# **FCC RF Test Report**

APPLICANT : Shanghai Longcheer Technology Co., Ltd.

EQUIPMENT : Mobile Phone BRAND NAME : Longcheer

MODEL NAME : LCT\_L6352\_A01 FCC ID : WH7-LCT-L6352

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Apr. 23, 2015 and testing was completed on Jun. 17, 2015. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in 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: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

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

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 1 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

Testing Laboratory 2627

## **TABLE OF CONTENTS**

SU	MMAF	RY OF TEST RESULT	4
1	GEN	ERAL DESCRIPTION	5
	1.1	Applicant	5
	1.2	Manufacturer	5
	1.3	Product Feature of Equipment Under Test	5
	1.4	Product Specification subjective to this standard	5
	1.5	Modification of EUT	6
	1.6	Testing Location	6
	1.7	Applicable Standards	6
2	TEST	T CONFIGURATION OF EQUIPMENT UNDER TEST	7
	2.1	Descriptions of Test Mode	7
	2.2	Test Mode	8
	2.3	Connection Diagram of Test System	9
	2.4	Support Unit used in test configuration and system	10
	2.5	EUT Operation Test Setup	10
	2.6	Measurement Results Explanation Example	10
3	TEST	Γ RESULT	11
	3.1	6dB Bandwidth Measurement	11
	3.2	Peak Output Power Measurement	14
	3.3	Power Spectral Density Measurement	16
	3.4	Conducted Band Edges and Spurious Emission Measurement	22
	3.5	Radiated Band Edges and Spurious Emission Measurement	31
	3.6	AC Conducted Emission Measurement	
	3.7	Antenna Requirements	39
4	LIST	OF MEASURING EQUIPMENT	40
5	UNC	ERTAINTY OF EVALUATION	41
ΑP	PEND	IX A. RADIATED TEST RESULTS	

SPORTON INTERNATIONAL (KUNSHAN) INC.

**APPENDIX B. SETUP PHOTOGRAPHS** 

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 2 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## **REVISION HISTORY**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR542307B	Rev. 01	Initial issue of report	Jul. 09, 2015

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 3 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## **SUMMARY OF TEST RESULT**

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.2	15.247(b)(1)	Peak Output Power	≤ 30dBm	Pass	-
3.3	15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
3.4	15.247(d)	Conducted Band Edges and Spurious Emission	≤ 20dBc	Pass	-
3.5	15.247(d)	Radiated Band Edges and Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 6.10 dB at 81.410 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 13.27 dB at 0.530 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 4 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 1 General Description

## 1.1 Applicant

Shanghai Longcheer Technology Co., Ltd.

Building 1, No. 401, Caobao Rd., Xuhui District, Shanghai, P. R. China

#### 1.2 Manufacturer

Shanghai Longcheer Technology Co., Ltd.

Building 1, No. 401, Caobao Rd., Xuhui District, Shanghai, P. R. China

## 1.3 Product Feature of Equipment Under Test

Product Feature				
Equipment	Mobile Phone			
Brand Name	Longcheer			
Model Name	LCT_L6352_A01			
FCC ID	WH7-LCT-L6352			
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/HSPA+(Downlink Only)/DC-HSDPA/LTE WLAN2.4GHz 802.11b/g/n HT20/HT40 Bluetooth v3.0+EDR Bluetooth v4.0 LE			
IMEI Code	Conducted: 865843022288788 Radiation: 865843022283698 Conduction: 865843022283425			
HW Version	LLDM052			
SW Version	LLD0003			
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.

## 1.4 Product Specification subjective to this standard

Product Specification subjective to this standard			
Tx/Rx Frequency Range	2402 MHz ~ 2480 MHz		
Number of Channels	40		
Carrier Frequency of Each Channel	40 Channel(37 hopping + 3 advertising channel)		
Maximum Output Power to Antenna	-0.42 dBm (0.0009 W)		
Antenna Type	PIFA Antenna with gain -1.00 dBi		
Type of Modulation	Bluetooth LE : GFSK		

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 5 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#### 1.5 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.6 Testing Location

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.				
	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China				
Test Site Location	TEL: +86-0512-5790-0158				
	FAX: +86-0512-5790-0958				
Toot Site No	Sporton Site No. FCC Re			FCC Registration No.	
Test Site No.	TH01-KS	03CH02-KS	CO01-KS	418269	

Note: The test site complies with ANSI C63.4 2009 requirement.

## 1.7 Applicable 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 v03r03
- ANSI C63.10-2013

#### Remark:

- All test items were verified and recorded according to the standards and without any deviation 1. during the test.
- 2. FCC permits the use of the 1.5 meter table as an alternative in C63.10-2013 through inquiry tracking number 961829.
- 3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 6 of 41 Report Issued Date: Jul. 09, 2015 Report Version

: Rev. 01

## 2 Test Configuration of Equipment Under Test

## 2.1 Descriptions of Test Mode

The RF output power was recorded in the following table:

	<b></b>	Bluetooth 4.0 LE RF Output Power
Channal		Data Rate / Modulation
Channel	Frequency	GFSK
		1Mbps
Ch00	2402MHz	-2.23 dBm
Ch19	2440MHz	<mark>-0.42</mark> dBm
Ch39	2480MHz	-2.14 dBm

- a. The EUT has been associated with peripherals 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 (9 kHz 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 to determine the final configuration (Z plane as worst plane) from all possible combinations.
- b. AC power line Conducted Emission was tested under maximum output power.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 7 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 2.2 Test Mode

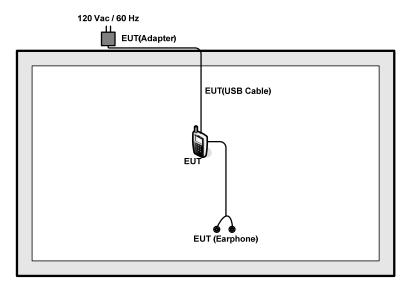
The following summary table is showing all test modes to demonstrate in compliance with the standard.

	Summary table of Test Cases				
Test Item	Data Rate / Modulation				
rest item	Bluetooth 4.0 LE / GFSK				
Conducted	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps				
TCs	Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps				
ics	Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps				
Radiated	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps				
	Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps				
TCs	Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps				
AC	Made 1: CSM950 Idle   Divistosth Link   WI AN Link   LISD Cable (Charging from				
Conducted	Mode 1: GSM850 Idle + Bluetooth Link + WLAN Link + USB Cable (Charging from				
Emission	Adapter) + Earphone				
Remark: For	Remark: For Radiated TCs, The tests were performance with Adapter, Earphone, and USB Cable.				

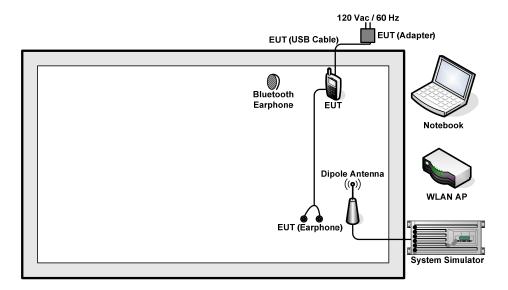
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 8 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 2.3 Connection Diagram of Test System

#### <Bluetooth 4.0 LE Tx Mode>



#### <AC Conducted Emission Mode>



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 9 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	LINKSYS	WRT600N	Q87-WRT600NV11	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
4.	Notebook	Lenovo	G480	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

## 2.5 EUT Operation Test Setup

For Bluetooth function, the engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

## 2.6 Measurement Results Explanation Example

#### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

#### Example:

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.0 dB.

 $Offset(dB) = RF \ cable \ loss(dB).$ = 6.0 (dB)

#### 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

The section 4.0 of List of Measuring Equipment of this test report is used for test.

#### 3.1.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
- 5. Measure and record the results in the test report.

#### 3.1.4 Test Setup



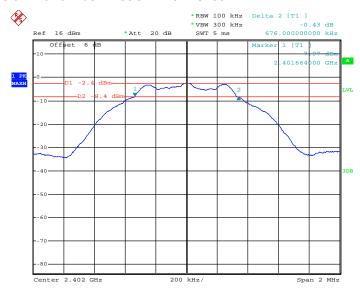
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 11 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.1.5 Test Result of 6dB Bandwidth

Test Mode :	Bluetooth 4.0 LE	Temperature :	24~25℃
Test Engineer :	Issac Song	Relative Humidity :	49~51%

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Pass/Fail
00	2402	0.676	0.5	Pass
19	2440	0.670	0.5	Pass
39	2480	0.674	0.5	Pass

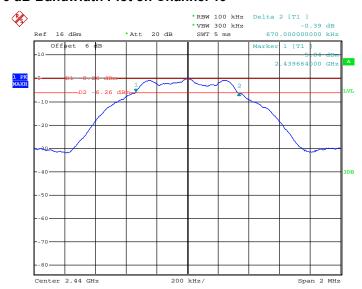
#### 6 dB Bandwidth Plot on Channel 00



Date: 10.JUN.2015 07:18:05

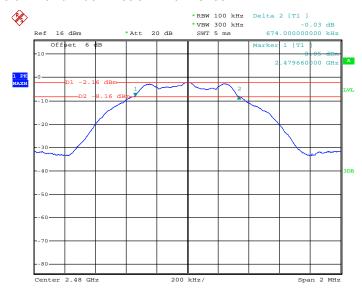
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 12 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#### 6 dB Bandwidth Plot on Channel 19



Date: 10.JUN.2015 07:22:47

#### 6 dB Bandwidth Plot on Channel 39



Date: 10.JUN.2015 07:25:55

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 13 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.2 Peak Output Power Measurement

## 3.2.1 Limit of Peak Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi is 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

The section 4.0 of List of Measuring Equipment of this test report is used for test.

#### 3.2.3 Test Procedures

- The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas.
   Guidance v03r03 section 9.1.2 PKPM1 Peak power meter method.
- 2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Measure the conducted output power and record the results in the test report.

#### 3.2.4 Test Setup



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 14 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.2.5 Test Result of Peak Output Power

Test Mode :	Bluetooth 4.0 LE	Temperature :	<b>24~25</b> ℃
Test Engineer :	Issac Song	Relative Humidity :	49~51%

Channel		RF Power (dBm)				
	Frequency	GFSK	Max. Limits	Daga/Fail		
	(MHz)	1 Mbps	(dBm)	Pass/Fail		
00	2402	-2.23	30.00	Pass		
19	2440	-0.42	30.00	Pass		
39	2480	-2.14	30.00	Pass		

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 15 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.3 Power Spectral Density Measurement

## 3.3.1 Limit of Power Spectral Density

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

The section 4.0 of List of Measuring Equipment of this test report is used for test.

#### 3.3.3 Test Procedures

- The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
- 5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
- 6. Measure and record the results in the test report.
- 7. The Measured power density (dBm)/ 100kHz is a reference level and used as 20dBc down limit line for Conducted Band Edges and Conducted Spurious Emission.

#### 3.3.4 Test Setup



SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 16 of 41
Report Issued Date : Jul. 09, 2015

Report No.: FR542307B

Report Version : Rev. 01

## 3.3.5 Test Result of Power Spectral Density

Test Mode :	Bluetooth 4.0 LE	Temperature :	<b>24~25</b> ℃
Test Engineer :	Issac Song	Relative Humidity :	49~51%

Channal	Frequency Power D		Density	Max. Limits	Dana/Fail
Channel	(MHz)	PSD/100kHz (dBm)	PSD/3kHz (dBm)	(dBm/3kHz)	Pass/Fail
00	2402	-2.35	-17.51	8	Pass
19	2440	-0.24	-15.36	8	Pass
39	2480	-2.15	-17.24	8	Pass

#### Note:

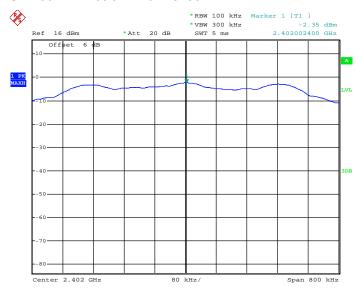
- 1. Measured power density (dBm) has offset with cable loss.
- 2. The Measured power density (dBm)/ 100kHz is reference level and used as 20dBc down for Conducted Band Edges and Conducted Spurious Emission limit line.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 17 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.3.6 Test Result of Power Spectral Density Plots (100kHz)

#### PSD 100kHz Plot on Channel 00

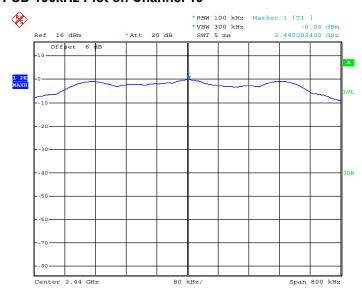


Date: 10.JUN.2015 07:19:56

SPORTON INTERNATIONAL (KUNSHAN) INC.

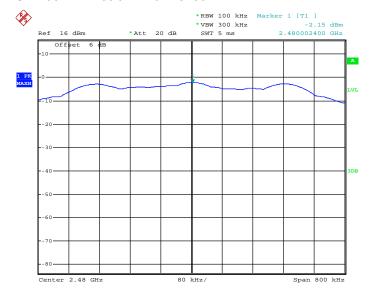
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 18 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#### **PSD 100kHz Plot on Channel 19**



Date: 10.JUN.2015 07:23:59

#### PSD 100kHz Plot on Channel 39

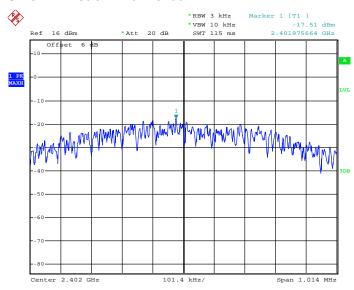


Date: 10.JUN.2015 07:27:07

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 19 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.3.7 Test Result of Power Spectral Density Plots (3kHz)

#### **PSD 3kHz Plot on Channel 00**

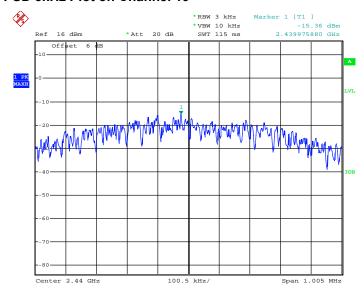


Date: 10.JUN.2015 07:19:05

SPORTON INTERNATIONAL (KUNSHAN) INC.

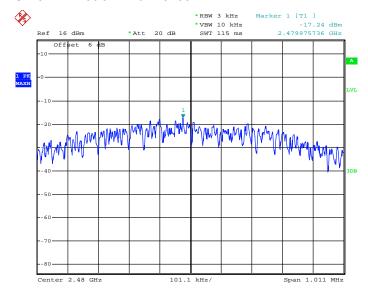
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 20 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#### **PSD 3kHz Plot on Channel 19**



Date: 10.JUN.2015 07:23:28

#### **PSD 3kHz Plot on Channel 39**



Date: 10.JUN.2015 07:26:30

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 21 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.4 Conducted Band Edges and Spurious Emission Measurement

#### 3.4.1 Limit of Conducted Band Edges and Spurious Emission

All harmonics/spurious must be at least 20 dB down from the highest emission level within the authorized band.

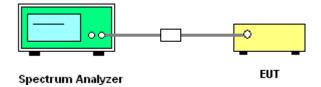
#### 3.4.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

#### 3.4.3 Test Procedure

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03.
- 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
- 3. Set to the maximum power setting and enable the EUT transmit continuously.
- 4. 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
- 5. Measure and record the results in the test report.
- 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

#### 3.4.4 Test Setup



SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 22 of 41
Report Issued Date : Jul. 09, 2015

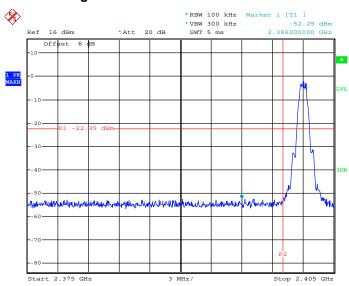
Report No.: FR542307B

Report Version : Rev. 01

## 3.4.5 Test Result of Conducted Band Edges

Test Mode :	Bluetooth 4.0 LE	Temperature :	<b>24~25</b> ℃
Test Channel :	00 and 39	Relative Humidity :	49~51%
		Test Engineer :	Issac Song

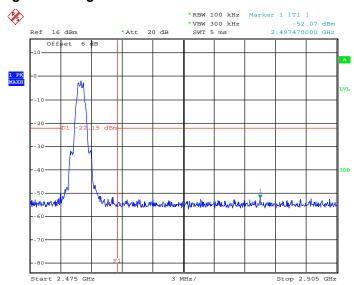
## Low Band Edge Plot on Channel 00



Date: 10.JUN.2015 07:20:13

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 23 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## **High Band Edge Plot on Channel 39**



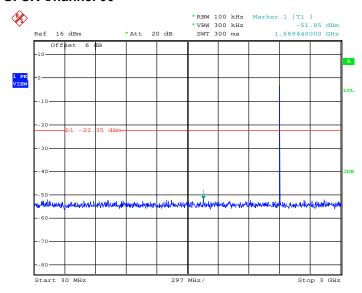
Date: 10.JUN.2015 07:27:24

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 24 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.4.6 Test Result of Conducted Spurious Emission

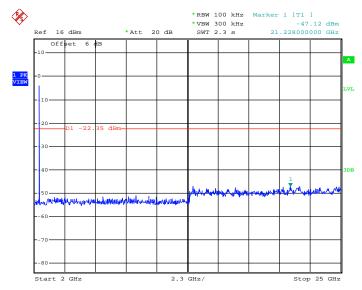
Test Mode :	Bluetooth 4.0 LE	Temperature :	<b>24~25</b> ℃
Test Channel :	00	Relative Humidity :	49~51%
		Test Engineer :	Issac Song

# Conducted Spurious Emission Plot on Bluetooth LE 1Mbps GFSK Channel 00



Date: 10.JUN.2015 07:21:21

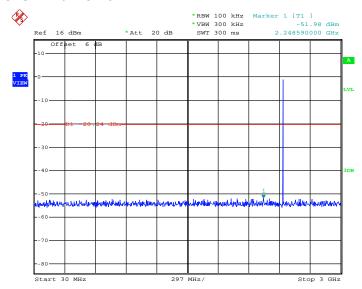
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 25 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01



Date: 10.JUN.2015 07:21:39

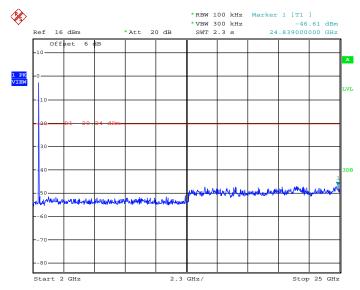
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 26 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

Test Mode :	Bluetooth 4.0 LE	Temperature :	24~25℃
Test Channel :	19	Relative Humidity :	49~51%
		Test Engineer :	Issac Song



Date: 10.JUN.2015 07:24:21

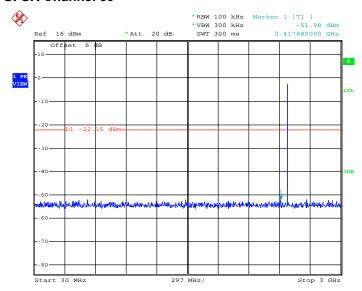
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 27 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01



Date: 10.JUN.2015 07:24:39

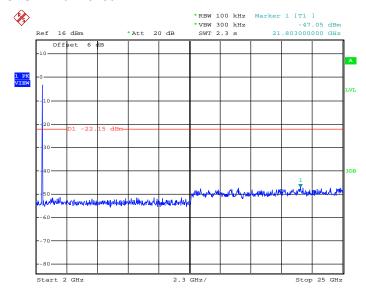
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 28 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

Test Mode :	Bluetooth 4.0 LE	Temperature :	24~25℃
Test Channel :	39	Relative Humidity :	49~51%
		Test Engineer :	Issac Song



Date: 10.JUN.2015 07:27:48

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 29 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01



Date: 10.JUN.2015 07:28:06

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 30 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.5 Radiated Band Edges and Spurious Emission Measurement

#### **Limit of Radiated Band Edges and Spurious 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

The section 4.0 of List of Measuring Equipment of this test report is used for test.

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 31 of 41 Report Issued Date: Jul. 09, 2015

Report No.: FR542307B

: Rev. 01 Report Version

#### 3.5.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r03.
- 2. 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.
- 3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level
- 6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- 7. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz, VBW= 3MHz for  $f \ge 1$  GHz for peak measurement. For average measurement:
    - VBW = 10 Hz, when duty cycle is no less than 98 percent.
    - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Band	nd Duty Cycle(%)		1/T(kHz)	VBW Setting
Bluetooth 4.0 LE	62.42	0.39	2.56	3kHz

FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 32 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 3.5.4 Test Setup

#### For radiated emissions below 30MHz



#### For radiated emissions from 30MHz to 1GHz

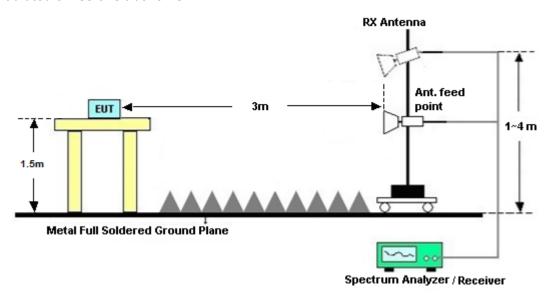


TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 33 of 41 Report Issued Date : Jul. 09, 2015

Report No.: FR542307B

Report Version : Rev. 01

#### For radiated emissions above 1GHz



## 3.5.5 Test Results of Radiated Spurious 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.

#### 3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix A.

## 3.5.7 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix A.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 34 of 41
Report Issued Date : Jul. 09, 2015
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 (MUz)	Conducted limit (dBµV)			
Frequency of emission (MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		

<sup>\*</sup>Decreases with the logarithm of the frequency.

## 3.6.2 Measuring Instruments

The section 4.0 of List of Measuring Equipment of this test report is used for test.

#### 3.6.3 Test Procedures

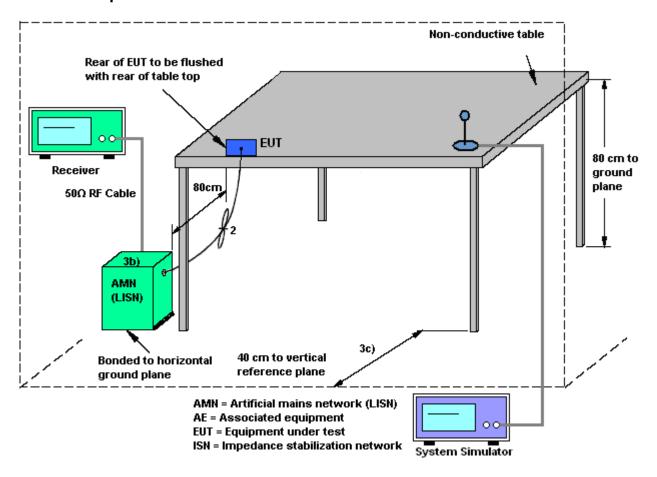
- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other 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 (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Report No.: FR542307B

Report Version : Rev. 01

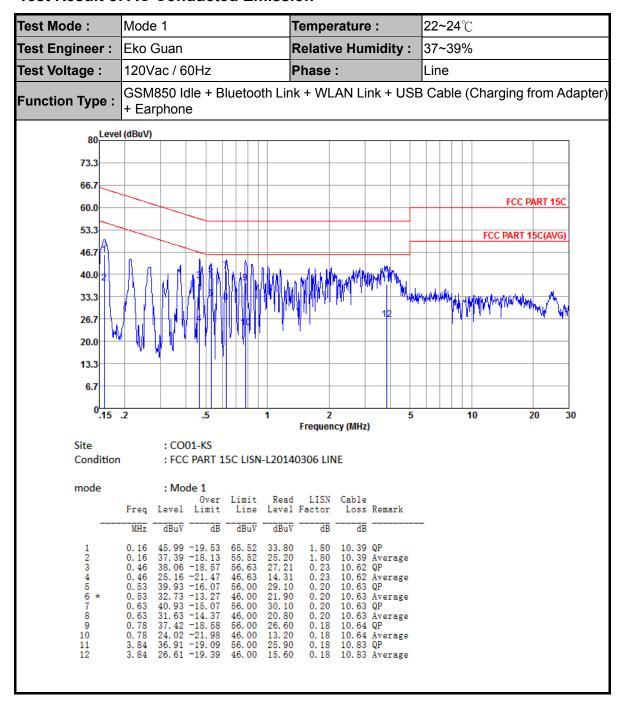
#### Report No.: FR542307B

## 3.6.4 Test Setup



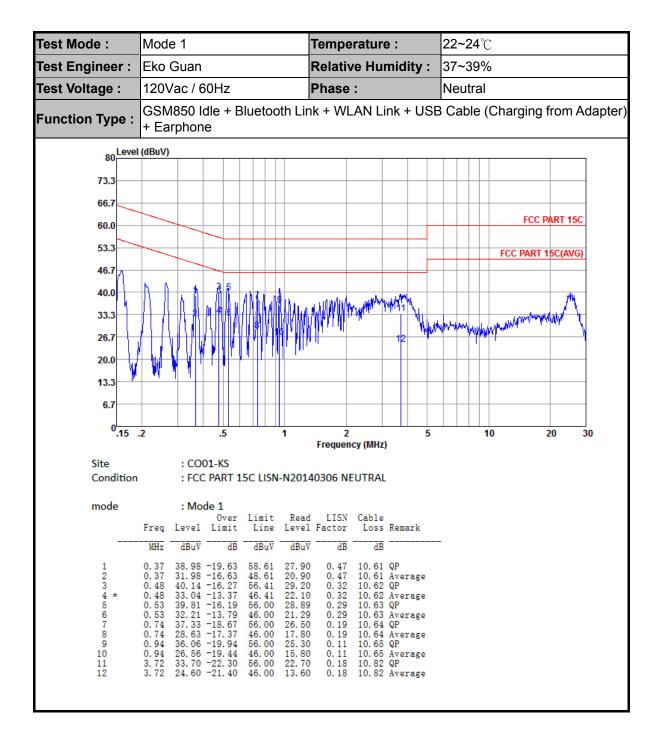
TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 36 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#### 3.6.5 Test Result of AC Conducted Emission



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 37 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#	
SPORTON LAB.	FCC RF Test Report



TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 38 of 41
Report Issued Date : Jul. 09, 2015
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. 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 Anti-Replacement Construction

An embedded-in antenna design is 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.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 39 of 41 Report Issued Date: Jul. 09, 2015

Report No.: FR542307B

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	Oct. 28, 2014	Jun. 10, 2015	Oct. 27, 2015	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	30MHz~40GHz	Jan. 23, 2015	Jun. 10, 2015	Jan. 22, 2016	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 23, 2015	Jun. 10, 2015	Jan. 22, 2016	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Sep. 29, 2014	Jun. 17, 2015	Sep. 28, 2015	Radiation (03CH02-KS)
Spectrum Analyzer	R&S	FSV40	101040	10kHz~40GHz; Max 30dBm	Sep. 25, 2014	Jun. 17, 2015	Sep. 24, 2015	Radiation (03CH02-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 13, 2014	Jun. 17, 2015	Nov. 12, 2015	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30MHz-2GHz	Sep. 13, 2014	Jun. 17, 2015	Sep. 12, 2015	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 08, 2014	Jun. 17, 2015	Nov. 07, 2015	Radiation (03CH02-KS)
Active Horn Antenna	com-power	AHA-118	701030	1GHz~18GHz	Nov. 08, 2014	Jun. 17, 2015	Nov. 07, 2015	Radiation (03CH02-KS)
SHF-EHF Horn	com-power	AH-840	101070	18Ghz-40GHz	Sep. 04, 2014	Jun. 17, 2015	Sep. 03, 2015	Radiation (03CH02-KS)
Amplifier	com-power	PA-103A	161069	1kHz~1000MHz / 32 dB	May 04, 2015	Jun. 17, 2015	May 03, 2016	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A023 84	1GHz~26.5GHz Gain 30dB	Oct. 28, 2014	Jun. 17, 2015	Oct. 27, 2015	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002 473	N/A	NCR	Jun. 17, 2015	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Jun. 17, 2015	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Jun. 17, 2015	NCR	Radiation (03CH02-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 04, 2015	Jun. 09, 2015	May 03, 2016	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 25, 2014	Jun. 09, 2015	Oct. 24, 2015	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 25, 2014	Jun. 09, 2015	Oct. 24, 2015	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000 0811	AC 0V~300V, 45Hz~1000Hz	Oct. 25, 2014	Jun. 09, 2015	Oct. 24, 2015	Conduction (CO01-KS)

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 40 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence	2.3 dB
of 95% (U = 2Uc(y))	2.5 UD

## <u>Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)</u>

Measuring Uncertainty for a Level of Confidence	
of 95% (U = 2Uc(y))	5.1 dB

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : 41 of 41
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## Appendix A. Radiated Spurious Emission

#### 15C 2.4GHz 2400~2483.5MHz

## BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	( dBµV/m )	,	( dBµV/m )	(dB <sub>µ</sub> V)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
		2313.06	52.23	-21.77	74	47.43	31.21	6.06	32.47	100	146	Р	Н
		2332.14	38.85	-15.15	54	33.95	31.23	6.12	32.45	100	146	Α	Н
5.5	*	2402.254	90.22	1	-	85.06	31.3	6.22	32.36	100	146	Р	Н
BLE CH 00	*	2401.92	89.03	-	-	83.87	31.3	6.22	32.36	100	146	Α	Н
2402MHz		2364.09	52.29	-21.71	74	47.27	31.26	6.17	32.41	195	127	Р	V
2402WIHZ		2354.01	38.86	-15.14	54	33.89	31.26	6.12	32.41	195	127	Α	V
	*	2402.254	92.59	-	-	87.43	31.3	6.22	32.36	195	127	Р	V
	*	2402.004	90.86	-	-	85.7	31.3	6.22	32.36	195	127	Α	V
51.5	*	2439.997	97.98	ı	1	92.51	31.34	6.28	32.15	100	104	Р	Н
BLE CH 19	*	2439.997	96.61	-	-	91.14	31.34	6.28	32.15	100	104	Α	Н
2440MHz	*	2439.997	91.3	ı	1	85.83	31.34	6.28	32.15	100	127	Р	V
244011112	*	2439.997	89.15	-	-	83.68	31.34	6.28	32.15	100	127	Α	V
	*	2480.327	93.8	-	-	88.12	31.37	6.33	32.02	100	157	Р	Н
	*	2479.993	91.92	-	-	86.24	31.37	6.33	32.02	100	157	Α	Н
DI E		2491.12	52.29	-21.71	74	46.52	31.39	6.33	31.95	100	157	Р	Н
BLE CH 39		2490.36	38.91	-15.09	54	33.14	31.39	6.33	31.95	100	157	Α	Н
2480MHz	*	2480.327	94.86	-	-	89.18	31.37	6.33	32.02	113	162	Р	V
240011112	*	2480.076	93.73	-	-	88.05	31.37	6.33	32.02	113	162	Α	V
		2486.88	52.3	-21.7	74	46.62	31.37	6.33	32.02	113	162	Р	V
		2483.68	39.11	-14.89	54	33.43	31.37	6.33	32.02	113	162	Α	V
Remark		o other spurious		eak and	Average lim	it line.							

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : A1 of A5 Report Issued Date: Jul. 09, 2015

Report No.: FR542307B

: Rev. 01 Report Version

#### 15C 2.4GHz 2400~2483.5MHz

## BLE (Harmonic @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dBµV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
BLE		4803	46.99	-27.01	74	38.17	34.88	8.71	34.77	138	260	Р	Н
CH 00													
2402MHz		4803	44.82	-29.18	74	36	34.88	8.71	34.77	195	36	Р	V
51.5		4881	47.34	-26.66	74	38.29	34.92	8.76	34.63	120	65	Р	Н
BLE CH 19		7320	46.26	-27.74	74	35.97	35.57	10.84	36.12	136	154	Р	Н
2440MHz		4881	46.7	-27.3	74	37.65	34.92	8.76	34.63	100	0	Р	V
244011112		7320	46.58	-27.42	74	36.29	35.57	10.84	36.12	168	263	Р	V
DI E		4959	47.33	-26.67	74	38	34.97	8.81	34.45	100	154	Р	Н
		7440	46.92	-27.08	74	36.49	35.59	10.92	36.08	195	236	Р	Н
		4959	47.15	-26.85	74	37.82	34.97	8.81	34.45	187	230	Р	V
2.0311112		7440	47.34	-26.66	74	36.91	35.59	10.92	36.08	164	236	Р	V
BLE CH 39 2480MHz		4959	47.15	-26.85	74	37.82	34.97	8.81	34.45	187	230	Р	_

Remark

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : A2 of A5
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

<sup>1.</sup> No other spurious found.

<sup>2.</sup> All results are PASS against Peak and Average limit line.

## 15C Emission below 1GHz

## 2.4GHz BLE (LF)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dBµV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
		32.91	21.9	-18.1	40	36.02	17.73	0.79	32.64	-	-	Р	Н
		79.47	28.5	-11.5	40	51.09	9.02	1.04	32.65	214	100	Р	Н
		120.21	19.44	-24.06	43.5	39.39	11.46	1.23	32.64	ı	ı	Р	Н
		149.31	25.1	-18.4	43.5	44.53	11.69	1.44	32.56	ı	1	Р	Н
0.4011		161.92	25.51	-17.99	43.5	45.37	11.25	1.44	32.55	1	1	Р	Н
2.4GHz BLE		206.54	27.57	-15.93	43.5	48.33	10.11	1.61	32.48	i	1	Р	Н
LF		30	33.1	-6.9	40	45.77	19.2	0.79	32.66	1	1	Р	٧
		67.83	30.89	-9.11	40	54.95	7.78	0.79	32.63	1	1	Р	٧
		81.41	33.9	-6.1	40	56.29	9.21	1.04	32.64	106	61	Р	٧
		164.83	26.37	-17.13	43.5	46.32	11.14	1.44	32.53	ı	-	Р	٧
		179.38	27.39	-16.11	43.5	47.84	10.58	1.44	32.47	1	1	Р	V
		206.54	34.99	-8.51	43.5	55.75	10.11	1.61	32.48	1	1	Р	٧
Remark		o other spurious		mit line.									

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : A3 of A5
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

## Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions
	shall not exceed the level of the fundamental frequency per 15.209(c).
!	Test result is <b>over limit</b> line.
P/A	Peak or Average
H/V	Horizontal or Vertical

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : A4 of A5
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01

#### A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	( dBµV/m )	(dB)	( dBµV/m )	(dB <sub>µ</sub> V)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	Р	Н
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	Α	Н

1. Level( $dB\mu V/m$ ) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dB $\mu$ V/m) – Limit Line(dB $\mu$ V/m)

#### For Peak Limit @ 2390MHz:

- 1. Level(dBµV/m)
- = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 54.51(dB\mu V) 35.86 (dB)$
- $= 55.45 (dB\mu V/m)$
- 2. Over Limit(dB)
- = Level( $dB\mu V/m$ ) Limit Line( $dB\mu V/m$ )
- $= 55.45(dB\mu V/m) 74(dB\mu V/m)$
- = -18.55(dB)

## For Average Limit @ 2390MHz:

- 1. Level(dBµV/m)
- = Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBµV) Preamp Factor(dB)
- $= 32.22(dB/m) + 4.58(dB) + 42.6(dB\mu V) 35.86 (dB)$
- $= 43.54 (dB\mu V/m)$
- Over Limit(dB)
- = Level( $dB\mu V/m$ ) Limit Line( $dB\mu V/m$ )
- $= 43.54(dB\mu V/m) 54(dB\mu V/m)$
- = -10.46(dB)

Both peak and average measured complies with the limit line, so test result is "PASS".

SPORTON INTERNATIONAL (KUNSHAN) INC.

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: WH7-LCT-L6352 Page Number : A5 of A5
Report Issued Date : Jul. 09, 2015
Report Version : Rev. 01