



FCC RF Test Report

APPLICANT : Fibocom Wireless Inc.
EQUIPMENT : 5G Module
BRAND NAME : Fibocom
MODEL NAME : FM350-GL
FCC ID : ZMOFM350GL
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(D), 27(L), 27(H),
 27(F), 27(M), 27(N), 27(O), 27(Q), 90(S), 90(R)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : May 31, 2023 ~ Jun. 07, 2023

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.

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|--------------|---------|-------------------------|---------------|
| FG051802-21A | Rev. 01 | Initial issue of report | Jun. 14, 2023 |
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SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|----------------|---|--|-------------------------------------|-------------|--------|
| 3 | §2.1046 | Conducted Output Power (All Band) | - | Report Only | - |
| | §22.913(a)(5) | Effective Radiated Power (Band V) (Band 5) (Band 26) (5G NR n5) | ERP < 7 Watt | PASS | - |
| | §27.50(b)(10) §27.50(c)(10) §90.542 (a)(7) | Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71) (Band 14) (5G NR n71) | ERP < 3 Watt | | |
| | §24.232(c) §27.50(h)(2) | Equivalent Isotropic Radiated Power (Band II) (Band 2) (Band 25) (Band 7) (Band 38) (Band 41) (5G NR n2, n25) (5G NR n7, n41, n38) | EIRP < 2Watt | | |
| | §27.50(d)(4) | Equivalent Isotropic Radiated Power (Band IV) (Band 4) (Band 66) (5G NR n66) | EIRP < 1Watt | | |
| | §27.50 (a)(3) | EIRP (Band 30) (5G NR n30) | EIRP < 250mW/5MHz | | |
| | §27.50(j)(3) | Equivalent Isotropic Radiated Power (5G NR n77, n78) | EIRP < 1Watt | | |
| 4.4 | §2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h) §90.543 (e)(3) §90.543 (f) | Radiated Spurious Emission (Band II) (Band 2) (Band IV) (Band 4) (Band V) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71) (Band 14) (5G NR n5, n2, n25) (5G NR n66, n71) (5G NR n77, n78) | < 43+10log ₁₀ (P[Watts]) | | |
| | §27.53 (a)(4) | Radiated Spurious Emission (Band 30) (5G NR n30) | < 70+10log ₁₀ (P[Watts]) | | |
| | §2.1053 §27.53(m)(4) | Radiated Spurious Emission (Band 7) (Band 38) (Band 41) (5G NR n7, n41, n38) | < 55+10log ₁₀ (P[Watts]) | | |

Note: This is a C2PC report, the change note could be referred to the FM350-GL_Class II Permissive Change letter which is exhibit separately. According to the change, only the related test cases of Power and RSE from original test report (Sporton Report Number 051802-04(FG)&051802 (FG&FW)) were verified for the differences.

| Conformity Assessment Condition: |
|---|
| 1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. |
| 2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty" |
| Disclaimer: |
| The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity. |



1 General Description

1.1 Applicant

Fibocom Wireless Inc.

1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China.

1.2 Manufacturer

Fibocom Wireless Inc.

1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China.

1.3 Product Feature of Equipment Under Test

| Product Feature | |
|-----------------|--------------------------------------|
| Equipment | 5G Module |
| Brand Name | Fibocom |
| Model Name | FM350-GL |
| FCC ID | ZMOFM350GL |
| IMEI Code | Conducted/Radiation: 862146050653151 |
| HW Version | V1.0.6 |
| SW Version | 81600.0000.00.29.22.06 |
| EUT Stage | Identical Prototype |

1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|--|
| Tx Frequency | WCDMA Band V: 824 MHz ~ 849 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 814 MHz ~ 849 MHz LTE Band 30 : 2305 MHz ~ 2315 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5 : 824 MHz ~ 849 MHz |



| | |
|----------------------|---|
| | 5G NR n7 : 2500 MHz ~ 2570 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 1710 MHz ~ 1780 MHz 5G NR n71: 663 MHz ~ 698 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz |
| Rx Frequency | WCDMA Band V: 869 MHz ~ 894 MHz WCDMA Band II: 1930 MHz ~ 1990 MHz WCDMA Band IV: 2110 MHz ~ 2155 MHz LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 14: 758 MHz ~ 768 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 859 MHz ~ 894 MHz LTE Band 30 : 2350 MHz ~ 2360 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 2110 MHz~ 2200 MHz LTE Band 71: 617 MHz ~ 652 MHz 5G NR n2 : 1930 MHz ~ 1990 MHz 5G NR n5 : 869 MHz ~ 894 MHz 5G NR n7 : 2620 MHz ~ 2690 MHz 5G NR n25 : 1930 MHz ~ 1995 MHz 5G NR n30 : 2350 MHz ~ 2360 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n66 : 2110 MHz~ 2200 MHz 5G NR n71: 617 MHz ~ 652 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz |
| SCS/Bandwidth | LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 14 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 30 : 5MHz / 10MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz 15KHz/30KHz: n2, n5, n25: 5MHz / 10MHz / 15MHz / 20MHz n30: 5MHz / 10MHz n66: 5MHz / 10MHz / 15MHz / 20MHz / 40MHz |



| | |
|---------------------------|---|
| | SCS: 15kHz: n7, n71, n38: 5MHz / 10MHz / 15MHz / 20MHz n41: 10MHz / 15MHz / 30MHz / 40MHz n77, n78: 10MHz / 15MHz / 20MHz SCS: 30kHz: n7, n71, n38: 10MHz / 15MHz / 20MHz n41: 10MHz / 15MHz / 30MHz / 40MHz / 50MHz / 80MHz / 100MHz n77, n78: 10MHz / 15MHz / 20MHz / 40MHz / 50MHz / 60MHz / 80MHz / 100MHz |
| NR Mode | NSA: n2/n5/n66/n41/n71/n77/n78 SA: n2/n5/n25/n66/n7/n38/n41/n71/n77/n78/n30 |
| Antenna Gain | Cellular Band: 3.0 dBi PCS Band: 4.0 dBi AWS Band: 3.0 dBi LTE Band 2 : 4.0 dBi LTE Band 4 : 3.0 dBi LTE Band 5 : 3.0 dBi LTE Band 7 : 4.0 dBi LTE Band 12 : 3.0 dBi LTE Band 13 : 3.0 dBi LTE Band 17 : 3.0 dBi LTE Band 25 : 4.0 dBi LTE Band 26 : 3.0 dBi LTE Band 30 : 1.0 dBi LTE Band 66 : 3.0 dBi LTE Band 38 : 4.0 dBi LTE Band 41 : 4.0 dBi LTE Band 71 : 3.0 dBi 5G NR n2: 4.0 dBi 5G NR n5: 3.0 dB 5G NR n7: 4.0 dBi 5G NR n25: 4.0 dBi 5G NR n30: 1.0 dBi 5G NR n38: 4.0 dBi 5G NR n41: 4.0 dBi 5G NR n66: 3.0 dB 5G NR n71: 3.0 dBi 5G NR n77: 3.0 dBi 5G NR n78: 3.0 dBi |
| Type of Modulation | WCDMA : BPSK HSDPA/DC-HSDPA : QPSK HSUPA : QPSK HSPA+ : 16QAM DC-HSDPA : 64QAM LTE: QPSK / 16QAM / 64QAM / 256QAM 5G NR: CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM |

1.5 Modification of EUT

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



1.6 Testing Location

Sporton International Inc. (ShenZhen) 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 | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595 | | |
| Test Site No. | Sporton Site No. | FCC Designation No. | FCC Test Firm Registration No. |
| | TH01-SZ | CN1256 | 421272 |

| | | | |
|---------------------------|---|----------------------------|---------------------------------------|
| 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. |
| | 03CH02-SZ | CN1256 | 421272 |

1.7 Test Software

| Item | Site | Manufacture | Name | Version |
|------|-----------|-------------|------|--------------|
| 1. | 03CH02-SZ | AUDIX | E3 | 6.2009-8-24a |

1.8 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(H), 24(E), 27(D), 27(L), 27(H), 27(F), 27(M), 27(N), 27(O), 27(Q), 90(S), 90(R)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

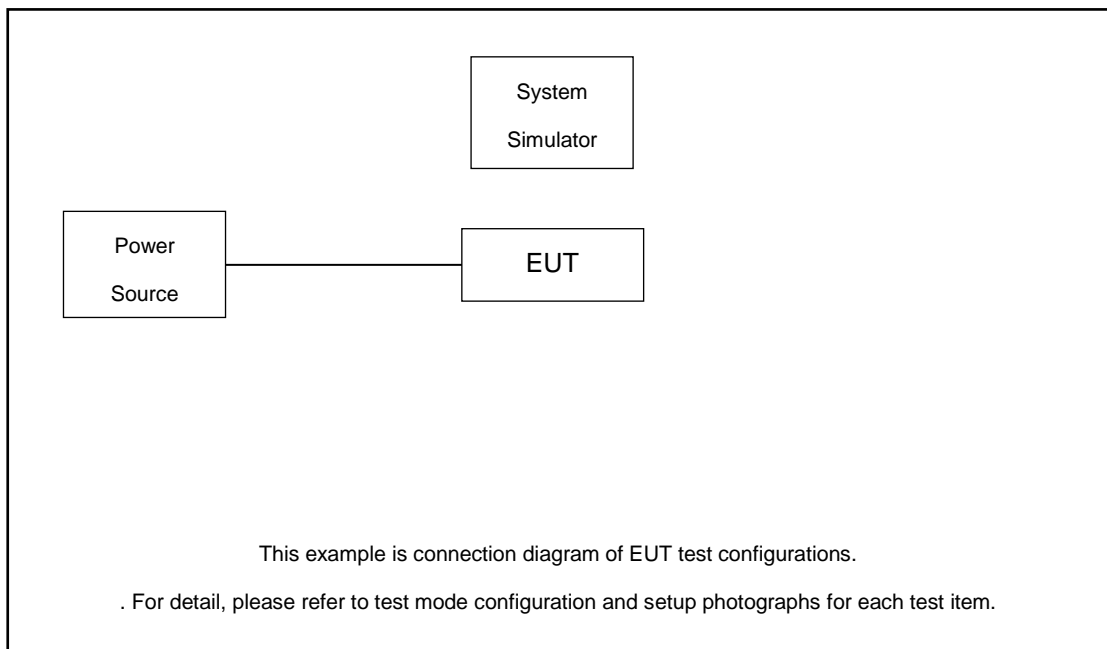
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

Radiated emissions in the frequency range from 30 MHz to the 10th harmonic

All test data refer to appendix A/B.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|------------------|------------|------------|--------|------------|-------------------|
| 1. | Power Supply | GWINSTEK | PSS-2002 | N/A | N/A | Unshielded, 1.8 m |
| 2. | LTE Base Station | Anritsu | MT8820C | N/A | N/A | Unshielded, 1.8 m |
| 3. | Base Station | Keysight | UXM E7515B | N/A | N/A | Unshielded, 1.5 m |
| 4. | Test Jig | N/A | N/A | N/A | N/A | N/A |

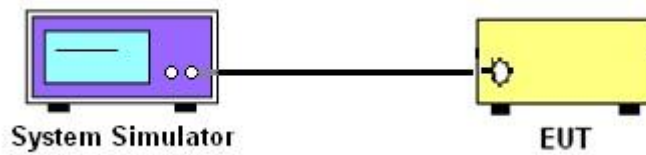
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

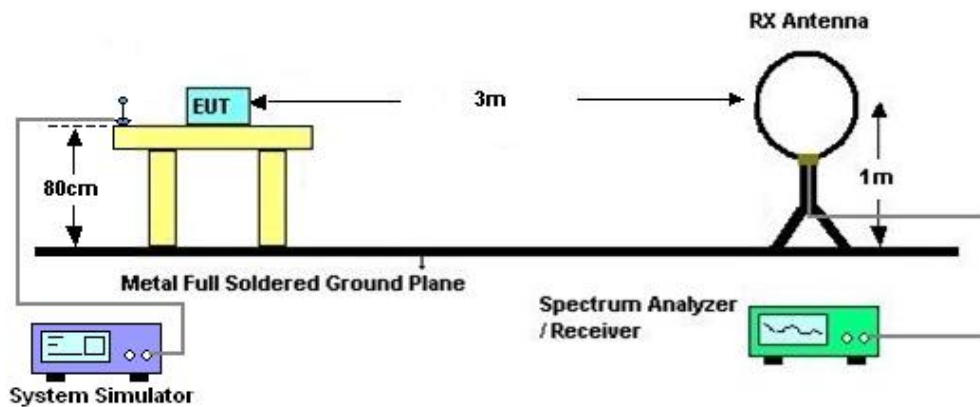
4 Radiated Test Items

4.1 Measuring Instruments

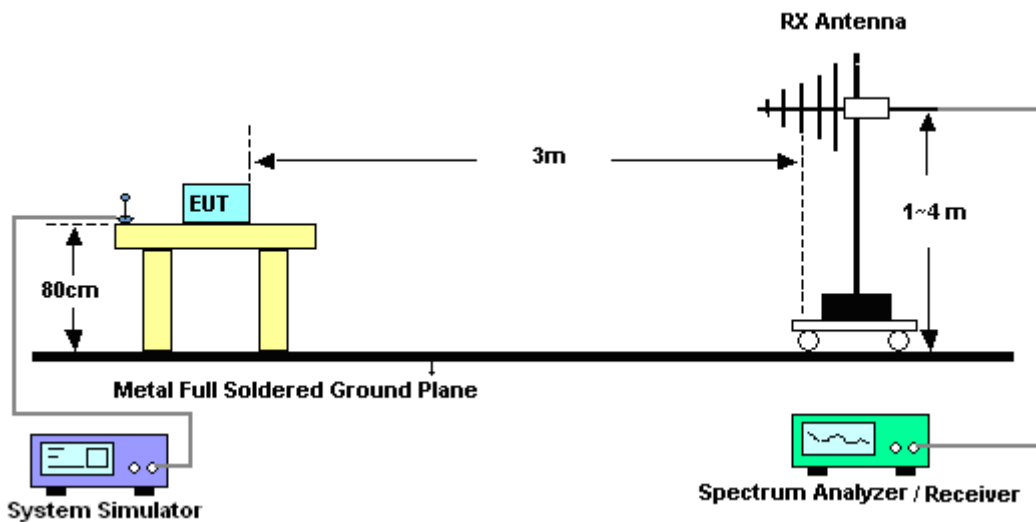
See list of measuring instruments of this test report.

4.2 Test Setup

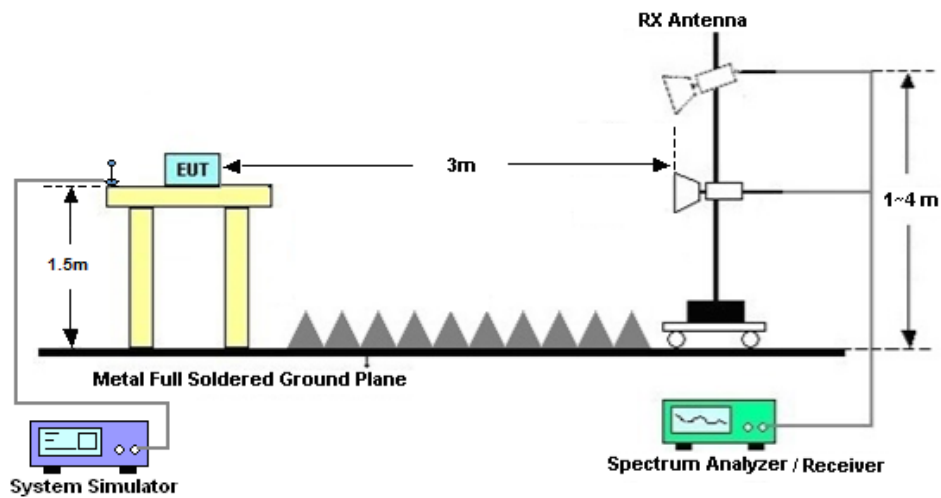
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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.

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

4.4.2 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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. 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)
= $P(W) - [43 + 10\log(P)] \text{ (dB)}$
= $[30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
= -13dBm.



5 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---------------------------|------------------------------|-------------------|--------------------|-----------------|------------------|---------------------------------|---------------|--------------------------|
| Power Divider | TOJOIN | PS-2SM-04 265 | 60.06.020.007 7 | 0.4GHz~26.5GHz | Dec. 25, 2022 | Jun. 02, 2023~ Jun. 07, 2023 | Dec. 24, 2023 | Conducted (TH01-SZ) |
| Thermal Chamber | Ten Billion Hongzhangroup | LP-150U | H2014081803 | -40~+150°C | Jul. 07, 2022 | Jun. 02, 2023~ Jun. 07, 2023 | Jul. 06, 2023 | Conducted (TH01-SZ) |
| EXA Spectrum Analyzer | KEYSIGHT | N9010A | MY55150213 | 10Hz~44GHz | Jul. 07, 2022 | May 31, 2023 | Jul. 06, 2023 | Radiation (03CH02-SZ) |
| Loop Antenna | R&S | HFH2-Z2 | 100354 | 9kHz~30MHz | Jul. 28, 2022 | May 31, 2023 | Jun. 27, 2024 | Radiation (03CH02-SZ) |
| Bilog Antenna | TeseQ | CBL6112D | 35407 | 30MHz~2GHz | Oct. 19, 2022 | May 31, 2023 | Oct. 18, 2023 | Radiation (03CH02-SZ) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 00119436 | 1GHz~18GHz | Jul. 07, 2022 | May 31, 2023 | Jul. 06, 2023 | Radiation (03CH02-SZ) |
| HF Amplifier | MITEQ | TTA1840-35 -HG | 1871923 | 18GHz~40GHz | Jul. 07, 2022 | May 31, 2023 | Jul. 06, 2023 | Radiation (03CH02-SZ) |
| SHF-EHF Horn | com-power | AH-840 | 101071 | 18Ghz~40GHz | Apr. 08, 2023 | May 31, 2023 | Apr. 07, 2024 | Radiation (03CH02-SZ) |
| LF Amplifier | Burgeon | BPA-530 | 102211 | 0.01~3000Mhz | Oct. 19, 2022 | May 31, 2023 | Oct. 18, 2023 | Radiation (03CH02-SZ) |
| HF Amplifier | KEYSIGHT | 83017A | MY53270105 | 0.5GHz~26.5Ghz | Oct. 19, 2022 | May 31, 2023 | Oct. 18, 2023 | Radiation (03CH02-SZ) |
| AC Power Source | Chroma | 61601 | 616010003043 | N/A | Nov. 10, 2022 | May 31, 2023 | Nov. 10, 2023 | Radiation (03CH02-SZ) |
| Turn Table | Chaintek | T-200 | N/A | 0~360 degree | NCR | May 31, 2023 | NCR | Radiation (03CH02-SZ) |
| Antenna Mast | Chaintek | MBS-400 | N/A | 1 m~4 m | NCR | May 31, 2023 | NCR | Radiation (03CH02-SZ) |

NCR: No Calibration Required



6 Measurement Uncertainty

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 Conducted Measurement

| Test Item | Uncertainty |
|----------------------------|-------------|
| Conducted Power | ±1.34 dB |
| Conducted Emissions | ±1.34 dB |
| Occupied Channel Bandwidth | ±0.13 % |

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.47dB |
|---|--------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.31dB |
|---|--------|

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

| | |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.72dB |
|---|--------|



Appendix A. Test Results of Conducted Test

| Test Item | Mode | Parent Worst mode Test Result | Variant Check Test Result | Difference (dB) |
|-------------------|-------------|-------------------------------|---------------------------|-----------------|
| Conducted Power | WCDMA II | 23.46 | 23.43 | 0.03 |
| | WCDMA IV | 23.45 | 23.41 | 0.03 |
| | WCDMA V | 23.60 | 23.26 | 0.34 |
| | LTE Band 2 | 22.46 | 22.45 | 0.01 |
| | LTE Band 4 | 22.46 | 22.43 | 0.03 |
| | LTE Band 5 | 23.67 | 22.98 | 0.69 |
| | LTE Band 7 | 22.58 | 22.56 | 0.02 |
| | LTE Band 12 | 24.02 | 23.28 | 0.74 |
| | LTE Band 13 | 23.67 | 23.11 | 0.56 |
| | LTE Band 14 | 23.72 | 23.03 | 0.69 |
| | LTE Band 17 | 23.86 | 23.16 | 0.7 |
| | LTE Band 25 | 22.46 | 22.42 | 0.04 |
| | LTE Band 26 | 23.70 | 23.01 | 0.69 |
| | LTE Band 30 | 21.88 | 21.83 | 0.05 |
| | LTE Band 66 | 22.86 | 22.82 | 0.04 |
| | LTE Band 71 | 23.81 | 23.16 | 0.65 |
| | LTE Band 38 | 22.39 | 22.33 | 0.06 |
| | LTE Band 41 | 23.50 | 23.20 | 0.3 |
| LTE Band 41(HPUE) | 26.40 | 26.16 | 0.24 | |

| Test Item | Mode | Parent Worst mode Test Result | Variant Check Test Result | Difference (dB) |
|-----------------|------|-------------------------------|---------------------------|-----------------|
| Conducted Power | n2 | 23.27 | 23.25 | 0.02 |
| | n5 | 24.51 | 23.74 | 0.77 |
| | n7 | 23.31 | 23.29 | 0.02 |
| | n25 | 22.77 | 22.58 | 0.19 |
| | n30 | 22.41 | 22.33 | 0.08 |
| | n38 | 23.27 | 23.18 | 0.09 |
| | n41 | 26.57 | 26.14 | 0.43 |
| | n66 | 23.2 | 23.14 | 0.06 |
| | n71 | 24.32 | 23.76 | 0.56 |
| | n77 | 25.93 | 25.12 | 0.81 |
| | n78 | 26.69 | 25.65 | 1.04 |



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

| | | | |
|-----------------|---------------|---------------------|---------|
| Test Engineer : | HuaCong Liang | Temperature : | 22~25°C |
| | | Relative Humidity : | 48~52% |

| WCDMA Band II (RMC 12.2Kbps) | | | | | | | | | |
|------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Lowest | 3704.8 | -62.01 | -13 | -49.01 | -79.99 | -68.77 | 5.82 | 12.58 | H |
| | 5557.2 | -59.62 | -13 | -46.62 | -81.60 | -65.34 | 7.28 | 13.00 | H |
| | 7409.6 | -53.29 | -13 | -40.29 | -80.82 | -56.45 | 8.32 | 11.48 | H |
| | 3704.8 | -62.17 | -13 | -49.17 | -80.05 | -68.93 | 5.82 | 12.58 | V |
| | 5557.2 | -59.96 | -13 | -46.96 | -82.12 | -65.68 | 7.28 | 13.00 | V |
| | 7409.6 | -53.40 | -13 | -40.40 | -80.95 | -56.56 | 8.32 | 11.48 | V |

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

| LTE Band 30 / 10MHz / QPSK | | | | | | | | | |
|----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 4611.00 | -63.23 | -40 | -23.23 | -57.81 | -69.48 | 6.45 | 12.70 | H |
| | 6916.50 | -59.21 | -40 | -19.21 | -57.77 | -62.61 | 8.40 | 11.80 | H |
| | 9222.00 | -54.63 | -40 | -14.63 | -59.32 | -56.98 | 9.65 | 12.00 | H |
| | 4611.00 | -62.42 | -40 | -22.42 | -57.38 | -68.67 | 6.45 | 12.70 | V |
| | 6916.50 | -58.67 | -40 | -18.67 | -57.71 | -62.07 | 8.40 | 11.80 | V |
| | 9222.00 | -54.93 | -40 | -14.93 | -58.8 | -57.28 | 9.65 | 12.00 | V |

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

| SA 5G NR n30 / 10MHz / QPSK | | | | | | | | | |
|-----------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| Middle | 4611.60 | -64.29 | -40 | -24.29 | -58.87 | -70.54 | 6.45 | 12.70 | H |
| | 6917.40 | -59.62 | -40 | -19.62 | -58.18 | -63.02 | 8.40 | 11.80 | H |
| | 9223.20 | -54.84 | -40 | -14.84 | -59.53 | -57.19 | 9.65 | 12.00 | H |
| | 4611.60 | -63.91 | -40 | -23.91 | -58.87 | -70.16 | 6.45 | 12.70 | V |
| | 6917.40 | -59.17 | -40 | -19.17 | -58.21 | -62.57 | 8.40 | 11.80 | V |
| | 9223.20 | -55.58 | -40 | -15.58 | -59.45 | -57.93 | 9.65 | 12.00 | V |

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