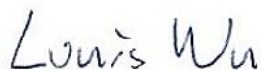


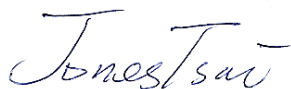
FCC Test Report

APPLICANT : CT Asia
EQUIPMENT : Mobile Phone
BRAND NAME : BLU
MODEL NAME : Life Pure XL
FCC ID : YHLBLUPUREXL
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Mar. 18, 2014 and testing was completed on Apr. 05, 2014. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown to be compliant with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.



Reviewed by: Louis Wu / Manager

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C.

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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|------------|---------|-------------------------|---------------|
| FC431805 | Rev. 01 | Initial issue of report | Apr. 28, 2014 |
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SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|----------------|----------|-----------------------|-----------------|--------|--|
| 3.1 | 15.107 | AC Conducted Emission | < 15.107 limits | PASS | Under limit 4.43 dB at 0.490 MHz |
| 3.2 | 15.109 | Radiated Emission | < 15.109 limits | PASS | Under limit 0.43 dB at 240.060 MHz for Quasi-Peak |

1. General Description

1.1. Applicant

CT Asia

Unit 01, 15/F, Seaview Centre, 139-141 Hoi bun road, Kwun Tong, Kowloon, Hongkong

1.2. Manufacturer

Gionee Communication Equipment Co., Ltd.

21/F, Times Technology Building, No. 7028, Shennan Avenue, Futian District, Shenzhen, China

1.3. Feature of Equipment Under Test

| Product Feature | |
|---------------------------------|---|
| Equipment | Mobile Phone |
| Brand Name | BLU |
| Model Name | Life Pure XL |
| FCC ID | YHLBLUPUREXL |
| EUT supports Radios application | GSM/GPRS/EGPRS/WCDMA/HSPA /NFC WLAN 2.4GHz 802.11b/g/n HT20/n HT40/ Bluetooth v3.0+EDR/ Bluetooth v4.0 LE |
| HW Version | E7_0101_V5006 |
| SW Version | E7_Mainboard_P1.1 |
| EUT Stage | Identical Prototype |

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4. Product Specification of Equipment Under Test

| Product Specification subjective to this standard | |
|---|--|
| Tx Frequency | GSM850 : 824.2 MHz ~ 848.8 MHz GSM1900 : 1850.2 MHz ~ 1909.8MHz WCDMA Band V : 826.4 MHz ~ 846.6 MHz WCDMA Band II : 1852.4 MHz ~ 1907.6 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC : 13.56 MHz |
| Rx Frequency | GSM850 : 869.2 MHz ~ 893.8 MHz GSM1900 : 1930.2 MHz ~ 1989.8 MHz WCDMA Band V : 871.4 MHz ~ 891.6 MHz WCDMA Band II : 1932.4 MHz ~ 1987.6 MHz 802.11b/g/n: 2412 MHz ~ 2462 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS : 1.57542 GHz NFC : 13.56 MHz |
| Antenna Type | WWAN : Fixed Internal Antenna WLAN : PIFA Antenna Bluetooth : PIFA Antenna NFC : FPC Antenna GPS : PIFA Antenna |
| Type of Modulation | GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth v4.0 LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK NFC: ASK GPS : BPSK |

1.5. Modification of EUT

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

1.6. Test Site

| | | | |
|--------------------|--|-----------|----------------------|
| Test Site | SPORTON INTERNATIONAL (SHENZHEN) INC. | | |
| Test Site Location | No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C. TEL: +86-755- 3320-2398 | | |
| Test Site No. | Sporton Site No. | | FCC Registration No. |
| | CO01-SZ | 03CH01-SZ | 831040 |

1.7. Applied Standards

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

- ♦ FCC 47 CFR FCC Part 15 Subpart B
- ♦ ANSI C63.4-2003

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

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

| Item | EUT Configuration | Test Condition | | |
|------|--|----------------|-----------|-----------|
| | | EMI AC | EMI RE<1G | EMI RE≥1G |
| 1. | Charging Mode (EUT with adapter) | ☒ | ☒ | Note 1 |
| 2. | Data application transferred mode (EUT connected with notebook) | ☒ | ☒ | ☒ |

Abbreviations:

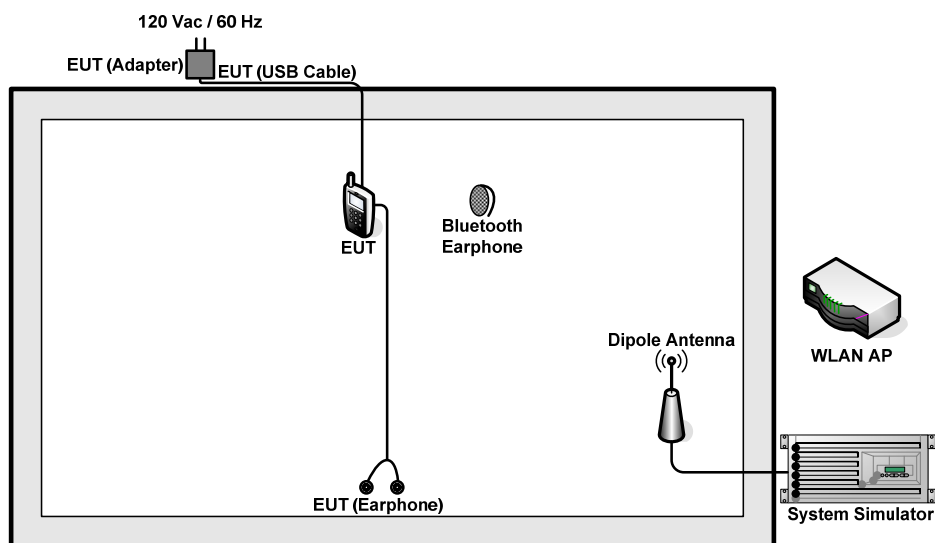
- EMI AC: AC conducted emissions
- EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz
- EMI RE < 1G: EUT radiated emissions < 1GHz

Note 1: Testing for this mode is not required or not the worst case.

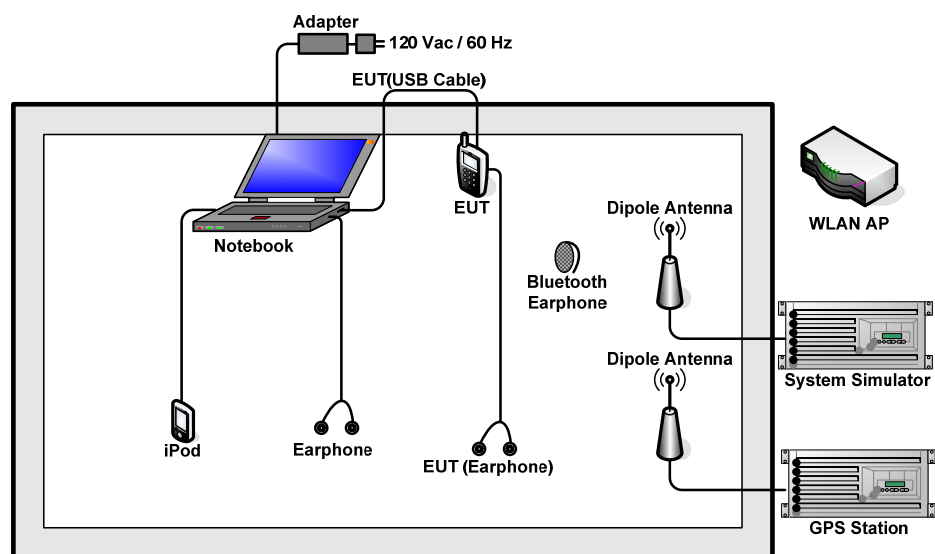
Remark: For signal above 1GHz, the worst case was test item 2.

| Test Items | EUT Configure Mode | Function Type |
|--|--------------------|--|
| AC Conducted Emission | 1/2 | Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera<Fig.1> Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle+ USB Cable (Charging from Adapter) + Earphone + MPEG4<Fig.1> Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle+ USB Cable (Charging from Adapter) + Earphone + NFC on <Fig.1> Mode 4: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx<Fig.2> |
| Radiated Emissions < 1GHz | 1/2 | Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera<Fig.1> Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle+ USB Cable (Charging from Adapter) + Earphone + MPEG4<Fig.1> Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle+ USB Cable (Charging from Adapter) + Earphone + NFC on <Fig.1> Mode 4: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx<Fig.2> |
| Radiated Emissions ≥ 1GHz | 2 | Mode 1: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx<Fig.2> |
| Remark: <ol style="list-style-type: none"> The worst case of AC is mode 3, and the USB Link mode of AC is mode 4, the test data of these modes are reported. The worst case of RE < 1G is mode 4; only the test data of this mode is reported. Link with Notebook means data application transferred mode between EUT and Notebook. | | |

2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>

2.3. Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|--------------------|------------|------------|-------------|------------------|--|
| 1. | System Simulator | R&S | CMW 500 | N/A | N/A | Unshielded, 1.8 m |
| 2. | WLAN AP | D-Link | DIR-628 | KA2DIR628A2 | N/A | Unshielded, 1.8m |
| 3. | GPS Station | ADIVIC | MP9000 | N/A | N/A | Unshielded, 1.8 m |
| 4. | Bluetooth Earphone | Lenovo | LBH301 | FCC DoC | N/A | N/A |
| 5. | Notebook | Lenovo | G480 | PRC4 | N/A | AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m |
| 6. | Bluetooth Earphone | Nokia | BH-108 | PYAHS-107W | N/A | N/A |
| 7. | iPod | Apple | MC690 ZP/A | FCC DoC | Shielded, 1.2m | N/A |
| 8. | Earphone | Apple | MC690 ZP/A | FCC DoC | Unshielded, 1.6m | N/A |

2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA idle mode during the testing. The EUT was synchronized to the BCCH, and was in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

1. Execute the program, "Winthrax" under WIN7 installed in notebook for files transfer with EUT via USB cable.
2. Execute "Video player" to play MPEG4 files.
3. Turn on camera to capture images.
4. Turn on GPS function to make the EUT receive continuous signals from GPS station.
5. Turn on NFC function.

3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dBuV) | |
|--------------------------------|------------------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

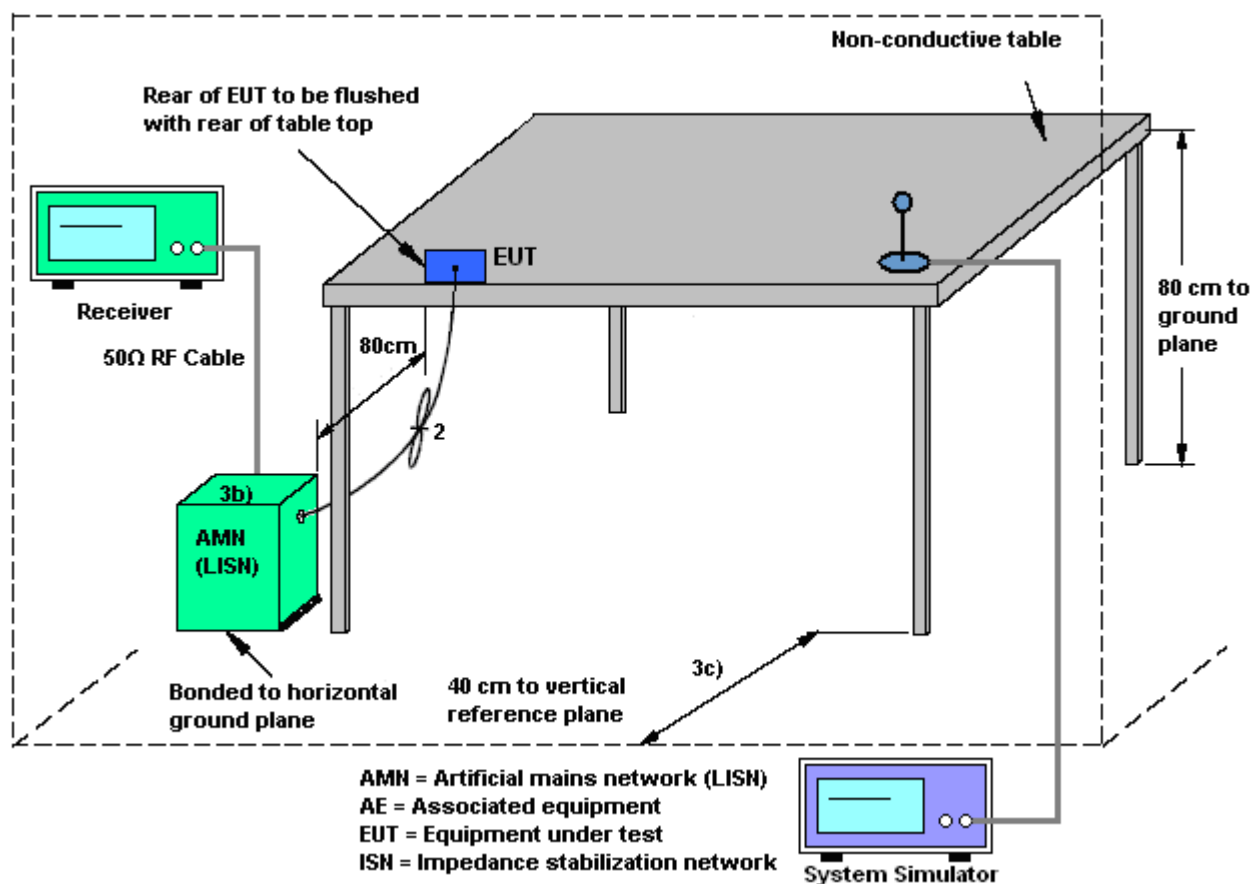
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

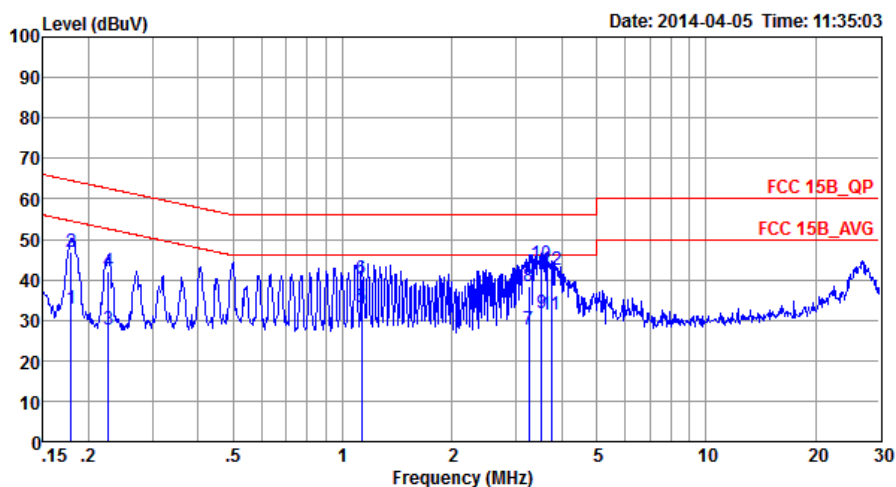
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission

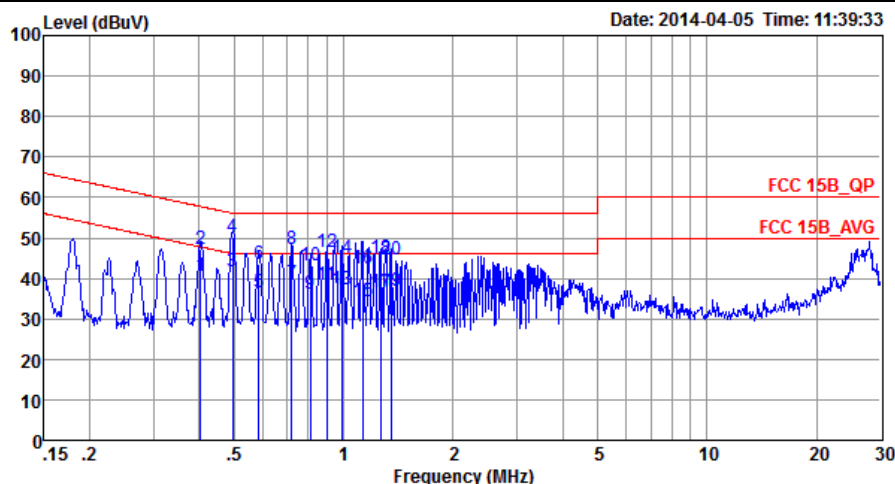
| | | | |
|------------------------|---|----------------------------|--------|
| Test Mode : | Mode 3 | Temperature : | 21~22℃ |
| Test Engineer : | Jack Tian | Relative Humidity : | 41~42% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Line |
| Function Type : | WCDMA Band V Idle + Bluetooth Idle + WLAN Idle+ USB Cable (Charging from Adapter) + Earphone + NFC on | | |



Site : C001-SZ
Condition: FCC 15B_QP LISN_L_20140304 LINE
Project : (FC)431805
Mode : Mode 3

| | Freq | Level | Over | Limit | Read | LISN | Cable | |
|------|------|-------|--------|-------|-------|--------|-------|---------|
| | MHz | dBuV | Limit | Line | Level | Factor | Loss | Remark |
| | | | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.18 | 32.74 | -21.81 | 54.55 | 22.20 | 0.22 | 10.32 | Average |
| 2 | 0.18 | 46.74 | -17.81 | 64.55 | 36.20 | 0.22 | 10.32 | QP |
| 3 | 0.23 | 27.80 | -24.77 | 52.57 | 17.31 | 0.23 | 10.26 | Average |
| 4 | 0.23 | 42.10 | -20.47 | 62.57 | 31.61 | 0.23 | 10.26 | QP |
| 5 | 1.13 | 33.11 | -12.89 | 46.00 | 22.70 | 0.25 | 10.16 | Average |
| 6 | 1.13 | 40.31 | -15.69 | 56.00 | 29.90 | 0.25 | 10.16 | QP |
| 7 | 3.26 | 27.74 | -18.26 | 46.00 | 17.19 | 0.33 | 10.22 | Average |
| 8 | 3.26 | 38.24 | -17.76 | 56.00 | 27.69 | 0.33 | 10.22 | QP |
| 9 | 3.53 | 31.86 | -14.14 | 46.00 | 21.30 | 0.34 | 10.22 | Average |
| 10 * | 3.53 | 43.96 | -12.04 | 56.00 | 33.40 | 0.34 | 10.22 | QP |
| 11 | 3.76 | 31.18 | -14.82 | 46.00 | 20.60 | 0.36 | 10.22 | Average |
| 12 | 3.76 | 42.58 | -13.42 | 56.00 | 32.00 | 0.36 | 10.22 | QP |

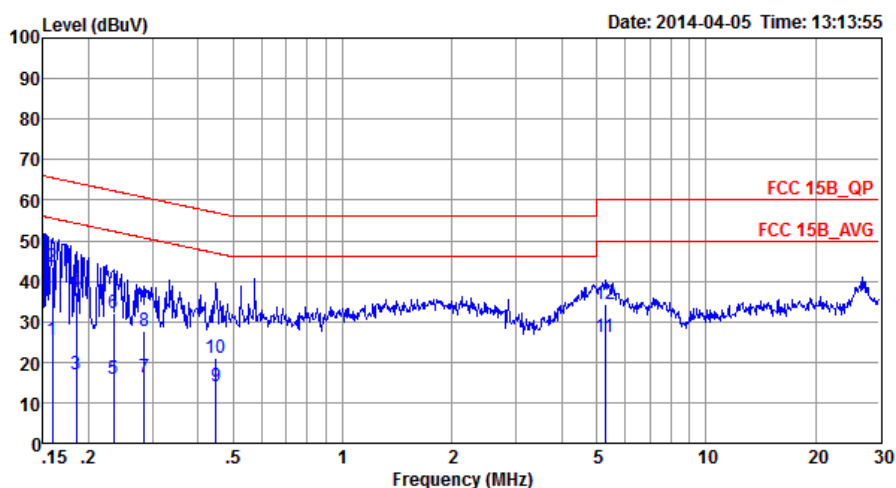
| | | | |
|------------------------|---|----------------------------|---------|
| Test Mode : | Mode 3 | Temperature : | 22~23°C |
| Test Engineer : | Jack Tian | Relative Humidity : | 41~42% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Neutral |
| Function Type : | WCDMA Band V Idle + Bluetooth Idle + WLAN Idle+ USB Cable (Charging from Adapter) + Earphone + NFC on | | |



Site : CO01-SZ
 Condition: FCC 15B_QP LISN_N_20140304 NEUTRAL
 Project : (FC)431805
 Mode : Mode 3

| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|-----|------|-------|------------|------------|------------|-------------|------------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.40 | 40.46 | -7.31 | 47.77 | 29.90 | 0.39 | 10.17 | Average |
| 2 | 0.40 | 47.16 | -10.61 | 57.77 | 36.60 | 0.39 | 10.17 | QP |
| 3 * | 0.49 | 41.67 | -4.43 | 46.10 | 31.10 | 0.41 | 10.16 | Average |
| 4 | 0.49 | 50.37 | -5.73 | 56.10 | 39.80 | 0.41 | 10.16 | QP |
| 5 | 0.59 | 36.48 | -9.52 | 46.00 | 26.00 | 0.33 | 10.15 | Average |
| 6 | 0.59 | 43.38 | -12.62 | 56.00 | 32.90 | 0.33 | 10.15 | QP |
| 7 | 0.72 | 38.61 | -7.39 | 46.00 | 28.20 | 0.26 | 10.15 | Average |
| 8 | 0.72 | 47.11 | -8.89 | 56.00 | 36.70 | 0.26 | 10.15 | QP |
| 9 | 0.81 | 36.13 | -9.87 | 46.00 | 25.70 | 0.28 | 10.15 | Average |
| 10 | 0.81 | 43.13 | -12.87 | 56.00 | 32.70 | 0.28 | 10.15 | QP |
| 11 | 0.90 | 38.46 | -7.54 | 46.00 | 28.00 | 0.31 | 10.15 | Average |
| 12 | 0.90 | 46.56 | -9.44 | 56.00 | 36.10 | 0.31 | 10.15 | QP |
| 13 | 0.99 | 37.18 | -8.82 | 46.00 | 26.70 | 0.33 | 10.15 | Average |
| 14 | 0.99 | 45.08 | -10.92 | 56.00 | 34.60 | 0.33 | 10.15 | QP |
| 15 | 1.13 | 34.39 | -11.61 | 46.00 | 23.89 | 0.34 | 10.16 | Average |
| 16 | 1.13 | 42.49 | -13.51 | 56.00 | 31.99 | 0.34 | 10.16 | QP |
| 17 | 1.26 | 36.71 | -9.29 | 46.00 | 26.21 | 0.34 | 10.16 | Average |
| 18 | 1.26 | 44.91 | -11.09 | 56.00 | 34.41 | 0.34 | 10.16 | QP |
| 19 | 1.35 | 36.91 | -9.09 | 46.00 | 26.39 | 0.35 | 10.17 | Average |
| 20 | 1.35 | 44.61 | -11.39 | 56.00 | 34.09 | 0.35 | 10.17 | QP |

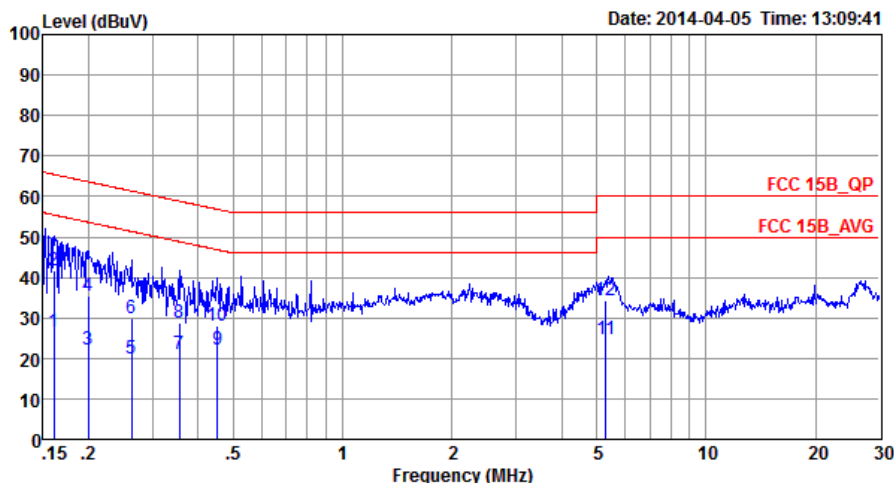
| | | | |
|------------------------|---|----------------------------|--------|
| Test Mode : | Mode 4 | Temperature : | 22~23℃ |
| Test Engineer : | Jack Tian | Relative Humidity : | 41~42% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Line |
| Function Type : | WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx | | |



Site : CO01-SZ
 Condition: FCC 15B_QP LISN_L_20140304 LINE
 Project : (FC)431805
 Mode : Mode 4

| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|-----|------|-------|------------|------------|------------|-------------|------------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.16 | 25.47 | -30.05 | 55.52 | 14.90 | 0.22 | 10.35 | Average |
| 2 * | 0.16 | 43.37 | -22.15 | 65.52 | 32.80 | 0.22 | 10.35 | QP |
| 3 | 0.19 | 17.13 | -37.11 | 54.24 | 6.60 | 0.22 | 10.31 | Average |
| 4 | 0.19 | 37.43 | -26.81 | 64.24 | 26.90 | 0.22 | 10.31 | QP |
| 5 | 0.23 | 15.89 | -36.41 | 52.30 | 5.40 | 0.23 | 10.26 | Average |
| 6 | 0.23 | 32.09 | -30.21 | 62.30 | 21.60 | 0.23 | 10.26 | QP |
| 7 | 0.28 | 16.06 | -34.62 | 50.68 | 5.60 | 0.25 | 10.21 | Average |
| 8 | 0.28 | 27.76 | -32.92 | 60.68 | 17.30 | 0.25 | 10.21 | QP |
| 9 | 0.45 | 14.15 | -32.74 | 46.89 | 3.70 | 0.29 | 10.16 | Average |
| 10 | 0.45 | 21.15 | -35.74 | 56.89 | 10.70 | 0.29 | 10.16 | QP |
| 11 | 5.28 | 26.06 | -23.94 | 50.00 | 15.40 | 0.41 | 10.25 | Average |
| 12 | 5.28 | 34.46 | -25.54 | 60.00 | 23.80 | 0.41 | 10.25 | QP |

| | | | |
|------------------------|---|----------------------------|---------|
| Test Mode : | Mode 4 | Temperature : | 22~23℃ |
| Test Engineer : | Jack Tian | Relative Humidity : | 41~42% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Neutral |
| Function Type : | WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx | | |



Site : C001-SZ
 Condition: FCC 15B_QP LISN_N_20140304 NEUTRAL
 Project : (FC)431805
 Mode : Mode 4

| | Freq | Level | Over | Limit | Read | LISN | Cable | |
|-----|------|-------|--------|-------|-------|--------|-------|---------|
| | MHz | dBuV | Limit | Line | Level | Factor | Loss | Remark |
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.16 | 26.57 | -28.86 | 55.43 | 15.90 | 0.33 | 10.34 | Average |
| 2 * | 0.16 | 41.77 | -23.66 | 65.43 | 31.10 | 0.33 | 10.34 | QP |
| 3 | 0.20 | 22.31 | -31.31 | 53.62 | 11.70 | 0.32 | 10.29 | Average |
| 4 | 0.20 | 35.41 | -28.21 | 63.62 | 24.80 | 0.32 | 10.29 | QP |
| 5 | 0.26 | 19.88 | -31.46 | 51.34 | 9.30 | 0.35 | 10.23 | Average |
| 6 | 0.26 | 29.78 | -31.56 | 61.34 | 19.20 | 0.35 | 10.23 | QP |
| 7 | 0.36 | 21.06 | -27.77 | 48.83 | 10.50 | 0.38 | 10.18 | Average |
| 8 | 0.36 | 28.66 | -30.17 | 58.83 | 18.10 | 0.38 | 10.18 | QP |
| 9 | 0.45 | 22.26 | -24.59 | 46.85 | 11.70 | 0.40 | 10.16 | Average |
| 10 | 0.45 | 28.16 | -28.69 | 56.85 | 17.60 | 0.40 | 10.16 | QP |
| 11 | 5.30 | 24.63 | -25.37 | 50.00 | 13.90 | 0.48 | 10.25 | Average |
| 12 | 5.30 | 34.23 | -25.77 | 60.00 | 23.50 | 0.48 | 10.25 | QP |

3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|--------------------|--------------------------------------|----------------------------------|
| 30 – 88 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 – 960 | 200 | 3 |
| Above 960 | 500 | 3 |

3.2.2. Measuring Instruments

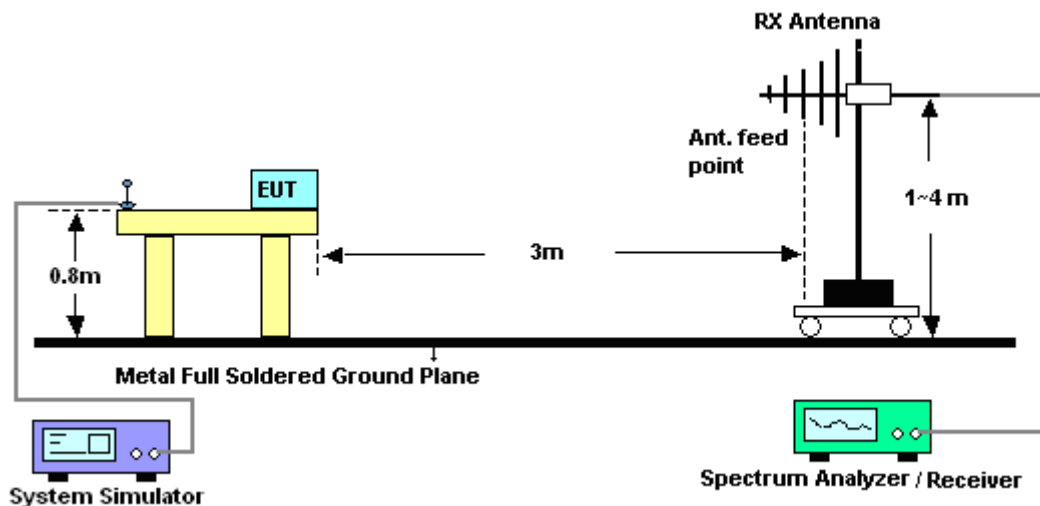
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

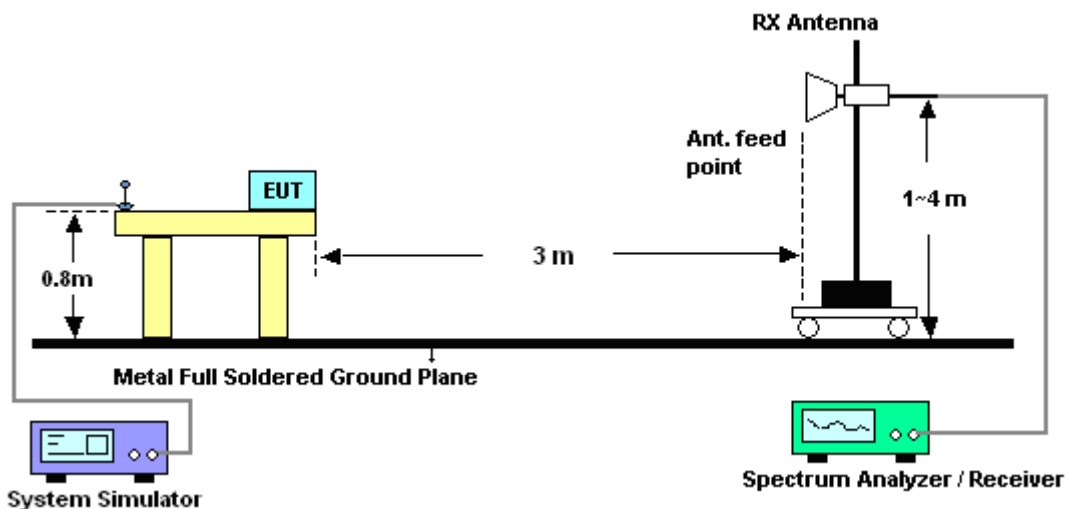
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz

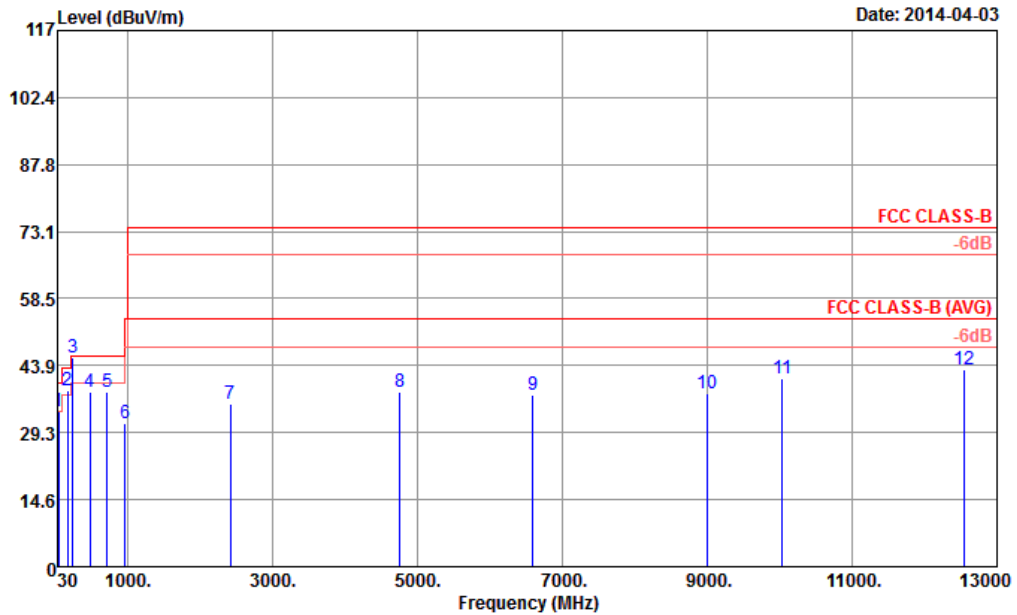


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

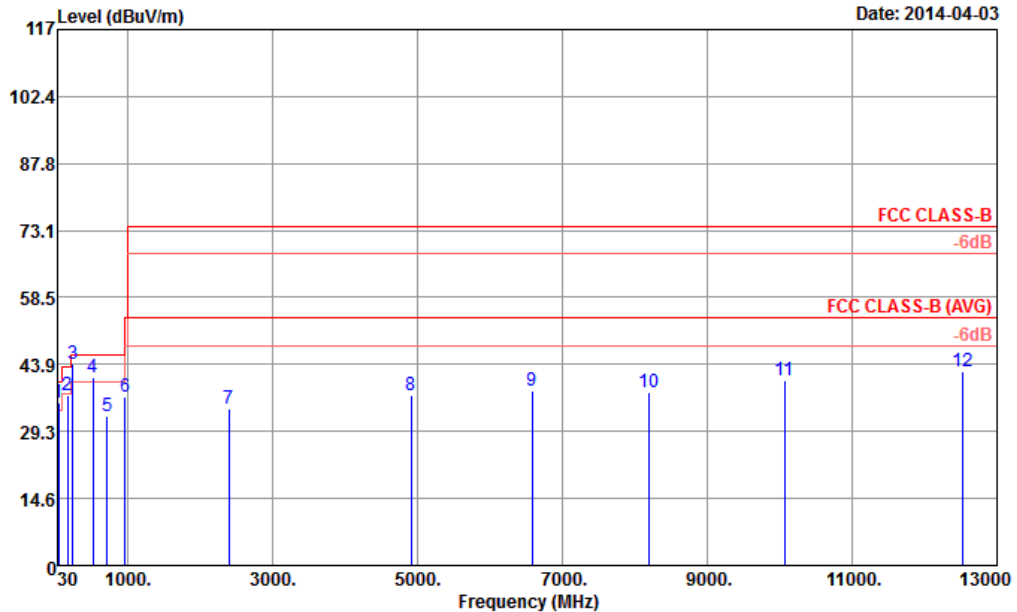
| | | | |
|------------------------|---|----------------------------|------------|
| Test Mode : | Mode 4 | Temperature : | 23~25°C |
| Test Engineer : | Kaer Huang | Relative Humidity : | 48~52% |
| Test Distance : | 3m | Polarization : | Horizontal |
| Function Type : | WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx | | |



Site : 03CH01-SZ
 Condition : FCC CLASS-B 3m LF_ANT_131026 HORIZONTAL
 Project : (FC)431805
 Mode : Mode 4

| | Freq | Level | Over | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark |
|-----|----------|--------|--------|--------|-------------|-------|--------|-------|-------|---------|
| | MHz | dBuV/m | Limit | Line | Level | Loss | Factor | cm | deg | |
| | | | dB | dBuV/m | dBuV | dB/m | dB | dB | | |
| 1 | 46.74 | 33.74 | -6.26 | 40.00 | 54.03 | 8.73 | 0.91 | 29.93 | --- | Peak |
| 2 P | 168.78 | 38.50 | -5.00 | 43.50 | 58.33 | 8.54 | 1.57 | 29.94 | --- | Peak |
| 3 Q | 240.06 | 45.57 | -0.43 | 46.00 | 62.33 | 11.35 | 1.82 | 29.93 | 115 | 28 QP |
| 4 | 479.90 | 38.21 | -7.79 | 46.00 | 48.25 | 17.40 | 2.48 | 29.92 | --- | Peak |
| 5 | 720.00 | 38.06 | -7.94 | 46.00 | 45.70 | 19.30 | 2.99 | 29.93 | --- | Peak |
| 6 | 960.10 | 31.41 | -22.59 | 54.00 | 36.62 | 21.30 | 3.43 | 29.94 | --- | Peak |
| 7 | 2416.00 | 35.68 | -38.32 | 74.00 | 54.72 | 32.07 | 5.65 | 56.76 | --- | Peak |
| 8 | 4758.00 | 38.13 | -35.87 | 74.00 | 53.56 | 33.67 | 8.28 | 57.38 | --- | Peak |
| 9 | 6596.00 | 37.51 | -36.49 | 74.00 | 50.55 | 33.95 | 9.85 | 56.84 | --- | Peak |
| 10 | 8992.00 | 37.91 | -36.09 | 74.00 | 45.55 | 36.38 | 11.12 | 55.14 | --- | Peak |
| 11 | 10040.00 | 41.03 | -32.97 | 74.00 | 48.35 | 36.97 | 12.70 | 56.99 | --- | Peak |
| 12 | 12554.00 | 43.18 | -30.82 | 74.00 | 47.06 | 38.02 | 14.23 | 56.13 | 120 | 20 Peak |

| | | | |
|------------------------|---|----------------------------|----------|
| Test Mode : | Mode 4 | Temperature : | 23~25°C |
| Test Engineer : | Kaer Huang | Relative Humidity : | 48~52% |
| Test Distance : | 3m | Polarization : | Vertical |
| Function Type : | WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx | | |



Site : 03CH01-SZ
 Condition : FCC CLASS-B 3m LF_ANT_131026 VERTICAL
 Project : (FC)431805
 Mode : Mode 4

| | Freq | Level | Over Limit | Limit Line | ReadAntenna Level | Antenna Factor | Cable Loss | Preamp Factor | A/Pos | T/Pos | Remark |
|-----|----------|--------|------------|------------|-------------------|----------------|------------|---------------|-------|-------|--------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | |
| 1 P | 46.20 | 35.68 | -4.32 | 40.00 | 55.97 | 8.73 | 0.91 | 29.93 | --- | --- | Peak |
| 2 | 165.81 | 37.18 | -6.32 | 43.50 | 56.90 | 8.66 | 1.56 | 29.94 | --- | --- | Peak |
| 3 Q | 240.06 | 43.91 | -2.09 | 46.00 | 60.67 | 11.35 | 1.82 | 29.93 | 100 | 116 | QP |
| 4 ! | 521.90 | 41.19 | -4.81 | 46.00 | 51.15 | 17.36 | 2.60 | 29.92 | --- | --- | Peak |
| 5 | 720.00 | 32.73 | -13.27 | 46.00 | 40.37 | 19.30 | 2.99 | 29.93 | --- | --- | Peak |
| 6 | 960.10 | 36.69 | -17.31 | 54.00 | 41.90 | 21.30 | 3.43 | 29.94 | --- | --- | Peak |
| 7 | 2396.00 | 34.19 | -39.81 | 74.00 | 53.34 | 31.98 | 5.62 | 56.75 | --- | --- | Peak |
| 8 | 4916.00 | 37.01 | -36.99 | 74.00 | 51.65 | 34.01 | 8.46 | 57.11 | --- | --- | Peak |
| 9 | 6580.00 | 38.05 | -35.95 | 74.00 | 51.06 | 33.96 | 9.85 | 56.82 | --- | --- | Peak |
| 10 | 8202.00 | 37.88 | -36.12 | 74.00 | 47.82 | 35.27 | 10.84 | 56.05 | --- | --- | Peak |
| 11 | 10068.00 | 40.39 | -33.61 | 74.00 | 47.70 | 36.96 | 12.71 | 56.98 | --- | --- | Peak |
| 12 | 12522.00 | 42.24 | -31.76 | 74.00 | 46.19 | 37.96 | 14.22 | 56.13 | 150 | 30 | Peak |

4. List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-----------------------------------|----------------|-----------|--------------|-----------------|------------------|---------------|---------------|-----------------------|
| ESCIO TEST Receiver | R&S | ESCI | 100724 | 9kHz~3GHz | Feb. 21, 2014 | Apr. 05, 2014 | Feb. 20, 2015 | Conduction (CO01-SZ) |
| AC LISN | EMCO | 3816/2SH | 00103912 | 9kHz~30MHz | Mar. 04, 2014 | Apr. 05, 2014 | Mar. 03, 2015 | Conduction (CO01-SZ) |
| AC LISN (for auxiliary equipment) | EMCO | 3816/2SH | 00103892 | 9kHz~30MHz | Mar. 04, 2014 | Apr. 05, 2014 | Mar. 03, 2015 | Conduction (CO01-SZ) |
| AC Power Source | Chroma | 61602 | 616020000891 | 100Vac~250Vac | Dec. 17, 2013 | Apr. 05, 2014 | Dec. 16, 2014 | Conduction (CO01-SZ) |
| Signal Analyzer | R&S | FSV40 | 101078 | 10Hz~40GHz | Jun. 17, 2013 | Apr. 03, 2014 | Jun. 16, 2014 | Radiation (03CH01-SZ) |
| Loop Antenna | R&S | HFH2-Z2 | 100354 | 9kHz~30MHz | May 29, 2013 | Apr. 03, 2014 | May 28, 2014 | Radiation (03CH01-SZ) |
| Bilog Antenna | TESEQ | CBL 6112D | 23188 | 30MHz~2GHz | Oct. 26, 2013 | Apr. 03, 2014 | Oct. 25, 2014 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna | ETS Lindgren | 3117 | 00119436 | 1GHz~18GHz | Oct. 26, 2013 | Apr. 03, 2014 | Oct. 25, 2014 | Radiation (03CH01-SZ) |
| Double Ridged Horn Antenna | COM-POWER | AH-840 | 101073 | 18GHz~40GHz | Jan. 27, 2014 | Apr. 03, 2014 | Jan. 26, 2015 | Radiation (03CH01-SZ) |
| Amplifier | ADVANTEST | BB525C | E9007003 | 9kHz~3000MHz | Feb. 21, 2014 | Apr. 03, 2014 | Feb. 20, 2015 | Radiation (03CH01-SZ) |
| Amplifier | Agilent | 83017A | MY39501302 | 3Hz~26.5GHz | Mar. 03, 2014 | Apr. 03, 2014 | Mar. 02, 2015 | Radiation (03CH01-SZ) |
| Turn Table | EM Electronics | EM 1000 | N/A | 0~360 degree | NCR | Apr. 03, 2014 | NCR | Radiation (03CH01-SZ) |
| Antenna Mast | EM Electronics | EM 1000 | N/A | 1 m~4 m | NCR | Apr. 03, 2014 | NCR | Radiation (03CH01-SZ) |

5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

| | |
|--|------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$) | 2.31 |
|--|------|

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

| | |
|--|------|
| Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$) | 3.90 |
|--|------|