

FCC RF Test Report

APPLICANT : CT Asia

EQUIPMENT: GSM mobile phone

BRAND NAME : BLU

MODEL NAME : Deco XT

FCC ID : YHLBLUDECOXT

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Jun. 05, 2012 and completely tested on Jun. 21, 2012. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the procedures 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.: FR260505B

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: YHLBLUDECOXT Page Number : 1 of 59
Report Issued Date : Jun. 26, 2012

Report Version : Rev. 01



TABLE OF CONTENTS

RE	visioi	N HISTORY	3
SUI	MMAF	RY OF TEST RESULT	4
1	GENE	ERAL DESCRIPTION	5
	1.1	Applicant	5
	1.2	Manufacturer	5
	1.3	Feature of Equipment Under Test	5
	1.4	Testing Site	6
	1.5	Applied Standards	6
	1.6	Ancillary Equipment List	6
2	TEST	CONFIGURATION OF EQUIPMENT UNDER TEST	7
	2.1	Carrier Frequency Channel	7
	2.2	Pre-Scanned RF Power	7
	2.3	Test Mode	8
	2.4	Connection Diagram of Test System	9
	2.5	RF Utility	10
3	TEST	RESULT	11
	3.1	6dB Bandwidth Measurement	11
	3.2	Output Power Measurement	16
	3.3	Power Spectral Density Measurement	19
	3.4	Conducted Band Edges and Spurious Emission Measurement	24
	3.5	Radiated Emission Measurement	35
	3.6	AC Conducted Emission Measurement	53
	3.7	Antenna Requirements	57
4	LIST	OF MEASURING EQUIPMENT	58
5	UNCE	ERTAINTY OF EVALUATION	59
API	PEND	IX A. PHOTOGRAPHS OF EUT	
API	PEND	IX B. SETUP PHOTOGRAPHS	

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 2 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR260505B	Rev. 01	Initial issue of report	Jun. 26, 2012

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 3 of 59 Report Issued Date : Jun. 26, 2012

Report No.: FR260505B

: Rev. 01 Report Version



SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	A8.2(a)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.2	15.247(b)	A8.4	Power Output Measurement	≤ 30dBm	Pass	-
3.3	15.247(e)	A8.2(b)	Power Spectral Density	≤8dBm/3kHz	Pass	-
3.4	45.047(1)		Conducted Band Edges	- ≤ 20dBc	Pass	-
3.4	15.247(d)	A8.5	Conducted Spurious Emission	<u> </u>	Pass	-
2.5	45.047/4\	40.5	Radiated Band Edges	15.209(a) &	Pass	-
3.5	15.247(d)	A8.5	Radiated Spurious Emission	15.247(d)	Pass	Under limit 7.53 dB at 46.490 MHz
3.6	15.207	Gen 7.2.4	AC Conducted Emission	15.207(a)	Pass	Under limit 7.22 dB at 3.210 MHz
3.7	15.203 & 15.247(b)	A8.4	Antenna Requirement	N/A	Pass	-

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 4 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



General Description

1.1 Applicant

CT Asia

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

1.2 Manufacturer

Zechin Communications Co., Ltd.

Unit804, 8th Floor Desay Tech Building Gaoxin Road South, Nanshan District Shenzhen, China

1.3 Feature of Equipment Under Test

Product Feature				
Equipment	GSM mobile phone			
Brand Name	BLU			
Model Name	Deco XT			
FCC ID	YHLBLUDECOXT			
EUT supports Radios application	GSM / WLAN 11bg / Bluetooth			
HW Version	ver2.0			
SW Version	REL_C1.2ZZ02V01.01			
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.

Product Specification subjective to this standard					
Tx/Rx Frequency Range	2412 MHz ~ 2462 MHz				
Number of Channels	11				
Carrier Frequency of Each Channel	2412+(n-1)*5 MHz; n=1~11				
Maximum Output Power to Antenna	802.11b : 19.37 dBm (0.086 W)				
Maximum Output Fower to Antenna	802.11g : 17.68 dBm (0.059 W)				
99% Occupied Bandwidth	802.11b : 15.00MHz				
99 % Occupied Baildwidth	802.11g : 16.40MHz				
Antenna Type	PIFA Antenna with gain -0.50 dBi				
Type of Modulation	802.11b : DSSS (BPSK / QPSK / CCK)				
Type of Modulation	802.11g : OFDM (BPSK / QPSK / 16QAM / 64QAM)				

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 5 of 59 Report Issued Date: Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01



1.4 Testing Site

Test Site	SPORTON IN	SPORTON INTERNATIONAL (KUNSHAN) INC.					
Took Site	No. 3-2, Ping	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P.R.C.					
Test Site	TEL: +86-0512-5790-0158						
Location	FAX: +86-0512-5790-0958						
Test Site No.	5	Sporton Site N	lo.	FCC/IC Registration No.			
rest site No.	TH01-KS	CO01-KS	03CH01-KS	149928/4086E-1			

1.5 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v01
- FCC TCB Workshop 2012, April
- ANSI C63.4-2003 and ANSI C63.10-2009
- IC RSS-210 Issue 8
- IC RSS-Gen Issue 3

Remark:

- **1.** All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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.	WLAN AP	D-Link	DIR-855	KA2DIR855A2	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	VOSTRO1450	FCC DoC	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Nokia	BH-106	QTLBH-106	N/A	N/A
5.	DC Power Supply	GWINSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 6 of 59
Report Issued Date : Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01



2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
	1	2412	7	2442
	2	2417	8	2447
0400 0400 F MU-	3	2422	9	2452
2400-2483.5 MHz	4	2427	10	2457
	5	2432	11	2462
	6	2437	-	-

2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate as below table and the highest power data rates (11b, 11g modes) were chosen for full test in the following sections to demonstrate compliance to the FCC limit line.

2.4GHz 802.11b mode						
Data Rate (MHz)	1M bps	2M bps	5.5M bps	s 11M bps		
Peak Power (dBm)	19.37	19.28	19.19	19.36		

2.4GHz 802.11g mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	17.68	17.36	17.65	17.66	17.32	17.57	17.22	17.30

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 7 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



2.3 Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and ANSI C63.10-2009 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 KHz to 30 MHz), radiated emission (30 MHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

Pre-scanned tests, X, Y, Z in three orthogonal panels, were conducted to determine the final configuration from all possible combinations.

The following tables are showing the test modes as the worst cases (X and Z plane) and recorded in this report.

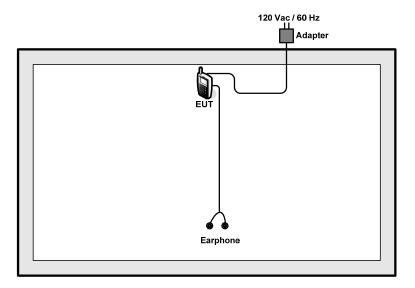
	Test Cases							
Test Item	802.11b (Modulation : DSSS) 802.11g/n (Modulation : OFDM)							
	Test Mode	802.11b	802.11g					
Conducted	CH01	1	4					
TCs	CH06	2	5					
	CH11	3	6					
	Test Mode	802.11b	802.11g					
Radiated	CH01	1	4					
TCs	CH06	2	5					
	CH11	3	6					
AC Conducted	Mode 1 :GS	M850 Idle + Bluetooth Link + WL	AN Link + Adapter + Earphone +					
Emission	Cam	nera						

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 8 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

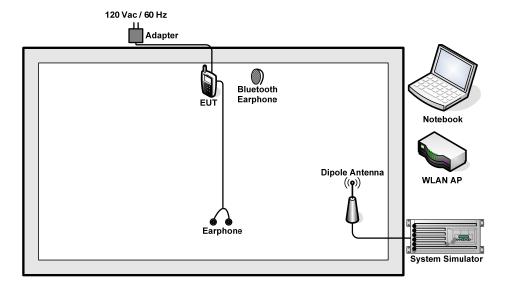


2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 9 of 59 Report Issued Date: Jun. 26, 2012 Report Version : Rev. 01



2.5 RF Utility

For WLAN function, key in "* # 336633 #" on the EUT directly. Then, the EUT will get into the engineering modes to contact with WLAN AP for continuous transmitting and receiving signals.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 10 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3 **Test Result**

3.1 6dB Bandwidth Measurement

3.1.1 Limit of 6dB Bandwidth

The minimum 6 dB bandwidth shall be at least 500 KHz.

3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

- The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance and TCB Workshop 2012, April.
- 2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable. The path loss was compensated to the results for each measurement.
- 3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1-5% of the emission bandwidth (EBW).Set the Video bandwidth (VBW) ≥ 3 * RBW. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 KHz.
- 4. The marker-delta reading at this point is the 6 dB bandwidth of the emission.

3.1.4 Test Setup



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT

: 11 of 59 Page Number Report Issued Date: Jun. 26, 2012 : Rev. 01

Report No.: FR260505B

Report Version

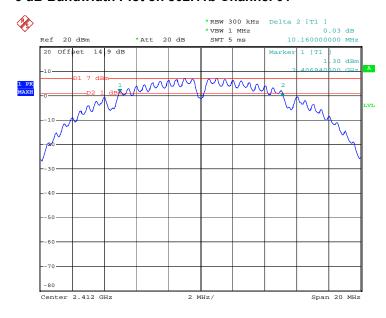


3.1.5 Test Result of 6dB Bandwidth

Test Mode :	802.11b	Temperature :	23~24 ℃
Test Engineer :	Lizy Li	Relative Humidity :	47~48%

Channel	Frequency (MHz)	802.11b 6dB Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Pass/Fail
01	2412	10.16	0.5	Pass
06	2437	10.12	0.5	Pass
11	2462	10.16	0.5	Pass

6 dB Bandwidth Plot on 802.11b Channel 01



Date: 14.JUN.2012 19:10:03

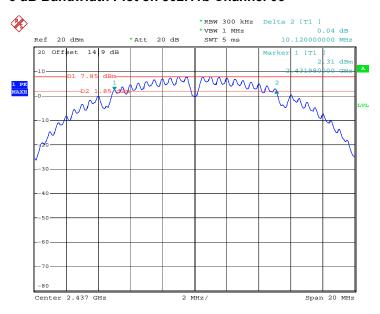
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 12 of 59
Report Issued Date : Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01

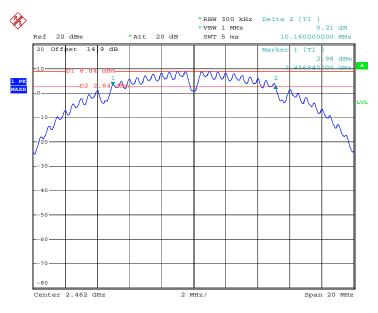


6 dB Bandwidth Plot on 802.11b Channel 06



Date: 14.JUN.2012 19:16:18

6 dB Bandwidth Plot on 802.11b Channel 11



Date: 14.JUN.2012 19:18:46

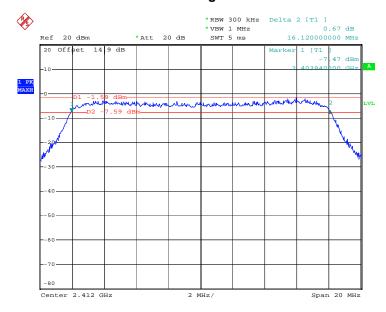
SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 13 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

Test Mode :	802.11g	Temperature :	23~24℃
Test Engineer :	Lizy Li	Relative Humidity :	47~48%

Channel	Frequency (MHz)	802.11g 6dB Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Pass/Fail
01	2412	16.12	0.5	Pass
06	2437	16.28	0.5	Pass
11	2462	16.24	0.5	Pass

6 dB Bandwidth Plot on 802.11g Channel 01



Date: 14.JUN.2012 19:36:47

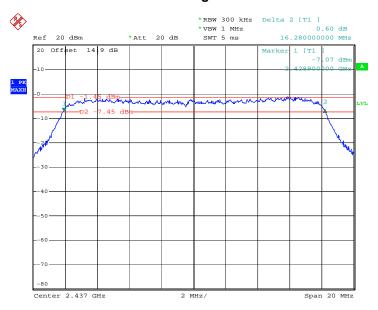
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 14 of 59
Report Issued Date : Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01

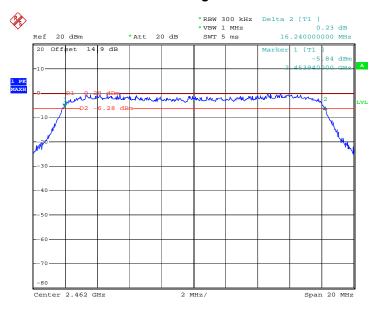






Date: 14.JUN.2012 19:33:27

6 dB Bandwidth Plot on 802.11g Channel 11



Date: 14.JUN.2012 19:29:40

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 15 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz and 5725-5850MHz, the limit for peak output power is 30dBm. If transmitting Antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the Antenna exceeds 6dBi.

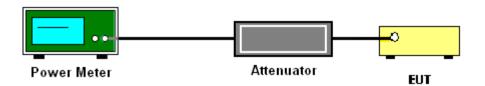
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

- The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance and TCB Workshop 2012, April.
- 2. The RF output of EUT was connected to the power meter by a low loss cable
- 3. Measure the power by power meter.

3.2.4 Test Setup



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 16 of 59
Report Issued Date : Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01



FCC RF Test Report

3.2.5 Test Result of Peak Output Power

Test Mode :	802.11b	Temperature :	23~24 ℃
Test Engineer :	Lizy Li	Relative Humidity :	47~48%

Channel	Frequency (MHz)	802.11b Peak Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
01	2412	17.36	30	Pass
06	2437	18.32	30	Pass
11	2462	19.37	30	Pass

Test Mode :	802.11g	Temperature :	23~24 ℃
Test Engineer :	Lizy Li	Relative Humidity :	47~48%

Channel	Frequency (MHz)	802.11g Peak Output Power (dBm)	Max. Limits (dBm)	Pass/Fail
01	2412	15.49	30	Pass
06	2437	16.66	30	Pass
11	2462	17.68	30	Pass

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 17 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

3.2.6 Test Result of Average output Power (Reporting Only)

Test Mode:	802.11b	Temperature :	23~24
Test Engineer :	Lizy Li	Relative Humidity :	47~48
Duty Cycle:	100.00%	Duty Factor:	0.00dB

Channel	Frequency (MHz)	802.11b Average Output Power (dBm)
01	2412	15.46
06	2437	16.38
11	2462	17.49

Test Mode :	802.11g	Temperature :	23~24
Test Engineer :	Lizy Li	Relative Humidity :	47~48
Duty Cycle:	100.00%	Duty Factor:	0.00dB

Channel	Frequency (MHz)	802.11g Average Output Power (dBm)
01	2412	5.32
06	2437	6.33
11	2462	7.30

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 18 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3.3 Power Spectral Density Measurement

Limit of Power Spectral Density 3.3.1

The peak power spectral density shall not be greater than 8dBm in any 3KHz band at any time interval of continuous transmission.

3.3.2 **Measuring Instruments**

See list of measuring instruments of this test report.

3.3.3 **Test Procedures**

- The testing follows Measurement Procedure 5.3.1 (Peak PSD) of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance and TCB Workshop 2012, April.
- 2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable. The path loss was compensated to the results for each measurement.
- 3. Record the measurement data derived from spectrum analyzer.
- 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 KHz. Video bandwidth (VBW) >= 300 KHz In order to make an accurate measurement, set the span to 5-30% greater than Emission Bandwidth (EBW)
- Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully 5. stabilize. Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
- 6. Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log (3 kHz/100 kHz = -15.2 dB).

3.3.4 Test Setup



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

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



3.3.5 Test Result of Power Spectral Density

Test Mode :	802.11b	Temperature :	23~24 ℃
Test Engineer :	Lizy Li	Relative Humidity :	47~48%

	Fraguency	802.11b Power Density		Max. Limits	
Channel	(MHz)	Measured PSD/100KHz (dBm)	PSD/3KHz (dBm)	(dBm)	Pass/Fail
01	2412	6.36	-8.84	8	Pass
06	2437	7.41	-7.79	8	Pass
11	2462	8.41	-6.79	8	Pass

Note:

- 1. Measured power density (dBm) has offset with cable loss.
- 2. $BWCF(dB) = 10 \log (3k/100k) = -15.2 dB$
- 3. Power Density/ 3kHz (dBm)= Measured power density/ 100KHz (dBm) + BWCF (dB)

PSD Plot on 802.11b Channel 01



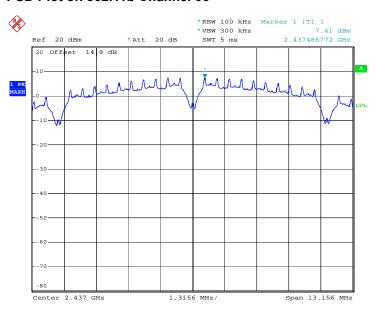
Date: 14.JUN.2012 19:10:25

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 20 of 59
Report Issued Date : Jun. 26, 2012

Report Version : Rev. 01



PSD Plot on 802.11b Channel 06



Date: 14.JUN.2012 19:16:40

PSD Plot on 802.11b Channel 11



Date: 14.JUN.2012 19:19:06

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 21 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

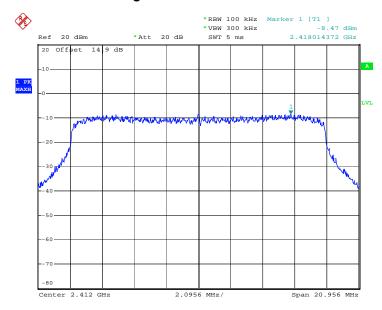
Test Mode :	802.11g	Temperature :	23~24 ℃
Test Engineer :	Lizy Li	Relative Humidity :	47~48%

	802.11g Power Density		Max. Limits		
Channel	Frequency (MHz)	Measured PSD/100KHz (dBm)	PSD/3KHz (dBm) (dBm)		Pass/Fail
01	2412	-8.47	-23.67	8	Pass
06	2437	-6.99	-22.19	8	Pass
11	2462	-6.21	-21.41	8	Pass

Note:

- 1. Measured power density (dBm) has offset with cable loss.
- 2. $BWCF(dB) = 10 \log (3k/100k) = -15.2 dB$
- 3. Power Density/ 3KHz (dBm)= Measured power density/ 100KHz (dBm) + BWCF (dB)

PSD Plot on 802.11g Channel 01

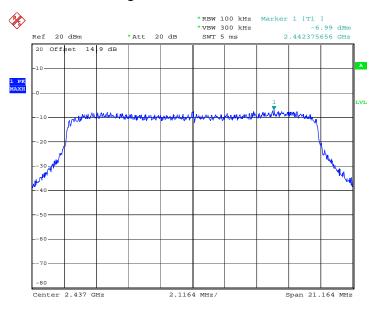


Date: 14.JUN.2012 19:37:06

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 22 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

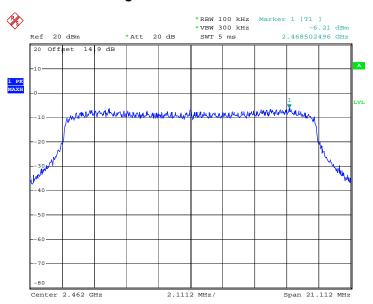


PSD Plot on 802.11g Channel 06



Date: 14.JUN.2012 19:33:47

PSD Plot on 802.11g Channel 11



Date: 14.JUN.2012 19:30:00

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 23 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3.4 Conducted Band Edges and Spurious Emission Measurement

Limit of Conducted Band Edges and Spurious Emission Measurement 3.4.1

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

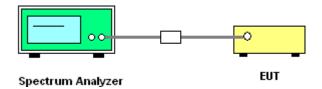
3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 **Test Procedures**

- The testing follows the guidelines in the Measurement Procedure of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance and TCB Workshop 2012, April.
- 2. Set RBW = 100 KHz, VBW=300 KHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz, when maximum peak conducted output power procedure is used. The attenuation is set to 30dB, when maximum conducted output power procedure is used.

3.4.4 Test Setup



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 24 of 59 Report Issued Date: Jun. 26, 2012

Report No.: FR260505B

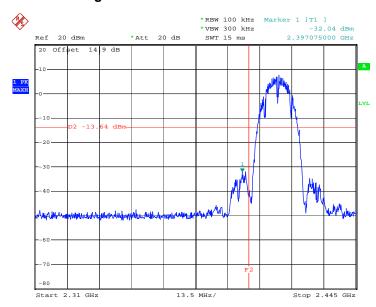
Report Version : Rev. 01



3.4.5 Test Plots of Conducted Band Edges

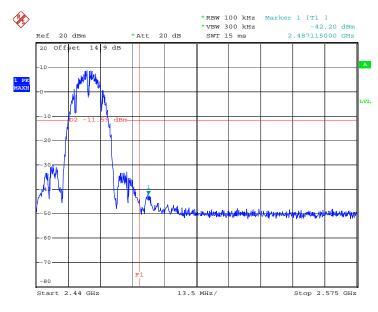
Test Mode :	802.11b	Temperature :	23~24 ℃
Test Band :	Low and High	Relative Humidity :	47~48%
Test Channel :	01 and 11	Test Engineer :	Lizy Li

Low Band Edge Plot on 802.11b Channel 01



Date: 18.JUN.2012 22:20:49

High Band Edge Plot on 802.11b Channel 11



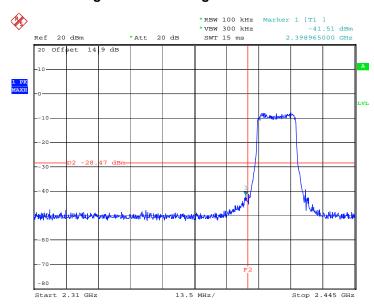
Date: 18.JUN.2012 22:21:37

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 25 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



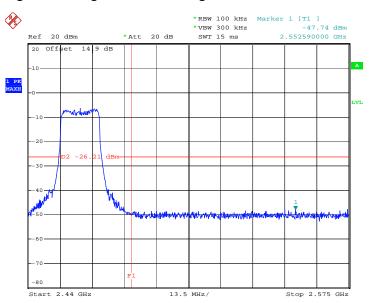
Test Mode :802.11gTemperature :23~24℃Test Band :Low and HighRelative Humidity :47~48%Test Channel :01 and 11Test Engineer :Lizy Li

Low Band Edge Plot on 802.11g Channel 01



Date: 18.JUN.2012 22:24:48

High Band Edge Plot on 802.11g Channel 11



Date: 18.JUN.2012 22:25:31

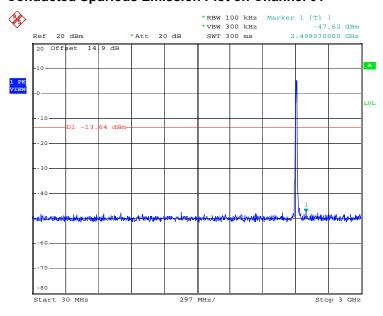
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 26 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

3.4.6 Test Plots of Spurious Emission

Test Mode :	802.11b	Temperature :	23~24℃
Test Band :	30MHz-3GHz and 2G-25GHz	Relative Humidity :	47~48%
Test Channel :	01, 06, 11	Test Engineer :	Lizy Li

802.11b 30 MHz~3 GHz

Conducted Spurious Emission Plot on Channel 01



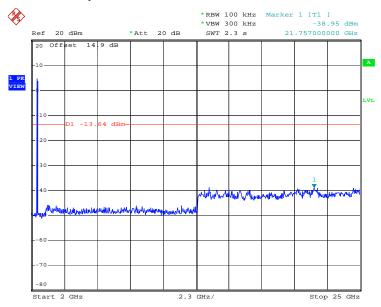
Date: 14.JUN.2012 19:13:14

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 27 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



802.11b 2 GHz~25 GHz

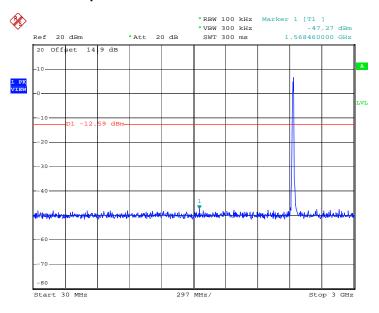
Conducted Spurious Emission Plot on Channel 01



Date: 14.JUN.2012 19:13:32

802.11b 30 MHz~3 GHz

Conducted Spurious Emission Plot on Channel 06



Date: 14.JUN.2012 19:17:02

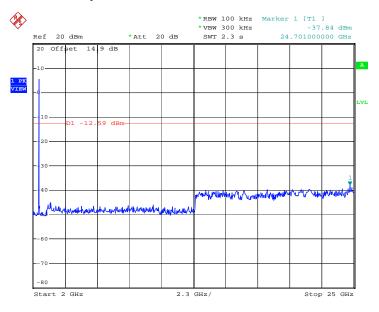
SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 28 of 59 Report Issued Date: Jun. 26, 2012 Report Version : Rev. 01



802.11b 2 GHz~25 GHz

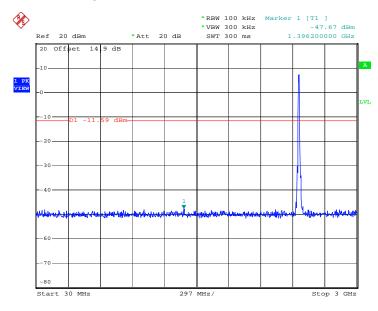
Conducted Spurious Emission Plot on Channel 06



Date: 14.JUN.2012 19:17:21

802.11b 30 MHz~3 GHz

Conducted Spurious Emission Plot on Channel 11



Date: 14.JUN.2012 19:19:30

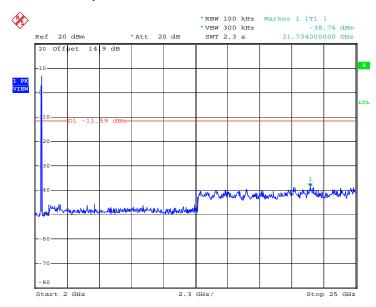
SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 29 of 59 Report Issued Date: Jun. 26, 2012 Report Version : Rev. 01



802.11b 2 GHz~25 GHz

Conducted Spurious Emission Plot on Channel 11



Date: 14.JUN.2012 19:19:48

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 30 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

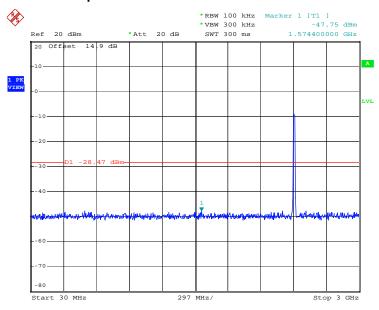


FCC RF Test Report

Test Mode :	802.11g	Temperature :	23~24℃
Test Band :	30MHz-3GHz and 2G-25GHz	Relative Humidity :	47~48%
Test Channel :	01, 06, 11	Test Engineer :	Lizy Li

802.11g 30 MHz~3 GHz

Conducted Spurious Emission Plot on Channel 01



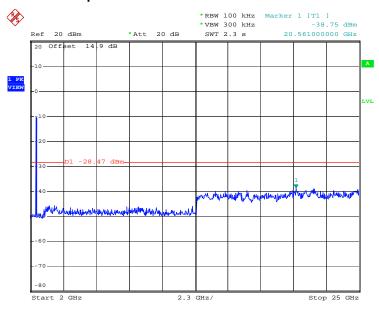
Date: 14.JUN.2012 19:37:58

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 31 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



802.11g 2 GHz~25 GHz

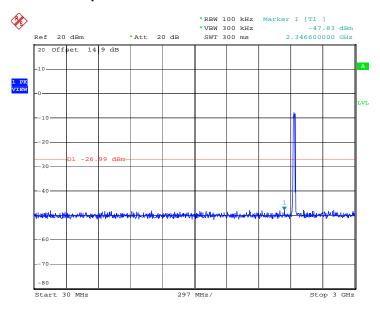
Conducted Spurious Emission Plot on Channel 01



Date: 14.JUN.2012 19:38:17

802.11g 30 MHz~3 GHz

Conducted Spurious Emission Plot on Channel 06



Date: 14.JUN.2012 19:34:39

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 32 of 59 Report Issued Date : Jun. 26, 2012

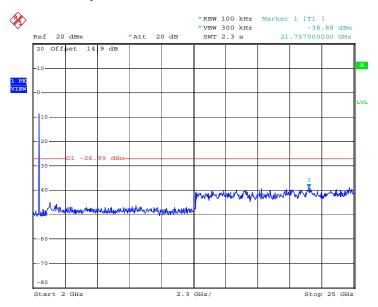
Report No.: FR260505B

Report Version : Rev. 01



802.11g 2 GHz~25 GHz

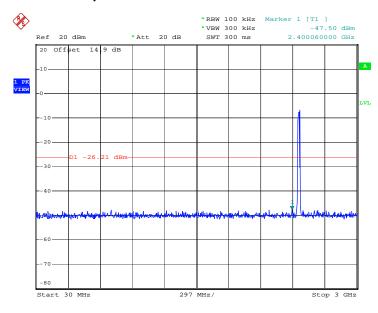
Conducted Spurious Emission Plot on Channel 06



Date: 14.JUN.2012 19:34:58

802.11g 30 MHz~3 GHz

Conducted Spurious Emission Plot on Channel 11



Date: 14.JUN.2012 19:30:47

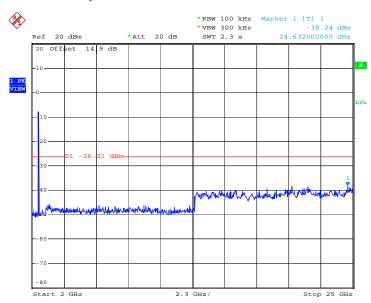
SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 33 of 59 Report Issued Date: Jun. 26, 2012 Report Version : Rev. 01



802.11g 2 GHz~25 GHz

Conducted Spurious Emission Plot on Channel 11



Date: 14.JUN.2012 19:31:05

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 34 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3.5 Radiated Emission Measurement

3.5.1 **Limit of Radiated Emission**

In any 100 KHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

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

3.5.2 **Measuring Instruments**

See list of measuring instruments of this test report.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 35 of 59 Report Issued Date: Jun. 26, 2012

Report No.: FR260505B

: Rev. 01 Report Version

3.5.3 **Test Procedures**

- 1. The testing follows TCB Workshop 2012, April and fulfills ANSI C63.4-2003 and the guidelines in ANSI C63.10-2009 test site requirement. 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. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 2. The EUT was placed on a turntable with 0.8 meter above ground.
- 3. The EUT was set 3 meters from the interference receiving Antenna, which was mounted on the top of a variable height Antenna tower.
- 4. The table was rotated 360 degrees to determine the position of the highest radiation.
- 5. Use the following spectrum analyzer settings:
 - (1) Span shall wide enough to fully capture the emission being measured;
 - (2) Set RBW = 1 MHz for $f \ge 1$ GHz, 100 KHz for f < 1 GHz; VBW \ge RBW; Sweep = auto; Detector function = peak; Trace = max hold;
- 6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
- If the emission level of the EUT measured by the peak detector is more than 3 dB lower than 7. the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 36 of 59 Report Issued Date: Jun. 26, 2012

Report No.: FR260505B

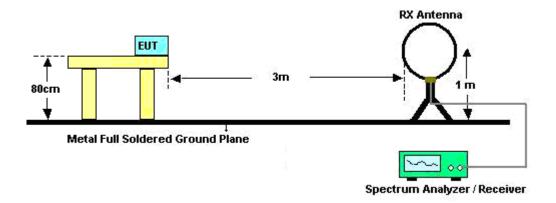
Report Version : Rev. 01



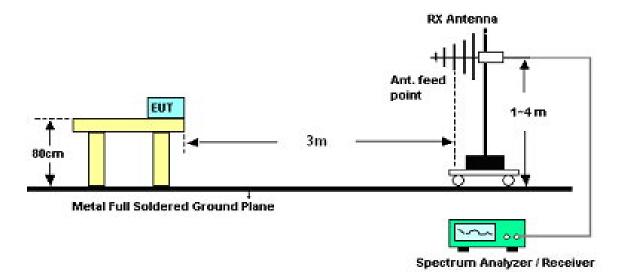
Report No.: FR260505B

3.5.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number

: 37 of 59 Report Issued Date: Jun. 26, 2012

Report Version

: Rev. 01



Ant. feed point 1~4 m Metal Full Soldered Ground Plane

For radiated emissions above 1GHz

3.5.5 Test Results of Radiated Emissions (9 KHz ~ 30 MHz)

The low frequency, which started from 9 KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 38 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

Report No.: FR260505B

Spectrum Analyzer / Receiver

3.5.6 Test Result of Radiated Band Edges

Test Mode :	802.11b	Temperature :	21~22 ℃
Test Band :	Low	Relative Humidity :	47~48%
Test Channel :	01	Test Engineer :	Chenmy Cheng

	ANTENNA POLARITY : HORIZONTAL											
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)			
2387.9	49.25	-24.75	74	46.97	32.86	3.47	34.05	136	226	Peak		
2387.9	34.78	-19.22	54	32.5	32.86	3.47	34.05	136	226	Average		

	ANTENNA POLARITY: VERTICAL												
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remar													
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)				
2349.14	48.7	-25.3	74	46.53	32.78	3.33	33.94	100	52	Peak			
2349.14	34.25	-19.75	54	32.08	32.78	3.33	33.94	100	52	Average			

Test Mode :	802.11b	Temperature :	21~22 ℃
Test Band :	High	Relative Humidity :	47~48%
Test Channel :	11	Test Engineer :	Chenmy Cheng

	ANTENNA POLARITY : HORIZONTAL											
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)			
2488.22	50.29	-23.71	74	47.75	33.05	3.72	34.23	120	245	Peak		
2488.22	37.43	-16.57	54	34.89	33.05	3.72	34.23	120	245	Average		

	ANTENNA POLARITY : VERTICAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)				
2489.55	49.44	-24.56	74	46.9	33.05	3.72	34.23	151	225	Peak			
2489.55	38.19	-15.81	54	35.65	33.05	3.72	34.23	151	225	Average			

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 39 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22℃
Test Band :	Low	Relative Humidity :	47~48%
Test Channel :	01	Test Engineer :	Chenmy Cheng

	ANTENNA POLARITY : HORIZONTAL											
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)			
2389.99	49.05	-24.95	74	46.77	32.86	3.47	34.05	120	26	Peak		
2389.99	38.17	-15.83	54	35.89	32.86	3.47	34.05	120	26	Average		

	ANTENNA POLARITY: VERTICAL											
Frequency	equency Level Over Limit Read Antenna Cable Preamp Ant Table Remark											
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)			
2390	49.05	-24.95	74	46.77	32.86	3.47	34.05	100	42	Peak		
2390	36.94	-17.06	54	34.66	32.86	3.47	34.05	100	42	Average		

Test Mode :	802.11g	Temperature :	21~22°ℂ
Test Band :	High	Relative Humidity :	47~48%
Test Channel :	11	Test Engineer :	Chenmy Cheng

ANTENNA POLARITY : HORIZONTAL											
Frequency											
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)		
2495.44	49.1	-24.9	74	46.56	33.05	3.72	34.23	122	122	Peak	
2495.44	36.75	-17.25	54	34.21	33.05	3.72	34.23	122	122	Average	

	ANTENNA POLARITY : VERTICAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)				
2497.91	48.56	-25.44	74	46.02	33.05	3.72	34.23	122	162	Peak			
2497.91	38.42	-15.58	54	35.88	33.05	3.72	34.23	122	162	Average			

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 40 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

3.5.8 Test Result of Radiated Emission (30 MHz ~ 10th Harmonic)

Test Mode :	802.11b	Temperature :	21~22℃						
Test Channel :	01	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Horizontal							
Remark :	2412 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	$(dB\mu V/m)$	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
51.34	27.36	-12.64	40	50	7.21	0.28	30.13	-	-	Peak
205.57	31.89	-11.61	43.5	52.04	9.25	0.6	30	-	-	Peak
764.29	26.11	-19.89	46	34.57	19.89	1.2	29.55	-	-	Peak
874.87	29.65	-16.35	46	37.45	20.48	1.29	29.57	-	-	Peak
941.8	35.84	-10.16	46	43.34	20.7	1.33	29.53	100	12	Peak
957.32	35.4	-10.6	46	42.83	20.77	1.34	29.54	-	-	Peak
2387.9	49.25	-24.75	74	46.97	32.86	3.47	34.05	136	226	Peak
2387.9	34.78	-19.22	54	32.5	32.86	3.47	34.05	136	226	Average
2412	92.25	-	-	89.92	32.89	3.52	34.08	145	111	Peak
2412	90.3	-	-	87.97	32.89	3.52	34.08	145	111	Average
2499.62	48.63	-25.37	74	46.09	33.05	3.72	34.23	136	102	Peak
2499.62	35.22	-18.78	54	32.68	33.05	3.72	34.23	136	102	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 41 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11b	Temperature :	21~22℃						
Test Channel :	01	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Vertical							
Remark :	2412 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
46.49	32.47	-7.53	40	53.45	8.88	0.27	30.13	100	21	Peak
542.16	26.61	-19.39	46	36.95	18.35	1	29.69	-	-	Peak
562.53	28.72	-17.28	46	38.86	18.52	1.01	29.67	-	-	Peak
873.9	27.65	-18.35	46	35.46	20.48	1.29	29.58	-	-	Peak
941.8	33.66	-12.34	46	41.16	20.7	1.33	29.53	-	-	Peak
957.32	34.35	-11.65	46	41.78	20.77	1.34	29.54	-	-	Peak
2349.14	48.7	-25.3	74	46.53	32.78	3.33	33.94	100	52	Peak
2349.14	34.25	-19.75	54	32.08	32.78	3.33	33.94	100	52	Average
2412	89.1	-	-	86.77	32.89	3.52	34.08	154	266	Peak
2412	84.26	-	-	81.93	32.89	3.52	34.08	154	266	Average
2495.44	48.5	-25.5	74	45.96	33.05	3.72	34.23	122	136	Peak
2495.44	36.54	-17.46	54	34	33.05	3.72	34.23	122	136	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 42 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11b	Temperature :	21~22 ℃						
Test Channel :	06	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	Polarization :	Horizontal						
Remark :	2437 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	$(dB\mu V/m)$	(dB)	$(dB\mu V/m)$	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
30	21.58	-18.42	40	33.4	18	0.26	30.08	-	-	Peak
205.57	28.8	-14.7	43.5	48.95	9.25	0.6	30	-	-	Peak
527.61	24.24	-21.76	46	35	17.96	0.98	29.7	-	-	Peak
815.7	25.97	-20.03	46	34.3	20.02	1.26	29.61	-	-	Peak
873.9	27.84	-18.16	46	35.65	20.48	1.29	29.58	-	-	Peak
957.32	35.69	-10.31	46	43.12	20.77	1.34	29.54	100	26	Peak
2370.61	49.67	-24.33	74	47.43	32.83	3.42	34.01	100	125	Peak
2370.61	38.79	-15.21	54	36.55	32.83	3.42	34.01	100	125	Average
2437	92.03	-	-	89.63	32.95	3.6	34.15	150	11	Peak
2437	87.22	-	-	84.82	32.95	3.6	34.15	150	11	Average
2487.08	49.15	-24.85	74	46.66	33.01	3.68	34.2	165	330	Peak
2487.08	37.36	-16.64	54	34.87	33.01	3.68	34.2	165	330	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 43 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11b	Temperature :	21~22℃						
Test Channel :	06	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Vertical							
Remark :	2437 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
45.52	32.14	-7.86	40	52.75	9.25	0.27	30.13	100	156	Peak
225.94	27.44	-18.56	46	46.16	10.59	0.63	29.94	-	-	Peak
535.37	27.38	-18.62	46	37.89	18.19	0.99	29.69	-	-	Peak
567.38	27.72	-18.28	46	37.83	18.53	1.02	29.66	-	-	Peak
873.9	28.16	-17.84	46	35.97	20.48	1.29	29.58	-	-	Peak
941.8	34.94	-11.06	46	42.44	20.7	1.33	29.53	-	-	Peak
2346.86	49.1	-24.9	74	46.93	32.78	3.33	33.94	100	211	Peak
2346.86	36.46	-17.54	54	34.29	32.78	3.33	33.94	100	211	Average
2437	88.75	-	-	86.35	32.95	3.6	34.15	127	55	Peak
2437	85.71	-	-	83.31	32.95	3.6	34.15	127	55	Average
2486.7	49.26	-24.74	74	46.77	33.01	3.68	34.2	144	300	Peak
2486.7	37.37	-16.63	54	34.88	33.01	3.68	34.2	144	300	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 44 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11b	Temperature :	21~22℃						
Test Channel :	11	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	Chenmy Cheng Polarization: Horizon							
Remark :	2462 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
30	21.04	-18.96	40	32.86	18	0.26	30.08	-	-	Peak
209.45	22.42	-21.08	43.5	42.38	9.44	0.6	30	-	-	Peak
688.63	24.29	-21.71	46	33.66	19.23	1.12	29.72	-	-	Peak
769.14	26.24	-19.76	46	34.72	19.88	1.2	29.56	-	-	Peak
873.9	29.65	-16.35	46	37.46	20.48	1.29	29.58	-	-	Peak
941.8	36.05	-9.95	46	43.55	20.7	1.33	29.53	100	281	Peak
2340.02	37.81	-16.19	54	35.64	32.78	3.33	33.94	122	254	Average
2340.02	49.96	-24.04	74	47.79	32.78	3.33	33.94	122	254	Peak
2462	88.26	-	-	85.81	32.98	3.64	34.17	120	30	Average
2462	93.56	-	-	91.11	32.98	3.64	34.17	120	30	Peak
2488.22	37.43	-16.57	54	34.89	33.05	3.72	34.23	120	245	Average
2488.22	50.29	-23.71	74	47.75	33.05	3.72	34.23	120	245	Peak

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 45 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11b	Temperature :	21~22 ℃						
Test Channel :	11	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Vertical							
Remark :	2462 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
46.49	32.45	-7.55	40	53.43	8.88	0.27	30.13	100	39	Peak
533.43	27.26	-18.74	46	37.82	18.14	0.99	29.69	-	-	Peak
567.38	27.58	-18.42	46	37.69	18.53	1.02	29.66	-	-	Peak
873.9	28.56	-17.44	46	36.37	20.48	1.29	29.58	-	-	Peak
941.8	35.47	-10.53	46	42.97	20.7	1.33	29.53	-	-	Peak
957.32	32.69	-13.31	46	40.12	20.77	1.34	29.54	-	-	Peak
2330.14	36.69	-17.31	54	34.56	32.76	3.27	33.9	100	241	Average
2330.14	49.84	-24.16	74	47.71	32.76	3.27	33.9	100	241	Peak
2462	85.51	-	-	83.06	32.98	3.64	34.17	186	52	Average
2462	88.16	-	-	85.71	32.98	3.64	34.17	186	52	Peak
2489.55	38.19	-15.81	54	35.65	33.05	3.72	34.23	151	225	Average
2489.55	49.44	-24.56	74	46.9	33.05	3.72	34.23	151	225	Peak

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 46 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22℃						
Test Channel :	01	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Horizontal							
Remark :	2412 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
205.57	28.59	-14.91	43.5	48.74	9.25	0.6	30	-	-	Peak
694.45	24.73	-21.27	46	34.05	19.27	1.13	29.72	-	-	Peak
769.14	26.44	-19.56	46	34.92	19.88	1.2	29.56	-	-	Peak
873.9	29.25	-16.75	46	37.06	20.48	1.29	29.58	-	-	Peak
941.8	35.36	-10.64	46	42.86	20.7	1.33	29.53	100	312	Peak
957.32	34.04	-11.96	46	41.47	20.77	1.34	29.54	-	-	Peak
2389.99	49.05	-24.95	74	46.77	32.86	3.47	34.05	120	26	Peak
2389.99	38.17	-15.83	54	35.89	32.86	3.47	34.05	120	26	Average
2412	79.52	-	-	77.19	32.89	3.52	34.08	100	254	Average
2412	91.63	-	-	89.3	32.89	3.52	34.08	100	254	Peak
2484.99	37.04	-16.96	54	34.55	33.01	3.68	34.2	120	55	Average
2484.99	45.8	-28.2	74	43.31	33.01	3.68	34.2	120	55	Peak

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 47 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22℃						
Test Channel :	01	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Vertical							
Remark :	2412 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
46.49	31.95	-8.05	40	52.93	8.88	0.27	30.13	100	206	Peak
531.49	27.34	-18.66	46	37.97	18.08	0.99	29.7	-	-	Peak
566.41	27.61	-18.39	46	37.72	18.53	1.02	29.66	-	-	Peak
873.9	27.89	-18.11	46	35.7	20.48	1.29	29.58	-	-	Peak
941.8	35.46	-10.54	46	42.96	20.7	1.33	29.53	-	-	Peak
957.32	34.87	-11.13	46	42.3	20.77	1.34	29.54	-	-	Peak
2390	49.05	-24.95	74	46.77	32.86	3.47	34.05	100	42	Peak
2390	36.94	-17.06	54	34.66	32.86	3.47	34.05	100	42	Average
2412	78.21	-	-	75.88	32.89	3.52	34.08	100	6	Average
2412	91.63	-	-	89.3	32.89	3.52	34.08	100	6	Peak
2484.99	45.8	-28.2	74	43.31	33.01	3.68	34.2	150	263	Peak
2484.99	36.92	-17.08	54	34.43	33.01	3.68	34.2	150	263	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 48 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22℃						
Test Channel :	06	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Horizontal							
Remark :	2437 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	$(dB\mu V/m)$	(dB)	$(dB\mu V/m)$	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
30	22.51	-17.49	40	34.33	18	0.26	30.08	-	-	Peak
210.42	21.95	-21.55	43.5	41.86	9.49	0.6	30	-	-	Peak
768.17	26.18	-19.82	46	34.66	19.88	1.2	29.56	-	-	Peak
811.82	25.73	-20.27	46	34.1	19.97	1.26	29.6	-	-	Peak
873.9	29.15	-16.85	46	36.96	20.48	1.29	29.58	-	-	Peak
957.32	35.05	-10.95	46	42.48	20.77	1.34	29.54	100	201	Peak
2353.13	49.42	-24.58	74	47.21	32.81	3.38	33.98	100	211	Peak
2353.13	36.72	-17.28	54	34.51	32.81	3.38	33.98	100	211	Average
2437	87.47	-	-	85.07	32.95	3.6	34.15	100	118	Peak
2437	75.61	-	-	73.21	32.95	3.6	34.15	100	118	Average
2489.36	49.19	-24.81	74	46.65	33.05	3.72	34.23	100	206	Peak
2489.36	37.17	-16.83	54	34.63	33.05	3.72	34.23	100	206	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 49 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22 ℃						
Test Channel :	06	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Vertical							
Remark :	2437 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
46.49	32.47	-7.53	40	53.45	8.88	0.27	30.13	100	152	Peak
205.57	24.72	-18.78	43.5	44.87	9.25	0.6	30	-	-	Peak
531.49	27.71	-18.29	46	38.34	18.08	0.99	29.7	-	-	Peak
571.26	27.39	-18.61	46	37.48	18.54	1.03	29.66	-	-	Peak
873.9	28.62	-17.38	46	36.43	20.48	1.29	29.58	-	-	Peak
941.8	35.14	-10.86	46	42.64	20.7	1.33	29.53	-	-	Peak
2336.41	48.97	-25.03	74	46.8	32.78	3.33	33.94	100	206	Peak
2336.41	36.56	-17.44	54	34.39	32.78	3.33	33.94	100	206	Average
2437	79.72	-	-	77.32	32.95	3.6	34.15	100	118	Peak
2437	68.92	-	-	66.52	32.95	3.6	34.15	100	118	Average
2495.44	48.68	-25.32	74	46.14	33.05	3.72	34.23	100	200	Peak
2495.44	37.35	-16.65	54	34.81	33.05	3.72	34.23	100	200	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 50 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22℃						
Test Channel :	11	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Horizontal							
Remark :	2462 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
205.57	24.85	-18.65	43.5	45	9.25	0.6	30	-	-	Peak
613.94	24.33	-21.67	46	34.22	18.67	1.07	29.63	-	-	Peak
769.14	26.29	-19.71	46	34.77	19.88	1.2	29.56	-	-	Peak
873.9	27.83	-18.17	46	35.64	20.48	1.29	29.58	-	-	Peak
941.8	34.53	-11.47	46	42.03	20.7	1.33	29.53	-	-	Peak
957.32	34.98	-11.02	46	42.41	20.77	1.34	29.54	100	318	Peak
2376.31	48.73	-25.27	74	46.49	32.83	3.42	34.01	100	322	Peak
2376.31	37.12	-16.88	54	34.88	32.83	3.42	34.01	100	322	Average
2462	85.2	-	-	82.75	32.98	3.64	34.17	130	292	Peak
2462	75.39	-	-	72.94	32.98	3.64	34.17	130	292	Average
2495.44	49.1	-24.9	74	46.56	33.05	3.72	34.23	122	122	Peak
2495.44	36.75	-17.25	54	34.21	33.05	3.72	34.23	122	122	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 51 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :	802.11g	Temperature :	21~22℃						
Test Channel :	11	Relative Humidity :	47~48%						
Test Engineer :	Chenmy Cheng	henmy Cheng Polarization : Vertical							
Remark :	2462 MHz is fundamental signal which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
46.49	32.39	-7.61	40	53.37	8.88	0.27	30.13	100	181	Peak
531.49	26.87	-19.13	46	37.5	18.08	0.99	29.7	-	-	Peak
568.35	26.87	-19.13	46	36.98	18.53	1.02	29.66	-	-	Peak
873.9	30.18	-15.82	46	37.99	20.48	1.29	29.58	-	-	Peak
941.8	34.55	-11.45	46	42.05	20.7	1.33	29.53	-	-	Peak
957.32	33.91	-12.09	46	41.34	20.77	1.34	29.54	-	-	Peak
2335.84	48.75	-25.25	74	46.58	32.78	3.33	33.94	100	144	Peak
2335.84	37.31	-16.69	54	35.14	32.78	3.33	33.94	100	144	Average
2462	85.98	-	-	83.53	32.98	3.64	34.17	100	302	Peak
2462	73.78	-	-	71.33	32.98	3.64	34.17	100	302	Average
2497.91	48.56	-25.44	74	46.02	33.05	3.72	34.23	122	162	Peak
2497.91	38.42	-15.58	54	35.88	33.05	3.72	34.23	122	162	Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 52 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01

3.6 AC Conducted Emission Measurement

3.6.1 Limit 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.

3.6.2 Measuring Instruments

See list of measuring instruments of this test report.

3.6.3 Test Procedures

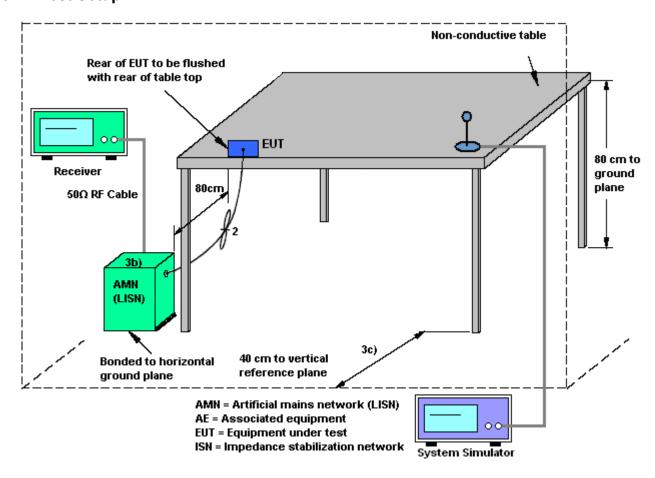
- 1. The testing follows the guidelines in ANSI C63.4-2003 and ANSI C63.10-2009.
- 2. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 4. All the support units are connecting to the other LISN.
- 5. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 6. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 7. Both sides of AC line were checked for maximum conducted interference.
- 8. The frequency range from 150 KHz to 30 MHz was searched.
- 9. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT



Report No.: FR260505B

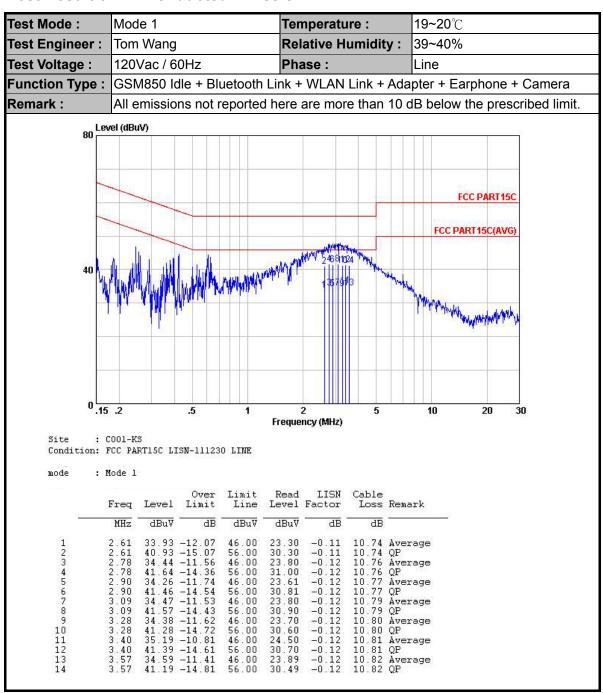
3.6.4 Test Setup



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 54 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3.6.5 Test Result of AC Conducted Emission



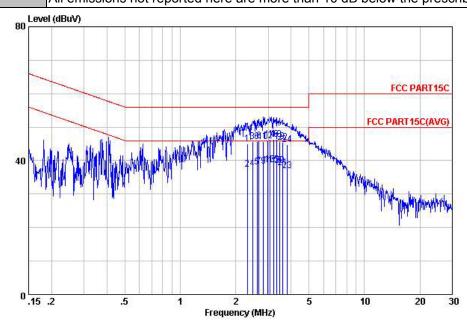
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 55 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Test Mode :Mode 1Temperature :19~20℃Test Engineer :Tom WangRelative Humidity :39~40%Test Voltage :120Vac / 60HzPhase :Neutral

Function Type: GSM850 Idle + Bluetooth Link + WLAN Link + Adapter + Earphone + Camera

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



Site : COO1-KS

Condition: FCC PART15C LISN-111230 NEUTRAL

mode : Mode 1

Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
MHz	dBu₹	dB	dBu₹	dBu₹	dB	dB	
1 2.31 2 2.31 3 2.47 4 2.47 5 2.61 6 2.61 7 2.68 8 2.68 9 2.82 10 2.82 11 2.98 12 2.98 13 3.07 14 3.07 15 3.21 16 3.21 17 3.33 18 3.33 19 3.45 20 3.45 21 3.58 22 3.58 23 3.80 24 3.80	37 . 41 45 . 62 37 . 72 38 . 13 45 . 63 38 . 35 45 . 65 38 . 57 46 . 27 38 . 67 46 . 28 46 . 28 46 . 28 47 . 28 48 . 48 48 . 59 37 . 89 45 . 93 37 . 00	-11.09 -8.59 -10.38 -8.28 -7.87 -10.37 -7.77 -10.07 -7.65 -10.35 -7.43 -10.13 -7.33 -9.73 -7.22 -9.72 -9.72 -10.41 -8.11 -10.51 -9.00 -11.30	56.00 46.00 46.00 46.00 46.00 56.00 46.00 56.00 46.00 56.00 46.00 56.00 46.00 56.00 46.00 56.00 46.00 56.00 56.00 56.00	34 .30 26 .80 35 .00 27 .50 35 .00 27 .59 35 .29 27 .70 35 .60 28 .10 35 .60 28 .10 35 .60 27 .79 35 .59 34 .90 27 .19 34 .01	-0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.11 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.12 -0.13 -0.13	10 . 73 10 . 73 10 . 74 10 . 74 10 . 75 10 . 75 10 . 77 10 . 78 10 . 79 10 . 80 10 . 80 10 . 81 10 . 81 10 . 81 10 . 81 10 . 82	Average OP Average Average Average OP Average Average

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 56 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional

radiator shall be considered sufficient to comply with the FCC rule.

3.7.2 Antenna Connected Construction

Non-standard connector used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 57 of 59
Report Issued Date : Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Jun. 14, 2012~ Jun. 18, 2012	Dec. 29, 2012	Conducted (TH01-KS)
Power Meter	Agilent	E4416A	MY451015 55	N/A	Aug. 23, 2011	Jun. 14, 2012~ Jun. 18, 2012	Aug. 22, 2012	Conducted (TH01-KS)
Power Sensor	Agilent	E9327A	MY444211 98	N/A	Aug. 23, 2011	Jun. 14, 2012~ Jun. 18, 2012	Aug. 22, 2012	Conducted (TH01-KS)
DC Power Supply	GWINSTEK	GPS-3030D	E1884515	N/A	Aug. 23, 2011	Jun. 14, 2012~ Jun. 18, 2012	Aug. 22, 2012	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-9605 02	N/A	Dec. 30, 2011	Jun. 14, 2012~ Jun. 18, 2012	Dec. 29, 2012	Conducted (TH01-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz	Jun. 01, 2012	Jun. 20, 2012	May 31, 2013	Conduction (CO01-KS)
LISN	MessTec	AN3016	60103	9kHz~30MHz	Dec. 30, 2011	Jun. 20, 2012	Dec. 29, 2012	Conduction (CO01-KS)
LISN	MessTec	AN3016	60105	9kHz~30MHz	Dec. 30, 2011	Jun. 20, 2012	Dec. 29, 2012	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000 0811	N/A	Nov. 16, 2011	Jun. 20, 2012	Nov. 15, 2012	Conduction (CO01-KS)
System Simulator	R&S	CMU200	837587/06 6	2G Full-Band	Dec. 30, 2011	Jun. 20, 2012	Dec. 29, 2012	Conduction (CO01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 09, 2011	Jun. 21, 2012	Nov. 08, 2012	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 30, 2011	Jun. 21, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Dec. 08, 2011	Jun. 21, 2012	Dec. 07, 2012	Radiation (03CH01-KS)
Loop Antenna	R&S	HFH2-Z2	860004/00	9 kHz~30 MHz	Jul. 28, 2011	Jun. 21, 2012	Jul. 27, 2012	Radiation (03CH01-KS)
Double Ridge Horn Antenna	EMCO	3117	00075959	1GHz~18GHz	Jan. 06, 2012	Jun. 21, 2012	Jan. 05, 2013	Radiation (03CH01-KS)
Amplifier	Wireless	FPA-6592G	060004	30MHz~2GHz	Dec. 30, 2011	Jun. 21, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A023 70	1GHz~26.5GHz	Dec. 30, 2011	Jun. 21, 2012	Dec. 29, 2012	Radiation (03CH01-KS)
Active Horn Antenna	com-power	AHA-118	701023	1GHz~18GHz	Nov. 07, 2011	Jun. 21, 2012	Nov. 06, 2012	Radiation (03CH01-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA1702 49	15GHz~40GHz	Oct. 11, 2011	Jun. 21, 2012	Oct.10, 2012	Radiation (03CH01-KS)

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 58 of 59
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01



Uncertainty of Evaluation 5

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

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))	2.54

<u>Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)</u>

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

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : 59 of 59 Report Issued Date: Jun. 26, 2012

Report No.: FR260505B

Report Version : Rev. 01

Appendix A. Photographs of EUT

Please refer to Sporton report number EP260505 as below.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: YHLBLUDECOXT Page Number : A1 of A1
Report Issued Date : Jun. 26, 2012
Report Version : Rev. 01