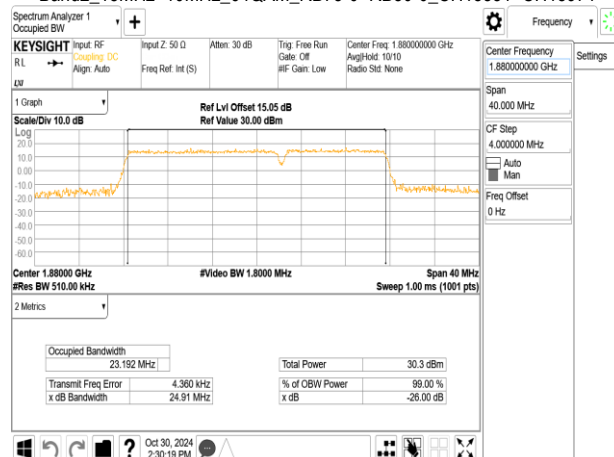
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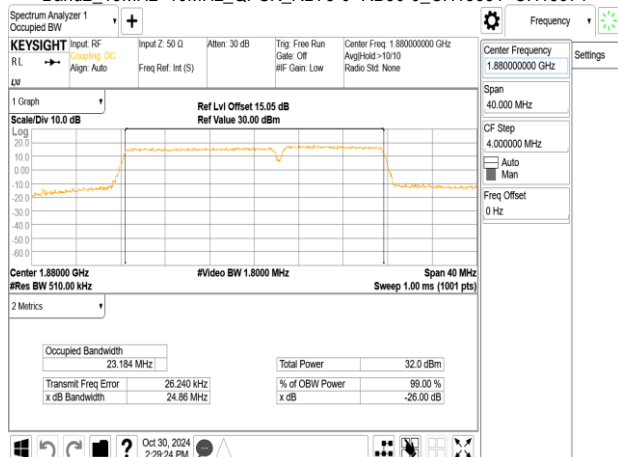
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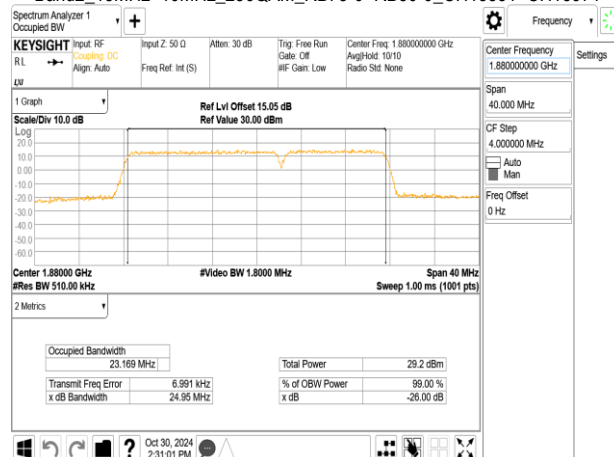
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Band2_15MHz+10MHz_QPSK_RB75-0+RB50-0_CH18851+CH18971



Band2_15MHz+10MHz_256QAM_RB75-0+RB50-0_CH18851+CH18971

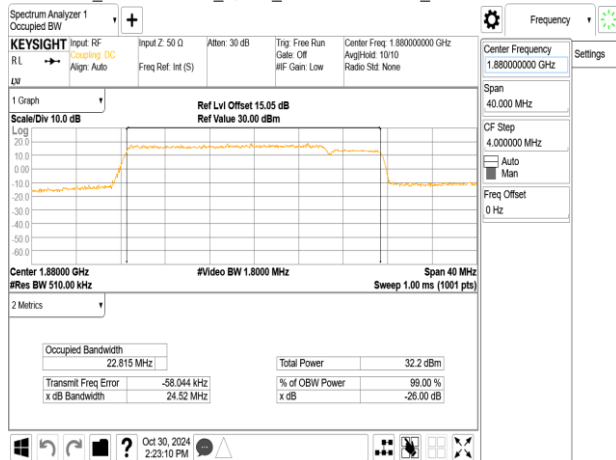


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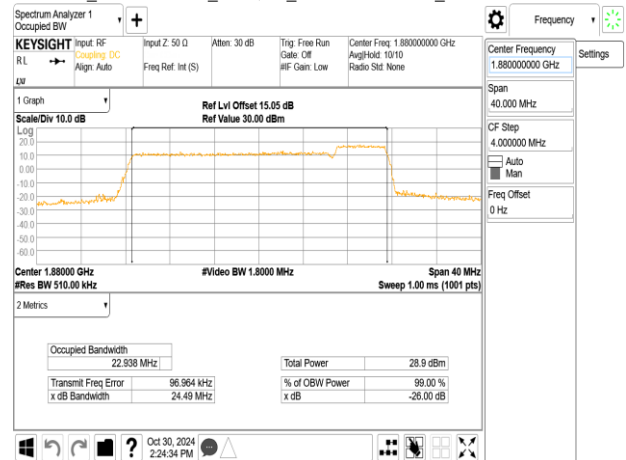
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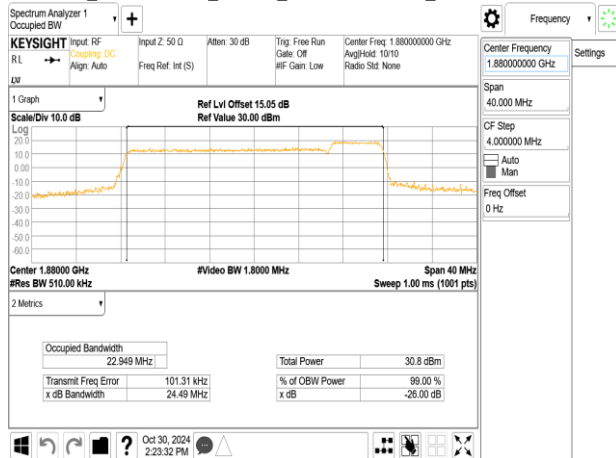
Band2_20MHz+5MHz_QPSK_RB100-0+RB25-0_CH18875+CH18992



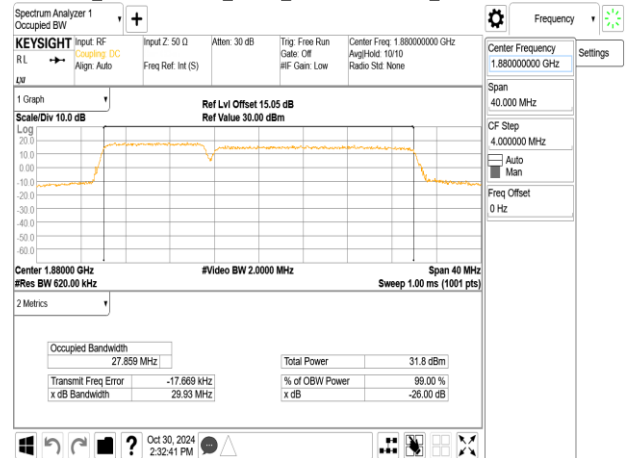
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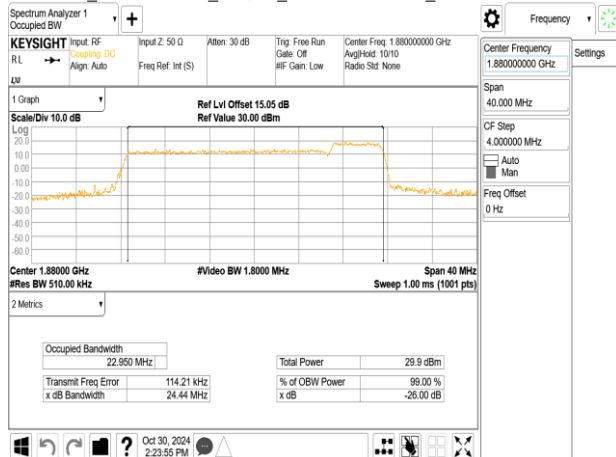
Band2_20MHz+5MHz_16QAM_RB100-0+RB25-0_CH18875+CH18992



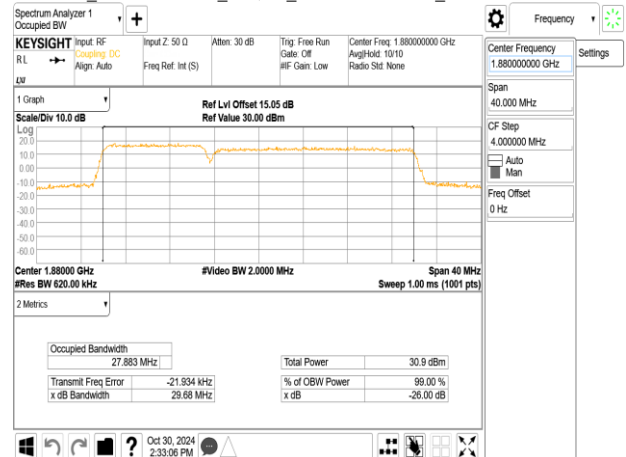
Band2_10MHz+20MHz_QPSK_RB50-0+RB100-0_CH18806+CH18950



Band2_20MHz+5MHz_64QAM_RB100-0+RB25-0_CH18875+CH18992



Band2_10MHz+20MHz_16QAM_RB50-0+RB100-0_CH18806+CH18950

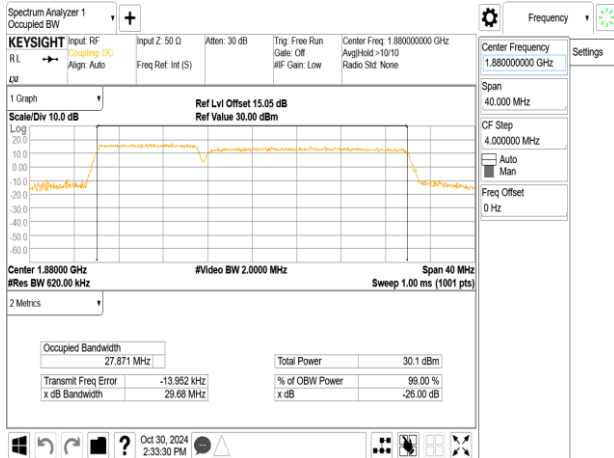


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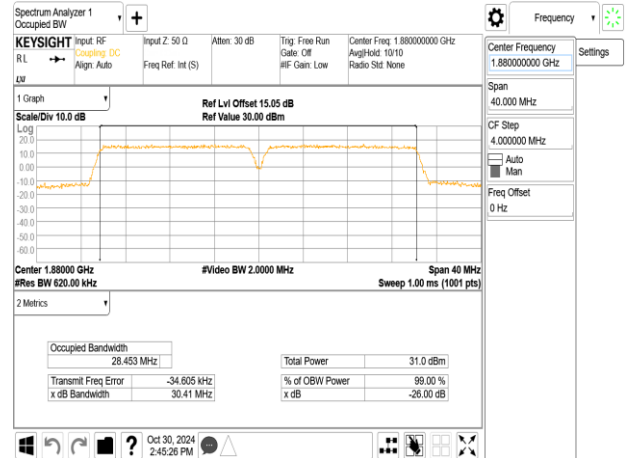
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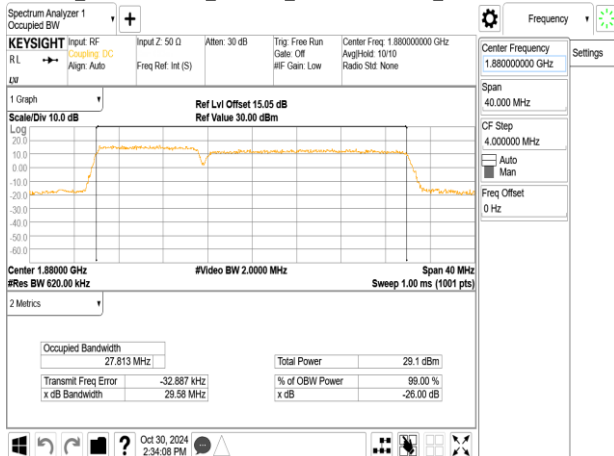
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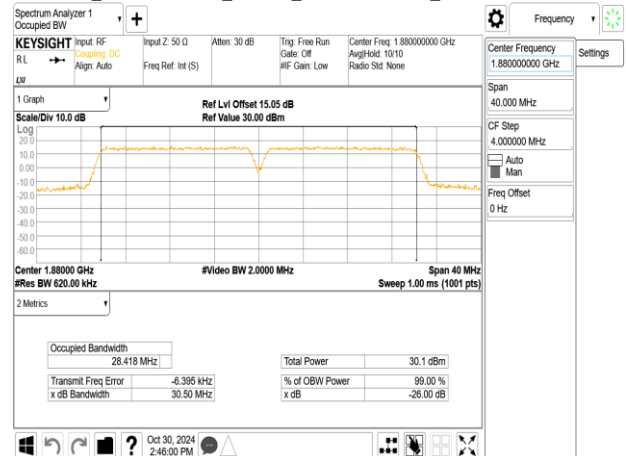
Band2_15MHz+15MHz_16QAM_RB75-0+RB75-0_CH18825+CH18975



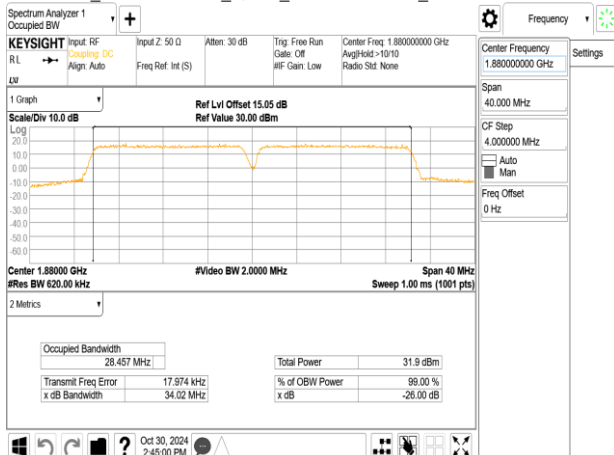
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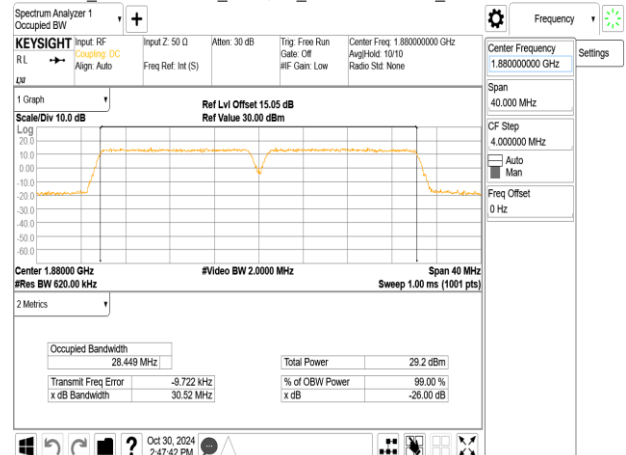
Band2_15MHz+15MHz_64QAM_RB75-0+RB75-0_CH18825+CH18975



Band2_15MHz+15MHz_QPSK_RB75-0+RB75-0_CH18825+CH18975



Band2_15MHz+15MHz_256QAM_RB75-0+RB75-0_CH18825+CH18975

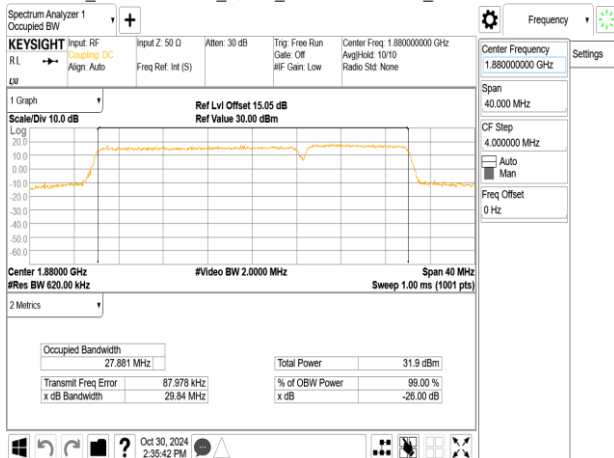


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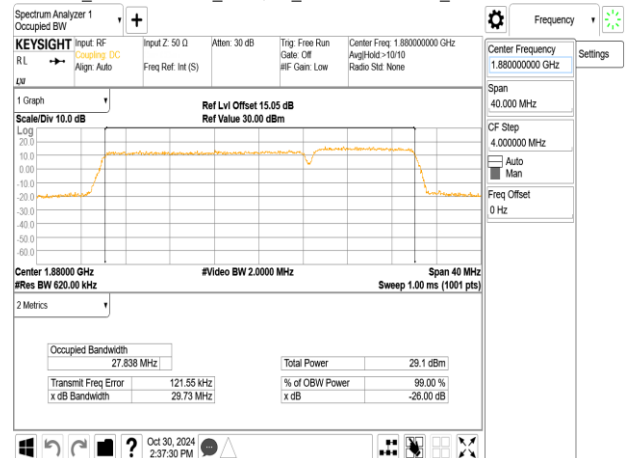
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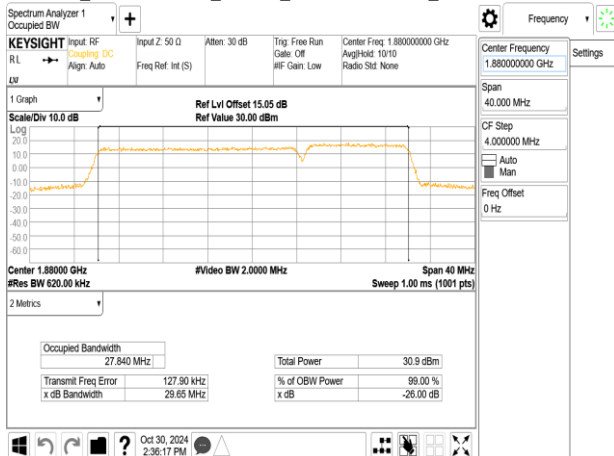
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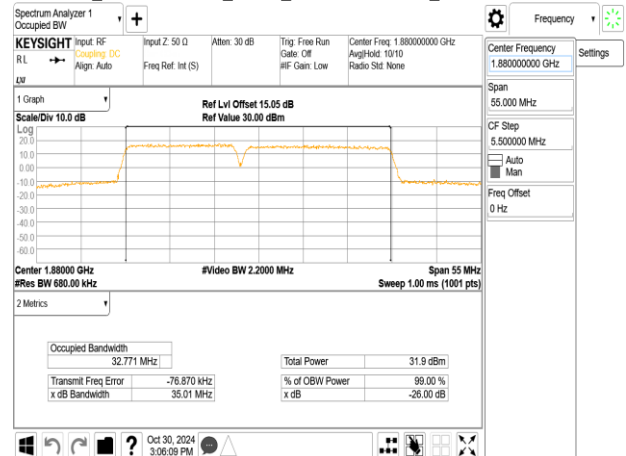
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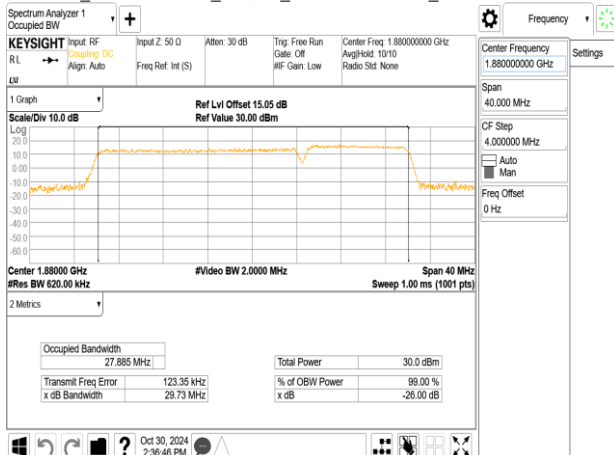
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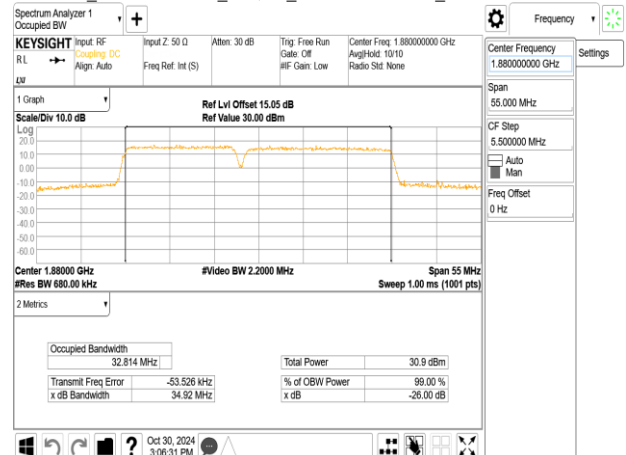
Band2_15MHz+20MHz_QPSK_RB75-0+RB100-0_CH18803+CH18974



Band2_20MHz+10MHz_64QAM_RB100-0+RB50-0_CH18851+CH18995



Band2_15MHz+20MHz_16QAM_RB75-0+RB100-0_CH18803+CH18974

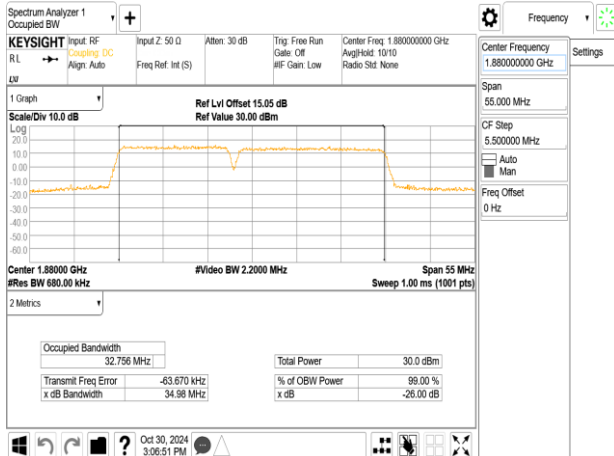


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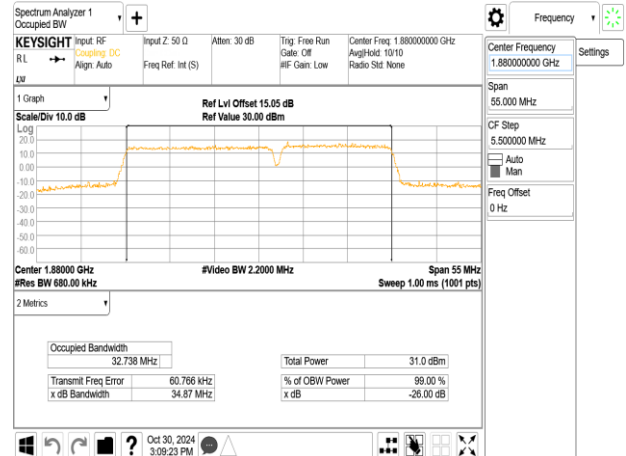
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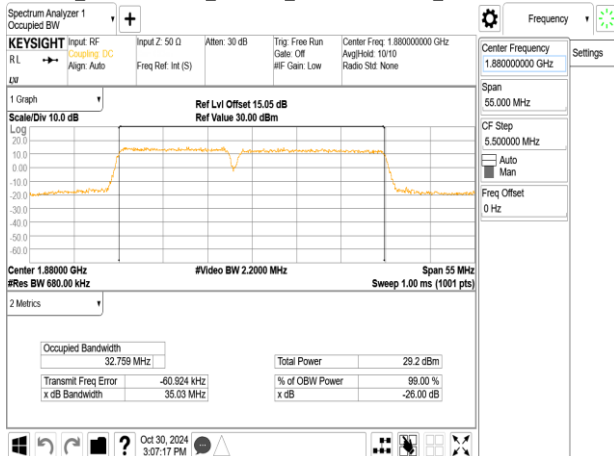
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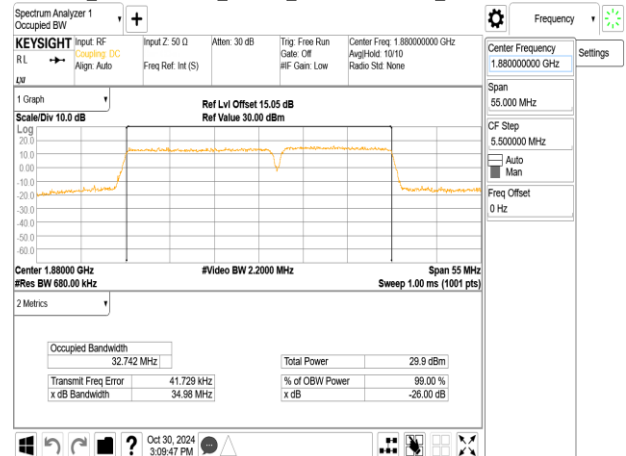
Band2_20MHz+15MHz_16QAM_RB100-0+RB75-0_CH18826+CH18997



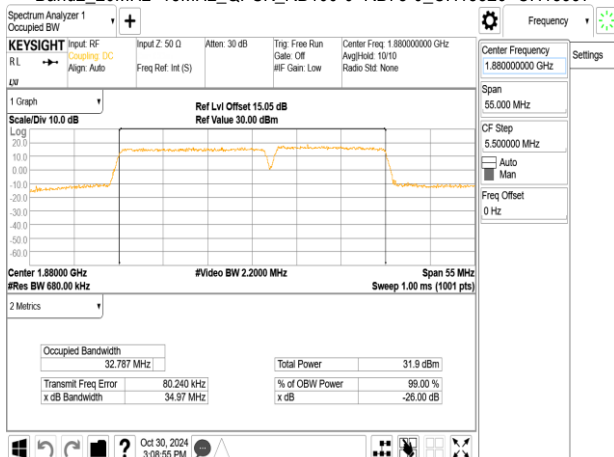
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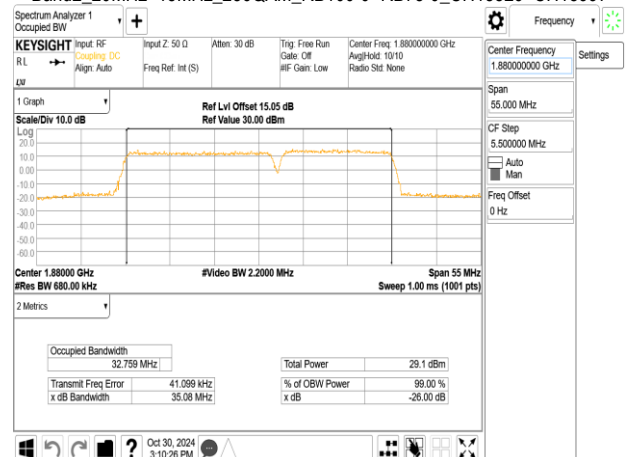
Band2_20MHz+15MHz_64QAM_RB100-0+RB75-0_CH18826+CH18997



Band2_20MHz+15MHz_QPSK_RB100-0+RB75-0_CH18826+CH18997



Band2_20MHz+15MHz_256QAM_RB100-0+RB75-0_CH18826+CH18997

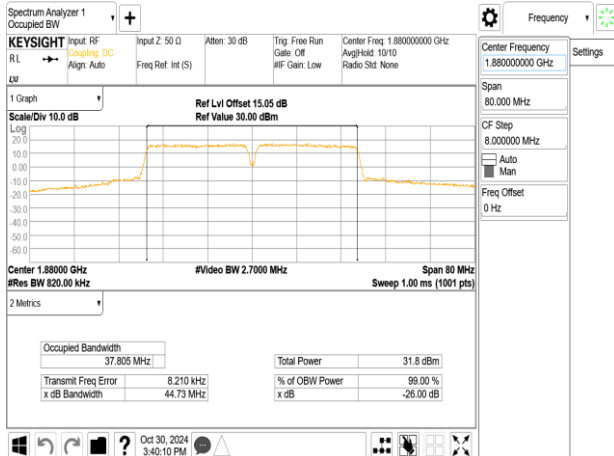


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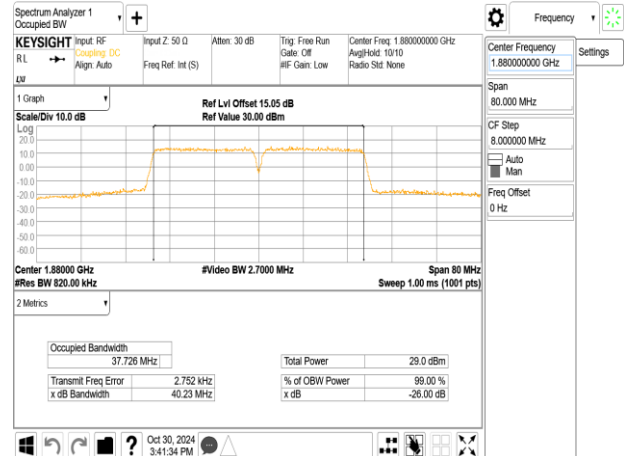
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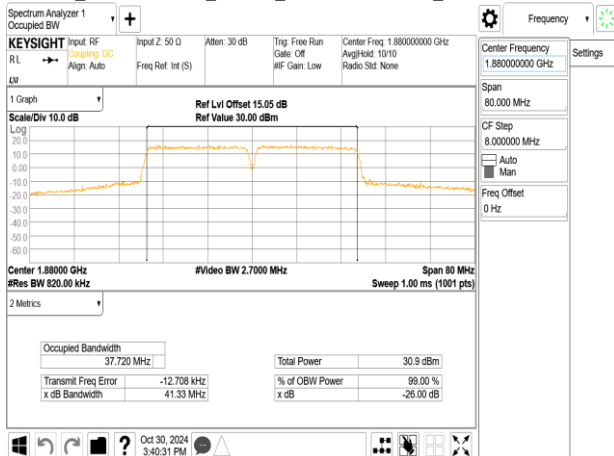
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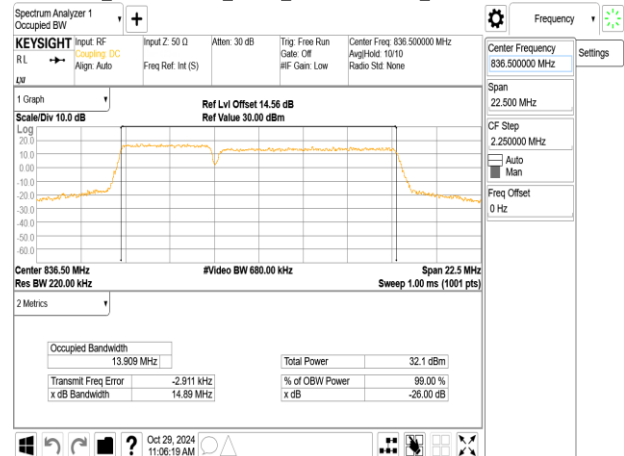
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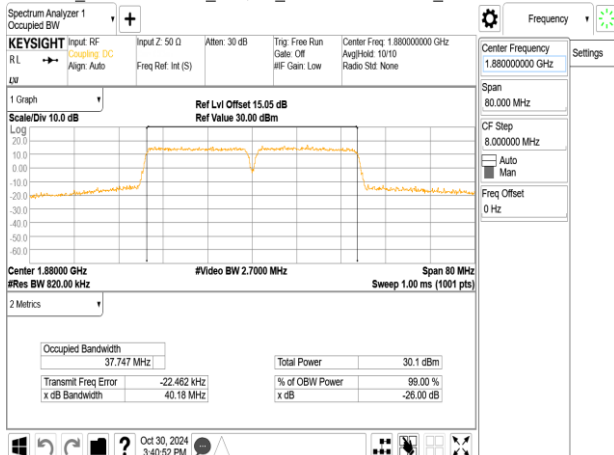
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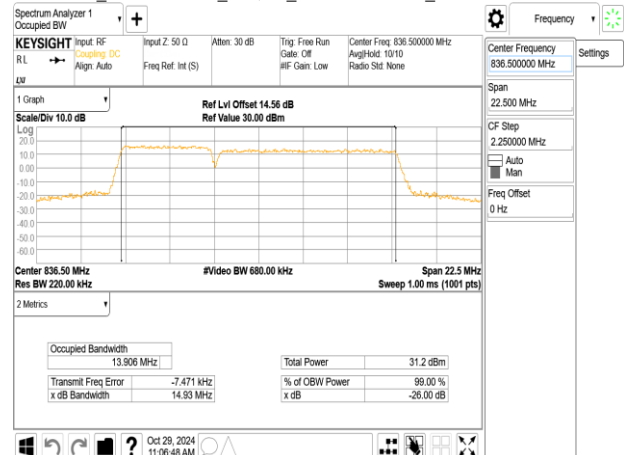
Band5_5MHz+10MHz_QPSK_RB25-0+RB50-0_CH20478+CH20550



Band2_20MHz+20MHz_64QAM_RB100-0+RB100-0_CH18801+CH18999



Band5_5MHz+10MHz_16QAM_RB25-0+RB50-0_CH20478+CH20550

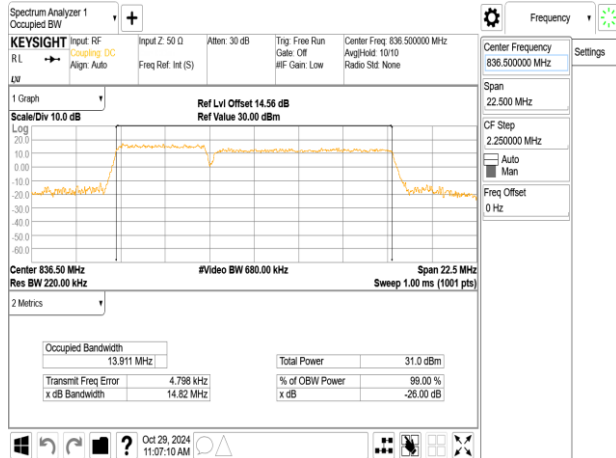


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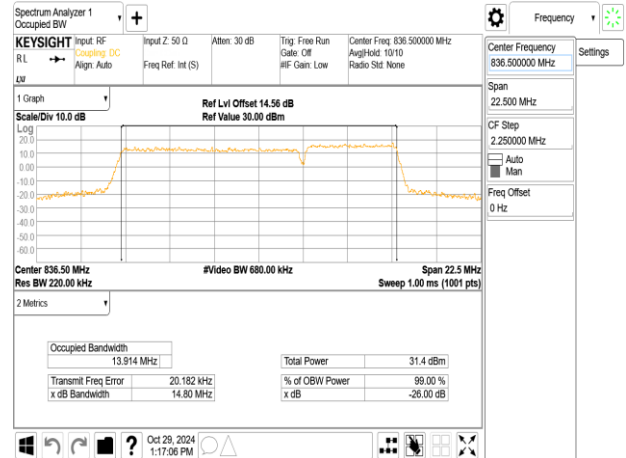
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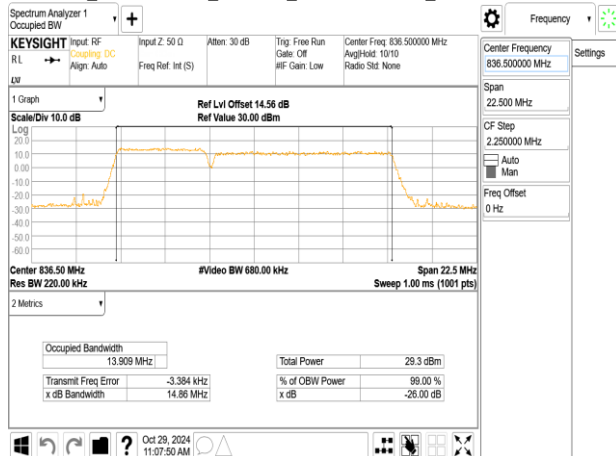
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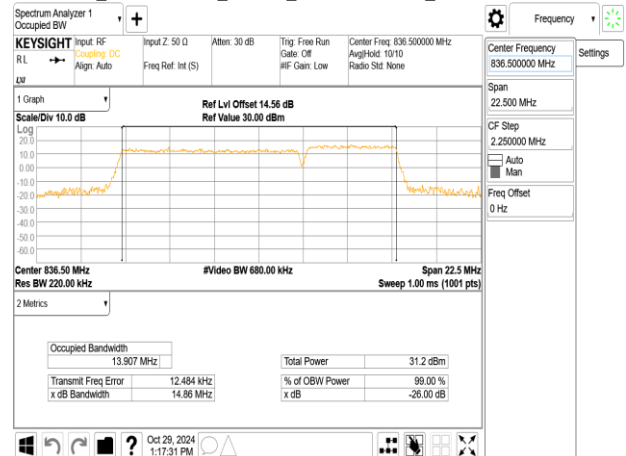
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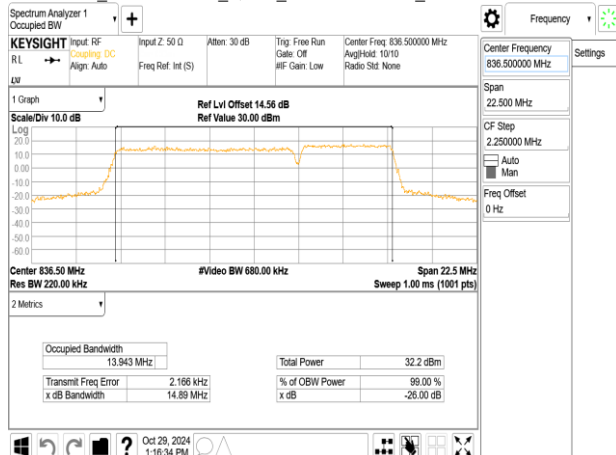
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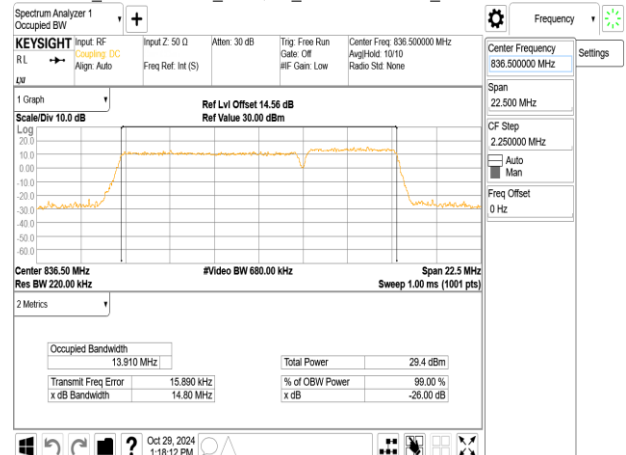
Band5_10MHz+5MHz_64QAM_RB50-0+RB25-0_CH20500+CH20572



Band5_10MHz+5MHz_QPSK_RB50-0+RB25-0_CH20500+CH20572



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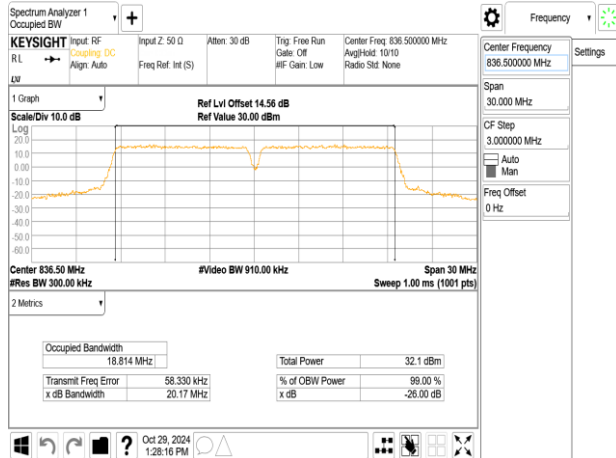


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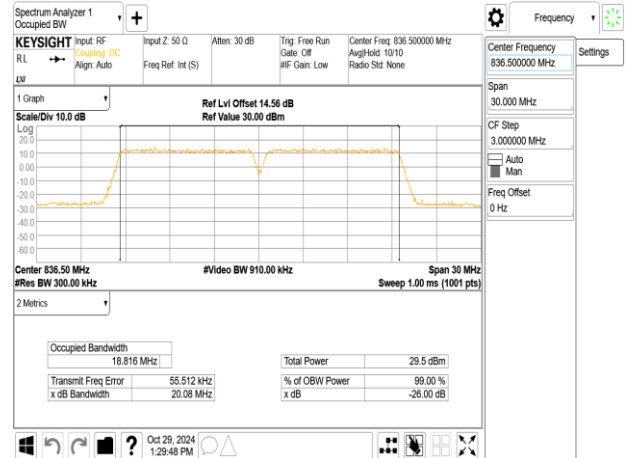
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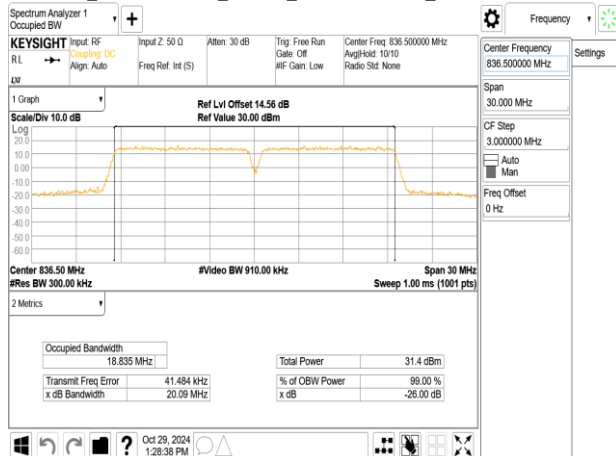
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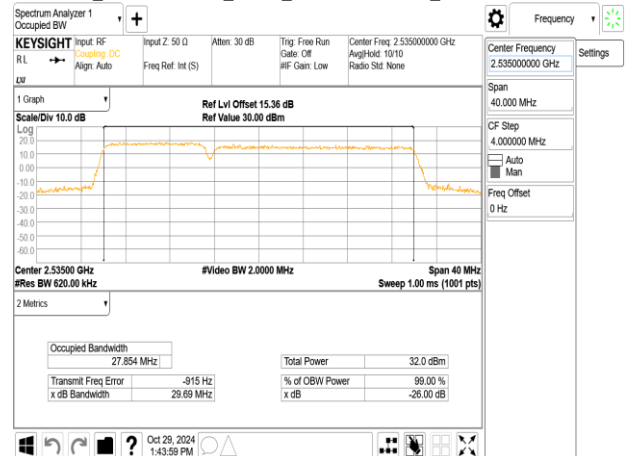
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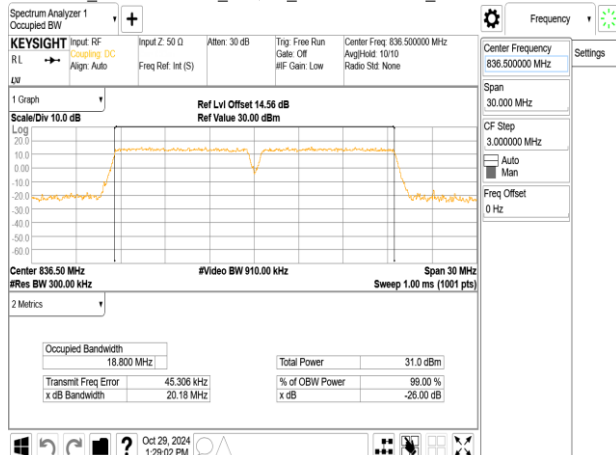
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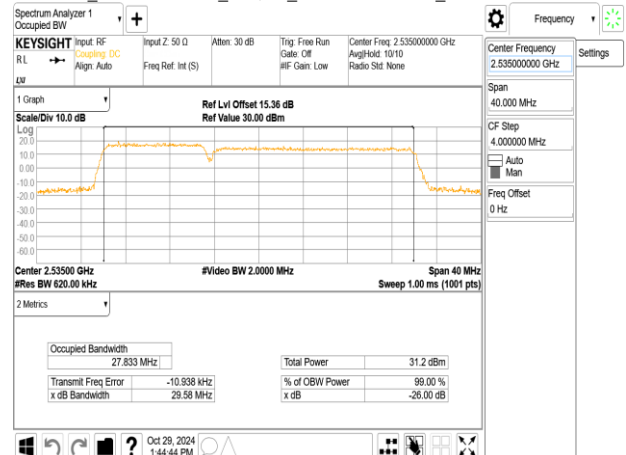
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Band5_10MHz+10MHz_64QAM_RB50-0+RB50-0_CH20476+CH20575



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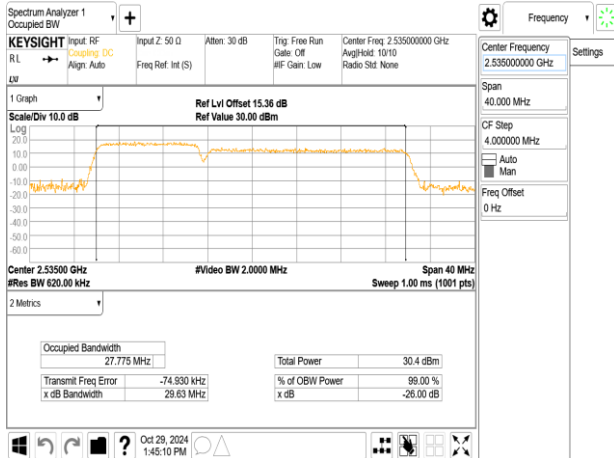


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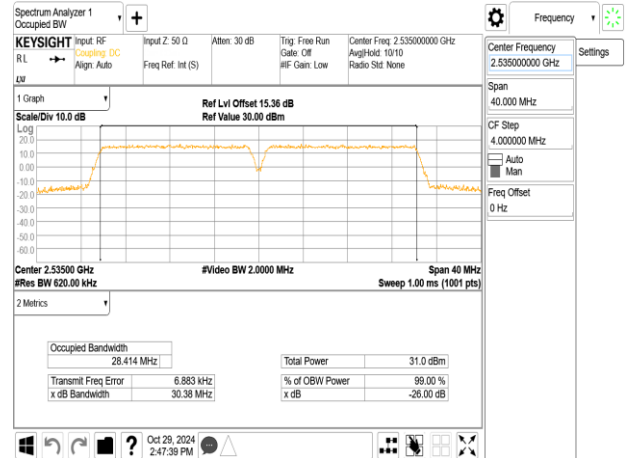
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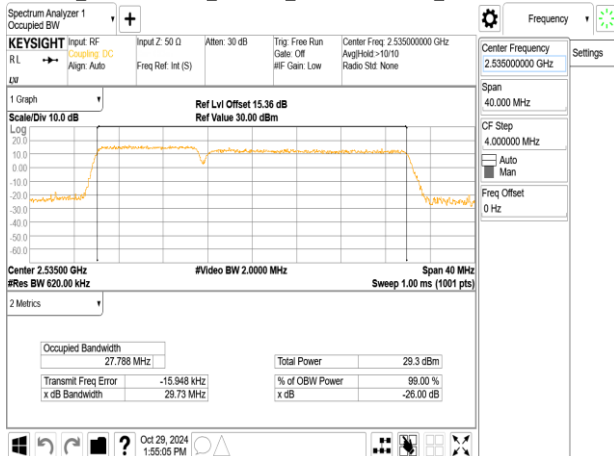
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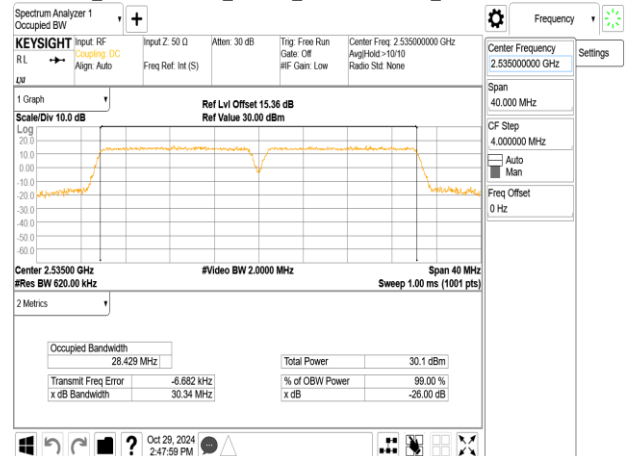
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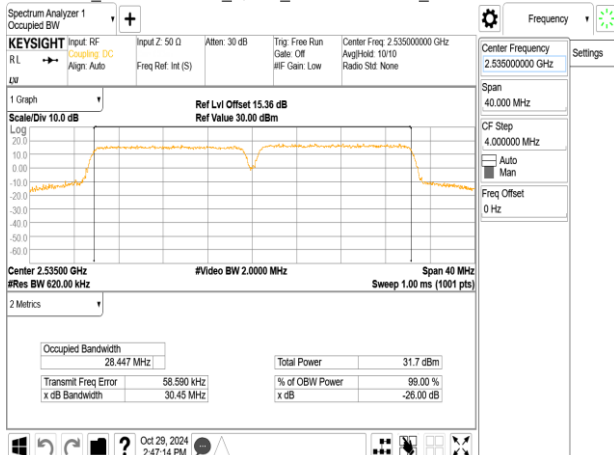
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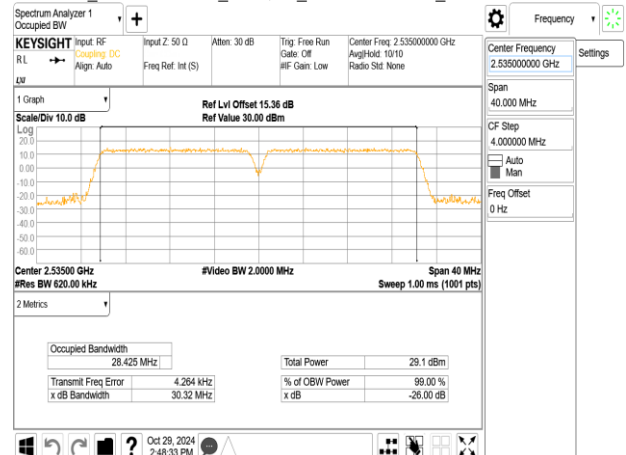
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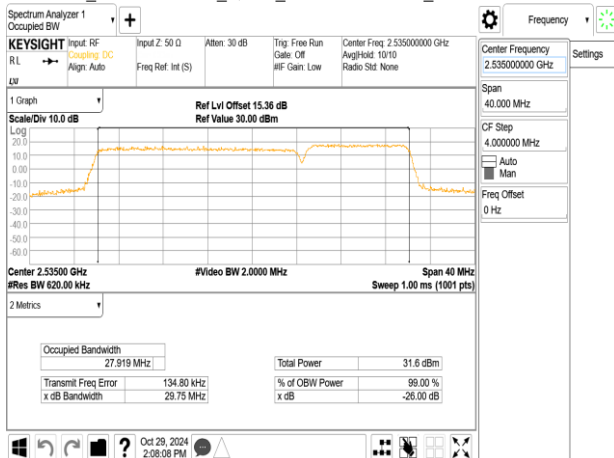


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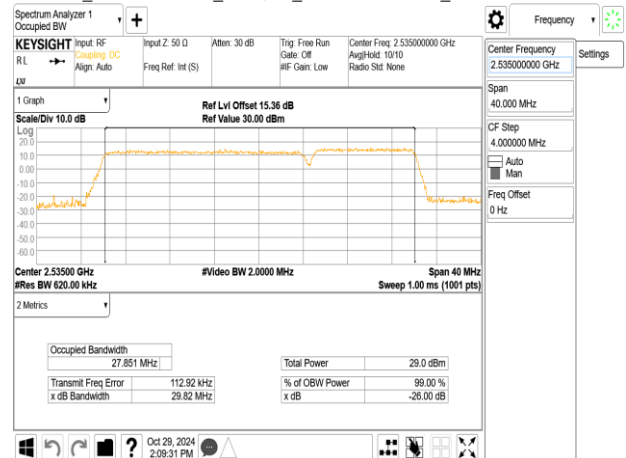
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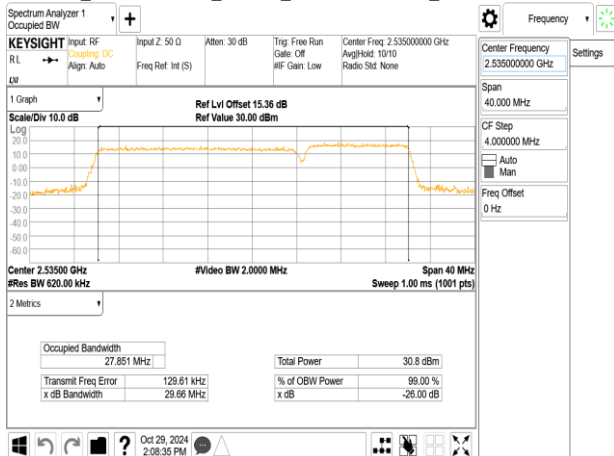
Band7_20MHz+10MHz_QPSK_RB100-0+RB50-0_CH21051+CH21195



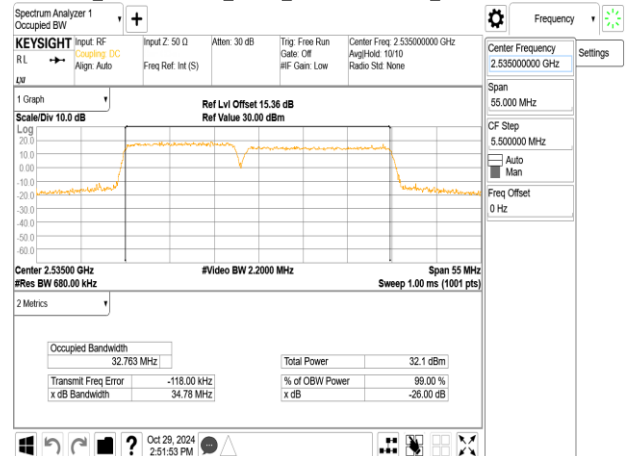
Band7_20MHz+10MHz_256QAM_RB100-0+RB50-0_CH21051+CH21195



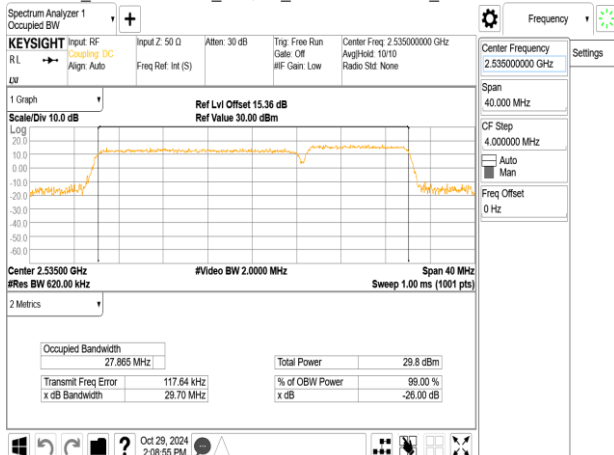
Band7_20MHz+10MHz_16QAM_RB100-0+RB50-0_CH21051+CH21195



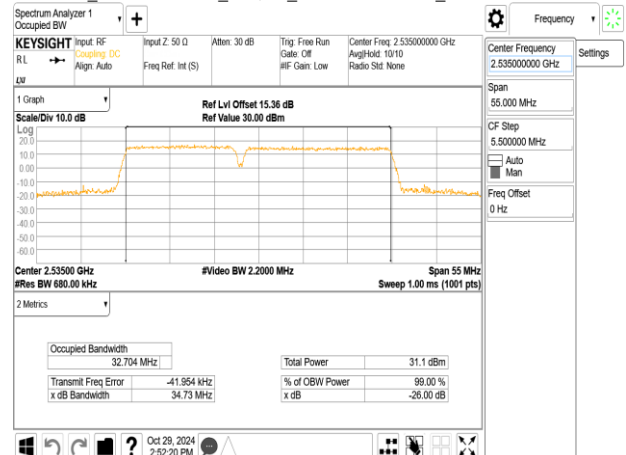
Band7_15MHz+20MHz_QPSK_RB75-0+RB100-0_CH21003+CH21174



Band7_20MHz+10MHz_64QAM_RB100-0+RB50-0_CH21051+CH21195



Band7_15MHz+20MHz_16QAM_RB75-0+RB100-0_CH21003+CH21174



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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