

FCC Test Report

APPLICANT : CT Asia

EQUIPMENT : **GSM** mobile phone

BRAND NAME : BLU

MODEL NAME : Deejay touch

FCC ID : YHLBLUDJTOUCH

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION : Certification

The product was received on Sep. 20, 2011 and completely tested on Oct. 18, 2011. We, SPORTON INTERNATIONAL (KUNSAHN) 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

Taf

Report No.: FD192002

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: YHLBLUDJTOUCH Page Number : 1 of 19
Report Issued Date : Oct. 19, 2011

Report Version : Rev. 01





TABLE OF CONTENTS

RE	VISIO	N HISTORY	3
SU	MMAF	RY OF TEST RESULT	4
1.	GEN	ERAL DESCRIPTION	5
	1.1.	Applicant	5
	1.2.	Manufacturer	
	1.3.	Feature of Equipment Under Test	5
	1.4.	Test Site	6
	1.5.	Applied Standards	
	1.6.	Ancillary Equipment List	6
2.	TEST	Γ CONFIGURATION OF EQUIPMENT UNDER TEST	7
	2.1.	Test Mode	7
	2.2.	Connection Diagram of Test System	
	2.3.	Test Software	8
3.	TES1	Γ RESULT	9
	3.1.	Test of AC Conducted Emission Measurement	9
		Test of Radiated Emission Measurement	
4.	LIST	OF MEASURING EQUIPMENT	17
5.	UNC	ERTAINTY OF EVALUATION	18
ΑP	PEND	DIX A. PHOTOGRAPHS OF EUT	
ΔP	PEND	NX B SETUP PHOTOGRAPHS	

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 2 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FD192002	Rev. 01	Initial issue of report	Oct. 19, 2011

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 3 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
						Under limit
4.1	15.107	7.2.2	AC Conducted Emission	< 15.107 limits	PASS	9.71 dB at
						1.25 MHz
						Under limit
4.2	15.109	7.2.3.2	Radiated Emission	< 15.109 limits	PASS	6.12 dB at
						336.40 MHz

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 4 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



1. General Description

1.1. Applicant

CT Asia

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

1.2. Manufacturer

Telacom INT'L Limited (Shenzhen) Office

Office Tower 28/F, the Pavilion Hotel, Hua Qiang Bei Road 4002, Futian District, 518028, Shenzhen, PRC

1.3. Feature of Equipment Under Test

Product F	Product Feature & Specification					
Equipment	GSM mobile phone					
Brand Name	BLU					
Model Name	Deejay touch					
FCC ID	YHLBLUDJTOUCH					
Tx Frequency Range	GSM850 : 824 MHz ~ 849 MHz GSM1900 : 1850 MHz ~ 1910 MHz					
Rx Frequency Range	GSM850 : 869 MHz ~ 894 MHz GSM1900 : 1930 MHz ~ 1990 MHz					
Antenna Type	Fixed Internal Antenna					
HW Version	M-20110816-P2-1.0					
SW Version	TL_K3053AU0_F56LL3A_00.35					
Type of Modulation	GMSK					
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.
- It is only the SIM card different between Deejay touch single SIM card mobile and Deejay touch double SIM card mobile, the others are the same including circuit design, PCB board, structure and all components. It is special to declare. Only double SIM card mobile was performed for this test.

SPORTON INTERNATIONAL (KUNSHAN) INC. TEL: 86-0512-5790-0158

FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 5 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



2.1. 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 Site No.				
Test Site No.	CO01-KS	03CH01-KS			

2.2. 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:

- 1, All test items were verified and recorded according to the standards and without any deviation during the test.
- 2, This report is intention of applying for FCC 15B Certification only.

2.3. 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.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
3.	PC	Dell	MT380	Fcc DoC	N/A	Unshielded, 1.8 m
4.	Monitor	Dell	E1910Hc	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.	(USB) Keyboard	DELL	L100	Fcc DoC	Shielded, 1.8 m with Core	N/A
7.	(USB) Mouse	DELL	MO56UC	Fcc DoC	Shielded, 1.8 m	N/A
8.	iPod	Apple	A1199	Fcc DoC	Shielded, 1.2 m	N/A
9.	Monitor	Dell	ST2220Lb	Fcc DoC	Shielded, 1.2 m	Unshielded, 1.8 m

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 6 of 19 Report Issued Date: Oct. 19, 2011

Report No.: FD192002

: Rev. 01 Report Version



3. Test Configuration of Equipment Under Test

3.1. 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.	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

Test Items	EUT Configure Mode	Function Type
AC Conducted Emission	1	Mode 1: GSM 1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone
Radiated Emissions < 1GHz	1	Mode 1: GSM 1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone
Radiated Emissions ≥ 1GHz	1	Mode 1: GSM 1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone

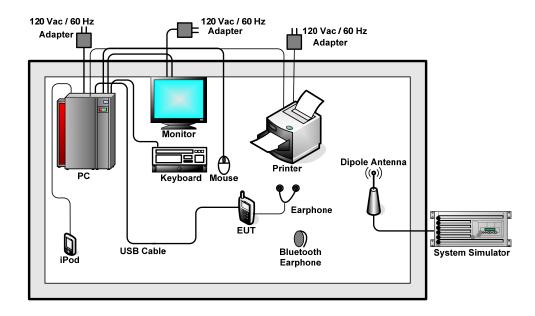
Remark: Data link with PC means data application transferred mode between DUT and PC.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 7 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



3.2. Connection Diagram of Test System



3.3. 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 notebook or PC for active sync files transfer with EUT via USB cable / iPod.
- 2. Keep EUT receiving signals from System Simulator continuously.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 8 of 19 Report Issued Date: Oct. 19, 2011

Report No.: FD192002

Report Version : Rev. 01



4. Test Result

4.1. 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. The EUT link with PC, connect PC 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.

SPORTON INTERNATIONAL (KUNSHAN) INC.

FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH

TEL: 86-0512-5790-0158

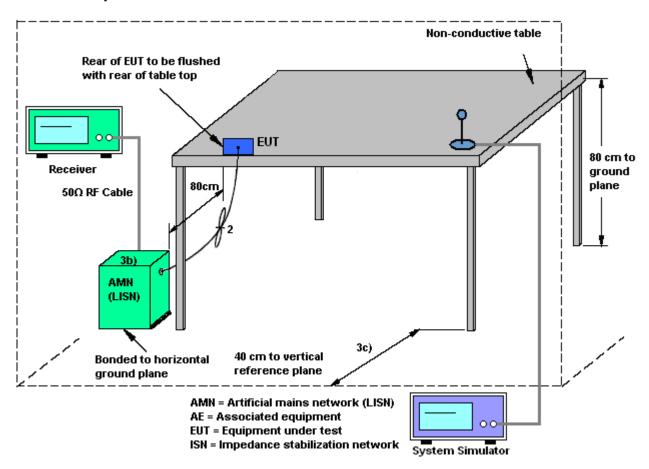
Page Number : 9 of 19
Report Issued Date : Oct. 19, 2011

Report No.: FD192002

Report Version : Rev. 01



3.1.4 Test Setup



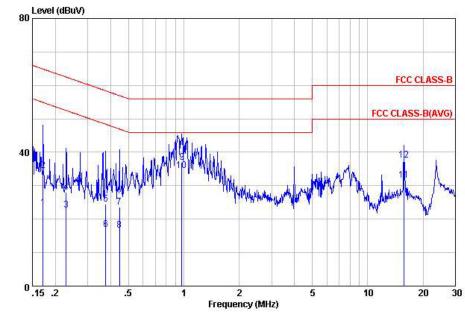
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 10 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01





3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	21~22℃				
Test Engineer :	Jack Li	Relative Humidity :	42~43%				
Test Voltage :	120Vac / 60Hz	Phase :	Line				
Function Type :	GSM 1900 Idle + Bluetooth	Idle + USB Cable (Data	a Link with PC) + Earphone				
Remark: All emissions not reported here are more than 10 dB below the prescribed							
Los	Lovel (dRuit)						



Site : COO1-KS

Condition: FCC CLASS-B LISN-100807 LINE

Project : (FD) 192002

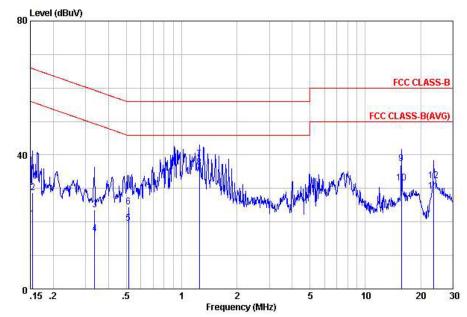
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
-50	MHz	dBu₹	dB	dBuV	dBu₹	dB	dB	ő:
1	0.17	23.47	-31.43	54.90	13.40	-0.07	10.14	Average
2	0.17	34.56	-30.34	64.90	24.49	-0.07	10.14	QP
3	0.23	22.79	-29.69	52.48	12.70	-0.07	10.16	Average
1 2 3 4 5 6 7 8 9	0.23	28.19	-34.29	62.48	18.10	-0.07	10.16	QP
5	0.38	24.61	-33.78	58.39	14.50	-0.08	10.19	QP
6	0.38	17.01	-31.38	48.39	6.90	-0.08	10.19	Average
7	0.45	23.62	-33.31	56.93	13.50	-0.08		OP
8	0.45	16.62	-30.31	46.93	6.50	-0.08	10.20	Average
9	0.97	37.06	-18.94	56.00	26.90	-0.10	10.26	OP
.0	0.97	34.56	-11.44	46.00	24.40	-0.10	10.26	Average
.1	15.72	31.61	-18.39	50.00	21.10	-0.01		Average
12	15.72		-22.39	60.00	27.10	-0.01	10.52	

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 11 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



Test Mode: Mode 1 Temperature: 21~22 Jack Li Test Engineer : Relative Humidity: 42~43% 120Vac / 60Hz Test Voltage: Phase: Neutral Function Type: GSM 1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone Remark: All emissions not reported here are more than 10 dB below the prescribed limit.



: C001-KS Site

Condition: FCC CLASS-B LISN-100807 NEUTRAL Project : (FD) 192002

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
-	MHz	dBu₹	dB	dBu₹	dBuV	dB	dB	6.
1	0.15	20.86	-34.88	55.74	10.81	-0.09	10.14	Average
2	0.15	28.85	-36.89	65.74	18.80	-0.09	10.14	QP
3	0.34	23.56	-35.75	59.31	13.46	-0.08	10.18	OP
4	0.34	16.57	-32.74	49.31	6.47	-0.08	10.18	Äverage
1 2 3 4 5 6 7 8 9	0.51	19.53	-26.47	46.00	9.40	-0.08	10.21	Average
6	0.51	24.53	-31.47	56.00	14.40	-0.08	10.21	
7	1.25	38.69	-17.31	56.00	28.50	-0.09	10.28	QP
8	1.25	36.29	-9.71	46.00	26.10	-0.09	10.28	Average
9	15.72	37.49	-22.51	60.00	27.00	-0.03	10.52	QP
10	15.72	31.69	-18.31	50.00	21.20	-0.03	10.52	Average
11	23.64	29.22	-20.78	50.00	18.49	0.10		Average
12	23.64	32.32	-27.68	60.00	21.59	0.10	10.63	QP _

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 12 of 19 Report Issued Date: Oct. 19, 2011 Report Version : Rev. 01



4.2. Test of Radiated Emission Measurement

4.2.1. 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

4.2.2. Measuring Instruments

See list of measuring instruments of this test report.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 13 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01

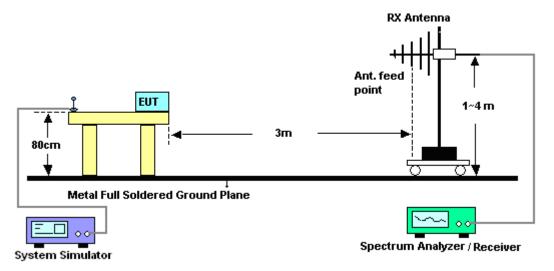


Report No.: FD192002

4.2.3. Test Procedures

- 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 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
- Emission level (dBuV/m) = 20 log Emission level (uV/m) 8.
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

4.2.4. Test Setup of Radiated Emission



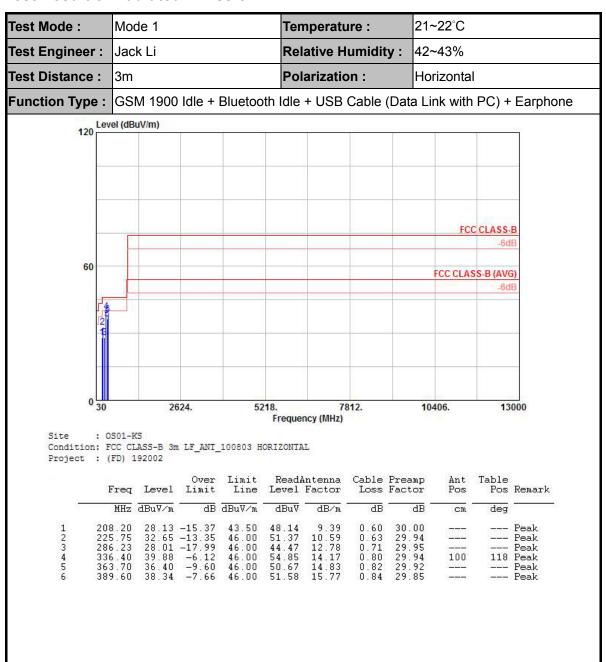
SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 14 of 19 Report Issued Date: Oct. 19, 2011

Report Version : Rev. 01



4.2.5. Test Result of Radiated Emission

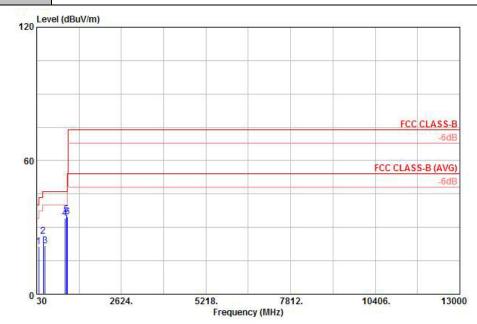


TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 15 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



Test Mode :Mode 1Temperature :21~22°CTest Engineer :Jack LiRelative Humidity :42~43%Test Distance :3mPolarization :Vertical

Function Type: GSM 1900 Idle + Bluetooth Idle + USB Cable (Data Link with PC) + Earphone



Site : OS01-KS

Condition: FCC CLASS-B 3m LF_ANT_100803 VERTICAL

Project : (FD) 192002

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	Ant Pos	Table Pos	Remark
85	MHz	dBuV/m	dB	$\overline{\mathtt{dBuV/m}}$	dBuV	dB/m	dB	dB	CM	deg	× -
1	95.34	21.44	-22.06	43.50	41.21	9.80	0.40	29.97			Peak
2	225.21	26.01	-19.99	46.00	44.82	10.50	0.63	29.94			Peak
2	284.07	21.82	-24.18	46.00	38.32	12.74	0.71	29.95		3-1-1-1	Peak
4	896.40	34.04	-11.96	46.00	41.78	20.45	1.30	29.49	(3-3-3-3-1)		Peak
5	935.60	35.80	-10.20	46.00	43.34	20.67	1.32	29.53	100	332	Peak
6	974 80	34 73	-19 27	54 00	41 96	20 92	1 38	29 53		0.000	Peak

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 16 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



5. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz	Jun. 02, 2011	Jun. 01, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Jan. 07, 2011	Jan. 06, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Jan. 07, 2011	Jan. 06, 2012	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	N/A	Nov. 10, 2010	Nov. 09, 2011	Conduction (CO01-KS)
System Simulator	R&S	CMU200	837587/066	Full-Band	Jan. 07, 2011	Jan. 06, 2012	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 16, 2010	Nov. 15, 2011	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 07, 2010	Dec. 06, 2011	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060004	30MHz~2GHz	Dec. 09, 2010	Dec. 08, 2011	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)
Active Horn Antenna	com-power	AHA-118	701023	1GHz -18GHz	Nov. 09, 2010	Nov. 08, 2011	Radiation (03CH01-KS)
SHE-EHF Horn	Schwarzbeck	BBHA9170	BBHA170249	15GHz -40GHz	Oct. 11, 2011	Oct. 10, 2012	Radiation (03CH01-KS)
System Simulator	R&S	CMU200	837587/066	Full-Band	Jan. 07, 2011	Jan. 06, 2012	Radiation (03CH01-KS)

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 17 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



6. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

				
	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			

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 18 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01





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

		<u> </u>				
	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	Normal (k=2)	0.85	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					

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : 19 of 19
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01



FCC Test Report No.: FD192002

Appendix A. Photographs of EUT

Please refer to Sporton report number EP192002 as below.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDJTOUCH Page Number : A1 of A1
Report Issued Date : Oct. 19, 2011
Report Version : Rev. 01