# RF Test Report

| | | |
|---|---|---|
| Applicant | : | PepperlFuchs SE |
| Product Name | : | Phone |
| Trade Name | : | PEPPERL+FUCHS |
| Model Number | : | Smart-Ex 03 |
| Applicable Standard | : | FCC 47 CFR PART 22H<br>FCC 47 CFR PART 24E<br>FCC 47 CFR PART 27<br>FCC 47 CFR PART 90S<br>FCC 47 CFR PART 90R<br>FCC 47 CFR PART 96<br>ANSI C63.26 2015 |
| Received Date | : | Apr. 20, 2023 |
| Test Period | : | Aug. 02 ~ Oct. 22, 2023 |
| Issued Date | : | Nov. 28, 2023 |

**Issued by**

Eurofins E&E Wireless Taiwan Co., Ltd.
No. 140-1, Changan Street, Bade District,
Taoyuan City 334025, Taiwan (R.O.C.)
Tel：+886-3-2710188 / Fax：+886-3-2710190

Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 325 GHz (Bade test site)
Test Firm Registration Number: 226252 (Bade test site)
Test Firm Registration Number: 191812 (Wugu test site)

***Note:***
1.The test results are valid only for samples provided by customers and under the test conditions described in this report.
2.This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3.The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

# Revision History

| Rev. | Issued Date | Description | Revised by |
|---|---|---|---|
| 00 | Nov. 28, 2023 | Initial Issue | Snow Wang |
| | | | |
| | | | |
| | | | |

# Verification of Compliance

| | | |
|---|---|---|
| Applicant | : | PepperlFuchs SE |
| Product Name | : | Phone |
| Trade Name | : | PEPPERL+FUCHS |
| Model Number | : | Smart-Ex 03 |
| FCC ID | : | 2AXZAS03GR01 |
| Applicable Standard | : | FCC 47 CFR PART 22H<br>FCC 47 CFR PART 24E<br>FCC 47 CFR PART 27<br>FCC 47 CFR PART 90S<br>FCC 47 CFR PART 90R<br>FCC 47 CFR PART 96<br>ANSI C63.26 2015 |
| Test Result | : | Complied |
| Performing Lab. | : | Eurofins E&E Wireless Taiwan Co., Ltd.<br>No. 140-1, Changan Street, Bade District,<br>Taoyuan City 334025, Taiwan (R.O.C.)<br>Tel：+886-3-2710188 / Fax：+886-3-2710190<br>Taiwan Accreditation Foundation accreditation number: 1330 |

Testing Laboratory 1330

Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : Kai Yu Yang

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# 1 General Information

## 1.1. Summary of Test Result

| FCC Rule | Description | Result |
|---|---|---|
| §2.1046 | Conducted Output Average Power | Reference |
| §22.913<br>§24.232<br>§27. 50<br>§90.542(Part 90R)<br>§90.635(Part 90S)<br>§96.41(b) | Equivalent Isotropic Radiated Power /<br>Equivalent Radiated Power | Pass |
| §2.1055<br>§22.355<br>§24.235<br>§27. 54 | Frequency Stability | Pass |
| §2.1049 | Emission Bandwidth & Occupied Bandwidth | Reference |
| §24.232<br>§27.50<br>§96.41(g) | Peak to average ratio | Pass |
| §2.1051<br>§22.917<br>§24.238<br>§27.53<br>§90.543(Part 90R)<br>§96.41(e) | Band Edge | Pass |
| §2.1051<br>§22.917<br>§24.238<br>§27.53<br>§90.543(Part 90R)<br>§96.41(e) | Conducted Spurious Emissions | Pass |
| §2.1053<br>§22.917<br>§24.238<br>§27.53<br>§90.543(Part 90R)<br>§96.41(e) | Radiated Spurious Emissions | Pass |
| §96.47 | End user device additional requirements. | Pass |

Decision Rule

■ Uncertainty is not included.

□ Uncertainty is included.

## 1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ■ No. 140-1, Changan Street, Bade District, Taoyuan City 334025, Taiwan (R.O.C.)

Site Address: □ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

## 1.3. Measurement Uncertainty

| Parameter | Uncertainty | |
|---|---|---|
| | BD | WG |
| Conducted Output Average Power | 1.1 dB | 1.1 dB |
| Effective Radiated Power / Equivalent Isotropic Radiated Power | 1.1 dB | 1.1 dB |
| Frequency Stability | 1.4 x $10^{-7}$ x fc (Hz) | 2.0 x $10^{-7}$ x fc (Hz) |
| Emission Bandwidth & Occupied Bandwidth | 4.5 % | 4.5 % |
| Peak to Average Ratio | 1.1 dB | 1.1 dB |
| Band Edge | 1.1 dB | 1.1 dB |
| Conducted Spurious Emission | 1.1 dB | 1.1 dB |

| Parameter | Uncertainty | | | |
|---|---|---|---|---|
| | 96601-BD | 96603-BD | 96602-WG | 96603-WG |
| Radiated Emission | 6.3 dB | 6.3 dB | 6.3 dB | 6.3 dB |

## 1.4. Test Site Environment

| Items | Required (IEC 68-1) | Interval(*) |
|---|---|---|
| Temperature (°C) | 15-35 | 20-30 |
| Humidity (%RH) | 25-75 | 45-75 |

(*)The measurement ambient temperature is within this range.

| Test Setting Condition | | |
|---|---|---|
| L.V. | Low Voltage | AC 102 V |
| N.V. | Normal Voltage | AC 120 V |
| H.V. | High Voltage | AC 138 V |
| L.T. | Low Temperature | -20 °C |
| N.T. | Normal Temperature | +25 °C |
| H.T. | High Temperature | +60 °C |

# 2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity(except E.R.P. /E.I.R.P., Occupied Bandwidth, Emission Designator).

| | | | |
|---|---|---|---|
| Applicant | PepperlFuchs SE<br>Lilienthalstrasse 200, Mannheim Germany | | |
| Product Name | Phone | | |
| Trade Name | PEPPERL+FUCHS | | |
| Model Number | Smart-Ex 03 | | |
| Variants Description | Smart-Ex 03 is provided to the end user in two variants, one with camera features and the other as a non-camera variant. The camera modules are also populated in the non-camera variant; only SW deactivation and assembling physical camera opening covers, which are not metal, are required. Therefore, the testing was completed on the DUT with the camera features only. | | |
| FCC ID | 2AXZAS03GR01 | | |
| Operate Band | Frequency Range (MHz) | Modulation | |
| GSM/GPRS/EGPRS 850 | UL: 824.2 ~ 848.8 | GMSK, 8PSK | |
| | DL: 869.2 ~ 893.8 | | |
| GSM/GPRS/EGPRS 1900 | UL: 1850.2 ~ 1909.8 | GMSK, 8PSK | |
| | DL: 1930.2 ~ 1989.8 | | |
| WCDMA(RMC12.2K)/ HSDPA/HSUPA Band 2 | UL: 1850 ~ 1910 | QPSK, BPSK | |
| | DL: 1930 ~ 1990 | | |
| WCDMA(RMC12.2K)/ HSDPA/HSUPA Band 4 | UL: 1710 ~ 1755 | QPSK, BPSK | |
| | DL: 2110 ~ 2155 | | |
| WCDMA(RMC12.2K)/ HSDPA/HSUPA Band 5 | UL: 824 ~ 849 | QPSK, BPSK | |
| | DL: 869 ~ 894 | | |
| Operate Band | Frequency Range (MHz) | Modulation | Channel Bandwidth |
| LTE Band 2 | UL: 1850 ~ 1910 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | DL: 1930 ~ 1990 | QPSK, 16QAM | |
| LTE Band 4 | UL: 1710 ~ 1755 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | DL: 2110 ~ 2155 | QPSK, 16QAM | |
| LTE Band 5 | UL: 824 ~ 849 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz |
| | DL: 869 ~ 894 | QPSK, 16QAM | |
| LTE Band 7 | UL: 2500 ~ 2570 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | DL: 2620 ~ 2690 | QPSK, 16QAM | |
| LTE Band 12 | UL: 699 ~ 716 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz |
| | DL: 728 ~ 746 | QPSK, 16QAM | |
| LTE Band 13 | UL: 777 ~ 787 | QPSK, 16QAM | 5 MHz, 10 MHz |
| | DL: 746 ~ 756 | QPSK, 16QAM | |

| Operate Band | | Frequency Range (MHz) | Modulation | Channel Bandwidth |
|---|---|---|---|---|
| LTE Band 14(Part 90R) | | UL: 788 ~ 798 | QPSK, 16QAM | 5 MHz, 10 MHz |
| | | DL: 758 ~ 768 | QPSK, 16QAM | |
| LTE Band 25 | | UL: 1850 ~ 1915 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | | DL: 1930 ~ 1995 | QPSK, 16QAM | |
| LTE Band 26(Part 90S) | | UL: 814.7 ~ 823.3 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz |
| | | DL: 859.7 ~ 868.3 | QPSK, 16QAM | |
| LTE Band 26(Part 22) | | UL: 824 ~ 849 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz |
| | | DL: 869 ~ 894 | QPSK, 16QAM | |
| LTE Band 30 | | UL: 2305 ~ 2315 | QPSK, 16QAM | 5 MHz, 10 MHz |
| | | DL: 2350 ~ 2360 | QPSK, 16QAM | |
| LTE Band 38 | | UL/DL: 2570 ~ 2620 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| LTE Band 40 | | UL/DL: 2300 ~ 2400 | QPSK, 16QAM | 5 MHz, 10 MHz |
| LTE Band 41 | | UL/DL: 2496 ~ 2690 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| LTE Band 42 | | UL/DL: 3400 ~ 3600 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| LTE Band 43 | | UL/DL: 3600 ~ 3800 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| LTE Band 48 | | UL/DL: 3550 ~ 3700 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| LTE Band 66 | | UL: 1710 ~ 1780 | QPSK, 16QAM | 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | | DL: 2110 ~ 2200 | QPSK, 16QAM | |
| LTE Band 71 | | UL: 663 ~ 698 | QPSK, 16QAM | 5 MHz, 10 MHz, 15 MHz, 20 MHz |
| | | DL: 617 ~ 652 | QPSK, 16QAM | |
| CA | Intra-band contiguous UL CA | CA_7C<br>CA_66B<br>CA_66C<br>CA_38C<br>CA_41C | | |
| | Inter-band CA (two bands) | CA_2A-4A<br>CA_2A-5A<br>CA_2A-12A<br>CA_2A-13A<br>CA_4A-5A<br>CA_4A-12A<br>CA_4A-13A<br>CA_5A-7A<br>CA_41A-42A | | |
| Operate Temp. Range | | -20 ~ +60 ℃ | | |
| EUT Power Rating | | 3.70 Vdc, 4400 mAh | | |

| Antenna information | | |
|---|---|---|
| Type | Max. Gain (dBi) | |
| PIFA Antennas (LDS technology) | 600-700 MHz | -2.4 |
| | 700-800 MHz | -1.0 |
| | 800-900 MHz | -1.2 |
| | 1700-1800 MHz | 0.5 |
| | 1800-1900 MHz | 2.0 |
| | 1900-2000 MHz | -0.2 |
| | 2300 MHz | 0.9 |
| | 2500-2700 MHz | -0.4 |
| | 3300-3800 MHz | 2.5 |
| | 3800-4200 MHz | -2.9 |
| | 4200-5000 MHz | -4.2 |

| Band | E.R.P. /E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|
| | (dBm) | (W) | | |
| GSM 850 | 28.80 | 0.759 | 0.24642 | 246KGXW |
| GPRS 850 | 28.69 | 0.740 | 0.24533 | 245KG7W |
| EGPRS 850 | 22.67 | 0.185 | 0.24661 | 247KG7W |
| GSM 1900 | 31.9 | 1.531 | 0.24447 | 244KGXW |
| GPRS 1900 | 31.3 | 1.346 | 0.24451 | 245KG7W |
| EGPRS 1900 | 27.3 | 0.541 | 0.24564 | 246KG7W |
| WCDMA(RMC12.2K)/HSDPA/HSUPA Band 2 | 25.54 | 0.358 | 4.1502 | 4M15F9W |
| WCDMA(RMC12.2K)/HSDPA/HSUPA Band 4 | 25.57 | 0.361 | 4.1430 | 4M14F9W |
| WCDMA(RMC12.2K)/HSDPA/HSUPA Band 5 | 20.11 | 0.103 | 4.1557 | 4M16F9W |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 2 | 1.4 MHz | QPSK | 25.08 | 0.322 | 1.0943 | 1M09G7D |
| | | 16QAM | 24.46 | 0.279 | 1.0959 | 1M10W7D |
| | | 64QAM | 23.67 | 0.233 | 1.0926 | 1M09W7D |
| | 3 MHz | QPSK | 25.14 | 0.327 | 2.7024 | 2M70G7D |
| | | 16QAM | 24.45 | 0.279 | 2.6936 | 2M69W7D |
| | | 64QAM | 23.63 | 0.231 | 2.6956 | 2M70W7D |
| | 5 MHz | QPSK | 25.18 | 0.330 | 4.4977 | 4M50G7D |
| | | 16QAM | 24.44 | 0.278 | 4.4988 | 4M50W7D |
| | | 64QAM | 23.69 | 0.234 | 4.5129 | 4M51W7D |
| | 10 MHz | QPSK | 25.10 | 0.324 | 9.0288 | 9M02G7D |
| | | 16QAM | 24.36 | 0.273 | 8.9876 | 9M00W7D |
| | | 64QAM | 23.66 | 0.232 | 9.015 | 9M01W7D |
| | 15 MHz | QPSK | 25.15 | 0.327 | 13.522 | 13M5G7D |
| | | 16QAM | 24.42 | 0.277 | 13.491 | 13M4W7D |
| | | 64QAM | 23.64 | 0.231 | 13.485 | 13M5W7D |
| | 20 MHz | QPSK | 25.20 | 0.331 | 18.100 | 18M1G7D |
| | | 16QAM | 24.41 | 0.276 | 18.021 | 18M0W7D |
| | | 64QAM | 23.66 | 0.232 | 18.007 | 18M0W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 4 | 1.4 MHz | QPSK | 23.74 | 0.237 | 1.0968 | 1M10G7D |
| | | 16QAM | 23.08 | 0.203 | 1.0964 | 1M10W7D |
| | | 64QAM | 22.27 | 0.169 | 1.0920 | 1M09W7D |
| | 3 MHz | QPSK | 23.75 | 0.237 | 2.7025 | 2M70G7D |
| | | 16QAM | 23.06 | 0.202 | 2.6994 | 2M70W7D |
| | | 64QAM | 22.29 | 0.169 | 2.6956 | 2M70W7D |
| | 5 MHz | QPSK | 23.72 | 0.236 | 4.4977 | 4M50G7D |
| | | 16QAM | 23.02 | 0.200 | 4.4987 | 4M50W7D |
| | | 64QAM | 22.30 | 0.170 | 4.5114 | 4M51W7D |
| | 10 MHz | QPSK | 23.71 | 0.235 | 9.0326 | 9M03G7D |
| | | 16QAM | 23.07 | 0.203 | 8.9806 | 9M00W7D |
| | | 64QAM | 22.25 | 0.168 | 9.0107 | 9M01W7D |
| | 15 MHz | QPSK | 23.73 | 0.236 | 13.519 | 13M5G7D |
| | | 16QAM | 23.12 | 0.205 | 13.493 | 13M5W7D |
| | | 64QAM | 22.22 | 0.167 | 13.485 | 13M5W7D |
| | 20 MHz | QPSK | 23.77 | 0.238 | 18.094 | 18M1G7D |
| | | 16QAM | 23.06 | 0.202 | 18.017 | 18M0W7D |
| | | 64QAM | 22.27 | 0.169 | 18.026 | 18M0W7D |
| LTE Band 5 | 1.4 MHz | QPSK | 19.82 | 0.096 | 1.0901 | 1M09G7D |
| | | 16QAM | 19.18 | 0.083 | 1.0883 | 1M09W7D |
| | | 64QAM | 18.48 | 0.070 | 1.0881 | 1M09W7D |
| | 3 MHz | QPSK | 19.88 | 0.097 | 2.705 | 2M70G7D |
| | | 16QAM | 19.19 | 0.083 | 2.6896 | 2M69W7D |
| | | 64QAM | 18.48 | 0.070 | 2.6966 | 2M70W7D |
| | 5 MHz | QPSK | 19.83 | 0.096 | 4.5069 | 4M51G7D |
| | | 16QAM | 19.21 | 0.083 | 4.5224 | 4M52W7D |
| | | 64QAM | 18.45 | 0.070 | 4.5046 | 4M50W7D |
| | 10 MHz | QPSK | 19.90 | 0.098 | 9.0021 | 9M00G7D |
| | | 16QAM | 19.18 | 0.083 | 9.0226 | 9M02W7D |
| | | 64QAM | 18.43 | 0.070 | 9.0028 | 9M01W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 7 | 5 MHz | QPSK | 22.66 | 0.185 | 4.5209 | 4M52G7D |
| | | 16QAM | 21.91 | 0.155 | 4.5069 | 4M51W7D |
| | | 64QAM | 21.15 | 0.130 | 9.0158 | 4M51W7D |
| | 10 MHz | QPSK | 22.64 | 0.184 | 9.0190 | 9M02G7D |
| | | 16QAM | 21.92 | 0.156 | 9.0396 | 9M04W7D |
| | | 64QAM | 21.17 | 0.131 | 9.0211 | 9M02W7D |
| | 15 MHz | QPSK | 22.61 | 0.182 | 13.508 | 13M5G7D |
| | | 16QAM | 21.90 | 0.155 | 13.512 | 13M5W7D |
| | | 64QAM | 21.16 | 0.131 | 13.489 | 13M5W7D |
| | 20 MHz | QPSK | 22.69 | 0.186 | 17.999 | 18M0G7D |
| | | 16QAM | 21.97 | 0.157 | 18.004 | 18M0W7D |
| | | 64QAM | 21.18 | 0.131 | 17.991 | 18M0W7D |
| LTE Band 12 | 1.4 MHz | QPSK | 18.64 | 0.073 | 1.0901 | 1M09G7D |
| | | 16QAM | 17.98 | 0.063 | 1.0996 | 1M10W7D |
| | | 64QAM | 17.22 | 0.053 | 1.0890 | 1M09W7D |
| | 3 MHz | QPSK | 18.66 | 0.073 | 2.7045 | 2M70G7D |
| | | 16QAM | 17.98 | 0.063 | 2.6963 | 2M70W7D |
| | | 64QAM | 17.22 | 0.053 | 2.7001 | 2M70W7D |
| | 5 MHz | QPSK | 18.69 | 0.074 | 4.5033 | 4M50G7D |
| | | 16QAM | 17.98 | 0.063 | 4.5155 | 4M52W7D |
| | | 64QAM | 17.18 | 0.052 | 4.5033 | 4M50W7D |
| | 10 MHz | QPSK | 18.73 | 0.075 | 9.0023 | 9M00G7D |
| | | 16QAM | 18.05 | 0.064 | 9.0197 | 9M02W7D |
| | | 64QAM | 17.23 | 0.053 | 9.0024 | 9M02W7D |
| LTE Band 13 | 5 MHz | QPSK | 20.14 | 0.103 | 4.5125 | 4M51G7D |
| | | 16QAM | 19.39 | 0.087 | 4.5257 | 4M53W7D |
| | | 64QAM | 18.62 | 0.073 | 4.5088 | 4M51W7D |
| | 10 MHz | QPSK | 20.16 | 0.104 | 8.974 | 9M00G7D |
| | | 16QAM | 19.38 | 0.087 | 8.9943 | 9M00W7D |
| | | 64QAM | 18.60 | 0.072 | 8.9849 | 9M00W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 14 | 5 MHz | QPSK | 20.11 | 0.103 | 4.5076 | 4M51G7D |
| | | 16QAM | 19.42 | 0.087 | 4.5220 | 4M52W7D |
| | | 64QAM | 18.65 | 0.073 | 4.5068 | 4M51W7D |
| | 10 MHz | QPSK | 20.14 | 0.103 | 9.0045 | 9M00G7D |
| | | 16QAM | 19.38 | 0.087 | 9.0254 | 9M03W7D |
| | | 64QAM | 18.60 | 0.072 | 9.0043 | 9M00W7D |
| LTE Band 25 | 1.4 MHz | QPSK | 25.24 | 0.334 | 1.0922 | 1M09G7D |
| | | 16QAM | 24.51 | 0.282 | 1.0937 | 1M09W7D |
| | | 64QAM | 23.79 | 0.239 | 1.0901 | 1M09W7D |
| | 3 MHz | QPSK | 25.22 | 0.333 | 2.7056 | 2M71G7D |
| | | 16QAM | 24.42 | 0.277 | 2.6915 | 2M69W7D |
| | | 64QAM | 23.82 | 0.241 | 2.6968 | 2M70W7D |
| | 5 MHz | QPSK | 25.25 | 0.335 | 4.5083 | 4M51G7D |
| | | 16QAM | 24.53 | 0.284 | 4.5242 | 4M50W7D |
| | | 64QAM | 23.81 | 0.240 | 4.5080 | 4M51W7D |
| | 10 MHz | QPSK | 25.23 | 0.333 | 9.0291 | 9M03G7D |
| | | 16QAM | 24.58 | 0.287 | 9.0373 | 9M04W7D |
| | | 64QAM | 23.82 | 0.241 | 9.0266 | 9M03W7D |
| | 15 MHz | QPSK | 25.26 | 0.336 | 13.565 | 13M57G7D |
| | | 16QAM | 24.47 | 0.280 | 13.502 | 13M50W7D |
| | | 64QAM | 23.82 | 0.241 | 13.498 | 13M50W7D |
| | 20 MHz | QPSK | 25.29 | 0.338 | 18.084 | 18M09G7D |
| | | 16QAM | 24.46 | 0.279 | 17.998 | 18M00W7D |
| | | 64QAM | 23.76 | 0.238 | 17.985 | 18M00W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 26 814~824MHz | 1.4 MHz | QPSK | 19.82 | 0.096 | 1.0899 | 1M09G7D |
| | | 16QAM | 19.15 | 0.082 | 1.0889 | 1M09W7D |
| | | 64QAM | 18.44 | 0.070 | 1.0879 | 1M09W7D |
| | 3 MHz | QPSK | 19.84 | 0.096 | 2.7046 | 2M71G7D |
| | | 16QAM | 19.15 | 0.082 | 2.7097 | 2M71W7D |
| | | 64QAM | 18.45 | 0.070 | 2.6957 | 2M70W7D |
| | 5 MHz | QPSK | 19.85 | 0.097 | 4.5056 | 4M51G7D |
| | | 16QAM | 19.10 | 0.081 | 4.5195 | 4M52W7D |
| | | 64QAM | 18.44 | 0.070 | 4.5061 | 4M51W7D |
| | 10 MHz | QPSK | 19.88 | 0.097 | 8.9949 | 9M00G7D |
| | | 16QAM | 19.21 | 0.083 | 9.0179 | 9M02W7D |
| | | 64QAM | 18.42 | 0.070 | 8.9967 | 9M00W7D |
| LTE Band 26 824~849MHz | 1.4 MHz | QPSK | 19.83 | 0.096 | 1.0900 | 1M09G7D |
| | | 16QAM | 19.23 | 0.084 | 1.0886 | 1M09W7D |
| | | 64QAM | 18.39 | 0.069 | 1.0882 | 1M09W7D |
| | 3 MHz | QPSK | 19.86 | 0.097 | 2.7053 | 2M71G7D |
| | | 16QAM | 19.14 | 0.082 | 2.6908 | 2M69W7D |
| | | 64QAM | 18.45 | 0.070 | 2.7004 | 2M70W7D |
| | 5 MHz | QPSK | 19.88 | 0.097 | 4.5186 | 4M52G7D |
| | | 16QAM | 19.09 | 0.081 | 4.5219 | 4M52W7D |
| | | 64QAM | 18.45 | 0.070 | 4.5059 | 4M51W7D |
| | 10 MHz | QPSK | 19.89 | 0.097 | 9.0028 | 9M00G7D |
| | | 16QAM | 19.13 | 0.082 | 9.0185 | 9M02W7D |
| | | 64QAM | 18.38 | 0.069 | 9.0024 | 9M02W7D |
| | 15 MHz | QPSK | 19.90 | 0.098 | 13.474 | 13M5G7D |
| | | 16QAM | 19.14 | 0.082 | 13.469 | 13M5W7D |
| | | 64QAM | 18.46 | 0.070 | 13.463 | 13M5W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 30 | 5 MHz | QPSK | 21.96 | 0.157 | 4.5081 | 4M51G7D |
| | | 16QAM | 21.24 | 0.133 | 4.5230 | 4M52W7D |
| | | 64QAM | 20.57 | 0.114 | 4.5064 | 4M51W7D |
| | 10 MHz | QPSK | 21.97 | 0.157 | 9.0141 | 9M01G7D |
| | | 16QAM | 21.20 | 0.132 | 9.0372 | 9M04W7D |
| | | 64QAM | 20.57 | 0.114 | 9.0160 | 9M02W7D |
| LTE Band 38 | 5 MHz | QPSK | 22.56 | 0.180 | 4.5112 | 4M51G7D |
| | | 16QAM | 21.82 | 0.152 | 4.5311 | 4M53W7D |
| | | 64QAM | 21.04 | 0.127 | 4.5058 | 4M51W7D |
| | 10 MHz | QPSK | 22.50 | 0.178 | 9.0254 | 9M03G7D |
| | | 16QAM | 21.76 | 0.150 | 9.0066 | 9M01W7D |
| | | 64QAM | 21.08 | 0.128 | 9.0304 | 9M03W7D |
| | 15 MHz | QPSK | 22.52 | 0.179 | 13.517 | 13M5G7D |
| | | 16QAM | 21.80 | 0.151 | 13.513 | 13M5W7D |
| | | 64QAM | 21.06 | 0.128 | 13.542 | 13M5W7D |
| | 20 MHz | QPSK | 22.58 | 0.181 | 18.015 | 18M0G7D |
| | | 16QAM | 21.90 | 0.155 | 18.036 | 18M0W7D |
| | | 64QAM | 21.06 | 0.128 | 18.030 | 18M0W7D |
| LTE Band 40 2305~2315MHz | 5 MHz | QPSK | 21.99 | 0.158 | 4.5101 | 4M51G7D |
| | | 16QAM | 21.35 | 0.136 | 4.5292 | 4M53W7D |
| | | 64QAM | 20.56 | 0.114 | 4.5158 | 4M52W7D |
| | 10 MHz | QPSK | 22.03 | 0.160 | 9.0295 | 9M03G7D |
| | | 16QAM | 21.27 | 0.134 | 8.9999 | 9M00W7D |
| | | 64QAM | 20.51 | 0.112 | 9.0155 | 9M02W7D |
| LTE Band 40 2350~2360MHz | 5 MHz | QPSK | 21.95 | 0.157 | 4.5121 | 4M51G7D |
| | | 16QAM | 21.26 | 0.134 | 4.5289 | 4M53W7D |
| | | 64QAM | 20.49 | 0.112 | 4.5052 | 4M51W7D |
| | 10 MHz | QPSK | 21.97 | 0.157 | 9.0223 | 9M02G7D |
| | | 16QAM | 21.19 | 0.132 | 9.0061 | 9M01W7D |
| | | 64QAM | 20.36 | 0.109 | 9.0174 | 9M02W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 41 | 5 MHz | QPSK | 22.52 | 0.179 | 4.5161 | 4M52G7D |
| | | 16QAM | 21.84 | 0.153 | 4.5291 | 4M53W7D |
| | | 64QAM | 21.07 | 0.128 | 4.5065 | 4M51W7D |
| | 10 MHz | QPSK | 22.54 | 0.179 | 9.0248 | 9M03G7D |
| | | 16QAM | 21.86 | 0.153 | 9.0051 | 9M01W7D |
| | | 64QAM | 21.10 | 0.129 | 9.0192 | 9M02W7D |
| | 15 MHz | QPSK | 22.51 | 0.178 | 13.526 | 13M5G7D |
| | | 16QAM | 21.87 | 0.154 | 13.512 | 13M5W7D |
| | | 64QAM | 21.08 | 0.128 | 13.532 | 13M5W7D |
| | 20 MHz | QPSK | 22.61 | 0.182 | 18.023 | 18M0G7D |
| | | 16QAM | 21.89 | 0.155 | 18.027 | 18M0W7D |
| | | 64QAM | 21.12 | 0.129 | 18.025 | 18M0W7D |
| LTE Band 42 3450~3550MHz | 5 MHz | QPSK | 20.35 | 0.108 | 4.5106 | 4M51G7D |
| | | 16QAM | 20.30 | 0.107 | 4.5292 | 4M53W7D |
| | | 64QAM | 19.94 | 0.099 | 4.5053 | 4M51W7D |
| | 10 MHz | QPSK | 20.34 | 0.108 | 9.0217 | 9M02G7D |
| | | 16QAM | 20.27 | 0.106 | 8.9989 | 9M00W7D |
| | | 64QAM | 19.89 | 0.097 | 9.0248 | 9M02W7D |
| | 15 MHz | QPSK | 20.33 | 0.108 | 13.508 | 13M5G7D |
| | | 16QAM | 20.29 | 0.107 | 13.521 | 13M5W7D |
| | | 64QAM | 19.92 | 0.098 | 13.536 | 13M5W7D |
| | 20 MHz | QPSK | 20.38 | 0.109 | 18.028 | 18M0G7D |
| | | 16QAM | 20.29 | 0.107 | 18.028 | 18M0W7D |
| | | 64QAM | 19.94 | 0.099 | 18.020 | 18M0W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 42 3550~3600MHz | 5 MHz | QPSK | 20.35 | 0.108 | 4.5086 | 4M51G7D |
| | | 16QAM | 20.29 | 0.107 | 4.5122 | 4M51W7D |
| | | 64QAM | 19.88 | 0.097 | 4.5088 | 4M51W7D |
| | 10 MHz | QPSK | 20.33 | 0.108 | 9.0520 | 9M05G7D |
| | | 16QAM | 20.26 | 0.106 | 8.9927 | 9M00W7D |
| | | 64QAM | 19.89 | 0.097 | 8.9994 | 9M00W7D |
| | 15 MHz | QPSK | 20.32 | 0.108 | 13.558 | 13M6G7D |
| | | 16QAM | 20.27 | 0.106 | 13.525 | 13M5W7D |
| | | 64QAM | 19.85 | 0.097 | 13.562 | 13M6W7D |
| | 20 MHz | QPSK | 20.37 | 0.109 | 18.050 | 18M1G7D |
| | | 16QAM | 20.25 | 0.106 | 18.027 | 18M0W7D |
| | | 64QAM | 19.93 | 0.098 | 18.021 | 18M0W7D |
| LTE Band 43 3600~3700MHz | 5 MHz | QPSK | 20.38 | 0.109 | 4.5043 | 4M51G7D |
| | | 16QAM | 20.25 | 0.106 | 4.5134 | 4M51W7D |
| | | 64QAM | 19.81 | 0.096 | 4.5033 | 4M50W7D |
| | 10 MHz | QPSK | 20.36 | 0.109 | 9.0523 | 9M05G7D |
| | | 16QAM | 20.24 | 0.106 | 8.9962 | 9M00W7D |
| | | 64QAM | 19.83 | 0.096 | 9.0006 | 9M00W7D |
| | 15 MHz | QPSK | 20.37 | 0.109 | 13.568 | 13M6G7D |
| | | 16QAM | 20.23 | 0.105 | 13.525 | 13M5W7D |
| | | 64QAM | 19.80 | 0.095 | 13.557 | 13M6W7D |
| | 20 MHz | QPSK | 20.40 | 0.110 | 18.042 | 18M0G7D |
| | | 16QAM | 20.33 | 0.108 | 18.021 | 18M0W7D |
| | | 64QAM | 19.80 | 0.095 | 18.014 | 18M0W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 48 | 5 MHz | QPSK | 20.41 | 0.110 | 4.5056 | 4M51G7D |
| | | 16QAM | 20.37 | 0.109 | 4.5147 | 4M51W7D |
| | | 64QAM | 19.93 | 0.098 | 4.5037 | 4M50W7D |
| | 10 MHz | QPSK | 20.36 | 0.109 | 9.0532 | 9M05G7D |
| | | 16QAM | 20.36 | 0.109 | 8.9938 | 9M00W7D |
| | | 64QAM | 19.96 | 0.099 | 9.0027 | 9M00W7D |
| | 15 MHz | QPSK | 20.37 | 0.109 | 13.555 | 13M6G7D |
| | | 16QAM | 20.35 | 0.108 | 13.525 | 13M5W7D |
| | | 64QAM | 19.91 | 0.098 | 13.558 | 13M6W7D |
| | 20 MHz | QPSK | 20.42 | 0.110 | 18.051 | 18M1G7D |
| | | 16QAM | 20.41 | 0.110 | 18.026 | 18M0W7D |
| | | 64QAM | 19.94 | 0.099 | 18.021 | 18M0W7D |
| LTE Band 66 | 1.4 MHz | QPSK | 23.75 | 0.237 | 1.0904 | 1M09G7D |
| | | 16QAM | 23.03 | 0.201 | 1.0954 | 1M10W7D |
| | | 64QAM | 22.23 | 0.167 | 1.0925 | 1M09W7D |
| | 3 MHz | QPSK | 23.74 | 0.237 | 2.7028 | 2M70G7D |
| | | 16QAM | 23.05 | 0.202 | 2.6977 | 2M70W7D |
| | | 64QAM | 22.25 | 0.168 | 2.6957 | 2M70W7D |
| | 5 MHz | QPSK | 23.73 | 0.236 | 4.4973 | 4M50G7D |
| | | 16QAM | 23.09 | 0.204 | 4.4977 | 4M50W7D |
| | | 64QAM | 22.27 | 0.169 | 4.5115 | 4M51W7D |
| | 10 MHz | QPSK | 23.76 | 0.238 | 9.0335 | 9M03G7D |
| | | 16QAM | 23.07 | 0.203 | 8.9986 | 9M00W7D |
| | | 64QAM | 22.24 | 0.167 | 9.0143 | 9M01W7D |
| | 15 MHz | QPSK | 23.74 | 0.237 | 13.523 | 13M5G7D |
| | | 16QAM | 23.03 | 0.201 | 13.494 | 13M5W7D |
| | | 64QAM | 22.29 | 0.169 | 13.486 | 13M5W7D |
| | 20 MHz | QPSK | 23.79 | 0.239 | 18.113 | 18M1G7D |
| | | 16QAM | 23.03 | 0.201 | 18.021 | 18M0W7D |
| | | 64QAM | 22.23 | 0.167 | 18.033 | 18M0W7D |

| Band | Channel Bandwidth | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| LTE Band 71 | 5 MHz | QPSK | 18.68 | 0.074 | 4.4937 | 4M50G7D |
| | | 16QAM | 18.00 | 0.063 | 4.4967 | 4M50W7D |
| | | 64QAM | 17.27 | 0.053 | 4.511 | 4M51W7D |
| | 10 MHz | QPSK | 18.69 | 0.074 | 9.0024 | 9M00G7D |
| | | 16QAM | 17.90 | 0.062 | 8.9748 | 8M97W7D |
| | | 64QAM | 17.22 | 0.053 | 8.9883 | 9M00W7D |
| | 15 MHz | QPSK | 18.67 | 0.074 | 13.502 | 13M5G7D |
| | | 16QAM | 17.90 | 0.062 | 13.471 | 13M5W7D |
| | | 64QAM | 17.23 | 0.053 | 13.469 | 13M5W7D |
| | 20 MHz | QPSK | 18.72 | 0.074 | 18.055 | 18M1G7D |
| | | 16QAM | 18.04 | 0.064 | 17.97 | 18M0W7D |
| | | 64QAM | 17.27 | 0.053 | 17.961 | 18M0W7D |

**Intra-band contiguous UL CA**

| Band | Channel Bandwidth (MHz) | Modulation | E.I.R.P. | | Occupied Bandwidth (MHz) | Emission Designator |
|---|---|---|---|---|---|---|
| | | | (dBm) | (W) | | |
| CA_7C | 20+20 | QPSK | 23.31 | 0.214 | 37.466 | 37M5G7D |
| CA_66B | 15+5 | QPSK | 24.38 | 0.274 | 18.609 | 18M6G7D |
| CA_66C | 20+20 | QPSK | 24.29 | 0.269 | 37.546 | 37M5G7D |
| CA_38C | 20+20 | QPSK | 23.45 | 0.221 | 37.681 | 37M7G7D |
| CA_41C | 20+20 | QPSK | 23.48 | 0.223 | 37.685 | 37M7G7D |

## 2.1. Mode of Operation

Three channels had been tested for each channel bandwidth.

| GSM/GPRS/EGPRS 850 | | |
|---|---|---|
| Channel Bandwidth | Channel | Frequency (MHz) |
| Low CH | 128 | 824.2 |
| Middle CH | 190 | 836.6 |
| High CH | 251 | 848.8 |

| GSM/GPRS/EGPRS 1900 | | |
|---|---|---|
| Channel Bandwidth | Channel | Frequency (MHz) |
| Low CH | 512 | 1850.2 |
| Middle CH | 661 | 1880.0 |
| High CH | 810 | 1909.8 |

| WCDMA(RMC12.2K)/HSDPA/HSUPA Band 2 | | |
|---|---|---|
| Channel Bandwidth | Channel | Frequency (MHz) |
| Low CH | 9262 | 1852.4 |
| Middle CH | 9400 | 1880.0 |
| High CH | 9538 | 1907.6 |

| WCDMA(RMC12.2K)/HSDPA/HSUPA Band 4 | | |
|---|---|---|
| Channel Bandwidth | Channel | Frequency (MHz) |
| Low CH | 1312 | 1712.4 |
| Middle CH | 1413 | 1732.6 |
| High CH | 1513 | 1752.6 |

| WCDMA(RMC12.2K)/HSDPA/HSUPA Band 5 | | |
|---|---|---|
| Channel Bandwidth | Channel | Frequency (MHz) |
| Low CH | 4132 | 826.4 |
| Middle CH | 4183 | 836.6 |
| High CH | 4233 | 846.6 |

| LTE Band 2 | | | | | | |
|---|---|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | | 5 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 18607 | 1850.7 | 18615 | 1851.5 | 18625 | 1852.5 |
| Middle CH | 18900 | 1880.0 | 18900 | 1880.0 | 18900 | 1880.0 |
| High CH | 19193 | 1909.3 | 19185 | 1908.5 | 19175 | 1907.5 |
| Channel Bandwidth | 10 MHz | | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 18650 | 1855.0 | 18675 | 1857.5 | 18700 | 1860.0 |
| Middle CH | 18900 | 1880.0 | 18900 | 1880.0 | 18900 | 1880.0 |
| High CH | 19150 | 1905.0 | 19125 | 1902.5 | 19100 | 1900.0 |

| LTE Band 4 | | | | | | |
|---|---|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | | 5 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 19957 | 1710.7 | 19965 | 1711.5 | 19975 | 1712.5 |
| Middle CH | 20175 | 1732.5 | 20175 | 1732.5 | 20175 | 1732.5 |
| High CH | 20393 | 1754.3 | 20385 | 1753.5 | 20375 | 1752.5 |
| Channel Bandwidth | 10 MHz | | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 20000 | 1715.0 | 20025 | 1717.5 | 20050 | 1720.0 |
| Middle CH | 20175 | 1732.5 | 20175 | 1732.5 | 20175 | 1732.5 |
| High CH | 20350 | 1750.0 | 20325 | 1747.5 | 20300 | 1745.0 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 5 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 20407 | 824.7 | 20415 | 825.5 |
| Middle CH | 20525 | 836.5 | 20525 | 836.5 |
| High CH | 20643 | 848.3 | 20635 | 847.5 |
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 20425 | 826.5 | 20450 | 829.0 |
| Middle CH | 20525 | 836.5 | 20525 | 836.5 |
| High CH | 20625 | 846.5 | 20600 | 844.0 |

| LTE Band 7 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 20775 | 2502.5 | 20800 | 2505.0 |
| Middle CH | 21100 | 2535.0 | 21100 | 2535.0 |
| High CH | 21425 | 2567.5 | 21400 | 2565.0 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 20825 | 2507.5 | 20850 | 2510.0 |
| Middle CH | 21100 | 2535.0 | 21100 | 2535.0 |
| High CH | 21375 | 2562.5 | 21350 | 2560.0 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 12 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 23017 | 699.7 | 23025 | 700.5 |
| Middle CH | 23095 | 707.5 | 23095 | 707.5 |
| High CH | 23173 | 715.3 | 23165 | 714.5 |
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 23035 | 701.5 | 23060 | 704.0 |
| Middle CH | 23095 | 707.5 | 23095 | 707.5 |
| High CH | 23155 | 713.5 | 23130 | 711.0 |

| LTE Band 13 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 23205 | 779.5 | --- | --- |
| Middle CH | 23230 | 782.0 | 23230 | 782.0 |
| High CH | 23255 | 784.5 | --- | --- |

| LTE Band 14 (Part 90R) | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 23305 | 790.5 | --- | --- |
| Middle CH | 23330 | 793 | 23230 | 793 |
| High CH | 23255 | 795.5 | --- | --- |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 25 | | | | | | |
|---|---|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | | 5 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 26047 | 1850.7 | 26055 | 1851.5 | 26065 | 1852.5 |
| Middle CH | 26365 | 1882.5 | 26365 | 1882.5 | 26365 | 1882.5 |
| High CH | 26683 | 1914.3 | 26675 | 1913.5 | 26665 | 1912.5 |
| Channel Bandwidth | 10 MHz | | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 26090 | 1855 | 26115 | 1857.5 | 26140 | 1860 |
| Middle CH | 26365 | 1882.5 | 26365 | 1882.5 | 26365 | 1882.5 |
| High CH | 26640 | 1910 | 26615 | 1907.5 | 26590 | 1905 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 26 (Part 90S) | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 26697 | 814.7 | 26705 | 815.5 |
| Middle CH | 26740 | 819.0 | 26740 | 819.0 |
| High CH | 26783 | 823.3 | 26775 | 822.5 |
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 26715 | 816.5 | 26740 | 819.0 |
| Middle CH | 26740 | 819.0 | | |
| High CH | 26765 | 821.5 | | |

| LTE Band 26 (Part 22) | | | | | | |
|---|---|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | | 5 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 26797 | 824.7 | 26805 | 825.5 | 26815 | 826.5 |
| Middle CH | 26915 | 836.5 | 26915 | 836.5 | 26915 | 836.5 |
| High CH | 27003 | 848.3 | 27025 | 847.5 | 27015 | 846.5 |
| Channel Bandwidth | 10 MHz | | 15 MHz | | NA | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | NA | NA |
| Low CH | 26840 | 829.0 | 26865 | 831.5 | NA | NA |
| Middle CH | 26915 | 836.5 | 26915 | 836.5 | NA | NA |
| High CH | 26990 | 844.0 | 26965 | 841.5 | NA | NA |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 30 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 27685 | 2307.5 | --- | --- |
| Middle CH | 27710 | 2310.0 | 27710 | 2310.0 |
| High CH | 27735 | 2312.5 | --- | --- |

| LTE Band 38 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 37775 | 2572.5 | 37800 | 2575.0 |
| Middle CH | 38000 | 2595.0 | 38000 | 2595.0 |
| High CH | 38225 | 2617.5 | 38200 | 2615.0 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 37825 | 2577.5 | 37850 | 2580.0 |
| Middle CH | 38000 | 2595.0 | 38000 | 2595.0 |
| High CH | 38175 | 2612.5 | 38150 | 2610.0 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 40 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 38725 | 2307.5 | 38750 | 2310 |
| Middle CH | 38750 | 2310 | 38750 | 2310 |
| High CH | 38775 | 2312.5 | 38750 | 2310 |

| LTE Band 40 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 39175 | 2352.5 | 39200 | 2355 |
| Middle CH | 39200 | 2355 | 39200 | 2355 |
| High CH | 39225 | 2357.5 | 39200 | 2355 |

| LTE Band 41 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 39675 | 2498.5 | 39700 | 2501.0 |
| Middle CH | 40620 | 2593.0 | 40620 | 2593.0 |
| High CH | 41565 | 2687.5 | 41540 | 2685.0 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 39725 | 2503.5 | 39750 | 2506.0 |
| Middle CH | 40620 | 2593.0 | 40620 | 2593.0 |
| High CH | 41515 | 2682.5 | 41490 | 2680.0 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 42 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 42115 | 3452.5 | 42140 | 3455 |
| Middle CH | 42590 | 3500 | 42590 | 3500 |
| High CH | 43065 | 3547.5 | 43040 | 3545 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 42165 | 3457.5 | 42190 | 3460 |
| Middle CH | 42590 | 3500 | 42590 | 3500 |
| High CH | 43015 | 3542.5 | 42990 | 3540 |

| LTE Band 42 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 43115 | 3552.5 | 43140 | 3555 |
| Middle CH | 43340 | 3575 | 43340 | 3575 |
| High CH | 43565 | 3597.5 | 43540 | 3595 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 43165 | 3557.5 | 43190 | 3560 |
| Middle CH | 43340 | 3575 | 43340 | 3575 |
| High CH | 43515 | 3592.5 | 43490 | 3590 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 43 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 43615 | 3602.5 | 43640 | 3605 |
| Middle CH | 44090 | 3650 | 44090 | 3650 |
| High CH | 44565 | 3697.5 | 44540 | 3695 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 43665 | 3607.5 | 43690 | 3610 |
| Middle CH | 44090 | 3650 | 44090 | 3650 |
| High CH | 44515 | 3692.5 | 44490 | 3690 |

| LTE Band 48 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 55265 | 3552.5 | 55290 | 3555 |
| Middle CH | 55990 | 3625 | 55990 | 3625 |
| High CH | 56715 | 3697.5 | 56690 | 3695 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 55315 | 3557.5 | 55340 | 3560 |
| Middle CH | 55990 | 3625 | 55990 | 3625 |
| High CH | 56665 | 3692.5 | 56640 | 3690 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

| LTE Band 66 | | | | | | |
|---|---|---|---|---|---|---|
| Channel Bandwidth | 1.4 MHz | | 3 MHz | | 5 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 131979 | 1710.7 | 131987 | 1711.5 | 131997 | 1712.5 |
| Middle CH | 132322 | 1745.0 | 132322 | 1745.0 | 132322 | 1745.0 |
| High CH | 132665 | 1779.3 | 132657 | 1778.5 | 132647 | 1777.5 |
| Channel Bandwidth | 10 MHz | | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 132022 | 1715.0 | 132047 | 1717.5 | 132072 | 1720.0 |
| Middle CH | 132322 | 1745.0 | 132322 | 1745.0 | 132322 | 1745.0 |
| High CH | 132622 | 1775.0 | 132597 | 1772.5 | 132572 | 1770.0 |

| LTE Band 71 | | | | |
|---|---|---|---|---|
| Channel Bandwidth | 5 MHz | | 10 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 133147 | 665.5 | 133172 | 668 |
| Middle CH | 133297 | 680.5 | 133297 | 680.5 |
| High CH | 133447 | 695.5 | 133422 | 693 |
| Channel Bandwidth | 15 MHz | | 20 MHz | |
| | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| Low CH | 133197 | 670.5 | 133222 | 673 |
| Middle CH | 133297 | 680.5 | 133322 | 683 |
| High CH | 133397 | 690.5 | 133372 | 688 |

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission: 9 kHz to10th Harmonic

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 2 | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 4 | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 2 |
| | | 64QAM | 1 | 2 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 14 |
| | | 64QAM | 1 | 7 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 24 |
| | | 64QAM | 1 | 12 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 49 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 74 |
| | | 64QAM | 1 | 37 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 99 |
| | | 64QAM | 1 | 0 |
| LTE Band 5 | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 7 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 12 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 12 | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 7 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 12 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 13 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 14 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 25 | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 2 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 7 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 12 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 24 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 37 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 26 814~824MHz | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 26 824~849MHz | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 12 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 49 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 30 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 24 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 24 |
| | | 64QAM | 1 | 24 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 38 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 12 |
| | | 64QAM | 1 | 24 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 24 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 37 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 40 2305~2315MHz | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 24 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 24 |
| LTE Band 40 2350~2360MHz | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 41 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 24 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 49 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 99 |
| LTE Band 42 3450~3550MHz | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 42 3550~3600MHz | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 43 3600~3700MHz | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

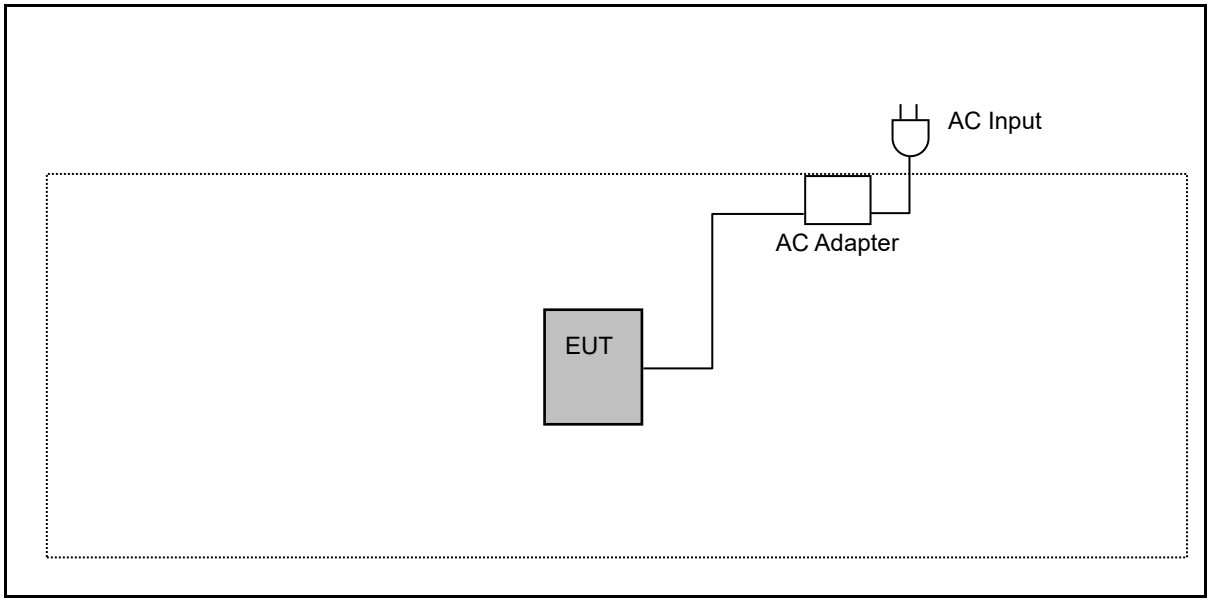
| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 48 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| LTE Band 66 | 1.4 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 3 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

| Band | Channel Bandwidth | Modulation | RB Configuration | |
|---|---|---|---|---|
| | | | Size | Offset |
| LTE Band 71 | 5 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 10 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 15 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |
| | 20 MHz | QPSK | 1 | 0 |
| | | 16QAM | 1 | 0 |
| | | 64QAM | 1 | 0 |

## 2.2. EUT Test Step

| | |
|---|---|
| 1 | Setup the EUT shown on “Configuration of Test System Details”. |
| 2 | Turn on the power of all equipment. |
| 3 | EUT run test program test. |

## 2.3. Configuration of Test System Details



## 2.4. Test Instruments

For Conducted
Test Period: Aug. 02, 2023
Testing Engineer: Eric Ou Yang,

| Test Site | | RF02-BD | | | | |
|---|---|---|---|---|---|---|
| Use | Equipment | Manufacturer | Model Number | Serial Number | Cal. Date | Cal. Period |
| ☒ | Divider | Warison | WDIV-2I0.5-26.5S20 | WR222AM2B1 | Mar. 10, 2023 | 1 year |
| ☐ | Divider | Warison | WDIV-2I0.5-26.5S20 | WR222AM2B2 | Nov. 07, 2022 | 1 year |
| ☐ | Spectrum Analyzer (3 Hz~13.2 GHz) | Agilent | E4445A | MY45300744 | Oct. 25, 2022 | 1 year |
| ☒ | Spectrum Analyzer (2 Hz~50 GHz) | Agilent | N9030B | MY57143537 | Apr. 18, 2023 | 1 year |
| ☒ | Universal Radio Communication Tester | R&S | CMU200 | 112387 | Feb. 24, 2023 | 1 year |
| ☒ | Temperature & Humidity Chamber | TAICHY | MHU-225LA | 980729 | Mar. 29, 2023 | 1 year |
| ☒ | Power Supply | KEITHLEY | 2303 | 4045290 | Jan. 06, 2023 | 1 year |

Note: N.C.R. = No Calibration Request.

For Radiated Emissions
Test Period: Oct. 16, 2023
Testing Engineer: Kerry Xu, Marc Yeh

| Test Site | | 96603-BD | | | | |
|---|---|---|---|---|---|---|
| Radiation test sites | | Semi Anechoic Room | | | | |
| Use | Equipment | Manufacturer | Model Number | Serial Number | Cal. Date | Cal. Period |
| ☒ | Spectrum Analyzer (10 Hz~44 GHz) | Keysight | N9020B | MY60112363 | Jan. 13, 2023 | 1 year |
| ☒ | Amplifier (100 kHz~1.3 GHz) | Agilent | 8447D | 2944A11119 | Jan. 07, 2023 | 1 year |
| ☒ | Broadband Amplifier (1 GHz~26.5 GHz) | Titan | T0912E01263025 A1F | 002 | Jul. 24, 2023 | 1 year |
| ☒ | Preamplifier (26.5 GHz~40 GHz) | EMCI | EMC2654045 | 980028 | Sep. 01, 2023 | 1 year |
| ☒ | Loop Antenna (9 kHz~30 MHz) | COM-POWER CORPORATION | AL-130 | 121014 | Mar. 23, 2023 | 1 year |
| ☒ | Trilog Broadband Antenna (30 kHz~1 GHz) | Schwarzbeck Mess-Elektronik | VULB9168 | 01146 | Jun. 26, 2023 | 1 year |
| ☒ | Broadband Horn Antenna (1 GHz~18 GHz) | Schwarzbeck Mess-Elektronik | 9120D | 02207 | Jul. 07, 2023 | 1 year |
| ☒ | Broadband Horn Antenna (18 GHz~40 GHz) | Schwarzbeck Mess-Elektronik | 9170 | 9170-320 | Jul. 21, 2023 | 1 year |
| ☒ | Horn Antenna (18 GHz~40 GHz) | ETS | 3116 | 00086467 | Dec. 05, 2022 | 1 year |
| ☒ | Coaxial Cable | Titan | T0710AT327A10A 100 | J11005 | Aug. 10, 2023 | 1 year |
| ☒ | Coaxial Cable | Titan | T0710AT327A10A 900 | J11004 | Aug. 10, 2023 | 1 year |
| ☒ | Coaxial Cable | Titan | CFD400NL-LW | 001 | Aug. 10, 2023 | 1 year |
| ☒ | Universal Radio Communication Tester | R&S | CMU200 | 112387 | Feb. 24, 2023 | 1 year |
| ☒ | Software | EZ EMC | 1.1.4.4 | N/A | N.C.R. | --- |

Note: N.C.R. = No Calibration Request.

For Conducted
Test Period: Aug. 03, 2023
Testing Engineer: Eric Ou Yang, Nat Wu

| Test Site | | RF02-BD | | | | |
|---|---|---|---|---|---|---|
| Use | Equipment | Manufacturer | Model Number | Serial Number | Cal. Date | Cal. Period |
| ☒ | Divider | Warison | WDIV-2I0.5-26.5S20 | WR222AM2B1 | Mar. 10, 2023 | 1 year |
| ☐ | Divider | Warison | WDIV-2I0.5-26.5S20 | WR222AM2B2 | Nov. 07, 2022 | 1 year |
| ☐ | Spectrum Analyzer (3 Hz~13.2 GHz) | Agilent | E4445A | MY45300744 | Oct. 25, 2022 | 1 year |
| ☒ | Spectrum Analyzer (2 Hz~50 GHz) | Agilent | N9030B | MY57143537 | Apr. 18, 2023 | 1 year |
| ☒ | Universal Radio Communication Tester | R&S | CMU200 | 112387 | Feb. 24, 2023 | 1 year |
| ☒ | Universal Radio Communication Tester | Agilent | E5515C | MY47511156 | Sep. 01, 2022 | 1 year |
| ☒ | Temperature & Humidity Chamber | TAICHY | MHU-225LA | 980729 | Mar. 29, 2023 | 1 year |
| ☒ | Power Supply | KEITHLEY | 2303 | 4045290 | Jan. 06, 2023 | 1 year |

Note: N.C.R. = No Calibration Request.

For Radiated Emissions
Test Period: Oct. 17, 2023
Testing Engineer: Kerry Xu, Marc Yeh

| Test Site | | 96603-BD | | | | |
|---|---|---|---|---|---|---|
| Radiation test sites | | Semi Anechoic Room | | | | |
| Use | Equipment | Manufacturer | Model Number | Serial Number | Cal. Date | Cal. Period |
| ☒ | Spectrum Analyzer (10 Hz~44 GHz) | Keysight | N9020B | MY60112363 | Jan. 13, 2023 | 1 year |
| ☒ | Amplifier (100 kHz~1.3 GHz) | Agilent | 8447D | 2944A11119 | Jan. 07, 2023 | 1 year |
| ☒ | Broadband Amplifier (1 GHz~26.5 GHz) | Titan | T0912E01263025 A1F | 002 | Jul. 24, 2023 | 1 year |
| ☒ | Preamplifier (26.5 GHz~40 GHz) | EMCI | EMC2654045 | 980028 | Sep. 01, 2023 | 1 year |
| ☒ | Loop Antenna (9 kHz~30 MHz) | COM-POWER CORPORATION | AL-130 | 121014 | Mar. 23, 2023 | 1 year |
| ☒ | Trilog Broadband Antenna (30 kHz~1 GHz) | Schwarzbeck Mess-Elektronik | VULB9168 | 01146 | Jun. 26, 2023 | 1 year |
| ☒ | Broadband Horn Antenna (1 GHz~18 GHz) | Schwarzbeck Mess-Elektronik | 9120D | 02207 | Jul. 07, 2023 | 1 year |
| ☒ | Broadband Horn Antenna (18 GHz~40 GHz) | Schwarzbeck Mess-Elektronik | 9170 | 9170-320 | Jul. 21, 2023 | 1 year |
| ☒ | Horn Antenna (18 GHz~40 GHz) | ETS | 3116 | 00086467 | Dec. 05, 2022 | 1 year |
| ☒ | Coaxial Cable | Titan | T0710AT327A10A 100 | J11005 | Aug. 10, 2023 | 1 year |
| ☒ | Coaxial Cable | Titan | T0710AT327A10A 900 | J11004 | Aug. 10, 2023 | 1 year |
| ☒ | Coaxial Cable | Titan | CFD400NL-LW | 001 | Aug. 10, 2023 | 1 year |
| ☒ | Universal Radio Communication Tester | R&S | CMU200 | 112387 | Feb. 24, 2023 | 1 year |
| ☒ | Universal Radio Communication Tester | Agilent | E5515C | MY47511156 | Sep. 01, 2023 | 1 year |
| ☒ | Software | EZ EMC | 1.1.4.4 | N/A | N.C.R. | --- |

Note: N.C.R. = No Calibration Request.

For Conducted
Test Period: Aug. 04 ~ Oct. 22, 2023
Testing Engineer: Eric Ou Yang,

| Test Site | | RF02-BD | | | | |
|---|---|---|---|---|---|---|
| Use | Equipment | Manufacturer | Model Number | Serial Number | Cal. Date | Cal. Period |
| ☒ | Divider | Warison | WDIV-2I0.5-26.5S20 | WR222AM2B2 | Aug. 24, 2023 | 1 year |
| ☒ | Spectrum Analyzer (2 Hz~50 GHz) | Agilent | N9030B | MY57143537 | Apr. 18, 2023 | 1 year |
| ☒ | Radio Communication Analyzer | Anritsu | MT8821C | 6201300618 | Jun. 07, 2023 | 1 year |
| ☒ | Temperature & Humidity Chamber | TAICHY | MHU-225LA | 980729 | Mar. 29, 2023 | 1 year |
| ☒ | Power Supply | KEITHLEY | 2303 | 4045290 | Jan. 06, 2023 | 1 year |

Note: N.C.R. = No Calibration Request.

For Radiated Emissions
Test Period: Oct. 18 ~ Oct. 22, 2023
Testing Engineer: Kerry Xu, Marc Yeh

| Test Site | | 96603-BD | | | | |
|---|---|---|---|---|---|---|
| Radiation test sites | | Semi Anechoic Room | | | | |
| Use | Equipment | Manufacturer | Model Number | Serial Number | Cal. Date | Cal. Period |
| ☒ | Spectrum Analyzer (10 Hz~44 GHz) | Keysight | N9020B | MY60112363 | Jan. 13, 2023 | 1 year |
| ☒ | Amplifier (100 kHz~1.3 GHz) | Agilent | 8447D | 2944A11119 | Jan. 07, 2023 | 1 year |
| ☒ | Broadband Amplifier (1 GHz~26.5 GHz) | Titan | T0912E01263025 A1F | 002 | Jul. 24, 2023 | 1 year |
| ☒ | Preamplifier (26.5 GHz~40 GHz) | EMCI | EMC2654045 | 980028 | Sep. 01, 2023 | 1 year |
| ☒ | Loop Antenna (9 kHz~30 MHz) | COM-POWER CORPORATION | AL-130 | 121014 | Mar. 23, 2023 | 1 year |
| ☒ | Trilog Broadband Antenna (30 kHz~1 GHz) | Schwarzbeck Mess-Elektronik | VULB9168 | 01146 | Jun. 26, 2023 | 1 year |
| ☒ | Broadband Horn Antenna (1 GHz~18 GHz) | Schwarzbeck Mess-Elektronik | 9120D | 02207 | Jul. 07, 2023 | 1 year |
| ☒ | Broadband Horn Antenna (18 GHz~40 GHz) | Schwarzbeck Mess-Elektronik | 9170 | 9170-320 | Jul. 21, 2023 | 1 year |
| ☒ | Horn Antenna (18 GHz~40 GHz) | ETS | 3116 | 00086467 | Dec. 05, 2022 | 1 year |
| ☒ | Coaxial Cable | Titan | T0710AT327A10A 100 | J11005 | Aug. 10, 2023 | 1 year |
| ☒ | Coaxial Cable | Titan | T0710AT327A10A 900 | J11004 | Aug. 10, 2023 | 1 year |
| ☒ | Coaxial Cable | Titan | CFD400NL-LW | 001 | Aug. 10, 2023 | 1 year |
| ☒ | Radio Communication Analyzer | Anritsu | MT8821C | 6201300618 | Jun. 07, 2023 | 1 year |
| ☒ | Software | EZ EMC | 1.1.4.4 | N/A | N.C.R. | --- |

Note: N.C.R. = No Calibration Request.

# 3 Measurement Procedure

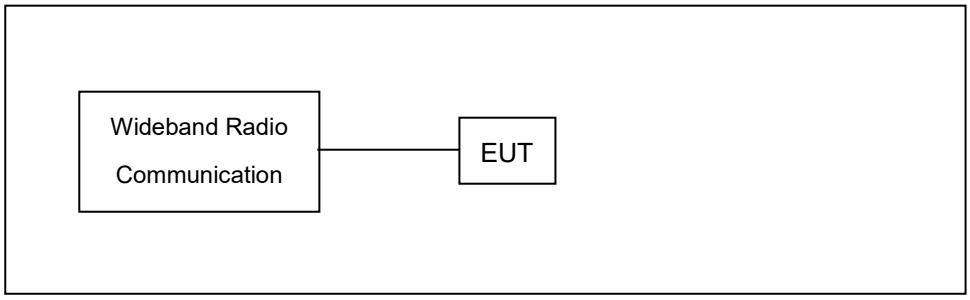
## 3.1. Conducted Output Average Power Test

### ■ Limit

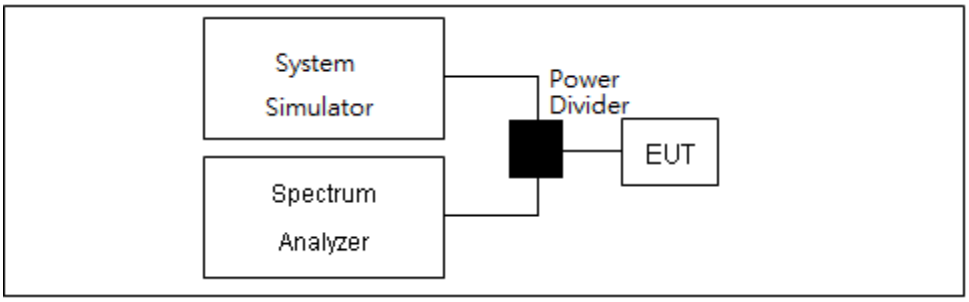
N/A

### ■ Test Setup

**(For dBm/Channel BW)**




**(For dBm/10 MHz)**



## ■ Test Procedure

**(For dBm/Channel BW)**

a. The EUT was set up for the maximum power with simulator.

b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

**(For dBm/10 MHz)**

a. The EUT was set up for the maximum power with simulator.

b. Set instrument center frequency to OBW center frequency.

c. Set span to at least 1.5 times the OBW.

d. Set the RBW to the specified reference bandwidth (often 10 MHz).

e. Set VBW ≥ 3 × RBW.

f. Detector = RMS (power averaging).

g. Employ trace averaging (RMS) mode over a minimum of 100 traces.

h. Ensure that the number of measurement points in the sweep ≥ 2 × span/RBW.

i. Spectrum is configured to trigger a sweep at the beginning of each transmission burst.

j. Use the peak marker function to determine the maximum amplitude level within the reference bandwidth (PSD).

## 3.2. Effective Radiated Power / Equivalent Isotropic Radiated Power Test

### ■ Limit

For FCC Part 27: The EIRP of mobile transmitters and auxiliary test transmitters must not exceed 1 Watts.

For FCC Part 27.50(b)(10): Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

For FCC Part 27.50(c)(10): Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP

For FCC Part 27.50(c)(10): Portable stations in the 698-746 MHz band are limited to 3 watts ERP.

For FCC Part 27.50(h)(2): Mobile stations are limited to 2.0 watts EIRP.

For FCC Part 22.913(a)(5): The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

For FCC Part 24.232(c): The E.I.R.P. of Mobile and portable stations test transmitters must not exceed 2 Watts.

For FCC Part 27.50(h)(2): Mobile stations in BRS and EBS band are limited to 2 watts EIRP.

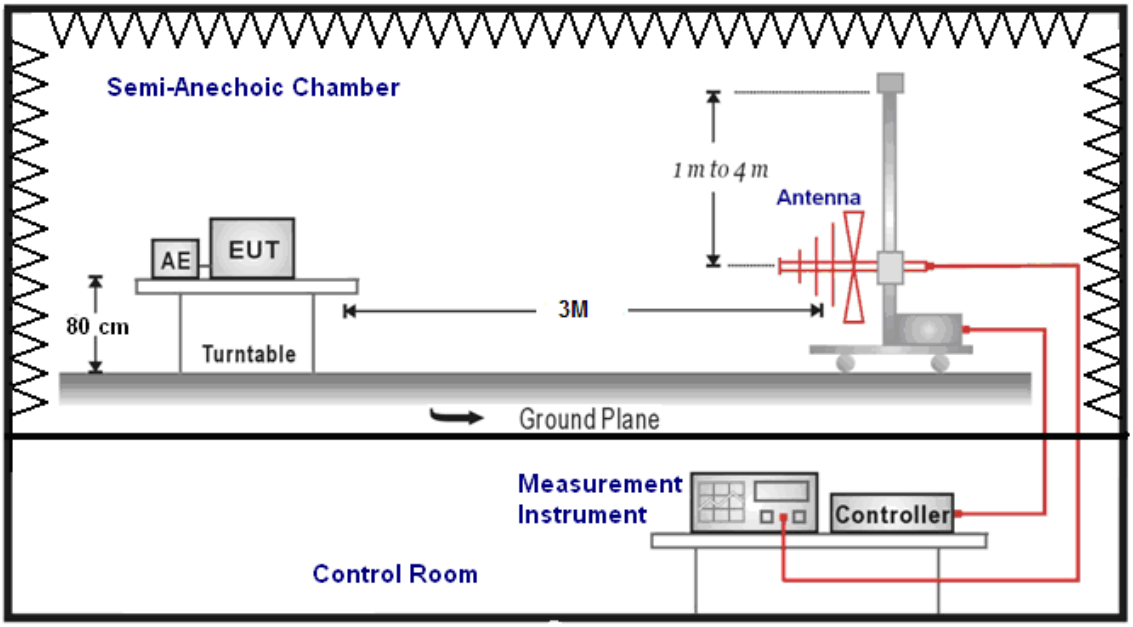
For FCC Part 90.542(7): Portable stations in the 758-768 MHz band and the 788-798 MHz are limited to 3 watts ERP

For FCC Part 90.635(b): ERP maximum power is 100 watts for mobile stations.

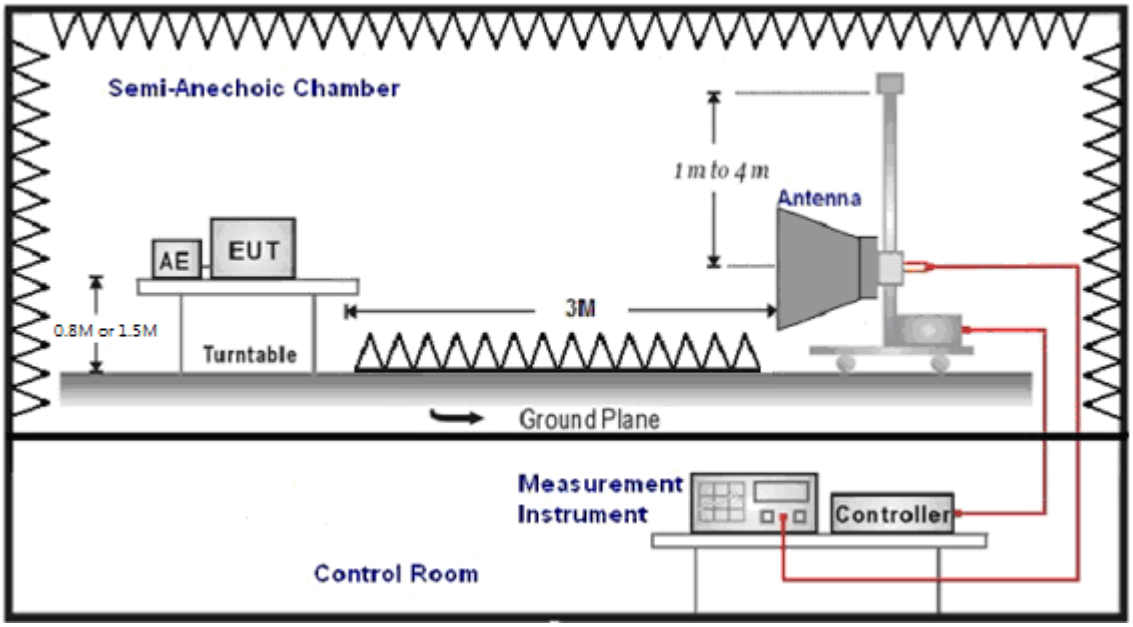
| Device | | Maximum EIRP (dBm/10 MHz) | Maximum PSD (EIRP) (dBm/MHz) |
|---|---|---|---|
| ■ | End User Device | 23 | N/A |
| □ | Category A CBSD | 30 | 20 |
| □ | Category B CBSD | 47 | 37 |

## ■ Test Setup

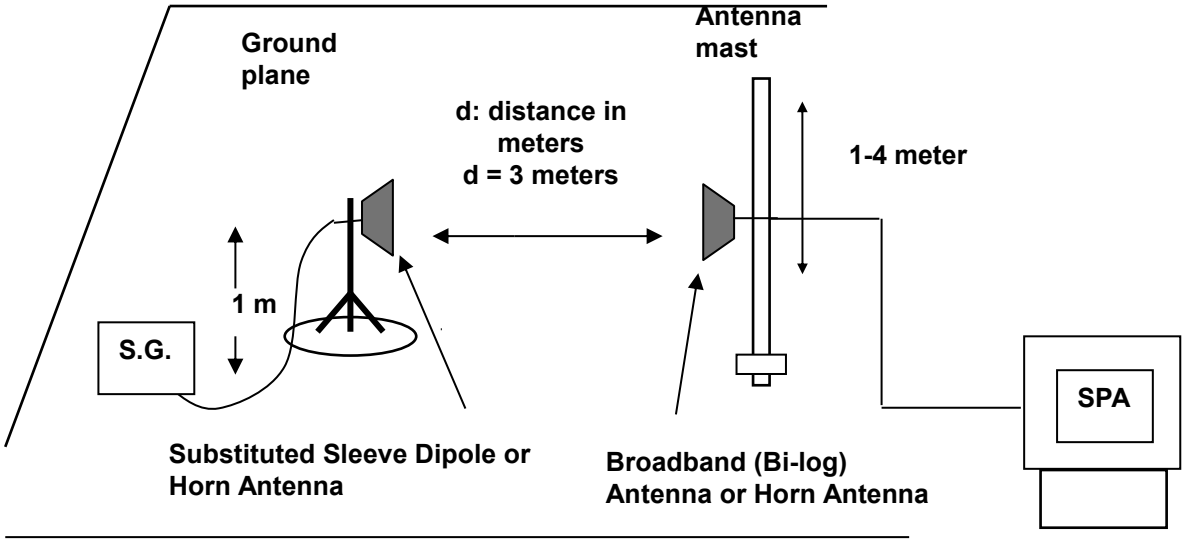
**Below 1 GHz**




**Above 1 GHz**



**For Substituted Method Test Set-UP**




## ■ Test Procedure

a. The EUT was set up for the maximum power with wwan link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).

b. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (1.5 m for above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G.

d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn

e. E.R.P. = E.I.R.P- 2.15 dB

Note: 1. Below 1 GHz Substituted Method Test：Sleeve dipole antenna to Bi-Log Antenna

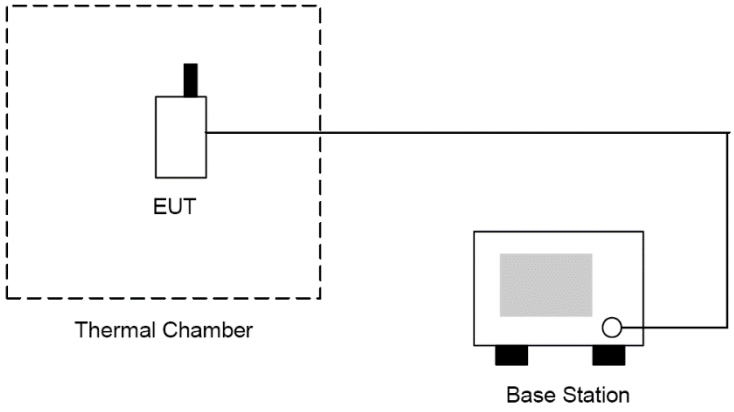
2. Above 1 GHz Substituted Method Test：Horn antenna to Horn Antenna

## 3.3. Frequency Stability Test

### ■ Limit

According to the FCC rule shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with the 2.1055(a)(1) -30 °C ~ 50 °C.

### ■ Setup




### ■ Test Procedure

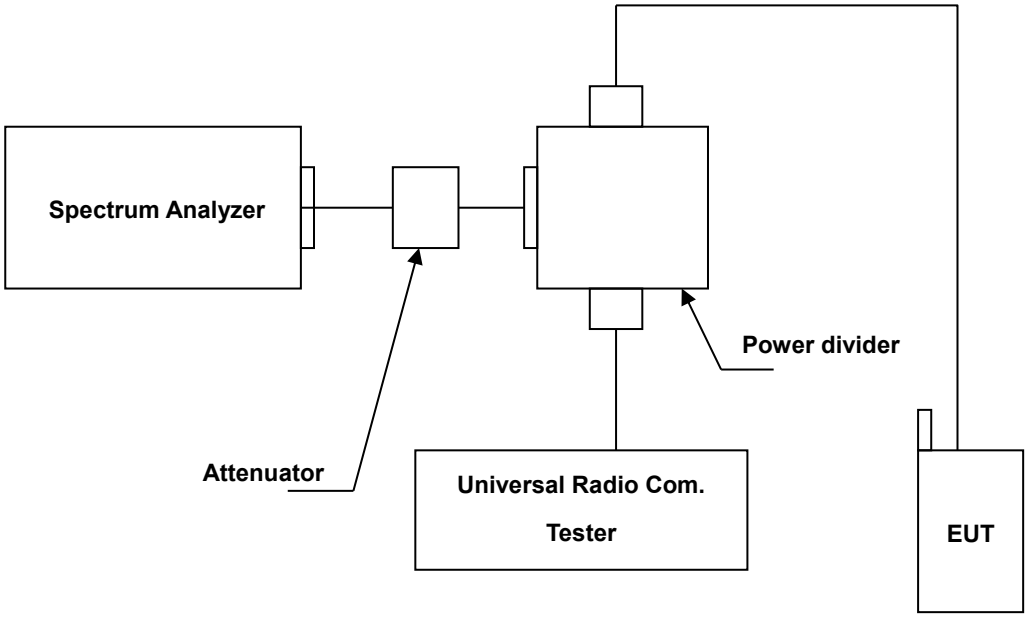
1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30 °C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10 °C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The EUT was placed in a temperature chamber at 25 ± 5 °C and connected as the following section.
5. The power supply voltage to the EUT was varied from BEP to 115 % of the nominal value measured at the input to the EUT.
6. The temperature tests were performed for the worst case.
7. Test data was recorded.

## 3.4. Emission Bandwidth & Occupied Bandwidth Test

### ■ Limit

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.
The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

### ■ Setup




### ■ Test Procedure

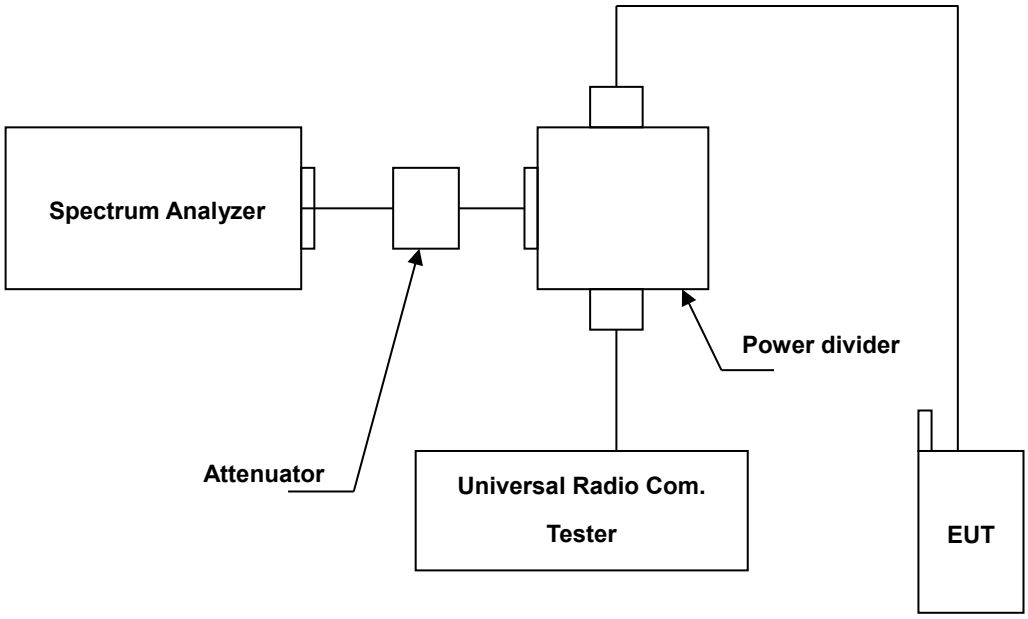
a. The EUT makes a phone call to the communication simulator. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels. (low, middle and high operational frequency range.)
b. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
c. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

## 3.5. Peak to Average Ratio Test

### ■ Limit

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

### ■ Setup




### ■ Test Procedure

a. Set resolution/measurement bandwidth signal's occupied bandwidth;
b. Set the number of counts to a value that stabilizes the measured CCDF curve;
c. Record the maximum PAPR level associated with a probability of 0.1 %.

## 3.6. Band Edge Test

### ■ Limit

The Band Edge Limit:

§22.917(a), §24.238(a)

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

§27.53(c)(2)

On any frequency outside the 777-787 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB.

§27.53(g)

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) dB.

§27.53(m)

For mobile digital stations, the attenuation factor shall be not less than 43+10 log(p) dB at the channel edge and 55+10 log(P) dB at 5.5 megahertz from the channel edges.

§27.53(m)

For FCC Part 90.635(b): ERP maximum power is 100 watts for mobile stations.

For mobile digital stations,the attenuation factor shall be not less than 43 + 10 log10(P) dB at the channel edge and 55 + 10 log10(P) dB

at 5.5 megahertz from the channel edges.

§90.543 (e)(2)

On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations.

§90.543 (e)(3)

On all frequencies between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least 43 + 10 log (P) dB.

§90.691

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 50 + 10 log10 (P[Watts]) at Band Edge and for all out-of-band emissions within 37.5 kHz of Block Edge.

| LTE Band 13_BW=5 M | | | | |
|---|---|---|---|---|
| Frequency (MHz) | RBW=10 kHz Measurement (dBm) | RBW=6.25 kHz Measurement (dBm) | Limit -35 dBm/6.25 kHz | Result |
| 763 ~ 775 | -39.670 | -41.711 | -35 | PASS |
| 793 ~ 805 | -51.865 | -53.906 | -35 | PASS |

| LTE Band 13_BW=10 M | | | | |
|---|---|---|---|---|
| Frequency (MHz) | RBW=10 kHz Measurement (dBm) | RBW=6.25 kHz Measurement (dBm) | Limit -35 dBm/6.25 kHz | Result |
| 763 ~775 | -42.106 | -44.147 | -35 | PASS |
| 793 ~805 | -41.867 | -43.908 | -35 | PASS |

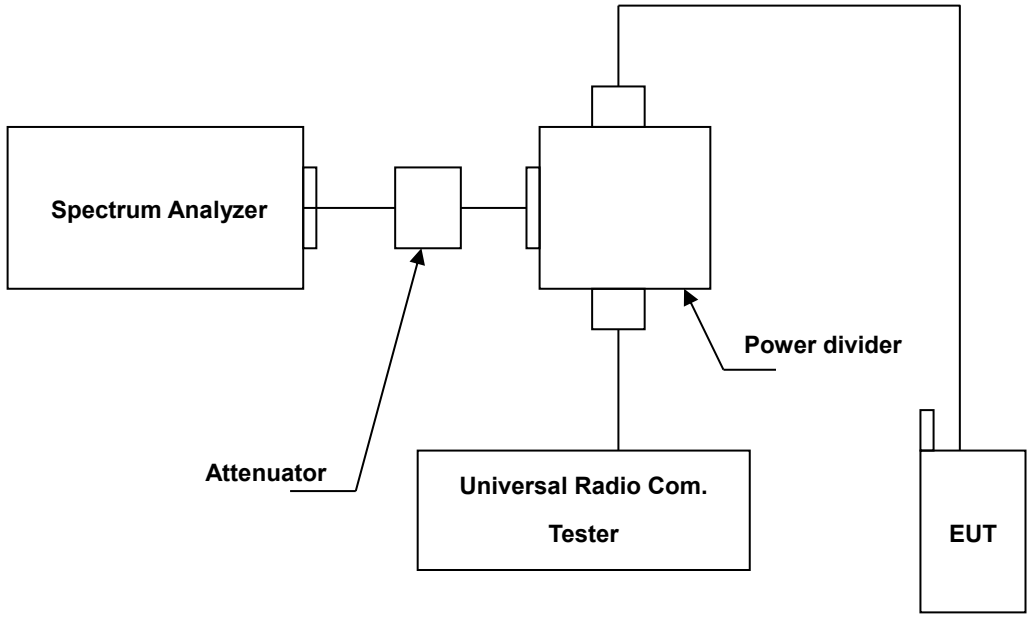
| LTE Band 14_BW=5 M | | | | |
|---|---|---|---|---|
| Frequency (MHz) | RBW=10 kHz Measurement (dBm) | RBW=6.25 kHz Measurement (dBm) | Limit -35 dBm/6.25 kHz | Result |
| 769 ~ 775 | -39.670 | -41.711 | -35 | PASS |
| 799 ~ 805 | -51.865 | -53.906 | -35 | PASS |

| LTE Band 14_BW=10 M | | | | |
|---|---|---|---|---|
| Frequency (MHz) | RBW=10 kHz Measurement (dBm) | RBW=6.25 kHz Measurement (dBm) | Limit -35 dBm/6.25 kHz | Result |
| 769 ~ 775 | -42.106 | -44.147 | -35 | PASS |
| 799 ~ 805 | -41.867 | -43.908 | -35 | PASS |

| Device | | Power of emission outside the fundamental | Limit (dBm/MHz) |
|---|---|---|---|
| ■ | End User Device | Within 0 MHz to B MHz above and below the assigned channel. | -13 |
| | | Greater than B MHz above and below the assigned channel.<br>The conducted power of emissions below 3540 or above 3710 MHz. | -25 |
| | | The conducted power of emissions below 3530 or above 3720 MHz. | -40 |
| | | The Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB. | |
| □ | Category A CBSD | Within 0 MHz to 10 MHz above and below the assigned channel. | -13 |
| □ | Category B CBSD | Greater than 10 MHz above and below the assigned channel.<br>The conducted power of emissions below 3540 or above 3710 MHz. | -25 |
| | | The conducted power of emissions below 3530 or above 3720 MHz. | -40 |

Note: Where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device.

## ■ Setup




## ■ Test Procedure

a. The EUT was set up for the maximum peak power with WWAN link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.)

b. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss in the transmitted path track.

c. The center frequency of spectrum is the band edge frequency and span is 2 MHz. RB of the resolution bandwidth of at least one percent of the emission bandwidth.

d. Record the max trace plot into the test report.

For ACLR:

a. The option ACLR of spectrum analyzer is used and measures the ACLR ratio by setting equivalent channel bandwidth.

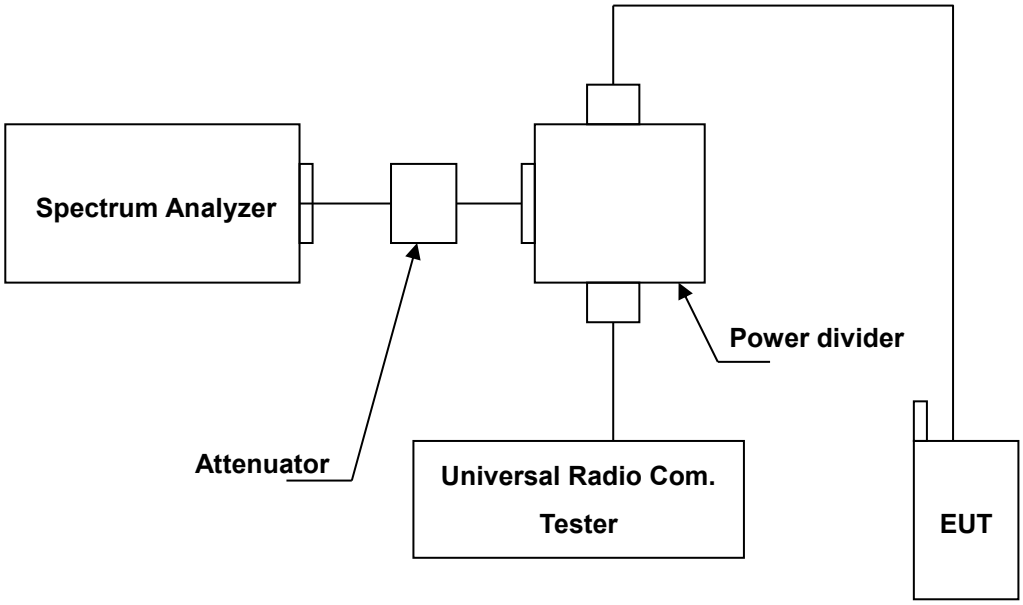
b. The measured ACLR ratio shall be at least 30 dB.

## 3.7. Conducted Spurious Emission Test

### ■ Limit

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 $\log_{10}$(P) dB. The limit of emission equal to -13 dBm

### ■ Setup




### ■ Test Procedure

a. The EUT was set up for the maximum peak power with WWAN link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).

b. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

C. When the spectrum scanned from 10 MHz to 10$^{th}$ harmonic. The spectrum set RB=1 MHz, VB=3 MHz.

## 3.8. Radiated Emission Test

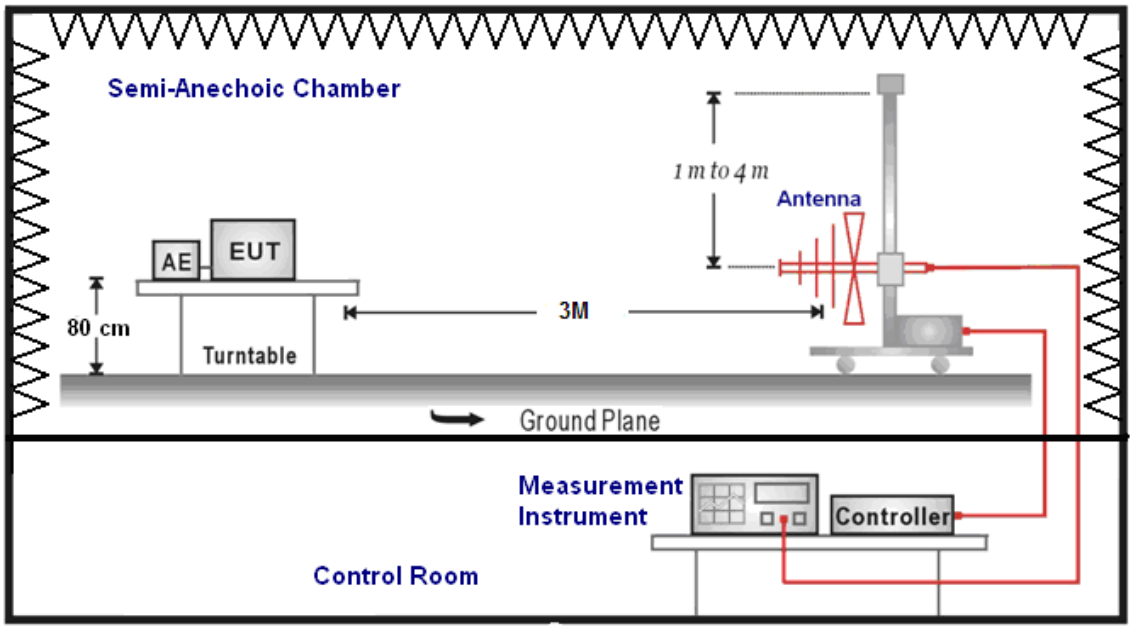
### ■ Limit

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 $\log_{10}$(P) dB. The limit of emission equal to -13 dBm

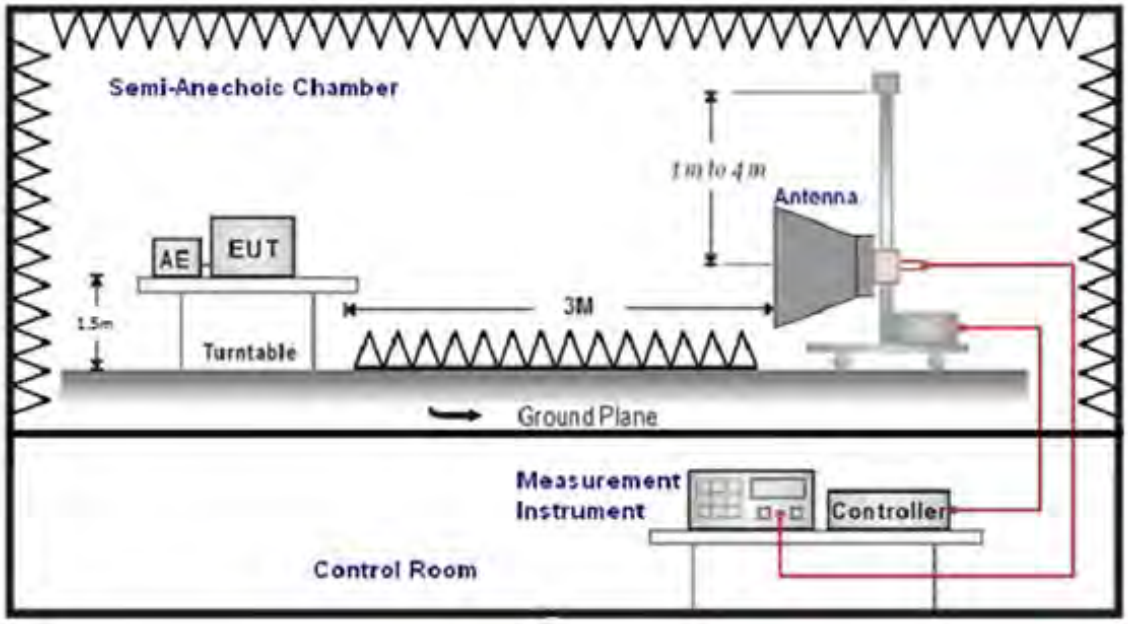
The conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed −40 dBm/MHz.

### ■ Setup

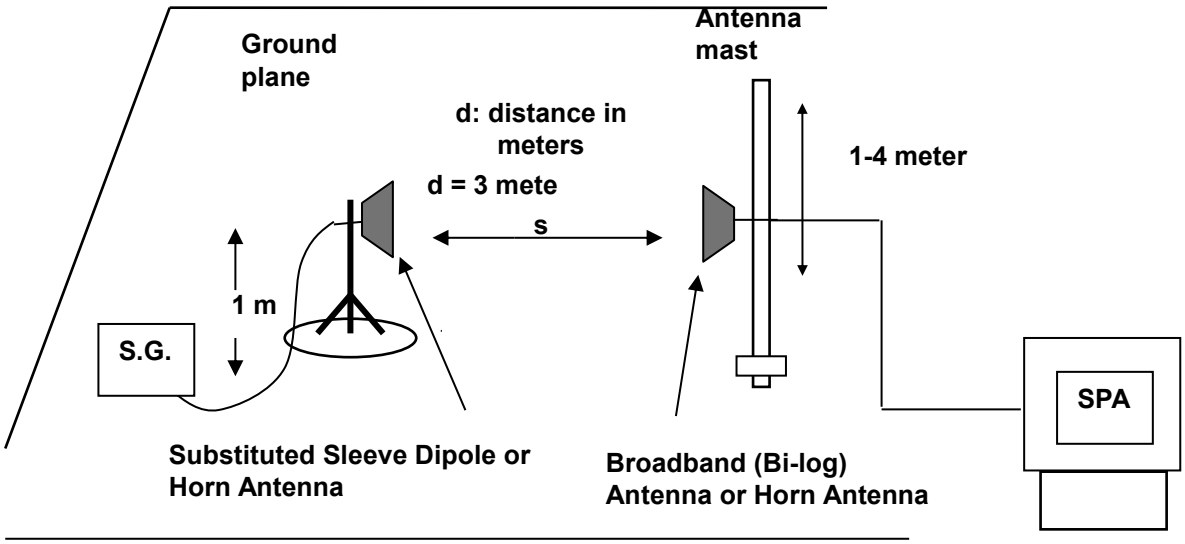
Below 1 GHz



Above 1 GHz




For Substituted Method Test Set-UP



## ■ Test Procedure

a. The EUT was set up for the maximum power with wwan link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).

b. Radiation Emission measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (1.5 m for above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

c. The substitution antenna (Note:1 & 2) is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G.

d. E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn

e. E.R.P. = E.I.R.P- 2.15 dB

f. Measurement range 9 kHz - 10 th Harmonic

Note: 1. Below 1 GHz Substituted Method Test：Sleeve dipole antenna to Bi-Log Antenna

2. Above 1 GHz Substituted Method Test：Horn antenna to Horn Antenn

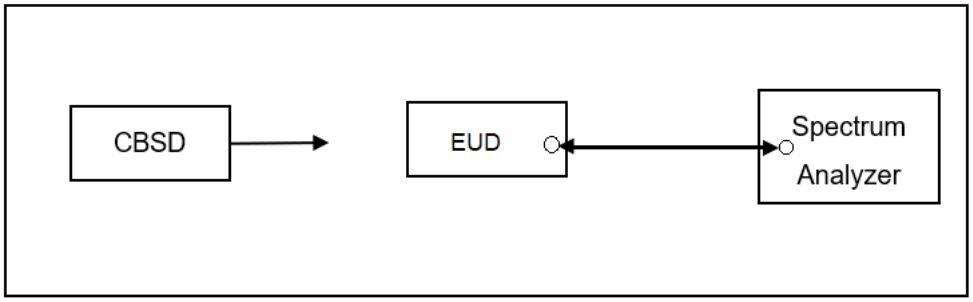
## 3.9. End user device additional requirements Test

### ■ Limit

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

### ■ Test Setup




Note: CBSD (FCC ID: P27-SCE4255W). LTE

### ■ Test Procedure

The EUT was connects to a certified CBSD and spectrum analyzer. The following procedure is performed by applying WINNF-TS-0122 CBRS CBSD Test Specification:

1. Setup with low channel and power level 10 dBm/MHz.

Note. Set one of the BW supported by the DUT.

2. Enable AP service from EPC management.
3. Check EUD Tx frequency and power.
4. Disable AP service from EPC management.
5. Check EUD stops transmission within 10 seconds.
6. Setup with high channel and power level 15 dBm/MHz.

Note. Set one of the BW supported by the DUT.

7. Enable AP service from EPC management.
8. Check EUD Tx frequency and power.
9. Disable AP service from EPC management.
10. Check EUD stops transmission within 10 seconds.

# 4 Test Results

## 4.1. Effective Radiated Power / Equivalent Isotropic Radiated Power

| Band | Modulation | Test Mode | CH | | Frequency (MHz) | Source-Time Avg Conducted power (dBm) | Avg burst Conducted power (dBm) | Antenna Gain(dBi) | ERP(dBm) | ERP(W) | tolerance (dBm) | Results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSM 850 | GMSK | 1Down1Up Duty factor 1/8 | Lowest | 128 | 824.2 | 23.09 | 32.12 | -1.2 | 28.77 | 0.753 | 33±2 | PASS |
| | | | Middle | 190 | 836.6 | 23.05 | 32.08 | | 28.73 | 0.746 | | PASS |
| | | | Highest | 251 | 848.8 | 23.12 | 32.15 | | 28.80 | 0.759 | | PASS |
| GPRS 850 Multi Class :33 Max Up:4 Max Down:5 Sum:6 | | 4Down1Up Duty factor 1/8 | Lowest | 128 | 824.2 | 23.00 | 32.03 | | 28.68 | 0.738 | 33±2 | PASS |
| | | | Middle | 190 | 836.6 | 22.98 | 32.01 | | 28.66 | 0.735 | | PASS |
| | | | Highest | 251 | 848.8 | 23.01 | 32.04 | | 28.69 | 0.740 | | PASS |
| | | 3Down2Up Duty factor 2/8 | Lowest | 128 | 824.2 | 25.89 | 31.91 | | 28.56 | 0.718 | Can't lower than29.03 | PASS |
| | | | Middle | 190 | 836.6 | 25.87 | 31.89 | | 28.54 | 0.714 | Can't lower than29.01 | PASS |
| | | | Highest | 251 | 848.8 | 25.90 | 31.92 | | 28.57 | 0.719 | Can't lower than29.04 | PASS |
| | | 2Down3Up Duty factor 3/8 | Lowest | 128 | 824.2 | 27.60 | 31.86 | | 28.51 | 0.710 | Can't lower than27.23 | PASS |
| | | | Middle | 190 | 836.6 | 27.58 | 31.84 | | 28.49 | 0.706 | Can't lower than27.21 | PASS |
| | | | Highest | 251 | 848.8 | 27.63 | 31.89 | | 28.54 | 0.714 | Can't lower than27.24 | PASS |
| | | 1Down4Up Duty factor 4/8 | Lowest | 128 | 824.2 | 28.80 | 31.81 | | 28.46 | 0.701 | Can't lower than26.03 | PASS |
| | | | Middle | 190 | 836.6 | 28.77 | 31.78 | | 28.43 | 0.697 | Can't lower than26.01 | PASS |
| | | | Highest | 251 | 848.8 | 28.82 | 31.83 | | 28.48 | 0.705 | Can't lower than26.04 | PASS |
| EGPRS 850 Multi Class :33 Max Up:4 Max Down:5 Sum:6 | 8PSK | 4Down1Up Duty factor 1/8 | Lowest | 128 | 824.2 | 16.93 | 25.96 | | 22.61 | 0.182 | 27±2 | PASS |
| | | | Middle | 190 | 836.6 | 16.97 | 26.00 | | 22.65 | 0.184 | | PASS |
| | | | Highest | 251 | 848.8 | 16.99 | 26.02 | | 22.67 | 0.185 | | PASS |
| | | 3Down2Up Duty factor 2/8 | Lowest | 128 | 824.2 | 19.79 | 25.81 | | 22.46 | 0.176 | Can't lower than22.96 | PASS |
| | | | Middle | 190 | 836.6 | 19.86 | 25.88 | | 22.53 | 0.179 | Can't lower than23 | PASS |
| | | | Highest | 251 | 848.8 | 19.85 | 25.87 | | 22.52 | 0.179 | Can't lower than23.02 | PASS |
| | | 2Down3Up Duty factor 3/8 | Lowest | 128 | 824.2 | 21.38 | 25.64 | | 22.29 | 0.169 | Can't lower than21.16 | PASS |
| | | | Middle | 190 | 836.6 | 21.51 | 25.77 | | 22.42 | 0.175 | Can't lower than21.2 | PASS |
| | | | Highest | 251 | 848.8 | 21.48 | 25.74 | | 22.39 | 0.173 | Can't lower than21.22 | PASS |
| | | 1Down4Up Duty factor 4/8 | Lowest | 128 | 824.2 | 22.48 | 25.49 | | 22.14 | 0.164 | Can't lower than19.96 | PASS |
| | | | Middle | 190 | 836.6 | 22.64 | 25.65 | | 22.30 | 0.170 | Can't lower than20 | PASS |
| | | | Highest | 251 | 848.8 | 22.57 | 25.58 | | 22.23 | 0.167 | Can't lower than20.02 | PASS |

| Band | Test Mode | Test Mode | CH | | Frequency (MHz) | Source-Time Avg Conducted power (dBm) | Avg burst Conducted power (dBm) | Antenna Gain(dBi) | EIRP(dBm) | EIRP(W) | tolerance (dBm) | Results |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PCS 1900 | GMSK | 1Down1Up Duty factor 1/8 | Lowest | 512 | 1850.2 | 20.08 | 29.11 | 2.0 | 31.1 | 1.291 | 30±2 | PASS |
| | | | Middle | 661 | 1880.0 | 20.82 | 29.85 | | 31.9 | 1.531 | | PASS |
| | | | Highest | 810 | 1909.8 | 20.45 | 29.48 | | 31.5 | 1.406 | | PASS |
| GPRS 1900 Multi Class :33 Max Up:4 Max Down:5 Sum:6 | | 4Down1Up Duty factor 1/8 | Lowest | 512 | 1850.2 | 20.07 | 29.10 | | 31.1 | 1.288 | 30±2 | PASS |
| | | | Middle | 661 | 1880.0 | 20.26 | 29.29 | | 31.3 | 1.346 | | PASS |
| | | | Highest | 810 | 1909.8 | 20.06 | 29.09 | | 31.1 | 1.285 | | PASS |
| | | 3Down2Up Duty factor 2/8 | Lowest | 512 | 1850.2 | 23.02 | 29.04 | | 31.0 | 1.271 | Can't lower than26.1 | PASS |
| | | | Middle | 661 | 1880.0 | 23.17 | 29.19 | | 31.2 | 1.315 | Can't lower than26.29 | PASS |
| | | | Highest | 810 | 1909.8 | 22.94 | 28.96 | | 31.0 | 1.247 | Can't lower than26.09 | PASS |
| | | 2Down3Up Duty factor 3/8 | Lowest | 512 | 1850.2 | 24.60 | 28.86 | | 30.9 | 1.219 | Can't lower than24.3 | PASS |
| | | | Middle | 661 | 1880.0 | 24.78 | 29.04 | | 31.0 | 1.271 | Can't lower than24.49 | PASS |
| | | | Highest | 810 | 1909.8 | 24.53 | 28.79 | | 30.8 | 1.199 | Can't lower than24.29 | PASS |
| | | 1Down4Up Duty factor 4/8 | Lowest | 512 | 1850.2 | 25.65 | 28.66 | | 30.7 | 1.164 | Can't lower than23.1 | PASS |
| | | | Middle | 661 | 1880.0 | 25.83 | 28.84 | | 30.8 | 1.213 | Can't lower than23.29 | PASS |
| | | | Highest | 810 | 1909.8 | 25.60 | 28.61 | | 30.6 | 1.151 | Can't lower than23.09 | PASS |
| EGPRS 1900 Multi Class :33 Max Up:4 Max Down:5 Sum:6 | 8PSK | 4Down1Up Duty factor 1/8 | Lowest | 512 | 1850.2 | 16.22 | 25.25 | | 27.3 | 0.531 | 26±2 | PASS |
| | | | Middle | 661 | 1880.0 | 16.31 | 25.34 | | 27.3 | 0.542 | | PASS |
| | | | Highest | 810 | 1909.8 | 16.30 | 25.33 | | 27.3 | 0.541 | | PASS |
| | | 3Down2Up Duty factor 2/8 | Lowest | 512 | 1850.2 | 19.15 | 25.17 | | 27.2 | 0.521 | Can't lower than22.25 | PASS |
| | | | Middle | 661 | 1880.0 | 19.23 | 25.25 | | 27.3 | 0.531 | Can't lower than22.34 | PASS |
| | | | Highest | 810 | 1909.8 | 19.19 | 25.21 | | 27.2 | 0.526 | Can't lower than22.33 | PASS |
| | | 2Down3Up Duty factor 3/8 | Lowest | 512 | 1850.2 | 20.75 | 25.01 | | 27.0 | 0.502 | Can't lower than20.45 | PASS |
| | | | Middle | 661 | 1880.0 | 20.86 | 25.12 | | 27.1 | 0.515 | Can't lower than20.54 | PASS |
| | | | Highest | 810 | 1909.8 | 20.80 | 25.06 | | 27.1 | 0.508 | Can't lower than20.53 | PASS |
| | | 1Down4Up Duty factor 4/8 | Lowest | 512 | 1850.2 | 21.84 | 24.85 | | 26.9 | 0.484 | Can't lower than19.25 | PASS |
| | | | Middle | 661 | 1880.0 | 21.95 | 24.96 | | 27.0 | 0.497 | Can't lower than19.34 | PASS |
| | | | Highest | 810 | 1909.8 | 21.90 | 24.91 | | 26.9 | 0.491 | Can't lower than19.33 | PASS |

| Band | Modulation | Date Rate or Sub-test | CH | | Frequency | Avg Conducted power (dBm) | Antenna Gain(dBi) | EIRP(dBm) | EIRP(W) | telorance (dBm) | Results |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WCDMA II | RMC12.2K | --- | Lowest | 9262 | 1852.4 | 23.44 | 2.00 | 25.44 | 0.350 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 23.68 | | 25.68 | 0.370 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 23.37 | | 25.37 | 0.344 | 24,+1.7/-3.7 | PASS |
| HSDPA II | QPSK | 1 | Lowest | 9262 | 1852.4 | 22.65 | | 24.65 | 0.292 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 22.80 | | 24.80 | 0.302 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 22.60 | | 24.60 | 0.288 | 24,+1.7/-3.7 | PASS |
| | | 2 | Lowest | 9262 | 1852.4 | 22.52 | | 24.52 | 0.283 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 22.66 | | 24.66 | 0.292 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 22.49 | | 24.49 | 0.281 | 24,+1.7/-3.7 | PASS |
| | | 3 | Lowest | 9262 | 1852.4 | 22.15 | | 24.15 | 0.260 | 23.5,+2.2/-3.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 22.31 | | 24.31 | 0.270 | 23.5,+2.2/-3.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 22.12 | | 24.12 | 0.258 | 23.5,+2.2/-3.7 | PASS |
| | | 4 | Lowest | 9262 | 1852.4 | 22.13 | | 24.13 | 0.259 | 23.5,+2.2/-3.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 22.29 | | 24.29 | 0.269 | 23.5,+2.2/-3.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 22.05 | | 24.05 | 0.254 | 23.5,+2.2/-3.7 | PASS |
| HSUPA II | | 1 | Lowest | 9262 | 1852.4 | 21.93 | | 23.93 | 0.247 | 24,+1.7/-6.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 22.07 | | 24.07 | 0.255 | 24,+1.7/-6.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 21.89 | | 23.89 | 0.245 | 24,+1.7/-6.7 | PASS |
| | | 2 | Lowest | 9262 | 1852.4 | 19.94 | | 21.94 | 0.156 | 22,+3.7/-5.2 | PASS |
| | | | Middle | 9400 | 1880.0 | 20.10 | | 22.10 | 0.162 | 22,+3.7/-5.2 | PASS |
| | | | Highest | 9538 | 1907.6 | 19.90 | | 21.90 | 0.155 | 22,+3.7/-5.2 | PASS |
| | | 3 | Lowest | 9262 | 1852.4 | 20.80 | | 22.80 | 0.191 | 23,+2.7/-5.2 | PASS |
| | | | Middle | 9400 | 1880.0 | 21.06 | | 23.06 | 0.202 | 23,+2.7/-5.2 | PASS |
| | | | Highest | 9538 | 1907.6 | 20.88 | | 22.88 | 0.194 | 23,+2.7/-5.2 | PASS |
| | | 4 | Lowest | 9262 | 1852.4 | 19.93 | | 21.93 | 0.156 | 22,+3.7/-5.2 | PASS |
| | | | Middle | 9400 | 1880.0 | 20.91 | | 22.91 | 0.195 | 22,+3.7/-5.2 | PASS |
| | | | Highest | 9538 | 1907.6 | 19.79 | | 21.79 | 0.151 | 22,+3.7/-5.2 | PASS |
| | | 5 | Lowest | 9262 | 1852.4 | 21.81 | | 23.81 | 0.240 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 9400 | 1880.0 | 21.93 | | 23.93 | 0.247 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 9538 | 1907.6 | 21.76 | | 23.76 | 0.238 | 24,+1.7/-3.7 | PASS |

| Band | Modulation | Date Rate or Sub-test | CH | | Frequency | Avg Conducted power (dBm) | Antenna Gain(dBi) | EIRP(dBm) | EIRP(W) | telorance (dBm) | Results |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WCDMA IV | RMC12.2K | --- | Lowest | 1312 | 1712.4 | 23.42 | 0.50 | 25.42 | 0.348 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 23.60 | | 25.60 | 0.363 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 23.57 | | 25.57 | 0.361 | 24,+1.7/-3.7 | PASS |
| HSDPA IV | QPSK | 1 | Lowest | 1312 | 1712.4 | 22.69 | | 24.69 | 0.294 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 22.77 | | 24.77 | 0.300 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 22.84 | | 24.84 | 0.305 | 24,+1.7/-3.7 | PASS |
| | | 2 | Lowest | 1312 | 1712.4 | 22.54 | | 24.54 | 0.284 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 22.61 | | 24.61 | 0.289 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 22.71 | | 24.71 | 0.296 | 24,+1.7/-3.7 | PASS |
| | | 3 | Lowest | 1312 | 1712.4 | 22.18 | | 24.18 | 0.262 | 23.5,+2.2/-3.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 22.24 | | 24.24 | 0.265 | 23.5,+2.2/-3.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 22.32 | | 24.32 | 0.270 | 23.5,+2.2/-3.7 | PASS |
| | | 4 | Lowest | 1312 | 1712.4 | 22.16 | | 24.16 | 0.261 | 23.5,+2.2/-3.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 22.26 | | 24.26 | 0.267 | 23.5,+2.2/-3.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 22.34 | | 24.34 | 0.272 | 23.5,+2.2/-3.7 | PASS |
| HSUPA IV | | 1 | Lowest | 1312 | 1712.4 | 21.94 | | 23.94 | 0.248 | 24,+1.7/-6.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 22.04 | | 24.04 | 0.254 | 24,+1.7/-6.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 22.10 | | 24.10 | 0.257 | 24,+1.7/-6.7 | PASS |
| | | 2 | Lowest | 1312 | 1712.4 | 20.00 | | 22.00 | 0.158 | 22,+3.7/-5.2 | PASS |
| | | | Middle | 1413 | 1732.6 | 19.93 | | 21.93 | 0.156 | 22,+3.7/-5.2 | PASS |
| | | | Highest | 1513 | 1752.6 | 20.00 | | 22.00 | 0.158 | 22,+3.7/-5.2 | PASS |
| | | 3 | Lowest | 1312 | 1712.4 | 20.95 | | 22.95 | 0.197 | 23,+2.7/-5.2 | PASS |
| | | | Middle | 1413 | 1732.6 | 20.94 | | 22.94 | 0.197 | 23,+2.7/-5.2 | PASS |
| | | | Highest | 1513 | 1752.6 | 21.15 | | 23.15 | 0.207 | 23,+2.7/-5.2 | PASS |
| | | 4 | Lowest | 1312 | 1712.4 | 19.98 | | 21.98 | 0.158 | 22,+3.7/-5.2 | PASS |
| | | | Middle | 1413 | 1732.6 | 20.89 | | 22.89 | 0.195 | 22,+3.7/-5.2 | PASS |
| | | | Highest | 1513 | 1752.6 | 20.00 | | 22.00 | 0.158 | 22,+3.7/-5.2 | PASS |
| | | 5 | Lowest | 1312 | 1712.4 | 21.83 | | 23.83 | 0.242 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 1413 | 1732.6 | 21.97 | | 23.97 | 0.249 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 1513 | 1752.6 | 22.00 | | 24.00 | 0.251 | 24,+1.7/-3.7 | PASS |

| Band | Modulation | Date Rate or Sub-test | CH | | Frequency (MHz) | Avg Conducted power (dBm) | Antenna Gain(dBi) | ERP(dBm) | ERP(W) | telorance (dBm) | Results |
|---|---|---|---|---|---|---|---|---|---|---|---|
| WCDMA V | RMC12.2K | --- | Lowest | 4132 | 826.4 | 23.33 | -1.20 | 19.98 | 0.100 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 4183 | 836.6 | 23.46 | | 20.11 | 0.103 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 4233 | 846.6 | 23.37 | | 20.02 | 0.100 | 24,+1.7/-3.7 | PASS |
| HSDPA V | QPSK | 1 | Lowest | 4132 | 826.4 | 22.55 | | 19.20 | 0.083 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 4183 | 836.6 | 22.72 | | 19.37 | 0.086 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 4233 | 846.6 | 22.65 | | 19.30 | 0.085 | 24,+1.7/-3.7 | PASS |
| | | 2 | Lowest | 4132 | 826.4 | 22.39 | | 19.04 | 0.080 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 4183 | 836.6 | 22.58 | | 19.23 | 0.084 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 4233 | 846.6 | 22.48 | | 19.13 | 0.082 | 24,+1.7/-3.7 | PASS |
| | | 3 | Lowest | 4132 | 826.4 | 22.06 | | 18.71 | 0.074 | 23.5,+2.2/-3.7 | PASS |
| | | | Middle | 4183 | 836.6 | 22.21 | | 18.86 | 0.077 | 23.5,+2.2/-3.7 | PASS |
| | | | Highest | 4233 | 846.6 | 22.13 | | 18.78 | 0.076 | 23.5,+2.2/-3.7 | PASS |
| | | 4 | Lowest | 4132 | 826.4 | 22.01 | | 18.66 | 0.073 | 23.5,+2.2/-3.7 | PASS |
| | | | Middle | 4183 | 836.6 | 22.19 | | 18.84 | 0.077 | 23.5,+2.2/-3.7 | PASS |
| | | | Highest | 4233 | 846.6 | 22.13 | | 18.78 | 0.076 | 23.5,+2.2/-3.7 | PASS |
| HSUPA V | | 1 | Lowest | 4132 | 826.4 | 21.84 | | 18.49 | 0.071 | 24,+1.7/-6.7 | PASS |
| | | | Middle | 4183 | 836.6 | 22.00 | | 18.65 | 0.073 | 24,+1.7/-6.7 | PASS |
| | | | Highest | 4233 | 846.6 | 21.92 | | 18.57 | 0.072 | 24,+1.7/-6.7 | PASS |
| | | 2 | Lowest | 4132 | 826.4 | 19.80 | | 16.45 | 0.044 | 22,+3.7/-5.2 | PASS |
| | | | Middle | 4183 | 836.6 | 19.93 | | 16.58 | 0.045 | 22,+3.7/-5.2 | PASS |
| | | | Highest | 4233 | 846.6 | 19.88 | | 16.53 | 0.045 | 22,+3.7/-5.2 | PASS |
| | | 3 | Lowest | 4132 | 826.4 | 20.83 | | 17.48 | 0.056 | 23,+2.7/-5.2 | PASS |
| | | | Middle | 4183 | 836.6 | 21.05 | | 17.70 | 0.059 | 23,+2.7/-5.2 | PASS |
| | | | Highest | 4233 | 846.6 | 20.80 | | 17.45 | 0.056 | 23,+2.7/-5.2 | PASS |
| | | 4 | Lowest | 4132 | 826.4 | 19.77 | | 16.42 | 0.044 | 22,+3.7/-5.2 | PASS |
| | | | Middle | 4183 | 836.6 | 20.83 | | 17.48 | 0.056 | 22,+3.7/-5.2 | PASS |
| | | | Highest | 4233 | 846.6 | 19.83 | | 16.48 | 0.044 | 22,+3.7/-5.2 | PASS |
| | | 5 | Lowest | 4132 | 826.4 | 21.66 | | 18.31 | 0.068 | 24,+1.7/-3.7 | PASS |
| | | | Middle | 4183 | 836.6 | 21.96 | | 18.61 | 0.073 | 24,+1.7/-3.7 | PASS |
| | | | Highest | 4233 | 846.6 | 21.66 | | 18.31 | 0.068 | 24,+1.7/-3.7 | PASS |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 2 | 1.4 MHz | QPSK | 18900 | 1880 | 1 | 0 | 23.08 | 2 | 25.08 | 0.322 | ≦ 2 |
| | | 16QAM | 18900 | 1880 | 1 | 0 | 22.46 | 2 | 24.46 | 0.279 | ≦ 2 |
| | | 64QAM | 19193 | 1909.3 | 1 | 0 | 21.67 | 2 | 23.67 | 0.233 | ≦ 2 |
| | 3 MHz | QPSK | 18900 | 1880 | 1 | 0 | 23.14 | 2 | 25.14 | 0.327 | ≦ 2 |
| | | 16QAM | 19185 | 1908.5 | 1 | 0 | 22.45 | 2 | 24.45 | 0.279 | ≦ 2 |
| | | 64QAM | 18900 | 1880 | 1 | 0 | 21.63 | 2 | 23.63 | 0.231 | ≦ 2 |
| | 5 MHz | QPSK | 18900 | 1880 | 1 | 0 | 23.18 | 2 | 25.18 | 0.330 | ≦ 2 |
| | | 16QAM | 19175 | 1907.5 | 1 | 0 | 22.44 | 2 | 24.44 | 0.278 | ≦ 2 |
| | | 64QAM | 18900 | 1880 | 1 | 0 | 21.69 | 2 | 23.69 | 0.234 | ≦ 2 |
| | 10 MHz | QPSK | 18900 | 1880 | 1 | 0 | 23.10 | 2 | 25.10 | 0.324 | ≦ 2 |
| | | 16QAM | 18900 | 1880 | 1 | 0 | 22.36 | 2 | 24.36 | 0.273 | ≦ 2 |
| | | 64QAM | 19150 | 1905 | 1 | 0 | 21.66 | 2 | 23.66 | 0.232 | ≦ 2 |
| | 15 MHz | QPSK | 18900 | 1880 | 1 | 0 | 23.15 | 2 | 25.15 | 0.327 | ≦ 2 |
| | | 16QAM | 19125 | 1902.5 | 1 | 0 | 22.42 | 2 | 24.42 | 0.277 | ≦ 2 |
| | | 64QAM | 18900 | 1880 | 1 | 0 | 21.64 | 2 | 23.64 | 0.231 | ≦ 2 |
| | 20 MHz | QPSK | 19100 | 1900 | 1 | 0 | 23.20 | 2 | 25.20 | 0.331 | ≦ 2 |
| | | 16QAM | 18900 | 1880 | 1 | 0 | 22.41 | 2 | 24.41 | 0.276 | ≦ 2 |
| | | 64QAM | 19100 | 1900 | 1 | 0 | 21.66 | 2 | 23.66 | 0.232 | ≦ 2 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 4 | 1.4 MHz | QPSK | 20393 | 1754.3 | 1 | 0 | 23.24 | 0.5 | 23.74 | 0.237 | ≦ 1 |
| | | 16QAM | 20175 | 1732.5 | 1 | 2 | 22.58 | 0.5 | 23.08 | 0.203 | ≦ 1 |
| | | 64QAM | 20175 | 1732.5 | 1 | 2 | 21.77 | 0.5 | 22.27 | 0.169 | ≦ 1 |
| | 3 MHz | QPSK | 20175 | 1732.5 | 1 | 0 | 23.25 | 0.5 | 23.75 | 0.237 | ≦ 1 |
| | | 16QAM | 20175 | 1732.5 | 1 | 14 | 22.56 | 0.5 | 23.06 | 0.202 | ≦ 1 |
| | | 64QAM | 20175 | 1732.5 | 1 | 7 | 21.79 | 0.5 | 22.29 | 0.169 | ≦ 1 |
| | 5 MHz | QPSK | 19975 | 1712.5 | 1 | 0 | 23.22 | 0.5 | 23.72 | 0.236 | ≦ 1 |
| | | 16QAM | 19975 | 1712.5 | 1 | 24 | 22.52 | 0.5 | 23.02 | 0.200 | ≦ 1 |
| | | 64QAM | 20175 | 1732.5 | 1 | 12 | 21.80 | 0.5 | 22.30 | 0.170 | ≦ 1 |
| | 10 MHz | QPSK | 20175 | 1732.5 | 1 | 0 | 23.21 | 0.5 | 23.71 | 0.235 | ≦ 1 |
| | | 16QAM | 20350 | 1750 | 1 | 0 | 22.57 | 0.5 | 23.07 | 0.203 | ≦ 1 |
| | | 64QAM | 20175 | 1732.5 | 1 | 49 | 21.75 | 0.5 | 22.25 | 0.168 | ≦ 1 |
| | 15 MHz | QPSK | 20025 | 1717.5 | 1 | 0 | 23.23 | 0.5 | 23.73 | 0.236 | ≦ 1 |
| | | 16QAM | 20025 | 1717.5 | 1 | 74 | 22.62 | 0.5 | 23.12 | 0.205 | ≦ 1 |
| | | 64QAM | 20175 | 1732.5 | 1 | 37 | 21.72 | 0.5 | 22.22 | 0.167 | ≦ 1 |
| | 20 MHz | QPSK | 20175 | 1732.5 | 1 | 0 | 23.27 | 0.5 | 23.77 | 0.238 | ≦ 1 |
| | | 16QAM | 20175 | 1732.5 | 1 | 99 | 22.56 | 0.5 | 23.06 | 0.202 | ≦ 1 |
| | | 64QAM | 20175 | 1732.5 | 1 | 0 | 21.77 | 0.5 | 22.27 | 0.169 | ≦ 1 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 5 | 1.4 MHz | QPSK | 20525 | 836.5 | 1 | 0 | 23.17 | -1.2 | 19.82 | 0.096 | ≦ 3 |
| | | 16QAM | 20525 | 836.5 | 1 | 0 | 22.53 | -1.2 | 19.18 | 0.083 | ≦ 3 |
| | | 64QAM | 20525 | 836.5 | 1 | 0 | 21.83 | -1.2 | 18.48 | 0.070 | ≦ 3 |
| | 3 MHz | QPSK | 20525 | 836.5 | 1 | 0 | 23.23 | -1.2 | 19.88 | 0.097 | ≦ 3 |
| | | 16QAM | 20525 | 836.5 | 1 | 0 | 22.54 | -1.2 | 19.19 | 0.083 | ≦ 3 |
| | | 64QAM | 20525 | 836.5 | 1 | 0 | 21.83 | -1.2 | 18.48 | 0.070 | ≦ 3 |
| | 5 MHz | QPSK | 20525 | 836.5 | 1 | 0 | 23.18 | -1.2 | 19.83 | 0.096 | ≦ 3 |
| | | 16QAM | 20425 | 826.5 | 1 | 0 | 22.56 | -1.2 | 19.21 | 0.083 | ≦ 3 |
| | | 64QAM | 20525 | 836.5 | 1 | 0 | 21.80 | -1.2 | 18.45 | 0.070 | ≦ 3 |
| | 10 MHz | QPSK | 20525 | 836.5 | 1 | 0 | 23.25 | -1.2 | 19.90 | 0.098 | ≦ 3 |
| | | 16QAM | 20450 | 829 | 1 | 0 | 22.53 | -1.2 | 19.18 | 0.083 | ≦ 3 |
| | | 64QAM | 20525 | 836.5 | 1 | 0 | 21.78 | -1.2 | 18.43 | 0.070 | ≦ 3 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 7 | 5 MHz | QPSK | 21425 | 2567.5 | 1 | 0 | 23.06 | -0.4 | 22.66 | 0.185 | ≦ 2 |
| | | 16QAM | 20775 | 2502.5 | 1 | 0 | 22.31 | -0.4 | 21.91 | 0.155 | ≦ 2 |
| | | 64QAM | 20775 | 2502.5 | 1 | 12 | 21.55 | -0.4 | 21.15 | 0.130 | ≦ 2 |
| | 10 MHz | QPSK | 21400 | 2565 | 1 | 0 | 23.04 | -0.4 | 22.64 | 0.184 | ≦ 2 |
| | | 16QAM | 21400 | 2565 | 1 | 0 | 22.32 | -0.4 | 21.92 | 0.156 | ≦ 2 |
| | | 64QAM | 20800 | 2505 | 1 | 0 | 21.57 | -0.4 | 21.17 | 0.131 | ≦ 2 |
| | 15 MHz | QPSK | 20825 | 2507.5 | 1 | 0 | 23.01 | -0.4 | 22.61 | 0.182 | ≦ 2 |
| | | 16QAM | 20825 | 2507.5 | 1 | 0 | 22.30 | -0.4 | 21.90 | 0.155 | ≦ 2 |
| | | 64QAM | 20825 | 2507.5 | 1 | 0 | 21.56 | -0.4 | 21.16 | 0.131 | ≦ 2 |
| | 20 MHz | QPSK | 21350 | 2560 | 1 | 0 | 23.09 | -0.4 | 22.69 | 0.186 | ≦ 2 |
| | | 16QAM | 21350 | 2560 | 1 | 0 | 22.37 | -0.4 | 21.97 | 0.157 | ≦ 2 |
| | | 64QAM | 20850 | 2510 | 1 | 0 | 21.58 | -0.4 | 21.18 | 0.131 | ≦ 2 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 12 | 1.4 MHz | QPSK | 23173 | 715.3 | 1 | 0 | 23.19 | -2.4 | 18.64 | 0.073 | ≦ 3 |
| | | 16QAM | 23173 | 715.3 | 1 | 0 | 22.53 | -2.4 | 17.98 | 0.063 | ≦ 3 |
| | | 64QAM | 23173 | 715.3 | 1 | 0 | 21.77 | -2.4 | 17.22 | 0.053 | ≦ 3 |
| | 3 MHz | QPSK | 23095 | 707.5 | 1 | 0 | 23.21 | -2.4 | 18.66 | 0.073 | ≦ 3 |
| | | 16QAM | 23095 | 707.5 | 1 | 0 | 22.53 | -2.4 | 17.98 | 0.063 | ≦ 3 |
| | | 64QAM | 23165 | 714.5 | 1 | 7 | 21.77 | -2.4 | 17.22 | 0.053 | ≦ 3 |
| | 5 MHz | QPSK | 23035 | 701.5 | 1 | 0 | 23.24 | -2.4 | 18.69 | 0.074 | ≦ 3 |
| | | 16QAM | 23155 | 713.5 | 1 | 0 | 22.53 | -2.4 | 17.98 | 0.063 | ≦ 3 |
| | | 64QAM | 23155 | 713.5 | 1 | 12 | 21.73 | -2.4 | 17.18 | 0.052 | ≦ 3 |
| | 10 MHz | QPSK | 23130 | 711 | 1 | 0 | 23.28 | -2.4 | 18.73 | 0.075 | ≦ 3 |
| | | 16QAM | 23130 | 711 | 1 | 0 | 22.60 | -2.4 | 18.05 | 0.064 | ≦ 3 |
| | | 64QAM | 23095 | 707.5 | 1 | 0 | 21.78 | -2.4 | 17.23 | 0.053 | ≦ 3 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 13 | 5 MHz | QPSK | 23230 | 782 | 1 | 0 | 23.29 | -1 | 20.14 | 0.103 | ≦ 3 |
| | | 16QAM | 23255 | 784.5 | 1 | 0 | 22.54 | -1 | 19.39 | 0.087 | ≦ 3 |
| | | 64QAM | 23230 | 782 | 1 | 0 | 21.77 | -1 | 18.62 | 0.073 | ≦ 3 |
| | 10 MHz | QPSK | 23230 | 782 | 1 | 0 | 23.31 | -1 | 20.16 | 0.104 | ≦ 3 |
| | | 16QAM | 23230 | 782 | 1 | 0 | 22.53 | -1 | 19.38 | 0.087 | ≦ 3 |
| | | 64QAM | 23230 | 782 | 1 | 0 | 21.75 | -1 | 18.60 | 0.072 | ≦ 3 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 14 | 5 MHz | QPSK | 23355 | 795.5 | 1 | 0 | 23.26 | -1 | 20.11 | 0.103 | ≦ 3 |
| | | 16QAM | 23330 | 793 | 1 | 0 | 22.57 | -1 | 19.42 | 0.087 | ≦ 3 |
| | | 64QAM | 23305 | 790.5 | 1 | 0 | 21.80 | -1 | 18.65 | 0.073 | ≦ 3 |
| | 10 MHz | QPSK | 23330 | 793 | 1 | 0 | 23.29 | -1 | 20.14 | 0.103 | ≦ 3 |
| | | 16QAM | 23330 | 793 | 1 | 0 | 22.53 | -1 | 19.38 | 0.087 | ≦ 3 |
| | | 64QAM | 23330 | 793 | 1 | 0 | 21.75 | -1 | 18.60 | 0.072 | ≦ 3 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 25 | 1.4 MHz | QPSK | 26365 | 1882.5 | 1 | 0 | 23.24 | 2 | 25.24 | 0.334 | ≦ 2 |
| | | 16QAM | 26047 | 1850.7 | 1 | 0 | 22.51 | 2 | 24.51 | 0.282 | ≦ 2 |
| | | 64QAM | 26365 | 1882.5 | 1 | 2 | 21.79 | 2 | 23.79 | 0.239 | ≦ 2 |
| | 3 MHz | QPSK | 26365 | 1882.5 | 1 | 0 | 23.22 | 2 | 25.22 | 0.333 | ≦ 2 |
| | | 16QAM | 26055 | 1851.5 | 1 | 0 | 22.42 | 2 | 24.42 | 0.277 | ≦ 2 |
| | | 64QAM | 26365 | 1882.5 | 1 | 7 | 21.82 | 2 | 23.82 | 0.241 | ≦ 2 |
| | 5 MHz | QPSK | 26065 | 1852.5 | 1 | 0 | 23.25 | 2 | 25.25 | 0.335 | ≦ 2 |
| | | 16QAM | 26065 | 1852.5 | 1 | 0 | 22.53 | 2 | 24.53 | 0.284 | ≦ 2 |
| | | 64QAM | 26365 | 1882.5 | 1 | 12 | 21.81 | 2 | 23.81 | 0.240 | ≦ 2 |
| | 10 MHz | QPSK | 26365 | 1882.5 | 1 | 0 | 23.23 | 2 | 25.23 | 0.333 | ≦ 2 |
| | | 16QAM | 26365 | 1882.5 | 1 | 0 | 22.58 | 2 | 24.58 | 0.287 | ≦ 2 |
| | | 64QAM | 26365 | 1882.5 | 1 | 24 | 21.82 | 2 | 23.82 | 0.241 | ≦ 2 |
| | 15 MHz | QPSK | 26115 | 1857.5 | 1 | 0 | 23.26 | 2 | 25.26 | 0.336 | ≦ 2 |
| | | 16QAM | 26115 | 1857.5 | 1 | 0 | 22.47 | 2 | 24.47 | 0.280 | ≦ 2 |
| | | 64QAM | 26365 | 1882.5 | 1 | 37 | 21.82 | 2 | 23.82 | 0.241 | ≦ 2 |
| | 20 MHz | QPSK | 26140 | 1860 | 1 | 0 | 23.29 | 2 | 25.29 | 0.338 | ≦ 2 |
| | | 16QAM | 26140 | 1860 | 1 | 0 | 22.46 | 2 | 24.46 | 0.279 | ≦ 2 |
| | | 64QAM | 26140 | 1860 | 1 | 0 | 21.76 | 2 | 23.76 | 0.238 | ≦ 2 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 26 814~824 MHz | 1.4 MHz | QPSK | 26697 | 814.7 | 1 | 0 | 23.17 | -1.2 | 19.82 | 0.096 | NA |
| | | 16QAM | 26697 | 814.7 | 1 | 0 | 22.50 | -1.2 | 19.15 | 0.082 | NA |
| | | 64QAM | 26740 | 819 | 1 | 0 | 21.79 | -1.2 | 18.44 | 0.070 | NA |
| | 3 MHz | QPSK | 26705 | 815.5 | 1 | 0 | 23.19 | -1.2 | 19.84 | 0.096 | NA |
| | | 16QAM | 26705 | 815.5 | 1 | 0 | 22.50 | -1.2 | 19.15 | 0.082 | NA |
| | | 64QAM | 26740 | 819 | 1 | 0 | 21.80 | -1.2 | 18.45 | 0.070 | NA |
| | 5 MHz | QPSK | 26765 | 821.5 | 1 | 0 | 23.20 | -1.2 | 19.85 | 0.097 | NA |
| | | 16QAM | 26715 | 816.5 | 1 | 0 | 22.45 | -1.2 | 19.10 | 0.081 | NA |
| | | 64QAM | 26715 | 816.5 | 1 | 0 | 21.79 | -1.2 | 18.44 | 0.070 | NA |
| | 10 MHz | QPSK | 26740 | 819 | 1 | 0 | 23.23 | -1.2 | 19.88 | 0.097 | NA |
| | | 16QAM | 26740 | 819 | 1 | 0 | 22.56 | -1.2 | 19.21 | 0.083 | NA |
| | | 64QAM | 26740 | 819 | 1 | 0 | 21.77 | -1.2 | 18.42 | 0.070 | NA |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 26 824~849 MHz | 1.4 MHz | QPSK | 26915 | 836.5 | 1 | 0 | 23.18 | -1.2 | 19.83 | 0.096 | ≦ 7 |
| | | 16QAM | 26797 | 824.7 | 1 | 0 | 22.58 | -1.2 | 19.23 | 0.084 | ≦ 7 |
| | | 64QAM | 27033 | 848.3 | 1 | 0 | 21.74 | -1.2 | 18.39 | 0.069 | ≦ 7 |
| | 3 MHz | QPSK | 27025 | 847.5 | 1 | 0 | 23.21 | -1.2 | 19.86 | 0.097 | ≦ 7 |
| | | 16QAM | 26805 | 825.5 | 1 | 0 | 22.49 | -1.2 | 19.14 | 0.082 | ≦ 7 |
| | | 64QAM | 27025 | 847.5 | 1 | 0 | 21.80 | -1.2 | 18.45 | 0.070 | ≦ 7 |
| | 5 MHz | QPSK | 27015 | 846.5 | 1 | 0 | 23.23 | -1.2 | 19.88 | 0.097 | ≦ 7 |
| | | 16QAM | 26915 | 836.5 | 1 | 0 | 22.44 | -1.2 | 19.09 | 0.081 | ≦ 7 |
| | | 64QAM | 26915 | 836.5 | 1 | 12 | 21.80 | -1.2 | 18.45 | 0.070 | ≦ 7 |
| | 10 MHz | QPSK | 26840 | 829 | 1 | 0 | 23.24 | -1.2 | 19.89 | 0.097 | ≦ 7 |
| | | 16QAM | 26840 | 829 | 1 | 0 | 22.48 | -1.2 | 19.13 | 0.082 | ≦ 7 |
| | | 64QAM | 26915 | 836.5 | 1 | 49 | 21.73 | -1.2 | 18.38 | 0.069 | ≦ 7 |
| | 15 MHz | QPSK | 26915 | 836.5 | 1 | 0 | 23.25 | -1.2 | 19.90 | 0.098 | ≦ 7 |
| | | 16QAM | 26965 | 841.5 | 1 | 0 | 22.49 | -1.2 | 19.14 | 0.082 | ≦ 7 |
| | | 64QAM | 26865 | 831.5 | 1 | 0 | 21.81 | -1.2 | 18.46 | 0.070 | ≦ 7 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W/5 MHz) |
| LTE Band 30 | 5 MHz | QPSK | 27710 | 2310 | 1 | 0 | 22.86 | -0.9 | 21.96 | 0.157 | ≦ 0.25 |
| | | 16QAM | 27685 | 2307.5 | 1 | 0 | 22.14 | -0.9 | 21.24 | 0.133 | ≦ 0.25 |
| | | 64QAM | 27685 | 2307.5 | 1 | 24 | 21.47 | -0.9 | 20.57 | 0.114 | ≦ 0.25 |
| | 10 MHz | QPSK | 27710 | 2310 | 1 | 0 | 22.87 | -0.9 | 21.97 | 0.157 | ≦ 0.25 |
| | | 16QAM | 27710 | 2310 | 1 | 24 | 22.10 | -0.9 | 21.20 | 0.132 | ≦ 0.25 |
| | | 64QAM | 27710 | 2310 | 1 | 24 | 21.47 | -0.9 | 20.57 | 0.114 | ≦ 0.25 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 38 | 5 MHz | QPSK | 38000 | 2595 | 1 | 0 | 22.96 | -0.4 | 22.56 | 0.180 | ≦ 2 |
| | | 16QAM | 38225 | 2617.5 | 1 | 12 | 22.22 | -0.4 | 21.82 | 0.152 | ≦ 2 |
| | | 64QAM | 38225 | 2617.5 | 1 | 24 | 21.44 | -0.4 | 21.04 | 0.127 | ≦ 2 |
| | 10 MHz | QPSK | 38200 | 2615 | 1 | 0 | 22.90 | -0.4 | 22.50 | 0.178 | ≦ 2 |
| | | 16QAM | 38200 | 2615 | 1 | 0 | 22.16 | -0.4 | 21.76 | 0.150 | ≦ 2 |
| | | 64QAM | 38200 | 2615 | 1 | 24 | 21.48 | -0.4 | 21.08 | 0.128 | ≦ 2 |
| | 15 MHz | QPSK | 37825 | 2577.5 | 1 | 0 | 22.92 | -0.4 | 22.52 | 0.179 | ≦ 2 |
| | | 16QAM | 38175 | 2612.5 | 1 | 0 | 22.20 | -0.4 | 21.80 | 0.151 | ≦ 2 |
| | | 64QAM | 38175 | 2612.5 | 1 | 37 | 21.46 | -0.4 | 21.06 | 0.128 | ≦ 2 |
| | 20 MHz | QPSK | 38000 | 2595 | 1 | 0 | 22.98 | -0.4 | 22.58 | 0.181 | ≦ 2 |
| | | 16QAM | 38150 | 2610 | 1 | 0 | 22.30 | -0.4 | 21.90 | 0.155 | ≦ 2 |
| | | 64QAM | 38150 | 2610 | 1 | 0 | 21.46 | -0.4 | 21.06 | 0.128 | ≦ 2 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W/5 MHz) |
| LTE Band 40 2305~2315MHz | 5 MHz | QPSK | 38750 | 2310 | 1 | 0 | 22.89 | -0.9 | 21.99 | 0.158 | ≦ 0.25 |
| | | 16QAM | 38750 | 2310 | 1 | 0 | 22.25 | -0.9 | 21.35 | 0.136 | ≦ 0.25 |
| | | 64QAM | 38725 | 2307.5 | 1 | 24 | 21.46 | -0.9 | 20.56 | 0.114 | ≦ 0.25 |
| | 10 MHz | QPSK | 38750 | 2310 | 1 | 0 | 22.93 | -0.9 | 22.03 | 0.160 | ≦ 0.25 |
| | | 16QAM | 38750 | 2310 | 1 | 0 | 22.17 | -0.9 | 21.27 | 0.134 | ≦ 0.25 |
| | | 64QAM | 38750 | 2310 | 1 | 24 | 21.41 | -0.9 | 20.51 | 0.112 | ≦ 0.25 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W/5 MHz) |
| LTE Band 40 2350~2360MHz | 5 MHz | QPSK | 39200 | 2355 | 1 | 0 | 22.85 | -0.9 | 21.95 | 0.157 | ≦ 0.25 |
| | | 16QAM | 39200 | 2355 | 1 | 0 | 22.16 | -0.9 | 21.26 | 0.134 | ≦ 0.25 |
| | | 64QAM | 39200 | 2355 | 1 | 0 | 21.39 | -0.9 | 20.49 | 0.112 | ≦ 0.25 |
| | 10 MHz | QPSK | 39200 | 2355 | 1 | 0 | 22.87 | -0.9 | 21.97 | 0.157 | ≦ 0.25 |
| | | 16QAM | 39200 | 2355 | 1 | 0 | 22.09 | -0.9 | 21.19 | 0.132 | ≦ 0.25 |
| | | 64QAM | 39200 | 2355 | 1 | 0 | 21.26 | -0.9 | 20.36 | 0.109 | ≦ 0.25 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 41 | 5 MHz | QPSK | 41565 | 2687.5 | 1 | 0 | 22.92 | -0.4 | 22.52 | 0.179 | ≦ 2 |
| | | 16QAM | 39675 | 2498.5 | 1 | 24 | 22.24 | -0.4 | 21.84 | 0.153 | ≦ 2 |
| | | 64QAM | 40620 | 2593 | 1 | 0 | 21.47 | -0.4 | 21.07 | 0.128 | ≦ 2 |
| | 10 MHz | QPSK | 41540 | 2685 | 1 | 0 | 22.94 | -0.4 | 22.54 | 0.179 | ≦ 2 |
| | | 16QAM | 41540 | 2685 | 1 | 0 | 22.26 | -0.4 | 21.86 | 0.153 | ≦ 2 |
| | | 64QAM | 39700 | 2501 | 1 | 49 | 21.50 | -0.4 | 21.10 | 0.129 | ≦ 2 |
| | 15 MHz | QPSK | 41515 | 2682.5 | 1 | 0 | 22.91 | -0.4 | 22.51 | 0.178 | ≦ 2 |
| | | 16QAM | 41515 | 2682.5 | 1 | 0 | 22.27 | -0.4 | 21.87 | 0.154 | ≦ 2 |
| | | 64QAM | 39725 | 2503.5 | 1 | 0 | 21.48 | -0.4 | 21.08 | 0.128 | ≦ 2 |
| | 20 MHz | QPSK | 41490 | 2680 | 1 | 0 | 23.01 | -0.4 | 22.61 | 0.182 | ≦ 2 |
| | | 16QAM | 41490 | 2680 | 1 | 0 | 22.29 | -0.4 | 21.89 | 0.155 | ≦ 2 |
| | | 64QAM | 39750 | 2506 | 1 | 99 | 21.52 | -0.4 | 21.12 | 0.129 | ≦ 2 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Ant. Pol. | SPA. Reading | Correction Factor | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (H/V) | (dBm) | (dB) | (dBm) | (W) | (dBm/10MHz) |
| LTE Band 42 3450~3550MHz | 5 MHz | QPSK | 42115 | 3452.5 | 1 | 0 | H | -29.73 | 50.08 | 20.35 | 0.108 | ≦ 23 |
| | | 16QAM | 42590 | 3500 | 1 | 0 | H | -29.83 | 50.13 | 20.30 | 0.107 | ≦ 23 |
| | | 64QAM | 42115 | 3452.5 | 1 | 0 | H | -30.14 | 50.08 | 19.94 | 0.099 | ≦ 23 |
| | 10 MHz | QPSK | 42140 | 3455 | 1 | 0 | H | -29.75 | 50.09 | 20.34 | 0.108 | ≦ 23 |
| | | 16QAM | 42590 | 3500 | 1 | 0 | H | -29.86 | 50.13 | 20.27 | 0.106 | ≦ 23 |
| | | 64QAM | 42140 | 3455 | 1 | 0 | H | -30.20 | 50.09 | 19.89 | 0.097 | ≦ 23 |
| | 15 MHz | QPSK | 42165 | 3457.5 | 1 | 0 | H | -29.79 | 50.12 | 20.33 | 0.108 | ≦ 23 |
| | | 16QAM | 42165 | 3457.5 | 1 | 0 | H | -29.83 | 50.12 | 20.29 | 0.107 | ≦ 23 |
| | | 64QAM | 42165 | 3457.5 | 1 | 0 | H | -30.20 | 50.12 | 19.92 | 0.098 | ≦ 23 |
| | 20 MHz | QPSK | 42190 | 3460 | 1 | 0 | H | -29.74 | 50.12 | 20.38 | 0.109 | ≦ 23 |
| | | 16QAM | 42590 | 3500 | 1 | 0 | H | -29.84 | 50.13 | 20.29 | 0.107 | ≦ 23 |
| | | 64QAM | 42190 | 3460 | 1 | 0 | H | -30.18 | 50.12 | 19.94 | 0.099 | ≦ 23 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Ant. Pol. | SPA. Reading | Correction Factor | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (H/V) | (dBm) | (dB) | (dBm) | (W) | (dBm/10 MHz) |
| LTE Band 42 3550~3600MHz | 5 MHz | QPSK | 43115 | 3552.5 | 1 | 0 | H | -29.78 | 50.13 | 20.35 | 0.108 | ≦ 23 |
| | | 16QAM | 43340 | 3575 | 1 | 0 | H | -29.84 | 50.13 | 20.29 | 0.107 | ≦ 23 |
| | | 64QAM | 43115 | 3552.5 | 1 | 0 | H | -30.25 | 50.13 | 19.88 | 0.097 | ≦ 23 |
| | 10 MHz | QPSK | 43140 | 3555 | 1 | 0 | H | -29.80 | 50.13 | 20.33 | 0.108 | ≦ 23 |
| | | 16QAM | 43140 | 3555 | 1 | 0 | H | -29.87 | 50.13 | 20.26 | 0.106 | ≦ 23 |
| | | 64QAM | 43140 | 3555 | 1 | 0 | H | -30.24 | 50.13 | 19.89 | 0.097 | ≦ 23 |
| | 15 MHz | QPSK | 43165 | 3557.5 | 1 | 0 | H | -29.82 | 50.14 | 20.32 | 0.108 | ≦ 23 |
| | | 16QAM | 43165 | 3557.5 | 1 | 0 | H | -29.87 | 50.14 | 20.27 | 0.106 | ≦ 23 |
| | | 64QAM | 43165 | 3557.5 | 1 | 0 | H | -30.29 | 50.14 | 19.85 | 0.097 | ≦ 23 |
| | 20 MHz | QPSK | 43190 | 3560 | 1 | 0 | H | -29.77 | 50.14 | 20.37 | 0.109 | ≦ 23 |
| | | 16QAM | 43190 | 3560 | 1 | 0 | H | -29.89 | 50.14 | 20.25 | 0.106 | ≦ 23 |
| | | 64QAM | 43190 | 3560 | 1 | 0 | H | -30.21 | 50.14 | 19.93 | 0.098 | ≦ 23 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Ant. Pol. | SPA. Reading | Correction Factor | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (H/V) | (dBm) | (dB) | (dBm) | (W) | (dBm/10 MHz) |
| LTE Band 43 3600~3700MHz | 5 MHz | QPSK | 44090 | 3650 | 1 | 0 | H | -29.79 | 50.17 | 20.38 | 0.109 | ≦ 23 |
| | | 16QAM | 44090 | 3650 | 1 | 0 | H | -29.92 | 50.17 | 20.25 | 0.106 | ≦ 23 |
| | | 64QAM | 44090 | 3650 | 1 | 0 | H | -30.36 | 50.17 | 19.81 | 0.096 | ≦ 23 |
| | 10 MHz | QPSK | 44540 | 3695 | 1 | 0 | H | -29.81 | 50.17 | 20.36 | 0.109 | ≦ 23 |
| | | 16QAM | 44090 | 3650 | 1 | 0 | H | -29.93 | 50.17 | 20.24 | 0.106 | ≦ 23 |
| | | 64QAM | 44090 | 3650 | 1 | 0 | H | -30.34 | 50.17 | 19.83 | 0.096 | ≦ 23 |
| | 15 MHz | QPSK | 44090 | 3650 | 1 | 0 | H | -29.80 | 50.17 | 20.37 | 0.109 | ≦ 23 |
| | | 16QAM | 43665 | 3607.5 | 1 | 0 | H | -29.91 | 50.14 | 20.23 | 0.105 | ≦ 23 |
| | | 64QAM | 43665 | 3607.5 | 1 | 0 | H | -30.34 | 50.14 | 19.80 | 0.095 | ≦ 23 |
| | 20 MHz | QPSK | 43690 | 3610 | 1 | 0 | H | -29.75 | 50.15 | 20.40 | 0.110 | ≦ 23 |
| | | 16QAM | 43690 | 3610 | 1 | 0 | H | -29.82 | 50.15 | 20.33 | 0.108 | ≦ 23 |
| | | 64QAM | 43690 | 3610 | 1 | 0 | H | -30.35 | 50.15 | 19.80 | 0.095 | ≦ 23 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Ant. Pol. | SPA. Reading | Correction Factor | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (H/V) | (dBm) | (dB) | (dBm) | (W) | (dBm/10 MHz) |
| LTE Band 48 | 5 MHz | QPSK | 55265 | 3552.5 | 1 | 0 | H | -29.72 | 50.13 | 20.41 | 0.110 | ≦ 23 |
| | | 16QAM | 55990 | 3625 | 1 | 0 | H | -29.80 | 50.17 | 20.37 | 0.109 | ≦ 23 |
| | | 64QAM | 55990 | 3625 | 1 | 0 | H | -30.24 | 50.17 | 19.93 | 0.098 | ≦ 23 |
| | 10 MHz | QPSK | 55290 | 3555 | 1 | 0 | H | -29.77 | 50.13 | 20.36 | 0.109 | ≦ 23 |
| | | 16QAM | 55290 | 3555 | 1 | 0 | H | -29.77 | 50.13 | 20.36 | 0.109 | ≦ 23 |
| | | 64QAM | 55990 | 3625 | 1 | 0 | H | -30.21 | 50.17 | 19.96 | 0.099 | ≦ 23 |
| | 15 MHz | QPSK | 55315 | 3557.5 | 1 | 0 | H | -29.76 | 50.13 | 20.37 | 0.109 | ≦ 23 |
| | | 16QAM | 55990 | 3625 | 1 | 0 | H | -29.82 | 50.17 | 20.35 | 0.108 | ≦ 23 |
| | | 64QAM | 55990 | 3625 | 1 | 0 | H | -30.26 | 50.17 | 19.91 | 0.098 | ≦ 23 |
| | 20 MHz | QPSK | 55340 | 3560 | 1 | 0 | H | -29.71 | 50.13 | 20.42 | 0.110 | ≦ 23 |
| | | 16QAM | 56640 | 3690 | 1 | 0 | H | -29.76 | 50.17 | 20.41 | 0.110 | ≦ 23 |
| | | 64QAM | 56640 | 3690 | 1 | 0 | H | -30.23 | 50.17 | 19.94 | 0.099 | ≦ 23 |

| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.I.R.P. | | Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 66 | 1.4 MHz | QPSK | 132322 | 1745 | 1 | 0 | 23.25 | 0.5 | 23.75 | 0.237 | ≦ 1 |
| | | 16QAM | 132665 | 1779.3 | 1 | 0 | 22.53 | 0.5 | 23.03 | 0.201 | ≦ 1 |
| | | 64QAM | 132665 | 1779.3 | 1 | 0 | 21.73 | 0.5 | 22.23 | 0.167 | ≦ 1 |
| | 3 MHz | QPSK | 131987 | 1711.5 | 1 | 0 | 23.24 | 0.5 | 23.74 | 0.237 | ≦ 1 |
| | | 16QAM | 132657 | 1778.5 | 1 | 0 | 22.55 | 0.5 | 23.05 | 0.202 | ≦ 1 |
| | | 64QAM | 132657 | 1778.5 | 1 | 0 | 21.75 | 0.5 | 22.25 | 0.168 | ≦ 1 |
| | 5 MHz | QPSK | 132322 | 1745 | 1 | 0 | 23.23 | 0.5 | 23.73 | 0.236 | ≦ 1 |
| | | 16QAM | 131997 | 1712.5 | 1 | 0 | 22.59 | 0.5 | 23.09 | 0.204 | ≦ 1 |
| | | 64QAM | 232647 | 1777.5 | 1 | 0 | 21.77 | 0.5 | 22.27 | 0.169 | ≦ 1 |
| | 10 MHz | QPSK | 132322 | 1745 | 1 | 0 | 23.26 | 0.5 | 23.76 | 0.238 | ≦ 1 |
| | | 16QAM | 132022 | 1715 | 1 | 0 | 22.57 | 0.5 | 23.07 | 0.203 | ≦ 1 |
| | | 64QAM | 132622 | 1775 | 1 | 0 | 21.74 | 0.5 | 22.24 | 0.167 | ≦ 1 |
| | 15 MHz | QPSK | 132322 | 1745 | 1 | 0 | 23.24 | 0.5 | 23.74 | 0.237 | ≦ 1 |
| | | 16QAM | 132047 | 1717.5 | 1 | 0 | 22.53 | 0.5 | 23.03 | 0.201 | ≦ 1 |
| | | 64QAM | 132597 | 1772.5 | 1 | 0 | 21.79 | 0.5 | 22.29 | 0.169 | ≦ 1 |
| | 20 MHz | QPSK | 132322 | 1745 | 1 | 0 | 23.29 | 0.5 | 23.79 | 0.239 | ≦ 1 |
| | | 16QAM | 132072 | 1720 | 1 | 0 | 22.53 | 0.5 | 23.03 | 0.201 | ≦ 1 |
| | | 64QAM | 132572 | 1770 | 1 | 0 | 21.73 | 0.5 | 22.23 | 0.167 | ≦ 1 |
| Band | Channel Bandwidth | Modulation | CH | Frequency | RB Configuration | | Average Power | Antenna Gain | E.R.P. | | Limit |
| | | | | (MHz) | Size | Offset | (dBm) | (dBi) | (dBm) | (W) | (W) |
| LTE Band 71 | 5 MHz | QPSK | 133147 | 665.5 | 1 | 0 | 23.23 | -2.4 | 18.68 | 0.074 | ≦ 3 |
| | | 16QAM | 133147 | 665.5 | 1 | 0 | 22.55 | -2.4 | 18.00 | 0.063 | ≦ 3 |
| | | 64QAM | 133147 | 665.5 | 1 | 0 | 21.82 | -2.4 | 17.27 | 0.053 | ≦ 3 |
| | 10 MHz | QPSK | 133172 | 668 | 1 | 0 | 23.24 | -2.4 | 18.69 | 0.074 | ≦ 3 |
| | | 16QAM | 133422 | 693 | 1 | 0 | 22.45 | -2.4 | 17.90 | 0.062 | ≦ 3 |
| | | 64QAM | 133422 | 693 | 1 | 0 | 21.77 | -2.4 | 17.22 | 0.053 | ≦ 3 |
| | 15 MHz | QPSK | 133197 | 670.5 | 1 | 0 | 23.22 | -2.4 | 18.67 | 0.074 | ≦ 3 |
| | | 16QAM | 133197 | 670.5 | 1 | 0 | 22.45 | -2.4 | 17.90 | 0.062 | ≦ 3 |
| | | 64QAM | 133397 | 690.5 | 1 | 0 | 21.78 | -2.4 | 17.23 | 0.053 | ≦ 3 |
| | 20 MHz | QPSK | 133222 | 673 | 1 | 0 | 23.27 | -2.4 | 18.72 | 0.074 | ≦ 3 |
| | | 16QAM | 133322 | 683 | 1 | 0 | 22.59 | -2.4 | 18.04 | 0.064 | ≦ 3 |
| | | 64QAM | 133222 | 673 | 1 | 0 | 21.82 | -2.4 | 17.27 | 0.053 | ≦ 3 |

| Uplink carrier aggregation Power | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E-UTRA CA Combination | PCC | SCC | Modulation | Bandwidth (MHz) | PCC | | SCC | | Total RB Size | Measured Power (dBm) | ANT Gain (dBi) | EIRP (dBm) | EIRP (W) | OBW (MHz) | EIRP Limit (W) |
| | Channel | Channel | | | RB Size | RB Offset | RB Size | RB Offset | | | | | | | |
| CA_7C | 20850 | 21048 | QPSK | 20+20 | 1 | 99 | 1 | 0 | 2 | 23.66 | -0.4 | 23.26 | 0.212 | 37.437 | 2 |
| | 21001 | 21199 | | | 1 | 99 | 1 | 0 | 2 | 23.71 | | 23.31 | 0.214 | 37.466 | |
| | 21152 | 21350 | | | 1 | 99 | 1 | 0 | 2 | 23.55 | | 23.15 | 0.207 | 37.503 | |
| CA_66B | 132047 | 132140 | QPSK | 15+5 | 1 | 74 | 1 | 0 | 2 | 23.71 | 0.5 | 24.21 | 0.264 | 18.607 | 1 |
| | 132398 | 132491 | | | 1 | 74 | 1 | 0 | 2 | 23.88 | | 24.38 | 0.274 | 18.609 | |
| | 132549 | 132642 | | | 1 | 74 | 1 | 0 | 2 | 23.82 | | 24.32 | 0.270 | 18.685 | |
| CA_66C | 132072 | 132270 | QPSK | 20+20 | 1 | 99 | 1 | 0 | 2 | 23.57 | 0.5 | 24.07 | 0.255 | 37.546 | 1 |
| | 132323 | 132521 | | | 1 | 99 | 1 | 0 | 2 | 23.79 | | 24.29 | 0.269 | 37.42 | |
| | 132374 | 132572 | | | 1 | 99 | 1 | 0 | 2 | 23.75 | | 24.25 | 0.266 | 37.458 | |
| CA_38C | 37850 | 38048 | QPSK | 20+20 | 1 | 99 | 1 | 0 | 2 | 23.77 | -0.4 | 23.37 | 0.217 | 37.676 | 2 |
| | 37901 | 38099 | | | 1 | 99 | 1 | 0 | 2 | 23.85 | | 23.45 | 0.221 | 37.681 | |
| | 37952 | 38150 | | | 1 | 99 | 1 | 0 | 2 | 23.78 | | 23.38 | 0.218 | 37.713 | |
| CA_41C | 39750 | 39948 | QPSK | 20+20 | 1 | 99 | 1 | 0 | 2 | 23.74 | -0.4 | 23.34 | 0.216 | 37.685 | 2 |
| | 40185 | 39987 | | | 1 | 99 | 1 | 0 | 2 | 23.69 | | 23.29 | 0.213 | --- | |
| | 40521 | 40719 | | | 1 | 99 | 1 | 0 | 2 | 23.71 | | 23.31 | 0.214 | 37.666 | |
| | 40620 | 40422 | | | 1 | 99 | 1 | 0 | 2 | 23.88 | | 23.48 | 0.223 | --- | |
| | 41055 | 40857 | | | 1 | 99 | 1 | 0 | 2 | 23.81 | | 23.41 | 0.219 | --- | |
| | 41292 | 41490 | | | 1 | 99 | 1 | 0 | 2 | 23.78 | | 23.38 | 0.218 | 37.659 | |

## 4.2. Radiated Emission

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G_GSM_850_CH128 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1648.400 | -62.47 | 2.57 | -59.90 | -13.00 | -46.90 | peak |
| 2* | 2472.600 | -42.92 | 5.02 | -37.90 | -13.00 | -24.90 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G_GSM_850_CH128 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1648.400 | -62.16 | 2.57 | -59.59 | -13.00 | -46.59 | peak |
| 2* | 2472.600 | -44.15 | 5.02 | -39.13 | -13.00 | -26.13 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G_GSM_850_CH190 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.200 | -63.92 | 2.65 | -61.27 | -13.00 | -48.27 | peak |
| 2* | 2509.800 | -41.46 | 5.15 | -36.31 | -13.00 | -23.31 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G_GSM_850_CH190 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.200 | -63.15 | 2.65 | -60.50 | -13.00 | -47.50 | peak |
| 2* | 2509.800 | -44.33 | 5.15 | -39.18 | -13.00 | -26.18 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G_GSM_850_CH251 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1697.600 | -62.91 | 2.72 | -60.19 | -13.00 | -47.19 | peak |
| 2* | 2546.400 | -42.95 | 5.29 | -37.66 | -13.00 | -24.66 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G_GSM_850_CH251 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1697.600 | -62.49 | 2.72 | -59.77 | -13.00 | -46.77 | peak |
| 2* | 2546.400 | -44.51 | 5.29 | -39.22 | -13.00 | -26.22 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G_GSM_1900_CH512 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3700.400 | -64.36 | 8.33 | -56.03 | -13.00 | -43.03 | peak |
| 2* | 5550.600 | -68.12 | 13.72 | -54.40 | -13.00 | -41.40 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G_GSM_1900_CH512 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3700.400 | -66.13 | 8.33 | -57.80 | -13.00 | -44.80 | peak |
| 2* | 5550.600 | -69.25 | 13.72 | -55.53 | -13.00 | -42.53 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G_GSM_1900_CH661 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3760.000 | -64.19 | 8.53 | -55.66 | -13.00 | -42.66 | peak |
| 2* | 5640.000 | -67.09 | 13.90 | -53.19 | -13.00 | -40.19 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G_GSM_1900_CH661 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3760.000 | -62.58 | 8.53 | -54.05 | -13.00 | -41.05 | peak |
| 2* | 5640.000 | -67.13 | 13.90 | -53.23 | -13.00 | -40.23 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G_GSM_1900_CH810 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3819.600 | -64.85 | 8.73 | -56.12 | -13.00 | -43.12 | peak |
| 2* | 5729.400 | -68.44 | 14.10 | -54.34 | -13.00 | -41.34 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G_GSM_1900_CH810 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3819.600 | -64.24 | 8.73 | -55.51 | -13.00 | -42.51 | peak |
| 2* | 5729.400 | -68.46 | 14.10 | -54.36 | -13.00 | -41.36 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 2_CH9262 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3704.800 | -67.74 | 8.35 | -59.39 | -13.00 | -46.39 | peak |
| 2* | 5557.200 | -69.51 | 13.74 | -55.77 | -13.00 | -42.77 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 2_CH9262 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3704.800 | -67.05 | 8.35 | -58.70 | -13.00 | -45.70 | peak |
| 2* | 5557.200 | -69.05 | 13.74 | -55.31 | -13.00 | -42.31 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 2_CH9400 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3760.000 | -65.60 | 8.53 | -57.07 | -13.00 | -44.07 | peak |
| 2* | 5640.000 | -67.75 | 13.90 | -53.85 | -13.00 | -40.85 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 2_CH9400 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3760.000 | -67.39 | 8.53 | -58.86 | -13.00 | -45.86 | peak |
| 2* | 5640.000 | -68.04 | 13.90 | -54.14 | -13.00 | -41.14 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 2_CH9538 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3815.200 | -66.64 | 8.72 | -57.92 | -13.00 | -44.92 | peak |
| 2* | 5722.800 | -70.22 | 14.08 | -56.14 | -13.00 | -43.14 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 2_CH9538 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3815.200 | -66.80 | 8.72 | -58.08 | -13.00 | -45.08 | peak |
| 2* | 5722.800 | -66.99 | 14.08 | -52.91 | -13.00 | -39.91 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 4_CH1312 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3424.800 | -68.27 | 7.59 | -60.68 | -13.00 | -47.68 | peak |
| 2* | 5137.200 | -69.29 | 12.65 | -56.64 | -13.00 | -43.64 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 4_CH1312 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3424.800 | -67.25 | 7.59 | -59.66 | -13.00 | -46.66 | peak |
| 2* | 5137.200 | -69.13 | 12.65 | -56.48 | -13.00 | -43.48 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 4_CH1413 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3465.200 | -67.40 | 7.63 | -59.77 | -13.00 | -46.77 | peak |
| 2* | 5197.800 | -69.66 | 12.80 | -56.86 | -13.00 | -43.86 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 4_CH1413 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3465.200 | -68.39 | 7.63 | -60.76 | -13.00 | -47.76 | peak |
| 2* | 5197.800 | -68.83 | 12.80 | -56.03 | -13.00 | -43.03 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 4_CH1513 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3505.200 | -67.97 | 7.68 | -60.29 | -13.00 | -47.29 | peak |
| 2* | 5257.800 | -69.66 | 12.96 | -56.70 | -13.00 | -43.70 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 4_CH1513 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3505.200 | -68.37 | 7.68 | -60.69 | -13.00 | -47.69 | peak |
| 2* | 5257.800 | -69.36 | 12.96 | -56.40 | -13.00 | -43.40 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 5_CH4132 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1652.800 | -64.93 | 2.58 | -62.35 | -13.00 | -49.35 | peak |
| 2* | 2479.200 | -59.57 | 5.04 | -54.53 | -13.00 | -41.53 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 5_CH4132 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1652.800 | -64.52 | 2.58 | -61.94 | -13.00 | -48.94 | peak |
| 2* | 2479.200 | -59.85 | 5.04 | -54.81 | -13.00 | -41.81 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 5_CH4183 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.200 | -64.38 | 2.65 | -61.73 | -13.00 | -48.73 | peak |
| 2* | 2509.800 | -65.85 | 5.15 | -60.70 | -13.00 | -47.70 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 5_CH4183 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.200 | -66.04 | 2.65 | -63.39 | -13.00 | -50.39 | peak |
| 2* | 2509.800 | -66.62 | 5.15 | -61.47 | -13.00 | -48.47 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G_BAND 5_CH4233 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1693.200 | -64.96 | 2.70 | -62.26 | -13.00 | -49.26 | peak |
| 2* | 2539.800 | -67.22 | 5.27 | -61.95 | -13.00 | -48.95 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G_BAND 5_CH4233 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1693.200 | -64.84 | 2.70 | -62.14 | -13.00 | -49.14 | peak |
| 2* | 2539.800 | -66.56 | 5.27 | -61.29 | -13.00 | -48.29 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 2_20M_QPSK_CH18700 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3720.000 | -65.04 | 8.40 | -56.64 | -13.00 | -43.64 | peak |
| 2* | 5580.000 | -68.99 | 13.77 | -55.22 | -13.00 | -42.22 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 2_20M_QPSK_CH18700 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3720.000 | -64.86 | 8.40 | -56.46 | -13.00 | -43.46 | peak |
| 2* | 5580.000 | -68.38 | 13.77 | -54.61 | -13.00 | -41.61 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 2_20M_QPSK_CH18900 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3760.000 | -64.30 | 8.53 | -55.77 | -13.00 | -42.77 | peak |
| 2* | 5640.000 | -67.63 | 13.90 | -53.73 | -13.00 | -40.73 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 2_20M_QPSK_CH18900 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3760.000 | -64.79 | 8.53 | -56.26 | -13.00 | -43.26 | peak |
| 2* | 5640.000 | -61.80 | 13.90 | -47.90 | -13.00 | -34.90 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 2_20M_QPSK_CH19100 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3800.000 | -64.47 | 8.67 | -55.80 | -13.00 | -42.80 | peak |
| 2* | 5700.000 | -69.10 | 14.03 | -55.07 | -13.00 | -42.07 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 2_20M_QPSK_CH19100 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3800.000 | -64.15 | 8.67 | -55.48 | -13.00 | -42.48 | peak |
| 2* | 5700.000 | -68.95 | 14.03 | -54.92 | -13.00 | -41.92 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 4_20M_QPSK_CH20050 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3440.000 | -66.71 | 7.61 | -59.10 | -13.00 | -46.10 | peak |
| 2* | 5160.000 | -66.95 | 12.70 | -54.25 | -13.00 | -41.25 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 4_20M_QPSK_CH20050 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3440.000 | -65.91 | 7.61 | -58.30 | -13.00 | -45.30 | peak |
| 2* | 5160.000 | -67.60 | 12.70 | -54.90 | -13.00 | -41.90 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 4_20M_QPSK_CH20175 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3465.000 | -67.11 | 7.63 | -59.48 | -13.00 | -46.48 | peak |
| 2* | 5197.500 | -64.45 | 12.80 | -51.65 | -13.00 | -38.65 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 4_20M_QPSK_CH20175 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3465.000 | -67.07 | 7.63 | -59.44 | -13.00 | -46.44 | peak |
| 2* | 5197.500 | -66.79 | 12.80 | -53.99 | -13.00 | -40.99 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 4_20M_QPSK_CH20300 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3490.000 | -66.75 | 7.66 | -59.09 | -13.00 | -46.09 | peak |
| 2* | 5235.000 | -63.10 | 12.90 | -50.20 | -13.00 | -37.20 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 4_20M_QPSK_CH20300 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3490.000 | -67.58 | 7.66 | -59.92 | -13.00 | -46.92 | peak |
| 2* | 5235.000 | -66.76 | 12.90 | -53.86 | -13.00 | -40.86 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 5_10M_QPSK_CH20450 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1658.000 | -65.40 | 2.60 | -62.80 | -13.00 | -49.80 | peak |
| 2 | 2487.000 | -67.49 | 5.08 | -62.41 | -13.00 | -49.41 | peak |
| 3* | 3316.000 | -66.82 | 7.45 | -59.37 | -13.00 | -46.37 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 5_10M_QPSK_CH20450 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1658.000 | -63.86 | 2.60 | -61.26 | -13.00 | -48.26 | peak |
| 2 | 2487.000 | -67.74 | 5.08 | -62.66 | -13.00 | -49.66 | peak |
| 3* | 3316.000 | -66.17 | 7.45 | -58.72 | -13.00 | -45.72 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 5_10M_QPSK_CH20525 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.000 | -64.30 | 2.65 | -61.65 | -13.00 | -48.65 | peak |
| 2 | 2509.500 | -69.14 | 5.15 | -63.99 | -13.00 | -50.99 | peak |
| 3* | 3346.000 | -67.05 | 7.49 | -59.56 | -13.00 | -46.56 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 5_10M_QPSK_CH20525 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.000 | -63.67 | 2.65 | -61.02 | -13.00 | -48.02 | peak |
| 2 | 2509.500 | -68.49 | 5.15 | -63.34 | -13.00 | -50.34 | peak |
| 3* | 3346.000 | -65.73 | 7.49 | -58.24 | -13.00 | -45.24 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 5_10M_QPSK_CH20600 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1688.000 | -63.93 | 2.69 | -61.24 | -13.00 | -48.24 | peak |
| 2 | 2532.000 | -70.25 | 5.24 | -65.01 | -13.00 | -52.01 | peak |
| 3* | 3376.000 | -64.92 | 7.52 | -57.40 | -13.00 | -44.40 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 5_10M_QPSK_CH20600 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1688.000 | -64.64 | 2.69 | -61.95 | -13.00 | -48.95 | peak |
| 2 | 2532.000 | -69.18 | 5.24 | -63.94 | -13.00 | -50.94 | peak |
| 3* | 3376.000 | -66.69 | 7.52 | -59.17 | -13.00 | -46.17 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 7_20M_QPSK_CH20850 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5020.000 | -68.86 | 12.32 | -56.54 | -25.00 | -31.54 | peak |
| 2* | 7530.000 | -71.68 | 18.29 | -53.39 | -25.00 | -28.39 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 7_20M_QPSK_CH20850 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5020.000 | -68.18 | 12.32 | -55.86 | -25.00 | -30.86 | peak |
| 2* | 7530.000 | -71.54 | 18.29 | -53.25 | -25.00 | -28.25 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 7_20M_QPSK_CH21100 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5070.000 | -68.38 | 12.47 | -55.91 | -25.00 | -30.91 | peak |
| 2* | 7605.000 | -71.53 | 18.61 | -52.92 | -25.00 | -27.92 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 7_20M_QPSK_CH21100 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5070.000 | -68.25 | 12.47 | -55.78 | -25.00 | -30.78 | peak |
| 2* | 7605.000 | -71.06 | 18.61 | -52.45 | -25.00 | -27.45 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 7_20M_QPSK_CH21350 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5120.000 | -67.79 | 12.60 | -55.19 | -25.00 | -30.19 | peak |
| 2* | 7680.000 | -70.58 | 18.92 | -51.66 | -25.00 | -26.66 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 7_20M_QPSK_CH21350 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5120.000 | -69.33 | 12.60 | -56.73 | -25.00 | -31.73 | peak |
| 2* | 7680.000 | -70.98 | 18.92 | -52.06 | -25.00 | -27.06 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 12_10M_QPSK_CH23060 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1408.000 | -65.36 | 1.73 | -63.63 | -13.00 | -50.63 | peak |
| 2 | 2112.000 | -68.81 | 3.94 | -64.87 | -13.00 | -51.87 | peak |
| 3* | 2816.000 | -64.97 | 6.34 | -58.63 | -13.00 | -45.63 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 12_10M_QPSK_CH23060 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1408.000 | -65.03 | 1.73 | -63.30 | -13.00 | -50.30 | peak |
| 2 | 2112.000 | -67.83 | 3.94 | -63.89 | -13.00 | -50.89 | peak |
| 3* | 2816.000 | -64.56 | 6.34 | -58.22 | -13.00 | -45.22 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 12_10M_QPSK_CH23095 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1415.000 | -65.74 | 1.77 | -63.97 | -13.00 | -50.97 | peak |
| 2 | 2122.500 | -67.64 | 3.98 | -63.66 | -13.00 | -50.66 | peak |
| 3* | 2830.000 | -66.19 | 6.41 | -59.78 | -13.00 | -46.78 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 12_10M_QPSK_CH23095 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1415.000 | -65.79 | 1.77 | -64.02 | -13.00 | -51.02 | peak |
| 2 | 2122.500 | -68.08 | 3.98 | -64.10 | -13.00 | -51.10 | peak |
| 3* | 2830.000 | -64.09 | 6.41 | -57.68 | -13.00 | -44.68 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 12_10M_QPSK_CH23130 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1422.000 | -66.12 | 1.80 | -64.32 | -13.00 | -51.32 | peak |
| 2 | 2133.000 | -69.38 | 4.00 | -65.38 | -13.00 | -52.38 | peak |
| 3* | 2844.000 | -65.35 | 6.46 | -58.89 | -13.00 | -45.89 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 12_10M_QPSK_CH23130 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1422.000 | -66.31 | 1.80 | -64.51 | -13.00 | -51.51 | peak |
| 2 | 2133.000 | -67.80 | 4.00 | -63.80 | -13.00 | -50.80 | peak |
| 3* | 2844.000 | -66.91 | 6.46 | -60.45 | -13.00 | -47.45 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 13_10M_QPSK_CH23230 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1* | 1564.000 | -61.37 | 2.32 | -59.05 | -40.00 | -19.05 | peak |
| 2 | 2346.000 | -56.89 | 4.64 | -52.25 | -13.00 | -39.25 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 13_10M_QPSK_CH23230 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1* | 1564.000 | -61.91 | 2.32 | -59.59 | -40.00 | -19.59 | peak |
| 2 | 2346.000 | -63.17 | 4.64 | -58.53 | -13.00 | -45.53 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 14_10M_QPSK_CH23330 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1586.000 | -63.07 | 2.39 | -60.68 | -40.00 | -20.68 | peak |
| 2* | 2379.000 | -56.55 | 4.74 | -51.81 | -13.00 | -38.81 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 14_10M_QPSK_CH23330 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1586.000 | -63.82 | 2.39 | -61.43 | -40.00 | -21.43 | peak |
| 2* | 2379.000 | -40.74 | 4.74 | -36.00 | -13.00 | -23.00 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_10M_QPSK_CH26740 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1638.000 | -62.31 | 2.54 | -59.77 | -13.00 | -46.77 | peak |
| 2* | 2457.000 | -49.53 | 4.98 | -44.55 | -13.00 | -31.55 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_10M_QPSK_CH26740 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1638.000 | -63.46 | 2.54 | -60.92 | -13.00 | -47.92 | peak |
| 2* | 2457.000 | -63.29 | 4.98 | -58.31 | -13.00 | -45.31 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26765 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1643.000 | -62.06 | 2.56 | -59.50 | -13.00 | -46.50 | peak |
| 2* | 2464.500 | -63.25 | 5.00 | -58.25 | -13.00 | -45.25 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26765 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1643.000 | -62.30 | 2.56 | -59.74 | -13.00 | -46.74 | peak |
| 2* | 2464.500 | -64.62 | 5.00 | -59.62 | -13.00 | -46.62 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26865 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1663.000 | -62.65 | 2.63 | -60.02 | -13.00 | -47.02 | peak |
| 2* | 2494.500 | -63.18 | 5.10 | -58.08 | -13.00 | -45.08 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26865 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1663.000 | -63.58 | 2.63 | -60.95 | -13.00 | -47.95 | peak |
| 2* | 2494.500 | -63.34 | 5.10 | -58.24 | -13.00 | -45.24 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26965 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1683.000 | -62.73 | 2.67 | -60.06 | -13.00 | -47.06 | peak |
| 2* | 2524.500 | -60.94 | 5.21 | -55.73 | -13.00 | -42.73 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26965 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1683.000 | -62.71 | 2.67 | -60.04 | -13.00 | -47.04 | peak |
| 2* | 2524.500 | -62.26 | 5.21 | -57.05 | -13.00 | -44.05 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26865 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1663.000 | -63.44 | 2.63 | -60.81 | -13.00 | -47.81 | peak |
| 2* | 2494.500 | -61.21 | 5.10 | -56.11 | -13.00 | -43.11 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26865 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1663.000 | -62.91 | 2.63 | -60.28 | -13.00 | -47.28 | peak |
| 2* | 2494.500 | -63.13 | 5.10 | -58.03 | -13.00 | -45.03 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26915 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.000 | -64.20 | 2.65 | -61.55 | -13.00 | -48.55 | peak |
| 2* | 2509.500 | -57.34 | 5.15 | -52.19 | -13.00 | -39.19 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26915 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1673.000 | -62.90 | 2.65 | -60.25 | -13.00 | -47.25 | peak |
| 2* | 2509.500 | -61.55 | 5.15 | -56.40 | -13.00 | -43.40 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26965 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1683.000 | -64.28 | 2.67 | -61.61 | -13.00 | -48.61 | peak |
| 2* | 2524.500 | -62.84 | 5.21 | -57.63 | -13.00 | -44.63 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 26_15M_QPSK_CH26965 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1683.000 | -61.40 | 2.67 | -58.73 | -13.00 | -45.73 | peak |
| 2* | 2524.500 | -63.88 | 5.21 | -58.67 | -13.00 | -45.67 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 30_10M_QPSK_CH27710 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4620.000 | -66.16 | 10.93 | -55.23 | -40.00 | -15.23 | peak |
| 2* | 6930.000 | -69.59 | 17.34 | -52.25 | -40.00 | -12.25 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 30_10M_QPSK_CH27710 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4620.000 | -64.93 | 10.93 | -54.00 | -40.00 | -14.00 | peak |
| 2* | 6930.000 | -69.04 | 17.34 | -51.70 | -40.00 | -11.70 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 38_20M_QPSK_CH37850 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5160.000 | -66.30 | 12.70 | -53.60 | -13.00 | -40.60 | peak |
| 2* | 7740.000 | -69.34 | 19.18 | -50.16 | -13.00 | -37.16 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 38_20M_QPSK_CH37850 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5160.000 | -67.54 | 12.70 | -54.84 | -13.00 | -41.84 | peak |
| 2* | 7740.000 | -70.02 | 19.18 | -50.84 | -13.00 | -37.84 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 38_20M_QPSK_CH38000 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5190.000 | -66.98 | 12.79 | -54.19 | -13.00 | -41.19 | peak |
| 2* | 7785.000 | -69.66 | 19.37 | -50.29 | -13.00 | -37.29 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 38_20M_QPSK_CH38000 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5190.000 | -67.77 | 12.79 | -54.98 | -13.00 | -41.98 | peak |
| 2* | 7785.000 | -69.85 | 19.37 | -50.48 | -13.00 | -37.48 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 38_20M_QPSK_CH38150 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5220.000 | -68.31 | 12.87 | -55.44 | -13.00 | -42.44 | peak |
| 2* | 7830.000 | -70.03 | 19.57 | -50.46 | -13.00 | -37.46 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 38_20M_QPSK_CH38150 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5220.000 | -66.99 | 12.87 | -54.12 | -13.00 | -41.12 | peak |
| 2* | 7830.000 | -70.57 | 19.57 | -51.00 | -13.00 | -38.00 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 40_10M_QPSK_CH38750 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4620.000 | -64.85 | 10.93 | -53.92 | -13.00 | -40.92 | peak |
| 2* | 6930.000 | -69.12 | 17.34 | -51.78 | -13.00 | -38.78 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 40_10M_QPSK_CH38750 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4620.000 | -63.89 | 10.93 | -52.96 | -13.00 | -39.96 | peak |
| 2* | 6930.000 | -68.01 | 17.34 | -50.67 | -13.00 | -37.67 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 40_10M_QPSK_CH39200 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4710.000 | -65.97 | 11.25 | -54.72 | -13.00 | -41.72 | peak |
| 2* | 7065.000 | -68.83 | 17.57 | -51.26 | -13.00 | -38.26 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 40_10M_QPSK_CH39200 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4710.000 | -67.01 | 11.25 | -55.76 | -13.00 | -42.76 | peak |
| 2* | 7065.000 | -69.94 | 17.57 | -52.37 | -13.00 | -39.37 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 40_20M_QPSK_CH38750 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4620.000 | -64.84 | 10.93 | -53.91 | -13.00 | -40.91 | peak |
| 2* | 6930.000 | -67.68 | 17.34 | -50.34 | -13.00 | -37.34 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 40_20M_QPSK_CH38750 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4620.000 | -66.05 | 10.93 | -55.12 | -13.00 | -42.12 | peak |
| 2* | 6930.000 | -69.93 | 17.34 | -52.59 | -13.00 | -39.59 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 40_20M_QPSK_CH39150 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4700.000 | -66.83 | 11.21 | -55.62 | -13.00 | -42.62 | peak |
| 2* | 7050.000 | -68.21 | 17.55 | -50.66 | -13.00 | -37.66 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 40_20M_QPSK_CH39150 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4700.000 | -67.12 | 11.21 | -55.91 | -13.00 | -42.91 | peak |
| 2* | 7050.000 | -68.73 | 17.55 | -51.18 | -13.00 | -38.18 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 40_20M_QPSK_CH39550 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4780.000 | -66.56 | 11.50 | -55.06 | -13.00 | -42.06 | peak |
| 2* | 7170.000 | -68.23 | 17.71 | -50.52 | -13.00 | -37.52 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 40_20M_QPSK_CH39550 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 4780.000 | -67.57 | 11.50 | -56.07 | -13.00 | -43.07 | peak |
| 2* | 7170.000 | -69.87 | 17.71 | -52.16 | -13.00 | -39.16 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 41_20M_QPSK_CH39750 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5012.000 | -68.23 | 12.31 | -55.92 | -25.00 | -30.92 | peak |
| 2* | 7518.000 | -71.60 | 18.23 | -53.37 | -25.00 | -28.37 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 41_20M_QPSK_CH39750 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5012.000 | -67.29 | 12.31 | -54.98 | -25.00 | -29.98 | peak |
| 2* | 7518.000 | -71.11 | 18.23 | -52.88 | -25.00 | -27.88 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 41_20M_QPSK_CH40620 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5186.000 | -68.27 | 12.77 | -55.50 | -25.00 | -30.50 | peak |
| 2* | 7779.000 | -71.35 | 19.35 | -52.00 | -25.00 | -27.00 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 41_20M_QPSK_CH40620 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5186.000 | -68.24 | 12.77 | -55.47 | -25.00 | -30.47 | peak |
| 2* | 7779.000 | -70.87 | 19.35 | -51.52 | -25.00 | -26.52 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 41_20M_QPSK_CH41490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5360.000 | -69.24 | 13.24 | -56.00 | -25.00 | -31.00 | peak |
| 2* | 8040.000 | -71.32 | 20.39 | -50.93 | -25.00 | -25.93 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 41_20M_QPSK_CH41490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 5360.000 | -68.56 | 13.24 | -55.32 | -25.00 | -30.32 | peak |
| 2* | 8040.000 | -71.49 | 20.39 | -51.10 | -25.00 | -26.10 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 25_20M_QPSK_CH26140 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3720.000 | -65.58 | 8.40 | -57.18 | -13.00 | -44.18 | peak |
| 2* | 5580.000 | -69.07 | 13.77 | -55.30 | -13.00 | -42.30 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 25_20M_QPSK_CH26140 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3720.000 | -65.63 | 8.40 | -57.23 | -13.00 | -44.23 | peak |
| 2* | 5580.000 | -69.82 | 13.77 | -56.05 | -13.00 | -43.05 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 25_20M_QPSK_CH26365 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3765.000 | -65.29 | 8.55 | -56.74 | -13.00 | -43.74 | peak |
| 2* | 5647.500 | -68.93 | 13.92 | -55.01 | -13.00 | -42.01 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 25_20M_QPSK_CH26365 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3765.000 | -64.81 | 8.55 | -56.26 | -13.00 | -43.26 | peak |
| 2* | 5647.500 | -64.81 | 13.92 | -50.89 | -13.00 | -37.89 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 25_20M_QPSK_CH26590 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3810.000 | -65.79 | 8.70 | -57.09 | -13.00 | -44.09 | peak |
| 2* | 5715.000 | -69.75 | 14.07 | -55.68 | -13.00 | -42.68 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 25_20M_QPSK_CH26590 | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3810.000 | -65.47 | 8.70 | -56.77 | -13.00 | -43.77 | peak |
| 2* | 5715.000 | -69.35 | 14.07 | -55.28 | -13.00 | -42.28 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH41690 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 6820.000 | -68.63 | 17.11 | -51.52 | -13.00 | -38.52 | peak |
| 2* | 10230.000 | -72.16 | 25.51 | -46.65 | -13.00 | -33.65 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH41690 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 6820.000 | -70.93 | 17.11 | -53.82 | -13.00 | -40.82 | peak |
| 2* | 10230.000 | -72.55 | 25.51 | -47.04 | -13.00 | -34.04 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42590 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7000.000 | -70.52 | 17.48 | -53.04 | -13.00 | -40.04 | peak |
| 2* | 10500.000 | -72.33 | 26.18 | -46.15 | -13.00 | -33.15 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42590 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7000.000 | -69.68 | 17.48 | -52.20 | -13.00 | -39.20 | peak |
| 2* | 10500.000 | -72.20 | 26.18 | -46.02 | -13.00 | -33.02 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7180.000 | -70.09 | 17.72 | -52.37 | -13.00 | -39.37 | peak |
| 2* | 10770.000 | -72.44 | 26.18 | -46.26 | -13.00 | -33.26 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7180.000 | -68.85 | 17.72 | -51.13 | -13.00 | -38.13 | peak |
| 2* | 10770.000 | -70.77 | 26.18 | -44.59 | -13.00 | -31.59 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42190 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 6920.000 | -71.45 | 17.32 | -54.13 | -13.00 | -41.13 | peak |
| 2* | 10380.000 | -70.83 | 25.88 | -44.95 | -13.00 | -31.95 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42190 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 6920.000 | -70.52 | 17.32 | -53.20 | -13.00 | -40.20 | peak |
| 2* | 10380.000 | -72.45 | 25.88 | -46.57 | -13.00 | -33.57 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42590 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7000.000 | -71.35 | 17.48 | -53.87 | -13.00 | -40.87 | peak |
| 2* | 10500.000 | -72.77 | 26.18 | -46.59 | -13.00 | -33.59 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42590 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7000.000 | -71.19 | 17.48 | -53.71 | -13.00 | -40.71 | peak |
| 2* | 10500.000 | -73.31 | 26.18 | -47.13 | -13.00 | -34.13 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42990 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7080.000 | -69.92 | 17.58 | -52.34 | -13.00 | -39.34 | peak |
| 2* | 10620.000 | -72.54 | 26.19 | -46.35 | -13.00 | -33.35 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH42990 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7080.000 | -71.35 | 17.58 | -53.77 | -13.00 | -40.77 | peak |
| 2* | 10620.000 | -73.07 | 26.19 | -46.88 | -13.00 | -33.88 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43190 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7120.000 | -71.29 | 17.64 | -53.65 | -13.00 | -40.65 | peak |
| 2* | 10680.000 | -72.91 | 26.18 | -46.73 | -13.00 | -33.73 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43190 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7120.000 | -70.39 | 17.64 | -52.75 | -13.00 | -39.75 | peak |
| 2* | 10680.000 | -72.83 | 26.18 | -46.65 | -13.00 | -33.65 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43340 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7150.000 | -71.14 | 17.69 | -53.45 | -13.00 | -40.45 | peak |
| 2* | 10725.000 | -72.85 | 26.18 | -46.67 | -13.00 | -33.67 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43340 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7150.000 | -71.54 | 17.69 | -53.85 | -13.00 | -40.85 | peak |
| 2* | 10725.000 | -72.57 | 26.18 | -46.39 | -13.00 | -33.39 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7180.000 | -71.25 | 17.72 | -53.53 | -13.00 | -40.53 | peak |
| 2* | 10770.000 | -73.30 | 26.18 | -47.12 | -13.00 | -34.12 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 42_20M_QPSK_CH43490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7180.000 | -70.05 | 17.72 | -52.33 | -13.00 | -39.33 | peak |
| 2* | 10770.000 | -73.13 | 26.18 | -46.95 | -13.00 | -33.95 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH43690 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7220.000 | -70.62 | 17.78 | -52.84 | -13.00 | -39.84 | peak |
| 2* | 10830.000 | -73.70 | 26.19 | -47.51 | -13.00 | -34.51 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH43690 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7220.000 | -70.93 | 17.78 | -53.15 | -13.00 | -40.15 | peak |
| 2* | 10830.000 | -72.46 | 26.19 | -46.27 | -13.00 | -33.27 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH44590 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7400.000 | -70.37 | 18.02 | -52.35 | -13.00 | -39.35 | peak |
| 2* | 11100.000 | -71.98 | 26.31 | -45.67 | -13.00 | -32.67 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH44590 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7400.000 | -69.79 | 18.02 | -51.77 | -13.00 | -38.77 | peak |
| 2* | 11100.000 | -72.00 | 26.31 | -45.69 | -13.00 | -32.69 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH45490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7580.000 | -70.63 | 18.50 | -52.13 | -13.00 | -39.13 | peak |
| 2* | 11370.000 | -72.66 | 26.61 | -46.05 | -13.00 | -33.05 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH45490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7580.000 | -70.73 | 18.50 | -52.23 | -13.00 | -39.23 | peak |
| 2* | 11370.000 | -72.93 | 26.61 | -46.32 | -13.00 | -33.32 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH43690 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7220.000 | -70.23 | 17.78 | -52.45 | -13.00 | -39.45 | peak |
| 2* | 10830.000 | -73.03 | 26.19 | -46.84 | -13.00 | -33.84 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH43690 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7220.000 | -70.29 | 17.78 | -52.51 | -13.00 | -39.51 | peak |
| 2* | 10830.000 | -72.97 | 26.19 | -46.78 | -13.00 | -33.78 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH44090 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7300.000 | -71.86 | 17.88 | -53.98 | -13.00 | -40.98 | peak |
| 2* | 10950.000 | -73.17 | 26.19 | -46.98 | -13.00 | -33.98 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH44090 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7300.000 | -70.70 | 17.88 | -52.82 | -13.00 | -39.82 | peak |
| 2* | 10950.000 | -73.21 | 26.19 | -47.02 | -13.00 | -34.02 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH44490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7380.000 | -71.52 | 18.00 | -53.52 | -13.00 | -40.52 | peak |
| 2* | 11070.000 | -73.75 | 26.27 | -47.48 | -13.00 | -34.48 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 43_20M_QPSK_CH44490 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7380.000 | -72.46 | 18.00 | -54.46 | -13.00 | -41.46 | peak |
| 2* | 11070.000 | -73.40 | 26.27 | -47.13 | -13.00 | -34.13 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 48_20M_QPSK_CH55340 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7120.000 | -70.94 | 17.64 | -53.30 | -13.00 | -40.30 | peak |
| 2* | 10680.000 | -73.36 | 26.18 | -47.18 | -13.00 | -34.18 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 48_20M_QPSK_CH55340 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7120.000 | -70.15 | 17.64 | -52.51 | -13.00 | -39.51 | peak |
| 2* | 10680.000 | -73.40 | 26.18 | -47.22 | -13.00 | -34.22 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 48_20M_QPSK_CH55990 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7250.000 | -72.01 | 17.82 | -54.19 | -13.00 | -41.19 | peak |
| 2* | 10875.000 | -73.17 | 26.19 | -46.98 | -13.00 | -33.98 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 48_20M_QPSK_CH55990 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7250.000 | -71.56 | 17.82 | -53.74 | -13.00 | -40.74 | peak |
| 2* | 10875.000 | -73.20 | 26.19 | -47.01 | -13.00 | -34.01 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 48_20M_QPSK_CH56640 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7380.000 | -71.62 | 18.00 | -53.62 | -13.00 | -40.62 | peak |
| 2* | 11070.000 | -73.17 | 26.27 | -46.90 | -13.00 | -33.90 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 48_20M_QPSK_CH56640 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 7380.000 | -71.79 | 18.00 | -53.79 | -13.00 | -40.79 | peak |
| 2* | 11070.000 | -73.23 | 26.27 | -46.96 | -13.00 | -33.96 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 66_20M_QPSK_CH132072 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3440.000 | -67.26 | 7.61 | -59.65 | -13.00 | -46.65 | peak |
| 2* | 5160.000 | -68.04 | 12.70 | -55.34 | -13.00 | -42.34 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 66_20M_QPSK_CH132072 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3440.000 | -68.40 | 7.61 | -60.79 | -13.00 | -47.79 | peak |
| 2* | 5160.000 | -68.69 | 12.70 | -55.99 | -13.00 | -42.99 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 66_20M_QPSK_CH132322 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3490.000 | -68.10 | 7.66 | -60.44 | -13.00 | -47.44 | peak |
| 2* | 5235.000 | -68.02 | 12.90 | -55.12 | -13.00 | -42.12 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 66_20M_QPSK_CH132322 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3490.000 | -68.48 | 7.66 | -60.82 | -13.00 | -47.82 | peak |
| 2* | 5235.000 | -68.11 | 12.90 | -55.21 | -13.00 | -42.21 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 66_20M_QPSK_CH132572 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3540.000 | -67.80 | 7.80 | -60.00 | -13.00 | -47.00 | peak |
| 2* | 5310.000 | -68.40 | 13.09 | -55.31 | -13.00 | -42.31 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 66_20M_QPSK_CH132572 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 3540.000 | -66.43 | 7.80 | -58.63 | -13.00 | -45.63 | peak |
| 2* | 5310.000 | -69.85 | 13.09 | -56.76 | -13.00 | -43.76 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 71_20M_QPSK_CH133222 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1346.000 | -62.65 | 1.48 | -61.17 | -13.00 | -48.17 | peak |
| 2 | 2019.000 | -67.09 | 3.65 | -63.44 | -13.00 | -50.44 | peak |
| 3* | 2692.000 | -64.56 | 5.86 | -58.70 | -13.00 | -45.70 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 71_20M_QPSK_CH133222 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1346.000 | -63.48 | 1.48 | -62.00 | -13.00 | -49.00 | peak |
| 2 | 2019.000 | -67.38 | 3.65 | -63.73 | -13.00 | -50.73 | peak |
| 3* | 2692.000 | -64.13 | 5.86 | -58.27 | -13.00 | -45.27 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 71_20M_QPSK_CH133322 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1366.000 | -64.89 | 1.57 | -63.32 | -13.00 | -50.32 | peak |
| 2 | 2049.000 | -69.65 | 3.74 | -65.91 | -13.00 | -52.91 | peak |
| 3* | 2732.000 | -66.88 | 6.02 | -60.86 | -13.00 | -47.86 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 71_20M_QPSK_CH133322 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1366.000 | -63.97 | 1.57 | -62.40 | -13.00 | -49.40 | peak |
| 2 | 2049.000 | -68.46 | 3.74 | -64.72 | -13.00 | -51.72 | peak |
| 3* | 2732.000 | -65.73 | 6.02 | -59.71 | -13.00 | -46.71 | peak |

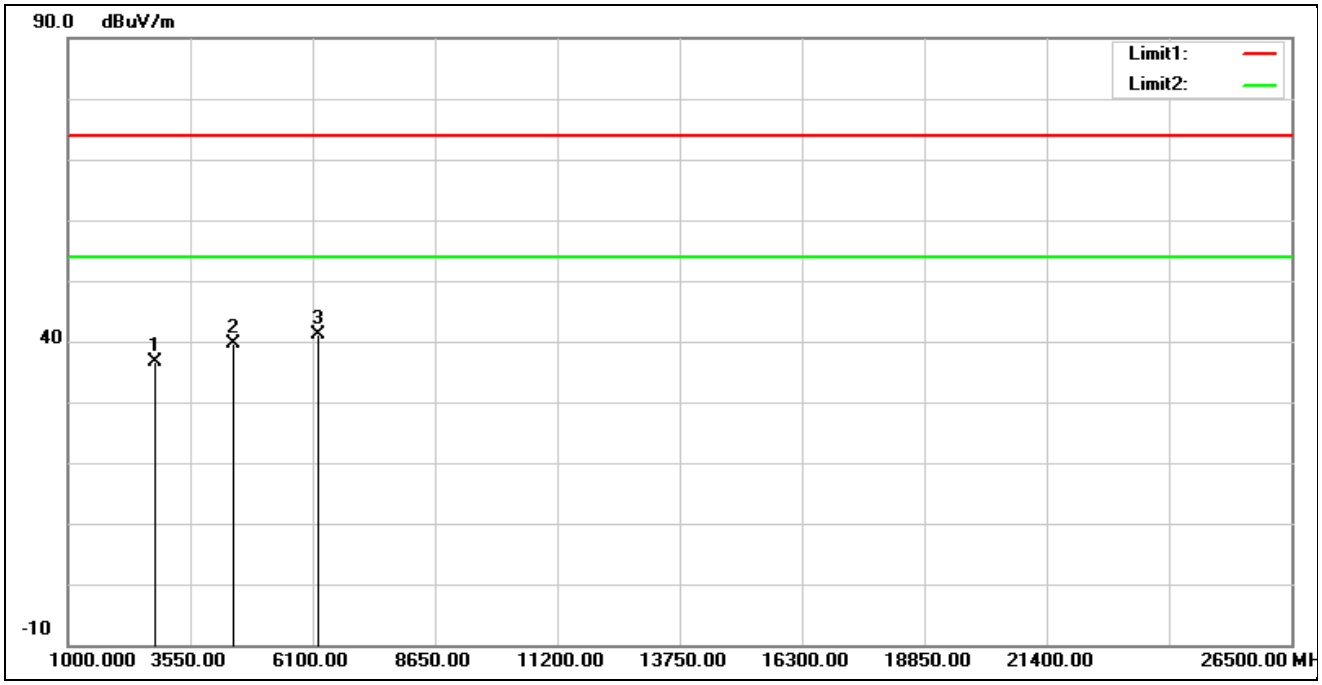
| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G_BAND 71_20M_QPSK_CH133372 1RB | | |
| Remark: | | | |

| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1376.000 | -64.49 | 1.61 | -62.88 | -13.00 | -49.88 | peak |
| 2 | 2064.000 | -69.47 | 3.80 | -65.67 | -13.00 | -52.67 | peak |
| 3* | 2752.000 | -65.41 | 6.11 | -59.30 | -13.00 | -46.30 | peak |

| | | | |
|---|---|---|---|
| Standard: | FCC_P22.24.27_other | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G_BAND 71_20M_QPSK_CH133372 1RB | | |
| Remark: | | | |

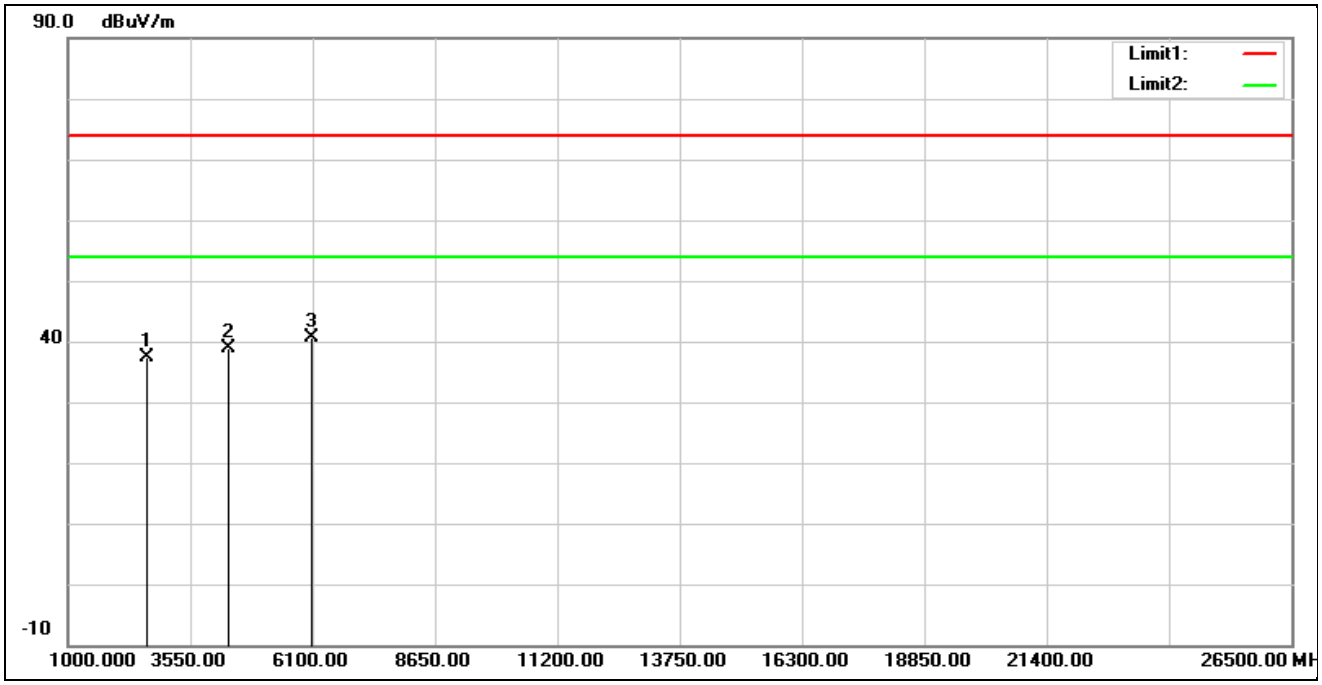
| No. | Frequency (MHz) | Reading (dBm) | Correction (dB) | Result (dBm) | Limit (dBm) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 1376.000 | -64.61 | 1.61 | -63.00 | -13.00 | -50.00 | peak |
| 2 | 2064.000 | -70.41 | 3.80 | -66.61 | -13.00 | -53.61 | peak |
| 3* | 2752.000 | -66.20 | 6.11 | -60.09 | -13.00 | -47.09 | peak |

| | | | |
|---|---|---|---|
| Standard: | Part 15C | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 2G GSM+WLAN 2.4GHz | | |
| Remark: | | | |



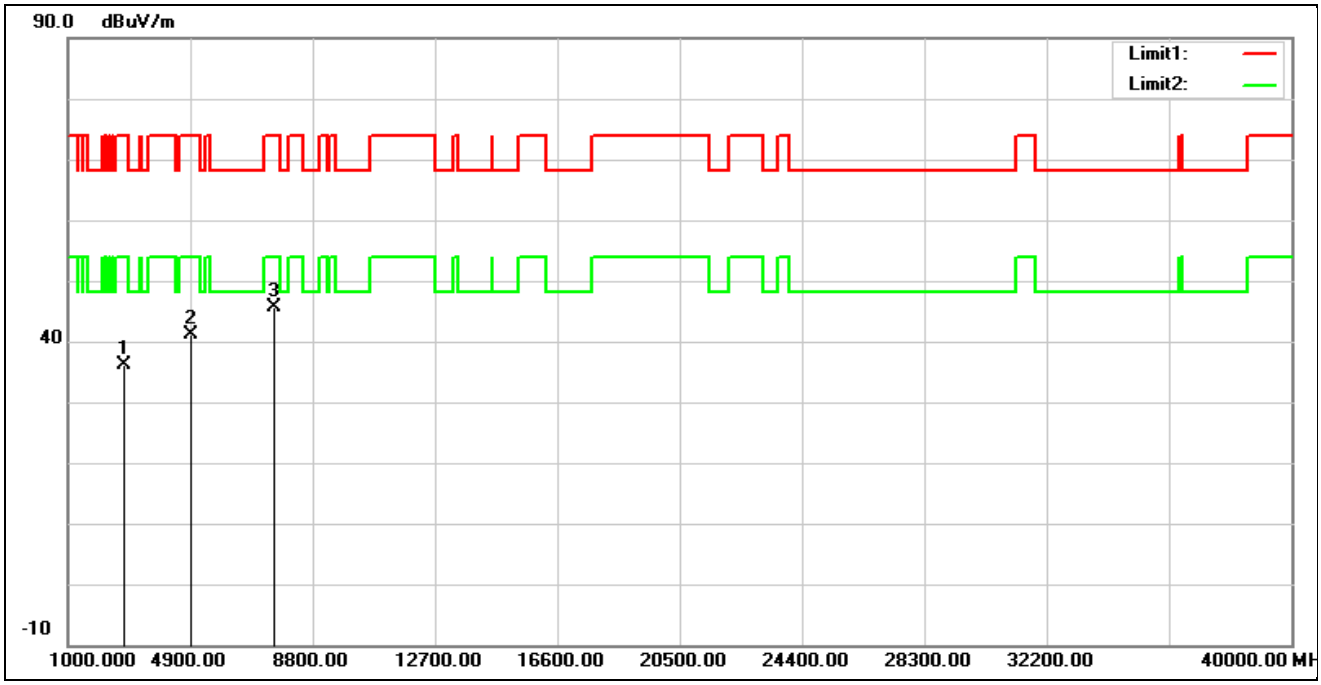

| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 2819.000 | 42.08 | -5.46 | 36.62 | 74.00 | -37.38 | peak |
| 2 | 4451.000 | 40.89 | -1.31 | 39.58 | 74.00 | -34.42 | peak |
| 3* | 6202.000 | 37.34 | 3.70 | 41.04 | 74.00 | -32.96 | peak |

| | | | |
|---|---|---|---|
| Standard: | Part 15C | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 2G GSM+WLAN 2.4GHz | | |
| Remark: | | | |



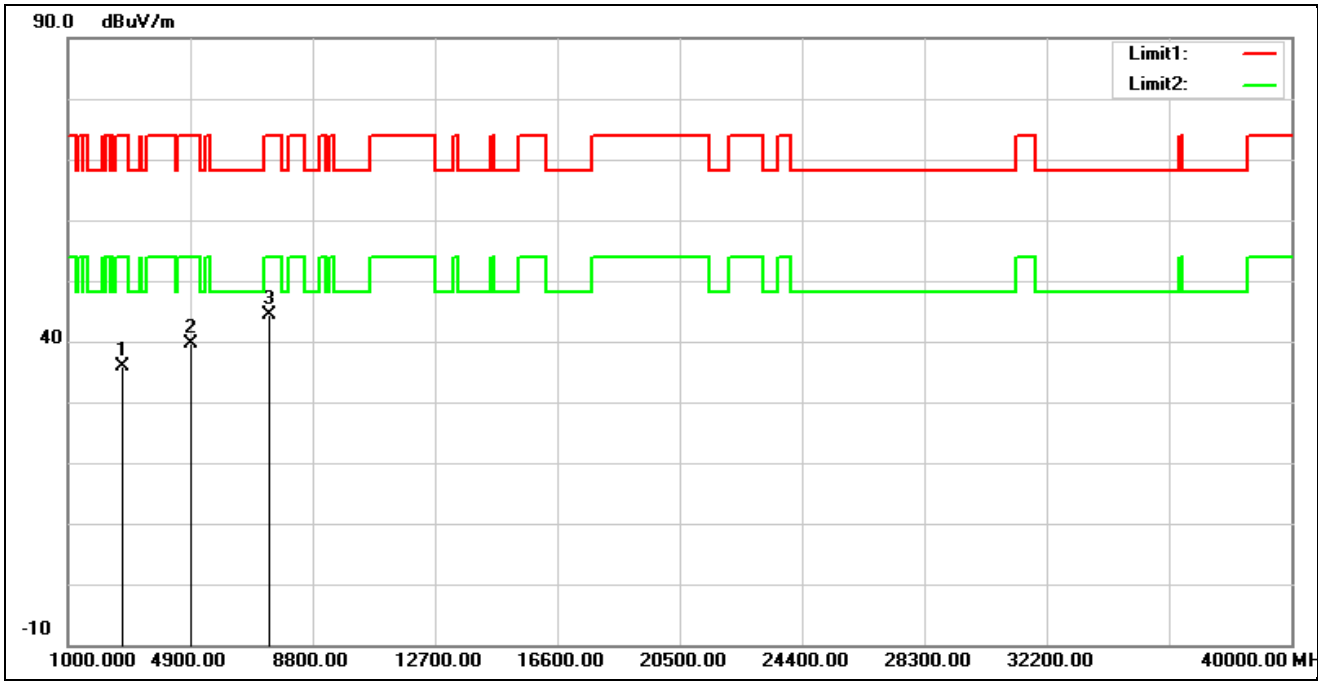

| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 2649.000 | 43.56 | -6.18 | 37.38 | 74.00 | -36.62 | peak |
| 2 | 4349.000 | 40.19 | -1.43 | 38.76 | 74.00 | -35.24 | peak |
| 3* | 6066.000 | 37.44 | 3.26 | 40.70 | 74.00 | -33.30 | peak |

| | | | |
|---|---|---|---|
| Standard: | Part 15E | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 3G WCDMA+WLAN 2.4GHz | | |
| Remark: | | | |



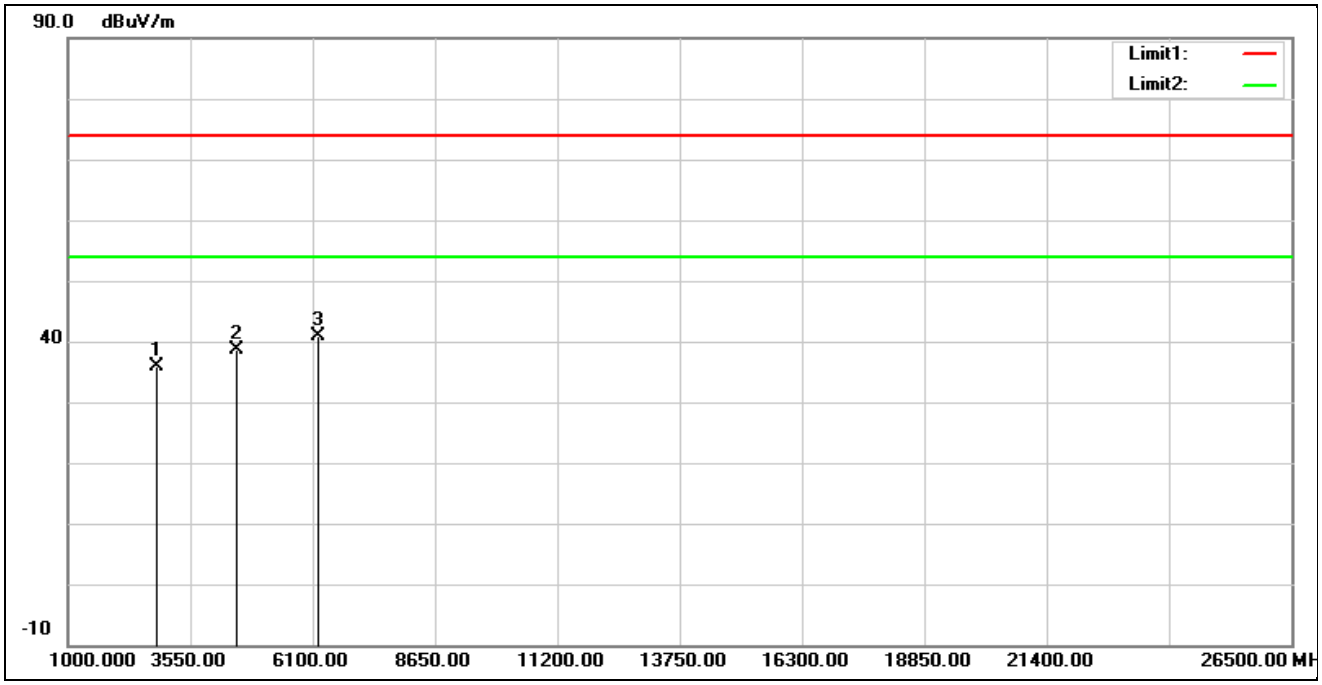

| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 2785.000 | 41.71 | -5.53 | 36.18 | 74.00 | -37.82 | peak |
| 2 | 4927.000 | 40.98 | 0.27 | 41.25 | 74.00 | -32.75 | peak |
| 3* | 7562.000 | 37.31 | 8.29 | 45.60 | 74.00 | -28.40 | peak |

| | | | |
|---|---|---|---|
| Standard: | Part 15E | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 3G WCDMA+WLAN 2.4GHz | | |
| Remark: | | | |



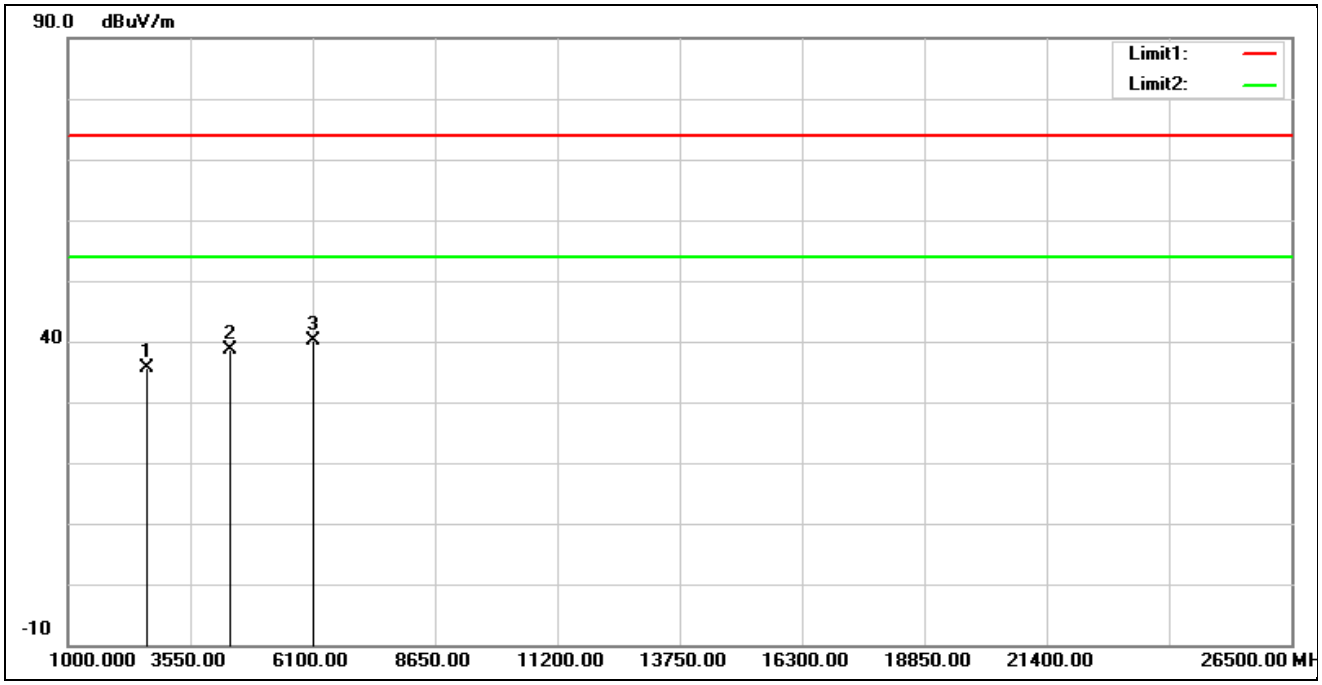

| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 2683.000 | 41.70 | -5.88 | 35.82 | 74.00 | -38.18 | peak |
| 2 | 4910.000 | 39.46 | 0.17 | 39.63 | 74.00 | -34.37 | peak |
| 3* | 7409.000 | 36.08 | 8.22 | 44.30 | 74.00 | -29.70 | peak |

| | | | |
|---|---|---|---|
| Standard: | Part 15C | Test Site: | 966 Chamber |
| Polarization: | Horizontal | | |
| Test Mode: | 4G LTE+WLAN 2.4GHz | | |
| Remark: | | | |




| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 2819.000 | 41.54 | -5.58 | 35.96 | 74.00 | -38.04 | peak |
| 2 | 4502.000 | 40.24 | -1.49 | 38.75 | 74.00 | -35.25 | peak |
| 3* | 6202.000 | 37.49 | 3.29 | 40.78 | 74.00 | -33.22 | peak |

| | | | |
|---|---|---|---|
| Standard: | Part 15C | Test Site: | 966 Chamber |
| Polarization: | Vertical | | |
| Test Mode: | 4G LTE+WLAN 2.4GHz | | |
| Remark: | | | |




| No. | Frequency (MHz) | Reading (dBuV) | Correction (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|---|---|---|---|---|---|---|---|
| 1 | 2649.000 | 41.94 | -6.32 | 35.62 | 74.00 | -38.38 | peak |
| 2 | 4366.000 | 40.40 | -1.67 | 38.73 | 74.00 | -35.27 | peak |
| 3* | 6117.000 | 36.94 | 3.11 | 40.05 | 74.00 | -33.95 | peak |

## 4.3. Average Output Power / Peak-to-Average Ratio / 26dB Bandwidth and Occupied Bandwidth / Band Edge / Conducted Spurious Emission / Frequency Stability/ End user device additional requirements

The equipment passed the requirement of this clause, the detail results refer to

Appendix A. Test Results_GSM

Appendix B. Test Results_WCDMA

Appendix C. Test Results_LTE

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