



# FCC Test Report

**APPLICANT** : ZTE CORPORATION  
**EQUIPMENT** : LTE/WCDMA/GSM Multi-Mode Digital  
Mobile Phone  
**BRAND NAME** : ZTE  
**MODEL NAME** : Z2332CC  
**FCC ID** : SRQ-Z2332CC  
**STANDARD** : 47 CFR Part 15 Subpart B  
**CLASSIFICATION** : Certification

The product was received on Jan. 09, 2019 and testing was completed on Mar. 08, 2019. 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 C63.4-2014 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.



Approved by: James Huang / Manager

**Sporton International (Kunshan) Inc.**  
**No. 1098, Pengxi North Road, Kunshan Economic Development Zone,**  
**Jiangsu Province 215335, China**



# TABLE OF CONTENTS

**REVISION HISTORY ..... 3**

**SUMMARY OF TEST RESULT ..... 4**

**1. GENERAL DESCRIPTION ..... 5**

    1.1. Applicant..... 5

    1.2. Manufacturer ..... 5

    1.3. Product Feature of Equipment Under Test ..... 5

    1.4. Product Specification of Equipment Under Test ..... 6

    1.5. Modification of EUT ..... 6

    1.6. Test Location ..... 7

    1.7. Applicable Standards ..... 7

**2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST ..... 8**

    2.1. Test Mode ..... 8

    2.2. Connection Diagram of Test System ..... 9

    2.3. Support Unit used in test configuration and system ..... 10

    2.4. EUT Operation Test Setup ..... 11

**3. TEST RESULT ..... 12**

    3.1. Test of AC Conducted Emission Measurement ..... 12

    3.2. Test of Radiated Emission Measurement ..... 17

**4. LIST OF MEASURING EQUIPMENT ..... 22**

**5. UNCERTAINTY OF EVALUATION ..... 23**

**APPENDIX A. SETUP PHOTOGRAPHS**



### REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC910901	Rev. 01	Initial issue of report	Apr. 19, 2019



### 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 4.34 dB at 2.567 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 5.94 dB at 408.300 MHz



# 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	
<b>Equipment</b>	LTE/WCDMA/GSM Multi-Mode Digital Mobile Phone
<b>Brand Name</b>	ZTE
<b>Model Name</b>	Z2332CC
<b>FCC ID</b>	SRQ-Z2332CC
<b>EUT supports Radios application</b>	GSM/GPRS/EGPRS/LTE/FM/GNSS WCDMA/HSPA/HSPA+ (16QAM uplink is not supported) Bluetooth BR/EDR/LE
<b>IMEI Code</b>	Conduction: 860686040002409 Radiation: 860686040003787
<b>HW Version</b>	Z2332CCHW1.0
<b>SW Version</b>	Z2332CCV1.0.0B01
<b>EUT Stage</b>	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

Standards-related Product Specification	
<b>Tx Frequency</b>	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 66 : 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5MHz Bluetooth: 2402 MHz ~ 2480 MHz
<b>Rx Frequency</b>	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 IV : 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 66 : 2110.7 MHz~ 2179.3 MHz LTE Band 71: 619.5 MHz ~ 649.5MHz Bluetooth: 2402 MHz ~ 2480 MHz GNSS : 1559 MHz ~ 1610 MHz
<b>Antenna Type</b>	WWAN : PIFA Antenna Bluetooth : PIFA Antenna GNSS: PIFA Antenna
<b>Type of Modulation</b>	GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA : BPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA : QPSK (Uplink) HSPA+ : 16QAM (uplink is not supported) LTE: QPSK / 16QAM / 64QAM(Downlink only) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK GNSS : BPSK

### 1.5. Modification of EUT

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



### 1.6. Test Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0).

<b>Test Site</b>	Sporton International (Kunshan) Inc.		
<b>Test Site Location</b>	No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335, China TEL : 86-512-57900158 FAX : 86-512-57900958		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC designation No.</b>	<b>FCC Test Firm Registration No.</b>
	CO01-KS 03CH02-KS	CN5013	630927

### 1.7. Applicable Standards

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

- ♦ 47 CFR Part 15 Subpart B
- ♦ ANSI C63.4-2014

**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 C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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

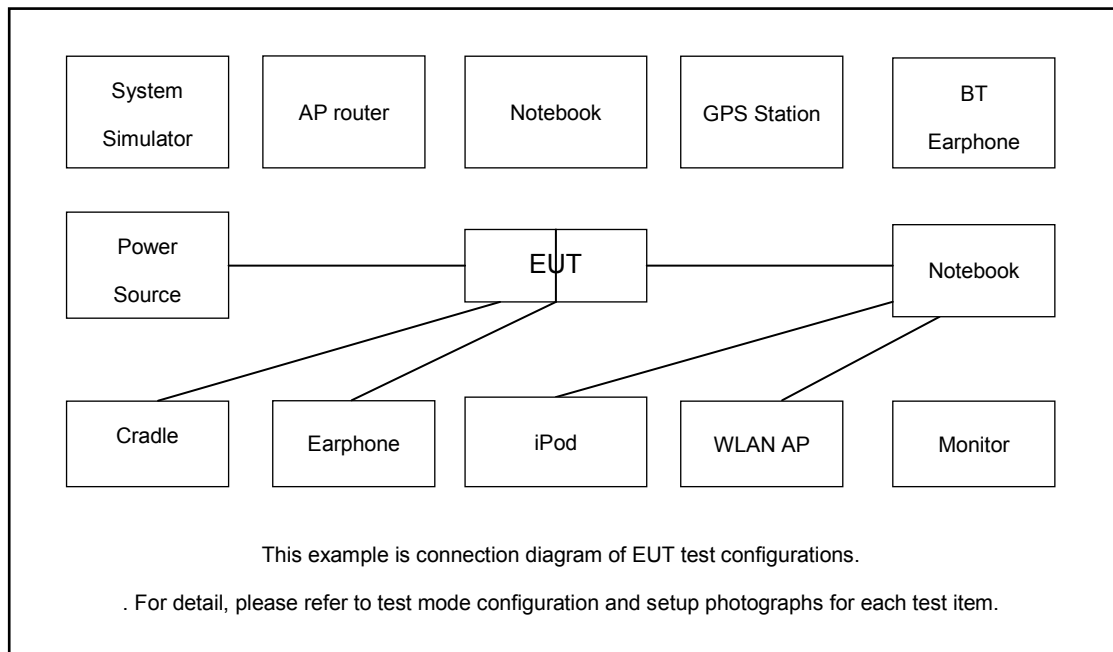
Test Items	Function Type
AC Conducted Emission	Mode 1: GSM 850 Rx(Middle) + Bluetooth Idle + USB Cable(Charging from Adapter 1) + Earphone + Camera(Rear) + Battery
	Mode 2: PCS 1900 Rx + Bluetooth Idle + USB Cable(Charging from Adapter 1) + Earphone + MPEG4 + Battery
	Mode 3: WCDMA Band V Rx(Low) + Bluetooth Idle + USB Cable(Charging from Adapter 1) + Earphone + FM Rx(98MHz) + Battery
	Mode 4: LTE Band 12 Rx(High) + Bluetooth Idle + USB Cable(Charging from Adapter 1) + Earphone + GNSS Rx + Battery
	Mode 5: LTE Band 71 Rx(Middle) + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + GNSS Rx + Battery
	Mode 6: LTE Band 12 Rx(High) + Bluetooth Idle + USB Cable(Charging from Adapter 2) + Earphone + GNSS Rx + Battery
Radiated Emissions	Mode 1: GSM 850 Rx(Middle) + Bluetooth Idle + Camera(Rear) + Earphone + Battery + USB Cable(Charging from Adapter 1)
	Mode 2: PCS 1900 Rx + Bluetooth Idle + MPEG4 + Earphone + Battery +USB Cable(Charging from Adapter 1)
	Mode 3: WCDMA Band V Rx(Low) + Bluetooth Idle + FM Rx(88MHz) + Earphone + Battery + USB Cable(Charging from Adapter 1)
	Mode 4: LTE Band 12 Rx(High) + Bluetooth Idle + GNSS Rx + Earphone + Battery + USB Cable(Charging from Adapter 1)
	Mode 5: LTE Band 71 Rx(Middle) + Bluetooth Idle + GNSS Rx + Earphone + Battery + USB Cable (Data Link with Notebook)
	Mode 6: GSM 850 Rx(Middle) + Bluetooth Idle + Camera(Rear) + Earphone + Battery + USB Cable(Charging from Adapter 2)

**Remark:**

1. The worst case of AC is mode 4; only the test data of this mode is reported.
2. The worst case of RE is mode 1; only the test data of this mode is reported.
3. Data Link with Notebook means data application transferred mode between EUT and Notebook.
4. Pre-scanned Low/Middle/High channel for GSM850/WCDMA Band V/LTE Band 12/71, the worst channel was recorded in this report.



## 2.2.Connection Diagram of Test System





### 2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
3.	Notebook	Lenovo	G480	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m
4.	Router	LINKSYS	WRT600N	Q87-WRT600NV11	N/A	shielded cable DC O/P1.8m , Unshielded AC I/P1.8m
5.	Earphone	Lenovo	LH102	N/A	Unshielded,1.2m	N/A
6.	Vector Signal Generator	R&S	SMBV100A	258305	N/A	N/A
7.	iPod	Apple	A1199	Fcc DoC	Shielded, 1.2m	N/A
8.	SD Card	Kingston	SDC4/4GB	N/A	N/A	N/A
9.	Router	TP-LINK	TL-WDR5600	N/A	N/A	Unshielded,1.8m
10.	Bluetooth Earphone	Lenovo	LYEJ02LM	N/A	N/A	N/A
11.	Notebook	DELL	MT320	N/A	N/A	shielded cable DC O/P 1.8m , Unshielded AC I/P cable 1.8m



## **2.4. EUT Operation Test Setup**

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

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

1. Data application is transferred between Notebook and EUT via USB cable.
2. Make the EUT receive continuous signals from GNSS station.
3. Execute "Video Media Player" to play MPEG4 files.
4. Turn on camera to capture images.
5. Make the EUT receive continuous signals from FM station.



### 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.

<Class B Limit>

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 (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

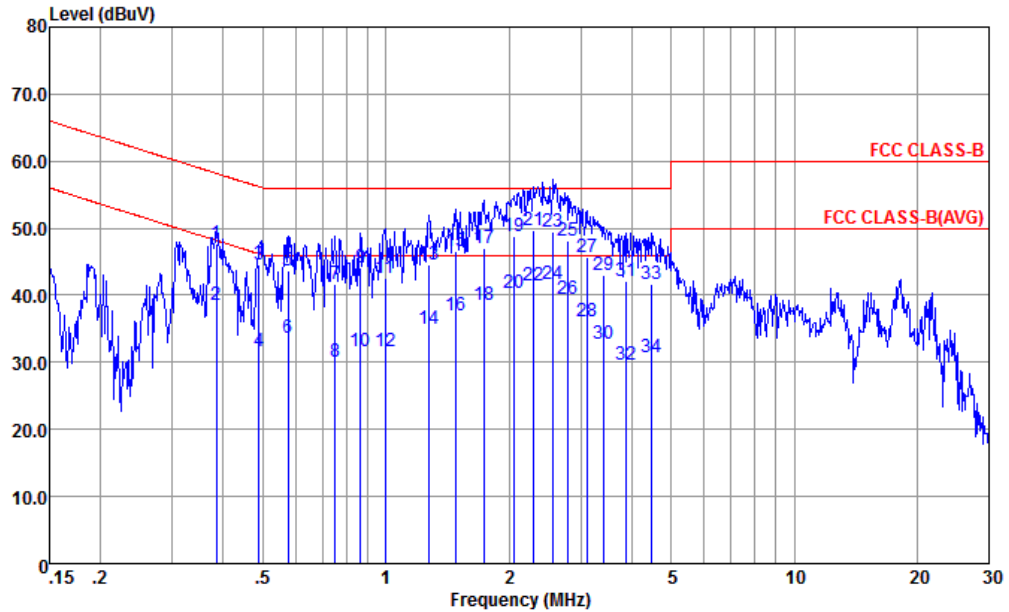
### 3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Engineer :	Amos Zhang	Temperature :	23.6~24.2 °C
		Relative Humidity :	31~33%
Test Voltage :	120Vac / 60Hz	Phase :	Line



Site : CO01-KS  
 Condition : FCC CLASS-B LISN-L-181119-060105 LINE

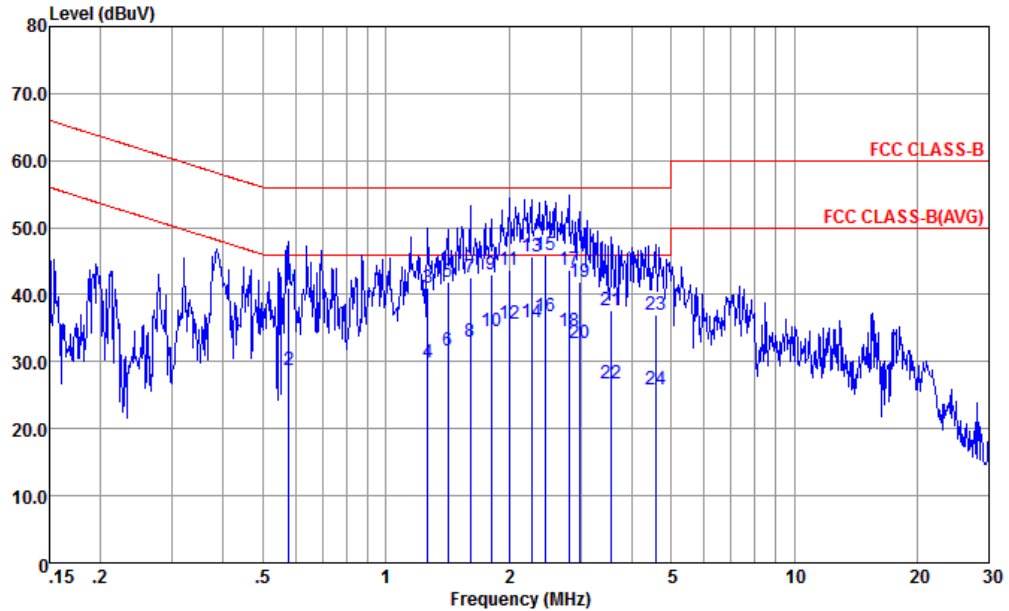
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.385	47.63	-10.54	58.17	37.20	0.16	10.27	QP
2	0.385	38.63	-9.54	48.17	28.20	0.16	10.27	Average
3	0.489	44.61	-11.58	56.19	34.20	0.17	10.24	QP
4	0.489	31.61	-14.58	46.19	21.20	0.17	10.24	Average
5	0.576	43.61	-12.39	56.00	33.19	0.18	10.24	QP
6	0.576	33.71	-12.29	46.00	23.29	0.18	10.24	Average
7	0.751	41.63	-14.37	56.00	31.20	0.19	10.24	QP
8	0.751	30.03	-15.97	46.00	19.60	0.19	10.24	Average
9	0.866	44.03	-11.97	56.00	33.59	0.20	10.24	QP
10	0.866	31.63	-14.37	46.00	21.19	0.20	10.24	Average
11	0.994	42.63	-13.37	56.00	32.20	0.20	10.23	QP
12	0.994	31.63	-14.37	46.00	21.20	0.20	10.23	Average
13	1.276	44.64	-11.36	56.00	34.20	0.21	10.23	QP
14	1.276	35.04	-10.96	46.00	24.60	0.21	10.23	Average
15	1.487	46.64	-9.36	56.00	36.20	0.21	10.23	QP
16	1.487	37.04	-8.96	46.00	26.60	0.21	10.23	Average
17	1.734	47.04	-8.96	56.00	36.59	0.22	10.23	QP



18	1.734	38.64	-7.36	46.00	28.19	0.22	10.23	Average
19	2.066	48.75	-7.25	56.00	38.30	0.22	10.23	QP
20	2.066	40.35	-5.65	46.00	29.90	0.22	10.23	Average
21	2.297	49.66	-6.34	56.00	39.21	0.22	10.23	QP
22	2.297	41.36	-4.64	46.00	30.91	0.22	10.23	Average
23	2.567	49.36	-6.64	56.00	38.89	0.23	10.24	QP
24 *	2.567	41.66	-4.34	46.00	31.19	0.23	10.24	Average
25	2.779	48.07	-7.93	56.00	37.60	0.23	10.24	QP
26	2.779	39.37	-6.63	46.00	28.90	0.23	10.24	Average
27	3.107	45.68	-10.32	56.00	35.21	0.23	10.24	QP
28	3.107	36.08	-9.92	46.00	25.61	0.23	10.24	Average
29	3.417	43.08	-12.92	56.00	32.59	0.24	10.25	QP
30	3.417	32.68	-13.32	46.00	22.19	0.24	10.25	Average
31	3.860	42.09	-13.91	56.00	31.60	0.24	10.25	QP
32	3.860	29.69	-16.31	46.00	19.20	0.24	10.25	Average
33	4.478	41.71	-14.29	56.00	31.20	0.25	10.26	QP
34	4.478	30.71	-15.29	46.00	20.20	0.25	10.26	Average



Test Engineer :	Amos Zhang	Temperature :	23.6~24.2 °C
		Relative Humidity :	31~33%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral



Site : CO01-KS  
 Condition : FCC CLASS-B LISN-N-181119-060105 NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.579	40.98	-15.02	56.00	30.60	0.14	10.24	QP
2	0.579	28.68	-17.32	46.00	18.30	0.14	10.24	Average
3	1.269	40.97	-15.03	56.00	30.60	0.14	10.23	QP
4	1.269	29.97	-16.03	46.00	19.60	0.14	10.23	Average
5	1.418	41.97	-14.03	56.00	31.60	0.14	10.23	QP
6	1.418	31.67	-14.33	46.00	21.30	0.14	10.23	Average
7	1.610	42.67	-13.33	56.00	32.30	0.14	10.23	QP
8	1.610	32.97	-13.03	46.00	22.60	0.14	10.23	Average
9	1.810	42.98	-13.02	56.00	32.60	0.15	10.23	QP
10	1.810	34.48	-11.52	46.00	24.10	0.15	10.23	Average
11	2.001	43.68	-12.32	56.00	33.30	0.15	10.23	QP
12	2.001	35.58	-10.42	46.00	25.20	0.15	10.23	Average
13	2.273	45.59	-10.41	56.00	35.21	0.15	10.23	QP
14	2.273	35.89	-10.11	46.00	25.51	0.15	10.23	Average
15	2.461	45.99	-10.01	56.00	35.60	0.16	10.23	QP
16 *	2.461	36.69	-9.31	46.00	26.30	0.16	10.23	Average
17	2.809	43.60	-12.40	56.00	33.20	0.16	10.24	QP
18	2.809	34.60	-11.40	46.00	24.20	0.16	10.24	Average
19	2.993	42.00	-14.00	56.00	31.60	0.16	10.24	QP
20	2.993	32.70	-13.30	46.00	22.30	0.16	10.24	Average
21	3.565	37.62	-18.38	56.00	27.20	0.17	10.25	QP
22	3.565	26.72	-19.28	46.00	16.30	0.17	10.25	Average
23	4.574	37.04	-18.96	56.00	26.60	0.18	10.26	QP
24	4.574	25.74	-20.26	46.00	15.30	0.18	10.26	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:

<Class B Limit>

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**

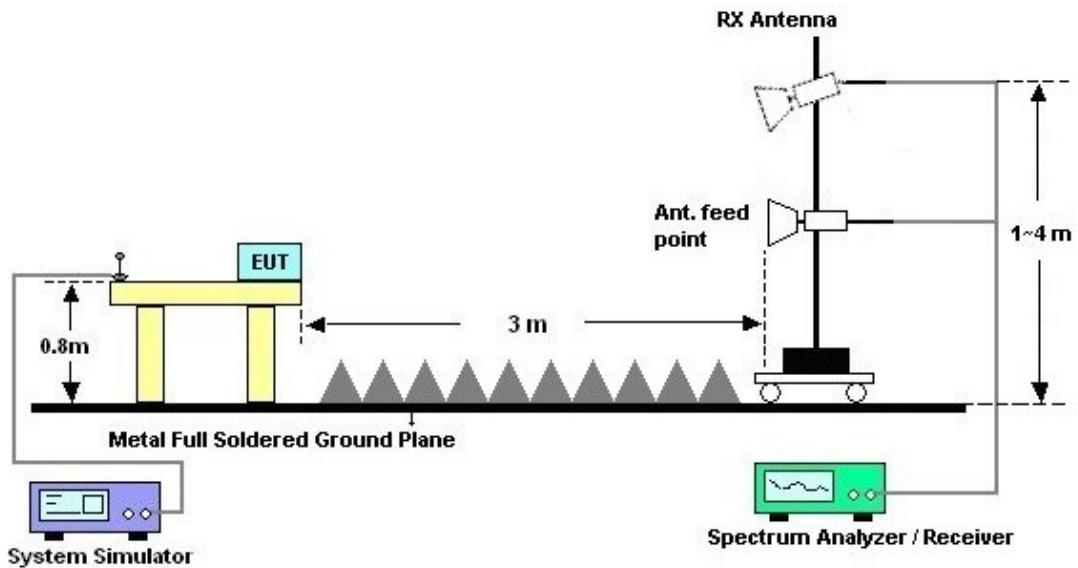
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a Bi-Log antenna and its 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 (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
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



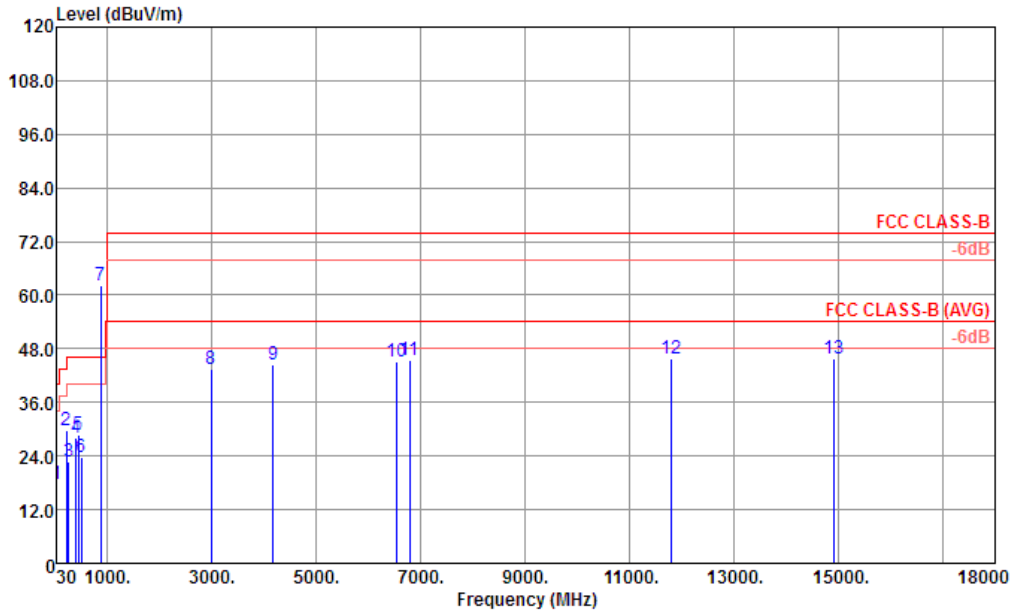
For radiated emissions above 1GHz





3.2.5. Test Result of Radiated Emission

Test Engineer :	Jack Guo	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Remark :	#7 is system simulator signal which can be ignored.		

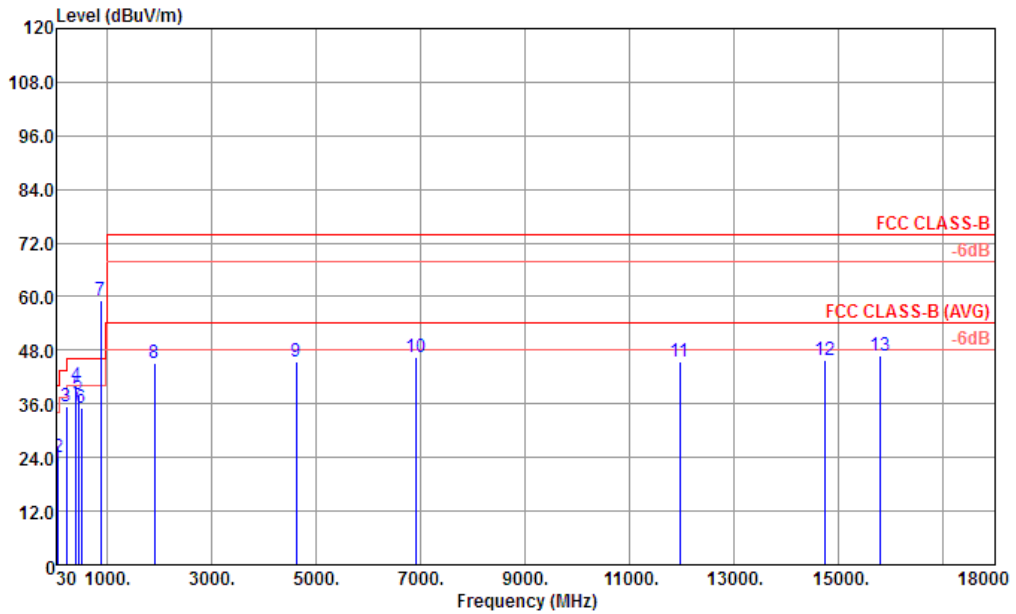


Site : 03CH02-KS  
 Condition : FCC CLASS-B 3m LF 23182-3M HORIZONTAL

	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	dB			
1	30.00	17.84	-22.16	40.00	26.38	22.80	0.64	31.98	---	Peak
2	216.24	29.88	-16.12	46.00	43.84	16.25	1.71	31.92	100	Peak
3	263.77	22.79	-23.21	46.00	34.42	18.47	1.89	31.99	---	Peak
4	408.30	28.18	-17.82	46.00	36.18	21.86	2.27	32.13	---	Peak
5	455.83	28.65	-17.35	46.00	35.79	22.68	2.40	32.22	---	Peak
6	504.33	23.76	-22.24	46.00	30.03	23.43	2.57	32.27	---	Peak
7 *	881.66	62.09			63.57	26.69	3.41	31.58	---	Peak
8	2992.00	43.30	-30.70	74.00	42.06	31.99	6.30	37.05	---	Peak
9	4184.00	44.53	-29.47	74.00	38.97	34.40	7.61	36.45	---	Peak
10	6536.00	44.97	-29.03	74.00	37.02	35.02	9.63	36.70	---	Peak
11	6800.00	45.31	-28.69	74.00	37.13	35.03	9.88	36.73	---	Peak
12	11808.00	45.91	-28.09	74.00	30.90	38.25	13.72	36.96	---	Peak
13	14913.00	45.95	-28.05	74.00	25.85	40.38	15.61	35.89	---	Peak



Test Engineer :	Jack Guo	Temperature :	21~22°C
		Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH02-KS  
 Condition : FCC CLASS-B 3m LF 23182-3M VERTICAL

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	47.46	21.98	-18.02	40.00	38.61	14.50	0.81	31.94	---	---	Peak
2	67.83	24.13	-15.87	40.00	43.48	11.60	0.98	31.93	---	---	Peak
3	216.24	35.54	-10.46	46.00	49.50	16.25	1.71	31.92	---	---	Peak
4	408.30	40.06	-5.94	46.00	48.06	21.86	2.27	32.13	100	0	Peak
5	455.83	38.26	-7.74	46.00	45.40	22.68	2.40	32.22	---	---	Peak
6	504.33	34.96	-11.04	46.00	41.23	23.43	2.57	32.27	---	---	Peak
7 *	881.66	59.31			60.79	26.69	3.41	31.58	---	---	Peak
8	1912.00	44.99	-29.01	74.00	47.43	29.80	4.98	37.22	---	---	Peak
9	4616.00	45.39	-28.61	74.00	39.27	34.77	7.97	36.62	---	---	Peak
10	6912.00	46.37	-27.63	74.00	38.08	35.07	9.93	36.71	---	---	Peak
11	11961.00	45.54	-28.46	74.00	30.46	38.37	13.78	37.07	---	---	Peak
12	14751.00	45.88	-28.12	74.00	25.84	40.19	15.60	35.75	---	---	Peak
13	15813.00	46.80	-27.20	74.00	25.88	40.91	16.66	36.65	---	---	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;	Apr. 19, 2018	Mar. 08, 2019	Apr. 18, 2019	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 12, 2018	Mar. 08, 2019	Oct. 11, 2019	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Nov. 22, 2018	Mar. 08, 2019	Nov. 21, 2019	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 12, 2018	Mar. 08, 2019	Oct. 11, 2019	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Aug. 08, 2018	Mar. 07, 2019	Aug. 07, 2019	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150208	10Hz~44G,MAX 30dB	Oct. 10, 2018	Mar. 07, 2019	Oct. 09, 2019	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz~2GHz	Dec. 29, 2018	Mar. 07, 2019	Dec. 28, 2019	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 27, 2019	Mar. 07, 2019	Jan. 26, 2020	Radiation (03CH02-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Jan. 05, 2019	Mar. 07, 2019	Jan. 04, 2020	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 06, 2018	Mar. 07, 2019	Aug. 05, 2019	Radiation (03CH02-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5G Hz	Apr. 18, 2018	Mar. 07, 2019	Apr. 17, 2019	Radiation (03CH02-KS)
Amplifier	MITEQ	TTA1840-35-H G	2014749	18~40GHz	Jan. 14, 2019	Mar. 07, 2019	Jan. 13, 2020	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	61601000247 3	N/A	NCR	Mar. 07, 2019	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Mar. 07, 2019	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Mar. 07, 2019	NCR	Radiation (03CH02-KS)

NCR: No Calibration Required



## 5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.9dB
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.8 dB
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.2 dB
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