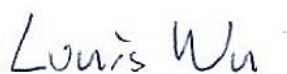


FCC Test Report

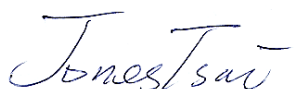
APPLICANT : LG Electronics Inc.
EQUIPMENT : Mobile Phone
BRAND NAME : LG
MODEL NAME : LG-X130g, X130g, LGX130g
MARKETING NAME : X130g
FCC ID : ZNFX130G
STANDARD : FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION : Certification

The product was testing completed on May 22, 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 C63.4-2009 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
FC442906	Rev. 01	Initial issue of report	Jun. 05, 2014

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 9.25 dB at 4.700 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 7.27 dB at 239.520 MHz

1. General Description

1.1. Applicant

LG Electronics Inc.

60-39, Gasan-dong, Gumcheon-gu, Seoul, 153-023, Korea

1.2. Manufacturer

Arima Communication Corp.

6F, No.866, Jhongjheng Rd., Jhonghe Dist., New Taipei City 23586, Taiwan

1.3. Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	LG
Model Name	LG-X130g, X130g, LGX130g
Marketing Name	X130g
FCC ID	ZNFX130G
EUT supports Radios application	GSM/GPRS/EGPRS(Downlink Only) WCDMA/HSPA WLAN2.4GHz 802.11b/g/n HT20/HT40 Bluetooth v3.0 + EDR/Bluetooth v4.0 LE
HW Version	5502MB-002
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
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
Antenna Type	WWAN : IFA + Parasitic Antenna WLAN : IFA Antenna Bluetooth : IFA Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK(Downlink Only) WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) 802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) Bluetooth LE : GFSK Bluetooth (1Mbps) : GFSK Bluetooth (2Mbps) : $\pi/4$ -DQPSK Bluetooth (3Mbps) : 8-DPSK GPS : BPSK

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 C63.4-2009

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 C63.4-2009 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:

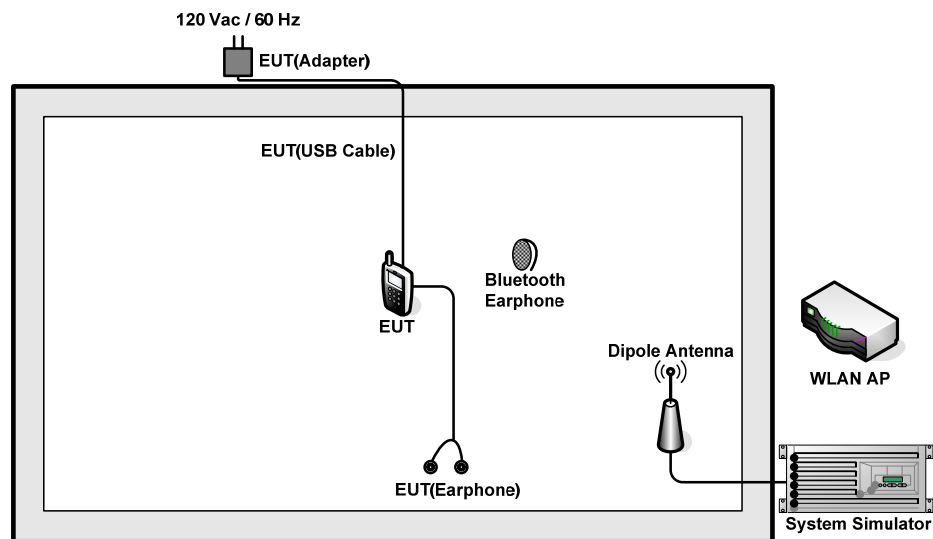
- EMI AC: AC conducted emissions
- EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz
- EMI RE < 1G: EUT radiated emissions < 1GHz

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

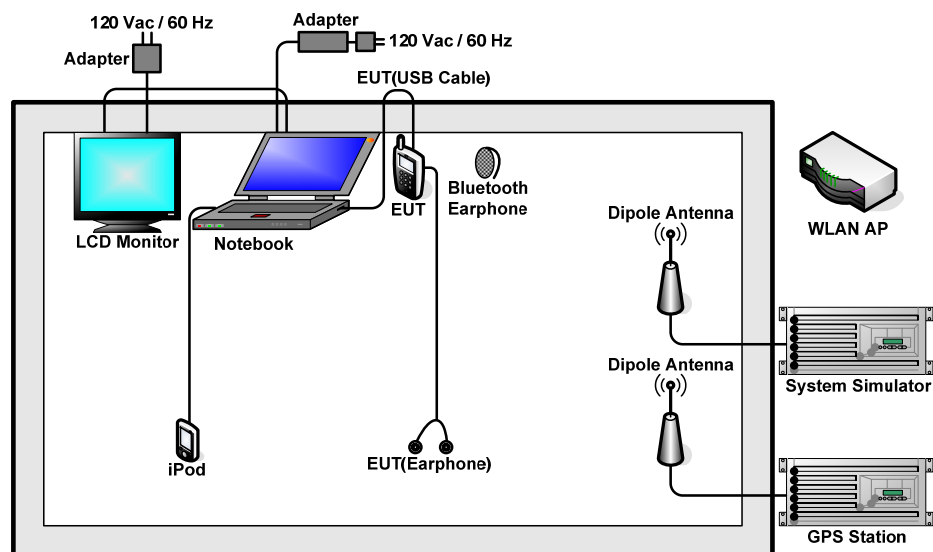
Remark: For signal above 1GHz, the worst case was test item 2.

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 (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 (Data Link with Notebook) + Earphone + GPS Rx <Fig.2>
Radiated Emissions ≥ 1GHz	2	Mode 1: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx <Fig.2>
Remark: - The worst case of AC is mode 1; and the USB Link mode of AC is mode 3, the test data of these modes were reported. - The worst case of RE < 1G is mode 3; only the test data of this mode was 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	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
4.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	N/A	N/A
5.	Notebook	Lenovo	G480	FCC DoC	N/A	AC I/P: Unshielded, 0.9 m DC O/P: Shielded, 1.8 m
6.	LCD Monitor	Dell	E1910Hc	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
7.	LCD Monitor	Lenovo	L197WA	FCC DoC	N/A	Unshielded, 1.8 m
8.	iPod	Apple	A1199	FCC DoC	Unshielded, 1.2 m	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 / iPod.
2. Turn on GPS function to make the EUT receive continuous signals from GPS station.
3. Execute "Video player" to play MPEG4 files.
4. Turn on camera to capture images.

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.

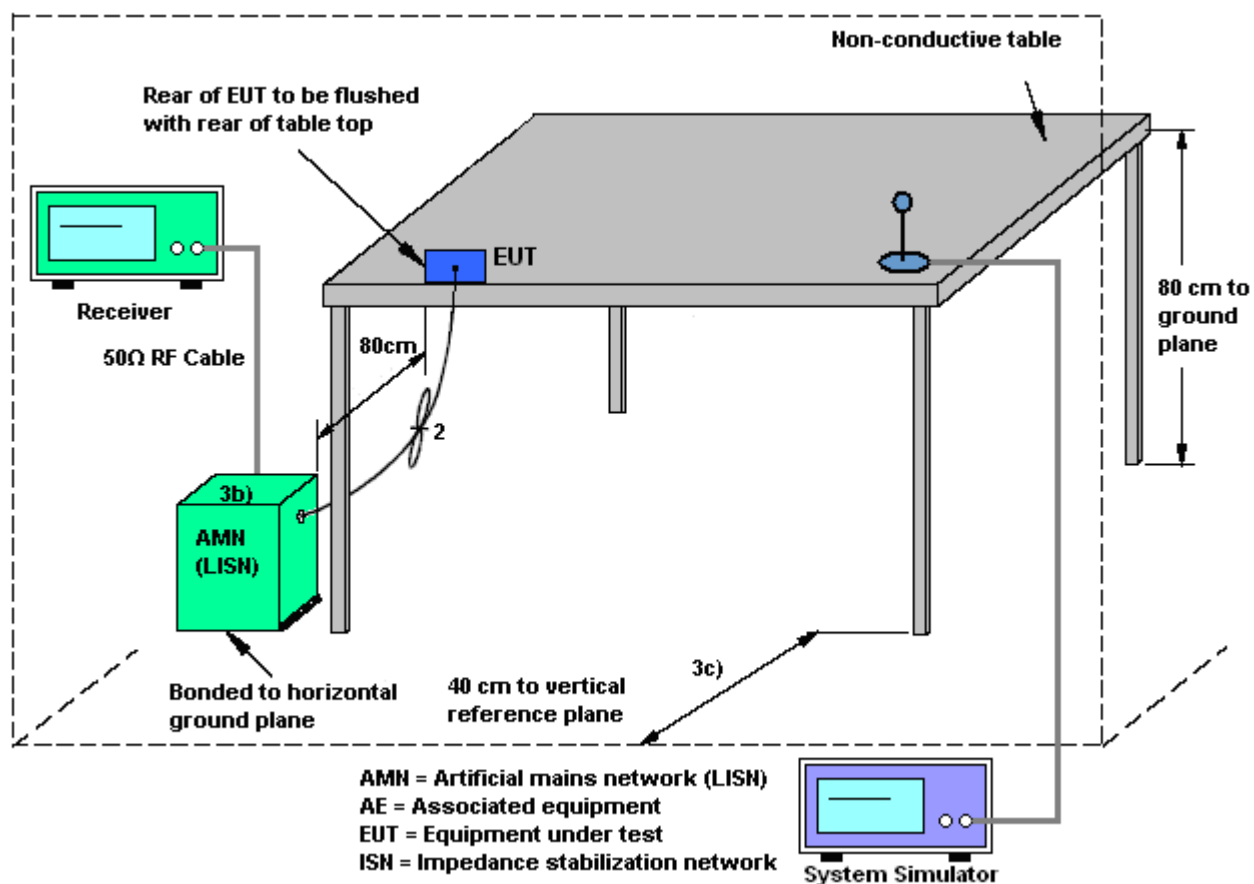
3.1.2 Measuring Instruments

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

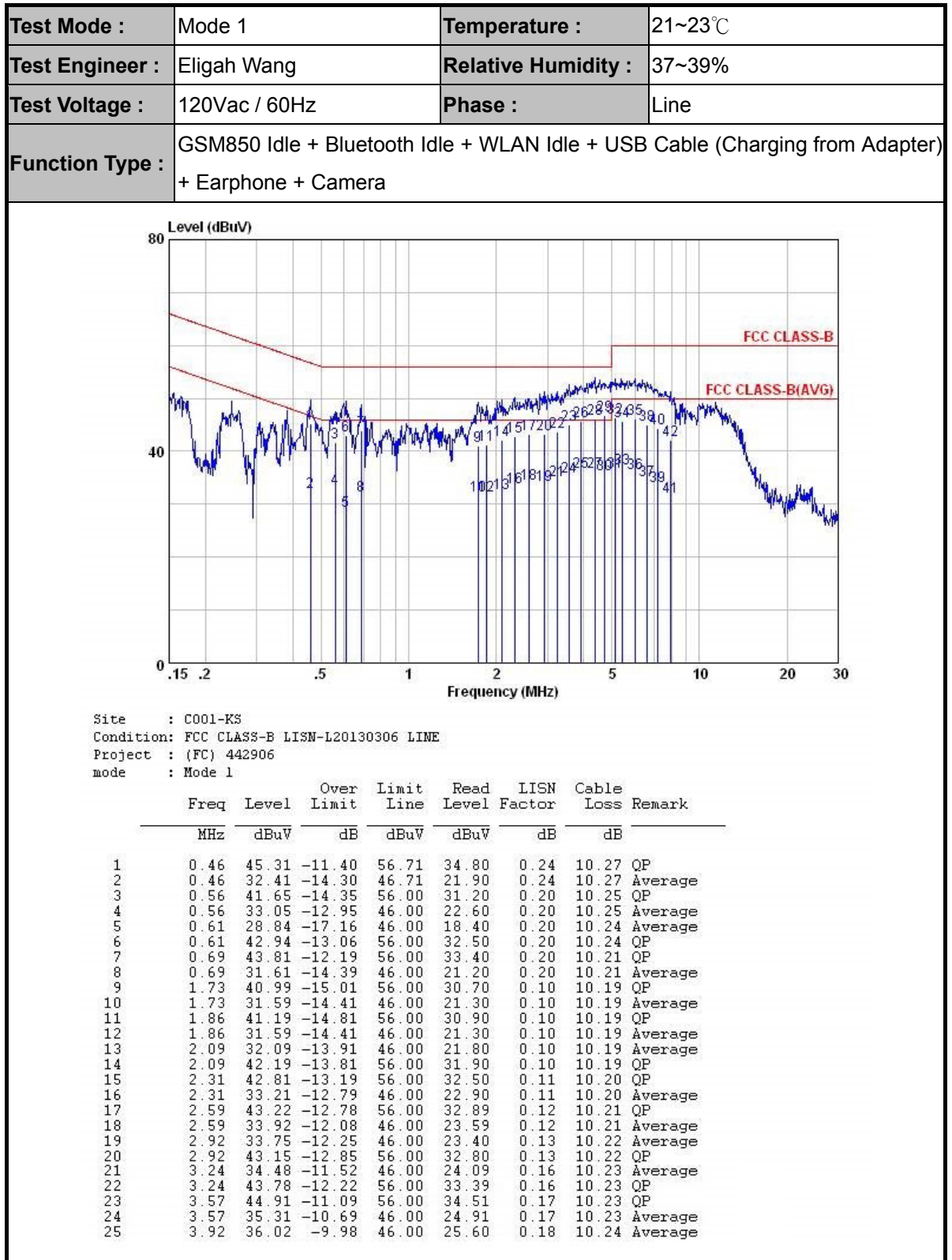
3.1.3 Test Procedure

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.

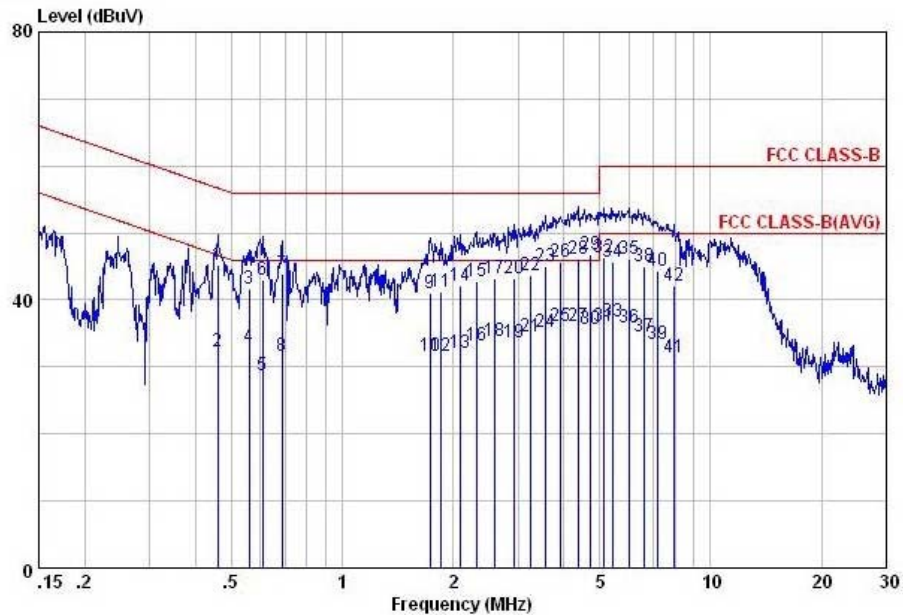
3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission



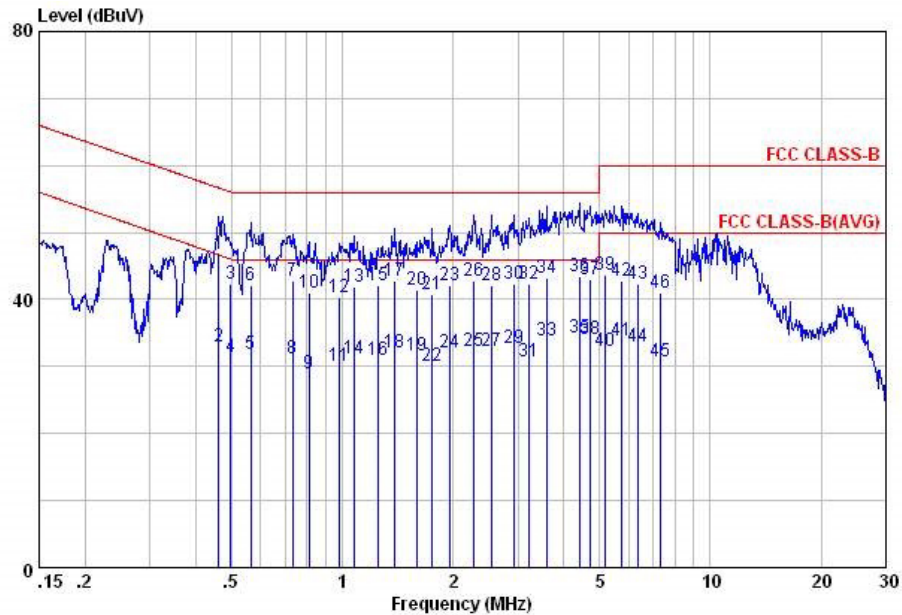
Test Mode :	Mode 1	Temperature :	21~23℃
Test Engineer :	Eligah Wang	Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera		



Site : C001-KS
 Condition: FCC CLASS-B LISN-L20130306 LINE
 Project : (FC) 442906
 mode : Mode 1

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
26	3.92	45.72	-10.28	56.00	35.30	0.18	10.24	QP
27	4.36	36.04	-9.96	46.00	25.60	0.19	10.25	Average
28	4.36	46.04	-9.96	56.00	35.60	0.19	10.25	QP
29	4.70	46.75	-9.25	56.00	36.30	0.20	10.25	QP
30	4.70	35.75	-10.25	46.00	25.30	0.20	10.25	Average
31	5.14	36.06	-13.94	50.00	25.60	0.20	10.26	Average
32	5.14	46.36	-13.64	60.00	35.90	0.20	10.26	QP
33	5.45	36.67	-13.33	50.00	26.20	0.20	10.27	Average
34	5.45	45.77	-14.23	60.00	35.30	0.20	10.27	QP
35	5.99	46.09	-13.91	60.00	35.60	0.20	10.29	QP
36	5.99	35.79	-14.21	50.00	25.30	0.20	10.29	Average
37	6.63	34.61	-15.39	50.00	24.10	0.20	10.31	Average
38	6.63	45.11	-14.89	60.00	34.60	0.20	10.31	QP
39	7.21	33.43	-16.57	50.00	22.90	0.20	10.33	Average
40	7.21	44.43	-15.57	60.00	33.90	0.20	10.33	QP
41	7.94	31.44	-18.56	50.00	20.90	0.20	10.34	Average
42	7.94	42.14	-17.86	60.00	31.60	0.20	10.34	QP

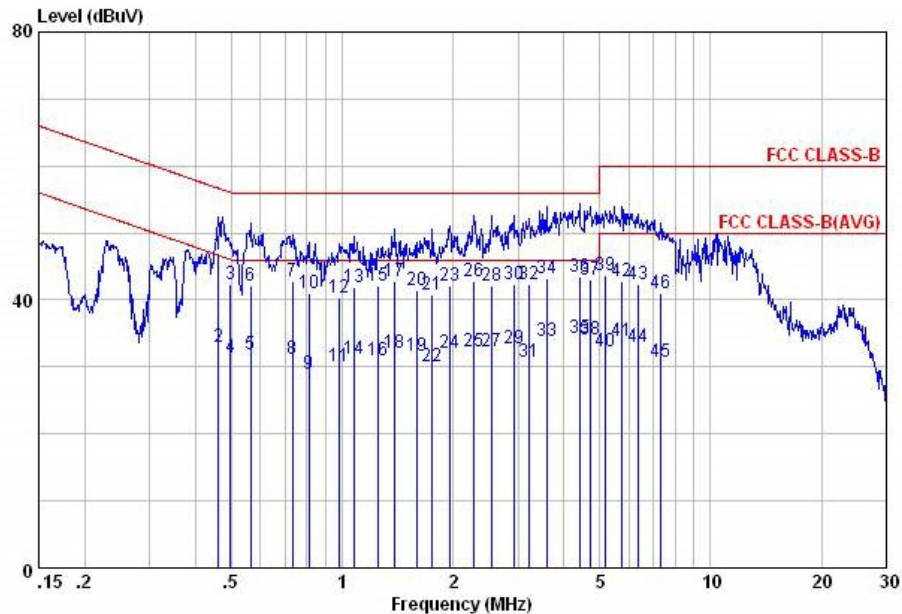
Test Mode :	Mode 1	Temperature :	21~23℃
Test Engineer :	Eligah Wang	Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera		



Site : C001-KS
 Condition: FCC CLASS-B LISN-N20130306 NEUTRAL
 Project : (FC) 442906
 mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.46	46.90	-9.77	56.67	36.30	0.33	10.27	QP
2	0.46	33.00	-13.67	46.67	22.40	0.33	10.27	Average
3	0.50	42.37	-13.68	56.05	31.81	0.30	10.26	QP
4	0.50	31.47	-14.58	46.05	20.91	0.30	10.26	Average
5	0.56	31.82	-14.18	46.00	21.30	0.27	10.25	Average
6	0.56	42.12	-13.88	56.00	31.60	0.27	10.25	QP
7	0.73	42.70	-13.30	56.00	32.30	0.19	10.21	QP
8	0.73	31.20	-14.80	46.00	20.80	0.19	10.21	Average
9	0.81	29.06	-16.94	46.00	18.70	0.16	10.20	Average
10	0.81	40.96	-15.04	56.00	30.60	0.16	10.20	QP
11	0.98	29.99	-16.01	46.00	19.71	0.10	10.18	Average
12	0.98	40.39	-15.61	56.00	30.11	0.10	10.18	QP
13	1.08	41.88	-14.12	56.00	31.60	0.10	10.18	QP
14	1.08	31.18	-14.82	46.00	20.90	0.10	10.18	Average
15	1.25	42.08	-13.92	56.00	31.80	0.10	10.18	QP
16	1.25	30.88	-15.12	46.00	20.60	0.10	10.18	Average
17	1.39	42.88	-13.12	56.00	32.60	0.10	10.18	QP
18	1.39	32.18	-13.82	46.00	21.90	0.10	10.18	Average
19	1.59	31.59	-14.41	46.00	21.30	0.10	10.19	Average
20	1.59	41.39	-14.61	56.00	31.10	0.10	10.19	QP
21	1.75	40.89	-15.11	56.00	30.60	0.10	10.19	QP
22	1.75	30.19	-15.81	46.00	19.90	0.10	10.19	Average
23	1.96	42.09	-13.91	56.00	31.80	0.10	10.19	QP
24	1.96	32.09	-13.91	46.00	21.80	0.10	10.19	Average
25	2.28	32.20	-13.80	46.00	21.89	0.11	10.20	Average

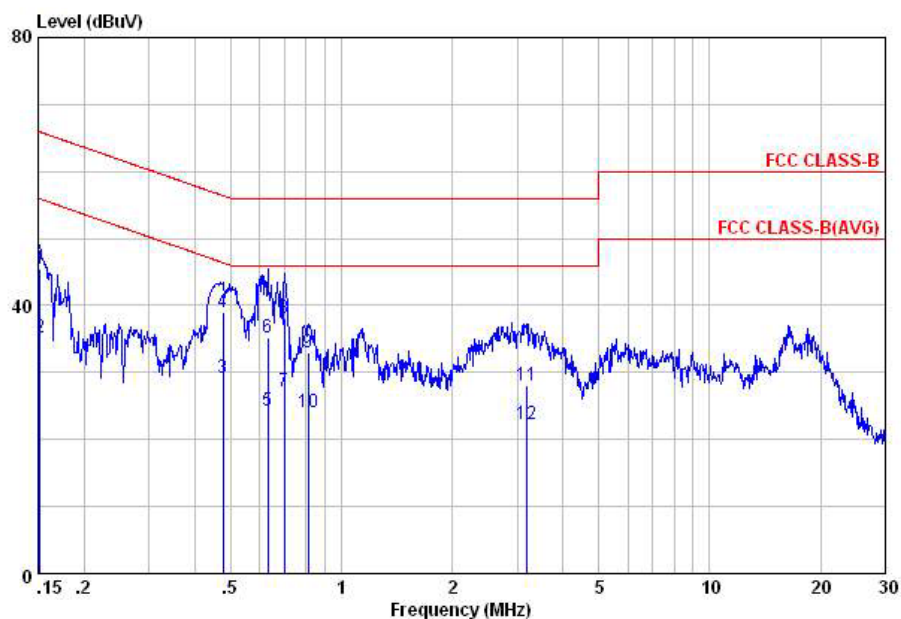
Test Mode :	Mode 1	Temperature :	21~23℃
Test Engineer :	Eligah Wang	Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera		



Site : C001-KS
Condition: FCC CLASS-B LISN-N20130306 NEUTRAL
Project : (FC) 442906
mode : Mode 1

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
26	2.28	42.70	-13.30	56.00	32.39	0.11	10.20	QP
27	2.54	32.22	-13.78	46.00	21.90	0.12	10.20	Average
28	2.54	42.12	-13.88	56.00	31.80	0.12	10.20	QP
29	2.92	32.65	-13.35	46.00	22.30	0.13	10.22	Average
30	2.92	42.25	-13.75	56.00	31.90	0.13	10.22	QP
31	3.22	30.68	-15.32	46.00	20.30	0.15	10.23	Average
32	3.22	42.28	-13.72	56.00	31.90	0.15	10.23	QP
33	3.58	33.91	-12.09	46.00	23.51	0.17	10.23	Average
34	3.58	43.31	-12.69	56.00	32.91	0.17	10.23	QP
35	4.41	34.24	-11.76	46.00	23.80	0.19	10.25	Average
36	4.41	43.54	-12.46	56.00	33.10	0.19	10.25	QP
37	4.72	43.05	-12.95	56.00	32.60	0.20	10.25	QP
38	4.72	34.05	-11.95	46.00	23.60	0.20	10.25	Average
39	5.19	43.76	-16.24	60.00	33.30	0.20	10.26	QP
40	5.19	32.26	-17.74	50.00	21.80	0.20	10.26	Average
41	5.74	33.78	-16.22	50.00	23.30	0.20	10.28	Average
42	5.74	42.78	-17.22	60.00	32.30	0.20	10.28	QP
43	6.35	42.40	-17.60	60.00	31.90	0.20	10.30	QP
44	6.35	32.90	-17.10	50.00	22.40	0.20	10.30	Average
45	7.29	30.83	-19.17	50.00	20.30	0.20	10.33	Average
46	7.29	40.93	-19.07	60.00	30.40	0.20	10.33	QP

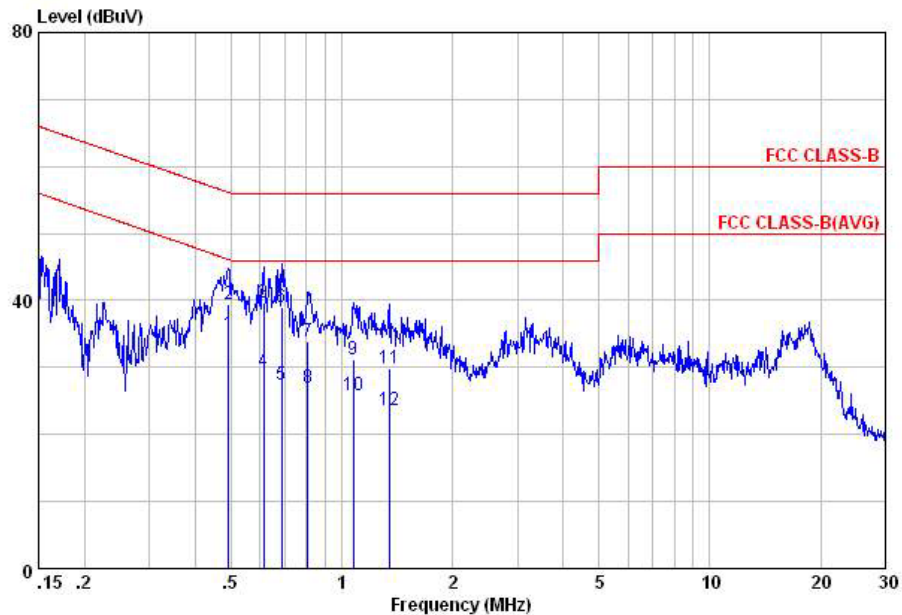
Test Mode :	Mode 3	Temperature :	21~23℃
Test Engineer :	Eligah Wang	Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		



Site : C001-KS
 Condition: FCC CLASS-B LISN-L20130306 LINE
 Project : (FC) 442906
 mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.15	45.54	-20.37	65.91	32.90	1.93	10.71	QP
2	0.15	35.24	-20.67	55.91	22.60	1.93	10.71	Average
3	0.48	29.09	-17.32	46.41	18.60	0.22	10.27	Average
4	0.48	39.09	-17.32	56.41	28.60	0.22	10.27	QP
5	0.63	24.33	-21.67	46.00	13.90	0.20	10.23	Average
6	0.63	35.23	-20.77	56.00	24.80	0.20	10.23	QP
7	0.70	27.21	-18.79	46.00	16.80	0.20	10.21	Average
8	0.70	38.01	-17.99	56.00	27.60	0.20	10.21	QP
9	0.81	32.96	-23.04	56.00	22.60	0.16	10.20	QP
10	0.81	23.96	-22.04	46.00	13.60	0.16	10.20	Average
11	3.17	27.98	-28.02	56.00	17.60	0.15	10.23	QP
12	3.17	22.28	-23.72	46.00	11.90	0.15	10.23	Average

Test Mode :	Mode 3	Temperature :	21~23°C
Test Engineer :	Eligah Wang	Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		



Site : C001-KS
 Condition: FCC CLASS-B LISN-N20130306 NEUTRAL
 Project : (FC) 442906
 mode : Mode 3

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.49	35.07	-11.07	46.14	24.49	0.31	10.27	Average
2	0.49	39.47	-16.67	56.14	28.89	0.31	10.27	QP
3	0.61	39.77	-16.23	56.00	29.30	0.23	10.24	QP
4	0.61	29.37	-16.63	46.00	18.90	0.23	10.24	Average
5	0.69	27.32	-18.68	46.00	16.91	0.20	10.21	Average
6	0.69	38.92	-17.08	56.00	28.51	0.20	10.21	QP
7	0.81	33.86	-22.14	56.00	23.50	0.16	10.20	QP
8	0.81	26.96	-19.04	46.00	16.60	0.16	10.20	Average
9	1.08	31.18	-24.82	56.00	20.90	0.10	10.18	QP
10	1.08	25.88	-20.12	46.00	15.60	0.10	10.18	Average
11	1.34	29.88	-26.12	56.00	19.60	0.10	10.18	QP
12	1.34	23.68	-22.32	46.00	13.40	0.10	10.18	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

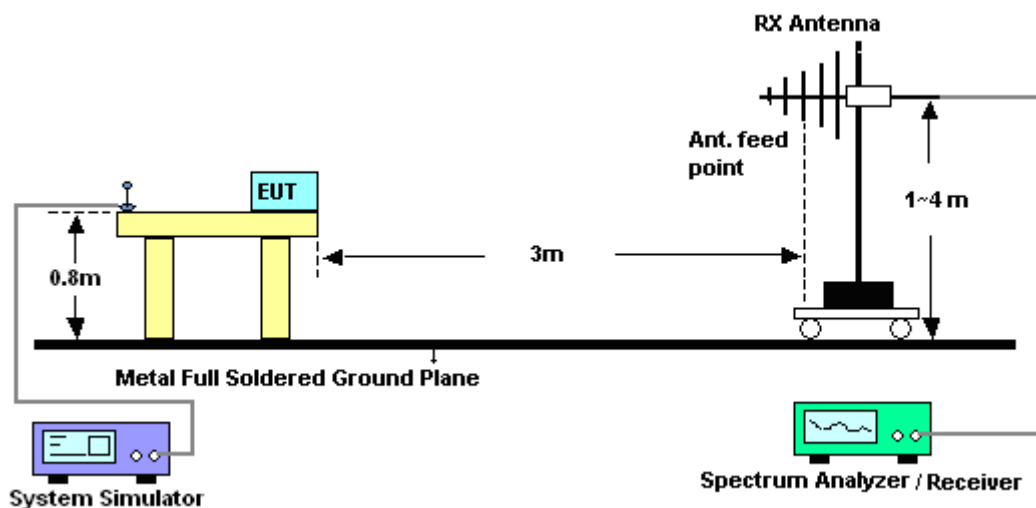
The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

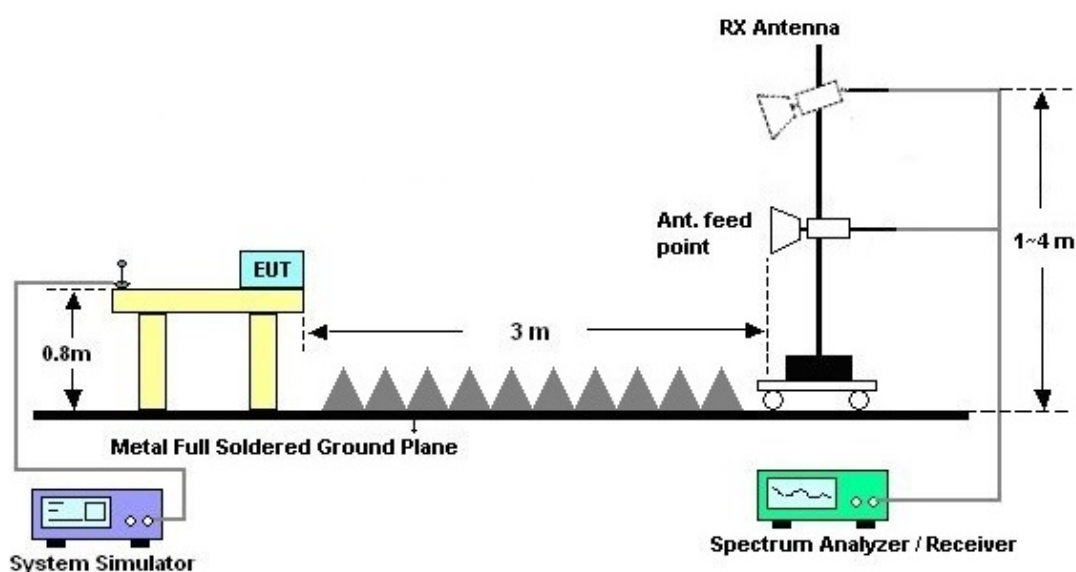
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna 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.
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

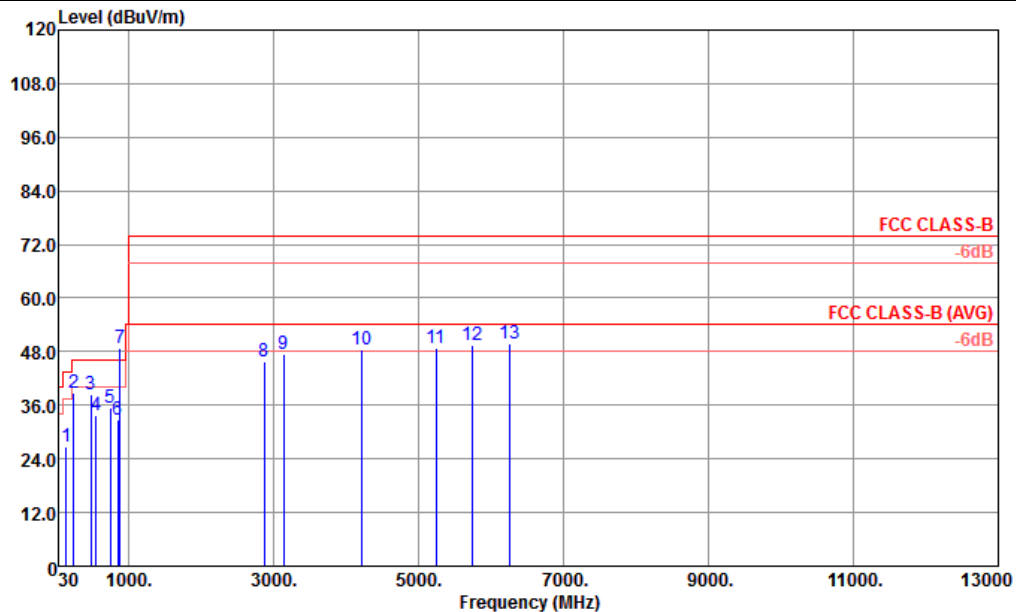


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

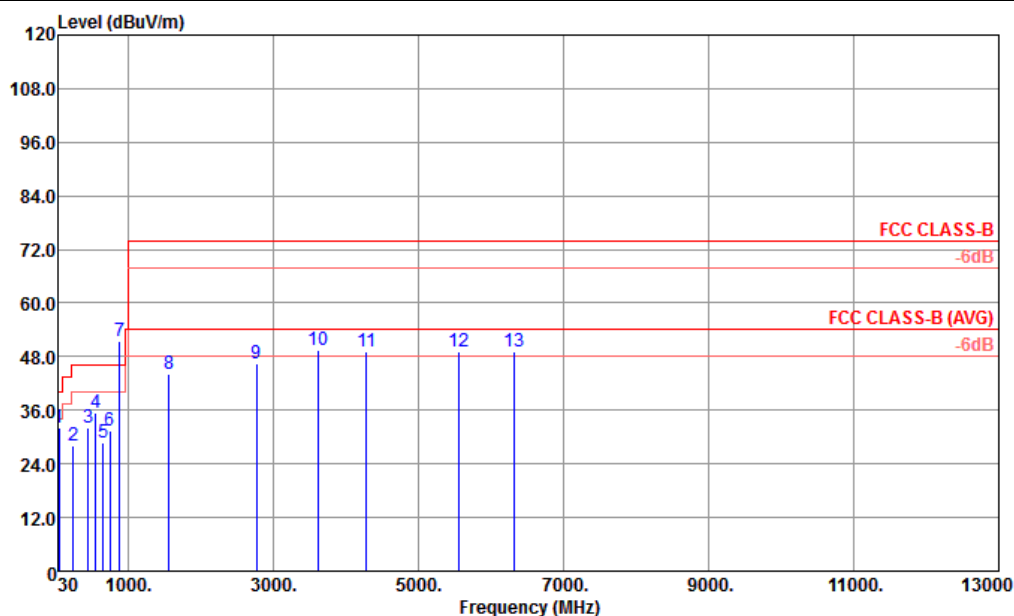
Test Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Jun Liu	Relative Humidity :	40~41%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		
Remark :	#7 is system simulator signal which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



Site : 03CH01-KS
 Condition : FCC CLASS-B 3m LF_ANT_100803 HORIZONTAL
 Project : (FC) 442906
 Mode : mode 3

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	I/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	137.67	26.91	-16.59	43.50	48.38	11.05	1.07	33.59	---	Peak
2	239.52	38.73	-7.27	46.00	59.24	11.51	1.44	33.46	155	42 Peak
3	480.08	38.46	-7.54	46.00	52.75	16.87	2.00	33.16	---	Peak
4	549.92	33.85	-12.15	46.00	46.27	18.50	2.09	33.01	---	Peak
5	749.74	35.36	-10.64	46.00	45.78	19.90	2.46	32.78	---	Peak
6	849.65	32.92	-13.08	46.00	42.52	20.51	2.63	32.74	---	Peak
7 *	881.66	48.73			58.10	20.47	2.68	32.52	---	Peak
8	2874.00	45.78	-28.22	74.00	41.77	33.58	3.96	33.53	---	Peak
9	3134.00	47.45	-26.55	74.00	43.09	33.83	4.16	33.63	---	Peak
10	4220.00	48.58	-25.42	74.00	42.43	35.03	4.80	33.68	---	Peak
11	5240.00	48.96	-25.04	74.00	42.02	35.28	5.41	33.75	---	Peak
12	5752.00	49.43	-24.57	74.00	41.92	35.53	5.68	33.70	---	Peak
13	6260.00	49.87	-24.13	74.00	42.00	35.70	5.97	33.80	---	Peak

Test Mode :	Mode 3	Temperature :	22~23°C
Test Engineer :	Jun Liu	Relative Humidity :	40~41%
Test Distance :	3m	Polarization :	Vertical
Function Type :	WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx		
Remark :	#7 is system simulator signal which can be ignored.		



Site : 03CH01-KS
 Condition : FCC CLASS-B 3m LF_ANT_100803 VERTICAL
 Project : (FC) 442906
 Mode : mode 3

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	cm	deg
1	42.61	32.07	-7.93	40.00	54.60	10.48	0.62	33.63	115	214 Peak
2	239.52	28.14	-17.86	46.00	48.65	11.51	1.44	33.46	---	Peak
3	450.01	32.10	-13.90	46.00	47.06	16.30	1.95	33.21	---	Peak
4	549.92	35.35	-10.65	46.00	47.77	18.50	2.09	33.01	---	Peak
5	649.83	28.63	-17.37	46.00	40.38	18.90	2.30	32.95	---	Peak
6	749.74	31.58	-14.42	46.00	42.00	19.90	2.46	32.78	---	Peak
7 *	881.66	51.63			61.00	20.47	2.68	32.52	---	Peak
8	1556.00	44.21	-29.79	74.00	43.66	30.75	2.90	33.10	---	Peak
9	2772.00	46.43	-27.57	74.00	42.55	33.47	3.87	33.46	---	Peak
10	3626.00	49.49	-24.51	74.00	44.09	34.57	4.51	33.68	---	Peak
11	4278.00	49.22	-24.78	74.00	43.03	35.05	4.86	33.72	---	Peak
12	5560.00	49.02	-24.98	74.00	41.77	35.44	5.51	33.70	---	Peak
13	6324.00	49.16	-24.84	74.00	41.27	35.73	5.99	33.83	---	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 23, 2013	May 22, 2014	May 22, 2014	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Dec. 10, 2013	May 22, 2014	Dec. 09, 2014	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Dec. 10, 2013	May 22, 2014	Dec. 09, 2014	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Nov. 12, 2013	May 22, 2014	Nov. 11, 2014	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 05, 2013	May 22, 2014	Nov. 04, 2014	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP30	101399	9kHz~30GHz	May 23, 2013	May 22, 2014	May 22, 2014	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Jan. 08, 2014	May 22, 2014	Jan. 07, 2015	Radiation (03CH01-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 08, 2014	May 22, 2014	Jan. 07, 2015	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161073	1MHz~1GHz	May 04, 2014	May 22, 2014	May 03, 2015	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02371	1GHz~26.5GHz	Dec. 10, 2013	May 22, 2014	Dec. 09, 2014	Radiation (03CH01-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	May 22, 2014	NCR	Radiation (03CH01-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	May 22, 2014	NCR	Radiation (03CH01-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	May 22, 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
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

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