

: 01

Report No.: FG072903-01A



FCC RADIO TEST REPORT

FCC ID : UZ7ET56DT

Equipment : Tablet
Brand Name : Zebra
Model Name : ET56DT

Applicant : Zebra Technologies Corporation

1 Zebra Plaza, Holtsville, NY 11742

Manufacturer : Zebra Technologies Corporation

1 Zebra Plaza, Holtsville, NY 11742

Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)

The product was received on Jul. 31, 2020 and testing was started from Aug. 13, 2020 and completed on Sep. 07, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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Report Version

Report Template No.: BU5-FG22/24/27 Version 2.4

History of this test report

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| Report No. | Version | Description | Issued Date |
|--------------|---------|-------------------------|---------------|
| FG072903-01A | 01 | Initial issue of report | Sep. 14, 2020 |
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Summary of Test Result

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| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|------------------|---|---|-----------------------|--|
| | §2.1046 | Conducted Output Power | | |
| | §22.913 (a)(2) | Effective Radiated Power (WCDMA Band V) | _ | |
| 3.2 | §24.232 (c) | Equivalent Isotropic Radiated Power (WCDMA Band II) | Pass | - |
| | §27.50 (d)(4) | Equivalent Isotropic Radiated Power (WCDMA Band IV) | | |
| 3.3 | §24.232 (d) | Peak-to-Average Ratio | Pass | - |
| 3.4 | §2.1049 §22.917 (b) §24.238 (b) §27.53 (g) | Occupied Bandwidth (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV) | Pass | - |
| 3.5 | §2.1051 §22.917 (a) §24.238 (a) §27.53 (g) | Band Edge Measurement (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV) | Pass | - |
| 3.6 | §2.1051 §22.917 (a) §24.238 (a) §27.53 (g) | Conducted Emission (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV) | Pass | - |
| 3.7 | §2.1055 §22.355 §24.235 §27.54 | Frequency Stability Temperature & Voltage | Pass | - |
| §2.1053 Field | | Field Strength of Spurious Radiation (WCDMA Band V) (WCDMA Band II) (WCDMA Band IV) | Pass | Under limit 34.89 dB at 7410.000 MHz |

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Wii Chang
Report Producer: Vivian Hsu

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1 General Description

1.1 Product Feature of Equipment Under Test

| | Product Feature | | | | | |
|---------------------------------|---|--|--|--|--|--|
| Equipment | Tablet | | | | | |
| Brand Name | Zebra | | | | | |
| Model Name | ET56DT | | | | | |
| FCC ID | UZ7ET56DT | | | | | |
| EUT supports Radios application | WCDMA/HSPA/LTE/NFC/GNSS WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE | | | | | |
| HW Version | DV1 | | | | | |
| SW Version | Android 10 | | | | | |
| FW Version | 10-13-05.00-QG-U00-PRD-HEL-04 | | | | | |
| MFD | 15JUL20 | | | | | |
| EUT Stage | Identical Prototype | | | | | |

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Remark: The above EUT's information was declared by manufacturer.

| Specification of Accessories | | | | | |
|--------------------------------|-------------------|-------|-------------|-----------|--|
| Spare Standard Battery 36.75Wh | Brand Name | Zebra | Part Number | BT-000394 | |

| Supported Unit Used in Test Configuration and System | | | | | | |
|--|-------------------|-------|-------------|------------------|--|--|
| Cradle (Dock) for EMC | Brand Name | Zebra | Part Number | CRD-ET5X-1SCG1 | | |
| Cradle (Dock) for RSE | Brand Name | Zebra | Part Number | CHG-ET5X-CBL1-01 | | |
| Adapter for Cradle | Brand Name | Zebra | Part Number | PWRBGA12V50W0WW | | |
| DC Cable for Cradle | Brand Name | Zebra | Part Number | CBL-DC-388A1-01 | | |
| USB Cable | Brand Name | Zebra | Part Number | CBL-TC2X-USBC-01 | | |
| Adapter | Brand Name | Zebra | Part Number | PWR-WUA5V12W0US | | |

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1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification | | | | | |
|---|----------------------------------|--|--|--|--|
| | WCDMA: | | | | |
| Ty Fraguency | Band V: 826.4 MHz ~ 846.6 MHz | | | | |
| Tx Frequency | Band II: 1852.4 MHz ~ 1907.6 MHz | | | | |
| | Band IV: 1712.4 MHz ~ 1752.6 MHz | | | | |
| | WCDMA: | | | | |
| Dy Fraguency | Band V: 871.4 MHz ~ 891.6 MHz | | | | |
| Rx Frequency | Band II: 1932.4 MHz ~ 1987.6 MHz | | | | |
| | Band IV: 2112.4 MHz ~ 2152.6 MHz | | | | |
| | WCDMA: | | | | |
| Maximum Output Dawar to Antonna | Band V: 24.65 dBm | | | | |
| Maximum Output Power to Antenna | Band II: 24.60 dBm | | | | |
| | Band IV: 21.75 dBm | | | | |
| Antenna Type | PCB Antenna | | | | |
| | Cellular Band: 0.38 dBi | | | | |
| Antenna Gain | PCS Band: 0.58 dBi | | | | |
| | AWS Band: 2.25 dBi | | | | |
| | WCDMA: QPSK | | | | |
| Type of Modulation | HSDPA: 64QAM | | | | |
| | HSUPA: QPSK | | | | |

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1.3 Modification of EUT

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

1.4 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

| FCC Rule | Frequency Range (MHz) | System | Type of Modulation | Maximum ERP/EIRP (W) | Frequency Tolerance (ppm) | Emission Designator | |
|----------|-----------------------------|-------------------------------|--------------------|----------------------------|---------------------------|------------------------|--|
| Part 22 | 826.4 ~846.6 | WCDMA Band V RMC 12.2Kbps | QPSK | 0.1941 | 0.0179 ppm | 4M15F9W | |
| Part 24 | 1952 / 1007 6 | WCDMA Band II | QPSK | 0.3296 | 0.0049.ppm | 4M13F9W | |
| Pail 24 | 24 1852.4 ~1907.6 | RMC 12.2Kbps | QFSK | 0.3290 | 0.0048 ppm | 41VI I 3F9VV | |
| Part 27 | 1712.4 ~ 1752.6 | WCDMA Band IV RMC 12.2Kbps | QPSK | 0.2512 | 0.0202 ppm | 4M14F9W | |

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1.5 Testing Location

| Test Site | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory | | | |
|--------------------|---|--|--|--|
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978 | | | |
| Test Site No. | Sporton Site No. | | | |
| rest site No. | TH03-HY | | | |
| Test Engineer | Oscar Chi | | | |
| Temperature | 21-24℃ | | | |
| Relative Humidity | 51-55% | | | |

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| Test Site | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory | |
|--------------------|---|--|
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855 | |
| Test Site No. | Sporton Site No. | |
| rest site No. | 03CH13-HY | |
| Test Engineer | Daniel Lee, Jacky Hung and Wilson Wu | |
| Temperature | 23.2~24.6℃ | |
| Relative Humidity | 52.1~57.9% | |

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

FCC Designation No.: TW1190 and TW0007

1.6 Applicable Standards

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

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

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.
- 3. The TAF code is not including all the FCC KDB listed without accreditation.

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2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z, and Accessory. The worst cases (Y Plane for PCS Band; Z Plane for Cellular Band and AWS Band.) were recorded in this report. Radiated emissions were investigated as following frequency range:

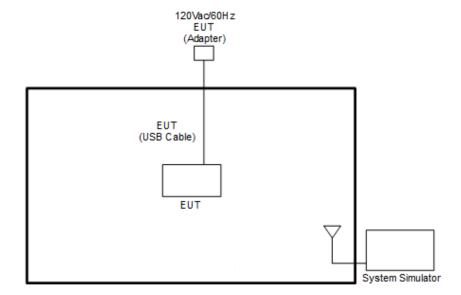
- 1. 30 MHz to 9000 MHz for WCDMA Band V
- 2. 30 MHz to 18000 MHz for WCDMA Band IV
- 3. 30 MHz to 19100 MHz for WCDMA Band II

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

| Test Modes | | | | | | |
|----------------------------------|---------------------|---------------------|--|--|--|--|
| Band | Radiated TCs | Conducted TCs | | | | |
| WCDMA Band V ■ RMC 12.2Kbps Link | | ■ RMC 12.2Kbps Link | | | | |
| WCDMA Band II | ■ RMC 12.2Kbps Link | ■ RMC 12.2Kbps Link | | | | |
| WCDMA Band IV | ■ RMC 12.2Kbps Link | ■ RMC 12.2Kbps Link | | | | |

2.2 Connection Diagram of Test System



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2.3 Support Unit used in test configuration

| | <u> </u> | | | | | |
|------|------------------|------------|-----------|--------|------------|-------------------|
| Item | Equipment | Brand Name | Model No. | FCC ID | Data Cable | Power Cord |
| 1. | System Simulator | Anritsu | MT8820C | N/A | N/A | Unshielded, 1.8 m |
| 2. | System Simulator | Anritsu | MT8821C | N/A | N/A | Unshielded, 1.8 m |

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2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.2 dB and a 10dB attenuator.

Example:

Offset(dB) = RF cable loss(dB) + attenuator factor(dB). = 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

| Frequency List | | | | | |
|----------------|------------------------|----------------|----------------|----------------|--|
| Band | Channel/Frequency(MHz) | Lowest | Middle | Highest | |
| WCDMA | Channel | 4132 | 4182 | 4233 | |
| Band V | Frequency | 826.4 | 836.4 | 846.6 | |
| WCDMA | Channel | 9262 | 9400 | 9538 | |
| | | | | | |
| Band II | Frequency | 1852.4 | 1880.0 | 1907.6 | |
| Band II WCDMA | Frequency Channel | 1852.4 1312 | 1880.0 1413 | 1907.6 1513 | |

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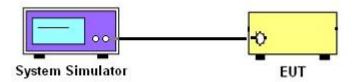
3 Conducted Test Result

3.1 Measuring Instruments

See list of measuring instruments of this test report.

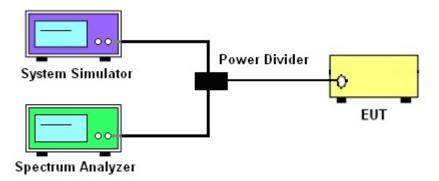
3.1.1 Test Setup

3.1.2 Conducted Output Power

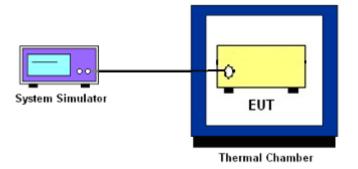


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3.1.3 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

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3.2 Conducted Output Power and ERP/EIRP

3.2.1 Description of the Conducted Output Power and ERP/EIRP

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

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The ERP of mobile transmitters must not exceed 7 Watts for WCDMA Band V

The EIRP of mobile transmitters must not exceed 2 Watts for WCDMA Band II

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV

According to KDB 412172 D01 Power Approach,

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

 P_T = transmitter output power in dBm

 G_T = gain of the transmitting antenna in dBi

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

3.2.2 Test Procedures

- 1. The transmitter output port was connected to the system simulator.
- 2. Set EUT at maximum power through system simulator.
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

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3.3 Peak-to-Average Ratio

3.3.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

- 1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- 2. Set EUT to transmit at maximum output power.
- 3. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.

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- 4. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.
- 5. Record the maximum PAPR level associated with a probability of 0.1%.

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3.4 99% Occupied Bandwidth and 26dB Bandwidth Measurement 3.4.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement

The occupied bandwidth is 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 transmitted power.

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The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

- 1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.
 The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
- 3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- 4. Set the detection mode to peak, and the trace mode to max hold.
- Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
- 6. Determine the "-26 dB down amplitude" as equal to (Reference Value X).
- 7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the "–X dB down amplitude" determined in step 6. If a marker is below this "-X dB down amplitude" value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- 8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

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3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

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

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3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

- 1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
- 2. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. The band edges of low and high channels for the highest RF powers were measured.
- 4. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 5. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

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3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

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It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

- 1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
- 2. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. The middle channel for the highest RF power within the transmitting frequency was measured.
- 4. The conducted spurious emission for the whole frequency range was taken.
- 5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 6. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

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3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

22.355

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

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24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

- 1. The EUT was set up in the thermal chamber and connected with the system simulator.
- With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
- 3. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

- 1. The EUT was placed in a temperature chamber at 20±5° C and connected with the system simulator.
- 2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
- 3. The variation in frequency was measured for the worst case.

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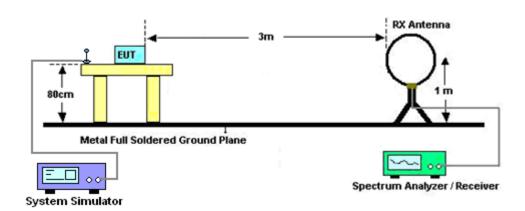
4 Radiated Test Items

4.1 Measuring Instruments

See list of measuring instruments of this test report.

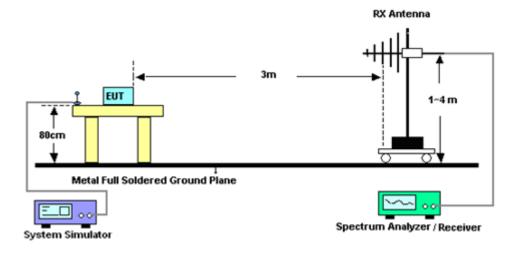
4.2 Test Setup

For radiated emissions below 30MHz



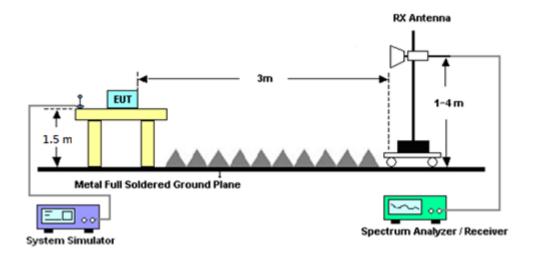
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For radiated test from 30MHz to 1GHz



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For radiated test above 1GHz



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4.3 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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

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

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4.4 Field Strength of Spurious Radiation Measurement

4.4.1 Description of Field Strength of Spurious Radiated Measurement

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.

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4.4.2 Test Procedures

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

- 1. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz above the ground.
- 2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
- 4. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
- 5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
- 6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
- 7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
- 8. Taking the record of output power at antenna port.
- 9. Repeat step 7 to step 8 for another polarization.
- 10. EIRP (dBm) = S.G. Power Tx Cable Loss + Tx Antenna Gain
- 11. ERP (dBm) = EIRP 2.15
- 12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- 13. The limit line is derived from 43 + 10log(P) dB below the transmitter power P(Watts)

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5 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-------------------------|-----------------------|-------------------------------------|-----------------|----------------------------|---------------------|---------------------------------|---------------|--------------------------|
| Bilog Antenna | TESEQ | CBL 6111D&00800 N1D01N-06 | 40103&07 | 30MHz to 1GHz | Apr. 29, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Apr. 28, 2021 | Radiation (03CH13-HY) |
| Bilog Antenna | TESEQ | CBL 6111D&00800 N1D01N-06 | 41912 & 07 | 30MHz to 1GHz | Apr. 29, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Apr. 28, 2021 | Radiation (03CH13-HY) |
| Horn Antenna | SCHWARZBE CK | BBHA 9120 D | 9120D-1522 | 1GHz ~ 18GHz | Sep. 19, 2019 | Aug. 13, 2020~ Sep. 07, 2020 | Sep. 18, 2020 | Radiation (03CH13-HY) |
| SHF-EHF Horn Antenna | SCHWARZBE CK | BBHA 9170 | BBHA917058 4 | 18GHz- 40GHz | Dec. 10, 2019 | Aug. 13, 2020~ Sep. 07, 2020 | Dec. 09, 2020 | Radiation (03CH13-HY) |
| Amplifier | Sonoma-Instru ment | 310 N | 187282 | 9KHz~1GHz | Dec. 17, 2019 | Aug. 13, 2020~ Sep. 07, 2020 | Dec. 16, 2020 | Radiation (03CH13-HY) |
| Preamplifier | MITEQ | AMF-7D-0010 1800-30-10P | 1590074 | 1GHz~18GHz | May 19, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | May 18, 2021 | Radiation (03CH13-HY) |
| Preamplifier | Keysight | 83017A | MY53270147 | 1GHz~26.5GHz | Oct. 28, 2019 | Aug. 13, 2020~ Sep. 07, 2020 | Oct. 27, 2020 | Radiation (03CH13-HY) |
| Preamplifier | EMEC | EM18G40G | 060715 | 18GHz ~ 40GHz | Dec. 13, 2019 | Aug. 13, 2020~ Sep. 07, 2020 | Dec. 12, 2020 | Radiation (03CH13-HY) |
| Signal Generator | Anritsu | MG3694C | 163401 | 0.1Hz~40GHz | Feb. 15, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Feb. 14, 2021 | Radiation (03CH13-HY) |
| Spectrum Analyzer | Keysight | N9010A | MY55370526 | 10Hz~44GHz | Mar. 20, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Mar. 19, 2021 | Radiation (03CH13-HY) |
| Antenna Mast | EMEC | AM-BS-4500-B | N/A | 1m~4m | N/A | Aug. 13, 2020~ Sep. 07, 2020 | N/A | Radiation (03CH13-HY) |
| Turn Table | EMEC | TT2000 | N/A | 0~360 Degree | N/A | Aug. 13, 2020~ Sep. 07, 2020 | N/A | Radiation (03CH13-HY) |
| Software | Audix | E3 6.2009-8-24 | RK-000992 | N/A | N/A | Aug. 13, 2020~ Sep. 07, 2020 | N/A | Radiation (03CH13-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 126E | 0030/126E | 30M-18G | Feb. 12, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Feb. 21, 2021 | Radiation (03CH13-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | 804793/4 | 30M-18G | Feb. 12, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Feb. 21, 2021 | Radiation (03CH13-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 505134/2 | 30M~40GHz | Feb. 25, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Feb. 24, 2021 | Radiation (03CH13-HY) |
| Filter | Wainwright | WHKX12-1080 -1200-15000-6 0SS | SN3 | 1.2GHz High Pass Filter | Jul. 09, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Jul. 09, 2021 | Radiation (03CH13-HY) |
| Filter | Wainwright | WHKX12-2700 -3000-18000-6 0SS | SN2 | 3GHz High Pass Filter | Jul. 13, 2020 | Aug. 13, 2020~ Sep. 07, 2020 | Jul. 12, 2021 | Radiation (03CH13-HY) |

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| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|------------------------------|--------------------|-----------------------|------------|---------------------------------|---------------------|---------------|---------------|------------------------|
| Spectrum Analyzer | Rohde & Schwarz | FSP30 | 101329 | 9kHz~30GHz | Sep. 04, 2019 | Aug. 27, 2020 | Sep. 03, 2020 | Conducted (TH03-HY) |
| Temperature Chamber | ESPEC | SU-641 | 92013721 | -30°C ~70°C | Nov. 26, 2019 | Aug. 27, 2020 | Nov. 25, 2020 | Conducted (TH03-HY) |
| Programmable Power Supply | GW Instek | PSS-2005 | EL890001 | 1V~20V 0.5A~4A | Oct. 09, 2019 | Aug. 27, 2020 | Oct. 08, 2020 | Conducted (TH03-HY) |
| Base Station (Measure) | Rohde & Schwarz | CMU200 | 117997 | GSM / GPRS / WCDMA / CDMA | Sep. 09, 2019 | Aug. 27, 2020 | Sep. 08, 2020 | Conducted (TH03-HY) |
| Power Divider | Warison | WCOU-0.4-26. 5S-20 | #A | N/A | Nov. 06, 2019 | Aug. 27, 2020 | Nov. 05, 2020 | Conducted (TH03-HY) |

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6 Uncertainty of Evaluation

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

| Measuring Uncertainty for a Level of | 3.10 |
|--------------------------------------|------|
| Confidence of 95% (U = 2Uc(y)) | 3.10 |

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

| Measuring Uncertainty for a Level of | 3.12 |
|--------------------------------------|------|
| Confidence of 95% (U = 2Uc(y)) | |

<u>Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)</u>

| Measuring Uncertainty for a Level of | 2 77 |
|--------------------------------------|------|
| Confidence of 95% (U = 2Uc(y)) | 3.77 |

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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

| | Conducted Power (*Unit: dBm) | | | | | |
|------------------------|------------------------------|-----------|-------|---------------|-------|--------|
| Band | ٧ | CDMA Band | V | WCDMA Band II | | |
| Channel | 4132 | 4182 | 4233 | 9262 | 9400 | 9538 |
| Frequency | 826.4 | 836.4 | 846.6 | 1852.4 | 1880 | 1907.6 |
| RMC 12.2K | 24.65 | 24.40 | 24.09 | 24.51 | 24.60 | 24.55 |
| HSDPA Subtest-1 | 23.63 | 23.41 | 23.07 | 23.61 | 23.59 | 23.60 |
| HSDPA Subtest-2 | 23.71 | 23.40 | 23.03 | 23.67 | 23.64 | 23.60 |
| HSDPA Subtest-3 | 23.19 | 22.96 | 22.71 | 23.16 | 23.13 | 23.03 |
| HSDPA Subtest-4 | 23.19 | 22.99 | 22.63 | 23.15 | 23.16 | 23.07 |
| HSUPA Subtest-1 | 21.04 | 20.93 | 21.76 | 22.57 | 22.56 | 22.57 |
| HSUPA Subtest-2 | 22.25 | 21.78 | 22.30 | 21.29 | 22.46 | 22.47 |
| HSUPA Subtest-3 | 22.29 | 22.39 | 22.11 | 22.07 | 22.56 | 22.46 |
| HSUPA Subtest-4 | 22.45 | 22.46 | 22.47 | 22.40 | 22.41 | 22.43 |
| HSUPA Subtest-5 | 23.76 | 23.55 | 23.25 | 23.66 | 23.85 | 23.81 |

| | Conducted | Power (*Unit: dBm) | | | | |
|-----------------|-----------|--------------------|--------|--|--|--|
| Band | | WCDMA Band IV | | | | |
| Channel | 1312 | 1413 | 1513 | | | |
| Frequency | 1712.4 | 1732.6 | 1752.6 | | | |
| RMC 12.2K | 21.75 | 21.61 | 21.45 | | | |
| HSDPA Subtest-1 | 20.82 | 20.61 | 20.43 | | | |
| HSDPA Subtest-2 | 20.84 | 20.65 | 20.45 | | | |
| HSDPA Subtest-3 | 20.20 | 20.11 | 19.93 | | | |
| HSDPA Subtest-4 | 20.16 | 20.11 | 19.91 | | | |
| HSUPA Subtest-1 | 20.69 | 20.51 | 20.36 | | | |
| HSUPA Subtest-2 | 18.54 | 18.87 | 18.66 | | | |
| HSUPA Subtest-3 | 20.33 | 20.16 | 19.46 | | | |
| HSUPA Subtest-4 | 19.90 | 18.70 | 18.49 | | | |
| HSUPA Subtest-5 | 20.85 | 20.65 | 20.47 | | | |

A2. WCDMA

Peak-to-Average Ratio

| Mode | WCDMA Band V | WCDMA Band II | WCDMA Band IV | Limit: 13dB |
|------------|--------------|---------------|---------------|-------------|
| Mod. | RMC 12.2Kbps | RMC 12.2Kbps | RMC 12.2Kbps | Result |
| Lowest CH | 3.24 | 3.16 | 3.00 | |
| Middle CH | 3.28 | 3.24 | 3.16 | PASS |
| Highest CH | 3.36 | 3.12 | 3.12 | |

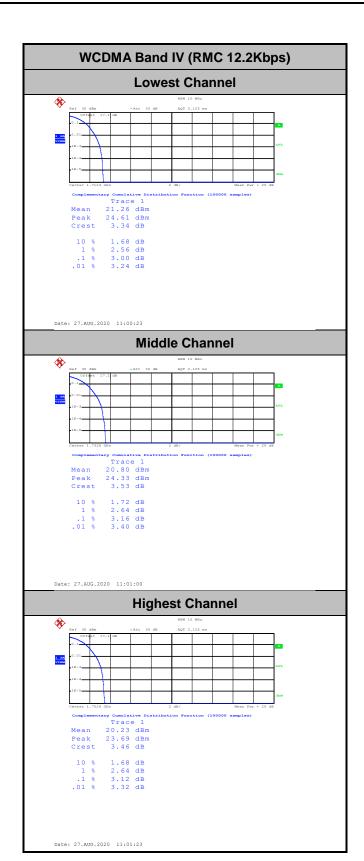
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WCDMA Band V (RMC 12.2Kbps) WCDMA Band II (RMC 12.2Kbps) **Lowest Channel Lowest Channel %** * Trace 1
23.36 dBm
27.01 dBm
3.64 dB Peak Crest 1.80 dB 2.72 dB 3.24 dB 3.44 dB Date: 27.AUG.2020 11:19:56 **Middle Channel Middle Channel** * * Trace 1 22.40 dBm 26.02 dBm 3.62 dB Trace 1 23.19 dBm 26.94 dBm 3.74 dB Mean Peak Crest 10 % 1 % .1 % 1.84 dB 2.80 dB 3.28 dB 3.56 dB Date: 27.AUG.2020 10:44:58 **Highest Channel Highest Channel** * * Trace 1 22.76 dBm 26.44 dBm 3.69 dB Trace 1
Mean 22.80 dBm
Peak 26.23 dBm
Crest 3.43 dB 1.84 dB 2.84 dB 3.36 dB 3.56 dB Date: 27.AUG.2020 10:45:16 Date: 27.AUG.2020 11:20:33

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26dB Bandwidth

| Mode | WCDMA Band V 26dB BW(MHz) | WCDMA Band II 26dB BW(MHz) | WCDMA Band IV 26dB BW(MHz) |
|------------|------------------------------|-------------------------------|-------------------------------|
| Mod. | RMC 12.2Kbps | RMC 12.2Kbps | RMC 12.2Kbps |
| Lowest CH | 4.71 | 4.70 | 4.71 |
| Middle CH | 4.68 | 4.72 | 4.70 |
| Highest CH | 4.70 | 4.69 | 4.70 |

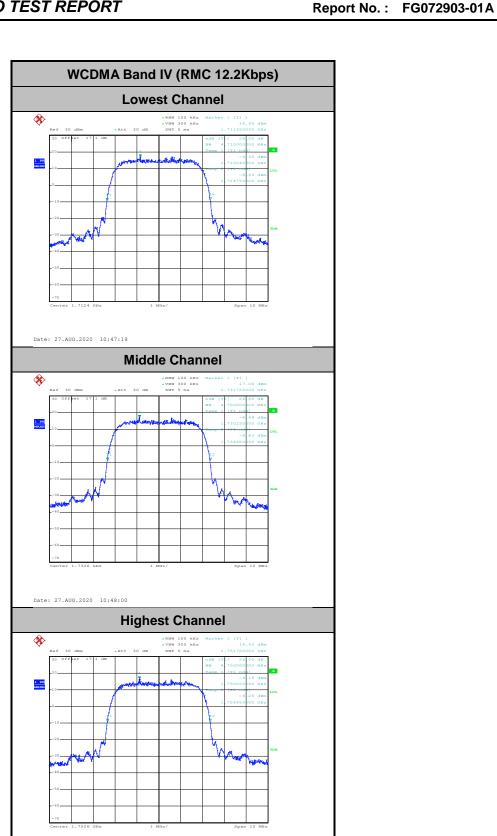
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WCDMA Band V (RMC 12.2Kbps) WCDMA Band II (RMC 12.2Kbps) **Lowest Channel Lowest Channel** * Date: 27.AUG.2020 11:06:05 **Middle Channel Middle Channel** Date: 27.AUG.2020 10:29:14 **Highest Channel Highest Channel** * Date: 27.AUG.2020 10:30:08

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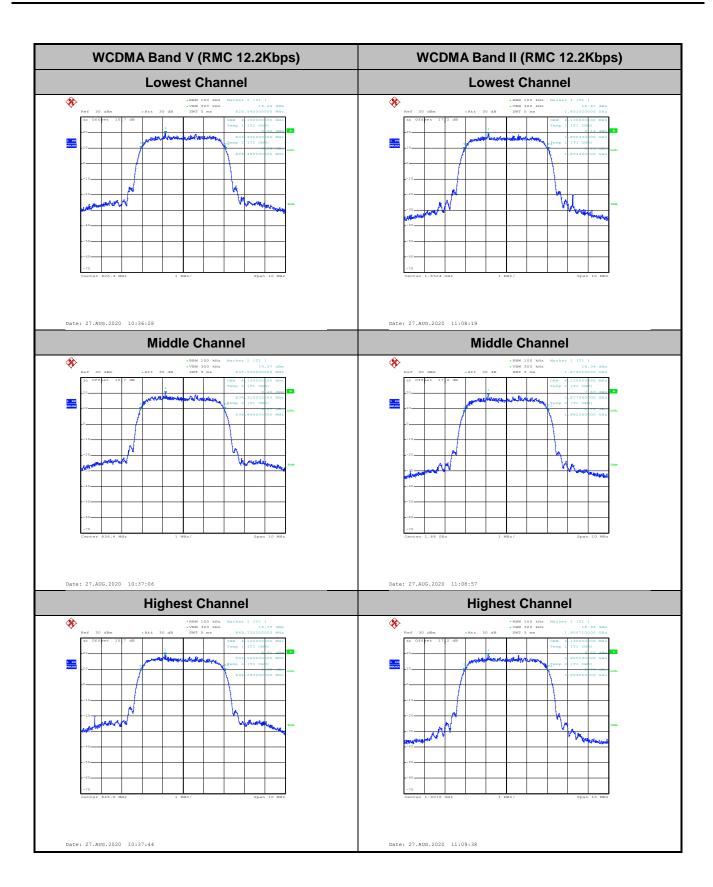
Date: 27.AUG.2020 10:48:40

Occupied Bandwidth

| Mode | WCDMA Band V 99% OBW(MHz) | WCDMA Band II 99% OBW(MHz) | WCDMA Band IV 99% OBW(MHz) |
|------------|------------------------------|-------------------------------|-------------------------------|
| Mod. | RMC 12.2Kbps | RMC 12.2Kbps | RMC 12.2Kbps |
| Lowest CH | 4.15 | 4.13 | 4.13 |
| Middle CH | 4.13 | 4.12 | 4.12 |
| Highest CH | 4.12 | 4.13 | 4.14 |

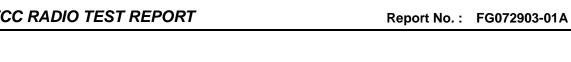
Report No.: FG072903-01A

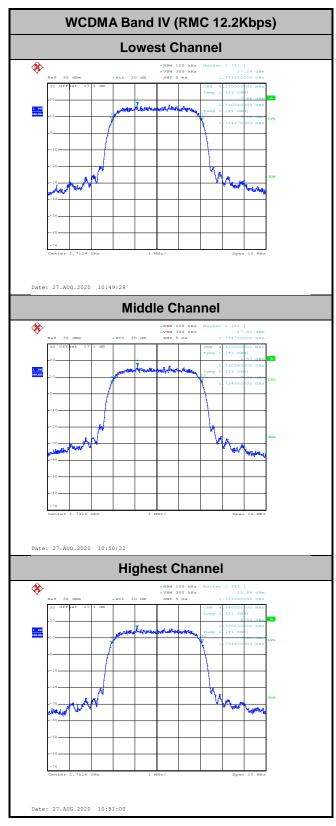
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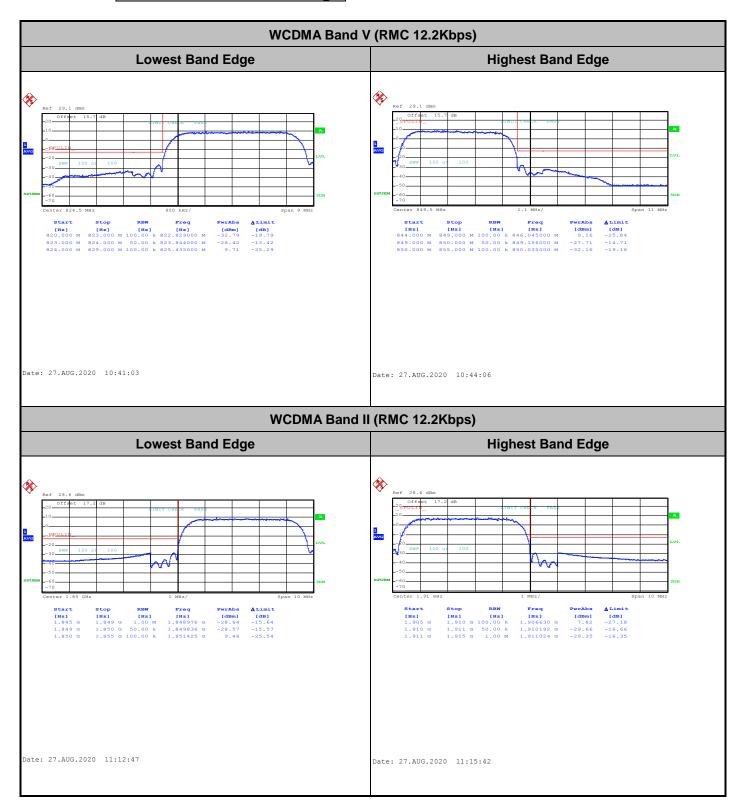
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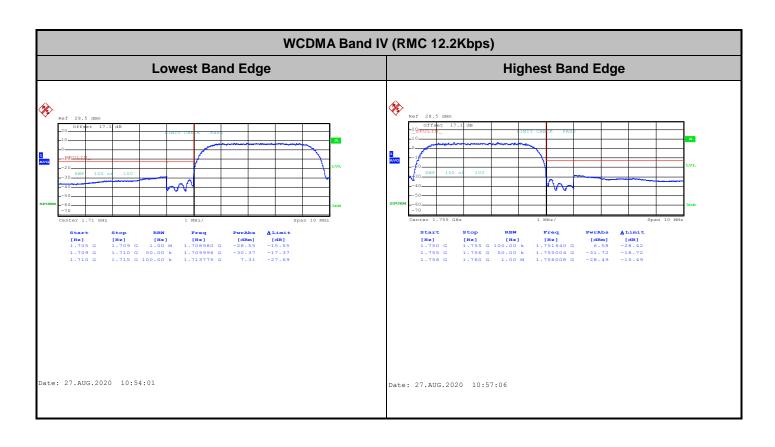
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Conducted Band Edge



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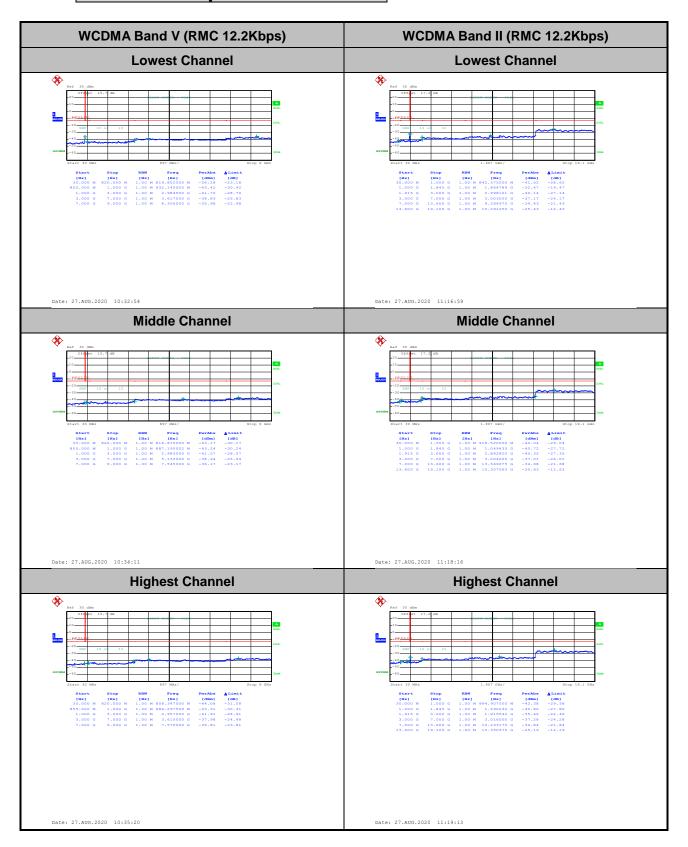
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Conducted Spurious Emission



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Frequency Stability

| Test Conditions | Middle Channel | WCDMA Band V RMC 12.2Kbps) | Limit 2.5ppm |
|------------------|-------------------|-------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0024 | |
| 40 | Normal Voltage | 0.0000 | |
| 30 | Normal Voltage | 0.0012 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0132 | |
| 0 | Normal Voltage | 0.0179 | |
| -10 | Normal Voltage | 0.0167 | PASS |
| -20 | Normal Voltage | 0.0155 | |
| -30 | Normal Voltage | 0.0155 | |
| 20 | Maximum Voltage | 0.0012 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0024 |] |

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| Test Conditions | Middle Channel | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0005 | |
| 40 | Normal Voltage | 0.0000 | |
| 30 | Normal Voltage | 0.0005 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0027 | |
| 0 | Normal Voltage | 0.0048 | |
| -10 | Normal Voltage | 0.0043 | PASS |
| -20 | Normal Voltage | 0.0027 | |
| -30 | Normal Voltage | 0.0037 | |
| 20 | Maximum Voltage | 0.0005 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0016 | |

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| Test Conditions | Middle Channel | WCDMA Band IV (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0202 | |
| 40 | Normal Voltage | 0.0127 | |
| 30 | Normal Voltage | 0.0069 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0069 | |
| 0 | Normal Voltage | 0.0098 | |
| -10 | Normal Voltage | 0.0098 | PASS |
| -20 | Normal Voltage | 0.0063 | |
| -30 | Normal Voltage | 0.0058 | |
| 20 | Maximum Voltage | 0.0087 | |
| 20 | Normal Voltage | 0.0081 | |
| 20 | Battery End Point | 0.0173 | |

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Note:

- 1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V.; Maximum Voltage =4.4 V
- 2. The frequency fundamental emissions stay within the authorized frequency block.

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Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

| Channel | Mode | Cond | ucted | ERP | | |
|----------|---------------------|-------------|---------------|----------|--------|--|
| Chamilei | Wiode | Power (dBm) | Power (Watts) | ERP(dBm) | ERP(W) | |
| Lowest | WCDMA Band V | 24.65 | 0.2917 | 22.88 | 0.1941 | |
| Middle | RMC 12.2Kbps | 24.40 | 0.2754 | 22.63 | 0.1832 | |
| Highest | (GT - LC = 0.38 dB) | 24.09 | 0.2564 | 22.32 | 0.1706 | |
| Limit | ERP < 7W | Re | sult | PASS | | |

| Channel | Channel Mode | | ucted | EIRP | | |
|----------|---------------------|-------------|---------------|-----------|---------|--|
| Chamilei | Wiode | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) | |
| Lowest | WCDMA Band II | 24.51 | 0.2825 | 25.09 | 0.3228 | |
| Middle | RMC 12.2Kbps | 24.60 | 0.2884 | 25.18 | 0.3296 | |
| Highest | (GT - LC = 0.58 dB) | 24.55 | 0.2851 | 25.13 | 0.3258 | |
| Limit | EIRP < 2W | Re | sult | PASS | | |

| Channel | Mode | Cond | ucted | EIRP | | |
|----------|---------------------|-------------|---------------|-----------|---------|--|
| Chamilei | Wiode | Power (dBm) | Power (Watts) | EIRP(dBm) | EIRP(W) | |
| Lowest | WCDMA Band IV | 21.75 | 0.1496 | 24.00 | 0.2512 | |
| Middle | RMC 12.2Kbps | 21.61 | 0.1449 | 23.86 | 0.2432 | |
| Highest | (GT - LC = 2.25 dB) | 21.45 | 0.1396 | 23.70 | 0.2344 | |
| Limit | EIRP < 1W | Re | sult | PASS | | |

Radiated Spurious Emission

WCDMA 850

Report No. : FG072903-01A

| | | | | GPR | S 850 | | | | |
|---------------|----------------------|--------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Over Limit (dB) | SPA Reading (dBm) | S.G. Power (dBm) | TX Cable loss (dB) | TX Antenna Gain (dBi) | Polarization (H/V) |
| | 1656 | -59.87 | -13 | -46.87 | -72.83 | -65.28 | 1.23 | 8.79 | Н |
| | 2484 | -58.94 | -13 | -45.94 | -75.62 | -65.84 | 1.44 | 10.49 | Н |
| | 3312 | -57.72 | -13 | -44.72 | -76.17 | -65.69 | 1.72 | 11.84 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| Lowest | | | | | | | | | Н |
| Lowest | 1656 | -56.82 | -13 | -43.82 | -69.65 | -62.23 | 1.23 | 8.79 | V |
| | 2484 | -58.31 | -13 | -45.31 | -75.23 | -65.21 | 1.44 | 10.49 | V |
| | 3312 | -56.15 | -13 | -43.15 | -75.04 | -64.12 | 1.72 | 11.84 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | 1672 | -61.30 | -13 | -48.30 | -74.31 | -66.77 | 1.24 | 8.85 | Н |
| | 2508 | -58.89 | -13 | -45.89 | -75.52 | -65.81 | 1.44 | 10.51 | Н |
| | 3344 | -57.65 | -13 | -44.65 | -75.89 | -65.69 | 1.74 | 11.93 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| N 4: el ell e | | | | | | | | | Н |
| Middle | 1672 | -60.65 | -13 | -47.65 | -73.55 | -66.12 | 1.24 | 8.85 | V |
| | 2508 | -58.84 | -13 | -45.84 | -75.67 | -65.76 | 1.44 | 10.51 | V |
| | 3344 | -56.75 | -13 | -43.75 | -75.52 | -64.79 | 1.74 | 11.93 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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| | 1688 | -61.03 | -13 | -48.03 | -74.08 | -66.55 | 1.24 | 8.91 | Н |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| | 2532 | -59.12 | -13 | -46.12 | -75.79 | -66.05 | 1.44 | 10.53 | Н |
| | 3376 | -57.67 | -13 | -44.67 | -75.71 | -65.78 | 1.77 | 12.03 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| Highest | 1688 | -59.48 | -13 | -46.48 | -72.43 | -65.00 | 1.24 | 8.91 | V |
| | 2532 | -58.60 | -13 | -45.60 | -75.48 | -65.53 | 1.44 | 10.53 | V |
| | 3376 | -57.35 | -13 | -44.35 | -76 | -65.46 | 1.77 | 12.03 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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

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WCDMA 1900

Report No. : FG072903-01A

| | | | | WCDI | ИА 1900 | | | | |
|------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| 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) |
| | 3700 | -53.16 | -13 | -40.16 | -73.76 | -63.47 | 1.97 | 12.28 | Н |
| | 5555 | -53.40 | -13 | -40.40 | -76.96 | -63.53 | 2.14 | 12.28 | Н |
| | 7410 | -47.89 | -13 | -34.89 | -76.1 | -55.88 | 2.17 | 10.16 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| Lowest | | | | | | | | | Н |
| Lowest | 3700 | -55.38 | -13 | -42.38 | -76.5 | -65.69 | 1.97 | 12.28 | V |
| | 5555 | -52.70 | -13 | -39.70 | -76.88 | -62.83 | 2.14 | 12.28 | V |
| | 7410 | -48.27 | -13 | -35.27 | -76.44 | -56.26 | 2.17 | 10.16 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | 3756 | -51.57 | -13 | -38.57 | -72.3 | -61.81 | 2.00 | 12.25 | Н |
| | 5646 | -53.42 | -13 | -40.42 | -77.1 | -63.70 | 2.12 | 12.40 | Н |
| | 7515 | -48.38 | -13 | -35.38 | -76.26 | -56.32 | 2.11 | 10.05 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| N 41 all a | | | | | | | | | Н |
| Middle | 3756 | -55.31 | -13 | -42.31 | -76.54 | -65.55 | 2.00 | 12.25 | V |
| | 5646 | -52.63 | -13 | -39.63 | -76.93 | -62.91 | 2.12 | 12.40 | V |
| | 7515 | -48.44 | -13 | -35.44 | -76.2 | -56.38 | 2.11 | 10.05 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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| | 3819 | -52.79 | -13 | -39.79 | -73.66 | -62.96 | 2.04 | 12.21 | Н |
|---------|------|--------|-----|--------|--------|--------|------|-------|---|
| | 5723 | -52.39 | -13 | -39.39 | -76.45 | -62.80 | 2.10 | 12.51 | Н |
| | 7634 | -48.50 | -13 | -35.50 | -75.81 | -56.87 | 2.11 | 10.48 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| Liabaat | | | | | | | | | Н |
| Highest | 3819 | -54.89 | -13 | -41.89 | -76.23 | -65.06 | 2.04 | 12.21 | V |
| | 5723 | -52.14 | -13 | -39.14 | -76.76 | -62.55 | 2.10 | 12.51 | V |
| | 7634 | -48.43 | -13 | -35.43 | -75.78 | -56.80 | 2.11 | 10.48 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Report No. : FG072903-01A

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

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WCDMA 1700

Report No. : FG072903-01A

| | | | | WCDI | MA 1700 | | | | |
|---------------|----------------------|---------------|------------------|-------------------------|-------------------------|--------------------------|----------------------|-----------------------------|-----------------------|
| 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) |
| | 3427 | -57.43 | -13 | -44.43 | -76.46 | -67.80 | 1.81 | 12.18 | Н |
| | 5141 | -53.58 | -13 | -40.58 | -77.08 | -63.41 | 2.30 | 12.13 | Н |
| | 6854 | -50.70 | -13 | -37.70 | -77.02 | -59.38 | 2.37 | 11.05 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| Lowest | | | | | | | | | Н |
| Lowest | 3427 | -55.41 | -13 | -42.41 | -75.06 | -65.78 | 1.81 | 12.18 | V |
| | 5141 | -53.12 | -13 | -40.12 | -77.19 | -62.95 | 2.30 | 12.13 | V |
| | 6854 | -49.78 | -13 | -36.78 | -76.66 | -58.46 | 2.37 | 11.05 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | 3462 | -57.20 | -13 | -44.20 | -76.58 | -67.65 | 1.84 | 12.29 | Н |
| | 5198 | -53.87 | -13 | -40.87 | -77.43 | -63.73 | 2.28 | 12.14 | Н |
| | 6927 | -49.94 | -13 | -36.94 | -76.45 | -58.52 | 2.40 | 10.97 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| N 4: al all a | | | | | | | | | Н |
| Middle | 3462 | -56.19 | -13 | -43.19 | -76.1 | -66.64 | 1.84 | 12.29 | V |
| | 5198 | -53.20 | -13 | -40.20 | -77.31 | -63.06 | 2.28 | 12.14 | V |
| | 6927 | -49.62 | -13 | -36.62 | -76.74 | -58.20 | 2.40 | 10.97 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

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| | 3504 | -57.13 | -13 | -44.13 | -76.9 | -67.66 | 1.87 | 12.40 | Н |
|------------|------|--------|-----|--------|--------|--------|------|-------|---|
| | 5256 | -53.90 | -13 | -40.90 | -77.49 | -63.80 | 2.26 | 12.15 | Н |
| | 7008 | -49.41 | -13 | -36.41 | -76.16 | -57.88 | 2.42 | 10.89 | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| | | | | | | | | | Н |
| I.P. Level | | | | | | | | | Н |
| Highest | 3504 | -54.27 | -13 | -41.27 | -74.49 | -64.80 | 1.87 | 12.40 | V |
| | 5256 | -53.16 | -13 | -40.16 | -77.28 | -63.06 | 2.26 | 12.15 | V |
| | 7008 | -48.55 | -13 | -35.55 | -75.96 | -57.02 | 2.42 | 10.89 | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |
| | | | | | | | | | V |

Report No. : FG072903-01A

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

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