FCC Test Report

APPLICANT	:	CT Asia
EQUIPMENT	:	GSM Mobile Phone
BRAND NAME	:	BLU
MODEL NAME	:	Diva X
FCC ID	:	YHLBLUDIVAX
STANDARD	:	FCC 47 CFR FCC Part 15 Subpart B
CLASSIFICATION	:	Certification

The product was received on Apr. 01, 2013 and completely tested on Apr. 26, 2013. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown 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 (SHENZHEN) INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager

Testing Laboratory 2353

SPORTON INTERNATIONAL (SHENZHEN) INC.
No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC340101	Rev. 01	Initial issue of report	May 22, 2013

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 5.00 dB at 0.390 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.36 dB at 43.580 MHz for Quasi-Peak

1. General Description

1.1. Applicant

CT Asia

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

1.2. Manufacturer

Tinno Mobile Technology Corp.

4/F., H-3 Building, OCT Eastern Industrial Park. NO.1 XiangShan East Road., Nan Shan

1.3. Feature of Equipment Under Test

Product Feature	
Equipment	GSM Mobile Phone
Brand Name	BLU
Model Name	Diva X
FCC ID	YHLBLUDIVAX
EUT supports Radios application	GSM/GPRS/Bluetooth
HW Version	V1.0
SW Version	B2060A_PP_F2F3F5F8_EN_28_01
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 Bluetooth: 2402 MHz ~ 2480 MHz
Rx Frequency Range	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz Bluetooth: 2402 MHz ~ 2480 MHz FM: 88 MHz ~ 108 MHz
Antenna Type	WWAN : Fixed Internal Antenna Bluetooth : PIFA Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK Bluetooth BDR (1Mbps) : GFSK Bluetooth EDR (2Mbps) : π/4-DQPSK Bluetooth EDR (3Mbps) : 8-DPSK FM

1.5. Test Site

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.		
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C. TEL: +86-755- 3320-2398		
Test Site No.	**Sporton Site No.**		**FCC/IC Registration No.**
	CO01-SZ	03CH01-SZ	831040/4086F-1

1.6. Applied Standards

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

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

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2. Test Configuration of Equipment Under Test

2.1. Test Mode

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

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

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

Item	EUT Configuration	Test Condition		
		EMI AC	EMI RE<1G	EMI RE≥1G
1.	Charging Mode (EUT with adapter)	☒	☒	☒
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

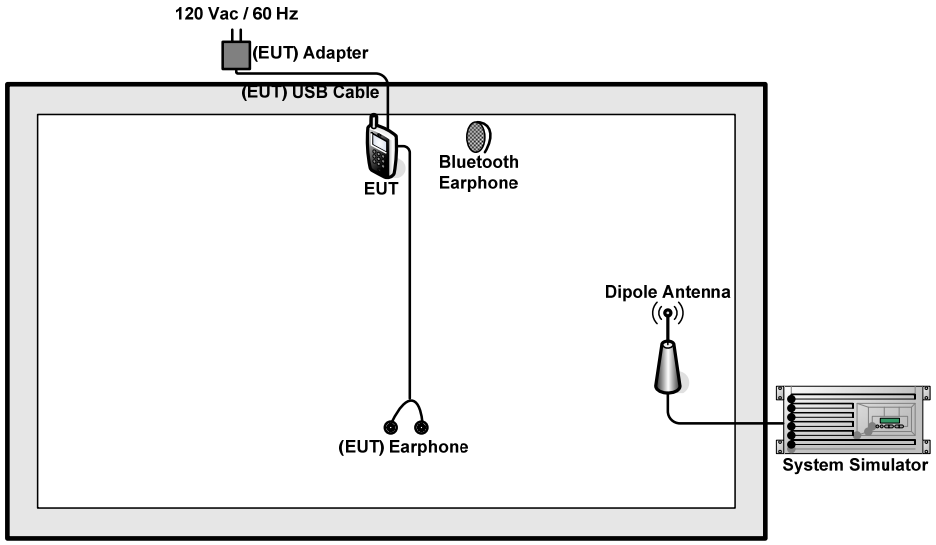
Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1/2	Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera<Fig.1> Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MP3<Fig.1> Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx<Fig.2> Mode 4: GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone <Fig.3>
Radiated Emissions < 1GHz	1/2	Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera<Fig.1> Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MP3<Fig.1> Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx<Fig.2> Mode 4: GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone<Fig.3>
Radiated Emissions ≥ 1GHz	1	Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera<Fig.1> Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone<Fig.3>

Remark:

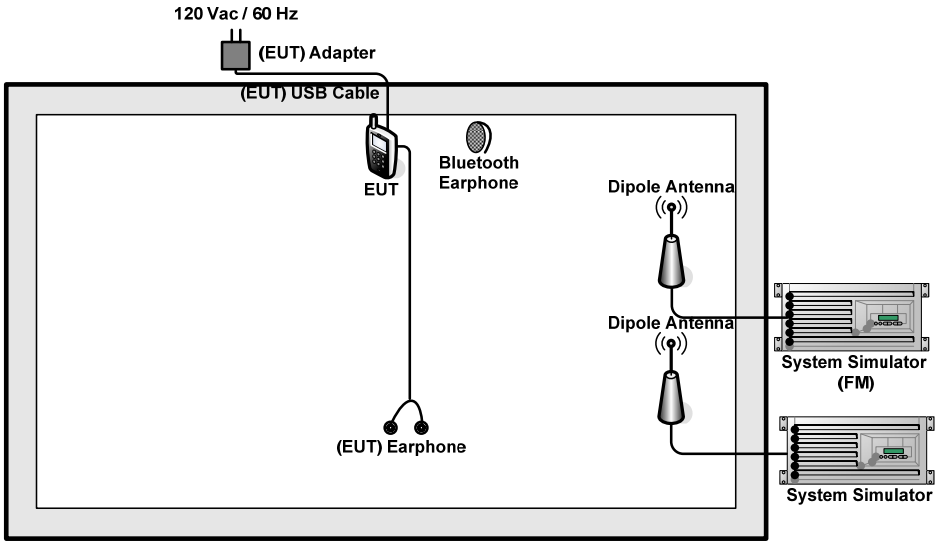
1. The worst case of AC Conducted Emission is mode 3; the test data of this mode was reported.
2. The USB Link mode of AC Conducted Emission is mode 4; the test data of this mode was also reported.
3. The worst case of Radiated Emissions is mode 1; the test data of this mode was reported.
4. The USB Link mode of Radiated Emissions is mode 4; the test data of this mode was also reported.
5. Link with PC means data application transferred mode between EUT and PC.

2.2. Connection Diagram of Test System

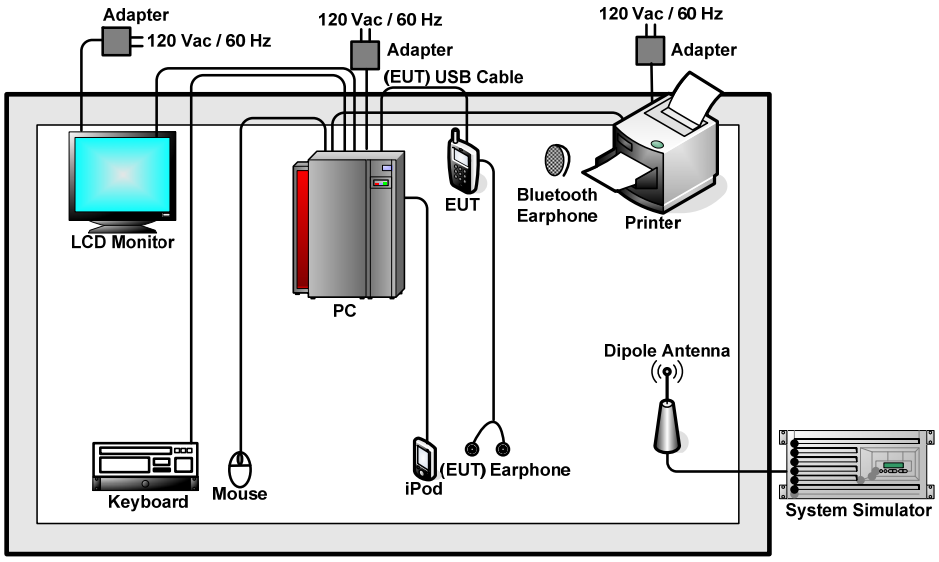
<EUT with Adapter Mode>



<Fig.1>



<Fig.2>


Adapter
120 Vac / 60 Hz
120 Vac / 60 Hz
Adapter
(EUT) USB Cable
120 Vac / 60 Hz
Adapter
LCD Monitor
PC
EUT
Bluetooth
Earphone
Printer
Dipole Antenna
Keyboard
Mouse
iPod
(EUT) Earphone
System Simulator

<Fig.3>

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(FM)	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Agilent	E5515C	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Nokia	BH-108	N/A	N/A	N/A
4.	Printer	Samsung	ML-1610	Fcc DoC	Unshielded, 1.8 m	Unshielded, 1.8 m
5.	PC	Dell	OPTIPLEX390	FCC DoC	N/A	Unshielded, 1.8 m
6.	Monitor	Dell	IN1940MWB	FCC DoC	shielded, 1.2 m	Unshielded, 1.8 m
7.	Mouse	Dell	MS111-L	FCC DoC	Shielded, 1.5 m	N/A
8.	Keyboard	Dell	KB212-B	Fcc DoC	Shielded, 1.5m	N/A
9.	iPod	Apple	MC525 ZP/A	FCC DoC	Shielded, 1.0 m	N/A

2.4. Test Software

The EUT was in GSM 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. Execute the program, "Winthrax" under WIN7 installed in PC for files transfer with EUT via USB cable.
2. Execute "Music Player" to play MP3 file.
3. Turn on camera to capture images.
4. Turn on FM function to make the EUT receive continuous signals from System Simulator(FM).
5. Execute "H Pattern" to show H Pattern via VGA Cable on the Monitor.

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.

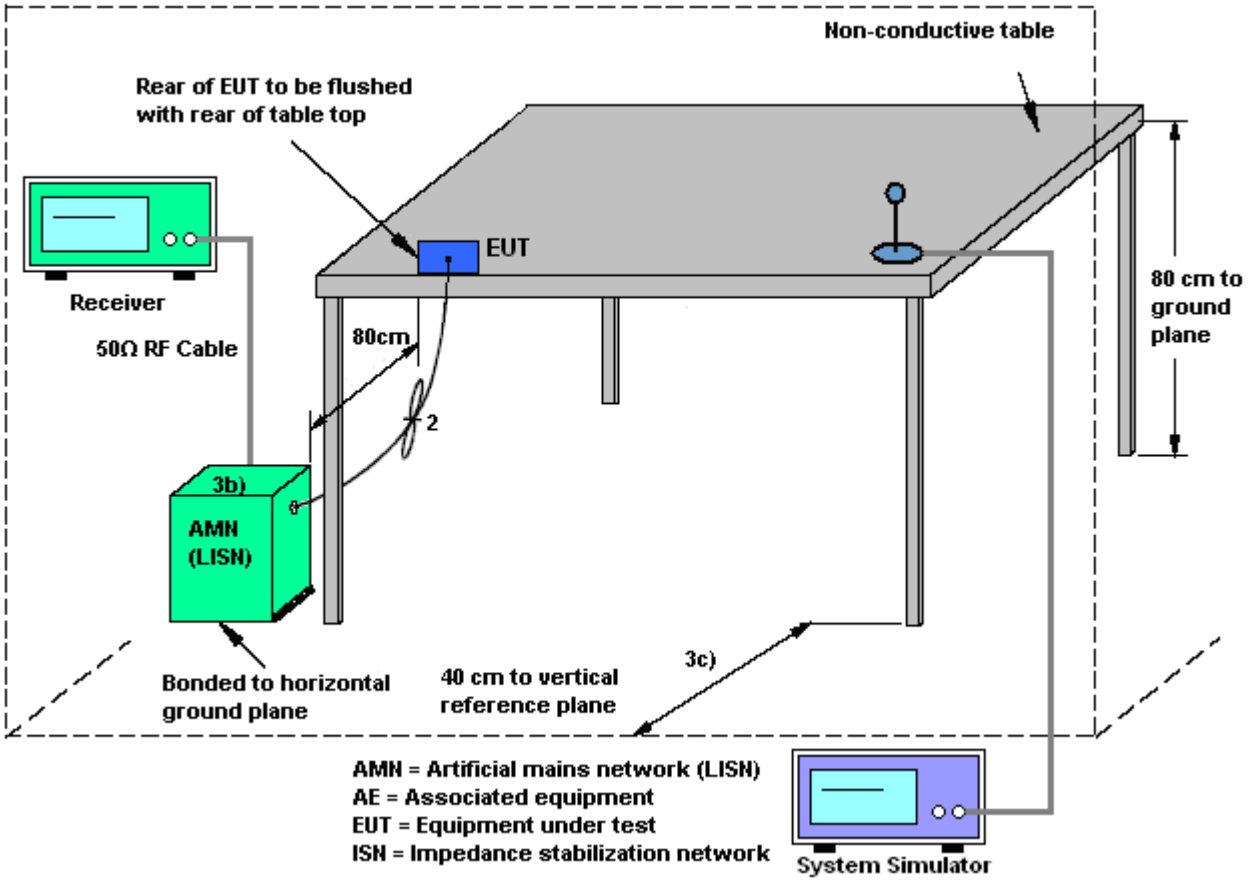
3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedure

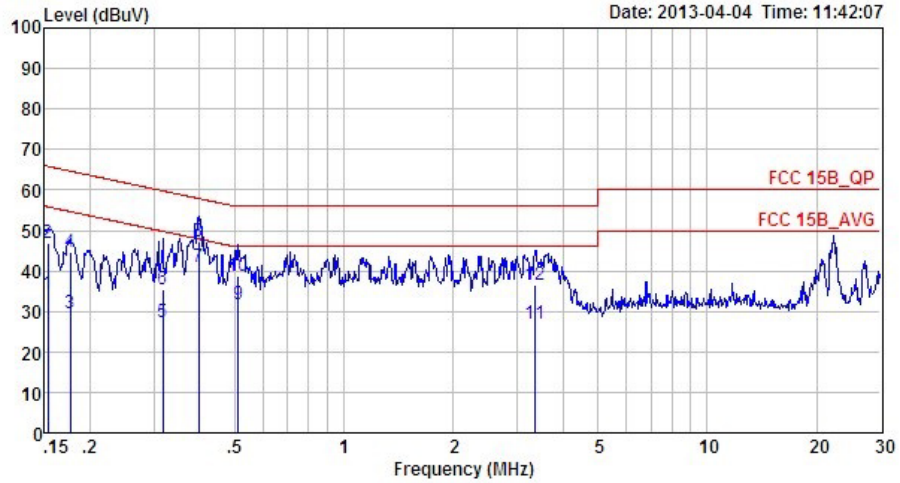
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.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

3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission

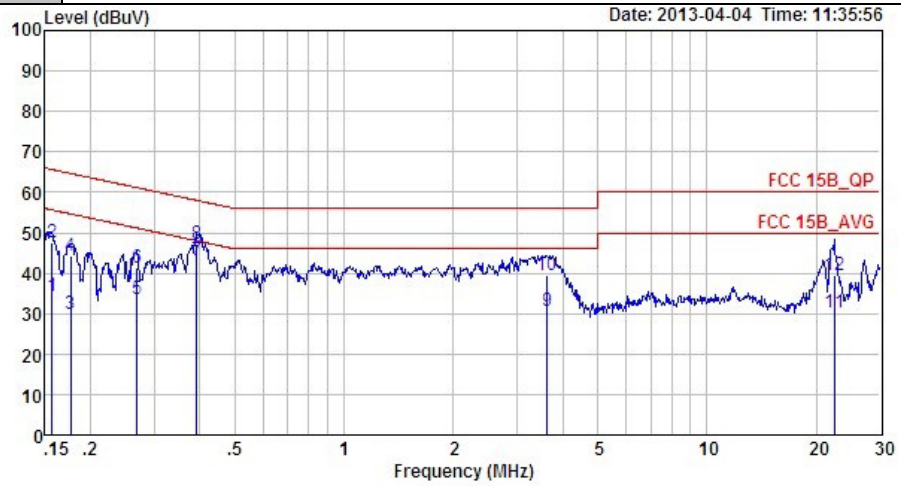
Test Mode :	Mode 3	**Temperature :**	23~24℃
Test Engineer :	Leo Liao	**Relative Humidity :**	48~49%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_L_2000601 LINE
Project : (FC) 340101
Mode : Mode 3

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	34.28	-21.54	55.82	24.20	0.03	10.05	Average
2		0.15	46.98	-18.84	65.82	36.90	0.03	10.05	QP
3		0.18	29.38	-25.26	54.64	19.30	0.03	10.05	Average
4		0.18	44.48	-20.16	64.64	34.40	0.03	10.05	QP
5		0.32	27.49	-22.31	49.80	17.40	0.02	10.07	Average
6		0.32	35.59	-24.21	59.80	25.50	0.02	10.07	QP
7	*	0.40	41.10	-6.80	47.90	31.01	0.02	10.07	Average
8		0.40	47.10	-10.80	57.90	37.01	0.02	10.07	QP
9		0.51	31.71	-14.29	46.00	21.60	0.02	10.09	Average
10		0.51	38.91	-17.09	56.00	28.80	0.02	10.09	QP
11		3.36	27.04	-18.96	46.00	16.80	0.05	10.19	Average
12		3.36	36.54	-19.46	56.00	26.30	0.05	10.19	QP

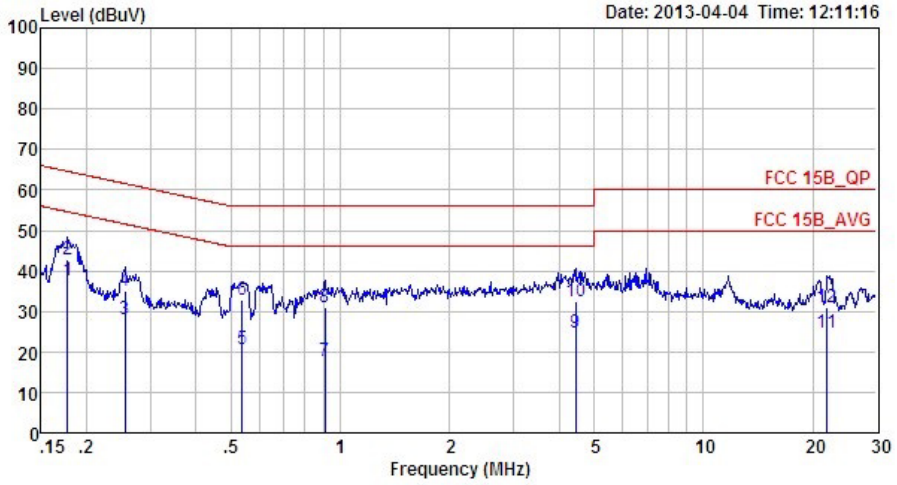
Test Mode :	Mode 3	Temperature :	23~24℃
Test Engineer :	Leo Liao	Relative Humidity :	48~49%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_N_2000601 NEUTRAL
Project : (FC) 340101
Mode : Mode 3

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.16	34.37	-21.28	55.65	24.30	0.02	10.05	Average
2		0.16	47.57	-18.08	65.65	37.50	0.02	10.05	QP
3		0.18	30.07	-24.57	54.64	20.00	0.02	10.05	Average
4		0.18	44.37	-20.27	64.64	34.30	0.02	10.05	QP
5		0.27	33.68	-17.48	51.16	23.60	0.02	10.06	Average
6		0.27	41.28	-19.88	61.16	31.20	0.02	10.06	QP
7	*	0.39	42.99	-5.00	47.99	32.90	0.02	10.07	Average
8		0.39	47.09	-10.90	57.99	37.00	0.02	10.07	QP
9		3.62	30.45	-15.55	46.00	20.20	0.06	10.19	Average
10		3.62	39.55	-16.45	56.00	29.30	0.06	10.19	QP
11		22.42	30.10	-19.90	50.00	19.00	0.64	10.46	Average
12		22.42	39.60	-20.40	60.00	28.50	0.64	10.46	QP

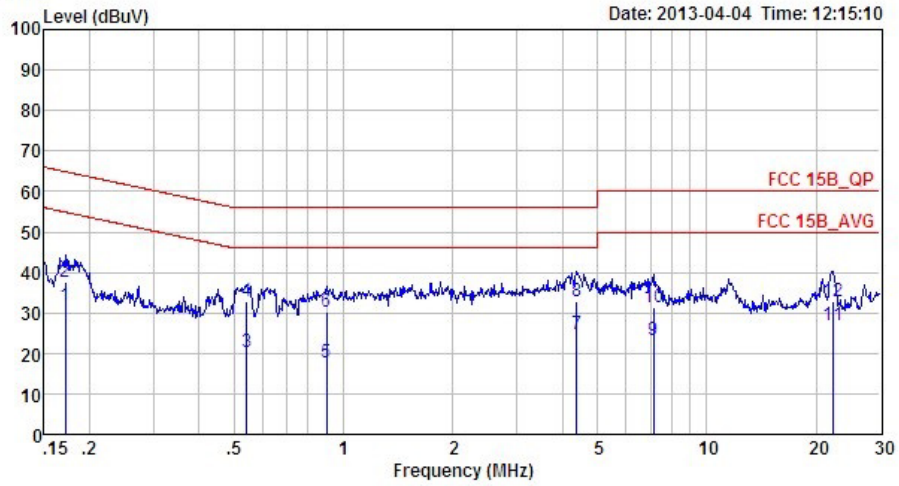
Test Mode :	Mode 4	**Temperature :**	23~24℃
Test Engineer :	Leo Liao	**Relative Humidity :**	48~49%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_L_2000601 LINE
Project : (FC) 340101
Mode : Mode 4

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	*	0.18	37.68	-16.91	54.59	27.60	0.03	10.05	Average
2		0.18	42.88	-21.71	64.59	32.80	0.03	10.05	QP
3		0.25	27.89	-23.71	51.60	17.81	0.02	10.06	Average
4		0.25	34.99	-26.61	61.60	24.91	0.02	10.06	QP
5		0.54	20.51	-25.49	46.00	10.40	0.02	10.09	Average
6		0.54	33.01	-22.99	56.00	22.90	0.02	10.09	QP
7		0.91	17.53	-28.47	46.00	7.39	0.03	10.11	Average
8		0.91	30.93	-25.07	56.00	20.79	0.03	10.11	QP
9		4.45	24.86	-21.14	46.00	14.61	0.06	10.19	Average
10		4.45	32.46	-23.54	56.00	22.21	0.06	10.19	QP
11		21.95	24.89	-25.11	50.00	14.00	0.41	10.48	Average
12		21.95	31.09	-28.91	60.00	20.20	0.41	10.48	QP

Test Mode :	Mode 4	Temperature :	23~24℃
Test Engineer :	Leo Liao	Relative Humidity :	48~49%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-SZ
Condition: FCC 15B_QP LISN_N_2000601 NEUTRAL
Project : (FC) 340101
Mode : Mode 4

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.17	31.68	-23.22	54.90	21.61	0.02	10.05	Average
2		0.17	37.78	-27.12	64.90	27.71	0.02	10.05	QP
3		0.54	20.40	-25.60	46.00	10.29	0.02	10.09	Average
4		0.54	32.70	-23.30	56.00	22.59	0.02	10.09	QP
5		0.90	17.53	-28.47	46.00	7.40	0.02	10.11	Average
6		0.90	30.33	-25.67	56.00	20.20	0.02	10.11	QP
7	*	4.38	24.66	-21.34	46.00	14.40	0.07	10.19	Average
8		4.38	32.76	-23.24	56.00	22.50	0.07	10.19	QP
9		7.14	23.33	-26.67	50.00	13.00	0.13	10.20	Average
10		7.14	31.23	-28.77	60.00	20.90	0.13	10.20	QP
11		22.18	26.89	-23.11	50.00	15.80	0.62	10.47	Average
12		22.18	32.99	-27.01	60.00	21.90	0.62	10.47	QP

3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

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

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

3.2.2. Measuring Instruments

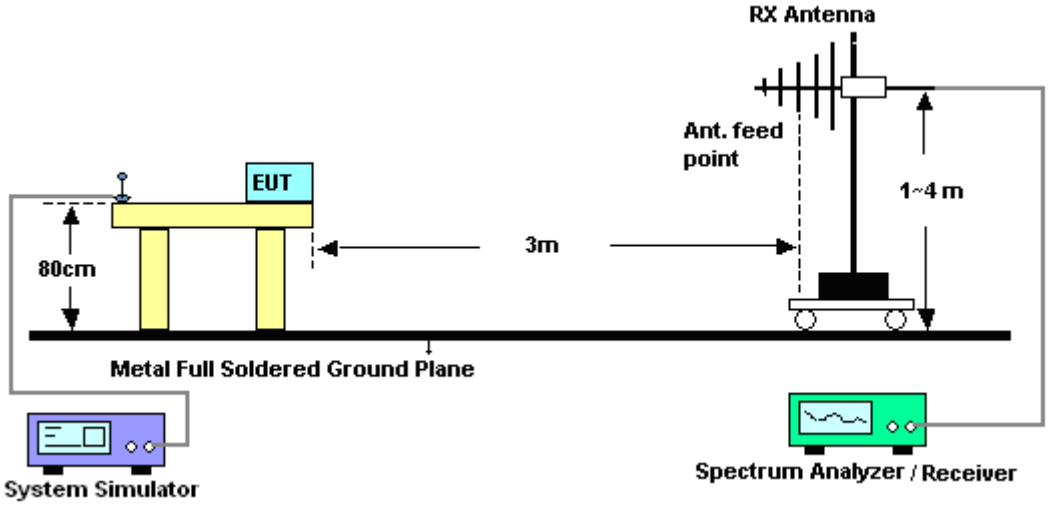
See list of measuring instruments of this test report.

3.2.3. Test Procedures

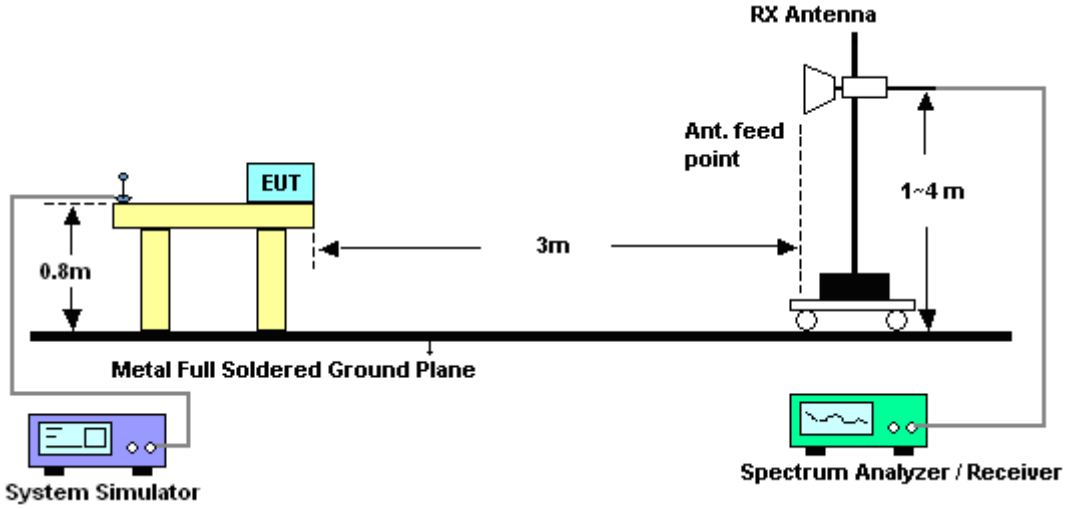
1. The EUT was placed on a turntable with 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna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

For radiated emissions from 30MHz to 1GHz

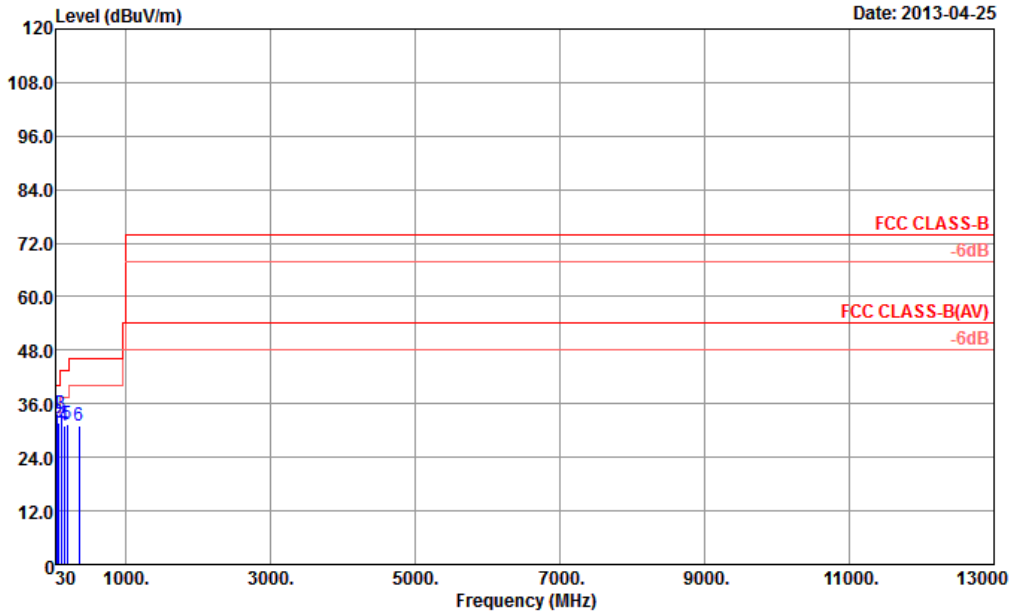


For radiated emissions above 1GHz



3.2.5. Test Result of Radiated Emission

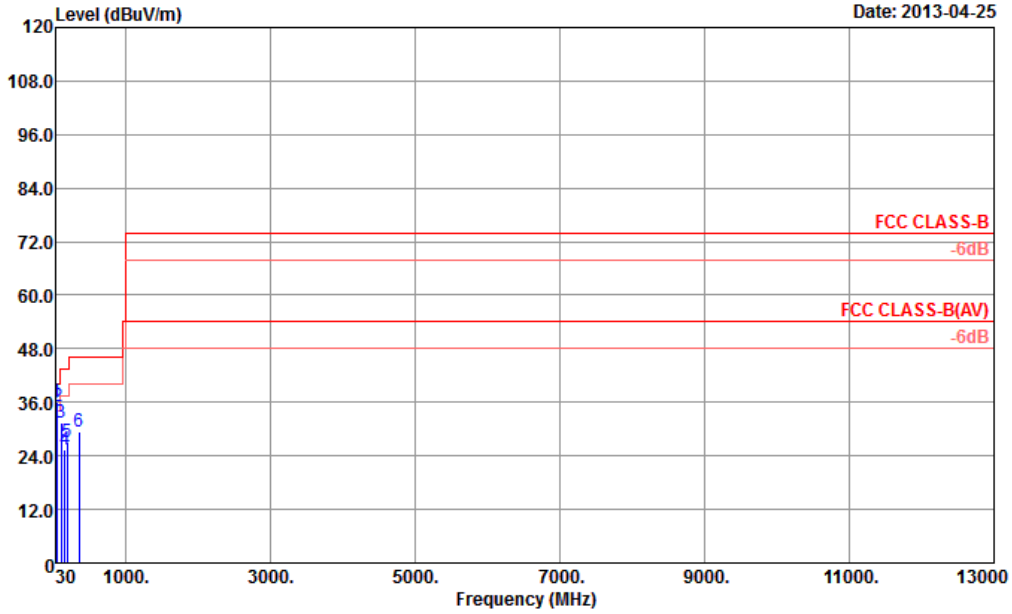
Test Mode :	Mode 1	**Temperature :**	25~26℃
Test Engineer :	Robin Luo	**Relative Humidity :**	49~50%
Test Distance :	3m	**Polarization :**	Horizontal
Function Type :	GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera		



Site : 03CH01-SZ
Condition : FCC CLASS-B 3m LF ANT-H 121202 HORIZONTAL
Project : (FC) 340101
Mode : Mode 1

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	Q	43.58	33.64	-6.36	40.00	54.19	9.10	0.87	30.52	200	80	QP
2	P	66.86	31.69	-8.31	40.00	55.66	5.65	0.93	30.55	---	---	Peak
3		103.72	33.80	-9.70	43.50	51.78	11.50	1.17	30.65	---	---	Peak
4		144.46	31.11	-12.39	43.50	49.18	11.20	1.25	30.52	---	---	Peak
5		191.99	31.51	-11.99	43.50	50.81	9.67	1.39	30.36	---	---	Peak
6		359.80	31.11	-14.89	46.00	44.04	15.02	1.85	29.80	---	---	Peak

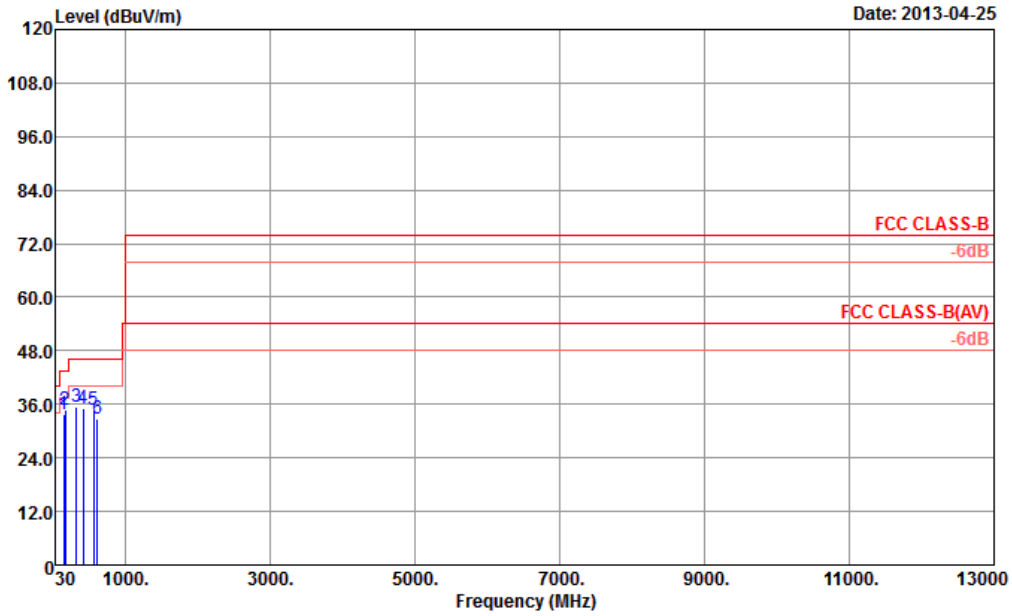
Test Mode :	Mode 1	Temperature :	25~26°C
Test Engineer :	Robin Luo	Relative Humidity :	49~50%
Test Distance :	3m	Polarization :	Vertical
Function Type :	GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera		



Site : 03CH01-SZ
Condition : FCC CLASS-B 3m LF ANT-V 121202 VERTICAL
Project : (FC) 340101
Mode : Mode 1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 P	45.52	36.24	-3.76	40.00	57.19	8.70	0.87	30.52	100	250	Peak
2 !	55.22	35.04	-4.96	40.00	59.02	5.70	0.83	30.51	---	---	Peak
3	103.72	31.43	-12.07	43.50	49.41	11.50	1.17	30.65	---	---	Peak
4	158.04	25.44	-18.06	43.50	44.67	9.97	1.27	30.47	---	---	Peak
5	188.11	26.96	-16.54	43.50	46.53	9.45	1.35	30.37	---	---	Peak
6	359.80	29.51	-16.49	46.00	42.44	15.02	1.85	29.80	---	---	Peak

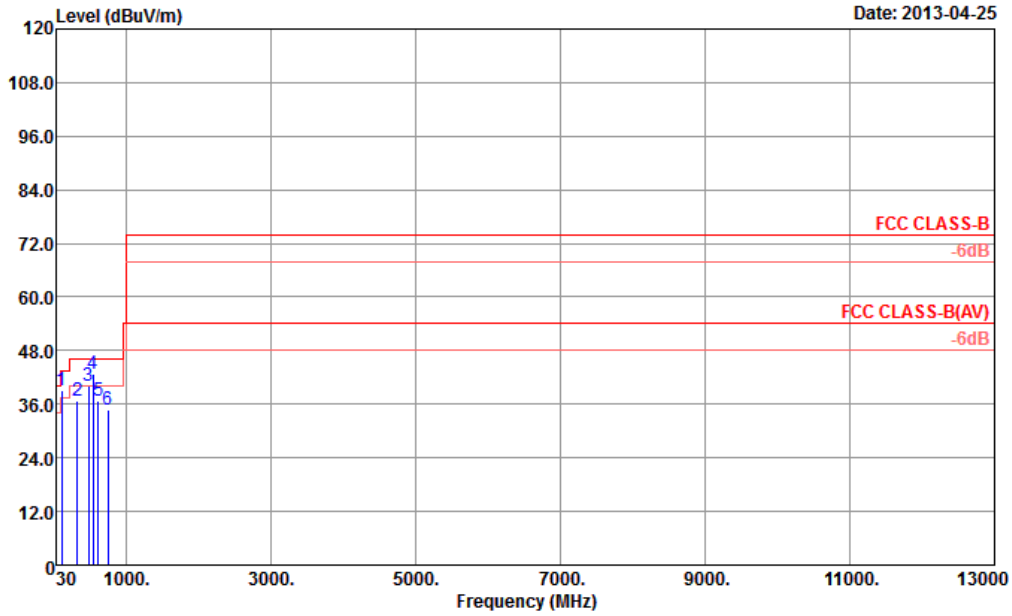
Test Mode :	Mode 4	Temperature :	25~26℃
Test Engineer :	Robin Luo	Relative Humidity :	49~50%
Test Distance :	3m	Polarization :	Horizontal
Function Type :	GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone		



Site : 03CH01-SZ
Condition : FCC CLASS-B 3m LF ANT-H 121202 HORIZONTAL
Project : (FC) 340101
Mode : Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	143.49	33.74	-9.76	43.50	51.81	11.20	1.25	30.52	---	---	Peak
2 P	167.74	34.61	-8.89	43.50	53.93	9.85	1.27	30.44	100	258	Peak
3	323.91	35.35	-10.65	46.00	49.11	14.40	1.76	29.92	---	---	Peak
4	419.94	35.23	-10.77	46.00	46.19	16.70	1.94	29.60	---	---	Peak
5	564.47	34.70	-11.30	46.00	43.06	18.66	2.23	29.25	---	---	Peak
6	612.00	32.87	-13.13	46.00	40.60	19.16	2.29	29.18	---	---	Peak

Test Mode :	Mode 4	Temperature :	25~26°C
Test Engineer :	Robin Luo	Relative Humidity :	49~50%
Test Distance :	3m	Polarization :	Vertical
Function Type :	GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone		



Site : 03CH01-SZ
Condition : FCC CLASS-B 3m LF ANT-V 121202 VERTICAL
Project : (FC) 340101
Mode : Mode 4

		Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	!	103.72	39.11	-4.39	43.50	57.09	11.50	1.17	30.65	---	---	Peak
2		323.91	36.88	-9.12	46.00	50.64	14.40	1.76	29.92	---	---	Peak
3	!	474.26	40.21	-5.79	46.00	50.45	17.12	2.06	29.42	---	---	Peak
4	P	540.22	42.63	-3.37	46.00	51.61	18.10	2.20	29.28	100	125	Peak
5		612.00	36.81	-9.19	46.00	44.54	19.16	2.29	29.18	---	---	Peak
6		744.89	34.66	-11.34	46.00	40.44	20.68	2.55	29.01	---	---	Peak

4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC LISN	ETS-LINDGREN	3816/2SH	00103912	0.1MHz~108MHz	Feb. 28, 2011	Apr. 04, 2013	Feb. 27, 2014	Conduction (CO01-SZ)
AC LISN	ETS-LINDGREN	3816/2SH	00103892	0.1MHz~108MHz	Feb. 28, 2011	Apr. 04, 2013	Feb. 27, 2014	Conduction (CO01-SZ)
ESCIO TEST Receiver	R&S	1142.8007.03	100724	9K-3GHz	Mar. 08, 2011	Apr. 04, 2013	Mar. 07, 2014	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1N/A	N/A	Oct. 12, 2011	Apr. 04, 2013	Oct. 11, 2013	Conduction (CO01-SZ)
AC LISN	SCHWARZBECK	NNLK 8121	8121370	10KHz-30MHz	Jun. 13, 2011	Apr. 04, 2013	Jun. 12, 2013	Conduction (CO01-SZ)
System Simulator	Agilent	E5515C	MY50264168	GSM/WCDMA /CDMA2000	Sep. 04, 2011	Apr. 04, 2013	Sep. 03, 2013	Conduction (CO01-SZ)
ESCI TEST Receiver	R&S	ESCI	100724	9K-3GHz	Mar. 28, 2013	Apr. 26, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
Spectrum Analyzer	R&S	FSP30	101362	9kHz~30GHz	Oct. 11, 2012	Apr. 26, 2013	Oct. 10, 2013	Radiation (03CH01-SZ)
Double Ridge Horn Amtenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 12, 2012	Apr. 26, 2013	Oct. 11, 2013	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30Mhz~2Ghz	Nov. 03, 2012	Apr. 26, 2013	Nov. 02, 2013	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9K-3000MHz GAIN 30db	Mar. 28, 2013	Apr. 26, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	Mar. 28, 2013	Apr. 26, 2013	Mar. 27, 2014	Radiation (03CH01-SZ)
System Simulator(FM)	R&S	CMU200	100954	GSM	Jun. 14, 2012	Apr. 26, 2013	Jun. 13, 2013	Radiation (03CH01-SZ)
System Simulator	Agilent	E5515C	MY50264168	GSM/WCDMA /CDMA2000	Oct. 09, 2012	Apr. 26, 2013	Oct. 08, 2013	Radiation (03CH01-SZ)

5. Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.26**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.72**

Appendix A. Photographs of EUT

Please refer to Sporton report number EP340101 as below.