FCC RF Test Report

APPLICANT : BLU Products, Inc.

EQUIPMENT: Mobile phone

BRAND NAME : BLU

MODEL NAME : STUDIO ONE

FCC ID : YHLBLUSTUDIOONE

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Nov. 24, 2015 and testing was completed on Jan. 28, 2016. We, SPORTON INTERNATIONAL (SHENZHEN) 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 (SHENZHEN) INC., the test report shall not be reproduced except in full.

Prepared by: Andy Yeh / Manager

Andy Jeh

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

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SPORTON INTERNATIONAL (SHENZHEN) INC.

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Testing Laboratory 2353

Report No.: FR5N2403B

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR5N2403B	Rev. 01	Initial issue of report	Mar. 03, 2016

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	RSS-247 5.2(1)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.1	-	RSS-Gen 6.6	99% Bandwidth	-	Pass	-
3.2	15.247(b)(1)	RSS-247 A5.4(4)	Peak Output Power	≤ 30dBm	Pass	-
3.3	15.247(e)	RSS-247 5.2(2)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
3.4	15.247(d)	RSS-247 5.5	Conducted Band Edges and Spurious Emission	≤ 20dBc	Pass	-
3.5	15.247(d)	RSS-247 5.5	Radiated Band Edges and Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 7.31 dB at 49.400 MHz
3.6	15.207	RSS-GEN 8.8	AC Conducted Emission	15.207(a)	Pass	Under limit 14.75 dB at 0.550 MHz
3.7	15.203 & 15.247(b)	N/A	Antenna Requirement	N/A	Pass	-

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1 General Description

1.1 Applicant

BLU Products, Inc.

10814 NW 33rd St # 100 Doral, FL 33172

1.2 Manufacturer

BLU Products, Inc.

10814 NW 33rd St # 100 Doral, FL 33172

1.3 Product Feature of Equipment Under Test

Product Feature			
Equipment	Mobile phone		
Brand Name	BLU		
Model Name	STUDIO ONE		
FCC ID	YHLBLUSTUDIOONE		
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/HSPA+/LTE WLAN2.4GHz 802.11b/g/n HT20/HT40 Bluetooth v3.0+EDR/Bluetooth v4.0 LE		
IMEI Code	Conducted: 359281015336210/359281015336210 Conduction: 868455018709383/868455018708581 Radiation: 359281015336210/359281015336210		
HW Version	V1.1		
SW Version	BLU_S0110EE_V02_GENERIC		
EUT Stage	Pre-Production		

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	-1.80 dBm (0.00066 W)			
99% Occupied Bandwidth	1.013MHz			
Antenna Type/Gain	PIFA Antenna with gain -8.00 dBi			
Type of Modulation	Bluetooth v4.0 LE : GFSK			

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1.5 Modification of EUT

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

1.6 Testing Location

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.			
	1F & 2F,Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town,			
	Nanshan District, Shenzhen, Guangdong, P. R. China			
Test Site Location	TEL: +86-755-8637-9589			
	FAX: +86-755-8637-9595			
Test Site No.	Sporton Site No.			
rest Site NO.	TH01-SZ			

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				
Tool Cita No	Sporton Site No.		FCC/IC Registration No.		
Test Site No.	CO01-KS	03CH03-KS	306251/4086E		

Note: The test site complies with ANSI C63.4 2014 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 v03r04
- ANSI C63.10-2013
- IC RSS-247 Issue 1
- IC RSS-Gen Issue 4

Remark:

- 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.

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2 Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

The RF output power was recorded in the following table:

		Bluetooth v4.0 LE RF Output Power
Channel	nel Frequency	Data Rate / Modulation
Chamilei		GFSK
		1Mbps
Ch00	2402MHz	-2.78 dBm
Ch19	2440MHz	<mark>-1.80</mark> dBm
Ch39	2480MHz	-2.51 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 (Y plane as worst plane) from all possible combinations.
- b. AC power line Conducted Emission was tested under maximum output power.

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2.2 Test Mode

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

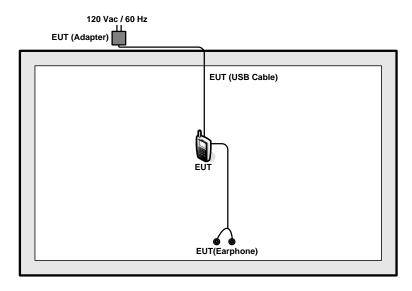
	Summary table of Test Cases					
Test Item	Data Rate / Modulation					
rest item	Bluetooth v4.0 LE / GFSK					
Conducted	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps					
	Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps					
TCs	Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps					
Dedicted	Mode 1: Bluetooth Tx CH00_2402 MHz_1Mbps					
Radiated	Mode 2: Bluetooth Tx CH19_2440 MHz_1Mbps					
TCs	Mode 3: Bluetooth Tx CH39_2480 MHz_1Mbps					
AC	Made 4: CSM950 Idle - Diveteeth Link - WI AN Link - Fernhane - LISP Coble					
Conducted	Mode 1: GSM850 Idle + Bluetooth Link + WLAN Link + Earphone + USB Cable					
Emission	(Charging from Adapter) + SIM 1					
Remark: For	radiated test cases, the tests were performed with adapter, earphone and USB cable.					

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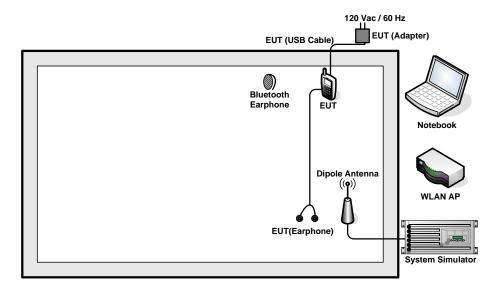
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2.3 Connection Diagram of Test System

<Bluetooth v4.0 LE Tx Mode>



<AC Conducted Emission Mode>



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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	D-link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	Notebook	Lenovo	E540	FCC DoC	N/A	shielded cable DC O/P 1.8 m unshielded AC I/P cable1.2 m
4.	Bluetooth Earphone	Nokia	BH-108	PYAHS-107W	N/A	N/A

2.5 EUT Operation Test Setup

For Bluetooth v4.0 LE 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 and attenuator factor 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 and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 5.0 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB). = 5.0 + 10 = 15.0(dB) Report No.: FR5N2403B

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% 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

- The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r04.
- 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. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 30kHz and set the Video bandwidth (VBW) = 100kHz.
- 6. Measure and record the results in the test report.

3.1.4 Test Setup



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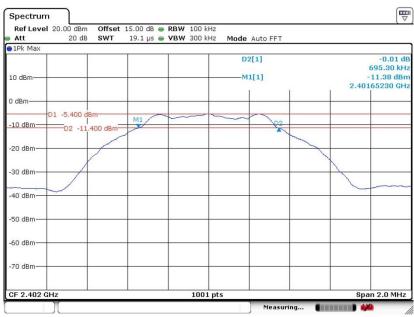
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3.1.5 Test Result of 6dB Bandwidth

Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26 ℃
Test Engineer :	Bruce Huang	Relative Humidity :	50~53%

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Pass/Fail
00	2402	0.695	0.5	Pass
19	2440	0.693	0.5	Pass
39	2480	0.695	0.5	Pass

6 dB Bandwidth Plot on Channel 00

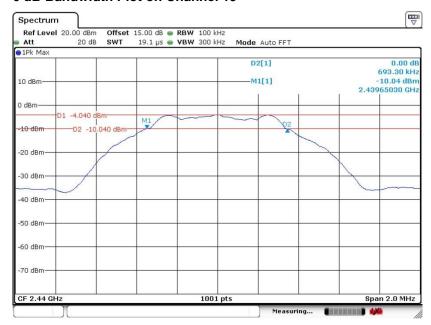


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6 dB Bandwidth Plot on Channel 19



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6 dB Bandwidth Plot on Channel 39



Date: 25.NOV.2015 15:14:10

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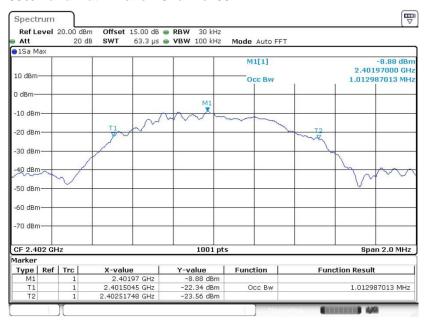
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3.1.6 Test Result of 99% Occupied Bandwidth

Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26 ℃
Test Engineer :	Bruce Huang	Relative Humidity :	50~53%

Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
00	2402	1.013
19	2440	1.011
39	2480	1.011

99% Bandwidth Plot on Channel 00

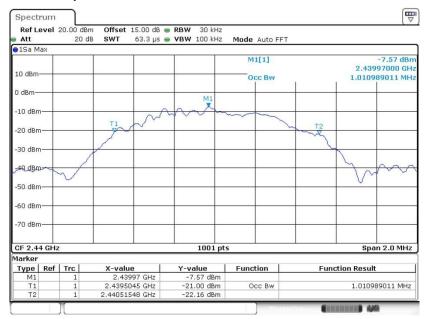


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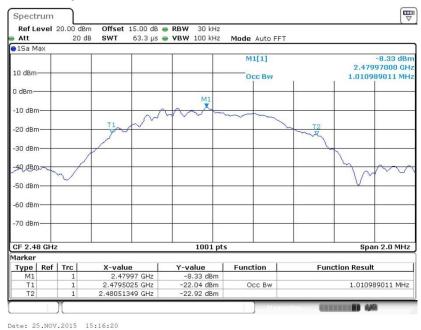
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99% Occupied Bandwidth Plot on Channel 19



Date: 25.NOV.2015 15:20:54

99% Occupied Bandwidth Plot on Channel 39



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

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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 v03r04 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



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3.2.5 Test Result of Peak Output Power

Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26 ℃
Test Engineer :	Bruce Huang	Relative Humidity :	50~53%

	F	RF Power (dBm)		
Channel	Frequency	GFSK	Max. Limits	Pass/Fail
	(MHz)	1 Mbps	(dBm)	Pass/Faii
00	2402	-2.78	30.00	Pass
19	2440	-1.80	30.00	Pass
39	2480	-2.51	30.00	Pass

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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.

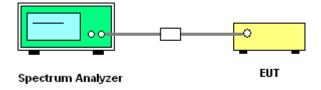
3.3.2 Measuring Instruments

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 v03r04
- 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.
- 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



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3.3.5 Test Result of Power Spectral Density

Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26 ℃
Test Engineer :	Bruce Huang	Relative Humidity :	50~53%

Channal	Frequency	Power Density		Max. Limits	Dece/Feil
Channel	(MHz)	PSD/100kHz (dBm)	PSD/3kHz (dBm)	(dBm/3kHz)	Pass/Fail
00	2402	-5.37	-20.32	8	Pass
19	2440	-4.08	-19.06	8	Pass
39	2480	-4.88	-19.82	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.

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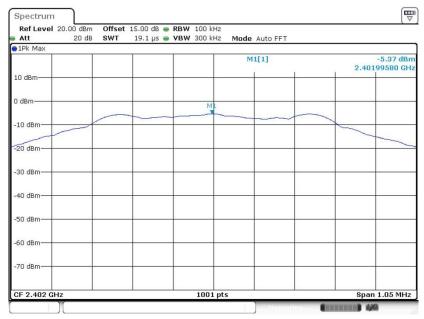
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3.3.6 Test Result of Power Spectral Density Plots (100kHz)

PSD 100kHz Plot on Channel 00



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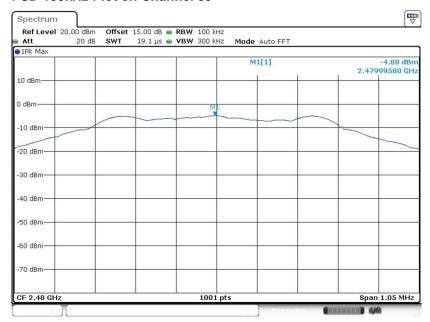
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PSD 100kHz Plot on Channel 19



Date: 25.NOV.2015 15:19:35

PSD 100kHz Plot on Channel 39



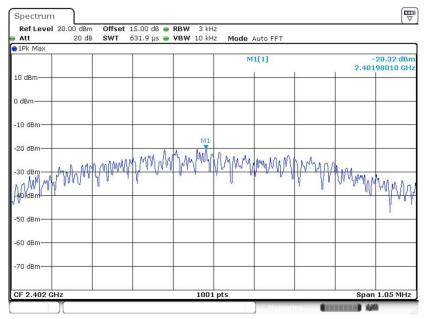
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3.3.7 Test Result of Power Spectral Density Plots (3kHz)

PSD 3kHz Plot on Channel 00

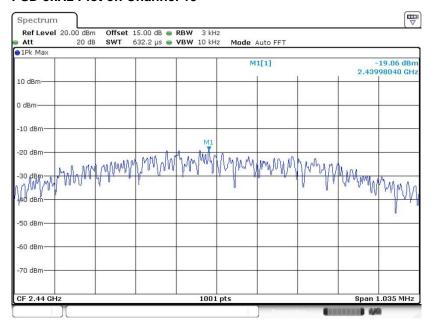


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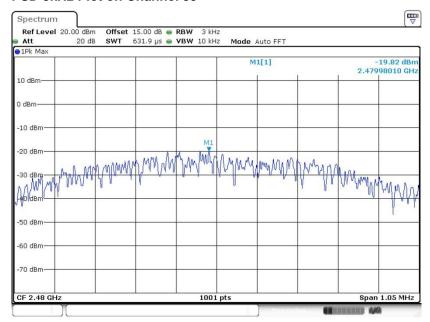
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PSD 3kHz Plot on Channel 19



Date: 25.NOV.2015 15:18:52

PSD 3kHz Plot on Channel 39



Date: 25.NOV.2015 15:14:43

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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 v03r04.
- 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



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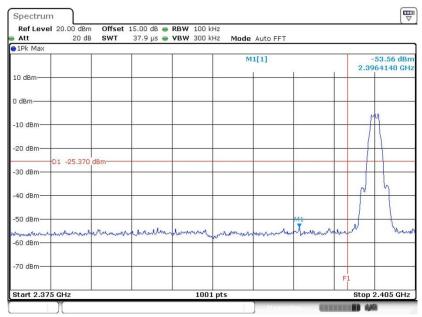
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3.4.5 Test Result of Conducted Band Edges Plots

Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26 ℃
Test Channel :	00 and 39	Relative Humidity :	50~53%
		Test Engineer :	Bruce Huang

Low Band Edge Plot on Channel 00

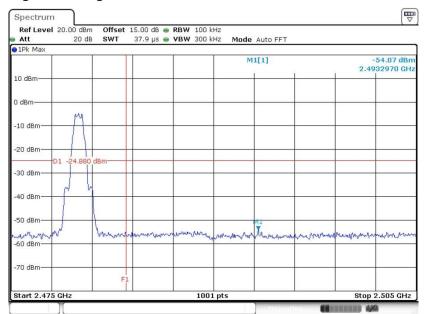


Date: 25.NOV.2015 15:05:22

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High Band Edge Plot on Channel 39



Date: 25.NOV.2015 15:15:06

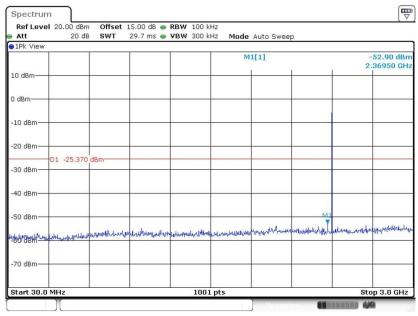
TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTUDIOONE Page Number : 26 of 43
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3.4.6 Test Result of Conducted Spurious Emission Plots

Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26 ℃
Test Channel :	00	Relative Humidity :	50~53%
		Test Engineer :	Bruce Huang

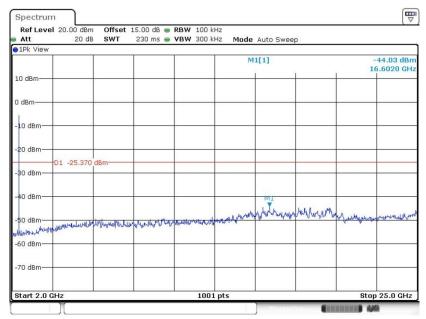
Conducted Spurious Emission Plot on Bluetooth LE 1Mbps GFSK Channel 00



Date: 25.NOV.2015 15:05:34

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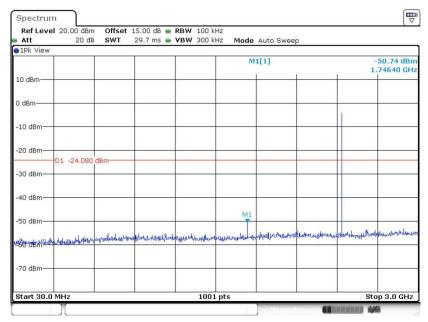


Date: 25.NOV.2015 15:05:43

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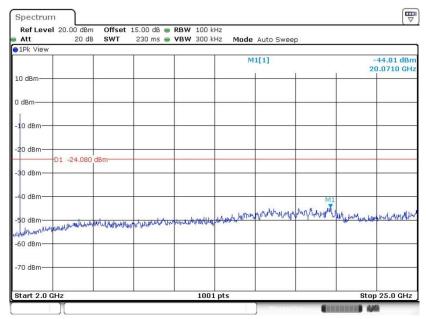
Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26℃
Test Channel :	19	Relative Humidity :	50~53%
		Test Engineer :	Bruce Huang



Date: 25.NOV.2015 15:19:49

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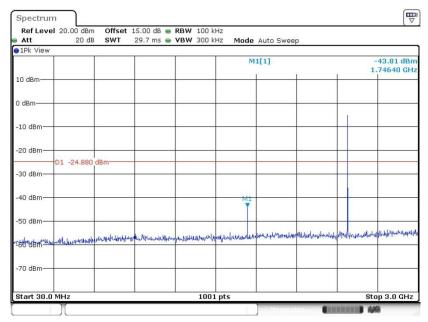


Date: 25.NOV.2015 15:19:58

TEL: 86-755-8637-9589 FAX: 86-755-8637-9595 FCC ID: YHLBLUSTUDIOONE Page Number : 30 of 43
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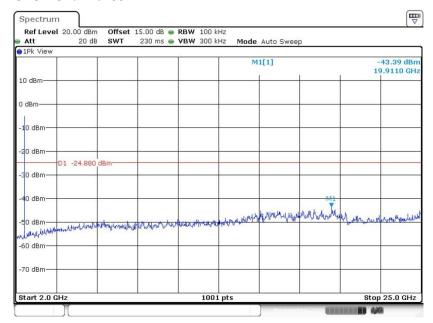
Test Mode :	Bluetooth v4.0 LE	Temperature :	24~26℃
Test Channel :	39	Relative Humidity :	50~53%
		Test Engineer :	Bruce Huang



Date: 25.NOV.2015 15:15:54

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Date: 25.NOV.2015 15:16:03

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3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 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.

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3.5.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r04.
- 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	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
Bluetooth v4.0 LE	60.13	0.38	2.63	3kHz

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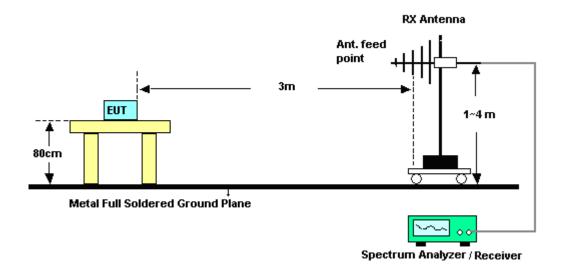
Report No.: FR5N2403B

3.5.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz

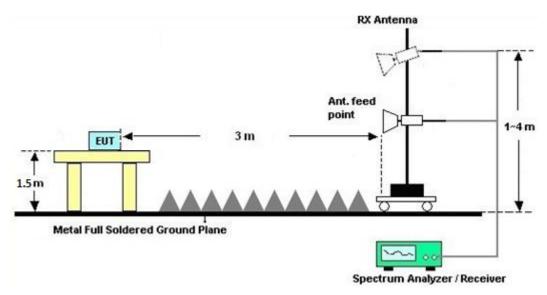


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For radiated emissions above 1GHz



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 ~ 10th Harmonic)

Please refer to Appendix A.

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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 (MHz)	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					

^{*}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.

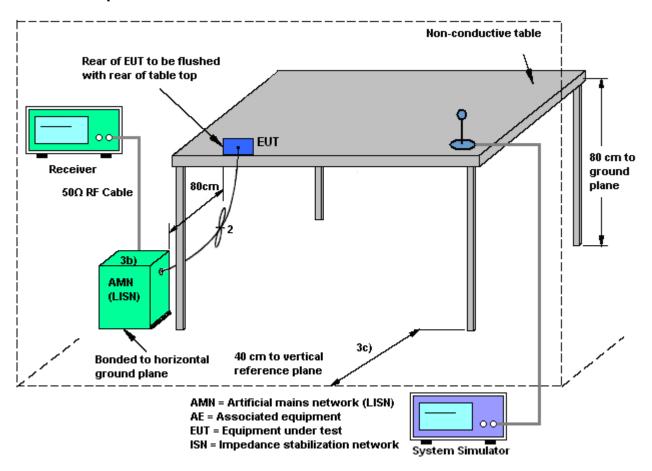
3.6.3 Test Procedures

- 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.

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3.6.4 Test Setup



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3.6.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1			Te	emperatu	re :	21~	21~23°ℂ				
Test Engineer :	Jacky Ya	ang		R	Relative Humidity :			41~43%				
Test Voltage :	120Vac /	120Vac / 60Hz				Phase :			Line			
Function Type :	GSM850 from Ada			th Link	+ WLAN	Link + I	Earpho	ne + USE	3 Cable (Chargir			
100 ^L	evel (dBuV)					Da	ate: 2015-	11-26 Time: 1	6:19:31			
90												
80												
70												
60								FCC 1	5C_QP			
								FCC 15	C AVG			
50	Aun	-						.1	C_AVO			
40	<u> / </u>	MY MY I	S. A.M. M.Van P	Market Vender	MARINAN WARRING	10 . 40 8	1110	Mary Aller Andrews	<u> </u>			
30	V4 V *V	יוער ווא יי	1.4 1/1 44	TIOITI	man baran la	Made All the wat all by the	PMMA PLA		W. Chaptelepho			
	` '		T 1	9				11				
20												
10												
10												
0												
0	15 .2	.5		1	2 guency (MHz	5	1	0 2	0 30			
0	15 .2	.5		-	2 quency (MHz	_	1	0 2	0 30			
0.				Fre	quency (MHz	_	1	0 2	0 30			
0.	15 .2 on: FCC 15			Fre	quency (MHz	_	1	0 2	0 30			
Condition Mode	on: FCC 15	SC_QP LI:	SN_L_201	Fre .50304 1	quency (MHz	_	1	0 2	0 30			
Condition	on: FCC 15	SC_QP LI:	SN_L_201 83/86845	Fre .50304 1	quency (MHz LINE 3581)			0 30			
Condition Mode	on: FCC 15 : Mode 1 : 868455	6C_QP LI: 60187093	SN_L_201 83/86845 Over	Fre .50304 1 .5018700 Limi	quency (MHz LINE 3581 t Read	lisn	Cable	÷	0 30			
Condition Mode	on: FCC 15 : Mode 1 : 868455	SC_QP LI:	SN_L_201 83/86845 Over	Fre .50304 1 .5018700 Limi	quency (MHz LINE 3581	lisn	Cable		0 30			
Condition Mode	on: FCC 15 : Mode 1 : 868455	6C_QP LI: 60187093	SN_L_201 83/86845 Over	Fre 50304 1 55018700 Limi Lin	quency (MHz LINE 3581 t Read e Level	LISN Factor	Cable	e s Remark	0 30			
Condition Mode IMEI	en: FCC 15 : Mode 1 : 868455 Freq	GC_QP LI: G01870936 Level dBuV	5N_L_201 83/86845 Over Limit —	50304 1 50304 1 5018700 Limi Lin dBu	quency (MHz LINE 3581 t Read e Level V dBuV	LISN Factor dB	Cable Loss di	e 3 Remark -				
Condition Mode IMEI	en: FCC 15 : Mode 1 : 868455 Freq MHz	C_QP LI: 001870938 Level dBuV 28.71	5N_L_201 83/86845 Over Limit dB -25.62	50304 1 50304 1 Limi Lim dBu 54.3	Quency (MHz LINE 3581 t Read e Level V dBuV 3 17.91	LISN Factor dB	Cable Loss	Remark				
Condition Mode IMEI	en: FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.18	C_QP LI: 01870938 Level dBuV 28.71 41.41	5N_L_201 83/86845 Over Limit dB -25.62 -22.92	50304 1 55018700 Limi Lin dBu 54.3 64.3	t Read E Level W dBuV 3 17.91 3 30.61	LISN Factor dB 0.49 0.49	Cable Loss di 10.33	Remark Average				
Condition Mode IMEI	en: FCC 15 : Mode 1 : 868455 Freq MHz	C_QP LI: 001870938 Level dBuV 28.71 41.41 26.36	5N_L_201 83/86845 Over Limit dB -25.62	55018700 Limi Lin dBu 54.3 64.3 47.1	Tine 3581 t Read e Level dBuV 3 17.91 3 30.61 1 15.61	LISN Factor dB 0.49 0.49 0.59	Cable Loss di 10.33 10.35	Remark Average QP Average				
Condition Mode IMEI 1 2 3	mer. FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.18 0.44	Level dBuV 28.71 41.41 26.36 38.16	5N_L_201 83/86845 Over Limit dB -25.62 -22.92 -20.75	50304 1 55018700 Limi Lin dBu 54.3 64.3 47.1 57.1	duency (MHz LINE 3581 t Read e Level V dBuV 3 17.91 3 30.61 1 15.61 1 27.41	LISN Factor dB 0.49 0.59 0.59	Cable Loss dF 10.31 10.31 10.16 10.16	Remark Average QP Average				
Condition Mode IMEI 1 2 3 4	mi: FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.18 0.44 0.44	Level dBuV 28.71 41.41 26.36 38.16 27.27	83/86845 Over Limit ———————————————————————————————————	50304 1 55018700 Limi Lin dBu 54.3 64.3 47.1 57.1 46.0	duency (MHz LINE 3581 t Read e Level V dBuV 3 17.91 3 30.61 1 15.61 1 27.41 0 16.50	LISN Factor dB 0.49 0.49 0.59 0.59 0.62	Cable Loss dF 10.31 10.16 10.16	Remark Average QP Average QP Average QP Average				
Condition Mode IMEI 1 2 3 4 5 *	m: FCC 15 : Mode 1 : 868455 Freq MHZ 0.18 0.18 0.44 0.44 0.57	Level dBuV 28.71 41.41 26.36 38.16 27.27 37.17	83/86845 Over Limit ———————————————————————————————————	55018700 Limi Lin dBu 54.3 64.3 47.1 57.1 46.0 56.0	duency (MHz LINE 3581 t Read e Level dBuV 3 17.91 3 30.61 1 15.61 1 27.41 0 16.50 0 26.40	LISN Factor dB 0.49 0.59 0.59 0.62 0.62	Cable Loss dF 10.31 10.16 10.16 10.15 10.15	Remark Average QP Average QP Average QP Average				
Condition Mode IMEI 1 2 3 4 5 *	m: FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.18 0.44 0.44 0.57 0.57	Level dBuV 28.71 41.41 26.36 38.16 27.27 37.17	83/86845 Over Limit ———————————————————————————————————	55018700 Limi Lin dBu 54.3 64.3 47.1 57.1 46.0 56.0 46.0	Tine 3581 t Read e Level dBuV 3 17.91 3 30.61 1 15.61 1 27.41 0 16.50 0 26.40 0 15.30	LISN Factor dB 0.49 0.59 0.59 0.62 0.62	Cable Loss dE 10.31 10.16 10.16 10.15 10.15	Average QP Average QP Average QP Average QP Average				
Condition Mode IMEI 1 2 3 4 5 6 7	m: FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.18 0.44 0.44 0.57 0.57	Level dBuV 28.71 41.41 26.36 38.16 27.27 37.17 26.00 35.60	83/86845 Over Limit ———————————————————————————————————	55018700 Limi Lin dBu 54.3 64.3 47.1 46.0 56.0 46.0 56.0	Tine 3581 t Read e Level dBuV 3 17.91 3 30.61 1 15.61 1 27.41 0 16.50 0 26.40 0 15.30	LISN Factor dB 0.49 0.59 0.59 0.62 0.62 0.55	Cable Loss dF 10.31 10.16 10.16 10.15 10.15 10.15	Average QP Average QP Average QP Average QP Average				
Condition Mode IMEI 1 2 3 4 5 * 6 7 8	m: FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.44 0.44 0.57 0.57 0.69 0.69	dBuV 28.71 41.41 26.36 38.16 27.27 37.17 26.00 35.60 23.46	SN_L_201 83/86845 Over Limit -25.62 -22.92 -20.75 -18.95 -18.73 -18.83 -20.00 -20.40 -22.54	55018700 Limi Lin dBu 54.3 64.3 47.1 57.1 46.0 56.0 46.0 46.0	Tine Signature Read to Level Graph day 3 17.91 3 30.61 1 15.61 1 27.41 0 16.50 0 26.40 0 15.30 0 24.90	LISN Factor dB 0.49 0.59 0.59 0.62 0.62 0.55 0.55	Cable Loss dr 10.31 10.32 10.16 10.15 10.15 10.15 10.15	Average QP Average QP Average QP Average QP Average QP Average				
Condition Mode IMEI 1 2 3 4 5 * 6 7 8 9	m: FCC 15 : Mode 1 : 868455 Freq MHz 0.18 0.44 0.44 0.57 0.57 0.69 0.69 1.18	dBuV 28.71 41.41 26.36 38.16 27.27 37.17 26.00 35.60 23.46 33.16	SN_L_201 83/86845 Over Limit -25.62 -22.92 -20.75 -18.95 -18.73 -18.83 -20.00 -20.40 -22.54	55018700 Limi Lin dBu 54.3 64.3 47.1 57.1 46.0 56.0 46.0 56.0	de Level Transport de la companya d	LISN Factor dB 0.49 0.59 0.59 0.62 0.62 0.55 0.55 0.50	Cable Loss di 10.31 10.32 10.16 10.15 10.15 10.16 10.16 10.16 10.16	Average QP Average QP Average QP Average QP Average QP Average				

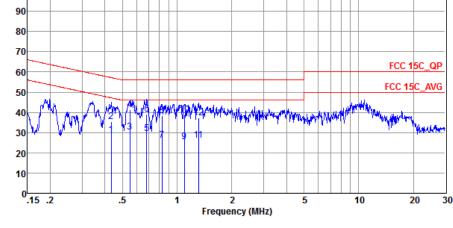
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Test Mode :	Mode 1	Temperature :	21~23 ℃
Test Engineer :	Jacky Yang	Relative Humidity :	41~43%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + Bluetooth Li	nk + WLAN Link + Ea	rphone + USB Cable (Charging

from Adapter) + SIM 1 100 Level (dBuV) Date: 2015-11-26 Time: 16:24:43 90 80 70



Condition: FCC 15C_QP LISN_N_20150304 NEUTRAL

: Mode 1 Mode

IMEI : 868455018709383/868455018708581

			Over	Limit	Read	LISN	Cable	
	Freq	Level	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBu∀	dB	dBu∀	dBu∀	dB	dB	
1	0.43	28.93	-18.27	47.20	18.20	0.57	10.16	Average
2	0.43	35.53	-21.67	57.20	24.80	0.57	10.16	QP
3	0.55	30.35	-15.65	46.00	19.61	0.59	10.15	Average
4 *	0.55	41.25	-14.75	56.00	30.51	0.59	10.15	QP
5	0.68	29.41	-16.59	46.00	18.70	0.56	10.15	Average
6	0.68	39.21	-16.79	56.00	28.50	0.56	10.15	QP
7	0.83	26.30	-19.70	46.00	15.60	0.55	10.15	Average
8	0.83	38.30	-17.70	56.00	27.60	0.55	10.15	QP
9	1.09	25.32	-20.68	46.00	14.60	0.56	10.16	Average
10	1.09	38.72	-17.28	56.00	28.00	0.56	10.16	QP
11	1.31	26.13	-19.87	46.00	15.40	0.56	10.17	Average
12	1.31	37.13	-18.87	56.00	26.40	0.56	10.17	QP

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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.

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4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	9kHz~40GHz	May 05, 2015	Nov. 25, 2015	May 04, 2016	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1207253	30MHz~40GHz	Jan. 28, 2015	Nov. 25, 2015	Jan. 27, 2016	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Jan. 28, 2015	Nov. 25, 2015	Jan. 27, 2016	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz; Max 30dBm	Sep. 10, 2015	Jan. 28, 2016	Sep. 09, 2016	Radiation (03CH03-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44GHz	Jun. 05, 2015	Jan. 28, 2016	Jun. 04, 2016	Radiation (03CH03-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Nov. 07, 2015	Jan. 28, 2016	Nov. 06, 2016	Radiation (03CH03-KS)
Bilog Antenna	TeseQ	CBL6112D	23182	25MHz-2GHz	Jan. 16, 2016	Jan. 28, 2016	Jan. 15, 2017	Radiation (03CH03-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1356	1GHz~18GHz	Jun. 25, 2015	Jan. 28, 2016	Jun. 24, 2016	Radiation (03CH03-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz ~40GHz	Mar. 03, 2015	Jan. 28, 2016	Mar. 02, 2016	Radiation (03CH03-KS)
Amplifier	Burgeon	BPA-530	102212	0.01MHz-3000M Hz	Aug.10, 2015	Jan. 28, 2016	Aug. 09, 2016	Radiation (03CH03-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Oct. 24, 2015	Jan. 28, 2016	Oct. 23, 2016	Radiation (03CH03-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jan. 28, 2016	NCR	Radiation (03CH03-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jan. 28, 2016	NCR	Radiation (03CH03-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jan. 28, 2016	NCR	Radiation (03CH03-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 04, 2015	Nov. 26, 2015	May 03, 2016	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 24, 2015	Nov. 26, 2015	Oct. 23, 2016	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 24, 2015	Nov. 26, 2015	Oct. 23, 2016	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP0000008 11	AC 0V~300V, 45Hz~1000Hz	Oct. 24, 2015	Nov. 26, 2015	Oct. 23, 2016	Conduction (CO01-KS)

NCR: No Calibration Required

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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

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

Measuring Uncertainty for a Level of Confidence	4.5 dB
of 95% (U = 2Uc(y))	

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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.
		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	
		2322.6	48.79	-25.21	74	52.15	27.01	4.7	35.07	160	212	Р	Н
		2385.51	39.27	-14.73	54	42.25	27.25	4.79	35.02	160	212	Α	Н
	*	2402	76.37	-	-	79.33	27.25	4.79	35	160	212	Р	Н
BLE	*	2402	75.75	-	-	78.71	27.25	4.79	35	160	212	Α	Н
CH 00 2402MHz		2343.57	49	-25	74	52.24	27.07	4.74	35.05	165	296	Р	V
2402141112		2335.47	39.15	-14.85	54	42.41	27.07	4.74	35.07	165	296	Α	V
	*	2402	78.46	ı	•	81.42	27.25	4.79	35	165	296	Р	V
	*	2402	76.85	ı	1	79.81	27.25	4.79	35	165	296	Α	V
		2387.31	48.65	-25.35	74	51.63	27.25	4.79	35.02	158	336	Р	Н
		2382.99	39.19	-14.81	54	42.23	27.19	4.79	35.02	158	336	Α	Н
	*	2440	77.46	ı	1	80.19	27.42	4.82	34.97	158	336	Р	Н
	*	2440	76.89	ı	ı	79.62	27.42	4.82	34.97	158	336	Α	Н
		2485.72	49.39	-24.61	74	51.92	27.54	4.85	34.92	158	336	Р	Н
BLE CH 19		2486.52	39.8	-14.2	54	42.33	27.54	4.85	34.92	158	336	Α	Н
2440MHz		2379.48	48.81	-25.19	74	51.85	27.19	4.79	35.02	181	269	Р	V
ZTTOIVII IZ		2344.83	39.55	-14.45	54	42.79	27.07	4.74	35.05	181	269	Α	V
	*	2440	77.44	-	-	80.17	27.42	4.82	34.97	181	269	Р	V
	*	2440	77.02		-	79.75	27.42	4.82	34.97	181	269	Α	V
		2495.08	48.55	-25.45	74	50.96	27.6	4.89	34.9	181	269	Р	V
		2494.88	39.83	-14.17	54	42.24	27.6	4.89	34.9	181	269	Α	V

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FCC RF Test Report

	*	2480	76.06	-	-	78.59	27.54	4.85	34.92	150	176	Р	Н
	*	2480	74.63	-	-	77.16	27.54	4.85	34.92	150	176	Α	Н
		2489.32	50	-24	74	52.43	27.6	4.89	34.92	150	176	Р	Н
BLE CH 39		2483.76	39.85	-14.15	54	42.38	27.54	4.85	34.92	150	176	Α	Н
2480MHz	*	2480	75.84	-	-	78.37	27.54	4.85	34.92	160	304	Р	V
2400WII 12	*	2480	75.26	-	1	77.79	27.54	4.85	34.92	160	304	Α	V
		2484.6	48.98	-25.02	74	51.51	27.54	4.85	34.92	160	304	Р	V
		2484.36	39.67	-14.33	54	42.2	27.54	4.85	34.92	160	304	Α	V
Remark	1. No	o other spurious	s found.										
Roman	2. Al	l results are PA	SS against F	Peak and	Average lim	it line.							

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15C 2.4GHz 2400~2483.5MHz

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BLE (Harmonic @ 3m)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)		Avg. (P/A)	
BLE		4804	39.47	-34.53	74	59.79	31.03	6.95	58.3	250	0	Р	Н
CH 00 2402MHz		4804	39.8	-34.2	74	60.12	31.03	6.95	58.3	250	0	Р	V
		4880	39.63	-34.37	74	60.18	31.12	6.99	58.66	250	0	Р	Н
BLE		7320	47.72	-26.28	74	62.12	35.98	8.22	58.6	150	0	Р	Н
CH 19 2440MHz		4880	39.45	-34.55	74	60	31.12	6.99	58.66	250	0	Р	V
2440WITI2		7320	49.56	-24.44	74	63.96	35.98	8.22	58.6	150	0	Р	V
		4960	38.69	-35.31	74	58.73	31.24	7.02	58.3	250	0	Р	Н
BLE		7440	47.65	-26.35	74	61.64	36.16	8.3	58.45	150	0	Р	Н
CH 39 2480MHz		4960	39.73	-34.27	74	59.77	31.24	7.02	58.3	250	0	Р	V
240UNITZ		7440	49.58	-24.42	74	63.57	36.16	8.3	58.45	150	0	Р	V
Remark		o other spurious			A	• •			•			•	•

All results are PASS against Peak and Average limit line.

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15C Emission below 1GHz

2.4GHz BLE (LF)

BLE	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
		(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)		Avg. (P/A)	
		44.55	20.58	-19.42	40	41.89	11.08	1	33.39	-	-	Р	Н
		112.45	20.96	-22.54	43.5	40.89	12.02	1.38	33.33	-	-	Р	Н
		134.76	32.66	-10.84	43.5	52.88	11.53	1.53	33.28	100	360	Р	Н
		211.39	19.47	-24.03	43.5	40.29	10.53	1.8	33.15	-	-	Р	Н
		294.81	22.25	-23.75	46	39.74	13.62	1.94	33.05	-	-	Р	Н
2.4GHz		434.49	18.08	-27.92	46	31.56	16.98	2.22	32.68	-	-	Р	Н
BLE LF		37.76	27.1	-12.9	40	45.52	13.96	1	33.38	-	-	Р	V
Lr		49.4	32.69	-7.31	40	55.79	9.26	1	33.36	100	300	Р	٧
		59.1	21.87	-18.13	40	47.53	6.56	1.14	33.36	-	-	Р	٧
		104.69	17.29	-26.21	43.5	37.07	12.19	1.38	33.35	-	-	Р	٧
		221.09	14.84	-31.16	46	35.29	10.89	1.8	33.14	-	-	Р	٧
		294.81	19.36	-26.64	46	36.85	13.62	1.94	33.05	-	-	Р	٧
Remark	1. No	o other spurious	s found.										

2. All results are PASS against limit line.

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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 over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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

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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 _µ 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 μ V/m) – Limit Line(dB μ V/m)

For Peak Limit @ 2390MHz:

- 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)
- $= 32.22(dB/m) + 4.58(dB) + 42.6(dB\mu V) 35.86 (dB)$
- $= 43.54 (dB\mu V/m)$
- 2. Over Limit(dB)
- = Level(dBµV/m) Limit Line(dBµV/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".

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