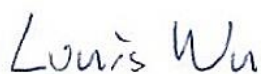


# FCC Test Report

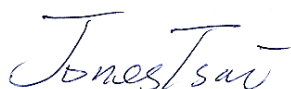
APPLICANT : ZTE CORPORATION  
EQUIPMENT : LTE Ufi  
BRAND NAME : ZTE  
MODEL NAME : Z288L  
FCC ID : SRQ-Z288L  
STANDARD : FCC 47 CFR FCC Part 15 Subpart B  
CLASSIFICATION : Certification

The product was received on May 06, 2014 and testing was completed on Jun. 07, 2014. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2003 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 (KUNSHAN) INC., the test report shall not be reproduced except in full.



Reviewed by: Louis Wu / Manager



Approved by: Jones Tsai / Manager



**SPORTON INTERNATIONAL (KUNSHAN) INC.**  
**No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. C.**



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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FC450601   | Rev. 01 | Initial issue of report | Jun. 27, 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<br>10.35 dB at<br>0.430 MHz                    |
| 3.2            | 15.109   | Radiated Emission     | < 15.109 limits | PASS   | Under limit<br>7.29 dB at<br>193.930 MHz for<br>Quasi-Peak |

## 1. General Description

### 1.1. Applicant

**ZTE CORPORATION**

ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057,  
P.R.China

### 1.2. Manufacturer

**ZTE CORPORATION**

ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057,  
P.R.China

### 1.3. Product Feature of Equipment Under Test

| Product Feature                 |                                                 |
|---------------------------------|-------------------------------------------------|
| Equipment                       | LTE Ufi                                         |
| Brand Name                      | ZTE                                             |
| Model Name                      | Z288L                                           |
| FCC ID                          | SRQ-Z288L                                       |
| EUT supports Radios application | CDMA/EV-DO/LTE/<br>WLAN 2.4GHz 802.11b/g/n HT20 |
| HW Version                      | Z288LHWV1.0                                     |
| SW Version                      | TF_US_Z288LV0.0.0B03                            |
| 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 subjective to this standard

| Product Specification subjective to this standard |                                                                                                                                                                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tx Frequency</b>                               | CDMA2000 BC0 : 824.70 MHz ~ 848.31 MHz<br>CDMA2000 BC1 : 1851.25 MHz ~ 1908.75 MHz<br>LTE Band 13 : 779.5 MHz ~ 784.5 MHz<br>802.11b/g/n: 2412 MHz ~ 2462 MHz        |
| <b>Rx Frequency</b>                               | CDMA2000 BC0 : 869.70 MHz ~ 893.31 MHz<br>CDMA2000 BC1 : 1931.25 MHz ~ 1988.75 MHz<br>LTE Band 13 : 748.5 MHz ~ 753.5 MHz<br>802.11b/g/n: 2412 MHz ~ 2462 MHz        |
| <b>Antenna Type</b>                               | WWAN : IFA Antenna<br>WLAN : Monopole Antenna                                                                                                                        |
| <b>Type of Modulation</b>                         | CDMA2000 1xRTT : QPSK<br>CDMA2000 1xEV-DO : QPSK/8PSK<br>LTE: QPSK / 16QAM<br>802.11b : DSSS (DBPSK / DQPSK / CCK)<br>802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) |

## 1.5. Modification of EUT

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

## 1.6. Test Location

|                    |                                                            |           |                      |
|--------------------|------------------------------------------------------------|-----------|----------------------|
| Test Site          | SPORTON INTERNATIONAL (KUNSHAN) INC.                       |           |                      |
| Test Site Location | No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C. |           |                      |
|                    | TEL: +86-0512-5790-0158                                    |           |                      |
|                    | FAX: +86-0512-5790-0958                                    |           |                      |
| Test Site No.      | Sporton Site No.                                           |           | FCC Registration No. |
|                    | CO01-KS                                                    | 03CH01-KS | 149928               |

## 1.7. Applicable 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<br>(EUT connected with notebook) | ☒              | ☒         | ☒         |

#### Abbreviations:

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

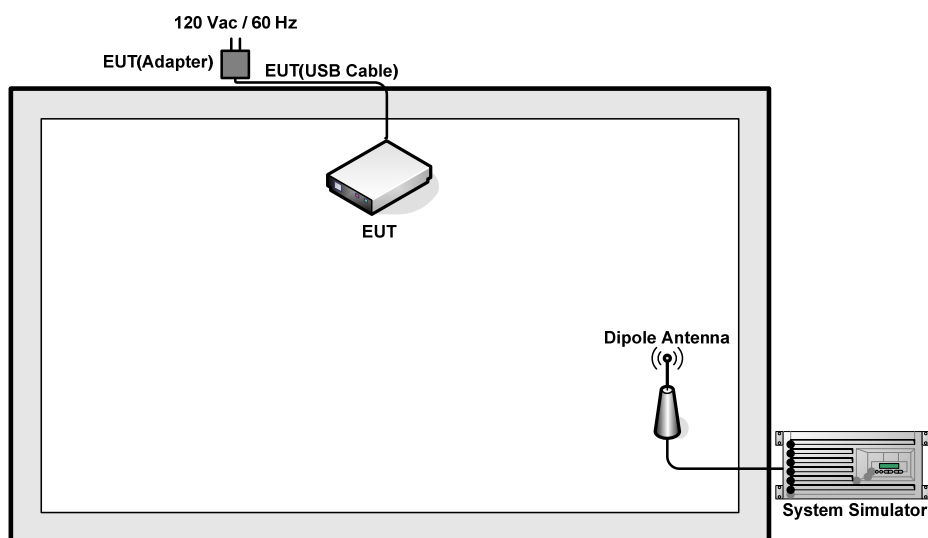
**Note 1:** Testing for this mode is not required or not the worst case.

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

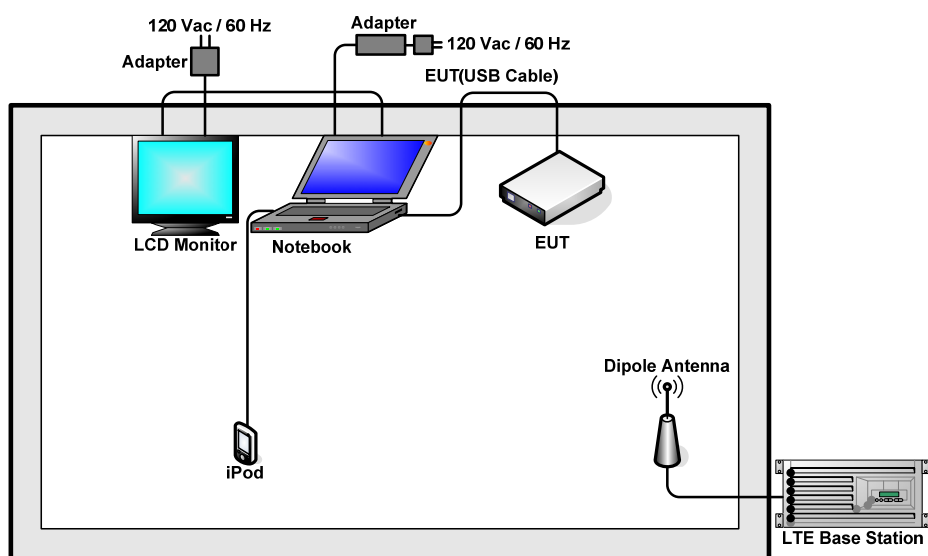


| Test Items                                                                                                                                                                                                                                                                                                                                | EUT Configure Mode | Function Type                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Conducted Emission                                                                                                                                                                                                                                                                                                                     | 1/2                | Mode 1 : CDMA2000 BC0 Idle + WLAN Idle + USB Cable (Charging from Adapter) <Fig.1><br>Mode 2 : LTE Band 13 Idle + WLAN Idle + USB Cable (Data Link with Notebook) <Fig.2> |
| Radiated Emissions < 1GHz                                                                                                                                                                                                                                                                                                                 | 1/2                | Mode 1 : CDMA2000 BC0 Idle + WLAN Idle + USB Cable (Charging from Adapter) <Fig.1><br>Mode 2 : LTE Band 13 Idle + WLAN Idle + USB Cable (Data Link with Notebook) <Fig.2> |
| Radiated Emissions $\geq$ 1GHz                                                                                                                                                                                                                                                                                                            | 2                  | Mode 1 : LTE Band 13 Idle + WLAN Idle + USB Cable (Data Link with Notebook) <Fig.2>                                                                                       |
| <b>Remark:</b> <ol style="list-style-type: none"> <li>The worst case of AC is mode 2; only the test data of this mode is reported.</li> <li>The worst case of RE &lt; 1G is mode 2; only the test data of this mode is reported.</li> <li>Link with Notebook means data application transferred mode between EUT and Notebook.</li> </ol> |                    |                                                                                                                                                                           |

## 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        | CMU 200    | N/A     | N/A             | Unshielded, 1.8 m                                          |
| 2.   | LTE Base Station | Anritsu    | MT8820C    | N/A     | N/A             | Unshielded, 1.8 m                                          |
| 3.   | Notebook         | Lenovo     | G480       | N/A     | N/A             | AC I/P:<br>Unshielded, 1.8 m<br>DC O/P:<br>Shielded, 1.8 m |
| 4.   | LCD Monitor      | Lenovo     | L197WA     | FCC DoC | Shielded, 1.6 m | Unshielded, 1.8 m                                          |
| 5.   | LCD Monitor      | DELL       | IN1930MWc  | N/A     | N/A             | Unshielded, 1.8 m                                          |
| 6.   | iPod             | Apple      | A1199      | FCC DoC | Shielded, 1.2 m | N/A                                                        |

## 2.4. EUT Operation Test Setup

The EUT was in CDMA2000 or LTE 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. And data application is transferred between notebook and EUT via USB cable.

### 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<br>(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.

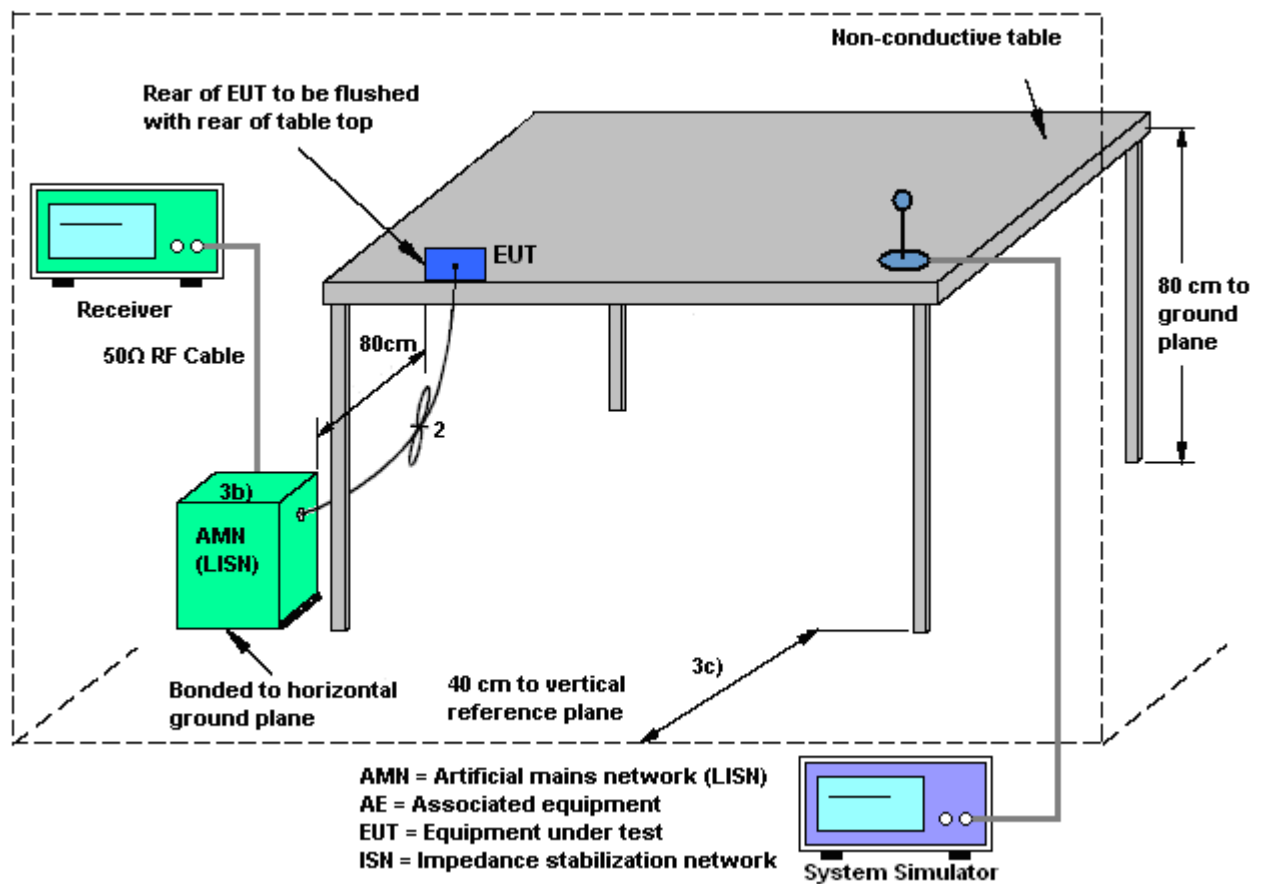
##### 3.1.2 Measuring Instruments

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

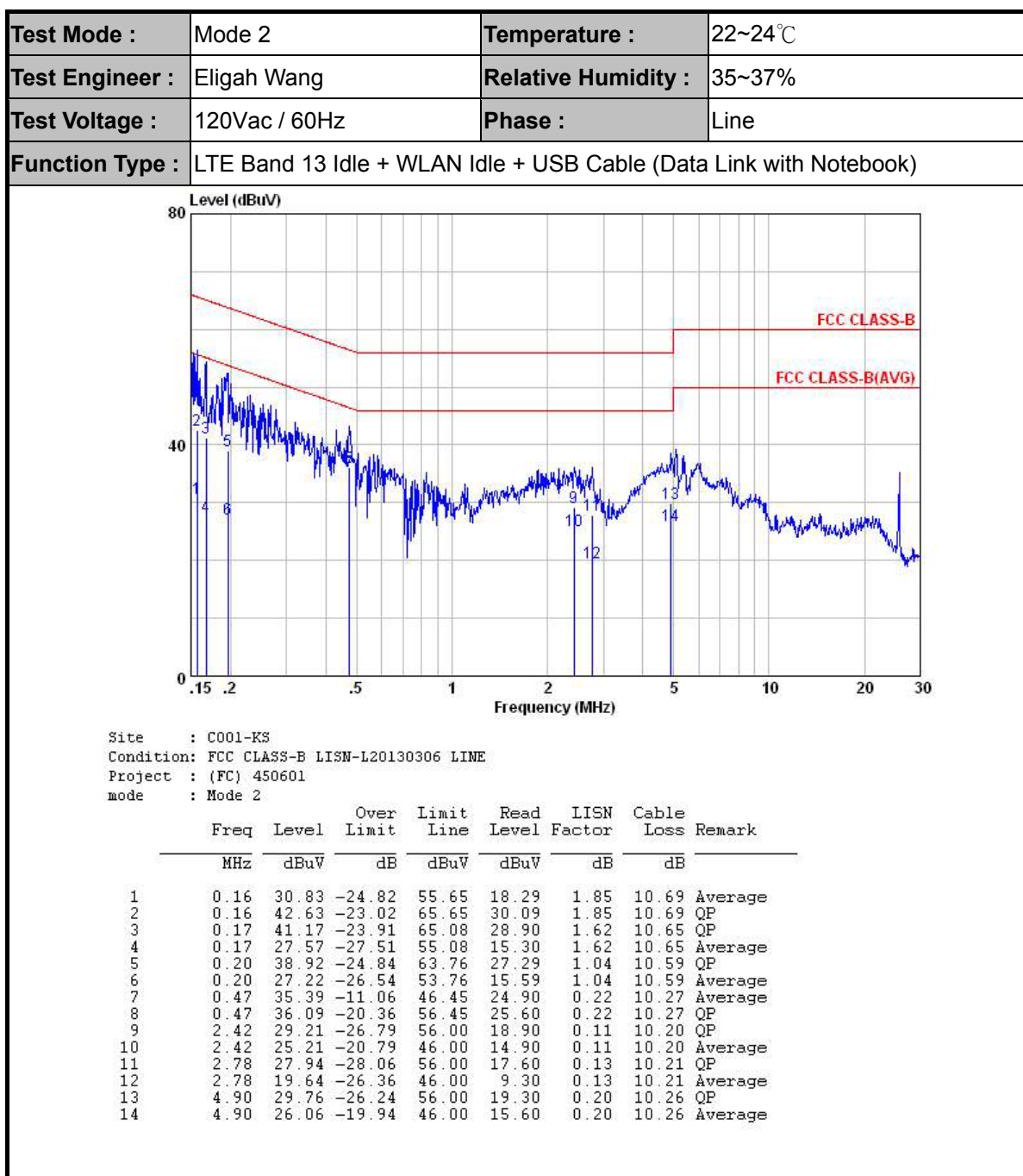
##### 3.1.3 Test Procedure

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

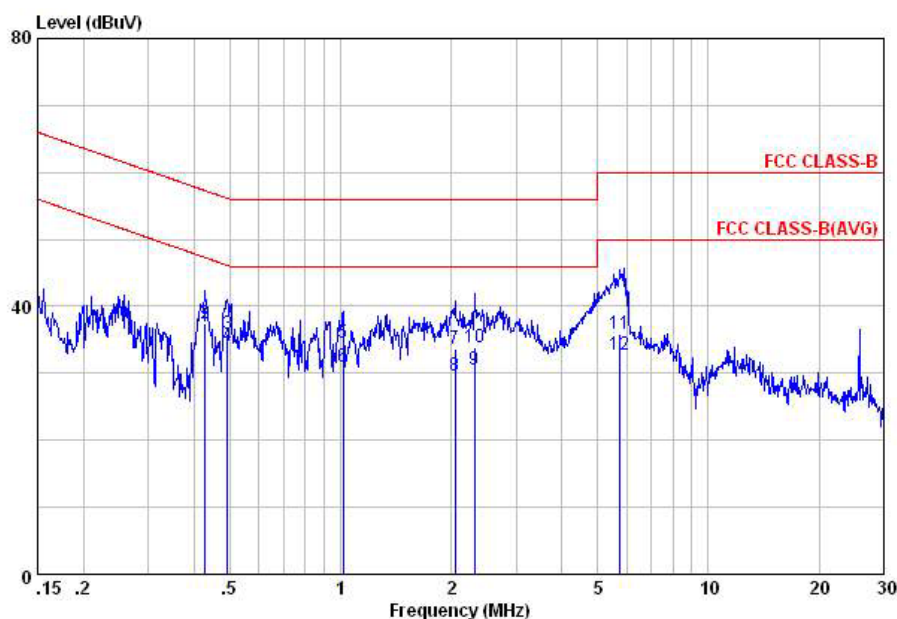


### 3.1.5 Test Result of AC Conducted Emission





|                 |                                                                    |                     |         |
|-----------------|--------------------------------------------------------------------|---------------------|---------|
| Test Mode :     | Mode 2                                                             | Temperature :       | 22~24°C |
| Test Engineer : | Eligah Wang                                                        | Relative Humidity : | 35~37%  |
| Test Voltage :  | 120Vac / 60Hz                                                      | Phase :             | Neutral |
| Function Type : | LTE Band 13 Idle + WLAN Idle + USB Cable (Data Link with Notebook) |                     |         |



Site : C001-KS  
Condition: FCC CLASS-B LISN-N20130306 NEUTRAL  
Project : (FC) 450601  
mode : Mode 2

|    | Freq | Level | Over   | Limit | Read  | LISN   | Cable | Remark  |
|----|------|-------|--------|-------|-------|--------|-------|---------|
|    | MHz  | dBuV  | Limit  | Line  | Level | Factor | Loss  |         |
|    |      |       | dB     | dBuV  | dBuV  | dB     | dB    |         |
| 1  | 0.43 | 36.94 | -10.35 | 47.29 | 26.29 | 0.37   | 10.28 | Average |
| 2  | 0.43 | 37.54 | -19.75 | 57.29 | 26.89 | 0.37   | 10.28 | QP      |
| 3  | 0.49 | 35.87 | -20.27 | 56.14 | 25.29 | 0.31   | 10.27 | QP      |
| 4  | 0.49 | 34.17 | -11.97 | 46.14 | 23.59 | 0.31   | 10.27 | Average |
| 5  | 1.02 | 34.58 | -21.42 | 56.00 | 24.30 | 0.10   | 10.18 | QP      |
| 6  | 1.02 | 31.08 | -14.92 | 46.00 | 20.80 | 0.10   | 10.18 | Average |
| 7  | 2.04 | 33.59 | -22.41 | 56.00 | 23.30 | 0.10   | 10.19 | QP      |
| 8  | 2.04 | 29.59 | -16.41 | 46.00 | 19.30 | 0.10   | 10.19 | Average |
| 9  | 2.31 | 30.61 | -15.39 | 46.00 | 20.30 | 0.11   | 10.20 | Average |
| 10 | 2.31 | 33.91 | -22.09 | 56.00 | 23.60 | 0.11   | 10.20 | QP      |
| 11 | 5.74 | 35.78 | -24.22 | 60.00 | 25.30 | 0.20   | 10.28 | QP      |
| 12 | 5.74 | 32.78 | -17.22 | 50.00 | 22.30 | 0.20   | 10.28 | Average |

## 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<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(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.

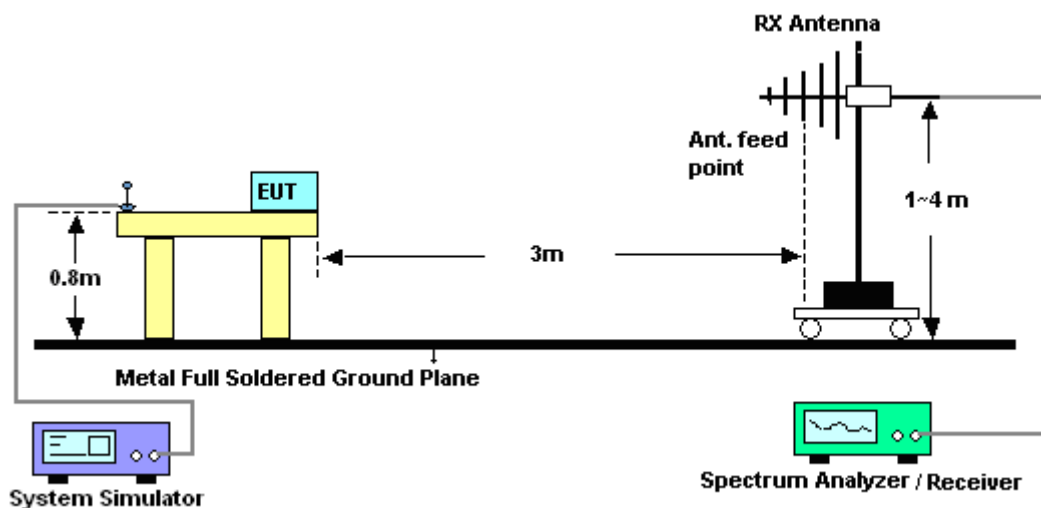
### 3.2.3. Test Procedures

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 $\mu$ V/m) = 20 log Emission level ( $\mu$ V/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

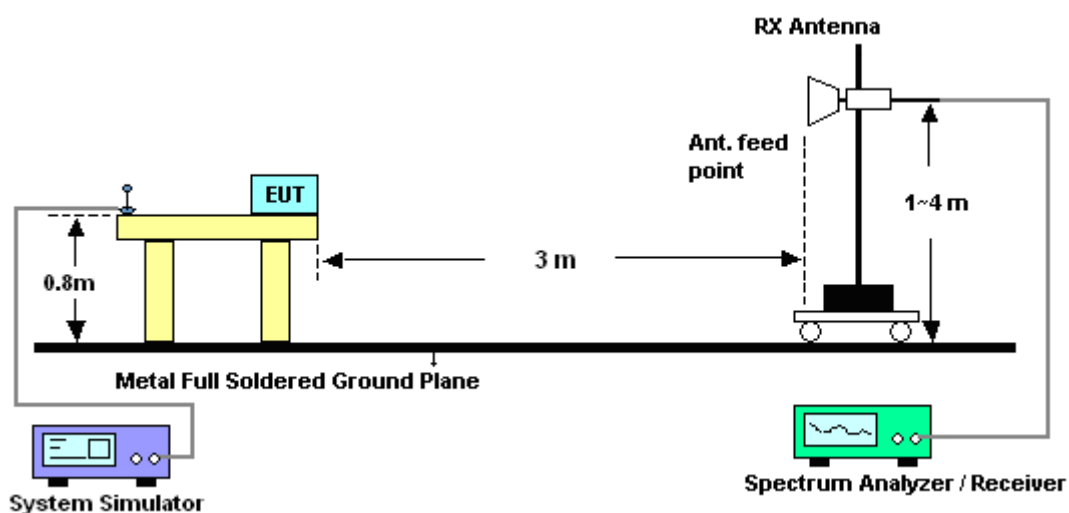


### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



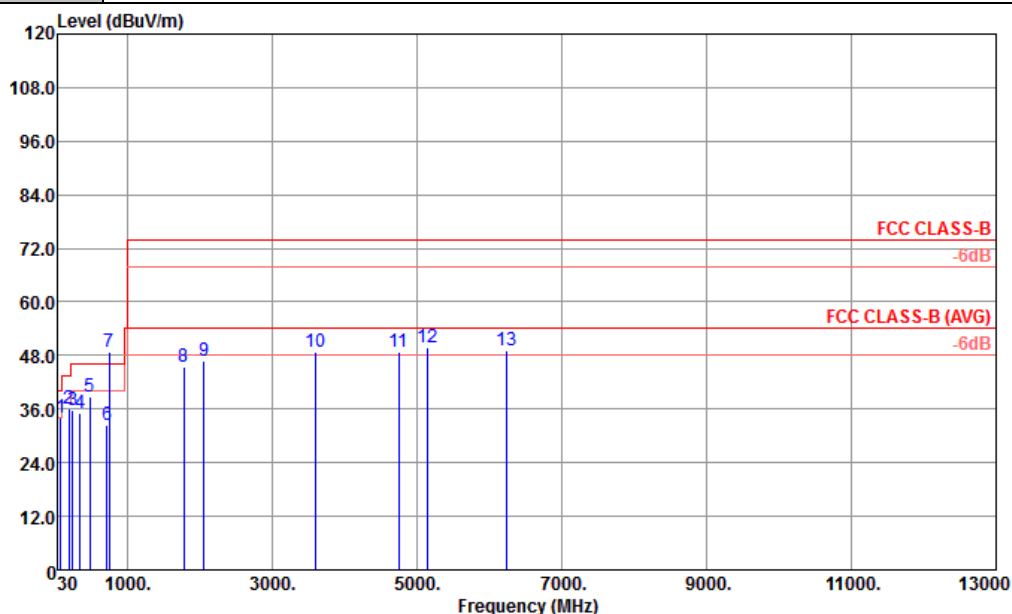
For radiated emissions above 1GHz





## 3.2.5. Test Result of Radiated Emission

|                 |                                                                    |                     |            |
|-----------------|--------------------------------------------------------------------|---------------------|------------|
| Test Mode :     | Mode 2                                                             | Temperature :       | 22~23°C    |
| Test Engineer : | Jun Liu                                                            | Relative Humidity : | 40~41%     |
| Test Distance : | 3m                                                                 | Polarization :      | Horizontal |
| Function Type : | LTE Band 13 Idle + WLAN Idle + USB Cable (Data Link with Notebook) |                     |            |
| Remark :        | #7 is system simulator signal which can be ignored.                |                     |            |



Site : 03CH01-KS

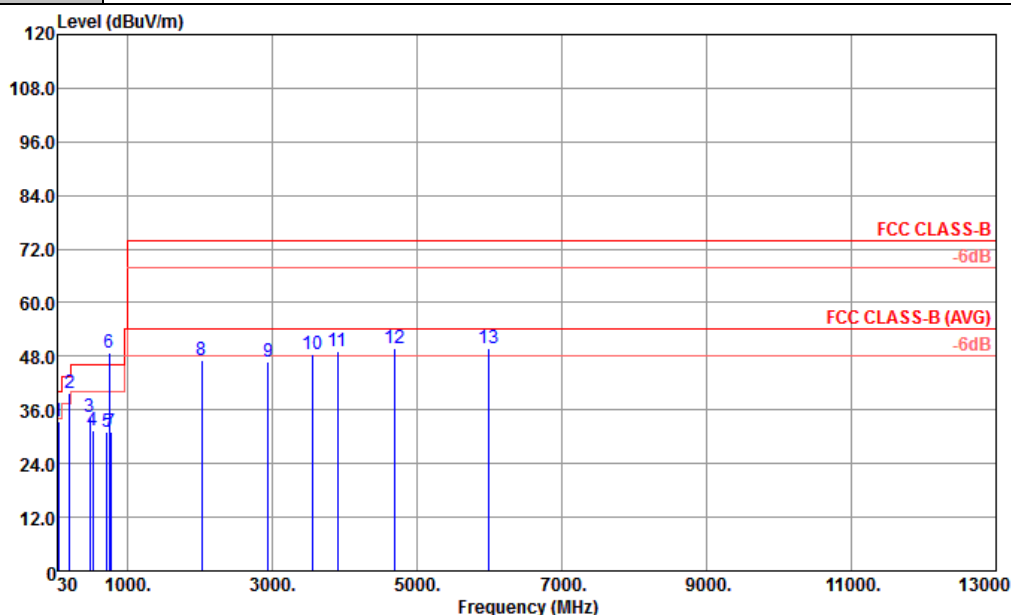
Condition : FCC CLASS-B 3m LF\_ANT\_100803 HORIZONTAL

Project : (FC) 450601

Mode : mode 2

|     | Freq    | Level  | Over   | Limit  | ReadAntenna | Cable | Preamp | A/Pos | I/Pos | Remark |
|-----|---------|--------|--------|--------|-------------|-------|--------|-------|-------|--------|
|     | MHz     | dBuV/m | Limit  | Line   | Level       | Loss  | Factor |       |       |        |
|     | MHz     | dBuV/m | dB     | dBuV/m | dBuV        | dB/m  | dB     | dB    | cm    | deg    |
| 1 ! | 72.68   | 34.23  | -5.77  | 40.00  | 61.48       | 5.55  | 0.79   | 33.59 | ---   | Peak   |
| 2   | 193.93  | 36.21  | -7.29  | 43.50  | 59.80       | 8.70  | 1.27   | 33.56 | 200   | 89 QP  |
| 3   | 243.40  | 35.67  | -10.33 | 46.00  | 55.98       | 11.70 | 1.44   | 33.45 | ---   | Peak   |
| 4   | 344.28  | 35.17  | -10.83 | 46.00  | 52.46       | 14.37 | 1.70   | 33.36 | ---   | Peak   |
| 5   | 480.08  | 38.81  | -7.19  | 46.00  | 53.10       | 16.87 | 2.00   | 33.16 | ---   | Peak   |
| 6   | 720.64  | 32.28  | -13.72 | 46.00  | 43.16       | 19.53 | 2.43   | 32.84 | ---   | Peak   |
| 7 * | 750.71  | 48.70  |        |        | 59.12       | 19.90 | 2.46   | 32.78 | ---   | Peak   |
| 8   | 1782.00 | 45.31  | -28.69 | 74.00  | 43.57       | 31.73 | 3.11   | 33.10 | ---   | Peak   |
| 9   | 2060.00 | 46.95  | -27.05 | 74.00  | 44.29       | 32.45 | 3.33   | 33.12 | ---   | Peak   |
| 10  | 3606.00 | 48.81  | -25.19 | 74.00  | 43.44       | 34.54 | 4.51   | 33.68 | ---   | Peak   |
| 11  | 4746.00 | 48.68  | -25.32 | 74.00  | 42.14       | 35.16 | 5.18   | 33.80 | ---   | Peak   |
| 12  | 5150.00 | 49.70  | -24.30 | 74.00  | 42.84       | 35.25 | 5.38   | 33.77 | ---   | Peak   |
| 13  | 6228.00 | 49.02  | -24.98 | 74.00  | 41.16       | 35.69 | 5.96   | 33.79 | ---   | Peak   |

|                        |                                                                    |                            |          |
|------------------------|--------------------------------------------------------------------|----------------------------|----------|
| <b>Test Mode :</b>     | Mode 2                                                             | <b>Temperature :</b>       | 22~23°C  |
| <b>Test Engineer :</b> | Jun Liu                                                            | <b>Relative Humidity :</b> | 40~41%   |
| <b>Test Distance :</b> | 3m                                                                 | <b>Polarization :</b>      | Vertical |
| <b>Function Type :</b> | LTE Band 13 Idle + WLAN Idle + USB Cable (Data Link with Notebook) |                            |          |
| <b>Remark :</b>        | #6 is system simulator signal which can be ignored.                |                            |          |



Site : 03CH01-KS  
Condition : FCC CLASS-B 3m LF\_ANT\_100803 VERTICAL  
Project : (FC) 450601  
Mode : mode 2

|     | Freq    | Level  | Over   | Limit | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark   |
|-----|---------|--------|--------|-------|-------------|-------|--------|-------|-------|----------|
|     | MHz     | dBuV/m | Limit  | Line  | Level       | Loss  | Factor | cm    | deg   |          |
| 1   | 43.58   | 33.50  | -6.50  | 40.00 | 56.47       | 10.03 | 0.62   | 33.62 | ---   | Peak     |
| 2 ! | 195.87  | 39.88  | -3.62  | 43.50 | 63.36       | 8.80  | 1.28   | 33.56 | 100   | 200 Peak |
| 3   | 480.08  | 34.50  | -11.50 | 46.00 | 48.79       | 16.87 | 2.00   | 33.16 | ---   | Peak     |
| 4   | 524.70  | 31.28  | -14.72 | 46.00 | 44.44       | 17.85 | 2.06   | 33.07 | ---   | Peak     |
| 5   | 720.64  | 31.09  | -14.91 | 46.00 | 41.97       | 19.53 | 2.43   | 32.84 | ---   | Peak     |
| 6 * | 750.71  | 48.79  |        |       | 59.21       | 19.90 | 2.46   | 32.78 | ---   | Peak     |
| 7   | 768.17  | 30.97  | -15.03 | 46.00 | 41.29       | 19.88 | 2.53   | 32.73 | ---   | Peak     |
| 8   | 2020.00 | 47.01  | -26.99 | 74.00 | 44.40       | 32.41 | 3.31   | 33.11 | ---   | Peak     |
| 9   | 2940.00 | 46.95  | -27.05 | 74.00 | 42.87       | 33.64 | 4.01   | 33.57 | ---   | Peak     |
| 10  | 3546.00 | 48.39  | -25.61 | 74.00 | 43.14       | 34.45 | 4.49   | 33.69 | ---   | Peak     |
| 11  | 3904.00 | 49.05  | -24.95 | 74.00 | 43.12       | 34.92 | 4.62   | 33.61 | ---   | Peak     |
| 12  | 4680.00 | 49.93  | -24.07 | 74.00 | 43.46       | 35.15 | 5.12   | 33.80 | ---   | Peak     |
| 13  | 5992.00 | 49.72  | -24.28 | 74.00 | 41.93       | 35.60 | 5.89   | 33.70 | ---   | Peak     |

## 4. List of Measuring Equipment

| Instrument                           | Manufacturer | Model No. | Serial No.       | Characteristics            | Calibration Date | Test Date     | Due Date      | Remark                |
|--------------------------------------|--------------|-----------|------------------|----------------------------|------------------|---------------|---------------|-----------------------|
| EMI Receiver                         | R&S          | ESCI7     | 100768           | 9kHz~7GHz;                 | May 04, 2014     | May 30, 2014  | May 03, 2015  | Conduction (CO01-KS)  |
| AC LISN                              | MessTec      | AN3016    | 060103           | 9kHz~30MHz                 | Dec. 10, 2013    | May 30, 2014  | Dec. 09, 2014 | Conduction (CO01-KS)  |
| AC LISN<br>(for auxiliary equipment) | MessTec      | AN3016    | 060105           | 9kHz~30MHz                 | Dec. 10, 2013    | May 30, 2014  | Dec. 09, 2014 | Conduction (CO01-KS)  |
| AC Power Source                      | Chroma       | 61602     | ABP00000<br>0811 | AC 0V~300V,<br>45Hz~1000Hz | Nov. 12, 2013    | May 30, 2014  | Nov. 11, 2014 | Conduction (CO01-KS)  |
| EMI Test Receiver                    | R&S          | ESCI      | 100534           | 9kHz~3GHz                  | Nov. 05, 2013    | Jun. 07, 2014 | Nov. 04, 2014 | Radiation (03CH01-KS) |
| Spectrum Analyzer                    | R&S          | FSP30     | 101399           | 9kHz~30GHz                 | May 04, 2014     | Jun. 07, 2014 | May 03, 2015  | Radiation (03CH01-KS) |
| Bilog Antenna                        | SCHAFFNER    | CBL6112D  | 23182            | 25MHz~2GHz                 | Jan. 08, 2014    | Jun. 07, 2014 | Jan. 07, 2015 | Radiation (03CH01-KS) |
| Double Ridge Horn Antenna            | ETS-Lindgren | 3117      | 75959            | 1GHz~18GHz                 | Jan. 08, 2014    | Jun. 07, 2014 | Jan. 07, 2015 | Radiation (03CH01-KS) |
| Amplifier                            | com-power    | PA-103A   | 161073           | 1MHz~1GHz                  | May 04, 2014     | Jun. 07, 2014 | May 03, 2015  | Radiation (03CH01-KS) |
| Amplifier                            | Agilent      | 8449B     | 3008A023<br>71   | 1GHz~26.5GHz               | Dec. 10, 2013    | Jun. 07, 2014 | Dec. 09, 2014 | Radiation (03CH01-KS) |
| AC Power Source                      | Chroma       | 61601     | F1040900<br>04   | N/A                        | NCR              | Jun. 07, 2014 | NCR           | Radiation (03CH01-KS) |
| Turn Table                           | MF           | MF7802    | N/A              | 0~360 degree               | NCR              | Jun. 07, 2014 | NCR           | Radiation (03CH01-KS) |
| Antenna Mast                         | MF           | MF7802    | N/A              | 1 m~4 m                    | NCR              | Jun. 07, 2014 | NCR           | Radiation (03CH01-KS) |



## 5. Uncertainty of Evaluation

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

|                                                                          |      |
|--------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 2.26 |
|--------------------------------------------------------------------------|------|

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

|                                                                          |      |
|--------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 2.54 |
|--------------------------------------------------------------------------|------|