

FCC Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : CDMA/LTE Tablet
BRAND NAME : ZTE
MODEL NAME : V68
FCC ID : Q78-V68
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

The product was received on Sep. 08, 2011 and completely tested on Jan. 27, 2012. We, SPORTON INTERNATIONAL (KUNSAHN) 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 the 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:



Jones Tsai / Manager



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



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. Feature of Equipment Under Test..... 6

 1.4. Test Site 7

 1.5. Applied Standards 7

 1.6. Ancillary Equipment List..... 7

2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST 8

 2.1. Test Mode 8

 2.2. Connection Diagram of Test System 10

 2.3. Test Software 12

3. TEST RESULT 13

 3.1. Test of AC Conducted Emission Measurement 13

 3.2. Test of Radiated Emission Measurement 17

4. LIST OF MEASURING EQUIPMENT 21

5. UNCERTAINTY OF EVALUATION 22

APPENDIX A. PHOTOGRAPHS OF EUT

APPENDIX B. SETUP PHOTOGRAPHS



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 12.29 dB at 1.75 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 4.53 dB at 37.29 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. Feature of Equipment Under Test

Product Feature & Specification	
Equipment	CDMA/LTE Tablet
Brand Name	ZTE
Model Name	V68
FCC ID	Q78-V68
Tx Frequency Range	CDMA2000 BC0 : 824 MHz ~ 849 MHz CDMA2000 BC1 : 1850 MHz ~ 1910 MHz LTE Band 13 : 777 MHz ~ 787 MHz Bluetooth : 2402 MHz ~ 2480 MHz 802.11b/g/n : 2400 MHz ~ 2483.5 MHz 802.11a/n : 5150~5250MHz 5725~5825MHz
Rx Frequency Range	CDMA2000 BC0 : 869 ~ 894 MHz CDMA2000 BC1 : 1930 ~ 1990 MHz LTE Band 13 : 746 MHz ~ 756 MHz Bluetooth : 2400 MHz ~ 2483.5 MHz 802.11b/g/n : 2400 MHz ~ 2483.5 MHz 802.11a/n : 5150~5250MHz 5725~5825MHz GPS : 1.57542 GHz
Antenna Type	WWAN : Fixed Internal Antenna LTE : PIFA Antenna Bluetooth : PIFA Antenna WLAN : PIFA Antenna
HW Version	V2.1
SW Version	V68_V1.12
Type of Modulation	CDMA2000 : QPSK LTE : QPSK, 16QAM (Uplink) Bluetooth (1Mbps) : GFSK Bluetooth EDR (2Mbps) : $\pi/4$ -DQPSK Bluetooth EDR (3Mbps) : 8-DPSK 802.11b : DSSS (BPSK / QPSK / CCK) 802.11a/g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) GPS : BPSK
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. Test Site

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/IC Registration No.
	CO01-KS	03CH01-KS	149928/4086E-1

1.5. 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:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This report is intention of applying for FCC 15B certification only.

1.6. Ancillary Equipment List

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.	PC	DELL	MT380	FCC DoC	N/A	Unshielded, 1.8 m
3.	Monitor	DELL	E1910Hc	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
4.	(USB) Mouse	DELL	MO56UC	FCC DoC	Shielded, 1.8 m	N/A
5.	(USB) Keyboard	DELL	L100	FCC DoC	Shielded, 1.8 m with Core	N/A
6.	Printer	HP	Laser Jet 1018	FCC DoC	Shielded, 1.8 m	Unshielded, 1.8 m
7.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A
8.	GPS Station	T&E	GS-50	N/A	N/A	Unshielded, 1.8 m
9.	Router	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
10.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
11.	LTE Station	Anritsu	MT8820G	N/A	N/A	Unshielded, 1.8 m

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 with PC)	☒	☒	☒

Abbreviations:

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

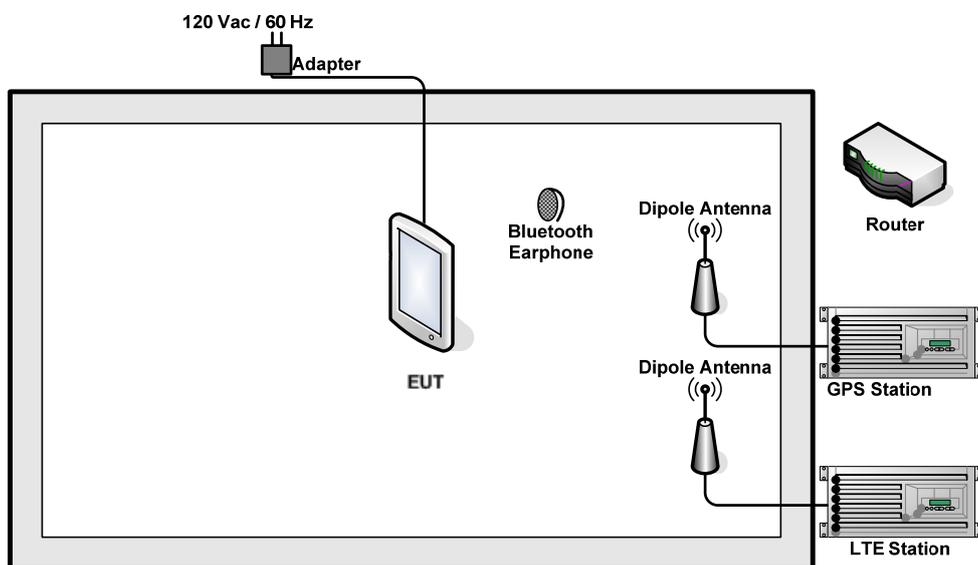
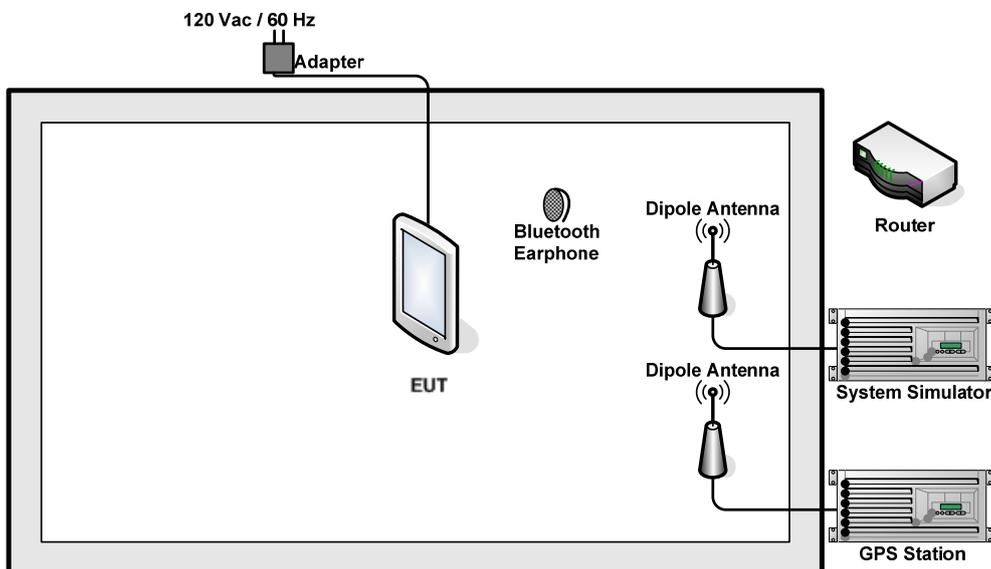
Note 1: Testing for this mode is not required or not the worst case.



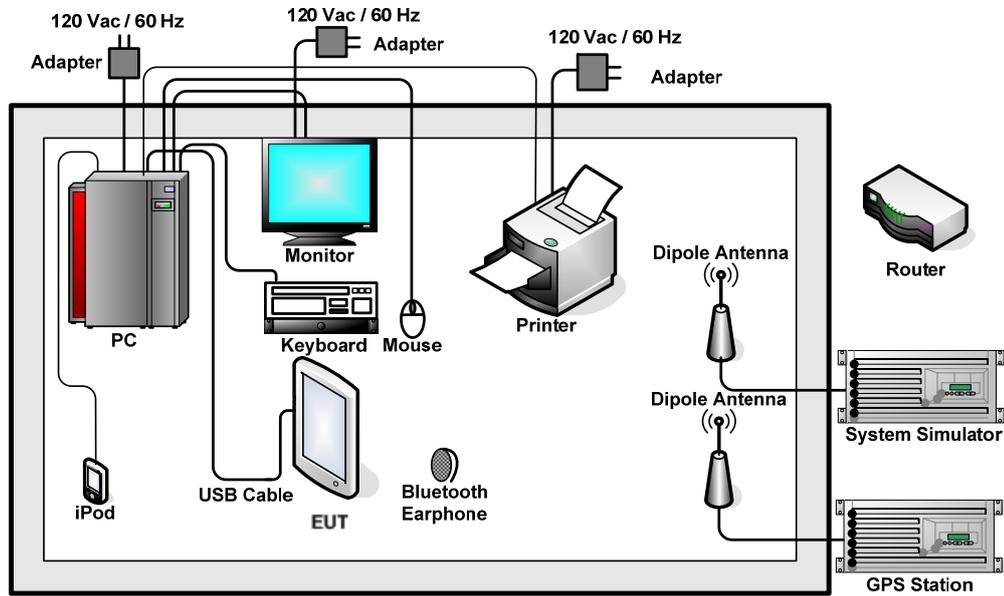
Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1/2	Mode 1: CDMA 850 Idle + Adapter + Bluetooth Idle + WLAN Idle + GPS Rx Mode 2: CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC) Mode 3: LTE Idle (Band 13) + Adapter + Bluetooth Idle + WLAN Idle + GPS Rx
Radiated Emissions < 1GHz	1/2	Mode 1: CDMA 850 Idle + Adapter + Bluetooth Idle + WLAN Idle + GPS Rx Mode 2: CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC) Mode 3: LTE Idle (Band 13) + Adapter + Bluetooth Idle + WLAN Idle + GPS Rx
Radiated Emissions ≥ 1GHz	2	Mode 1: CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC)
Remark: <ol style="list-style-type: none">1. The worst case of AC Conducted Emission is mode 2; only the test data of this mode was reported.2. The worst case of RE < 1G is mode 2; only the test data of this mode was reported.3. Link with PC means data application transferred mode between EUT and PC.		

2.2. Connection Diagram of Test System

<EUT with Adapter Mode>



<EUT with USB Cable (Link with PC) Mode>





2.3. Test Software

The EUT was in CDMA2000 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 or Router, and the following programs installed in the EUT were programmed during the test.

1. Execute the program, "Copy.exe", installed in PC for active sync files transfer with EUT via USB cable / iPod.
2. To make the EUT transmit and receive signals from base station continuously.
3. Turn on GPS function to make the EUT receive signals from GPS station continuously.
4. Turn on LTE function to make the EUT transmit and receive signals from LTE station continuously.

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.

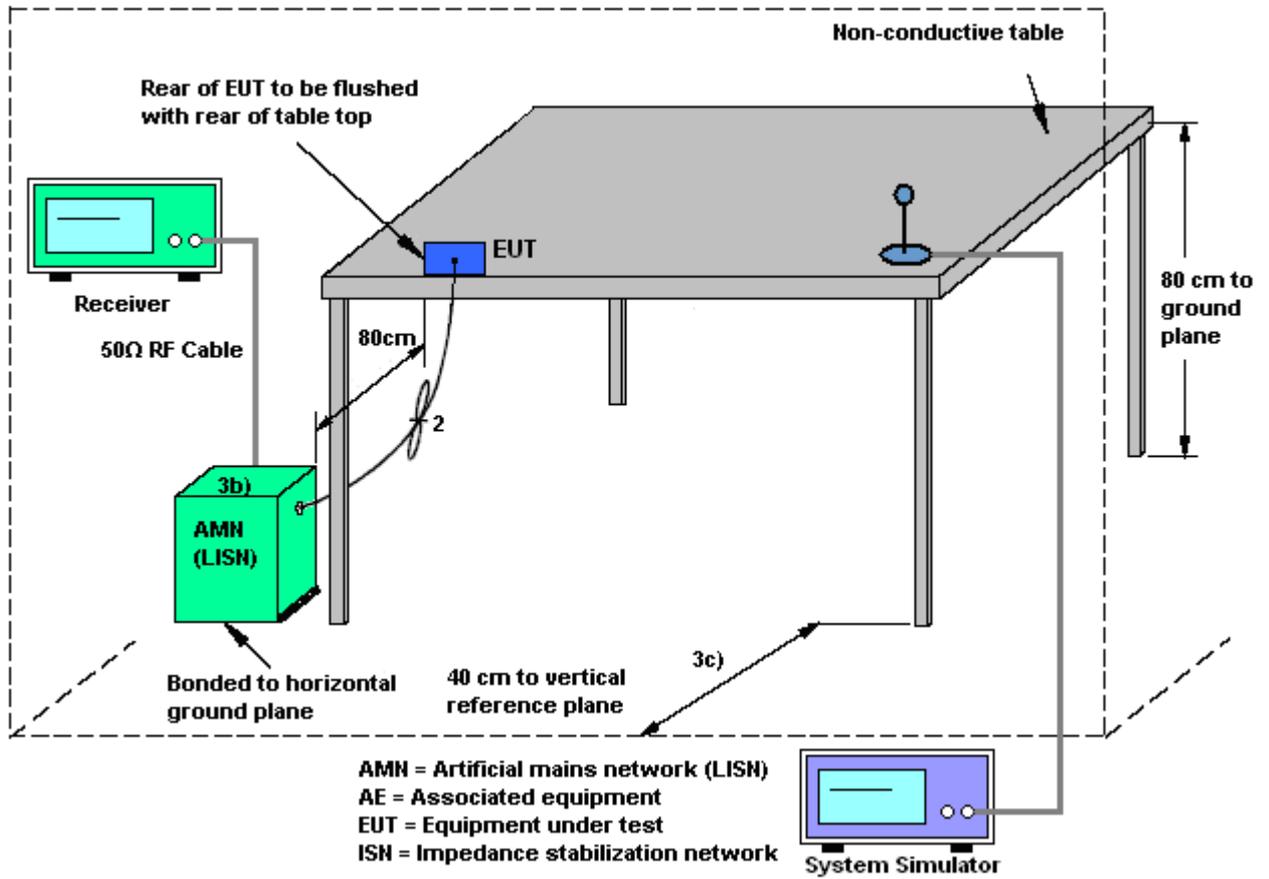
3.1.2 Measuring Instruments

See list of measuring instruments 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. The EUT link with PC, connect PC 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.

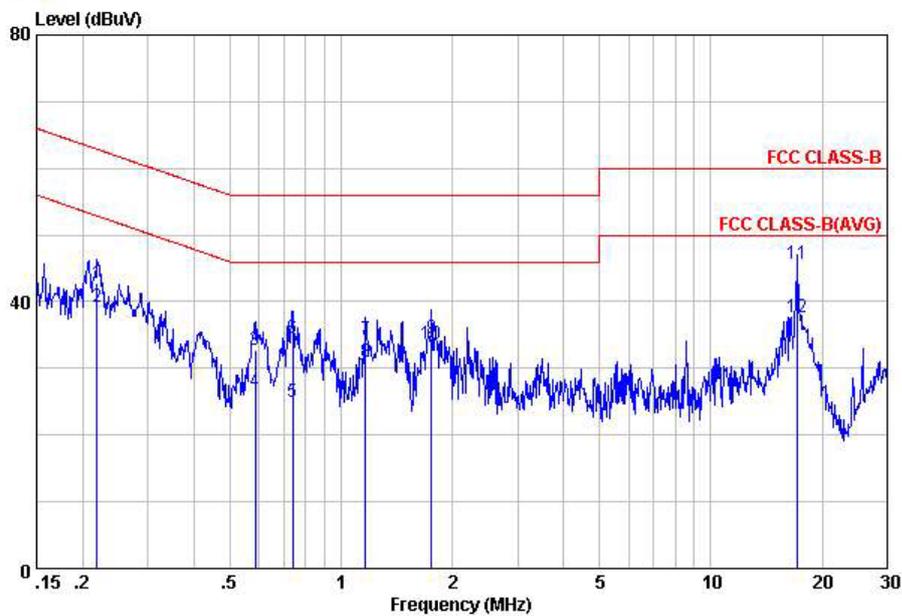
3.1.4 Test Setup





3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Jack Li	Relative Humidity :	40~41%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

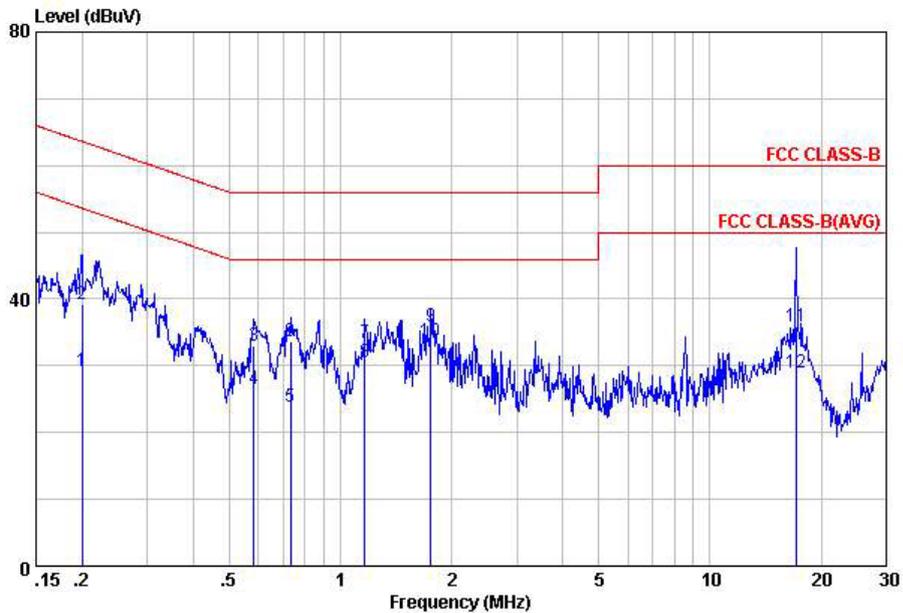


Site : C001-KS
 Condition: FCC CLASS-B LISN-100807 LINE
 Project : (FD) 190807
 mode : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.22	42.88	-20.00	62.88	32.80	-0.07	10.15	QP
2	0.22	39.28	-13.60	52.88	29.20	-0.07	10.15	Average
3	0.59	32.74	-23.26	56.00	22.60	-0.08	10.22	QP
4	0.59	26.44	-19.56	46.00	16.30	-0.08	10.22	Average
5	0.74	24.85	-21.15	46.00	14.70	-0.09	10.24	Average
6	0.74	34.45	-21.55	56.00	24.30	-0.09	10.24	QP
7	1.17	34.37	-21.63	56.00	24.19	-0.10	10.28	QP
8	1.17	31.07	-14.93	46.00	20.89	-0.10	10.28	Average
9	1.75	34.61	-21.39	56.00	24.40	-0.11	10.32	QP
10	1.75	33.71	-12.29	46.00	23.50	-0.11	10.32	Average
11	17.11	45.76	-14.24	60.00	35.21	0.02	10.53	QP
12	17.11	37.66	-12.34	50.00	27.11	0.02	10.53	Average



Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Jack Li	Relative Humidity :	40~41%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC)		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : C001-KS
 Condition: FCC CLASS-B LISN-100807 NEUTRAL
 Project : (FD) 190807
 mode : Mode 2

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.20	29.18	-24.44	53.62	19.10	-0.07	10.15	Average
2	0.20	39.28	-24.34	63.62	29.20	-0.07	10.15	QP
3	0.58	32.94	-23.06	56.00	22.80	-0.08	10.22	QP
4	0.58	26.54	-19.46	46.00	16.40	-0.08	10.22	Average
5	0.73	23.86	-22.14	46.00	13.70	-0.08	10.24	Average
6	0.73	33.66	-22.34	56.00	23.50	-0.08	10.24	QP
7	1.17	33.38	-22.62	56.00	23.19	-0.09	10.28	QP
8	1.17	30.48	-15.52	46.00	20.29	-0.09	10.28	Average
9	1.75	35.91	-20.09	56.00	25.70	-0.11	10.32	QP
10	1.75	33.61	-12.39	46.00	23.40	-0.11	10.32	Average
11	17.11	35.84	-24.16	60.00	25.30	0.01	10.53	QP
12	17.11	28.94	-21.06	50.00	18.40	0.01	10.53	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 (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

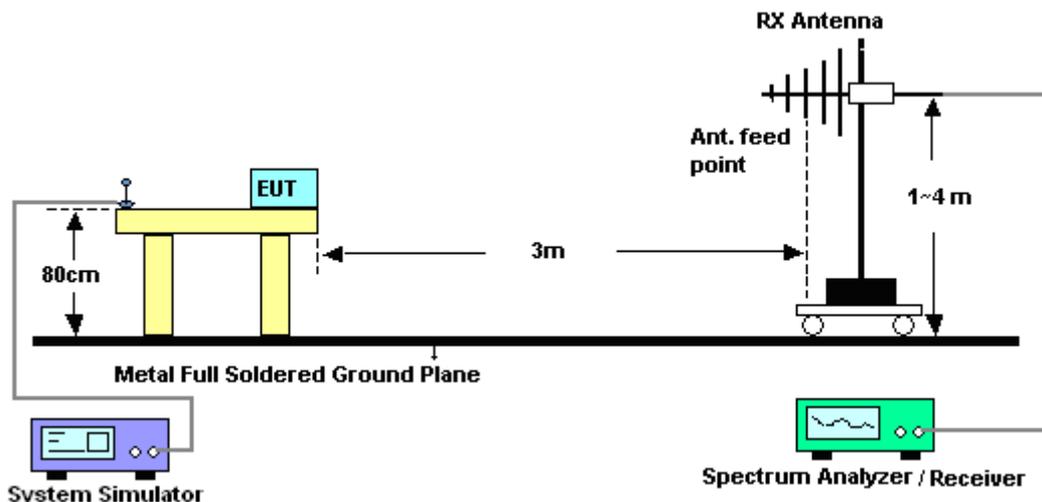
3.2.2. Measuring Instruments

See list of measuring instruments 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 meter and 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, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported
8. Emission level (dBuV/m) = 20 log Emission level (uV/m)
9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

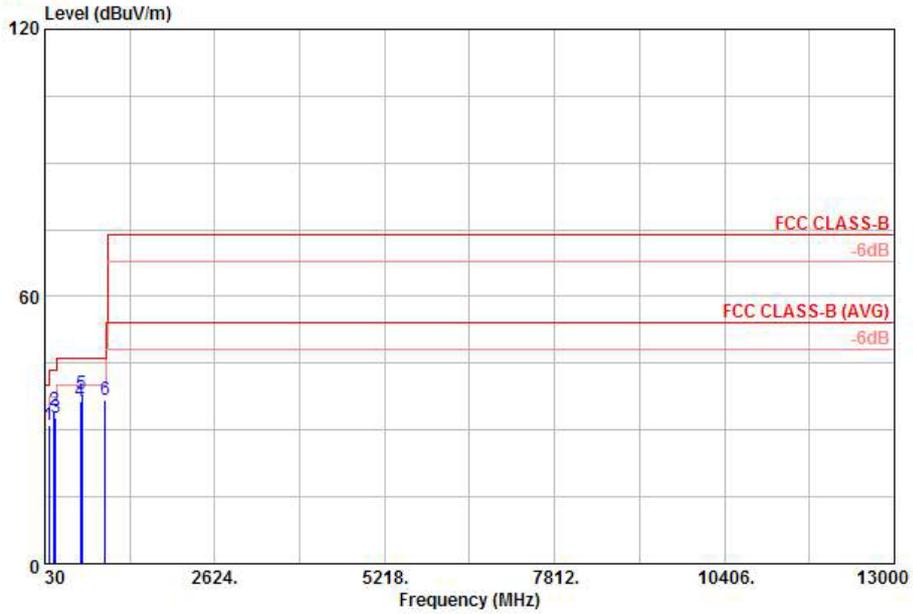
3.2.4. Test Setup of Radiated Emission





3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Jack Li	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC)		

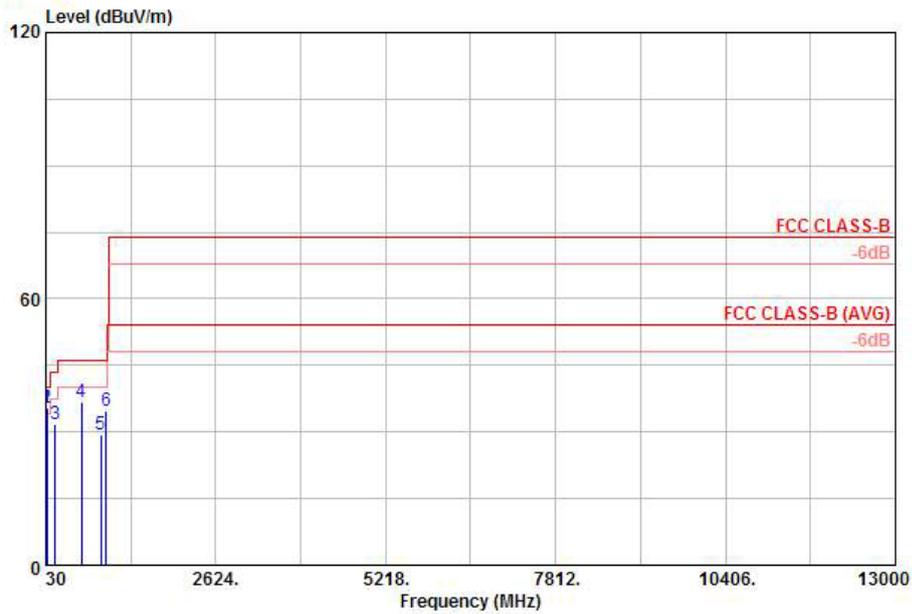


Site : 03CH01-KS
 Condition: FCC CLASS-B 3m LF_ANT_100803 HORIZONTAL
 Project : (FD) 190807
 Mode : mode 2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	95.88	31.08	-12.42	43.50	50.74	9.91	0.40	29.97	---	Peak
2	167.97	34.56	-8.94	43.50	54.67	9.27	0.54	29.92	---	Peak
3	192.00	32.80	-10.70	43.50	53.59	8.59	0.58	29.96	---	Peak
4	575.80	36.45	-9.55	46.00	46.51	18.55	1.04	29.65	---	Peak
5	594.00	38.14	-7.86	46.00	48.12	18.59	1.06	29.63	200	0 Peak
6	946.80	36.72	-9.28	46.00	44.21	20.72	1.33	29.54	---	Peak



Test Mode :	Mode 2	Temperature :	22~23°C
Test Engineer :	Jack Li	Relative Humidity :	41~42%
Test Distance :	3m	Polarization :	Vertical
Function Type :	CDMA 1900 Idle + Bluetooth Idle + WLAN Idle + GPS Rx + USB Cable (Data Link with PC)		



Site : 03CH01-KS
 Condition: FCC CLASS-B 3m LF_ANT_100803 VERTICAL
 Project : (FD) 190807
 Mode : mode 2

	Freq	Level	Over	Limit	Readantenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 !	37.29	35.47	-4.53	40.00	51.59	13.70	0.24	30.06	122	349 Peak
2 !	50.79	35.40	-4.60	40.00	57.85	7.40	0.28	30.13	---	---
3	167.97	31.70	-11.80	43.50	51.81	9.27	0.54	29.92	---	---
4	575.80	36.67	-9.33	46.00	46.73	18.55	1.04	29.65	---	---
5	872.60	29.36	-16.64	46.00	37.17	20.48	1.29	29.58	---	---
6	951.00	34.87	-11.13	46.00	42.35	20.73	1.33	29.54	---	---



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	Jun. 02, 2011	Jan. 27, 2012	Jun. 01, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	N/A	Nov. 16, 2011	Jan. 27, 2012	Nov. 15, 2012	Conduction (CO01-KS)
System Simulator	R&S	CMU200	837587/066	2G Full-Band	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Conduction (CO01-KS)
GPS Station	T&E	GS-50	N/A	N/A	N/A	Jan. 27, 2012	N/A	Conduction (CO01-KS)
LTE Station	Anritsu	MT8820G	6201004611	400MHz~2700M Hz	N/A	Jan. 27, 2012	N/A	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 09, 2011	Jan. 27, 2012	Nov. 08, 2012	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 08, 2011	Jan. 27, 2012	Dec. 07, 2012	Radiation (03CH01-KS)
Loop Antenna	R&S	HFH2-Z2	860004/00	9 kHz~30 MHz	Jul. 28, 2011	Jan. 27, 2012	Jul. 27, 2012	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 06, 2012	Jan. 27, 2012	Jan. 05, 2013	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060007	30MHz~2GHz	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Active Horn Antenna	com-power	AHA-118	701023	1GHz~18GHz	Nov. 07, 2011	Jan. 27, 2012	Nov. 06, 2012	Radiation (03CH01-KS)
SHE-EHF Horn	Schwarzbeck	BBHA9170	BBHA170249	15GHz~40GHz	Oct. 11, 2011	Jan. 27, 2012	Oct. 10, 2012	Radiation (03CH01-KS)
GPS Station	T&E	GS-50	N/A	N/A	N/A	Jan. 27, 2012	N/A	Radiation (03CH01-KS)
LTE Station	Anritsu	MT8820G	6201004611	400MHz~2700M Hz	Aug. 12, 2011	Jan. 27, 2012	Aug. 11, 2012	Radiation (03CH01-KS)
System Simulator	R&S	CMU200	837587/066	2G Full-Band	Dec. 30, 2011	Jan. 27, 2012	Dec. 29, 2012	Radiation (03CH01-KS)

5. Uncertainty of Evaluation

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

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.10	Normal (k=2)	0.05
Cable Loss	0.10	Normal (k=2)	0.05
AMN Insertion Loss	2.50	Rectangular	0.63
Receiver Specification	1.50	Rectangular	0.43
Site Imperfection	1.39	Rectangular	0.80
Mismatch	+0.34 / -0.35	U-Shape	0.24
Combined Standard Uncertainty $Uc(y)$	1.13		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.26		

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

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.41	Normal (k=2)	0.21
Antenna Factor Calibration	0.83	Normal (k=2)	0.42
Cable Loss Calibration	0.25	Normal (k=2)	0.13
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14
RCV/SPA Specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site Imperfection	1.43	Rectangular	0.83
Mismatch	+0.39 / -0.41	U-Shape	0.28
Combined Standard Uncertainty $Uc(y)$	1.27		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.54		

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Contribution	Uncertainty of X_i		$u(X_i)$	C_i	$C_i * u(X_i)$
	dB	Probability Distribution			
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site Imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20\text{Log}(1-\Gamma_1*\Gamma_2)$	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty $U_c(y)$	2.36				
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.72				



Appendix A. Photographs of EUT

Please refer to Sporton report number EP190807 as below.