

Report No. : FC311601

FCC Test Report

APPLICANT : CT Asia

EQUIPMENT: Mobile Phone

BRAND NAME : BLU

MODEL NAME : Studio 5.3 II

FCC ID : YHLBLUSTUDIOII

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Jan. 16, 2013 and completely tested on Feb. 05, 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





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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC311601	Rev. 01	Initial issue of report	Feb. 06, 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	PASS	Under limit 15.22 dB at
				< RSS-Gen table 2 limits		0.570 MHz
				< 15.109 limits or		Under limit
3.2	15.109	7.2.3.2	Radiated Emission	< RSS-Gen table 1 limits	PASS	6.25 dB at
				(Section 6)		239.520 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

Yangzhou Mastone Telecommunication Electronics Development Co., Ltd.

Mastone Industrial Park, Yizheng Economic Development Zone, Yangzhou city, Jiangsu province, China

1.3. Feature of Equipment Under Test

	Product Feature
Equipment	Mobile Phone
Brand Name	BLU
Model Name	Studio 5.3 II
FCC ID	YHLBLUSTUDIOII
EUT supports Radios application	GSM/GPRS/WCDMA/HSPA/WLAN 11bgn /Bluetooth
HW Version	H958_MB_MP2.1
SW Version	BLU STUDIO 5.3 II 20130105-113540
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.

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1.4. Product Specification of Equipment Under Test

Product Specifi	cation subjective to this standard
	GSM850: 824.2 MHz ~ 848.8 MHz
	GSM1900: 1850.2 MHz ~ 1909.8MHz
Tx Frequency	WCDMA Band V: 826.4 MHz ~ 846.6 MHz
	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
	WCDMA Band V: 871.4 MHz ~ 891.6 MHz
Rx Frequency Range	802.11b/g/n: 2412 MHz ~ 2462 MHz
	Bluetooth: 2402 MHz ~ 2480 MHz
	GPS : 1.57542 GHz
	FM: 88 MHz ~ 108 MHz
	WWAN : Fixed Internal Antenna
Antenna Type	WLAN : PIFA Antenna
	Bluetooth : PIFA Antenna
	GSM / GPRS: GMSK
	WCDMA: QPSK (Uplink)
	HSDPA: QPSK (Uplink)
	HSUPA: QPSK (Uplink)
	802.11b: DSSS (DBPSK / DQPSK / CCK)
Type of Modulation	802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)
	Bluetooth BDR (1Mbps) : GFSK
	Bluetooth EDR (2Mbps) : π /4-DQPSK
	Bluetooth EDR (3Mbps) : 8-DPSK
	GPS: BPSK
	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				
Took Oito No	Sporton	FCC/IC Registration No.			
Test Site No.	CO01-KS	03CH01-KS	149928/4086E-1		

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.

		Tes	st Conditio	n
Item	EUT Configuration	EMI	EMI	EMI
		AC	RE<1G	RE≥1G
1.	Charging Mode (EUT with adapter)	\boxtimes	\boxtimes	Note 1
2.	Data application transferred mode (EUT with notebook or 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 + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera + SIM1 <fig. 1=""></fig.>
AC Conducted		Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 + SIM1 <fig. 1=""></fig.>
Emission	1/2	Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx + SIM1 <fig. 2=""></fig.>
		Mode 4: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Earphone + GPS Rx + SIM1 <fig. 3=""></fig.>
		Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + Camera + SIM1 <fig. 1=""></fig.>
Radiated	1/2	Mode 2: GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + MPEG4 + SIM1 <fig. 1=""></fig.>
Emissions < 1GHz		Mode 3: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Adapter) + Earphone + FM Rx + SIM1 <fig. 2=""></fig.>
		Mode 4: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx + SIM1 <fig. 4=""></fig.>
Radiated Emissions ≥ 1GHz	2	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx + SIM1 <fig. 4=""></fig.>

Remark:

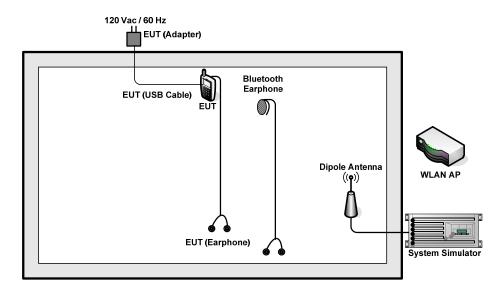
- 1. The worst case of AC Conducted Emission is mode 2; the test data of this mode was reported.
- 2. The USB Link mode of AC Conducted Emission is mode 4; the test data of this mode was also reported.
- 3. The worst case of Radiated Emissions is mode 4; only the test data of this mode was reported.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

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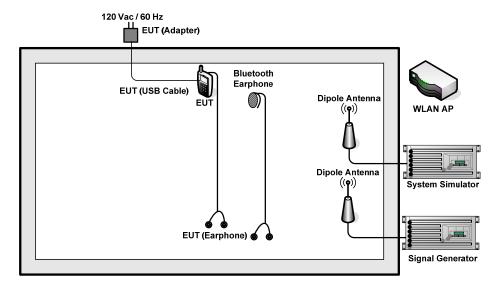


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2.2. Connection Diagram of Test System

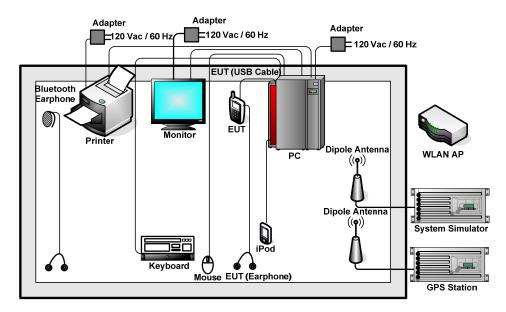


<Fig. 1>

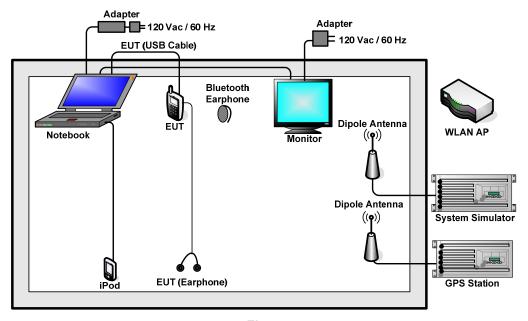


<Fig. 2>

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<Fig. 3>



<Fig. 4>

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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	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Signal Generator	R&S	SMR40	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
3.	GPS Station	ADIVIC	MP9000	N/A	N/A	Unshielded, 1.8 m
4.	PC	Dell	MT320	FCC DoC	N/A	Unshielded, 1.8 m
5.	Notebook	Lenovo	G480	QDS-BRCM1030	N/A	Unshielded, 1.8 m
6.	WLAN AP	D-link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
7.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
8.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	N/A	N/A
9.	Monitor	Dell	E1910Hc	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
10.	(USB) Keyboard	Dell	SK-8115	FCC DoC	Shielded, 1.5 m	N/A
11.	(USB) Mouse	Dell	N231	FCC DoC	Shielded, 1.8 m	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 or WCDMA 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.

- Execute the program, "Winthrax" under WIN7 installed in notebook or PC for files transfer with EUT via USB cable.
- 2. Turn on GPS function to make the EUT receive continuous signals from GPS station.
- 3. Turn on FM function to keep EUT receiving continuous signals from Signal Generator.
- 4. Execute "Windows Media Player" to play MPEG4 files.
- 5. 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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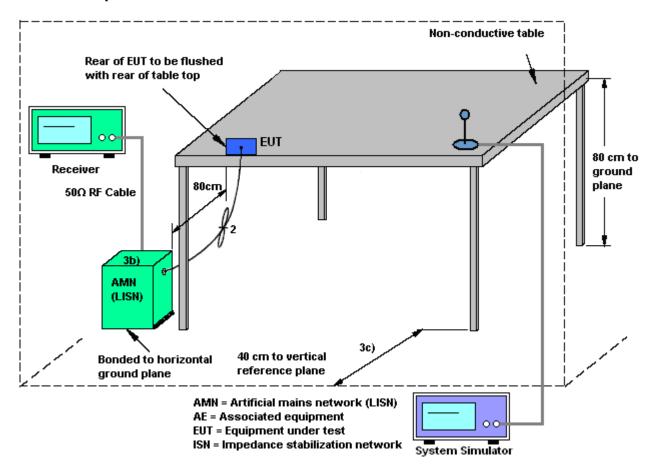
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3.1.4 Test Setup



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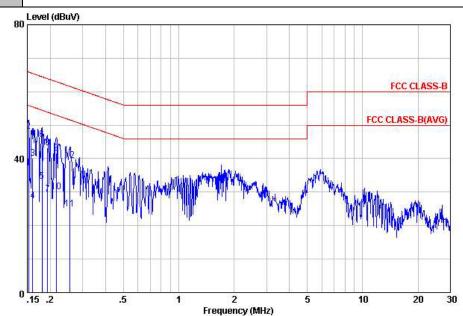
3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 2	Temperature :	19~20℃		
Test Engineer :	Tom Wang	Relative Humidity :	39~40%		
Test Voltage :	120Vac / 60Hz	Phase :	Line		
Function Type :	GSM1900 Idle + Bluetoo Adapter) + Earphone + MF		+ USB Cable (Charging fr		
Remark :	All emissions not reported	here are more than 10	dB below the prescribed limit.		
80	Level (dBuV)		9		
40			FCC CLASS-B FCC CLASS-B(AVG)		
0	.15 .2 .5 1	2 5 Frequency (MHz)	10 20 30		
Site Condition Project	.15 .2 .5 1 : COO1-KS : FCC CLASS-B LISN-111230 LINE : (FC) 311601 : Mode 2				
Site Condition Project	: C001-KS : FCC CLASS-B LISN-111230 LINE : (FC) 311601 : Mode 2 Over Limit Freq Level Limit Line	Read LISN Cable Level Factor Loss Re	10 20 30		
Site Condition Project	: COO1-KS : FCC CLASS-B LISM-111230 LIME : (FC) 311601 : Mode 2	Read LISN Cable Level Factor Loss Rodble dBuV dB dB	10 20 30		

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19~20℃ Test Mode: Mode 2 Temperature : 39~40% Test Engineer: Tom Wang Relative Humidity: 120Vac / 60Hz Test Voltage : Phase: Neutral GSM1900 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Charging from Function Type: Adapter) + Earphone + MPEG4 + SIM1 Remark: All emissions not reported here are more than 10 dB below the prescribed limit.



: C001-KS Site

Condition: FCC CLASS-B LISN-111230 NEUTRAL

Project : (FC) 311601 mode : Mode 2

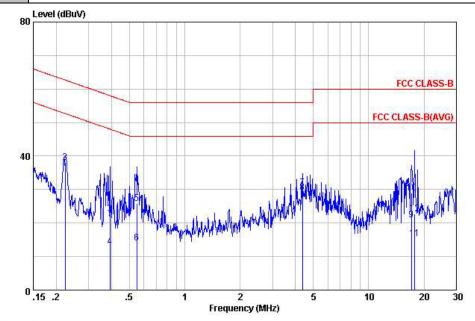
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
<u> </u>	MHz	dBu₹	dB	dBu₹	dBuV	dB	dB	
1	0.15	37.31	-18.56	55.87	27.20	-0.09	10.20	Average
2	0.15	48.11	-17.76	65.87	38.00	-0.09		OP
3	0.16	40.02	-25.41	65.43	29.91	-0.09	10.20	ÖP
2 3 4 5 6 7	0.16	27.32	-28.11	55.43	17.21	-0.09	10.20	Average
5	0.18	33.24	-21.22	54.46	23.11	-0.08	10.21	Average
6	0.18	45.64	-18.82	64.46	35.51	-0.08	10.21	OP
7	0.19	29.45	-24.44	53.89	19.30	-0.07	10.22	Average
8	0.19	43.15	-20.74	63.89	33.00	-0.07	10.22	
8 9	0.22	41.65	-21.36	63.01	31.50	-0.07	10.22	ÖP
LO	0.22	30.05	-22.96	53.01	19.90	-0.07	10.22	Average
1	0.26	24.86	-26.70	51.56	14.70	-0.07		Average
2	0.26		-22.10	61.56	29.30	-0.07	10.23	

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Test Mode :	Mode 4	Temperature :	19~20℃			
Test Engineer :	Tom Wang	Relative Humidity :	39~40%			
Test Voltage :	120Vac / 60Hz	Phase :	Line			
Eupotion Type I	GSM850 Idle + Bluetooth Id	le + WLAN Idle + USB Cable (Data Link with PC) +				
Function Type : Earphone + GPS Rx + SIM1						
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.					



Site : C001-KS Condition: FCC CLASS-B LISN-111230 LINE Project : (FC) 311601 mode : Mode 4

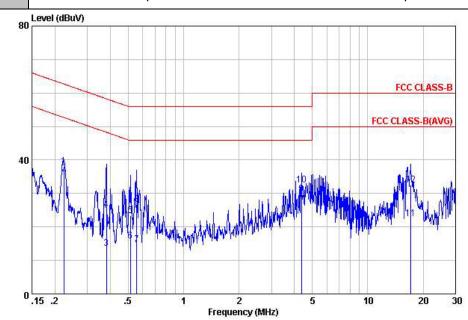
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
8 <u>C.</u>	MHz	dBu₹	dB	dBu₹	dBuV	dB	dB	
1	0.22	36.30	-16.40	52.70	26.15	-0.07	10.22	Average
2	0.22	38.10	-24.60	62.70	27.95	-0.07	10.22	QP
3	0.39	22.84	-35.19	58.03	12.67	-0.08	10.25	QP
4	0.39	12.84	-35.19	48.03	2.67	-0.08	10.25	Average
1 2 3 4 5 6 7	0.55	25.84	-30.16	56.00	15.66	-0.08	10.26	
6	0.55	14.14	-31.86	46.00	3.96	-0.08	10.26	Average
7	4.36	30.51	-25.49	56.00	20.31	-0.13	10.33	
8	4.36	29.21	-16.79	46.00	19.01	-0.13	10.33	Average
9	17.11	20.86	-29.14	50.00	10.41	0.02		Average
10	17.11	29.06	-30.94	60.00	18.61	0.02	10.43	
11	17.85	15.31	-34.69	50.00	4.80	0.05	10.46	Average
12	17.85	22.81	-37.19	60.00	12.30	0.05	10.46	QP

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19~20℃ Test Mode: Mode 4 Temperature : 39~40% Test Engineer: Tom Wang Relative Humidity: 120Vac / 60Hz Test Voltage : Phase: Neutral GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with PC) + Function Type: Earphone + GPS Rx + SIM1

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



Site : C001-KS

Condition: FCC CLASS-B LISN-111230 NEUTRAL Project : (FC) 311601 mode : Mode 4

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
-	MHz	dBu₹	dB	dBuV	dBu₹	dB	dB	
1	0.22	38.20	-24.50	62.70	28.05	-0.07	10.22	QP
2	0.22	35.80	-16.90	52.70	25.65	-0.07	10.22	Average
3	0.38	13.50	-34.75	48.25	3.33	-0.08		Average
4	0.38	25.10	-33.15	58.25	14.93	-0.08	10.25	QP -
5	0.51	23.50	-32.50	56.00	13.32	-0.08	10.26	OP
1 2 3 4 5 6 7 8	0.51	15.85	-30.15	46.00	5.67	-0.08	10.26	Average
7	0.56	14.80	-31.20	46.00	4.62	-0.08		Average
8	0.56	26.85	-29.15	56.00	16.67	-0.08	10.26	
9	4.36	29.91	-16.09	46.00	19.71	-0.13	10.33	Average
.0	4.36	32.61	-23.39	56.00	22.41	-0.13	10.33	
1	17.11	22.54	-27.46	50.00	12.10	0.01		Average
2	17.11		-27.36	60.00	22.20	0.01	10.43	

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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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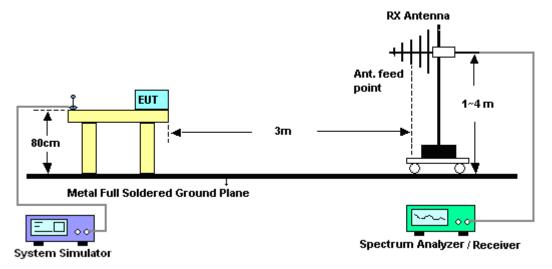
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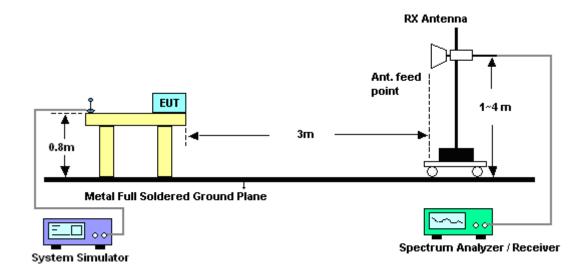
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz

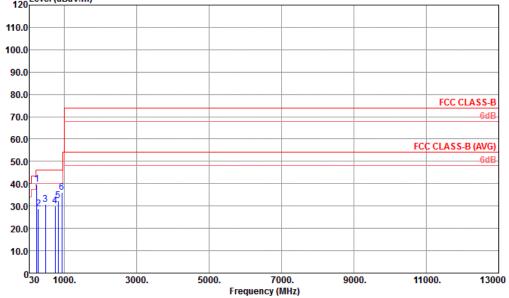


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3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 4	Temperatur	e:	22~23°	С			
Test Engineer	: Steven Hao	Relative Hu	Relative Humidity :		%			
Test Distance :	: 3m	Polarization	1:	Horizo	ntal			
Function Type	GSM850 Idle Notebook) + E			e + USB Cable (Data Lin			Link	with
120 ^L	evel (dBuV/m)						_	
110.0								
100.0								



Site : 03CH01-KS

Condition : FCC CLASS-B 3m LF_ANT_100803 HORIZONTAL

Project : (FC) 311601 Mode : mode 4

-		ouc +										
	Freq	Level						Preamp Factor		T/Pos	Remark	
-	MHz	$\overline{\tt dBuV/m}$	dB	$\overline{\tt dBuV/m}$	dBuV	dB/m	dB	dB	cm	deg		
	239. 52	39.75	-6. 25	46.00	60.80	11.51	0.90	33. 46	102	347	Peak	
	285. 11	28.80	-17.20	46.00	48.46	12.76	0.97	33.39			Peak	
	480.08	30.62	-15.38	46.00	45.63	16.87	1.28	33. 16			Peak	
	750.71	30.24	-15.76	46.00	41.53	19.90	1.59	32.78			Peak	
	824. 43	32, 38	-13.62	46,00	43, 26	20.16	1.64	32, 68			Peak	
	934.04	36, 07	-9, 93	46, 00	46, 09	20, 66	1, 76	32, 44			Peak	

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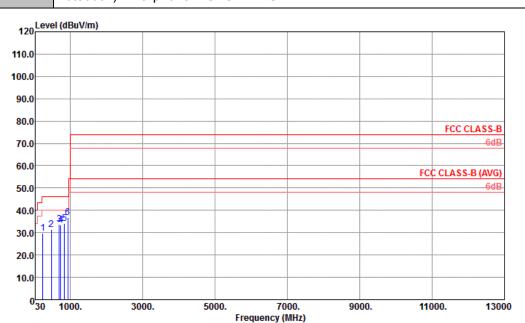


Test Mode: Mode 4 Temperature: 22~23°C

Test Engineer: Steven Hao Relative Humidity: 41~42%

Test Distance: 3m Polarization: Vertical

Function Type: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Earphone + GPS Rx + SIM1



Site : 03CH01-KS

Condition : FCC CLASS-B 3m LF_ANT_100803 VERTICAL

Project : (FC) 311601 Mode : mode 4

Over Limit ReadAntenna Cable Preamp Freq Level Limit Line Level Factor Loss Factor ReadAntenna Cable Preamp A/Pos T/Pos Remark MHz dBuV/m dB dBuV/m dBuV dB/m dΒ dB deg cm 239. 52 29. 74 -16. 26 480. 08 31. 35 -14. 65 690. 57 33. 84 -12. 16 738. 10 33. 52 -12. 48 836. 07 34. 08 -11. 92 934. 04 36. 76 -9. 24 46.00 46.00 46.00 46.00 46.00 46.00 50. 79 46. 36 46. 00 Peak 2 3 11. 51 16. 87 19. 24 19. 79 20. 36 33. 46 33. 16 32. 89 32. 80 32. 71 32. 44 --- Peak 1. 28 1. 49 --- Peak 44. 96 44. 80 46. 78 --- Peak --- Peak 1.63

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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	Feb. 04, 2013	May 31, 2013	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Dec. 29, 2012	Feb. 04, 2013	Dec. 28, 2013	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Dec. 29, 2012	Feb. 04, 2013	Dec. 28, 2013	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	N/A	Nov. 15, 2012	Feb. 04, 2013	Nov. 14, 2013	Conduction (CO01-KS)
System Simulator	R&S	CMU200	837587/066	2G Full-Band	Dec. 29, 2012	Feb. 04, 2013	Dec. 28, 2013	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 08, 2012	Feb. 05, 2013	Nov. 07, 2013	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP30	100400	9kHz~30GHz	Jun. 01, 2012	Feb. 05, 2013	May 31, 2013	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 07, 2012	Feb. 05, 2013	Dec. 06, 2013	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 07, 2012	Feb. 05, 2013	Jan. 06, 2013	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161069	1MHz~1GHz	Jun. 01, 2012	Feb. 05, 2013	May 31, 2013	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Dec. 29, 2012	Feb. 05, 2013	Dec. 28, 2013	Radiation (03CH01-KS)
Signal Generator	R&S	SMR40	100455	10MHz~40GHz	Dec. 29, 2012	Feb. 04, 2013~ Feb. 05, 2013	Dec. 28, 2013	-
GPS Station	ADIVIC	MP9000	MP9000-111046	N/A	N/A	Feb. 04, 2013~ Feb. 05, 2013	N/A	
System Simulator	R&S	CMU200	837587/066	2G Full-Band	Dec. 29, 2012	Feb. 04, 2013~ Feb. 05, 2013	Dec. 28, 2013	-

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FCC Test Report

5. Uncertainty of Evaluation

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

Managerina Unacetainte for a Lavel of	
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	2.54
Confidence of 95% (U = 2Uc(y))	2.04

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 EP311601 as below.

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