

# **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



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

SPORTON INTERNATIONAL (SHENZHEN) INC. TEL : +86-755- 3320-2398 FCC ID : YHLBLUDIVAX

Page Number: 1 of 26Report Issued Date: May 22, 2013Report Version: Rev. 01



# TABLE OF CONTENTS

RE	VISIO	N HISTORY	.3
SU	MMAR	Y OF TEST RESULT	.4
1.	GENE	RAL DESCRIPTION	.5
	1.1.	Applicant	
	1.2.	Manufacturer	
	1.3.	Feature of Equipment Under Test	.5
	1.4.	Product Specification of Equipment Under Test	.5
	1.5.	Test Site	.6
	1.6.	Applied Standards	.6
2.	TEST	CONFIGURATION OF EQUIPMENT UNDER TEST	.7
	2.1.	Test Mode	.7
	2.2.	Connection Diagram of Test System	.9
	2.3.	Support Unit used in test configuration and system1	1
	2.4.	Test Software1	2
3.	TEST	RESULT1	3
	3.1.	Test of AC Conducted Emission Measurement1	13
	3.2.	Test of Radiated Emission Measurement1	
4.	LIST	OF MEASURING EQUIPMENT2	25
5.	UNCE	ERTAINTY OF EVALUATION	26
AP	PENDI	X A. PHOTOGRAPHS OF EUT	

**APPENDIX B. SETUP PHOTOGRAPHS** 



# **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
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	5.00 dB at
					0.390 MHz
					Under limit
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	6.36 dB at
5.2	15.109	Radialed Emission	< 15.109 minus	FA33	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 Specif	ication subjective to this standard
	GSM850: 824.2 MHz ~ 848.8 MHz
Tx Frequency	GSM1900: 1850.2 MHz ~ 1909.8MHz
	Bluetooth: 2402 MHz ~ 2480 MHz
	GSM850: 869.2 MHz ~ 893.8 MHz
Dy Fraguanay Panga	GSM1900: 1930.2 MHz ~ 1989.8 MHz
Rx Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
	FM: 88 MHz ~ 108 MHz
Antonno Tuno	WWAN : Fixed Internal Antenna
Antenna Type	Bluetooth : PIFA Antenna
	GSM: GMSK
	GPRS: GMSK
Type of Medulation	Bluetooth BDR (1Mbps) : GFSK
Type of Modulation	Bluetooth EDR (2Mbps) : $\pi$ /4-DQPSK
	Bluetooth EDR (3Mbps) : 8-DPSK
	FM



### 1.5. Test Site

Test Site	SPORTON INTER	NATIONAL (SHENZI	HEN) INC.			
Test Site Location	0.1		uth, Shahe River west, Fengzeyuan n, Guangdong, P.R.C.			
	TEL: +86-755- 3320-2398					
Test Site No	Sporton Site No. FCC/IC Registration No.					
Test Site 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).

		Те	est Conditio	on
Item	EUT Configuration	EMI	EMI	EMI
		AC	RE<1G	RE≥1G
1.	Charging Mode (EUT with adapter)	$\boxtimes$	$\square$	$\square$
2.	Data application transferred mode (EUT with PC)	$\boxtimes$	$\boxtimes$	$\boxtimes$

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

#### Abbreviations:

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



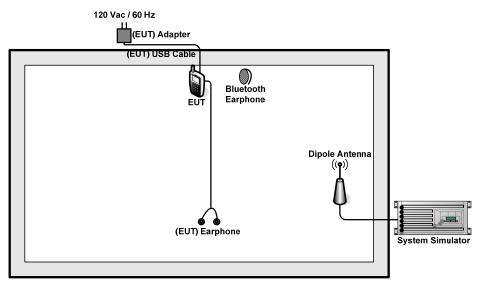
Test Items	EUT Configure Mode	Function Type	
		Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig.1></fig.1>	
AC Conducted	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MP3 <fig.1></fig.1>	
Emission	1/2	Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx <fig.2></fig.2>	
		Mode 4: GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone <fig.3></fig.3>	
		Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig.1></fig.1>	
Radiated	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MP3 <fig.1></fig.1>	
Emissions < 1GHz	172	172	Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx <fig.2></fig.2>
		Mode 4 : GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone <fig.3></fig.3>	
Radiated	4	Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera <fig.1></fig.1>	
$Emissions \geq 1GHz$	1	Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone <fig.3></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 I	ink mode of	AC Conducted Emission is mode 4; the test data of this mode was	
also report	ed.		

- 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.

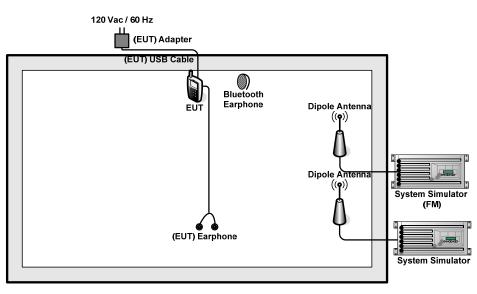


## 2.2. Connection Diagram of Test System

#### <EUT with Adapter Mode>

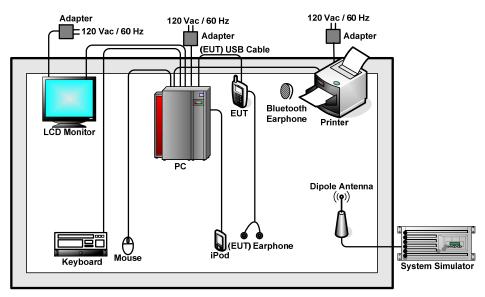






<Fig.2>





<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	Conducted	limit (dBuV)
(MHz)	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

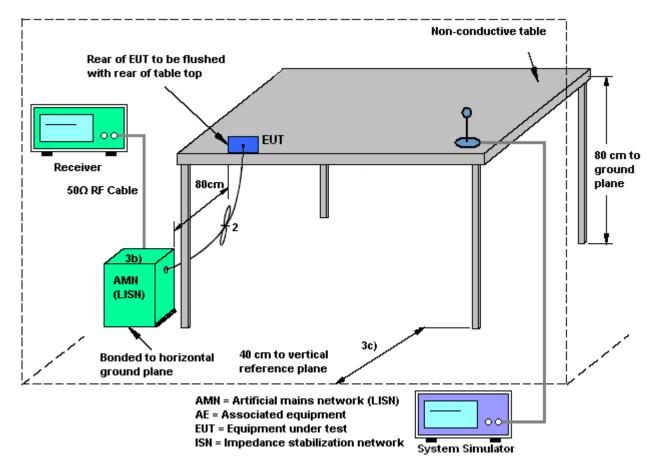
See list of measuring instruments of this test report.

#### 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.



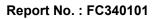
### 3.1.4 Test Setup





#### 3.1.5 Test Result of AC Conducted Emission

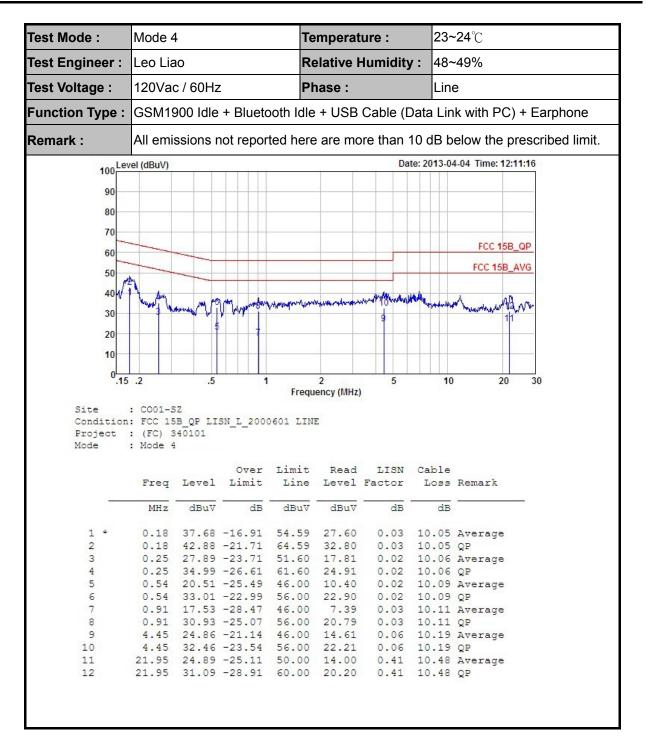
Test Mode :	Mode 3			Ten	nperatu	re :	23~2	<b>24</b> °C	
Test Engineer :	Leo Liao	)		Rel	ative H	umidity	48~4	19%	
Test Voltage :	120Vac	/ 60Hz		Pha	ase :		Line		
Function Type :	GSM850	) Idle + I	Bluetoot	h Idle +	USB Ca	ble (Cha	rging fr	om Adapter	) + Earphone
Function Type.	FM Rx								
Remark :	All emiss	sions no	ot reporte	ed here a	are mor	e than 10	) dB be	low the pres	scribed limit.
100	evel (dBuV)				1 12	Dat	te: 2013-04	4-04 Time: 11:42	2:07
90									
80									
70									20
60		_			s			FCC 15B_C	QP
-								FCC 15B_AV	VG
502	Barrall	MAR	41 4			1.4		Ā	
40	44 WAY WA	And Mut	When My willy	M.M.M.	MANYAMA	2		Alta	Ar
30	3 6				1	1 Munuline	at in standing the	when he and the second	ųν
20									
10					a a				
10	5 .2	.5	1		2 ency (MHz)	5	10	20	30
10	: CO01-S n: FCC 15	Z B_QP LI: 40101		Frequ	ency (MHz)	-	10	20	30
10 0.15 Site Condition Project	: CO01-S n: FCC 15 : (FC) 3	Z B_QP LI: 40101		Frequ	ency (MHz)		10 Cable	20	30
10 0.15 Site Condition Project	: CO01-S n: FCC 15 : (FC) 3 : Mode 3	Z B_QP LI: 40101	SN_L_2000	Frequ 0601 LIN Limit	ency (MHz) E	LISN	Cable	20 Remark	30
10 0.15 Site Condition Project	: CO01-S n: FCC 15 : (FC) 3 : Mode 3	Z B_QP LI: 40101	SN_L_2000 Over	Frequ 0601 LIN Limit	ency (MHz) E Read	LISN	Cable		30
10 0.15 Site Condition Project	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz	Z B_QP LI: 40101 Level dBuV	SN_L_2000 Over Limit	Frequ 0601 LIN Limit Line dBuV	Read Level dBuV	LISN Factor dB	Cable Loss dB		30
10 0.10 Site Condition Project Mode	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15	Z B_QP LI: 40101 Level dBuV 34.28 46.98	Over Limit -21.54 -18.84	Frequ D601 LIN Limit Line dBuV 55.82 65.82	Read Level dBuV 24.20 36.90	LISN Factor dB 0.03 0.03	Cable Loss dB 10.05 10.05	Remark Average QP	30
10 0.10 Site Condition Project Mode	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.18	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38	Over Limit -21.54 -25.26	Frequ 0601 LIN Limit Line dBuV 55.82 65.82 54.64	Read Level 24.20 36.90 19.30	LISN Factor dB 0.03 0.03 0.03	Cable Loss dB 10.05 10.05 10.05	Remark Average QP Average	30
10 0.15 Site Condition Project Mode 1 2 3 4	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.18 0.18	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48	Over Limit -21.54 -25.26 -20.16	Frequ 0601 LIN Limit Line dBuV 55.82 65.82 54.64 64.64	Read Level 24.20 36.90 19.30 34.40	LISN Factor dB 0.03 0.03 0.03 0.03 0.03	Cable Loss dB 10.05 10.05 10.05 10.05	Remark Average QP Average QP	30
10 0.15 Site Condition Project Mode 1 2 3 4 5	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.15 0.18 0.18 0.32	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48 27.49	Over Limit dB -21.54 -18.84 -25.26 -20.16 -22.31	Freque 0601 LIN Limit Line dBuV 55.82 65.82 54.64 64.64 49.80	Read Level 	LISN Factor dB 0.03 0.03 0.03 0.03 0.03 0.02	Cable Loss dB 10.05 10.05 10.05 10.05 10.05	Remark Average QP Average QP Average	30
10 0.15 Site Condition Project Mode 1 2 3 4 5 6	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.15 0.18 0.18 0.32 0.32	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48 27.49 35.59	Over Limit dB -21.54 -18.84 -25.26 -20.16 -22.31 -24.21	Freque 0601 LIN Limit Line dBuV 55.82 65.82 65.82 54.64 64.64 49.80 59.80	Read Level dBuV 24.20 36.90 19.30 34.40 17.40 25.50	LISN Factor dB 0.03 0.03 0.03 0.03 0.03 0.02 0.02	Cable Loss dB 10.05 10.05 10.05 10.05 10.07 10.07	Remark Average QP Average QP Average QP	30
10 0.15 Site Condition Project Mode 1 2 3 4 5	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.15 0.18 0.18 0.32 0.32 0.40	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48 27.49 35.59 41.10	Over Limit 	Freque 0601 LIN Limit Line dBuV 55.82 65.82 54.64 64.64 49.80 59.80 47.90	Read Level dBuV 24.20 36.90 19.30 34.40 17.40 25.50 31.01	LISN Factor dB 0.03 0.03 0.03 0.03 0.03 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.05 10.05 10.07 10.07 10.07	Remark Average QP Average QP Average QP Average	30
10 0.15 Site Condition Project Mode 1 2 3 4 5 6 7 *	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.15 0.18 0.18 0.32 0.32 0.32 0.40 0.40	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48 27.49 35.59 41.10 47.10	Over Limit dB -21.54 -18.84 -25.26 -20.16 -22.31 -24.21	Freque 0601 LIN Limit Line dBuV 55.82 65.82 54.64 64.64 49.80 59.80 47.90 57.90	Read Level dBuV 24.20 36.90 19.30 34.40 17.40 25.50 31.01 37.01	LISN Factor dB 0.03 0.03 0.03 0.03 0.03 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.05 10.05 10.07 10.07 10.07	Remark Average QP Average QP Average QP Average	30
10 0.15 Site Condition Project Mode 1 2 3 4 5 6 7 * 8	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.18 0.18 0.32 0.32 0.40 0.40 0.51	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48 27.49 35.59 41.10 47.10 31.71 38.91	Over Limit dB -21.54 -18.84 -25.26 -20.16 -22.31 -24.21 -6.80 -10.80 -10.80 -14.29 -17.09	Freque 0601 LIN Limit Line dBuV 55.82 65.82 54.64 64.64 49.80 59.80 47.90 57.90 46.00 56.00	Read Level dBuV 24.20 36.90 19.30 34.40 25.50 31.01 37.01 21.60 28.80	LISN Factor dB 0.03 0.03 0.03 0.03 0.03 0.03 0.02 0.02	Cable Loss dB 10.05 10.05 10.05 10.05 10.07 10.07 10.07 10.07 10.09 10.09	Remark Average QP Average QP Average QP Average QP Average QP	30
10 0.15 Site Condition Project Mode 1 2 3 4 5 6 7 * 8 9	: C001-S n: FCC 15 : (FC) 3 : Mode 3 Freq MHz 0.15 0.15 0.18 0.18 0.32 0.32 0.40 0.40 0.51 0.51 3.36	Z B_QP LI: 40101 Level dBuV 34.28 46.98 29.38 44.48 27.49 35.59 41.10 47.10 31.71 38.91 27.04	Over Limit dB -21.54 -18.84 -25.26 -20.16 -22.31 -24.21 -6.80 -10.80 -10.80 -14.29 -17.09	Freque D601 LIN Limit Line dBuV 55.82 65.82 54.64 64.64 49.80 59.80 47.90 57.90 46.00 56.00 46.00	Read Level dBuV 24.20 36.90 19.30 34.40 17.40 25.50 31.01 37.01 21.60 28.80 16.80	LISN Factor dB 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.0	Cable Loss dB 10.05 10.05 10.05 10.05 10.07 10.07 10.07 10.07 10.09 10.09	Remark Average QP Average QP Average QP Average QP Average QP Average	30





fest Mode :	Mode 3			Iei	Temperature : 23			<b>24</b> ℃
fest Engineer :	Leo Liao			Re	Relative Humidity :			49%
est Voltage :	120Vac/	/ 60Hz		Ph	ase :		Neu	tral
	GSM850	) Idle +	Bluetoot	h Idle +	USB Ca	able (Cha	arging fi	rom Adapte
unction Type :	FM Rx							
Remark :	All emiss	sions no	ot reporte	ed here	are mor	e than 10	0 dB be	low the pre
100	evel (dBuV)					Dat	te: 2013-04	4-04 Time: 11:3
90								
80								
70								
60					3			FCC 15B
50 🛱								FCC 15B_
	man	when			manador	WIT		A
40	L WAR	w w	the way have been a served to	- Marcharthart	A A A A A A A A A A A A A A A A A A A	1	the barrent	many of the
30	3				3	* Nythattan	R. Awello share	and a state of the
20								
20- 10-								
10	5 .2	.5	1		2 iency (MHz)	5	10	20
10 0.1 Site Conditio	5 .2 : COO1-5: n: FCC 151 : (FC) 3: : (FC) 3: : Mode 3	Z B_QP LI	SN_N_2000	Frequ	ency (MHz) TRAL			20
10 0.1 Site Conditio Project	: CO01-53 n: FCC 155 : (FC) 3- : Mode 3	Z B_QP LI. 40101	SN_N_2000 Over	Frequ D601 NEU Limit	rral Read	LISN	Cable	20 Remark
10 0. Site Conditio Project	: C001-S: n: FCC 15H : (FC) 3- : Mode 3 Freq	Z B_QP LI. 40101 Level	SN_N_2000 Over Limit	Frequ D601 NEU Limit Line	Read Level	LISN Factor	Cable Loss	
10 0. Site Conditio Project	: CO01-53 n: FCC 155 : (FC) 3- : Mode 3	Z B_QP LI. 40101	SN_N_2000 Over	Frequ D601 NEU Limit	rral Read	LISN	Cable	
10 0.1 Site Conditio Project Mode	: C001-53 n: FCC 155 : (FC) 3 : Mode 3 Freq MHz 0.16	Z B_QP LI 40101 Level dBuV 34.37	5N_N_2000 Over Limit dB -21.28	Frequ D601 NEU Limit Line dBuV 55.65	Read Level dBuV 24.30	LISN Factor dB 0.02	Cable Loss dB 10.05	Remark  Average
10 0.1 Site Conditio Project Mode	: C001-53 n: FCC 155 : (FC) 3 : Mode 3 Freq MHz 0.16 0.16	Z B_QP LI. 40101 Level dBuV 34.37 47.57	Over Limit -21.28 -18.08	Frequ 0601 NEU Limit Line dBuV 55.65 65.65	Read Level dBuV 24.30 37.50	LISN Factor dB 0.02 0.02	Cable Loss dB 10.05 10.05	Remark  Average QP
10 0.1 Site Conditio Project Mode	: C001-53 n: FCC 155 : (FC) 3 : Mode 3 Freq MHz 0.16	Z B_QP LI. 40101 Level dBuV 34.37 47.57 30.07	5N_N_2000 Over Limit dB -21.28	Frequ 0601 NEU Limit Line dBuV 55.65 65.65 54.64	Read Level 24.30 37.50 20.00	LISN Factor dB 0.02 0.02 0.02	Cable Loss dB 10.05 10.05	Remark Average QP Average
10 0.1 Site Conditio Project Mode	: C001-53 n: FCC 153 : (FC) 3 : Mode 3 Freq MHz 0.16 0.16 0.18	Z B_QP LI. 40101 Level dBuV 34.37 47.57 30.07 44.37	Over Limit -21.28 -18.08 -24.57	Frequ 0601 NEU Limit Line dBuV 55.65 65.65 54.64 64.64	Read Level 24.30 37.50 20.00 34.30	LISN Factor dB 0.02 0.02 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.05 10.05	Remark Average QP Average
10 0.1 Site Conditio Project Mode	: C001-53 n: FCC 153 : (FC) 3 : Mode 3 Freq MHz 0.16 0.16 0.18 0.18 0.27	Z B_QP LI. 40101 Level dBuV 34.37 47.57 30.07 44.37 33.68	Over Limit dB 18.08 24.57 20.27 17.48	Frequ 0601 NEU Limit Line dBuV 55.65 65.65 54.64 64.64 51.16	Read Level 24.30 37.50 20.00 34.30 23.60	LISN Factor dB 0.02 0.02 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.05 10.05 10.05	Remark Average QP Average QP Average
10 0.1 Site Conditio Project Mode 1 2 3 4 5 6 7 *	: C001-53 n: FCC 151 : (FC) 3 : Mode 3 Freq MHz 0.16 0.16 0.18 0.18 0.27 0.27 0.39	Z B_QP LI. 40101 dBuV 34.37 47.57 30.07 44.37 33.68 41.28 42.99	Over Limit 	Frequ 0601 NEU Limit Line dBuV 55.65 65.65 54.64 64.64 51.16 61.16 47.99	Read Level dBuV 24.30 37.50 20.00 34.30 23.60 31.20 32.90	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.05 10.05 10.06 10.06 10.06	Average QP Average QP Average QP Average QP Average
10 0.1 Site Conditio Project Mode 1 2 3 4 5 6 7 * 8	: C001-S: n: FCC 151 : (FC) 3 : Mode 3 Freq 0.16 0.16 0.18 0.18 0.27 0.27 0.27 0.39 0.39	Z B_QP LI. 40101 dBuV 34.37 47.57 30.07 44.37 33.68 41.28 42.99 47.09	Over Limit 	Frequ 0601 NEU Limit Line dBuV 55.65 54.64 64.64 51.16 61.16 47.99 57.99	Read Level dBuV 24.30 37.50 20.00 34.30 23.60 31.20 32.90 37.00	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.05 10.05 10.06 10.06 10.06 10.07 10.07	Average QP Average QP Average QP Average QP Average QP
10 0.1 Site Conditio Project Mode 1 2 3 4 5 6 7 * 8 9	: C001-S: n: FCC 151 : (FC) 3 : Mode 3 Freq 0.16 0.16 0.18 0.18 0.27 0.27 0.27 0.39 0.39 3.62	Z B_QP LI. 40101 dBuV 34.37 47.57 30.07 44.37 33.68 41.28 42.99 47.09 30.45	Over Limit dB -21.28 -18.08 -24.57 -20.27 -17.48 -19.88 -5.00 -10.90 -15.55	Frequ 0601 NEU Limit Line dBuV 55.65 54.64 64.64 51.16 61.16 61.16 47.99 57.99 46.00	Read Level dBuV 24.30 37.50 20.00 34.30 23.60 31.20 32.90 37.00 20.20	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.05 10.05 10.06 10.06 10.07 10.07 10.07	Average QP Average QP Average QP Average QP Average QP Average
10 0.1 Site Conditio Project Mode 1 2 3 4 5 6 7 * 8 9 10	: C001-S3 n: FCC 151 : (FC) 3 : Mode 3 Freq 0.16 0.16 0.18 0.18 0.27 0.27 0.27 0.39 0.39 3.62 3.62	Z B_QP LI. 40101 dBuV 34.37 47.57 30.07 44.37 33.68 41.28 42.99 47.09 30.45 39.55	Over Limit dB -21.28 -18.08 -24.57 -20.27 -17.48 -19.88 -5.00 -10.90 -15.55 -16.45	Frequ 0601 NEU Limit Line dBuV 55.65 54.64 64.64 51.16 61.16 61.16 47.99 57.99 46.00 56.00	Read Level dBuV 24.30 37.50 20.00 34.30 23.60 31.20 32.90 37.00 20.20 29.30	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.05 10.05 10.06 10.06 10.07 10.07 10.07 10.19	Average QP Average QP Average QP Average QP Average QP Average QP
10 0.1 Site Conditio Project Mode 1 2 3 4 5 6 7 * 8 9	: C001-S: n: FCC 151 : (FC) 3: : Mode 3 Freq 0.16 0.16 0.18 0.18 0.27 0.27 0.27 0.39 0.39 3.62 3.62 22.42	Z B_QP LI. 40101 dBuV 34.37 47.57 30.07 44.37 33.68 41.28 41.28 41.28 41.29 47.09 30.45 39.55 30.10	Over Limit dB -21.28 -18.08 -24.57 -20.27 -17.48 -19.88 -5.00 -10.90 -15.55 -16.45 -19.90	Frequ D601 NEU Limit Line dBuV 55.65 54.64 64.64 51.16 61.16 47.99 57.99 46.00 50.00	Read Level dBuV 24.30 37.50 20.00 34.30 23.60 31.20 32.90 37.00 20.20 29.30 19.00	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.05 10.05 10.06 10.06 10.07 10.07 10.07 10.19 10.19	Average QP Average QP Average QP Average QP Average QP Average QP Average







Test Mode :	Mode 4			Ter	nperatu	ire :	23~2	<b>24</b> ℃		<b>23~24</b> ℃		
lest Engineer :	Leo Liao			Re	Relative Humidity :			48~49%				
Fest Voltage :	120Vac /	/ 60Hz		Ph	ase :		Neu	tral				
Function Type :	GSM190	00 Idle -	+ Blueto	oth Idle	+ USB (	Cable (D	ata Link	k with PC	C) + Ea	arph		
Remark :	All emiss	sions no	ot report	ed here	are mor	e than 1	0 dB be	low the	prescr	ribed		
100	evel (dBuV)				a 12	Da	te: 2013-04	4-04 Time: '	12:15:10			
90												
90												
80												
70												
-								FCC 1	5B_QP			
60												
50					-			FCC 15	B_AVG			
40	An I					18.						
	1 march	1. 10 19	1mg manutur	um white the	19 you and have	and the second	Man tothe	Mushing and	MEWIN			
30		waikily). M	A mad			7	4	dial. ca	11			
		3										
20												
20												
20 10												
10					2					0		
10	5.2	.5	1	12.04.00	2 ency (MHz)	5	10	2	20 3	0		
10 0			1	12.04.00	2 ency (MHz)	-	10	2	20 3	0		
10 0 Site	5 .2 : CO01-S: n: FCC 155	Z		Frequ	ency (MHz)	-	10	2	20 3	0		
10 0.11 Site Condition	: CO01-S2	Z B_QP LI:		Frequ	ency (MHz)	-	10	2	20 3	0		
10 0.11 Site Condition	: CO01-52 n: FCC 155	Z B_QP LI:		Frequ	ency (MHz)	-	10	) 2	20 3	0		
10 0.11 Site Condition Project	: CO01-S n: FCC 15 : (FC) 34	Z B_QP LI:	SN_N_200	Frequ	ency (MHz) FRAL			2	20 3	0		
10 0.11 Site Condition Project	: CO01-5; n: FCC 15; : (FC) 34 : Mode 4	Z B_QP LI: 40101	SN_N_2000 Over	Frequ 0601 NEU Limit	ency (MHz) IRAL Read	LISN	Cable		20 3	0		
10 0.11 Site Condition Project	: CO01-5; n: FCC 15; : (FC) 34 : Mode 4	Z B_QP LI: 40101	SN_N_200	Frequ 0601 NEU Limit	ency (MHz) IRAL Read		Cable	Remark	20 3	0		
10 0.11 Site Condition Project	: CO01-5; n: FCC 15; : (FC) 34 : Mode 4	Z B_QP LI: 40101	SN_N_2000 Over	Frequ 0601 NEU Limit	ency (MHz) IRAL Read	LISN	Cable		20 3	0		
10 0.19 Site Condition Project Mode	: C001-53 n: FCC 155 : (FC) 3 : Mode 4 Freq MHz 0.17	Z B_QP LI: 40101 Level dBuV 31.68	Over Limit -23.22	Frequ 0601 NEU Limit Line dBuV 54.90	Read Level dBuV 21.61	LISN Factor dB 0.02	Cable Loss dB 10.05	Remark 		0		
10 0.19 Site Condition Project Mode	: C001-53 n: FCC 155 : (FC) 3 : Mode 4 Freq MHz 0.17 0.17	Z B_QP LI: 40101 Level dBuV 31.68 37.78	Over Limit -23.22 -27.12	Frequ 0601 NEU Limit Line dBuV 54.90 64.90	Read Level dBuV 21.61 27.71	LISN Factor dB 0.02 0.02	Cable Loss dB 10.05 10.05	Remark  Average QP		0		
10 0.19 Site Condition Project Mode 1 2 3	: C001-53 n: FCC 15F : (FC) 3 : Mode 4 Freq MHz 0.17 0.17 0.54	Z B_QP LI: 40101 Level dBuV 31.68 37.78 20.40	Over Limit -23.22 -27.12 -25.60	Frequ 0601 NEU Limit Line dBuV 54.90 64.90 46.00	Read Level 21.61 27.71 10.29	LISN Factor dB 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.09	Remark Average QP Average		0		
10 0.19 Site Condition Project Mode 1 2 3 4	: C001-53 n: FCC 15F : (FC) 3 : Mode 4 Freq MHz 0.17 0.17 0.54 0.54	Z B_QP LI: 40101 Level dBuV 31.68 37.78 20.40 32.70	Over Limit -23.22 -27.12 -25.60 -23.30	Frequ 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00	Read Level 21.61 27.71 10.29 22.59	LISN Factor dB 0.02 0.02 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.09 10.09	Remark Average QP Average QP		0		
10 0.19 Site Condition Project Mode 1 2 3 4 5	: C001-53 n: FCC 15F : (FC) 3 : Mode 4 Freq MHz 0.17 0.17 0.54 0.54 0.90	Z B_QP LI: 40101 Level dBuV 31.68 37.78 20.40 32.70 17.53	Over Limit -23.22 -27.12 -25.60 -23.30 -28.47	Frequ 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00 46.00	Read Level 21.61 27.71 10.29 22.59 7.40	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.09 10.09 10.11	Remark Average QP Average QP Average		0		
10 0.1 Site Condition Project Mode 1 2 3 4 5 6	: C001-53 n: FCC 15F : (FC) 34 : Mode 4 Freq MHz 0.17 0.17 0.54 0.54 0.90 0.90	Z B_QP LIS 40101 Level dBuV 31.68 37.78 20.40 32.70 17.53 30.33	Over Limit 	Frequ 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00 46.00 56.00	Read Level dBuV 21.61 27.71 10.29 22.59 7.40 20.20	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02	Cable Loss dB 10.05 10.05 10.09 10.09 10.11 10.11	Remark Average QP Average QP Average QP	 	0		
10 0.1 Site Condition Project Mode 1 2 3 4 5 6 7 *	: C001-53 n: FCC 15F : (FC) 34 : Mode 4 Freq 0.17 0.17 0.54 0.54 0.90 0.90 4.38	Z B_QP LIS 40101 Level dBuV 31.68 37.78 20.40 32.70 17.53 30.33 24.66	Over Limit 	Frequ 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00 46.00 56.00 46.00	Read Level dBuV 21.61 27.71 10.29 22.59 7.40 20.20 14.40	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.09 10.09 10.11 10.11 10.19	Average QP Average QP Average QP Average QP	 	0		
10 0.1 Site Condition Project Mode 1 2 3 4 5 6	: C001-53 m: FCC 15F : (FC) 34 : Mode 4 Freq MHz 0.17 0.17 0.54 0.54 0.90 0.90 4.38 4.38	Z B_QP LIS 40101 Level dBuV 31.68 37.78 20.40 32.70 17.53 30.33 24.66 32.76	Over Limit dB -23.22 -27.12 -25.60 -23.30 -28.47 -25.67 -21.34 -23.24	Freque 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00 46.00 56.00 46.00 56.00	Read Level dBuV 21.61 27.71 10.29 22.59 7.40 20.20 14.40 22.50	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.09 10.11 10.11 10.11 10.19 10.19	Average QP Average QP Average QP Average QP Average QP		0		
10 0.1 Site Condition Project Mode 1 2 3 4 5 6 7 * 8	: C001-53 n: FCC 15F : (FC) 34 : Mode 4 Freq 0.17 0.17 0.54 0.54 0.90 0.90 4.38 4.38 7.14	Z B_QP LIS 40101 Level dBuV 31.68 37.78 20.40 32.70 17.53 30.33 24.66 32.76 23.33	Over Limit 	Freque 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00 46.00 56.00 46.00 56.00 56.00	Read Level dBuV 21.61 27.71 10.29 22.59 7.40 20.20 14.40 22.50 13.00	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.09 10.11 10.11 10.11 10.19 10.19	Average QP Average QP Average QP Average QP Average QP		0		
10 0.1 Site Condition Project Mode 1 2 3 4 5 6 7 * 8 9	: C001-53 n: FCC 153 : (FC) 3- : Mode 4 Freq 0.17 0.17 0.54 0.90 0.90 4.38 4.38 7.14 7.14	Z B_QP LIS 40101 Level dBuV 31.68 37.78 20.40 32.70 17.53 30.33 24.66 32.76 23.33 31.23	Over Limit dB -23.22 -27.12 -25.60 -23.30 -28.47 -25.67 -21.34 -23.24 -23.24 -26.67	Freque 0601 NEU Limit Line dBuV 54.90 64.90 46.00 56.00 46.00 56.00 46.00 56.00 56.00 50.00 60.00	Read Level dBuV 21.61 27.71 10.29 7.40 20.20 14.40 22.50 13.00 20.90	LISN Factor dB 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.0	Cable Loss dB 10.05 10.05 10.09 10.09 10.11 10.11 10.19 10.19 10.20 10.20	Average QP Average QP Average QP Average QP Average QP		0		



### 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	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(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.

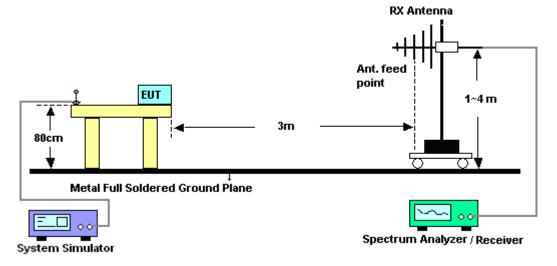
#### 3.2.3. Test Procedures

- 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

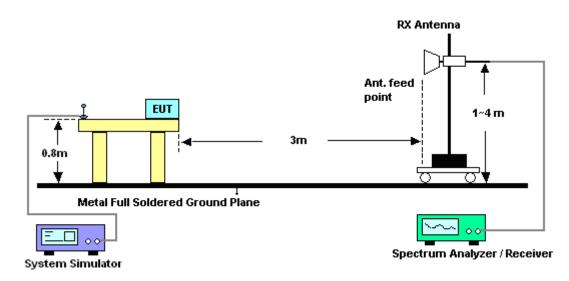


### 3.2.4. Test Setup of Radiated Emission

#### For radiated emissions from 30MHz to 1GHz

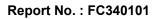


#### For radiated emissions above 1GHz



### 3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 1			Temp	eratu	re :	2	5~26°(			
Test Engineer :	Robin Luc	)		Relat	ive Hu	umidity	<b>y</b> : 4	49~50%			
Test Distance :	3m			Polar	izatio	n :	ŀ	lorizon	tal		
Function Type :	GSM850 I	ldle + Blueto	oth Id	le + US	SB Ca	ble (Cł	nargin	ig from	Adapte	r) + Earph	one +
i unction type .	Camera										
120 Level (c	iBuV/m)								Date: 2	013-04-25	
108.0											
96.0											
84.0									FCC	CLASS-B	
72.0										-6dB	
60.0									FCC CLA	SS-B(AV)	
48.0	_									-6dB	
36.0 <b>5</b> 6											
24.0											
12.0											
030 1	000.	3000.	5000.		7000.		9000.		11000.	13000	
				Frequen						10000	
Site Condition Brainst		SS-B 3m LF AN	T-H 1212	202 HOR	IZONTAI	L					
Project Mode	: (FC) 340 : Mode 1	101									
I	req Level	Over Limit Limit Line	ReadA Level	ntenna Factor	Cable Loss	Preamp Factor	A/Pos	T/Pos	Remark		
	MHz dBuV/m	dB dBuV/m	dBuV	dB/m	dB	dB	cm	deg			
2 P 66	6.86 31.69	-6.36 40.00 -8.31 40.00	55.66	9.10		30.52 30.55	200		Peak		
4 144	4.46 31.11 -	-9.70 43.50 -12.39 43.50 -11.99 43.50	49.18	11.20	1.17 1.25 1.39	30.52			Peak Peak Peak		
		-14.89 46.00							Peak		

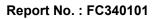




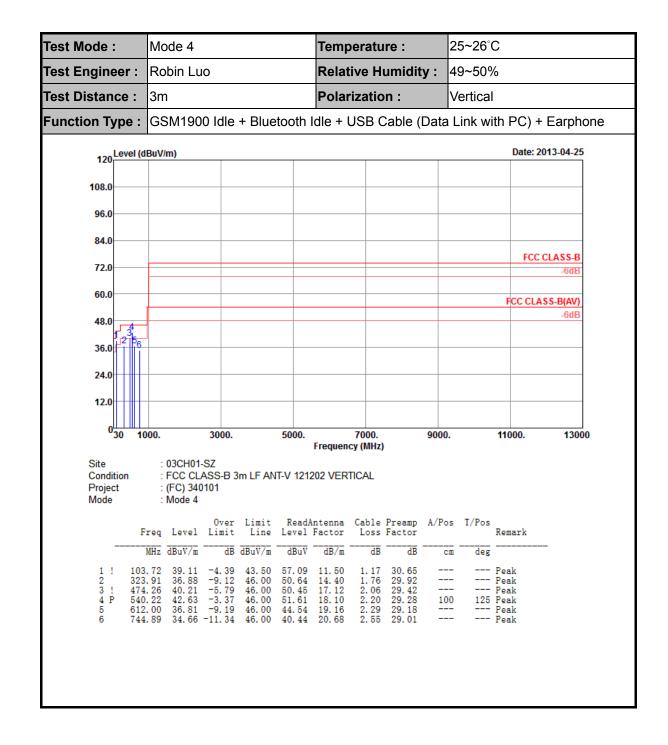
Fest Mode :	Mode 1				Temperature :			25	25~26°C		
est Engineer :	Robin Lu	10			Relat	ive Hu	umidit	<b>y</b> : 49	9~50%	, 0	
est Distance :	3m				Polar	izatio	n :	Ve	Vertical		
	GSM850	Idle + E	Blueto	oth Id	lle + Us	SB Ca	ble (Cl	harging	g from	Adapte	er) + Ear
Function Type :	Camera										
120	dBuV/m)									Date:	2013-04-25
120											
108.0											
96.0											
84.0											
72.0										FC	C CLASS-B -6dB
60.0											-00D
										FCC CL	ASS-B(AV) -6dB
48.0											
36.0 <sup>2</sup>											
24.0											
12.0											
030 1	000	2000		5000		7000				44000	4200
30 1	000.	3000.		5000.	Frequen	7000. cy (MHz)	)	9000.		11000.	1300
Site Condition Project Mode	: 03CH01 : FCC CL : (FC) 34 : Mode 1	ASS-B 3n	n LF AN	IT-V 121	202 VER	TICAL					
I	Freq Level	Over Limit	Limit Line	Read/ Level	Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark	
	MHz dBuV/m	dB d	lBuV/m	dBuV	dB/m	dB	dB	cm	deg		
	5.52 36.24 5.22 35.04	-4.96	40.00	59.02		0.83	30.52 30.51	100		Peak Peak	
	2 77 21 /2	-12.07			9.97	1.27				Peak Peak Peak	
3 10 4 15	8.04 25.44 8.11 26.96			46 52	Q 45	1 35	30.37				



Test Mode :	Mode 4		Temperature :		25~26°C		
lest Engineer :	Robin Luo		Relative Humidi	ity :	49~50%		
Fest Distance :	3m		Polarization :		Horizonta	l	
Function Type :	GSM1900 Idle	+ Bluetooth Id	lle + USB Cable	(Data	a Link with	PC) + Earph	one
120 Level (dE	uV/m)					Date: 2013-04-25	
108.0							
96.0							
84.0							
72.0						FCC CLASS-B -6dB	
60.0					F	CC CLASS-B(AV)	
48.0						-6dB	
36.0 <sup>2345</sup>							
24.0							
12.0							
030 100	00. 3000.	5000.	7000. equency (MHz)	9000.	110	00. 13000	)
Site Condition Project Mode	: (FC) 340101 : Mode 4	m LF ANT-H 121202	HORIZONTAL	1/2	- T/D		
Fr	eq Level Limit	Limit ReadAnte Line Level Fac	enna Cable Preamp ctor Loss Factor	A/ POS	s I/Pos Rema	ark	
			dB/m dB dB	CI	-		
4 419. 5 564.		43.50 53.93 4 46.00 49.11 14 46.00 46.19 10 46.00 43.06 13	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	100	) 258 Peal Peal Peal Peal	k k k	









# 4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC LISN	ETS-LINDGR EN	3816/2SH	00103912	0.1MHz~108MH z	Feb. 28, 2011	Apr. 04, 2013	Feb. 27, 2014	Conduction (CO01-SZ)
AC LISN	ETS-LINDGR EN	3816/2SH	00103892	0.1MHz~108MH z	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	SCHWARZBE CK	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	2.26
Confidence of 95% (U = 2Uc(y))	2.26

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

Confidence of 95% (U = 2Uc(y))	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%	4.72
(U=2Uc(y))	



# Appendix A. Photographs of EUT

Please refer to Sporton report number EP340101 as below.