



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2215-2, XT2215-3, XT2215-4, XT2215DL
FCC ID : IHDT56AA4
STANDARD : 47 CFR Part 2, 22, 24, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Jan. 15, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

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People's Republic of China



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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|------------|---------|-------------------------|---------------|
| FG1N0903H | Rev. 01 | Initial issue of report | Jan. 30, 2022 |
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SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|---|--|--|-------------------------------------|--------|---|
| 3.4 | §2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h) | Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 66) | $< 43+10\log_{10}(P[\text{Watts}])$ | PASS | Under limit 32.35 dB at 5238.00 MHz |
| Remark : Only RSE item is verified for LTE inter band CA, all the conducted test items of inter band CA were cover by LTE single carrier due to the CA power is reduced according to 3GPP MPR. | | | | | |



1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

| Product Feature | |
|-----------------|--|
| Equipment | Mobile Cellular Phone |
| Brand Name | Motorola |
| Model Name | XT2215-2, XT2215-3, XT2215-4, XT2215DL |
| FCC ID | IHDT56AA4 |
| IMEI Code | Radiation: 351475460012023 |
| HW Version | DVT2 |
| SW Version | S1SD32.29 |
| EUT Stage | Identical Prototype |

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. The four models XT2215-2, XT2215-3, XT2215-4 and XT2215DL are only for market differentiation, all the others are the same.

1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|---|
| Tx Frequency | LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz |
| Rx Frequency | LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 66 : 2110 MHz~ 2200 MHz |
| Uplink CA Bands | 2A-4A; 2A-5A; 2A-12A; 2A-13A; 2A-66A; 4A-2A; 4A-5A; 4A-12A; 4A-13A; 5A-2A; 5A-4A; 5A-66A; 12A-2A; 12A-4A; 12A-66A; 13A-2A; 13A-4A; 13A-66A 66A-2A; 66A-5A; 66A-12A; 66A-13A |
| Type of Modulation | QPSK / 16QAM / 64QAM / 256QAM |

1.5 Modification of EUT

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

1.6 Specification of Accessory

| Specification of Accessory | | | | |
|----------------------------|-------------------|---------------------|-------------------|------------|
| AC Adapter 1 | Brand Name | Motorola(Chenyang) | Model Name | MC-101 |
| AC Adapter 2 | Brand Name | Motorola(Salcomp) | Model Name | MC-101 |
| AC Adapter 3 | Brand Name | Motorola(AOHAI) | Model Name | MC-101 |
| Battery | Brand Name | Motorola(ATL) | Model Name | MD50 |
| USB Cable 1 | Brand Name | Motorola(Saibao) | Model Name | SC18D22297 |
| USB Cable 2 | Brand Name | Motorola(Cabletech) | Model Name | SC18D22298 |
| USB Cable 3 | Brand Name | Motorola(Luxshare) | Model Name | SC18D22299 |



1.7 Testing Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

| | | | |
|---------------------------|---|----------------------------|---------------------------------------|
| Test Firm | Sporton International Inc. (Shenzhen) | | |
| Test Site Location | 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398 | | |
| Test Site No. | Sporton Site No. | FCC Designation No. | FCC Test Firm Registration No. |
| | 03CH01-SZ | CN1256 | 421272 |

1.8 Test Software

| Item | Site | Manufacture | Name | Version |
|------|-----------|-------------|------|-------------|
| 1. | 03CH01-SZ | AUDIX | E3 | 6.2009-8-24 |

1.9 Applicable Standards

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

- 47 CFR Part 2, 22, 24, 27
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

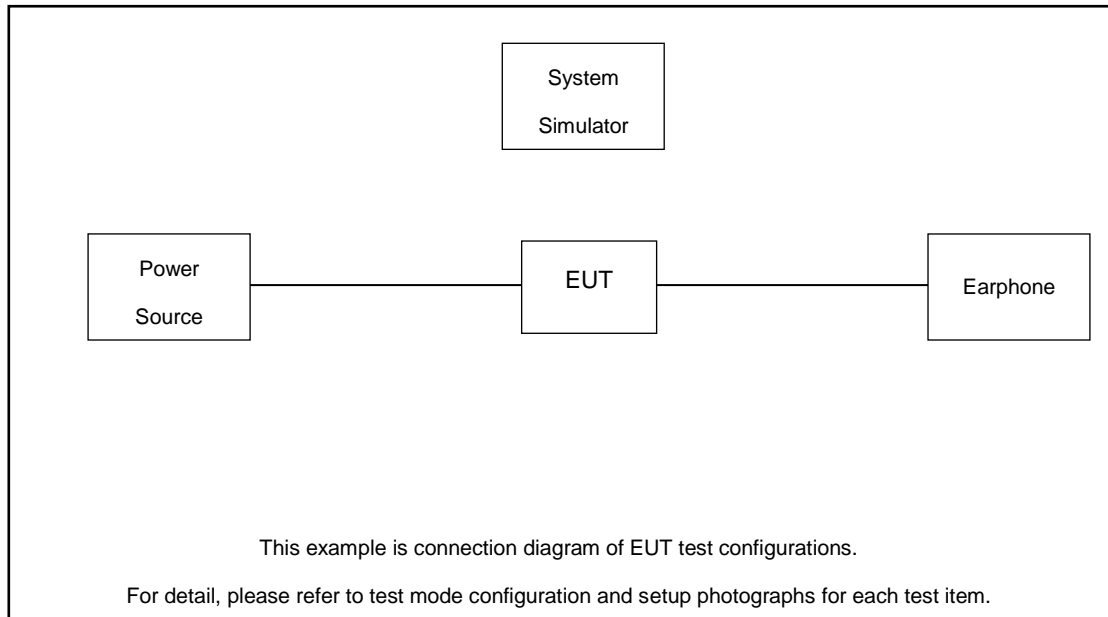
2.1 Test Mode

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

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

| Test Items | Band | Bandwidth (MHz) | | | | Modulation | | | | RB # | | | Test Channel | | |
|----------------------------|---|-----------------|----|----|------------|------------|-------|-------|--------|------|------|------|--------------|---|---|
| | | 5 | 10 | 15 | 20 | QPSK | 16QAM | 64QAM | 256QAM | 1 | Half | Full | L | M | H |
| Radiated Spurious Emission | CA_2A-4A | | | | | Worst Case | | | | | | | | v | |
| | CA_2A-5A | | | | | Worst Case | | | | | | | | v | |
| | CA_2A-12A | | | | | Worst Case | | | | | | | | v | |
| | CA_2A-13A | | | | | Worst Case | | | | | | | | v | |
| | CA_2A-66A | | | | | Worst Case | | | | | | | | v | |
| | CA_4A-5A | | | | | Worst Case | | | | | | | | v | |
| | CA_4A-12A | | | | | Worst Case | | | | | | | | v | |
| | CA_4A-13A | | | | | Worst Case | | | | | | | | v | |
| | CA_5A-66A | | | | | Worst Case | | | | | | | | v | |
| | CA_12A-66A | | | | | Worst Case | | | | | | | | v | |
| | CA_13A-66A | | | | | Worst Case | | | | | | | | v | |
| | CA_4A-2A | | | | | Worst Case | | | | | | | | v | |
| | CA_5A-2A | | | | | Worst Case | | | | | | | | v | |
| | CA_12A-2A | | | | | Worst Case | | | | | | | | v | |
| | CA_13A-2A | | | | | Worst Case | | | | | | | | v | |
| | CA_66A-2A | | | | | Worst Case | | | | | | | | v | |
| | CA_5A-4A | | | | | Worst Case | | | | | | | | v | |
| | CA_12A-4A | | | | | Worst Case | | | | | | | | v | |
| | CA_13A-4A | | | | | Worst Case | | | | | | | | v | |
| | CA_66A-5A | | | | | Worst Case | | | | | | | | v | |
| CA_66A-12A | | | | | Worst Case | | | | | | | | v | | |
| CA_66A-13A | | | | | Worst Case | | | | | | | | v | | |
| Note | <ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. | | | | | | | | | | | | | | |

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

2.3 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|--------------|------------|-----------|--------|------------|----------------|
| 1. | Earphone | Eimuse | E-500MV | N/A | Fcc DoC | Shielded, 2.2m |
| 2. | Base Station | Anritsu | MT8821C | N/A | Fcc DoC | N/A |



2.4 Frequency List of Low/Middle/High Channels

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

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



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

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

| LTE Band 13 Channel and Frequency List | | | | |
|--|------------------------|--------|--------|---------|
| BW [MHz] | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10 | Channel | - | 23230 | - |
| | Frequency | - | 782 | - |
| 5 | Channel | 23205 | 23230 | 23255 |
| | Frequency | 779.5 | 782 | 784.5 |



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

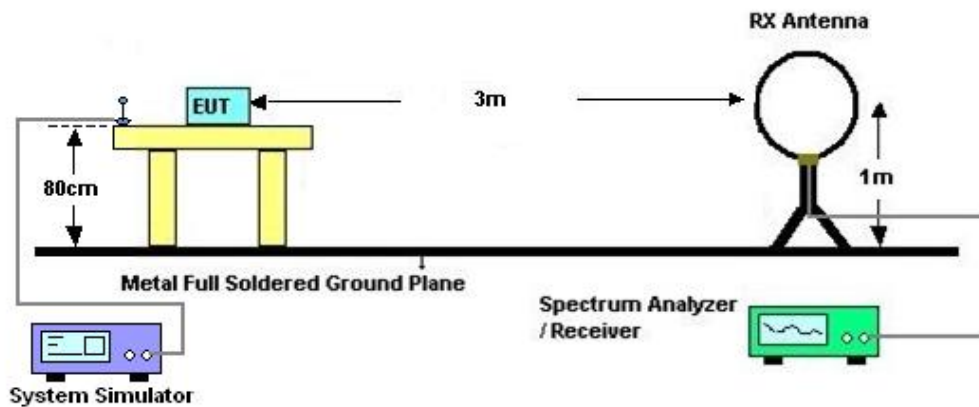
3 Radiated Test Items

3.1 Measuring Instruments

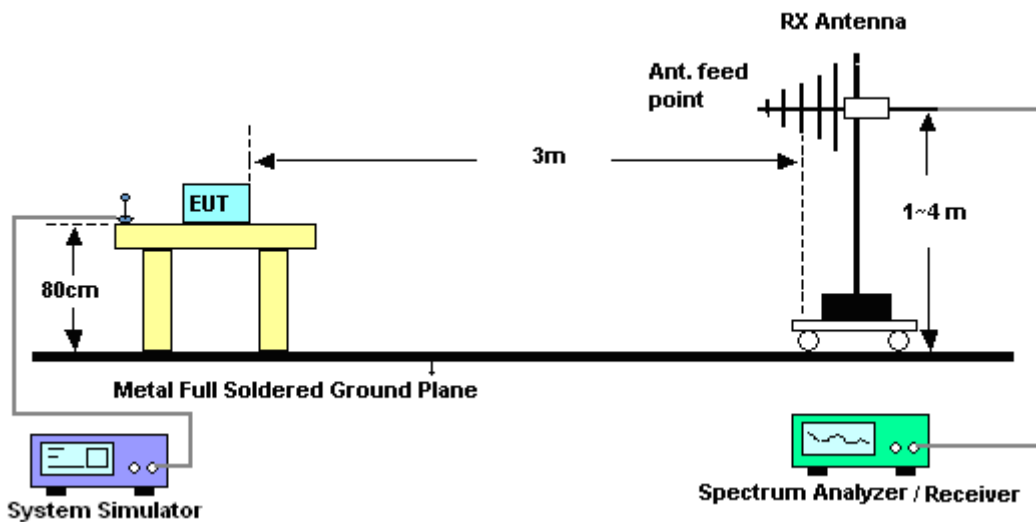
See list of measuring instruments of this test report.

3.2 Test Setup

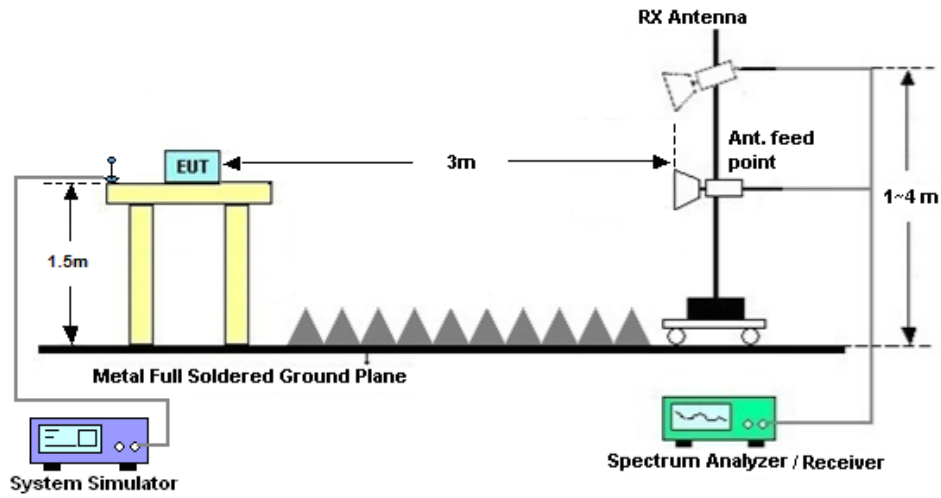
3.2.1 For radiated test below 30MHz



3.2.2 For radiated test from 30MHz to 1GHz



3.2.3 For radiated test above 1GHz



3.3 Test Result of Radiated Test

Please refer to Appendix A.



3.4 Radiated Spurious Emission

3.4.1 Description of Radiated Spurious Emission

For LTE Band 2, 4, 5, 12, 66

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 13

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

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

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
11. $ERP (dBm) = EIRP - 2.15$
12. For Band 5

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$



4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|--------------|----------------------------------|------------------|-----------------|------------------|---------------|---------------|-----------------------|
| EXA Spectrum Analyzer | KEYSIGHT | N9010A | MY55150213 | 10Hz~44GHz | Jul. 21, 2021 | Jan. 15, 2022 | Jul. 20, 2022 | Radiation (03CH01-SZ) |
| Loop Antenna | R&S | HFH2-Z2 | 100354 | 9kHz~30MHz | Jun. 22, 2020 | Jan. 15, 2022 | Jun. 21, 2022 | Radiation (03CH01-SZ) |
| Bilog Antenna | TeseQ | CBL6112D | 35407 | 30MHz-2GHz | Jul. 15, 2021 | Jan. 15, 2022 | Jul. 14, 2022 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 00119436 | 1GHz~18GHz | Jul. 25, 2021 | Jan. 15, 2022 | Jul. 24, 2022 | Radiation (03CH01-SZ) |
| SHF-EHF Horn | com-power | AH-840 | 101071 | 18GHz-40GHz | Apr. 11, 2021 | Jan. 15, 2022 | Apr. 10, 2022 | Radiation (03CH01-SZ) |
| LF Amplifier | Burgeon | BPA-530 | 102209 | 0.01~3000Mhz | Apr. 07, 2021 | Jan. 15, 2022 | Apr. 06, 2022 | Radiation (03CH01-SZ) |
| HF Amplifier | MITEQ | AMF-7D-00 101800-30-1 0P-R | 1943528 | 1GHz~18GHz | Oct. 15, 2021 | Jan. 15, 2022 | Oct. 14, 2022 | Radiation (03CH01-SZ) |
| HF Amplifier | KEYSIGHT | 83017A | MY53270105 | 0.5GHz~26.5Ghz | Oct. 16, 2021 | Jan. 15, 2022 | Oct. 15, 2022 | Radiation (03CH01-SZ) |
| HF Amplifier | MITEQ | TTA1840-35 -HG | 1871923 | 18GHz~40GHz | Jul. 21, 2021 | Jan. 15, 2022 | Jul. 20, 2022 | Radiation (03CH01-SZ) |
| AC Power Source | Chroma | 61601 | 61601000198 5 | N/A | NCR | Jan. 15, 2022 | NCR | Radiation (03CH01-SZ) |
| Turn Table | EM | EM1000 | N/A | 0~360 degree | NCR | Jan. 15, 2022 | NCR | Radiation (03CH01-SZ) |
| Antenna Mast | EM | EM1000 | N/A | 1 m~4 m | NCR | Jan. 15, 2022 | NCR | Radiation (03CH01-SZ) |

NCR: No Calibration Required



5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.48dB |
|---|--------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.53dB |
|---|--------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 4.02dB |
|---|--------|



Appendix A. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|---------------------|---------------------|---------|
| Test Engineer : | KuangJia/WenBo XIAO | Temperature : | 22~25°C |
| | | Relative Humidity : | 48~52% |

| ULCA_2A-4A Ant 2+1 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| LTE B2 BW 20MHz Middle 1RB0,QPSK | 3742.18 | -57.44 | -13 | -44.44 | -80.33 | -64.19 | 5.85 | 12.60 | H |
| | 5613.27 | -48.08 | -13 | -35.08 | -72.36 | -53.88 | 7.30 | 13.10 | H |
| | 7484.36 | -54.90 | -13 | -41.90 | -81.36 | -58.05 | 8.35 | 11.50 | H |
| | 3742.18 | -55.29 | -13 | -42.29 | -80.19 | -62.04 | 5.85 | 12.60 | V |
| | 5613.27 | -47.63 | -13 | -34.63 | -72.76 | -53.43 | 7.30 | 13.10 | V |
| | 7484.36 | -55.07 | -13 | -42.07 | -81.51 | -58.22 | 8.35 | 11.50 | V |
| LTE B4 BW 20MHz Middle 1RB0,QPSK | 3447.18 | -58.82 | -13 | -45.82 | -79.98 | -65.57 | 5.85 | 12.60 | H |
| | 5170.77 | -56.83 | -13 | -43.83 | -80.75 | -62.63 | 7.30 | 13.10 | H |
| | 6894.36 | -55.68 | -13 | -42.68 | -81.35 | -58.83 | 8.35 | 11.50 | H |
| | 3447.18 | -57.81 | -13 | -44.81 | -79.91 | -64.56 | 5.85 | 12.60 | V |
| | 5170.77 | -56.31 | -13 | -43.31 | -80.73 | -62.11 | 7.30 | 13.10 | V |
| | 6894.36 | -54.55 | -13 | -41.55 | -81.5 | -57.70 | 8.35 | 11.50 | V |

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

| ULCA_2A-5A Ant 2+1 | | | | | | | | | |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| LTE B2 BW 20MHz Middle 1RB0,QPSK | 3742.18 | -56.52 | -13 | -43.52 | -79.41 | -63.27 | 5.85 | 12.60 | H |
| | 5613.27 | -56.16 | -13 | -43.16 | -80.44 | -61.96 | 7.30 | 13.10 | H |
| | 7484.36 | -53.64 | -13 | -40.64 | -80.10 | -56.79 | 8.35 | 11.50 | H |
| | 3742.18 | -54.82 | -13 | -41.82 | -79.72 | -61.57 | 5.85 | 12.60 | V |
| | 5613.27 | -55.88 | -13 | -42.88 | -81.01 | -61.68 | 7.30 | 13.10 | V |
| | 7484.36 | -54.19 | -13 | -41.19 | -80.63 | -57.34 | 8.35 | 11.50 | V |
| LTE B5 BW 10MHz Middle 1RB0,QPSK | 1664.18 | -64.40 | -13 | -51.40 | -76.05 | -67.65 | 4.00 | 9.40 | H |
| | 2496.27 | -59.30 | -13 | -46.30 | -78.07 | -62.87 | 4.88 | 10.60 | H |
| | 3328.36 | -58.33 | -13 | -45.33 | -79.30 | -63.26 | 5.52 | 12.60 | H |
| | 1664.18 | -64.31 | -13 | -51.31 | -76.63 | -67.56 | 4.00 | 9.40 | V |
| | 2496.27 | -58.93 | -13 | -45.93 | -77.96 | -62.50 | 4.88 | 10.60 | V |
| | 3328.36 | -57.88 | -13 | -44.88 | -79.35 | -62.81 | 5.52 | 12.60 | V |

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



ULCA_2A-12A Ant 2+2

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B2 and LTE B12 configurations.

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

ULCA_2A-13A Ant 2+1

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B2 and LTE B13 configurations.

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



ULCA_2A-66A Ant 2+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B2 BW 20MHz Middle 1RB0,QPSK | 3742.18 | -60.96 | -13 | -47.96 | -77.59 | -67.71 | 5.85 | 12.60 | H |
| | 5613.27 | -60.50 | -13 | -47.50 | -80.02 | -66.30 | 7.30 | 13.10 | H |
| | 7484.36 | -53.74 | -13 | -40.74 | -77.49 | -56.89 | 8.35 | 11.50 | H |
| | 3742.18 | -61.38 | -13 | -48.38 | -77.63 | -68.13 | 5.85 | 12.60 | V |
| | 5613.27 | -60.83 | -13 | -47.83 | -79.83 | -66.63 | 7.30 | 13.10 | V |
| | 7484.36 | -55.80 | -13 | -42.80 | -79.94 | -58.95 | 8.35 | 11.50 | V |
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 3492 | -62.91 | -13 | -49.91 | -78.28 | -69.76 | 5.65 | 12.50 | H |
| | 5238 | -57.66 | -13 | -44.66 | -76.92 | -63.33 | 7.13 | 12.80 | H |
| | 6984 | -57.80 | -13 | -44.80 | -80.05 | -61.20 | 8.40 | 11.80 | H |
| | 3492 | -62.88 | -13 | -49.88 | -78.29 | -69.73 | 5.65 | 12.50 | V |
| | 5238 | -57.85 | -13 | -44.85 | -76.68 | -63.52 | 7.13 | 12.80 | V |
| | 6984 | -57.77 | -13 | -44.77 | -80.22 | -61.17 | 8.40 | 11.80 | V |

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

ULCA_4A-5A Ant 1+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B4 BW 20MHz Middle 1RB0,QPSK | 3447.18 | -53.99 | -13 | -40.99 | -69.15 | -60.84 | 5.65 | 12.50 | H |
| | 5170.77 | -61.25 | -13 | -48.25 | -80.87 | -66.92 | 7.13 | 12.80 | H |
| | 6894.36 | -54.32 | -13 | -41.32 | -76.43 | -57.72 | 8.40 | 11.80 | H |
| | 3447.18 | -60.13 | -13 | -47.13 | -75.31 | -66.98 | 5.65 | 12.50 | V |
| | 5170.77 | -61.67 | -13 | -48.67 | -80.97 | -67.34 | 7.13 | 12.80 | V |
| | 6894.36 | -58.20 | -13 | -45.20 | -80.65 | -61.60 | 8.40 | 11.80 | V |
| LTE B5 BW 10MHz Middle 1RB0,QPSK | 1664.18 | -67.49 | -13 | -54.49 | -74.49 | -70.74 | 4.00 | 9.40 | H |
| | 2496.27 | -64.29 | -13 | -51.29 | -75.97 | -67.86 | 4.88 | 10.60 | H |
| | 3328.36 | -62.43 | -13 | -49.43 | -77.30 | -67.36 | 5.52 | 12.60 | H |
| | 1664.18 | -67.19 | -13 | -54.19 | -74.33 | -70.44 | 4.00 | 9.40 | V |
| | 2496.27 | -63.98 | -13 | -50.98 | -75.75 | -67.55 | 4.88 | 10.60 | V |
| | 3328.36 | -62.35 | -13 | -49.35 | -77.20 | -67.28 | 5.52 | 12.60 | V |

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



ULCA_4A-12A Ant 1+2

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B4 and LTE B12 configurations.

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

ULCA_4A-13A Ant 1+1

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B4 and LTE B13 configurations.

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



ULCA_5A-66A Ant 1+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B5 BW 10MHz Middle 1RB0,QPSK | 3492 | -61.81 | -13 | -48.81 | -77.18 | -68.66 | 5.65 | 12.50 | H |
| | 5238 | -61.31 | -13 | -48.31 | -80.57 | -66.98 | 7.13 | 12.80 | H |
| | 6984 | -58.05 | -13 | -45.05 | -80.30 | -61.45 | 8.40 | 11.80 | H |
| | 3492 | -62.76 | -13 | -49.76 | -78.17 | -69.61 | 5.65 | 12.50 | V |
| | 5238 | -61.88 | -13 | -48.88 | -80.71 | -67.55 | 7.13 | 12.80 | V |
| | 6984 | -57.48 | -13 | -44.48 | -79.93 | -60.88 | 8.40 | 11.80 | V |
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 1664.18 | -67.41 | -13 | -54.41 | -74.41 | -70.66 | 4.00 | 9.40 | H |
| | 2496.27 | -57.04 | -13 | -44.04 | -68.72 | -60.61 | 4.88 | 10.60 | H |
| | 3328.36 | -62.44 | -13 | -49.44 | -77.31 | -67.37 | 5.52 | 12.60 | H |
| | 1664.18 | -67.30 | -13 | -54.30 | -74.44 | -70.55 | 4.00 | 9.40 | V |
| | 2496.27 | -58.04 | -13 | -45.04 | -69.81 | -61.61 | 4.88 | 10.60 | V |
| | 3328.36 | -62.00 | -13 | -49.00 | -76.85 | -66.93 | 5.52 | 12.60 | V |

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

ULCA_12A-66A Ant 2+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B12 BW 10MHz Middle 1RB0,QPSK | 3492 | -62.04 | -13 | -49.04 | -77.41 | -68.89 | 5.65 | 12.50 | H |
| | 5238 | -61.44 | -13 | -48.44 | -80.70 | -67.11 | 7.13 | 12.80 | H |
| | 6984 | -58.06 | -13 | -45.06 | -80.31 | -61.46 | 8.40 | 11.80 | H |
| | 3492 | -62.12 | -13 | -49.12 | -77.53 | -68.97 | 5.65 | 12.50 | V |
| | 5238 | -61.68 | -13 | -48.68 | -80.51 | -67.35 | 7.13 | 12.80 | V |
| | 6984 | -57.57 | -13 | -44.57 | -80.02 | -60.97 | 8.40 | 11.80 | V |
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 1406 | -64.85 | -13 | -51.85 | -73.15 | -68.10 | 4.00 | 9.40 | H |
| | 2109 | -59.99 | -13 | -46.99 | -70.50 | -63.56 | 4.88 | 10.60 | H |
| | 2812 | -62.82 | -13 | -49.82 | -76.42 | -67.75 | 5.52 | 12.60 | H |
| | 3515 | -61.95 | -13 | -48.95 | -77.47 | -66.42 | 6.00 | 12.62 | V |
| | 1406 | -65.21 | -13 | -52.21 | -73.40 | -68.46 | 4.00 | 9.40 | V |
| | 2109 | -56.78 | -13 | -43.78 | -67.52 | -60.35 | 4.88 | 10.60 | V |

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



ULCA_13A-66A Ant 1+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B13 BW 10MHz Middle 1RB0,QPSK | 3492 | -62.86 | -13 | -49.86 | -78.23 | -69.71 | 5.65 | 12.50 | H |
| | 5238 | -61.27 | -13 | -48.27 | -80.53 | -66.94 | 7.13 | 12.80 | H |
| | 6984 | -57.96 | -13 | -44.96 | -80.21 | -61.36 | 8.40 | 11.80 | H |
| | 3492 | -62.87 | -13 | -49.87 | -78.28 | -69.72 | 5.65 | 12.50 | V |
| | 5238 | -61.93 | -13 | -48.93 | -80.76 | -67.60 | 7.13 | 12.80 | V |
| | 6984 | -57.65 | -13 | -44.65 | -80.1 | -61.05 | 8.40 | 11.80 | V |
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 1555 | -65.85 | -13 | -52.85 | -74.25 | -69.10 | 4.00 | 9.40 | H |
| | 2332.5 | -56.54 | -13 | -43.54 | -68.01 | -60.11 | 4.88 | 10.60 | H |
| | 3110 | -61.37 | -13 | -48.37 | -76.12 | -66.30 | 5.52 | 12.60 | H |
| | 1555 | -65.63 | -13 | -52.63 | -73.80 | -68.88 | 4.00 | 9.40 | V |
| | 2332.5 | -55.97 | -13 | -42.97 | -67.47 | -59.54 | 4.88 | 10.60 | V |
| | 3110 | -61.63 | -13 | -48.63 | -76.19 | -66.56 | 5.52 | 12.60 | V |

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

ULCA_4A-2A Ant 1+2

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B4 BW 20MHz Middle 1RB0,QPSK | 3447.18 | -60.16 | -13 | -47.16 | -75.32 | -67.01 | 5.65 | 12.50 | H |
| | 5170.77 | -53.80 | -13 | -40.80 | -73.42 | -59.47 | 7.13 | 12.80 | H |
| | 6894.36 | -58.81 | -13 | -45.81 | -80.92 | -62.21 | 8.40 | 11.80 | H |
| | 3447.18 | -60.90 | -13 | -47.90 | -76.08 | -67.75 | 5.65 | 12.50 | V |
| | 5170.77 | -55.50 | -13 | -42.50 | -74.8 | -61.17 | 7.13 | 12.80 | V |
| | 6894.36 | -57.85 | -13 | -44.85 | -80.3 | -61.25 | 8.40 | 11.80 | V |
| LTE B2 BW 20MHz Middle 1RB0,QPSK | 3742.18 | -61.11 | -13 | -48.11 | -77.74 | -67.86 | 5.85 | 12.60 | H |
| | 5613.27 | -60.53 | -13 | -47.53 | -80.05 | -66.33 | 7.30 | 13.10 | H |
| | 7484.36 | -56.27 | -13 | -43.27 | -80.02 | -59.42 | 8.35 | 11.50 | H |
| | 3742.18 | -61.60 | -13 | -48.60 | -77.85 | -68.35 | 5.85 | 12.60 | V |
| | 5613.27 | -61.12 | -13 | -48.12 | -80.12 | -66.92 | 7.30 | 13.10 | V |
| | 7484.36 | -56.04 | -13 | -43.04 | -80.18 | -59.19 | 8.35 | 11.50 | V |

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



ULCA_5A-2A Ant 1+2

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B5 and LTE B2 configurations.

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

ULCA_12A-2A Ant 2+2

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B12 and LTE B2 configurations.

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



ULCA_13A-2A Ant 1+2

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B13 BW 10MHz Middle 1RB0,QPSK | 3742.18 | -61.17 | -13 | -48.17 | -77.80 | -67.92 | 5.85 | 12.60 | H |
| | 5613.27 | -60.39 | -13 | -47.39 | -79.91 | -66.19 | 7.30 | 13.10 | H |
| | 7484.36 | -56.15 | -13 | -43.15 | -79.90 | -59.30 | 8.35 | 11.50 | H |
| | 3742.18 | -61.48 | -13 | -48.48 | -77.73 | -68.23 | 5.85 | 12.60 | V |
| | 5613.27 | -60.95 | -13 | -47.95 | -79.95 | -66.75 | 7.30 | 13.10 | V |
| | 7484.36 | -55.90 | -13 | -42.90 | -80.04 | -59.05 | 8.35 | 11.50 | V |
| LTE B2 BW 20MHz Middle 1RB0,QPSK | 1555 | -65.49 | -13 | -52.49 | -73.89 | -68.74 | 4.00 | 9.40 | H |
| | 2332.5 | -64.09 | -13 | -51.09 | -75.56 | -67.66 | 4.88 | 10.60 | H |
| | 3110 | -61.59 | -13 | -48.59 | -76.34 | -66.52 | 5.52 | 12.60 | H |
| | 1555 | -65.91 | -13 | -52.91 | -74.08 | -69.16 | 4.00 | 9.40 | V |
| | 2332.5 | -64.58 | -13 | -51.58 | -76.08 | -68.15 | 4.88 | 10.60 | V |
| | 3110 | -62.05 | -13 | -49.05 | -76.61 | -66.98 | 5.52 | 12.60 | V |

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

ULCA_66A-2A Ant 1+2

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 3742.18 | -60.24 | -13 | -47.24 | -76.87 | -66.99 | 5.85 | 12.60 | H |
| | 5613.27 | -59.52 | -13 | -46.52 | -79.04 | -65.32 | 7.30 | 13.10 | H |
| | 7484.36 | -55.41 | -13 | -42.41 | -79.16 | -58.56 | 8.35 | 11.50 | H |
| | 3742.18 | -60.25 | -13 | -47.25 | -76.5 | -67.00 | 5.85 | 12.60 | V |
| | 5613.27 | -60.07 | -13 | -47.07 | -79.07 | -65.87 | 7.30 | 13.10 | V |
| | 7484.36 | -54.75 | -13 | -41.75 | -78.89 | -57.90 | 8.35 | 11.50 | V |
| LTE B2 BW 20MHz Middle 1RB0,QPSK | 3492 | -61.90 | -13 | -48.90 | -77.27 | -68.75 | 5.65 | 12.50 | H |
| | 5238 | -45.35 | -13 | -32.35 | -64.61 | -51.02 | 7.13 | 12.80 | H |
| | 6984 | -57.15 | -13 | -44.15 | -79.40 | -60.55 | 8.40 | 11.80 | H |
| | 3492 | -61.88 | -13 | -48.88 | -77.29 | -68.73 | 5.65 | 12.50 | V |
| | 5238 | -48.51 | -13 | -35.51 | -67.34 | -54.18 | 7.13 | 12.80 | V |
| | 6984 | -56.95 | -13 | -43.95 | -79.4 | -60.35 | 8.40 | 11.80 | V |

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



ULCA_5A-4A Ant 1+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|---|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B5 BW 10MHz Middle 1RB0,QPSK | 3447.18 | -62.57 | -13 | -49.57 | -77.73 | -69.42 | 5.65 | 12.50 | H |
| | 5170.77 | -61.11 | -13 | -48.11 | -80.73 | -66.78 | 7.13 | 12.80 | H |
| | 6894.36 | -58.07 | -13 | -45.07 | -80.18 | -61.47 | 8.40 | 11.80 | H |
| | 3447.18 | -55.67 | -13 | -42.67 | -70.85 | -62.52 | 5.65 | 12.50 | V |
| | 5170.77 | -61.49 | -13 | -48.49 | -80.79 | -67.16 | 7.13 | 12.80 | V |
| | 6894.36 | -57.75 | -13 | -44.75 | -80.2 | -61.15 | 8.40 | 11.80 | V |
| LTE B4 BW 20MHz Middle 1RB0,QPSK | 1664.18 | -66.86 | -13 | -53.86 | -73.86 | -70.11 | 4.00 | 9.40 | H |
| | 2496.27 | -64.00 | -13 | -51.00 | -75.68 | -67.57 | 4.88 | 10.60 | H |
| | 3328.36 | -62.39 | -13 | -49.39 | -77.26 | -67.32 | 5.52 | 12.60 | H |
| | 1664.18 | -66.22 | -13 | -53.22 | -73.36 | -69.47 | 4.00 | 9.40 | V |
| | 2496.27 | -64.02 | -13 | -51.02 | -75.79 | -67.59 | 4.88 | 10.60 | V |
| | 3328.36 | -62.37 | -13 | -49.37 | -77.22 | -67.30 | 5.52 | 12.60 | V |

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

ULCA_12A-4A Ant 2+1

| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| LTE B12 BW 10MHz Middle 1RB0,QPSK | 3447.18 | -59.36 | -13 | -46.36 | -74.52 | -66.21 | 5.65 | 12.50 | H |
| | 5170.77 | -60.98 | -13 | -47.98 | -80.60 | -66.65 | 7.13 | 12.80 | H |
| | 6894.36 | -58.63 | -13 | -45.63 | -80.74 | -62.03 | 8.40 | 11.80 | H |
| | 3447.18 | -62.25 | -13 | -49.25 | -77.43 | -69.10 | 5.65 | 12.50 | V |
| | 5170.77 | -61.54 | -13 | -48.54 | -80.84 | -67.21 | 7.13 | 12.80 | V |
| | 6894.36 | -58.29 | -13 | -45.29 | -80.74 | -61.69 | 8.40 | 11.80 | V |
| LTE B4 BW 20MHz Middle 1RB0,QPSK | 1406 | -64.99 | -13 | -51.99 | -73.29 | -68.24 | 4.00 | 9.40 | H |
| | 2109 | -51.96 | -13 | -38.96 | -62.47 | -55.53 | 4.88 | 10.60 | H |
| | 2812 | -62.82 | -13 | -49.82 | -76.42 | -67.75 | 5.52 | 12.60 | H |
| | 1406 | -65.39 | -13 | -52.39 | -73.58 | -68.64 | 4.00 | 9.40 | V |
| | 2109 | -49.64 | -13 | -36.64 | -60.38 | -53.21 | 4.88 | 10.60 | V |
| | 2812 | -62.93 | -13 | -49.93 | -76.46 | -67.86 | 5.52 | 12.60 | V |

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



ULCA_13A-4A Ant 1+1

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B13 and LTE B4 configurations.

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

ULCA_66A-5A Ant 1+1

Table with 10 columns: Channel, Frequency (MHz), EIRP (dBm), Limit (dBm), Over Limit (dB), SPA Reading (dBm), S.G. Power (dBm), TX Cable loss (dB), TX Antenna Gain (dBi), Polarization (H/V). Rows include LTE B66 and LTE B5 configurations.

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



| ULCA_66A-12A Ant 1+2 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 3492 | -61.71 | -13 | -48.71 | -77.08 | -68.56 | 5.65 | 12.50 | H |
| | 5238 | -61.28 | -13 | -48.28 | -80.54 | -66.95 | 7.13 | 12.80 | H |
| | 6984 | -57.68 | -13 | -44.68 | -79.93 | -61.08 | 8.40 | 11.80 | H |
| | 3492 | -62.64 | -13 | -49.64 | -78.05 | -69.49 | 5.65 | 12.50 | V |
| | 5238 | -61.63 | -13 | -48.63 | -80.46 | -67.30 | 7.13 | 12.80 | V |
| | 6984 | -57.60 | -13 | -44.60 | -80.05 | -61.00 | 8.40 | 11.80 | V |
| LTE B12 BW 10MHz Middle 1RB0,QPSK | 1406 | -64.73 | -13 | -51.73 | -73.03 | -67.98 | 4.00 | 9.40 | H |
| | 2109 | -64.63 | -13 | -51.63 | -75.14 | -68.20 | 4.88 | 10.60 | H |
| | 2812 | -62.81 | -13 | -49.81 | -76.41 | -67.74 | 5.52 | 12.60 | H |
| | 1406 | -65.14 | -13 | -52.14 | -73.33 | -68.39 | 4.00 | 9.40 | V |
| | 2109 | -64.78 | -13 | -51.78 | -75.52 | -68.35 | 4.88 | 10.60 | V |
| | 2812 | -62.15 | -13 | -49.15 | -75.68 | -67.08 | 5.52 | 12.60 | V |

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

| ULCA_66A-13A Ant 1+1 | | | | | | | | | |
|--|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| LTE B66 BW 20MHz Middle 1RB0,QPSK | 3492 | -61.75 | -13 | -48.75 | -77.12 | -68.60 | 5.65 | 12.50 | H |
| | 5238 | -61.26 | -13 | -48.26 | -80.52 | -66.93 | 7.13 | 12.80 | H |
| | 6984 | -57.10 | -13 | -44.10 | -79.35 | -60.50 | 8.40 | 11.80 | H |
| | 3492 | -62.62 | -13 | -49.62 | -78.03 | -69.47 | 5.65 | 12.50 | V |
| | 5238 | -61.56 | -13 | -48.56 | -80.39 | -67.23 | 7.13 | 12.80 | V |
| | 6984 | -57.62 | -13 | -44.62 | -80.07 | -61.02 | 8.40 | 11.80 | V |
| LTE B13 BW 10MHz Middle 1RB0,QPSK | 1555 | -65.59 | -13 | -52.59 | -73.99 | -68.84 | 4.00 | 9.40 | H |
| | 2332.5 | -64.36 | -13 | -51.36 | -75.83 | -67.93 | 4.88 | 10.60 | H |
| | 3110 | -61.50 | -13 | -48.50 | -76.25 | -66.43 | 5.52 | 12.60 | H |
| | 1555 | -65.87 | -13 | -52.87 | -74.04 | -69.12 | 4.00 | 9.40 | V |
| | 2332.5 | -64.81 | -13 | -51.81 | -76.31 | -68.38 | 4.88 | 10.60 | V |
| | 3110 | -61.56 | -13 | -48.56 | -76.12 | -66.49 | 5.52 | 12.60 | V |

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