

FCC Test Report

APPLICANT : CT Asia

EQUIPMENT: **GSM** mobile phone

BRAND NAME : BLU

MODEL NAME : Samba mini

FCC ID : YHLBLUSAMBMN

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Sep. 08, 2010 and completely tested on Sep. 20, 2010. 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:

Anderson Chiu / Deputy Manager

erson Chiu

ilac-MRA



Report No.: FD090827

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: YHLBLUSAMBMN Page Number : 1 of 21
Report Issued Date : Sep. 28, 2010



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FD090827	Rev. 01	Initial issue of report	Sep. 28, 2010

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.107	7.2.2	AC Conducted Emission	< 15.107 limits < RSS-Gen table 2 limits	PASS	Under limit 5.93 dB at 0.90 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 3.97 dB at 57.27 MHz

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1. General Description

1.1. Applicant

CT Asia

RMA2011, 20/F., GOLDEN CENTRAL TOWER, NO. 3037# JINTIAN ROAD, FUTIAN DISTRICT

1.2. Manufacturer

YAYUDA

The fifth Industrial Area of YULV, GONGMING, BAOAN District

1.3. Feature of Equipment Under Test

Product Feature & Specification					
Equipment	GSM mobile phone				
Brand Name	BLU				
Model Name	Samba mini				
FCC ID	YHLBLUSAMBMN				
Tx Frequency Range	GSM850 : 824 MHz ~ 849 MHz GSM1900 : 1850 MHz ~ 1910 MHz Bluetooth : 2400 MHz ~ 2483.5 MHz				
Rx Frequency Range	GSM850 : 869 MHz ~ 894 MHz GSM1900 : 1930 MHz ~ 1990 MHz Bluetooth : 2400 MHz ~ 2483.5 MHz				
Antenna Type	Fixed Internal Antenna				
HW Version	MTK6253				
SW Version	X221_6B				
Type of Modulation	GSM / GPRS : GMSK Bluetooth (1Mbps) : GFSK				
EUT Stage	Production Unit				

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. 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
Test Site No.	Sporton Site No.
rest site No.	03CH01-KS ; CO01-KS

1.5. 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 2

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

1.6. Ancillary Equipment List

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.	(USB)Mouse	DELL	N231	FCC DoC	Shielded, 1.8 m	N/A
3.	(USB)Keyboard	DELL	SK-8115	FCC DoC	Shielded, 1.8 m with core	N/A
4.	Monitor	Hangs-G	Hangs-G	FCC DoC	Shielded, 1.2 m	Unshielded, 1.8 m
5.	Printer	HP	Laser Jet 1018	FCC DoC	Shielded, 1.8 m	Unshielded, 1.8 m
6.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A
7.	Bluetooth Earphone	Nokia	HS-12W	PYAHS-12W	N/A	N/A
8.	Signal Generator	R&S	SMR40	N/A	N/A	Unshielded, 1.8 m

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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	EMI	EMI
		AC	RE<1G	RE≥1G
1.	Charging Mode (EUT with Adapter)		\boxtimes	Note 1
2.	Charging Mode (EUT with notebook)			\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.

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Test Items	EUT Configure Mode	Function Type
		Mode 1: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + FM Rx
		Mode 2: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + Camera
AC Conducted Emission	1/2	Mode 3: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4
Emission		Mode 4: GSM850 Idle + Bluetooth Idle + Earphone + USB Cable (Link with PC)
		Mode 5: GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4
		Mode 1: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + FM Rx
		Mode 2: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + Camera
Radiated Emissions < 1GHz	1/2	Mode 3: GSM850 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4
E11113310113 < 10112		Mode 4: GSM850 Idle + Bluetooth Idle + Earphone + USB Cable (Link with PC)
		Mode 5: GSM1900 Idle + Bluetooth Idle + Earphone + USB Cable (Link with PC)
Radiated Emissions ≥ 1GHz	2	Mode 1: GSM850 Idle + Bluetooth Idle + Earphone + USB Cable (Link with PC)

Remark:

- 1. The worst case of AC is mode 5; only the test data of this mode was reported.
- 2. The worst case of RE < 1G is mode 4; only the test data of this mode was reported.

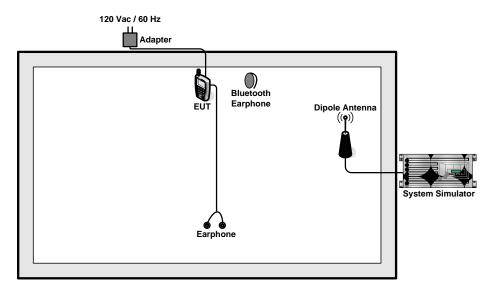
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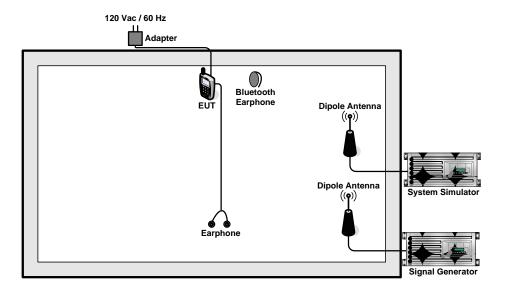
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2.2. Connection Diagram of Test System

<EUT with Adapter Mode>



<EUT with Adapter in FM Rx Mode>

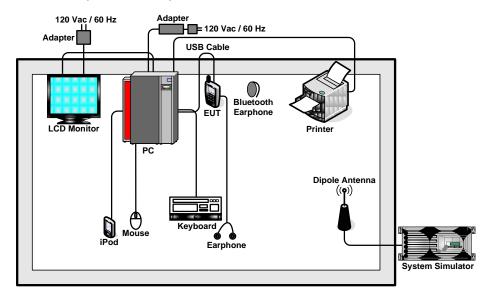


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<EUT with USB Cable (Link with PC) Mode>



2.3. 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", installed in PC for active sync files transfer with EUT via USB cable.
- 2. Execute "Video Player" to play MPEG4 files.
- 3. Turn on camera to capture images.
- 4. Turn on FM radio to keep EUT receiving signals continuously.

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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	Frequency of emission Conducted		
(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.

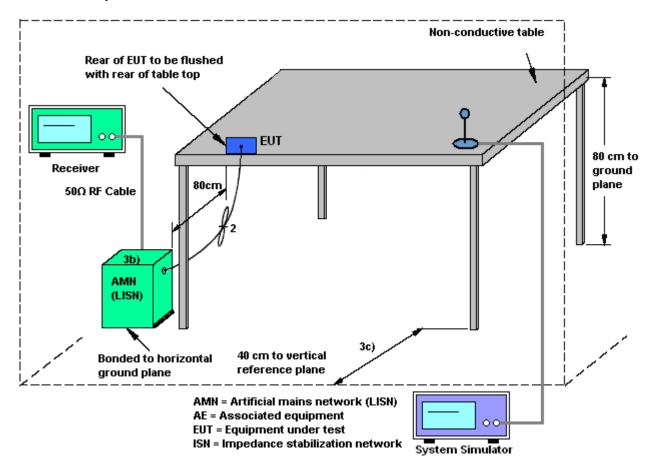
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3.1.4 Test Setup



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3.1.5 Test Result of AC Conducted Emission

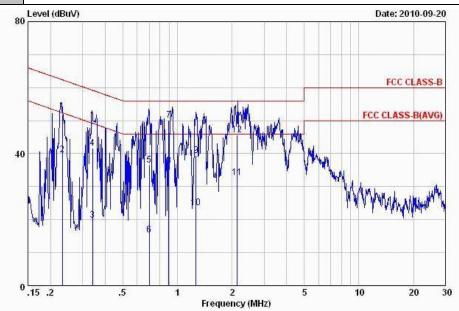
Test Mode :	Mode 5			Tempe	rature	:	21~22	\mathbb{C}		
Test Engineer :	Lewis Lu			Relativ	e Hum	nidity :	41~42%			
Test Voltage :	120Vac / 60	Hz		Phase	:		Line			
Function Type :	GSM1900 I	dle + Bluet	ooth I	dle + Ad	dapter -	+ Earph	one + N	one + MPEG4		
Remark :	All emission	s not repo	rted he	ere are	more t	han 10	dB belo	w the p	oresc	ribed limi
80	Level (dBuV)		a 30a		71	31. 315 ST		Date: 2	2010-09	9-20
40			6		12		rang Japan	FCC CLAS	CLASS SS-B(AV	
	.15 .2	,5	1	2 Frequen	icy (MHz)	5	10)	20	30
Site	: COO1-KS n: FCC CLASS-B		676			5	10)	20	30
Site	: C001-KS	LISN-100807 Over	676		icy (MHz) LISN	5 Cable Loss F)	20	30
Site Condition	: C001-KS n: FCC CLASS-B : mode 5 Freq Leve	LISN-100807 Over el Limit V dB	LINE Limit	Read Level	icy (MHz) LISN	Cable	Remark) 	20	30

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21~22℃ Test Mode: Mode 5 Temperature: 41~42% Test Engineer: Lewis Lu Relative Humidity: Test Voltage : 120Vac / 60Hz Phase: Neutral GSM1900 Idle + Bluetooth Idle + Adapter + Earphone + MPEG4 Function Type:

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



: C001-KS

Condition: FCC CLASS-B LISN-100807 NEUTRAL

: mode 5

.040	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
: :	MHz	dBu₹	<u>dB</u>	dBu₹	dBuV	<u>dB</u>	dB	.t
1	0.23	51.89	-10.48	62.37	41.80	-0.07	10.16	QP
2	0.23	39.59	-12.78	52.37	29.50	-0.07	10.16	Average
3	0.34	19.80	-29.41	49.21	9.70	-0.08	10.18	Average
1 2 3 4 5 6 7 8 9	0.34	41.60	-17.61	59.21	31.50	-0.08		OP
5	0.70	36.65	-19.35	56.00	26.50	-0.08	10.23	OP
6	0.70	15.35	-30.65	46.00	5.20	-0.08	10.23	Average
7	0.90	50.07	-5.93	56.00	39.91	-0.09	10.25	
8	0.90	36.27	-9.73	46.00	26.11	-0.09	10.25	Average
9	1.26	39.49	-16.51	56.00	29.31	-0.10	10.28	
10	1.26	23.59	-22.41	46.00	13.41	-0.10	10.28	Average
11	2.13	32.83	-13.17	46.00	22.60			Average
12	2.13		-10.27	56.00	35.50	-0.11	10.34	

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3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

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

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
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.

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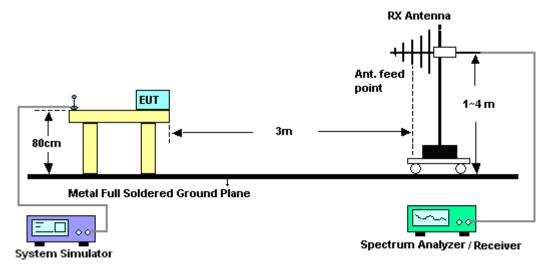
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3.2.3. Test Procedures

- 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.
- The table was rotated 360 degrees to determine the position of the highest radiation. 3.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one meter and 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, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one 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



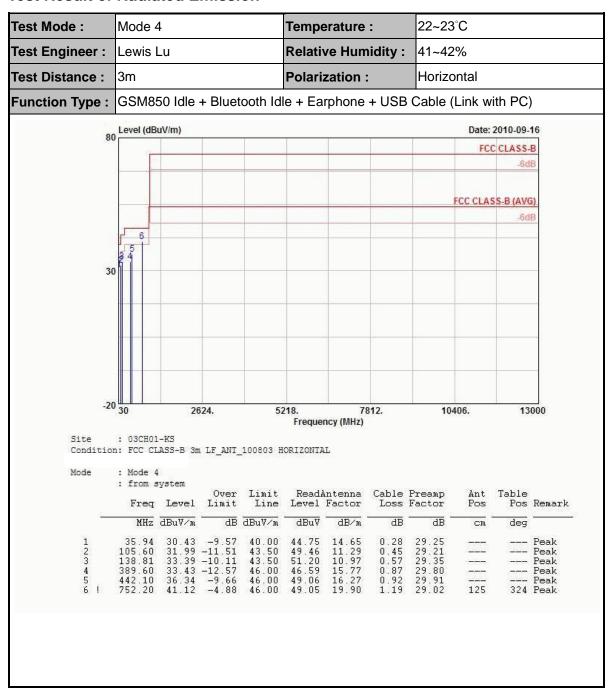
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3.2.5. Test Result of Radiated Emission



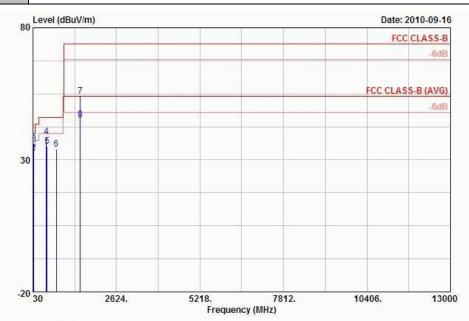
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22~23°C Test Mode: Mode 4 Temperature : 41~42% Test Engineer: Lewis Lu Relative Humidity: **Test Distance:** 3m Polarization : Vertical

GSM850 Idle + Bluetooth Idle + Earphone + USB Cable (Link with PC) **Function Type:**



: 03CH01-K5

Condition: FCC CLASS-B 3m LF_ANT_100803 VERTICAL

Mode : Mode 4 : from system

	Freq	Level	Over Limit	Limit Line					Ant Pos	Table Pos	Remark
<u> </u>	MHz	$\overline{\mathtt{dBuV/m}}$	dB	$\overline{\mathtt{dBuV/m}}$	dBuV	dB/m	dB		CM.	deg	
	36.19	32.79	-7.21	40.00	47.11	14.65	0.28	29.25	100	152	QP
	48.20	32.77	-7.23	40.00	53.59	8.12	0.31	29.25	100	344	QP
	57.27	36.03	-3.97	40.00	59.21	5.75	0.34	29.27			Peak
	442.10	38.85	-7.15	46.00	51.57	16.27	0.92	29.91	0.000	0.700	Peak
	468.00	35.27	-10.73	46.00	47.65	16.59	0.96	29.93			Peak
	753.60	33.90	-12.10	46.00	41.83	19.90	1.19	29.02			Peak
	1500.00	54.00	-20.00	74.00	56.35	30.35	2.46	35.16	103	192	Peak
	1500.00	45.24	-8.76	54.00	47.59	30.35	2.46	35.16	103	192	Average
		MHz 36.19 48.20 57.27 442.10 468.00 753.60 1500.00	MHz dBuV/m 36.19 32.79 48.20 32.77 57.27 36.03 442.10 38.85 468.00 35.27 753.60 33.90 1500.00 54.00	Freq Level Limit MHz dBuV/m dB 36.19 32.79 -7.21 48.20 32.77 -7.23 57.27 36.03 -3.97 442.10 38.85 -7.15 468.00 35.27 -10.73 753.60 33.90 -12.10 1500.00 54.00 -20.00	Freq Level Limit Line MHz dBuV/m dB dBuV/m 36.19 32.79 -7.21 40.00 48.20 32.77 -7.23 40.00 1.57.27 36.03 -3.97 40.00 442.10 38.85 -7.15 46.00 468.00 35.27 -10.73 46.00 753.60 33.90 -12.10 46.00 1500.00 54.00 -20.00 74.00	Freq Level Limit Line Level MHz dBuV/m dB dBuV/m dBuV 36.19 32.79 -7.21 40.00 47.11 48.20 32.77 -7.23 40.00 53.59 57.27 36.03 -3.97 40.00 59.21 442.10 38.85 -7.15 46.00 51.57 468.00 35.27 -10.73 46.00 47.65 753.60 33.90 -12.10 46.00 41.83 1500.00 54.00 -20.00 74.00 56.35	Freq Level Limit Line Level Factor MHz dBuV/m dB dBuV/m dBuV/m dBuV dB/m 36.19 32.79 -7.21 40.00 47.11 14.65 48.20 32.77 -7.23 40.00 53.59 8.12 57.27 36.03 -3.97 40.00 59.21 5.75 442.10 38.85 -7.15 46.00 51.57 16.27 468.00 35.27 -10.73 46.00 47.65 16.59 753.60 33.90 -12.10 46.00 41.83 19.90 1500.00 54.00 -20.00 74.00 56.35 30.35	Freq Level Limit Line Level Factor Loss MHz dBuV/m dB dBuV/m dBuV dB/m dB/m dB 36.19 32.79 -7.21 40.00 47.11 14.65 0.28 48.20 32.77 -7.23 40.00 53.59 8.12 0.31 57.27 36.03 -3.97 40.00 59.21 5.75 0.34 442.10 38.85 -7.15 46.00 51.57 16.27 0.92 468.00 35.27 -10.73 46.00 47.65 16.59 0.96 753.60 33.90 -12.10 46.00 41.83 19.90 1.19 1500.00 54.00 -20.00 74.00 56.35 30.35 2.46	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Freq Level Limit Line Level Factor Loss Factor Pos MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm 36.19 32.79 -7.21 40.00 47.11 14.65 0.28 29.25 100 48.20 32.77 -7.23 40.00 53.59 8.12 0.31 29.25 100 57.27 36.03 -3.97 40.00 59.21 5.75 0.34 29.27 442.10 38.85 -7.15 46.00 51.57 16.27 0.92 29.91 468.00 35.27 -10.73 46.00 47.65 16.59 0.96 29.93 753.60 33.90 -12.10 46.00 41.83 19.90 1.19 29.02 1500.00 54.00 -20.00 74.00 56.35 30.35 2.46 35.16 103	Freq Level Limit Line Level Factor Loss Factor Pos Pos MHz dBuV/m dB dBuV/m dBuV dB/m dB dB dB cm deg 36.19 32.79 -7.21 40.00 47.11 14.65 0.28 29.25 100 152 48.20 32.77 -7.23 40.00 53.59 8.12 0.31 29.25 100 344 57.27 36.03 -3.97 40.00 59.21 5.75 0.34 29.27

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMI Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 17, 2009	Nov. 16, 2010	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Jan. 18, 2010	Jan. 17, 2011	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Jan. 18, 2010	Jan. 17, 2011	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	N/A	Nov. 26, 2009	Nov. 25, 2010	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100724	9kHz – 2.75GHz	Mar. 09, 2010	Mar. 08, 2011	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Jan. 18, 2010	Jan. 17, 2011	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Jan. 18, 2010	Jan. 17, 2011	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 18, 2010	Jan. 17, 2011	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060004	30MHz~2GHz	Feb. 02, 2010	Feb. 01, 2011	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Jan. 18, 2010	Jan. 17, 2011	Radiation (03CH01-KS)
Actice hore antenna	com-power	AHA-118	701023	1G-18GHz	Nov. 18, 2009	Nov. 17, 2010	Radiation (03CH01-KS)
Signal Generator	R&S	SMR40	100455	10MHz~40GHz	Jan. 18, 2010	Jan. 17, 2011	Radiation (03CH01-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15-40GHz	Oct. 22, 2009	Oct. 21, 2010	Radiation (03CH01-KS)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz~30 MHz	Jul. 29, 2010	Jul. 28, 2011	Radiation (03CH01-KS)
System Simulator	R&S	CMU200	837587/066	Full-Band	Jan. 08, 2009	Jan. 07, 2011	-

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5. Uncertainty of Evaluation

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

	Uncerta				
Contribution	dB	Probability Distribution	u(X _i)		
Receiver Reading	0.10	Normal (k=2)	0.05		
Cable Loss	0.10	Normal (k=2)	0.05		
AMN Insertion Loss	2.50	Rectangular	0.63		
Receiver Specification	1.50	Rectangular	0.43		
Site Imperfection	1.39	Rectangular	0.80		
Mismatch	+0.34 / -0.35	U-Shape	0.24		
Combined Standard Uncertainty Uc(y)	1.13				
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))		2.26			

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

	Uncerta			
Contribution	dB	Probability Distribution	u(X _i)	
Receiver Reading	0.41	Normal (k=2)	0.21	
Antenna Factor Calibration	0.83	Normal (k=2)	0.42	
Cable Loss Calibration	0.25	Normal (k=2)	0.13	
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14	
RCV/SPA Specification	2.50	Rectangular	0.72	
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29	
Site Imperfection	1.43	Rectangular	0.83	
Mismatch	+0.39 / -0.41	U-Shape	0.28	
Combined Standard Uncertainty Uc(y)	1.27			
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.54			

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

	Uncertai					
Contribution	dB	Probability Distribution	u(X _i)	C _i	C _i * u(X _i)	
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10	
Antenna Factor Calibration	±1.70	0 Normal (k=2)		1	0.85	
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25	
Receiver Correction	±2.00	Rectangular	1.15	1	1.15	
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87	
Site Imperfection	±2.80	Triangular	1.14	1	1.14	
Mismatch Receiver VSWR Γ 1 = 0.197 Antenna VSWR Γ 2 = 0.194 Uncertainty = 20Log(1- Γ 1* Γ 2)	+0.34 / -0.35	U-Shape	0.244	1	0.244	
Combined Standard Uncertainty Uc(y)	2.36					
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.72					

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Appendix A. Photographs of EUT

Please refer to Sporton report number EP090827 as below.

SPORTON INTERNATIONAL (KUNSHAN) INC.

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