

Report No.: FC411005

# **FCC Test Report**

APPLICANT : CT Asia

**Mobile Phone EQUIPMENT** 

**BRAND NAME** : BLU

MODEL NAME : Hero JR

**FCC ID** : YHLBLUHEROJR

**STANDARD** : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Jan. 10, 2014 and testing was completed on Feb. 14, 2014. 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 to be compliant 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: Louis Wu / Manager

Louis Win

Approved 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.

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Testing Laboratory 2353



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**REVISION HISTORY** 

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC411005	Rev. 01	Initial issue of report	Feb. 21, 2014

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**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	8.06 dB at
					0.160 MHz
					Under limit
2.2	45.400	45 400 Padiated Fasiasian	< 15.109 limits	PASS	2.45 dB at
3.2	15.109	Radiated Emission	< 15.109 IIIIIIS	PASS	180.350 MHz
					for Quasi-Peak

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### 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**

4/F., H-3 Building, OCT Eastern Industrial Park. NO.1 Xiangshan East Road., Nan Shan District, Shenzhen, P.R. CHINA

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### 1.3. Feature of Equipment Under Test

	Product Feature
Equipment	Mobile Phone
Brand Name	BLU
Model Name	Hero JR
FCC ID	YHLBLUHEROJR
EUT supports Radios application	GSM/GPRS/Bluetooth v3.0+EDR
HW Version	v1.0
SW Version	F3500BP_PP_00_06
EUT Stage	Pre-Production

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				
Rx Frequency	Bluetooth: 2402 MHz ~ 2480 MHz GSM850 : 869.2 MHz ~ 893.8 MHz GSM1900 : 1930.2 MHz ~ 1989.8 MHz				
. ,	Bluetooth: 2402 MHz ~ 2480 MHz WWAN: IFA Antenna				
Antenna Type	Bluetooth : PCB Antenna				
Type of Modulation	GSM: GMSK GPRS: GMSK Bluetooth 3.0 EDR : GFSK, $\pi$ /4-DQPSK, 8-DPSK				

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### 1.5. Modification of EUT

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

### 1.6. 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- 332		FCC Registration No.			
Test Site No.	CO01-SZ	03CH01-SZ	831040			

### 1.7. 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.

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### 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.

		Te	st Condition	on	
Item	EUT Configuration	EMI AC	EMI RE<1G	EMI RE≥1G	
1.	Charging Mode (EUT with adapter)			Note 1	
2.	Data application transferred mode			$\boxtimes$	
	(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.

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Test Items	EUT Configure Mode	Function Type
		Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera + SIM 1 <fig.1></fig.1>
AC Conducted Emission	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 + SIM 1 <fig.1></fig.1>
		Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM 1 <fig.2></fig.2>
		Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera + SIM 1 <fig.1></fig.1>
Radiated Emissions < 1GHz	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 + SIM 1 <fig.1></fig.1>
		Mode 3: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM 1 <fig.2></fig.2>
Radiated Emissions ≥ 1GHz	2	Mode 1: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM 1 <fig.2></fig.2>

#### Remark:

- 1. The worst case of AC is mode 3; only the test data of this mode was reported.
- 2. The worst case of RE < 1G is mode 3; only the test data of this mode was reported.
- 3. Link with Notebook means data application transferred mode between EUT and Notebook.

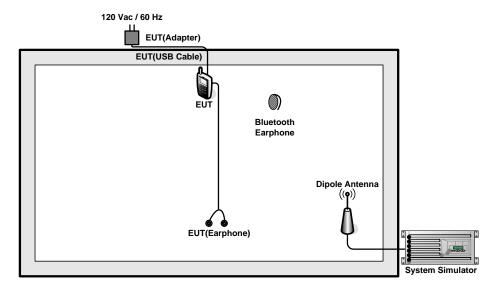
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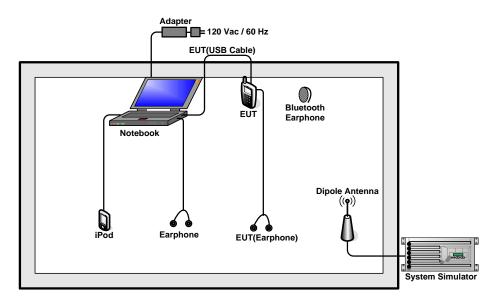


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### 2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>

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### 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	CMW 500	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A
3.	Notebook	DELL	Vostro2420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Vostro1440	FCC DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
5.	iPod nano 8GB	Apple	MC690 ZP/A	FCC DoC	Shielded, 1.2m	N/A
6.	Earphone	Eimuse	E-500MV	FCC DoC	Unshielded, 2.2 m	N/A

### 2.4. EUT Operation Test Setup

The EUT was in GSM 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, 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. Execute "Video player" to play MPEG4 files.
- 3. Turn on camera to capture images.

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### 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.

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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

<sup>\*</sup>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.

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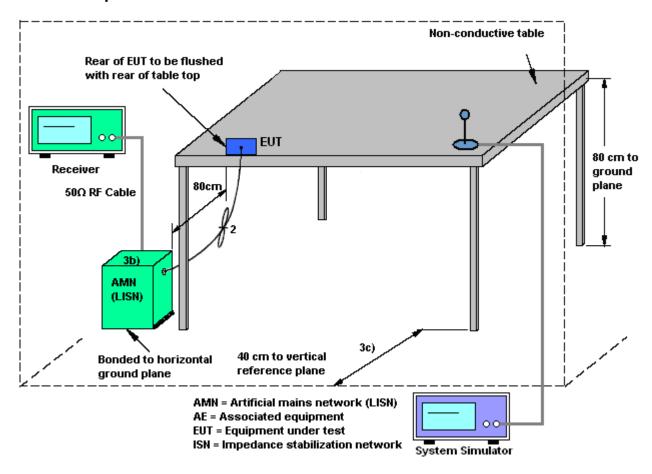
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### 3.1.4 Test Setup

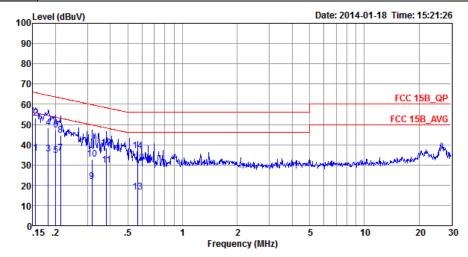


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3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 3	Temperature :	<b>21~22</b> ℃		
Test Engineer :	Leo Liao	Relative Humidity :	41~42%		
Test Voltage :	120Vac / 60Hz	Phase :	Line		
Function Time	GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone				
Function Type :	+ SIM 1				



Site : CO01-SZ

Condition: FCC 15B\_QP LISN\_L\_20130328 LINE

Project : (FC)411005 Mode : Mode 3

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu₹	dB	dBu∀	dBu₹	dB	dB	
1	0.16	35.81	-19.88	55.69	25.40	0.06	10.35	Average
2 *	0.16	53.21	-12.48	65.69	42.80	0.06	10.35	QP
3	0.18	35.58	-18.79	54.37	25.20	0.07	10.31	Average
4	0.18	48.38	-15.99	64.37	38.00	0.07	10.31	QP
5	0.20	34.76	-18.82	53.58	24.40	0.07	10.29	Average
6	0.20	47.16	-16.42	63.58	36.80	0.07	10.29	QP
7	0.21	35.75	-17.35	53.10	25.40	0.07	10.28	Average
8	0.21	44.55	-18.55	63.10	34.20	0.07	10.28	QP
9	0.32	21.90	-27.90	49.80	11.60	0.11	10.19	Average
10	0.32	32.80	-27.00	59.80	22.50	0.11	10.19	QP
11	0.38	29.90	-18.35	48.25	19.60	0.12	10.18	Average
12	0.38	38.20	-20.05	58.25	27.90	0.12	10.18	QP
13	0.56	16.50	-29.50	46.00	6.20	0.15	10.15	Average
14	0.56	36.80	-19.20	56.00	26.50	0.15	10.15	QP

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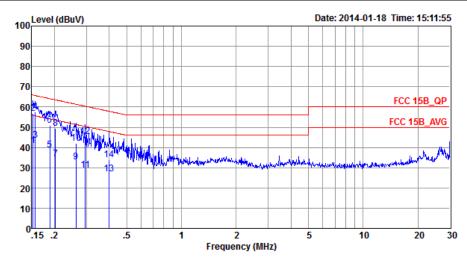


Test Mode: Mode 3 Temperature: 21~22°C

Test Engineer: Leo Liao Relative Humidity: 41~42%

Test Voltage: 120Vac / 60Hz Phase: Neutral

Function Type: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone + SIM 1



Site : CO01-SZ

Condition: FCC 15B\_QP LISN\_N\_20130328 NEUTRAL

Project : (FC)411005 Mode : Mode 3

			Over	Limit	Read	LISN	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBu∀	dB	dBuV	dBuV	dB	dB	
1	0.15	41.00	-14.87	55.87	30.60	0.04	10.36	Average
2	0.15	57.00	-8.87	65.87	46.60	0.04	10.36	QP
3	0.16	43.39	-12.26	55.65	33.00	0.04	10.35	Average
4 4	0.16	57.59	-8.06	65.65	47.20	0.04	10.35	QP
5	0.19	38.85	-15.26	54.11	28.50	0.04	10.31	Average
6	0.19	50.75	-13.36	64.11	40.40	0.04	10.31	QP
7	0.20	34.23	-19.26	53.49	23.90	0.04	10.29	Average
8	0.20	49.53	-13.96	63.49	39.20	0.04	10.29	QP
9	0.26	32.77	-18.57	51.34	22.50	0.04	10.23	Average
10	0.26	42.17	-19.17	61.34	31.90	0.04	10.23	QP
11	0.30	28.74	-21.63	50.37	18.50	0.04	10.20	Average
12	0.30	45.44	-14.93	60.37	35.20	0.04	10.20	QP
13	0.40	27.01	-20.85	47.86	16.80	0.04	10.17	Average
14	0.40	34.11	-23.75	57.86	23.90	0.04	10.17	QP

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#### 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  $(dB\mu V/m) = 20 \log Emission level (\mu V/m)$
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

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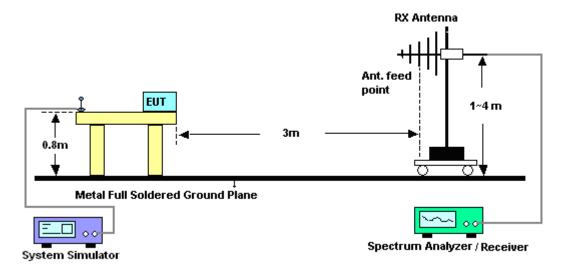
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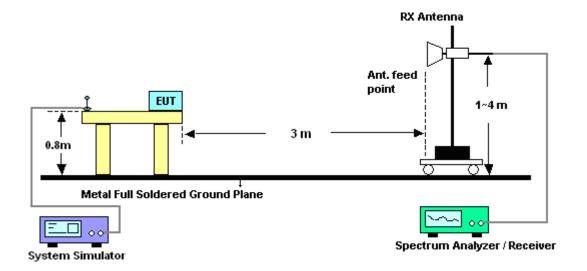
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### 3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



#### For radiated emissions above 1GHz



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3.2.5. Test Result of Radiated Emission

Test Mode :			Mode 3					Temperature :			23~24°C		
Test Engine	Robin Luo				Relative Humidity :			<b>y</b> : 5	55~60%				
Test Distan	3m				Polarization :			Н	orizon	tal			
		GSN	/1850	Idle +	Blueto	oth Id	le + U	SB Ca	ble (D	ata Lir	nk with	Noteb	ook) + Ea
Function Type :		+ SII	M 1										
Remark :	#6 is	ssys	tem sir	nulato	r signa	al whic	h can	be ign	ored.				
117	Level (d	BuV/m	)							Da	ite: 2014	-02-14 Ti	me: 16:52:11
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			BuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
		MHz dE	,						20 40	100	225	QP	
	2 180	.35 4	41.05				10.00 12.27		30.40	100	214	OP	
2 3	Q 180 ! 263 ! 384	.35 4	41.05 42.84 40.07	-3.16 -5.93	46.00 46.00	58.79 52.12	12.27 15.42	1.90 2.25	30.12 29.72	100		Peak	
2	2 180 ! 263 ! 384 P 462	.35 4 .77 4 .05 4	41.05 42.84 40.07 40.45	-3.16 -5.93 -5.55	46.00 46.00	58.79 52.12 51.08	12.27 15.42 16.39	1.90 2.25 2.44	30.12	100		_	
2 3 4 F 5	2 180 ! 263 ! 384 P 462 708 881	.35 4 .77 4 .05 4 .62 4 .03 3	41.05 42.84 40.07 40.45 36.51 37.53	-3.16 -5.93 -5.55 -9.49	46.00 46.00 46.00 46.00	58.79 52.12 51.08 43.36 42.31	12.27 15.42 16.39 19.23 20.76	1.90 2.25 2.44 2.98 3.29	30.12 29.72 29.46 29.06 28.83	100  		Peak Peak Peak Peak	
2 3 4 F 5	2 180 ! 263 ! 384 ? 462 708 881 960	.35 4 .77 4 .05 4 .62 4 .03 3 .66 3	41.05 42.84 40.07 40.45 36.51 37.53 36.44	-3.16 -5.93 -5.55 -9.49	46.00 46.00 46.00	58.79 52.12 51.08 43.36 42.31 40.43	12.27 15.42 16.39 19.23 20.76 21.30	1.90 2.25 2.44 2.98 3.29 3.43	30.12 29.72 29.46 29.06	100		Peak Peak Peak	
2 3 4 F 5 6 7 8 9	2 180 2 263 384 7 462 708 881 960 1594	.35 4 .77 4 .05 4 .62 4 .03 3 .66 3 .23 3	41.05 42.84 40.07 40.45 36.51 37.53 36.44 37.62 35.42	-3.16 -5.93 -5.55 -9.49 -17.56 -36.38 -38.58	46.00 46.00 46.00 46.00 54.00 74.00 74.00	58.79 52.12 51.08 43.36 42.31 40.43 62.51 53.41	12.27 15.42 16.39 19.23 20.76 21.30 27.76 33.10	1.90 2.25 2.44 2.98 3.29 3.43 4.49 7.62	30.12 29.72 29.46 29.06 28.83 28.72 57.14 58.71	100		Peak Peak Peak Peak Peak Peak Peak	
2   3   4   F   5   6   7   8   9   10	2 180 2 263 384 7 462 708 881 960 1594 3974	.35 4 .77 4 .05 4 .03 3 .66 3 .23 3 .00 3	41.05 42.84 40.07 40.45 36.51 37.53 36.44 37.62 35.42	-3.16 -5.93 -5.55 -9.49 -17.56 -36.38 -38.58 -37.39	46.00 46.00 46.00 54.00 74.00 74.00 74.00	58.79 52.12 51.08 43.36 42.31 40.43 62.51 53.41 49.27	12.27 15.42 16.39 19.23 20.76 21.30 27.76 33.10 34.00	1.90 2.25 2.44 2.98 3.29 3.43 4.49 7.62 9.37	30.12 29.72 29.46 29.06 28.83 28.72 57.14 58.71 56.03	100		Peak Peak Peak Peak Peak Peak Peak Peak	
2 3 4 F 5 6 7 8 9	Q 180 1 263 1 384 2 462 708 881 960 1594 3974 6112 7788 9390	.35 4 .77 4 .05 4 .03 3 .66 3 .23 .00 3 .00 3	41.05 42.84 40.45 36.51 37.53 36.44 37.62 35.42 36.61 36.45 39.21	-3.16 -5.93 -5.55 -9.49 -17.56 -36.38 -38.58 -37.39 -37.55 -34.79	46.00 46.00 46.00 54.00 74.00 74.00 74.00 74.00 74.00	58.79 52.12 51.08 43.36 42.31 40.43 62.51 53.41 49.27 48.09 47.11	12.27 15.42 16.39 19.23 20.76 21.30 27.76 33.10	1.90 2.25 2.44 2.98 3.29 3.43 4.49 7.62 9.37 10.42 11.65	30.12 29.72 29.46 29.06 28.83 28.72 57.14 58.71 56.03 56.57 55.87	100		Peak Peak Peak Peak Peak Peak Peak	

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23~24°C Test Mode: Mode 3 Temperature: **Relative Humidity:** Test Engineer: Robin Luo 55~60% 3m **Polarization:** Vertical Test Distance: GSM850 Idle + Bluetooth Idle + USB Cable (Data Link with Notebook) + Earphone Function Type: + SIM 1 Remark: #7 is system simulator signal which can be ignored. 117 Level (dBuV/m) Date: 2014-02-14 Time: 16:52:17 110 90 FCC CLASS-B 70 6dF FCC CLASS-B (AVG) 50 13 12 10 30 7000. 11000. 13000 1000. 3000. 5000. 9000. Frequency (MHz) : 03CH01-SZ Site Condition : FCC CLASS-B 3m LF\_ANT\_140102 VERTICAL Project (FC)411005 Mode : Mode 3 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark dB dBuV/m MHz dBuV/m dBuV dB dB/m dB cm deg 180.35 35.18 -8.32 43.50 10.00 1.62 --- Peak 203.63 35.79 -7.71 43.50 53.78 10.62 30.32 323.91 41.26 -4.74 46.00 54.92 14.18 2.08 29.92 100 360 Peak 40.41 -5.59 46.00 38.29 -7.71 46.00 335.55 54.05 14.12 2.12 29.88 ------ Peak --- Peak 461.65 48.95 16.37 2.43 29.46 46.00 623.64 35.04 -10.96 18.65 2.82 --- Peak 881.66 37.74 42.52 20.76 3.29 28.83 --- Peak 39.80 -34.20 74.00 ------ Peak 1598.00 64.69 27.76 4.49 57.14 3990.00 37.83 -36.17 55.85 7.62 74.00 33.10 58.74 --- Peak 5576.00 37.31 -36.69 74.00 50.56 34.00 9.06 56.31 --- Peak 10 --- Peak 7914.00 36.89 -37.11 74.00 47.95 34.75 10.59 56.40 12 10010.00 39.25 -34.75 74.00 46.59 36.99 12.67 57.00 11484.00 40.04 -33.96 74.00 45.30 37.77 13.39 56.42 152 132 Peak

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
ESCIO Test Receiver	R&S	ESCI	100724	9kHz~3GHz	Mar. 29, 2013	Jan. 18, 2014	Mar. 28, 2014	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Mar. 28, 2013	Jan. 18, 2014	Mar. 27, 2014	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Mar. 28, 2013	Jan. 18, 2014	Mar. 27, 2014	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Vac	Dec. 17, 2013	Jan. 18, 2014	Dec. 16, 2014	Conduction (CO01-SZ)
Spectrum Analyzer	Agilent Technologies	N9038A	MY52260185	20Hz~26.5GHz	Apr. 04, 2013	Feb. 14, 2014	Apr. 03, 2014	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 26, 2013	Feb. 14, 2014	Oct. 25, 2014	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30MHz~2GHz	Dec. 23, 2013	Feb. 14, 2014	Dec. 22, 2014	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3000MHz	Mar. 29, 2013	Feb. 14, 2014	Mar. 28, 2014	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	Mar. 29, 2013	Feb. 14, 2014	Mar. 28, 2014	Radiation (03CH01-SZ)
SHF-EHF-Horn	Schwarzbeck	BBHA9170	BBHA917024 9	14GHz~40GHz	Nov. 22, 2013	Feb. 14, 2014	Nov. 21, 2014	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz-30MHz	May 29, 2013	Feb. 14, 2014	May 28, 2014	Radiation (03CH01-SZ)
Turn Table	EM Electronics	EM 1000	N/A	0~360 degree	NCR	Feb. 14, 2014	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM Electronics	EM 1000	N/A	1 m~4 m	NCR	Feb. 14, 2014	NCR	Radiation (03CH01-SZ)

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### FCC Test Report

## 5. Uncertainty of Evaluation

### <u>Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)</u>

Measuring Uncertainty for a Level of	2.26
Confidence of 95% (U = 2Uc(y))	2.20

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

B.	
Measuring Uncertainty for a Leve	of 3.90
Confidence of 95% (U = 2Uc(y))	3.90

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