

FCC Test Report

APPLICANT : CT Asia

EQUIPMENT : **GSM** mobile phone

BRAND NAME : BLU
MODEL NAME : Hero II

FCC ID : YHLBLUHEROII

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Feb. 22, 2013 and completely tested on Mar. 15, 2013. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager





Report No.: FC322205

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

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUHEROII Page Number : 1 of 24
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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC322205	Rev. 01	Initial issue of report	Mar. 19, 2013

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.107	7.2.4	AC Conducted Emission	< 15.107 limits < RSS-Gen table 2 limits	PASS	Under limit 9.45 dB at 0.440 MHz
3.2	15.109	7.2.3.2	Radiated Emission	< 15.109 limits or < RSS-Gen table 1 limits (Section 6)	PASS	Under limit 3.43 dB at 103.720 MHz

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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

WINGTECH GROUP INCORPORATION LIMITED

floor 1-3, YinFengDaSha, NO 5097, LuoSha Road, LuoHu District, ShenZhen, China

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1.3. Feature of Equipment Under Test

	Product Feature
Equipment	GSM mobile phone
Brand Name	BLU
Model Name	Hero II
FCC ID	YHLBLUHEROII
EUT supports Radios application	GSM/GPRS/WLAN 11bgn/Bluetooth
HW Version	92235_1_11
SW Version	BLU-EV02-V11-GENERIC
EUT Stage	Production Unit

Remark:

- 1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- 2. There are two different types of EUT. They are single SIM card mobile and dual SIM card mobile. The others are the same including circuit design, PCB board, structure and all components. It is special to declare. After pre-scan two types of EUT, we found test result of the sample that dual SIM was the worst, so we choose dual SIM card mobile to perform all tests.

1.4. Product Specification of Equipment Under Test

Product Specification subjective to this standard					
	GSM850: 824.2 MHz ~ 848.8 MHz				
Tx Frequency	GSM1900: 1850.2 MHz ~ 1909.8MHz				
1 x 1 requericy	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	GSM850: 869.2 MHz ~ 893.8 MHz				
	GSM1900: 1930.2 MHz ~ 1989.8 MHz				
Rx Frequency Range	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	Bluetooth: 2402 MHz ~ 2480 MHz				
	FM: 88 MHz ~ 108 MHz				
	WWAN : Fixed Internal Antenna				
Antenna Type	WLAN: PIFA Antenna				
	Bluetooth : PIFA Antenna				
	GSM: GMSK				
	GPRS: GMSK				
	802.11b: DSSS (DBPSK / DQPSK / CCK)				
Type of Modulation	802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)				
Type of Modulation	Bluetooth BDR (1Mbps) : GFSK				
	Bluetooth EDR (2Mbps) : π /4-DQPSK				
	Bluetooth EDR (3Mbps) : 8-DPSK				
	FM				

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1.5. Test Site

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.				
	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C.				
Test Site Location	TEL: +86-0512-5790-0158				
	FAX: +86-0512-5790-0958				
Tool Cita No	Sporton Site No. FCC/IC Registratio				
Test Site No.	CO01-KS	03CH01-KS	149928/4086E-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
- · IC RSS-Gen Issue 3

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.

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

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 + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera + SIM 1 <fig. 1=""></fig.>
AC Conducted		Mode 2: GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MP3 + SIM 1 <fig. 1=""></fig.>
Emission	1/2	Mode 3: GSM850 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx + SIM 1 <fig. 2=""></fig.>
		Mode 4: GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone + SIM 1 <fig. 3=""></fig.>
		Mode 1: GSM850 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + Camera + SIM 1 <fig. 1=""></fig.>
Radiated	1/2	Mode 2: GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + MP3 + SIM 1 <fig. 1=""></fig.>
Emissions < 1GHz		Mode 3: GSM850 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx + SIM 1 <fig. 2=""></fig.>
		Mode 4: GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone + SIM 1 <fig. 3=""></fig.>
Radiated Emissions ≥ 1GHz	2	Mode 1: GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone + SIM 1 <fig. 3=""></fig.>

Remark:

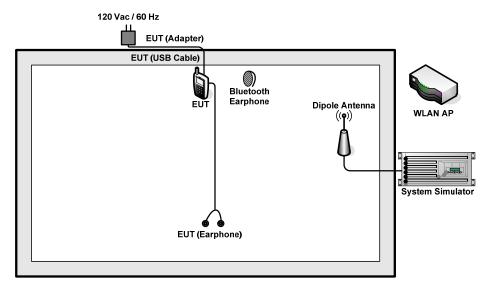
- 1. The worst case of AC Conducted Emission is mode 3; the test data of this mode was reported.
- 2. The USB Link mode of AC Conducted Emission is mode 4; the test data of this mode was also reported.
- 3. The worst case of Radiated Emissions is mode 4; only the test data of this mode was reported.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

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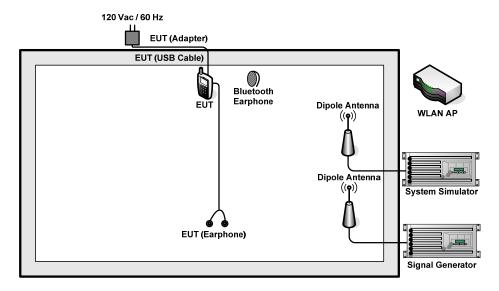


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2.2. Connection Diagram of Test System



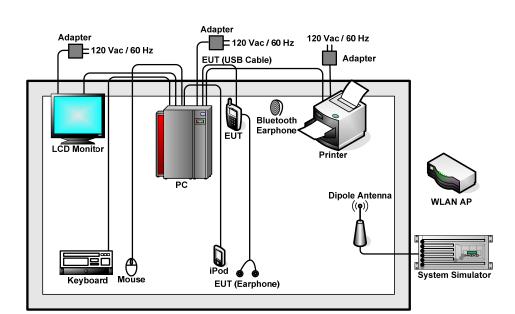
<Fig. 1>



<Fig. 2>

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<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	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Signal Generator	R&S	SMR40	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-102	PYAHS-107W	N/A	N/A
5.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	N/A	N/A
6.	PC	Dell	DCSM	FCC DoC	N/A	Unshielded, 1.8 m
7.	PC	Dell	MT320	FCC DoC	N/A	Unshielded, 1.8 m
8.	Monitor	Dell	E1910Hc	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
9.	(USB) Mouse	Dell	N231	FCC DoC	Shielded, 1.8 m	N/A
10.	(USB) Mouse	Dell	MO56UC	FCC DoC	Shielded, 1.8 m	N/A
11.	(USB) Keyboard	Dell	SK-8115	FCC DoC	Shielded, 1.8 m with core	N/A
12.	Printer	HP	Laser Jet 1018	FCC DoC	Shielded, 1.8 m	Unshielded, 1.8 m
13.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A

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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 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 PC for files transfer with EUT via USB cable.
- 2. Turn on FM function to make the EUT receive continuous signals from signal generator.
- 3. Execute "Music Player" to play MP3 file.
- 4. 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.

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.
- Both sides of AC line were checked for maximum conducted interference. 6.
- 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.

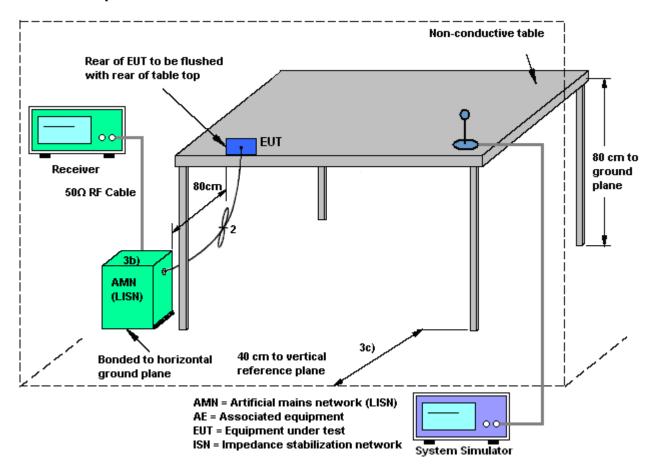
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3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission

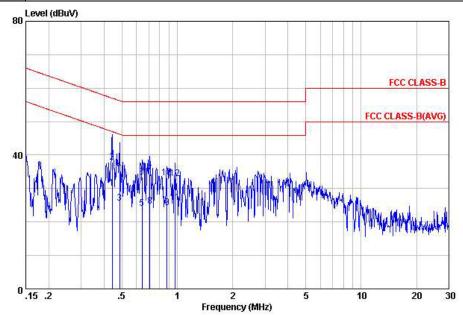
Test Mode :	Mode 3			Tempera	ature :	19~	20 ℃		
Test Engineer :	Tom Wang			Relative	Humidity	: 39~	40%		
Test Voltage :	120Vac / 6	0Hz		Phase :		Line			
F	GSM850 I	GSM850 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Charging from Ada							
Function Type :	+ Earphon	e + FM Rx	+ SIM	1					
Remark :	All emission	all emissions not reported here are more than 10 dB below the prescri						rescrib	ed lim
80	Level (dBuV)								22 1
							F 100		
							FCC	CLASS-B	id
		50					FCC CLAS	S-B(AVG)	19
		***					A CO. C.		
							N/A furbional transfers	MANA MAN	i i
a	.15 .2	.5	1	2	5		10	20 3	30
Site Condition	: C001-KS n: FCC CLASS-I : (FC) 32220 : Mode 3	3 LISN-11123		2 Frequency			10	20 3	30
Site Condition Project	: C001-KS n: FCC CLASS-H : (FC) 32220	3 LISN-11123 05 Over	O LINE Limit	Frequency	(MHz)	e s Remarl		20 3]
Site Condition Project	: C001-KS n: FCC CLASS-I : (FC) 32220 : Mode 3	3 LISN-11123 05 Over	O LINE Limit	Frequency Read	(MHz)	Remark		20 3	30

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FCC Test Report

Test Mode :	Mode 3	Temperature :	19~20℃			
Test Engineer :	Tom Wang	Relative Humidity :	39~40%			
Test Voltage :	120Vac / 60Hz	Phase :	Neutral			
Function Type :	GSM850 Idle + WLAN Idle +	- Bluetooth Idle + USB	Cable (Charging from Adapter)			
Function Type :	+ Earphone + FM Rx + SIM 1					
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.					



: C001-KS

Condition: FCC CLASS-B LISM-111230 NEUTRAL Project : (FC) 322205 mode : Mode 3

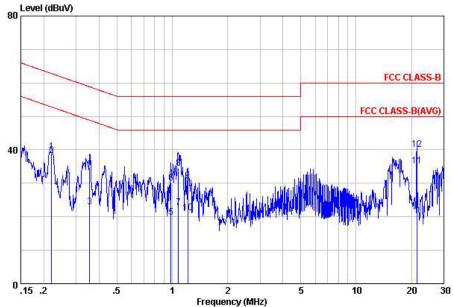
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
-	MHz	dBu₹	dB	dBu₹	dBu₹	dB	dB	
1	0.44	29.97	-17.05	47.02	19.80	-0.08	10.25	Average
2	0.44	37.77	-19.25	57.02	27.60	-0.08	10.25	QP
3	0.49	25.57	-20.66	46.23	15.40	-0.08	10.25	Average
1 2 3 4 5 6 7 8	0.49	35.67	-20.56	56.23	25.50	-0.08	10.25	
5	0.64	23.99	-22.01	46.00	13.80	-0.08	10.27	Average
6	0.64	33.39	-22.61	56.00	23.20	-0.08	10.27	
7	0.71	34.29	-21.71	56.00	24.10	-0.08	10.27	ÖP
8	0.71	24.75	-21.25	46.00	14.56	-0.08		Average
9	0.88	24.39	-21.61	46.00	14.20	-0.09		Average
10	0.88	33.19	-22.81	56.00	23.00	-0.09	10.28	
11	0.97	25.79	-20.21	46.00	15.60	-0.09	10.28	Average
12	0.97	32.99	-23.01	56.00	22.80	-0.09	10.28	

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19~20℃ Test Mode: Mode 4 Temperature : 39~40% Test Engineer: Tom Wang Relative Humidity: 120Vac / 60Hz Phase: Test Voltage : Line GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Function Type: Earphone + SIM 1 Remark: All emissions not reported here are more than 10 dB below the prescribed limit. 80 Level (dBuV)



: C001-KS Site

Condition: FCC CLASS-B LISN-111230 LINE Project : (FC) 322205 mode : Mode 4

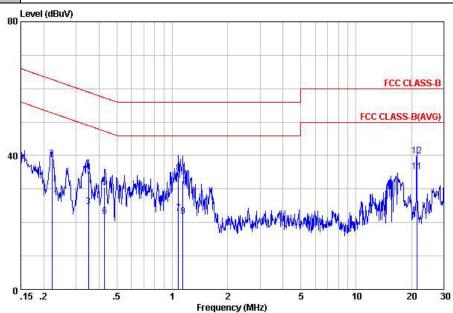
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu₹	dB	dBuV	dBu₹	dB	dB	
1 2 3 4 5 6 7 8 9	0.22	39.35	-23.44	62.79	29.20	-0.07	10.22	QP
2	0.22	38.35	-14.44	52.79	28.20	-0.07	10.22	Average
3	0.36	22.87	-25.96	48.83	12.70	-0.08	10.25	Average
4	0.36	34.87	-23.96	58.83	24.70	-0.08	10.25	QP
5	0.98	19.88	-26.12	46.00	9.70	-0.10	10.28	Average
6	0.98	29.98	-26.02	56.00	19.80	-0.10	10.28	QP
7	1.08	22.78	-23.22	46.00	12.60	-0.10	10.28	Average
8	1.08	34.58	-21.42	56.00	24.40	-0.10	10.28	QP
9	1.22	30.68	-25.32	56.00	20.50	-0.10	10.28	QP
LO	1.22	21.08	-24.92	46.00	10.90	-0.10	10.28	Average
11	21.37	35.20	-14.80	50.00	24.60	0.09	10.51	Average
12	21.37	40.10	-19.90	60.00	29.50	0.09	10.51	QP

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19~20℃ Test Mode: Mode 4 Temperature : 39~40% Test Engineer: Tom Wang Relative Humidity: 120Vac / 60Hz Phase: Test Voltage : Neutral GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Function Type: Earphone + SIM 1

Remark: All emissions not reported here are more than 10 dB below the prescribed limit.



: C001-KS

Condition: FCC CLASS-B LISN-111230 NEUTRAL Project : (FC) 322205

: Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
-	MHz	dBu₹	dB	dBu∀	dBu₹	dB	dB	
1	0.22	38.65	-14.09	52.74	28.50	-0.07	10.22	Average
1 2 3 4 5 6 7 8 9	0.22	39.05	-23.69	62.74	28.90	-0.07	10.22	QP
3	0.35	24.77	-24.19	48.96	14.60	-0.08	10.25	Average
4	0.35	35.17	-23.79	58.96	25.00	-0.08	10.25	QP
5	0.43	30.57	-26.72	57.29	20.40	-0.08	10.25	QP
6	0.43	21.77	-25.52	47.29	11.60	-0.08	10.25	Average
7	1.08	22.79	-23.21	46.00	12.60	-0.09	10.28	Average
8	1.08	34.69	-21.31	56.00	24.50	-0.09	10.28	QP
9	1.14	21.89	-24.11	46.00	11.70	-0.09	10.28	Average
0	1.14	32.59	-23.41	56.00	22.40	-0.09	10.28	
1	21.37	35.18	-14.82	50.00	24.60	0.07	10.51	Average
2	21.37	39.98	-20.02	60.00	29.40	0.07	10.51	

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Test of Radiated Emission Measurement 3.2.

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.
- For each suspected emission, the EUT was arranged to its worst case and then tune the 5. antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum 6. 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

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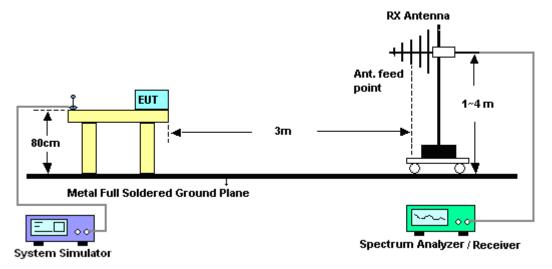
Report No.: FC322205



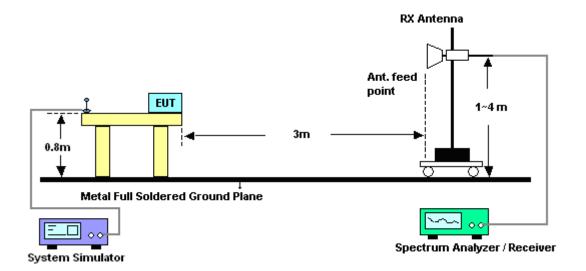
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3.2.4. Test Setup of Radiated Emission

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 4	Temperature :	21~22°C	21~22°C		
Test Engineer :	Steven Hao	Relative Humidity :	42~43%	42~43%		
Test Distance :	3m	Polarization :	Horizontal			
Function Type :	GSM1900 Idle + WLAN I	dle + Bluetooth Idle + L	JSB Cable (Data Link	with Po		
120 Level	(dBuV/m)					
110.0						
100.0						
90.0						
80.0						
70.0			FCC CLA	-6dB		
60.0			500 01 400 0			
50.0			FCC CLASS-B	6dB		
40.0	6					
30.0						
20.0						
10.0						
030	1000. 3000. 50	000. 7000.	9000. 11000.	13000		
Site Condition Mode	: 03CH01-KS : FCC CLASS-B 3m LF_A : Mode 4	Frequency (MHz) NT-100803 HORIZONTAL				
	Over Limi Freq Level Limit Lir	t ReadAntenna Cable ne Level Factor Loss	Preamp A/Pos T/Pos Factor R	emark		
	MHz dBuV/m dB dBuV/	m dBuV dB/m dB	dB cm deg			
2 3 4 5	104. 69 32. 85 -10. 65 43. 8 230. 79 26. 89 -19. 11 46. 0 353. 98 29. 86 -16. 14 46. 0 425. 76 30. 33 -15. 67 46. 0 485. 90 37. 88 -8. 12 46. 0 954. 41 40. 96 -5. 04 46. 0	00 48.54 10.95 0.87 00 47.54 14.58 1.09 00 46.26 16.15 1.16 00 52.77 16.97 1.28	33. 60 P 33. 47 P 33. 35 P 33. 24 P 33. 14 P 32. 43 125 84 P	eak eak eak eak		

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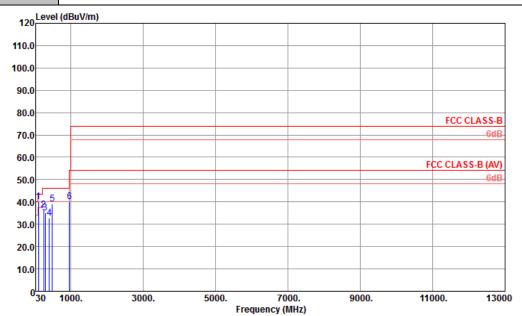


Test Mode: Mode 4 Temperature: 21~22°C

Test Engineer: Steven Hao Relative Humidity: 42~43%

Test Distance: 3m Polarization: Vertical

Function Type: GSM1900 Idle + WLAN Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone + SIM 1



Site : 03CH01-KS

Condition : FCC CLASS-B 3m LF_ANT-100803 VERTICAL

Mode : Mode 4

	Freq	Level		Limit Line						T/Pos	Remark
	MHz	$\overline{\text{dBuV/m}}$	dB	$\overline{\text{dBuV/m}}$	dBuV	dB/m	dB	dB	cm	deg	
1 !				43. 50 46. 00				33. 61 33. 43	112		Peak Peak
3	289.96	35.09	-10.91	46. 00 46. 00	54.65	12.84	0. 97	33. 37 33. 29			Peak Peak
5	485.90	39. 20	-6.80	46. 00 54. 00	54.09	16.97	1. 28	33. 14 32. 43			Peak

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz	Jun. 01, 2012	Mar. 15, 2013	May 31, 2013	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Dec. 29, 2012	Mar. 15, 2013	Dec. 28, 2013	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Dec. 29, 2012	Mar. 15, 2013	Dec. 28, 2013	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	N/A	Nov. 15, 2012	Mar. 15, 2013	Nov. 14, 2013	Conduction (CO01-KS)
System Simulator	R&S	CMU200	837587/066	2G Full-Band	Dec. 29, 2012	Mar. 15, 2013	Dec. 28, 2013	Conduction (CO01-KS)
Signal Generator	R&S	SMR40	100455	10MHz~40GHz	Dec. 29, 2012	Mar. 15, 2013	Dec. 28, 2013	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 08, 2012	Mar. 13, 2013	Nov. 07, 2013	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP30	100400	9kHz~30GHz	Jun. 01, 2012	Mar. 13, 2013	May 31, 2013	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 07, 2012	Mar. 13, 2013	Dec. 06, 2013	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 06, 2013	Mar. 13, 2013	Jan. 05, 2014	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161069	1MHz~1GHz	Jun. 01, 2012	Mar. 13, 2013	May 31, 2013	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Dec. 29, 2012	Mar. 13, 2013	Dec. 28, 2013	Radiation (03CH01-KS)
Signal Generator	R&S	SMR40	100455	10MHz~40GHz	Dec. 29, 2012	Mar. 13, 2013	Dec. 28, 2013	Radiation (03CH01-KS)
System Simulator	R&S	CMU200	837587/066	2G Full-Band	Dec. 29, 2012	Mar. 13, 2013	Dec. 28, 2013	Radiation (03CH01-KS)

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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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54
Confidence of 35% (0 = 200(y))	

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

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

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Appendix A. Photographs of EUT

Please refer to Sporton report number EP322205 as below.

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