

Report No.: FR432015

FCC RF Test Report

APPLICANT : CT Asia EQUIPMENT : Tablet PC

BRAND NAME : BLU

MODEL NAME : Touch Book 7.0 Pro FCC ID : YHLBLUTB70PRO

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Mar. 20, 2014 and testing was completed on Apr. 15, 2014. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and the testing has shown the tested sample to be 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.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

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SPORTON INTERNATIONAL (SHENZHEN) INC.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR432015	Rev. 01	Initial issue of report	Apr. 23, 2014

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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)	Power Output Measurement	≤ 30dBm	Pass	-
3.3	15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
	45.047(4)	Conducted Band Edges		Pass	-
3.4	15.247(d)	Conducted Spurious Emission	· ≤20dBc	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.55 dB at 2484.160 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 6.19 dB at 0.470 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-

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General Description

1.1 Applicant

CT Asia

Unit 01, 15/F, Seaview Centre, 139-141 Hoi bun road, Kwun Tong, Kowloon, Hongkong

1.2 Manufacturer

SHENZHEN YIFANG DIGITAL TECHNOLOGY CO., LTD.

Building NO. 22, 23, Fifth Region, Baiwangxin Industrial Park, Songbai Rd., Nanshan, Shenzhen 518108, China

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1.3 Feature of Equipment Under Test

F	Product Feature							
Equipment	Tablet PC							
Brand Name	BLU							
Model Name	Touch Book 7.0 Pro							
FCC ID	YHLBLUTB70PRO							
EUT supports Radios application	WLAN2.4GHz 802.11b/g/n HT20/HT40							
HW Version	V1.4D							
SW Version	BLUM7103KLP_20140304_V2.0.0_4.2.2							
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 of Equipment Under Test

Product Specific	Product Specification subjective to this standard						
Tx/Rx Channel Frequency Range	802.11b/g/n : 2412 MHz ~ 2462 MHz						
	802.11b : 15.54 dBm (0.0358 W)						
Maximum (Peak) Output Power to	802.11g : 21.63 dBm (0.1455 W)						
Antenna	802.11n HT20 : 20.68 dBm (0.1169 W)						
	802.11n HT40 : 20.18 dBm (0.1042 W)						
Antenna Type	802.11b/g/n: PIFA Antenna with gain 2.00 dBi						
/Rx Channel Frequency Range ximum (Peak) Output Power to tenna	802.11b: DSSS (DBPSK / DQPSK / CCK)						
Type of Modulation	802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)						

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1.5 Modification of EUT

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

1.6 Testing Site

Test Site		SPORTON INT	ERNATIONAL (S	HENZHEN) INC.				
Toot	.:	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse,						
Test Location	Site	Nanshan District, Shenzhen, Guangdong, P.R.C.						
Location		TEL: +86-755- 3320-2398						
Took Cite N	10		Sporton Site No).	FCC Registration No.			
Test Site N	Ю.	TH01-SZ	03CH01-SZ	CO01-SZ	831040			

Note: The test site complies with ANSI C63.4 2003 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 v03r01
- ANSI C63.4-2003

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This 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

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: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
	1	2412	7	2442
	2	2417	8	2447
2400-2483.5 MHz	3	2422	9	2452
2400-2463.3 IVITZ	4	2427	10	2457
	5	2432	11	2462
	6	2437	-	-

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2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test shown in the following tables.

Channel	Frequency	DSSS Data Rate							
		1 Mbps	2 Mbps	5.5 Mbps	11 Mbps				
CH 01	2412 MHz	15.19	15.16	15.11	15.15				
CH 06	2437 MHz	<mark>15.54</mark>	15.50	15.47	15.43				
CH 11	2462 MHz	15.32	15.30	15.27	15.21				

		2.4GHz 802.11g RF Power (dBm)												
Channel	Frequency	OFDM Data Rate							OFDM Data Rate					
		6 Mbps	9 Mbps	12 Mbps	18 Mbps	24 Mbps	36 Mbps	48 Mbps	54 Mbps					
CH 01	2412 MHz	21.27	21.13	21.11	20.91	20.99	20.88	20.94	20.85					
CH 06	2437 MHz	21.19	21.06	21.01	20.98	21.05	21.03	21.00	20.95					
CH 11	2462 MHz	<mark>21.63</mark>	21.58	21.54	21.50	21.52	21.44	21.41	21.38					

Channel	2.4GHz 802.11n HT20 RF Power (dBm)								
	Frequency	OFDM Data Rate							
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 01	2412 MHz	20.08	20.00	19.97	19.94	19.99	19.89	19.92	19.88
CH 06	2437 MHz	20.04	20.01	19.96	19.92	19.95	19.86	19.83	19.86
CH 11	2462 MHz	<mark>20.68</mark>	20.62	20.58	20.53	20.57	20.53	20.56	20.51

Channel			2	.4GHz 80	2.11n HT	40 RF Pc	wer (dBr	n)	
	Frequency				OFDM D	M Data Rate			
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 03	2422 MHz	19.98	19.92	19.89	19.93	19.88	19.84	19.81	19.86
CH 06	2437 MHz	19.88	19.84	19.81	19.85	19.80	19.78	19.74	19.71
CH 09	2452 MHz	<mark>20.18</mark>	20.14	20.12	20.07	20.11	20.15	20.11	20.08

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2.3 Test Mode

Final results of test modes, data rates and test channels are shown as following table.

		Test Cases		
	Test Items	Mode	Data Rate	Test Channel
		802.11b	1 Mbps	1/6/11
	6dB BW	802.11g	6 Mbps	1/6/11
	Power Spectral	802.11n HT20	MCS0	1/6/11
	Density	802.11n HT40	MCS0	3/6/9
		802.11b	1 Mbps	1/6/11
	Outset Bassa	802.11g	6 Mbps	1/6/11
One deserted	Output Power	802.11n HT20	MCS0	1/6/11
Conducted TCs		802.11n HT40	MCS0	3/6/9
ICS		802.11b	1 Mbps	1/11
	Conducted Band	802.11g	6 Mbps	1/11
	Edge	802.11n HT20	MCS0	1/11
		802.11n HT40	MCS0	3/9
		802.11b	1 Mbps	1/6/11
	Conducted	802.11g	6 Mbps	1/6/11
	Spurious Emission	802.11n HT20	MCS0	1/6/11
		802.11n HT40	MCS0	3/6/9
		802.11b	1 Mbps	1/11
	Radiated Band	802.11g	6 Mbps	1/11
	Edge	802.11n HT20	MCS0	1/11
Radiated		802.11n HT40	MCS0	3/9
TCs		802.11b	1 Mbps	1/6/11
	Radiated Spurious	802.11g	6 Mbps	1/6/11
	Emission	802.11n HT20	MCS0	1/6/11
		802.11n HT40	MCS0	3/6/9
AC Conducted	Mode 1 : WLAN Link	+ USB Cable (Charging from	Adapter 1) + Earphone	
Emission	Mode 2 : WLAN Link	+ USB Cable (Charging from	Adapter 2) + Earphone	

Remark: The worst case of AC conducted emission is mode 2; only the test data of it was reported.

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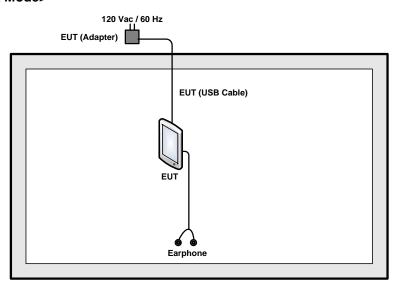
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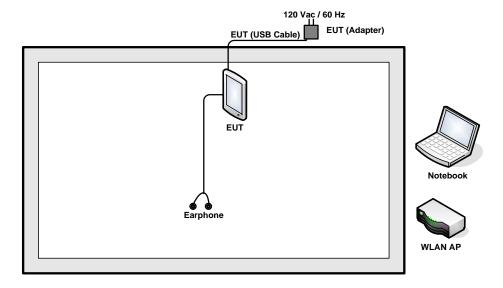


2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



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2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
						AC I/P:
	Natabaali	DELL Vostro 1440 FCC DoC N/A		Unshielded, 1.2 m		
1.	. Notebook		VOSTIO 1440	FCC DOC		DC O/P:
						Shielded, 1.8 m
2.	Earphone	Lenovo	SH100	N/A	Unshielded 1.6m	N/A
3.	DC Power Supply	TOPWORD	3303DR	N/A	N/A	N/A

2.6 EUT Operation Test Setup

For WLAN 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.

2.7 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 7.5 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
=
$$7.5 + 10 = 17.5$$
 (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 measuring equipment is listed in the section 4 of this test report.

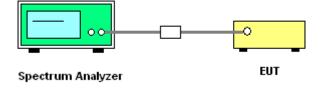
3.1.3 Test Procedures

- 1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r01.
- 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.

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- 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



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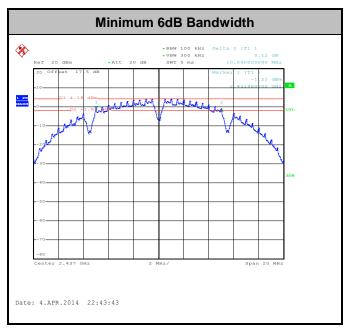
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3.1.5 Test Result of 6dB Bandwidth

Test Band :	2.4GHz	Temperature :	24~26℃
Test Engineer :	Fly Liang	Relative Humidity :	50~53%

Mod.	Data Rate	N _{TX}	Channel	Freq. (MHz)	6dB Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Pass/Fail
11b	1Mbps	1	1	2412	10.08	0.5	Pass
11b	1Mbps	1	6	2437	10.04	0.5	Pass
11b	1Mbps	1	11	2462	10.08	0.5	Pass
11g	6Mbps	1	1	2412	16.56	0.5	Pass
11g	6Mbps	1	6	2437	16.52	0.5	Pass
11g	6Mbps	1	11	2462	16.56	0.5	Pass
HT20	MCS0	1	1	2412	17.76	0.5	Pass
HT20	MCS0	1	6	2437	17.80	0.5	Pass
HT20	MCS0	1	11	2462	17.80	0.5	Pass
HT40	MCS0	1	3	2422	36.40	0.5	Pass
HT40	MCS0	1	6	2437	36.32	0.5	Pass
HT40	MCS0	1	9	2452	36.32	0.5	Pass



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

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3.2 Output Power Measurement

3.2.1 Limit of 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 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

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

- The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r01.
- 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 :	2.4GHz	Temperature :	24~26 ℃
Test Engineer :	Fly Liang	Relative Humidity:	50~53%

Mod.	Data Rate	N _{TX}	Channel	Freq. (MHz)	RF Output Power (dBm)	Power Limit (dBm)	DG (dBi)	Pass/Fail
11b	1Mbps	1	1	2412	15.19	30	2.00	Pass
11b	1Mbps	1	6	2437	15.54	30	2.00	Pass
11b	1Mbps	1	11	2462	15.32	30	2.00	Pass
11g	6Mbps	1	1	2412	21.27	30	2.00	Pass
11g	6Mbps	1	6	2437	21.19	30	2.00	Pass
11g	6Mbps	1	11	2462	21.63	30	2.00	Pass
HT20	MCS0	1	1	2412	20.08	30	2.00	Pass
HT20	MCS0	1	6	2437	20.04	30	2.00	Pass
HT20	MCS0	1	11	2462	20.68	30	2.00	Pass
HT40	MCS0	1	3	2422	19.98	30	2.00	Pass
HT40	MCS0	1	6	2437	19.88	30	2.00	Pass
HT40	MCS0	1	9	2452	20.18	30	2.00	Pass

Note: Measured power (dBm) has offset with cable loss.

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3.2.6 Test Result of Average output Power (Reporting Only)

Test Mode :	2.4GHz	Temperature :	24~26 ℃
Test Engineer :	Fly Liang	Relative Humidity :	50~53%

Mod.	Data Rate	N _{TX}	Channel	Freq. (MHz)	Duty Factor (dB)	Average Output Power (dBm)	Power Limit (dBm)	DG (dBi)	Pass/Fail
11b	1Mbps	1	1	2412	0.00	12.75	30	2.00	Pass
11b	1Mbps	1	6	2437	0.00	13.25	30	2.00	Pass
11b	1Mbps	1	11	2462	0.00	12.91	30	2.00	Pass
11g	6Mbps	1	1	2412	0.00	12.17	30	2.00	Pass
11g	6Mbps	1	6	2437	0.00	12.32	30	2.00	Pass
11g	6Mbps	1	11	2462	0.00	13.02	30	2.00	Pass
HT20	MCS0	1	1	2412	0.00	11.24	30	2.00	Pass
HT20	MCS0	1	6	2437	0.00	11.36	30	2.00	Pass
HT20	MCS0	1	11	2462	0.00	12.16	30	2.00	Pass
HT40	MCS0	1	3	2422	0.00	10.94	30	2.00	Pass
HT40	MCS0	1	6	2437	0.00	10.88	30	2.00	Pass
HT40	MCS0	1	9	2452	0.00	11.29	30	2.00	Pass

Note: Measured power (dBm) has offset with cable loss and duty factor.

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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.

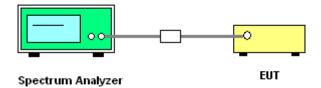
3.3.2 **Measuring Instruments**

The measuring equipment is listed in the section 4 of this test report.

3.3.3 **Test Procedures**

- The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r01
- 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.
- Set to the maximum power setting and enable the EUT transmit continuously. 3.
- 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.
- Measure and record the results in the test report.

3.3.4 Test Setup



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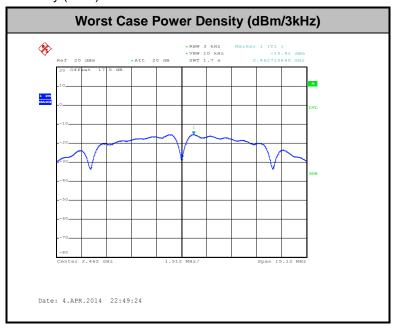


3.3.5 Test Result of Power Spectral Density

Test Mode :	2.4GHz	Temperature :	24~26 ℃
Test Engineer :	Fly Liang	Relative Humidity :	50~53%

Mod.	Data Rate	N _{TX}	Channel	Freq. (MHz)	Peak Power Density (dBm/3kHz)	Max. Limits (dBm/3kHz)	DG (dBi)	Pass/Fail
11b	1Mbps	1	1	2412	-15.69	8	2.00	Pass
11b	1Mbps	1	6	2437	-15.89	8	2.00	Pass
11b	1Mbps	1	11	2462	-15.41	8	2.00	Pass
11g	6Mbps	1	1	2412	-17.14	8	2.00	Pass
11g	6Mbps	1	6	2437	-16.99	8	2.00	Pass
11g	6Mbps	1	11	2462	-16.63	8	2.00	Pass
HT20	MCS0	1	1	2412	-17.57	8	2.00	Pass
HT20	MCS0	1	6	2437	-17.54	8	2.00	Pass
HT20	MCS0	1	11	2462	-16.79	8	2.00	Pass
HT40	MCS0	1	3	2422	-19.09	8	2.00	Pass
HT40	MCS0	1	6	2437	-19.73	8	2.00	Pass
HT40	MCS0	1	9	2452	-20.09	8	2.00	Pass

Note: Measured power density (dBm) has offset with cable loss.



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3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 **Limit of Conducted Band Edges and Spurious Emission Measurement**

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

The measuring equipment is listed in the section 4 of this test report.

3.4.3 **Test Procedures**

> 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r01.

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.

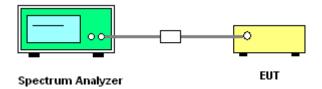
3. Set to the maximum power setting and enable the EUT transmit continuously.

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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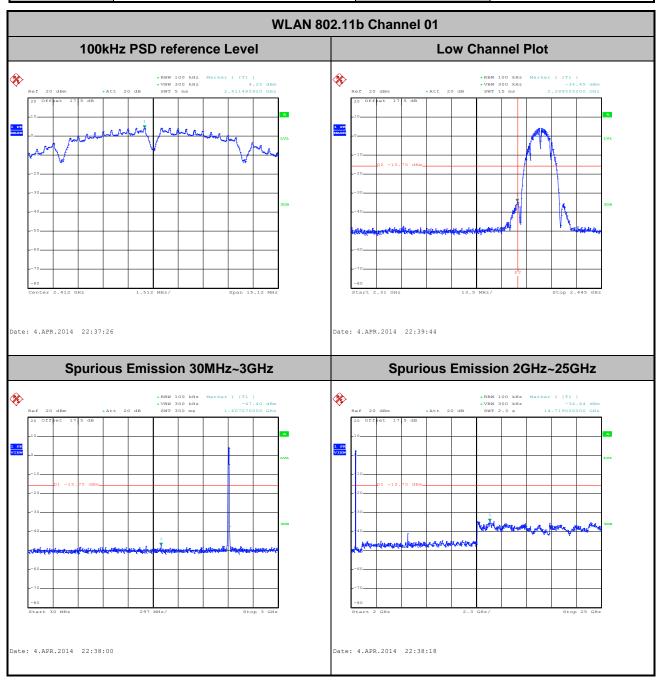
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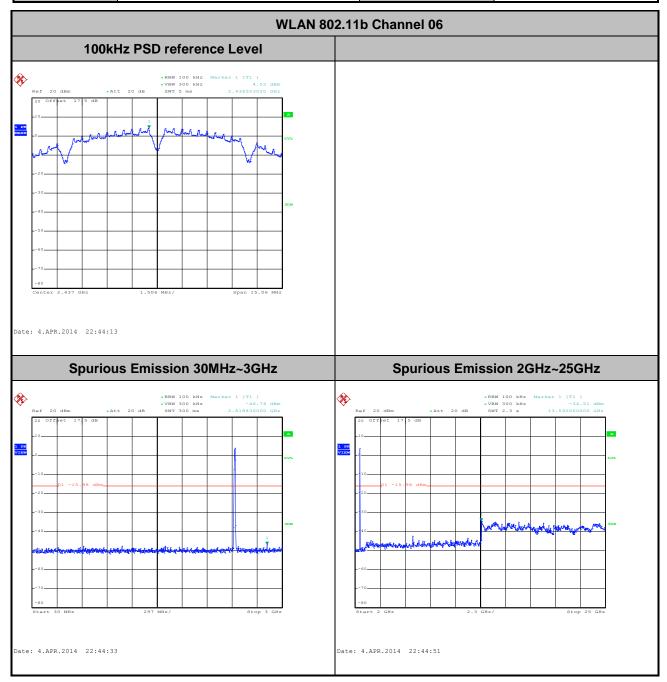
3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Mode :	802.11b	Temperature :	24~26 ℃
Test Band :	2.4GHz Low	Relative Humidity :	50~53%
Test Channel :	01	Test Engineer :	Fly Liang



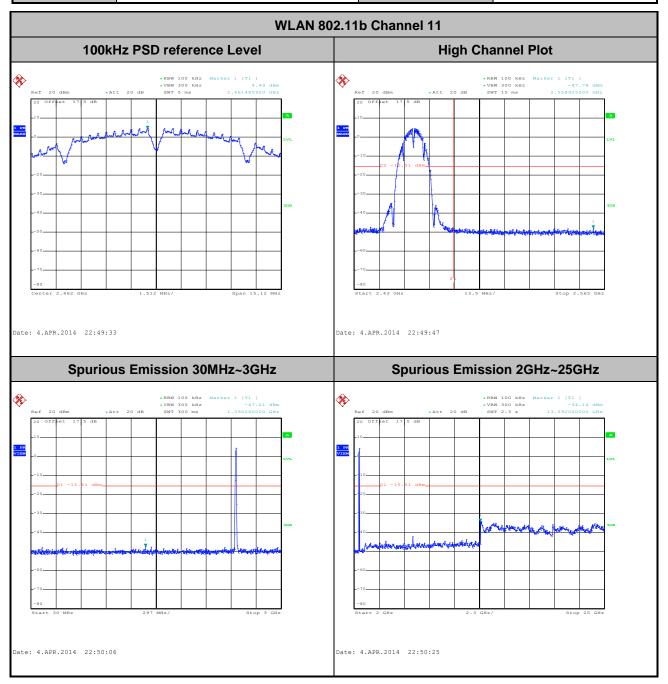
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Test Mode :	802.11b	Temperature :	24~26℃
Test Band :	2.4GHz Mid	Relative Humidity :	50~53%
Test Channel :	06	Test Engineer :	Fly Liang



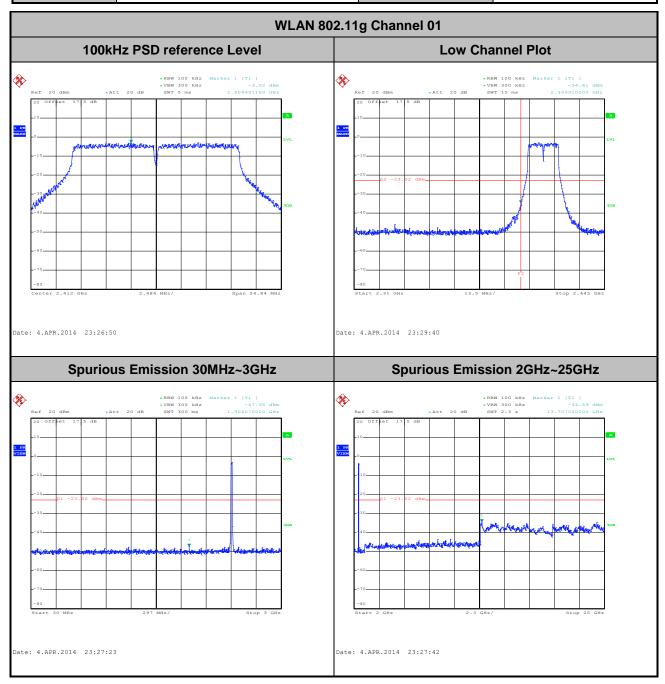
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Test Mode :	802.11b	Temperature :	24~26℃
Test Band :	2.4GHz High	Relative Humidity :	50~53%
Test Channel:	11	Test Engineer :	Fly Liang



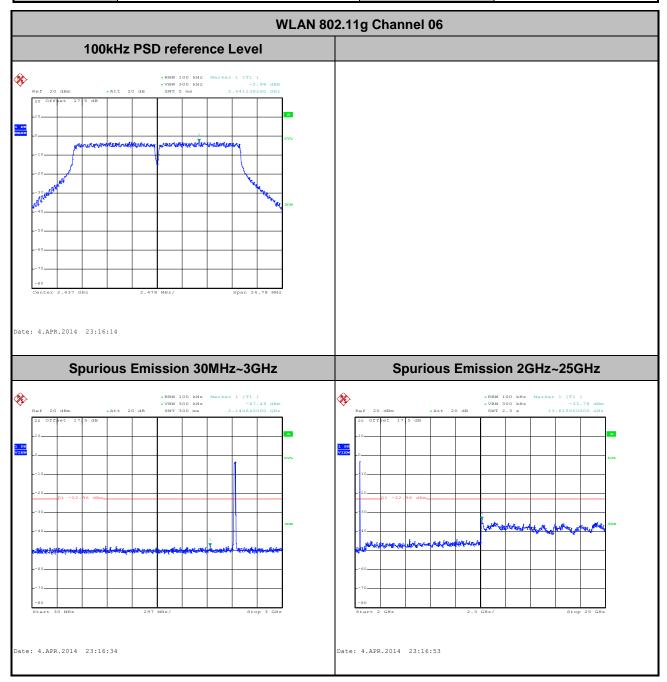
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Test Mode :	802.11g	Temperature :	24~26℃
Test Band :	2.4GHz Low	Relative Humidity :	50~53%
Test Channel:	01	Test Engineer :	Fly Liang



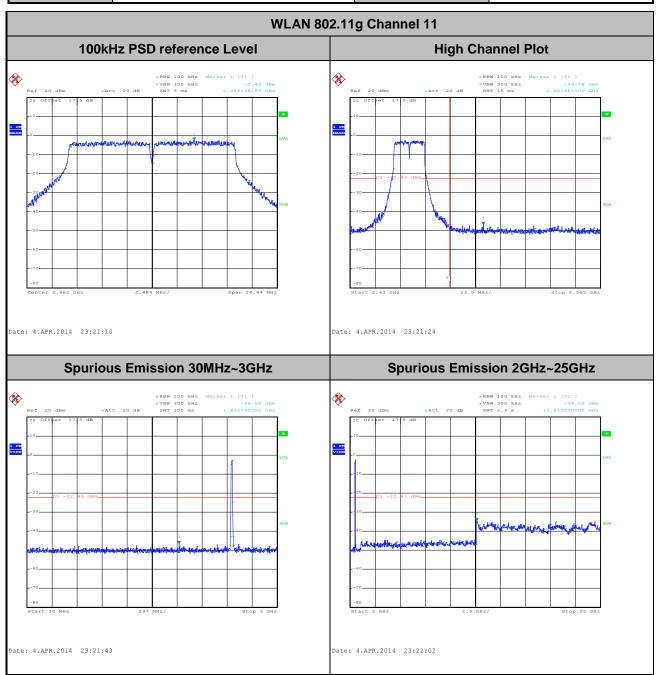
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Test Mode :	802.11g	Temperature :	24~26℃
Test Band :	2.4GHz Mid	Relative Humidity :	50~53%
Test Channel :	06	Test Engineer :	Fly Liang



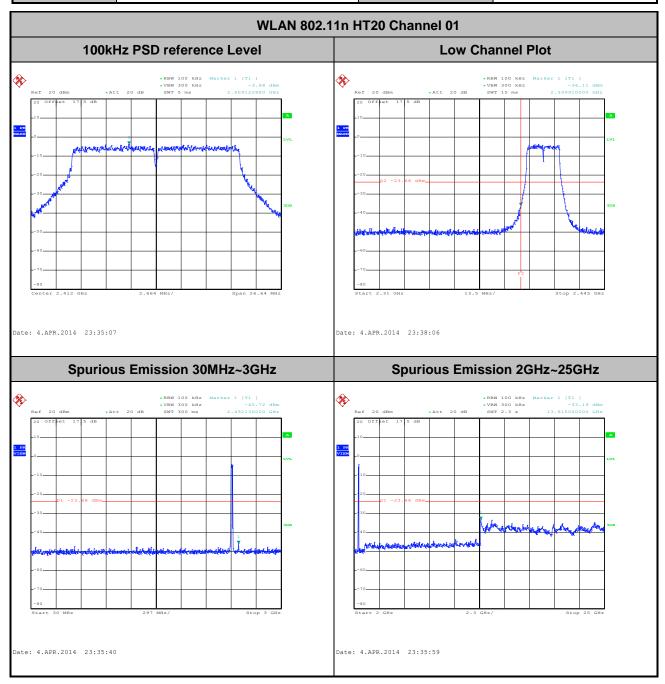
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Test Mode :	802.11g	Temperature :	24~26℃
Test Band :	2.4GHz High	Relative Humidity :	50~53%
Test Channel :	11	Test Engineer :	Fly Liang



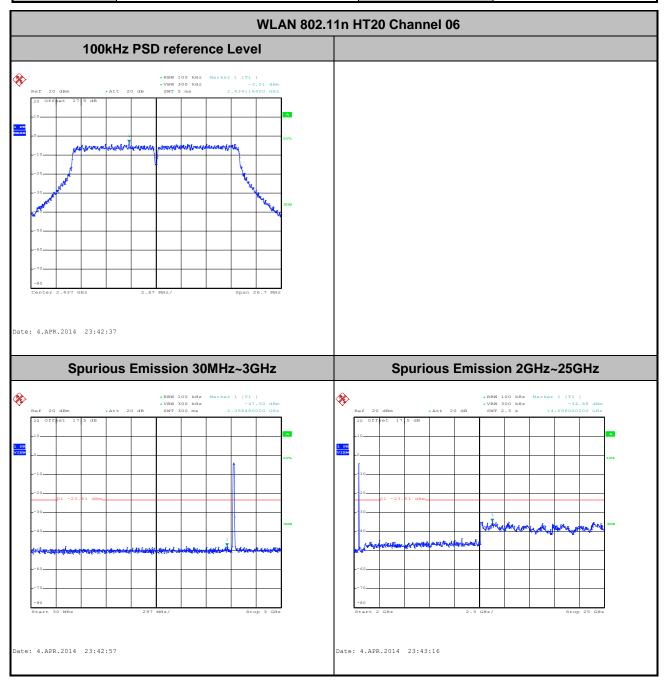
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Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Band :	2.4GHz Low	Relative Humidity :	50~53%
Test Channel:	01	Test Engineer :	Fly Liang



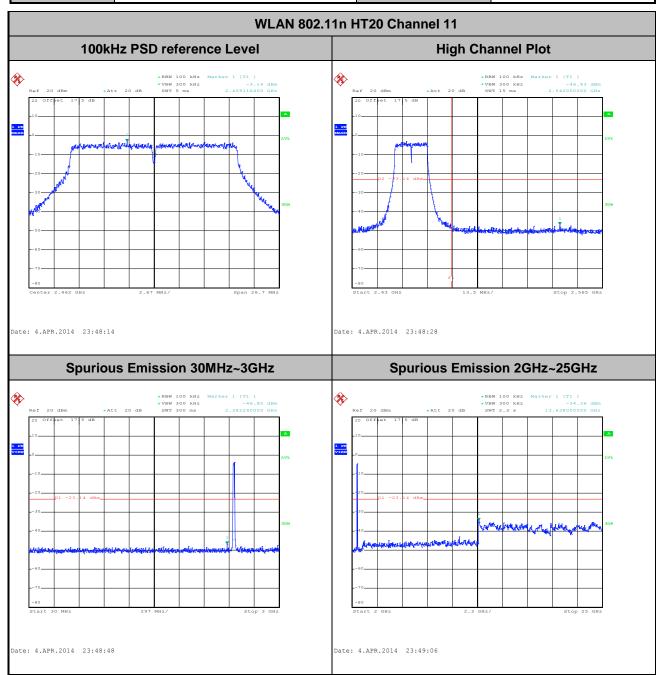
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Test Mode :	802.11n HT20	Temperature :	24~26 ℃
Test Band :	2.4GHz Mid	Relative Humidity :	50~53%
Test Channel :	06	Test Engineer :	Fly Liang



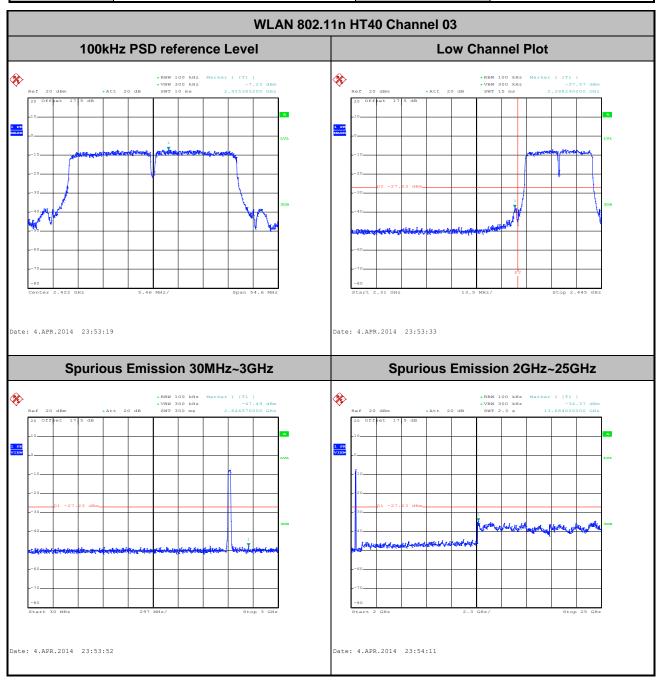
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Test Mode :	802.11n HT20	Temperature :	24~26℃
Test Band :	2.4GHz High	Relative Humidity :	50~53%
Test Channel:	11	Test Engineer :	Fly Liang



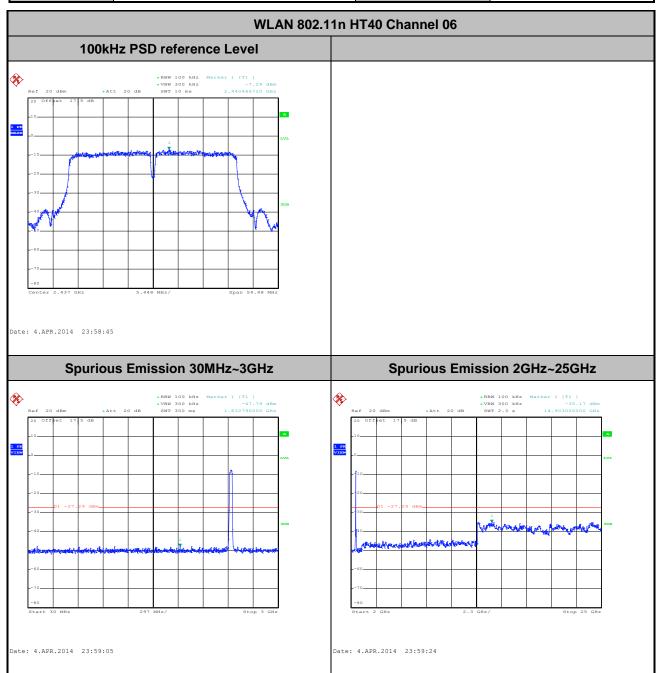
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Test Mode :	802.11n HT40	Temperature :	24~26 ℃
Test Band :	2.4GHz Low	Relative Humidity :	50~53%
Test Channel :	03	Test Engineer :	Fly Liang



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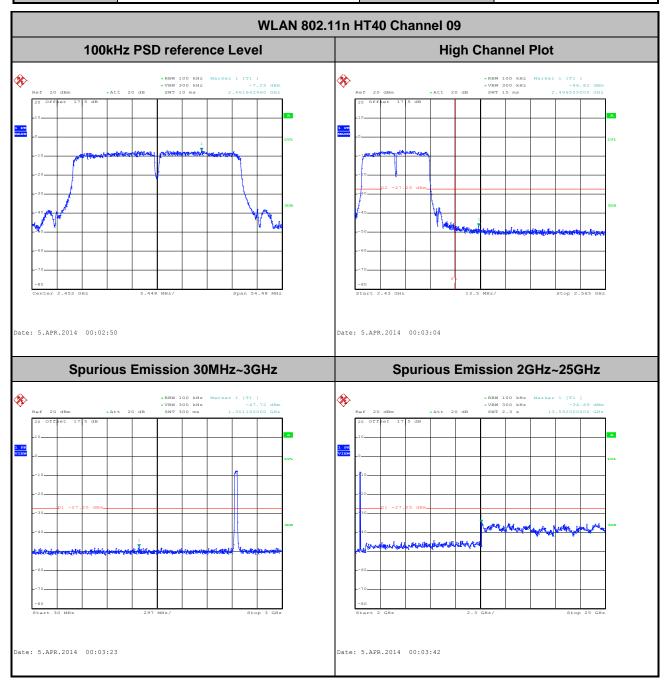
Test Mode :	802.11n HT40	Temperature :	24~26℃
Test Band :	2.4GHz Mid	Relative Humidity :	50~53%
Test Channel :	06	Test Engineer :	Fly Liang



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Test Mode :	802.11n HT40	Temperature :	24~26℃
Test Band :	2.4GHz High	Relative Humidity :	50~53%
Test Channel:	09	Test Engineer :	Fly Liang



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3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

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 measuring equipment is listed in the section 4 of this test report.

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Test Procedures 3.5.3

- 1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r01.
- 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.

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- 3. The EUT was placed on a turntable with 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna, which was mounted on the 4. 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(µs)	1/T(kHz)	VBW Setting
802.11b	100.00	-	-	10Hz
802.11g	100.00	-	-	10Hz
2.4GHz 802.11n HT20	100.00	-	-	10Hz
2.4GHz 802.11n HT40	100.00	-	-	10Hz

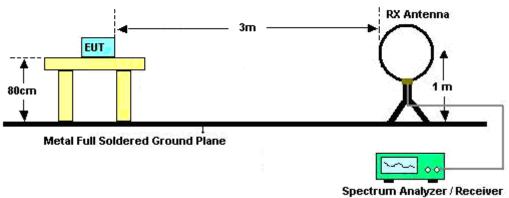
FCC ID: YHLBLUTB70PRO Report Version



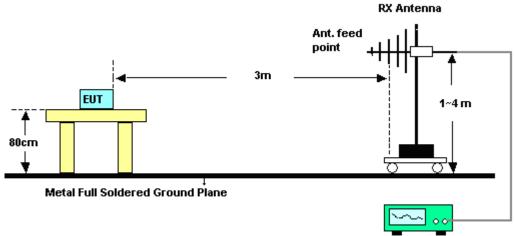
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3.5.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



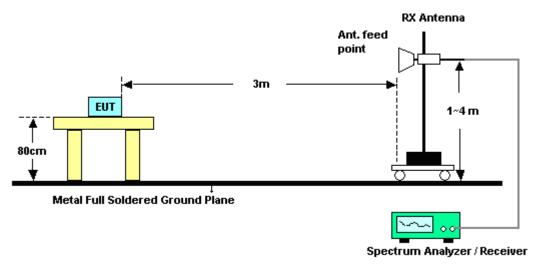
Spectrum Analyzer / Receiver

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For radiated emissions above 1GHz



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

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.

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3.5.6 Test Result of Radiated Spurious at Band Edges

Test Mode :	802.11b	Temperature :	24~25°C
Test Band :	Low	Relative Humidity :	48~49%
Test Channel :	01	Test Engineer :	Leo Liao

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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)	
2385.06	51.05	-22.95	74	41.3	31.9	5.59	27.74	108	285	Peak
2385.42	39.29	-14.71	54	29.54	31.9	5.59	27.74	108	285	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)	
2383.26	51.09	-22.91	74	41.34	31.9	5.59	27.74	110	259	Peak
2385.42	39.11	-14.89	54	29.36	31.9	5.59	27.74	110	259	Average

Test Mode :	802.11b	Temperature :	24~25°C
Test Band :	High	Relative Humidity :	48~49%
Test Channel :	11	Test Engineer :	Leo Liao

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)	
2484.31	51.63	-22.37	74	41.18	32.41	5.71	27.67	108	290	Peak
2483.50	41.42	-12.58	54	30.97	32.41	5.71	27.67	108	290	Average

ANTENNA POLARITY : VERTICAL										
Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2493.88	51.81	-22.19	74	41.22	32.5	5.74	27.65	110	262	Peak
2483.50	40.24	-13.76	54	29.79	32.41	5.71	27.67	110	262	Average

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Test Mode :	802.11g	Temperature :	24~25°C
Test Band :	Low	Relative Humidity :	48~49%
Test Channel :	01	Test Engineer :	Leo Liao

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	ANTENNA POLARITY : HORIZONTAL											
Frequency	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)			
2390.01	62.69	-11.31	74	52.81	31.98	5.62	27.72	135	284	Peak		
2388.57	46.57	-7.43	54	36.74	31.98	5.59	27.74	135	284	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)			
2389.29	58.57	-15.43	74	48.74	31.98	5.59	27.74	109	265	Peak		
2388.48	43.59	-10.41	54	33.76	31.98	5.59	27.74	109	265	Average		

Test Mode :	802.11g	Temperature :	24~25°C
Test Band :	High	Relative Humidity :	48~49%
Test Channel :	11	Test Engineer :	Leo Liao

	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)			
2484.46	64.49	-9.51	74	54.04	32.41	5.71	27.67	195	285	Peak		
2483.74	48.41	-5.59	54	37.96	32.41	5.71	27.67	195	285	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)			
2484.34	60.69	-13.31	74	50.24	32.41	5.71	27.67	110	264	Peak		
2483.80	43.76	-10.24	54	33.31	32.41	5.71	27.67	110	264	Average		

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Test Mode :	802.11n HT20	Temperature :	24~25°C
Test Band :	Low	Relative Humidity :	48~49%
Test Channel :	01	Test Engineer :	Leo Liao

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	ANTENNA POLARITY : HORIZONTAL										
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)		
2389.11	66.61	-7.39	74	56.78	31.98	5.59	27.74	108	282	Peak	
2389.02	47.78	-6.22	54	37.95	31.98	5.59	27.74	108	282	Average	

	ANTENNA POLARITY : VERTICAL											
Frequency	requency 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)			
2389.47	64.02	-9.98	74	54.19	31.98	5.59	27.74	110	260	Peak		
2388.93	44.13	-9.87	54	34.3	31.98	5.59	27.74	110	260	Average		

Test Mode :	802.11n HT20	Temperature :	24~25°C
Test Band :	High	Relative Humidity :	48~49%
Test Channel :	11	Test Engineer :	Leo Liao

	ANTENNA POLARITY : HORIZONTAL											
Frequency												
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)			
2484.10	67.03	-6.97	74	56.58	32.41	5.71	27.67	108	289	Peak		
2484.16	50.45	-3.55	54	40	32.41	5.71	27.67	108	289	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)			
2484.04	62.22	-11.78	74	51.77	32.41	5.71	27.67	110	260	Peak		
2483.50	45.65	-8.35	54	35.2	32.41	5.71	27.67	110	260	Average		

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Test Mode :	802.11n HT40	Temperature :	24~25°C
Test Band :	Low	Relative Humidity :	48~49%
Test Channel :	03	Test Engineer :	Leo Liao

	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)					
2387.94	64.62	-9.38	74	54.79	31.98	5.59	27.74	108	280	Peak				
2387.22	48.05	-5.95	54	38.22	31.98	5.59	27.74	108	280	Average				
2485.75	52.34	-21.66	74	41.89	32.41	5.71	27.67	108	280	Peak				
2484.55	40.18	-13.82	54	29.73	32.41	5.71	27.67	108	280	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)					
2388.48	61.76	-12.24	74	51.93	31.98	5.59	27.74	110	260	Peak				
2388.12	44.29	-9.71	54	34.46	31.98	5.59	27.74	110	260	Average				
2485.12	51.62	-22.38	74	41.17	32.41	5.71	27.67	110	260	Peak				
2487.91	39.73	-14.27	54	29.19	32.5	5.71	27.67	110	260	Average				

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Test Mode :	802.11n HT40	Temperature :	24~25°C
Test Band :	High	Relative Humidity :	48~49%
Test Channel :	09	Test Engineer :	Leo Liao

	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)					
2385.42	51.58	-22.42	74	41.83	31.9	5.59	27.74	108	260	Peak				
2385.24	39.33	-14.67	54	29.58	31.9	5.59	27.74	108	260	Average				
2487.46	63.38	-10.62	74	52.93	32.41	5.71	27.67	108	260	Peak				
2485.75	47.06	-6.94	54	36.61	32.41	5.71	27.67	108	260	Average				

	ANTENNA POLARITY : VERTICAL												
Frequency	Level	Over	Limit	Read	Antenna	Antenna Cable Preamp			Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)				
2329.26	51.31	-22.69	74	41.92	31.64	5.53	27.78	110	263	Peak			
2387.31	39.41	-14.59	54	29.58	31.98	5.59	27.74	110	263	Average			
2487.31	62.63	-11.37	74	52.18	32.41	5.71	27.67	110	263	Peak			
2486.68	46.03	-7.97	54	35.58	32.41	5.71	27.67	110	263	Average			

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

Note: Pre-scanned all test modes and only choose the worst case mode recorded in the test report for radiated spurious emission below 1GHz.

Test Mode :	802.	.11b	Temperature :	24~25°C
Test Channel :	01		Relative Humidity :	48~49%
Test Engineer :	Leo	Liao	Polarization :	Horizontal
	1.	2412 MHz is fundamer	ntal signal which can be	e ignored.
Remark :	2.	Average measuremen	t was not performed if	peak level went lower than the
		average limit.		

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)	
2412	85.34	-	-	75.37	32.07	5.62	27.72	108	285	Peak
2412	83.11	-	-	73.14	32.07	5.62	27.72	108	285	Average
4824	48.05	-25.95	74	63.13	33.82	8.36	57.26	110	115	Peak

Test Mode :	802.11b	Temperature :	24~25°C				
Test Channel :	01	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Vertical				
	1. 2412 MHz is fundamenta	al signal which can be	ignored.				
Remark: 2. Average measurement was not performed if peak level went lower							
	average limit.						

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)	
2412	80.82	-	-	70.85	32.07	5.62	27.72	110	259	Peak
2412	78.87	-	-	68.9	32.07	5.62	27.72	110	259	Average
4824	47.79	-26.21	74	62.87	33.82	8.36	57.26	110	115	Peak

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Test Mode :	802.11b	Temperature :	24~25°C
Test Channel :	06	Relative Humidity :	48~49%
Test Engineer :	Leo Liao	Polarization :	Horizontal
	1. 2437 MHz is fundament	al signal which can be	ignored.
Remark :	2. Average measurement	was not performed if	peak level went lower than the
	average limit.		

F	requency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
	2437	84.65	-	-	74.47	32.24	5.65	27.71	108	284	Peak
	2437	82.97	-	-	72.79	32.24	5.65	27.71	108	284	Average
	4874	46.13	-27.87	74	60.96	33.93	8.41	57.17	195	245	Peak
	7311	37.07	-36.93	74	50.35	33.89	9.99	57.16	132	287	Peak

Test Mode :	802.11b	Temperature :	24~25°C				
Test Channel :	06	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Vertical				
	1. 2437 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)		(dBµV/m)		(dB)	(dB)	(dB)	(cm)	(deg)	
2437	80.84	-	-	70.66	32.24	5.65	27.71	110	262	Peak
2437	78.44	-	-	68.26	32.24	5.65	27.71	110	262	Average
4874	49.51	-24.49	74	64.34	33.93	8.41	57.17	195	245	Peak
7311	37.59	-36.41	74	50.87	33.89	9.99	57.16	132	287	Peak

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Test Mode :	802.11b	Temperature :	24~25°C				
Test Channel :	11	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2462 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2462	83.89	-	-	73.57	32.33	5.68	27.69	108	290	Peak
2462	81.67	-	-	71.35	32.33	5.68	27.69	108	290	Average
4924	48.17	-25.83	74	62.74	34.05	8.46	57.08	178	139	Peak
7386	37.38	-36.62	74	50.47	33.94	10.02	57.05	150	220	Peak

Test Mode :	802.11b	Temperature :	24~25°C				
Test Channel :	11	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Vertical				
	1. 2462 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2462	80.97	-	-	70.65	32.33	5.68	27.69	110	262	Peak
2462	78.64	-	-	68.32	32.33	5.68	27.69	110	262	Average
4924	53.17	-20.83	74	67.74	34.05	8.46	57.08	100	268	Peak
4924	50.42	-3.58	54	64.99	34.05	8.46	57.08	100	268	Average
7386	36.14	-37.86	74	49.23	33.94	10.02	57.05	100	0	Peak

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Test Mode :	802.11g	Temperature :	24~25°C					
Test Channel :	01	Relative Humidity :	48~49%					
Test Engineer :	Leo Liao	Polarization :	Horizontal					
	1. 2412 MHz is fundament	2412 MHz is fundamental signal which can be ignored.						
Remark :	2. Average measurement was not performed if peak level went lower than the							
	average limit.							

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)	
2412	87.71	-	-	77.74	32.07	5.62	27.72	135	284	Peak
2412	78.39	-	-	68.42	32.07	5.62	27.72	135	284	Average
4824	46.63	-27.37	74	61.71	33.82	8.36	57.26	110	115	Peak

Test Mode :	802.11g	Temperature :	24~25°C					
Test Channel :	01	Relative Humidity :	48~49%					
Test Engineer :	Leo Liao	Polarization :	Vertical					
	1. 2412 MHz is fundament	2412 MHz is fundamental signal which can be ignored.						
Remark :	2. Average measurement was not performed if peak level went lower than the							
	average limit.							

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)	
2412	83.44	-	-	73.47	32.07	5.62	27.72	109	265	Peak
2412	74.32	-	-	64.35	32.07	5.62	27.72	109	265	Average
4824	50.16	-23.84	74	65.24	33.82	8.36	57.26	110	115	Peak

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Test Mode :	802.11g	Temperature :	24~25°C				
Test Channel :	06	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2437 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2437	87.41	-	-	77.23	32.24	5.65	27.71	194	285	Peak
2437	78.33	-	-	68.15	32.24	5.65	27.71	194	285	Average
4874	50.67	-23.33	74	65.5	33.93	8.41	57.17	195	245	Peak
7311	37.65	-36.35	74	50.93	33.89	9.99	57.16	132	287	Peak

Test Mode :	802.11g	Temperature :	24~25°C				
Test Channel :	06	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Vertical				
	1. 2437 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement	was not performed if	peak level went lower than the				
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)		(dBµV/m)		(dB)	(dB)	(dB)	(cm)	(deg)	
2437	84.52	-	-	74.34	32.24	5.65	27.71	110	262	Peak
2437	74.75	-	-	64.57	32.24	5.65	27.71	110	262	Average
4874	50.23	-23.77	74	65.06	33.93	8.41	57.17	195	245	Peak
7311	36.75	-37.25	74	50.03	33.89	9.99	57.16	132	287	Peak

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Test Mode :	802.11g	Temperature :	24~25°C				
Test Channel :	11	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2462 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement	was not performed if	peak level went lower than the				
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2462	87.57	-	-	77.25	32.33	5.68	27.69	195	285	Peak
2462	77.74	-	-	67.42	32.33	5.68	27.69	195	285	Average
4924	47.72	-26.28	74	62.29	34.05	8.46	57.08	178	139	Peak
7386	36.97	-37.03	74	50.06	33.94	10.02	57.05	150	220	Peak

Test Mode :	802	.11g	Temperature :	24~25°C				
Test Channel :	11		Relative Humidity :	48~49%				
Test Engineer :	Leo	Liao	Polarization :	Vertical				
	1.	2462 MHz is fundament	al signal which can be	ignored.				
Remark :	2.	Average measurement	was not performed if	peak level went lower than the				
		average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)		(dBµV/m)		(dB)	(dB)	(dB)	(cm)		
2462	83.61	-	-	73.29	32.33	5.68	27.69	110	264	Peak
2462	73.8	-	-	63.48	32.33	5.68	27.69	110	264	Average
4924	50.15	-23.85	74	64.72	34.05	8.46	57.08	178	139	Peak
7386	36.52	-37.48	74	49.61	33.94	10.02	57.05	150	220	Peak

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Test Mode :	2.4GHz 802.11n HT20	Temperature :	24~25°C				
Test Channel :	01	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2412 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement	was not performed if	peak level went lower than the				
	average limit.						

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)	
2412	88.25	-	-	78.28	32.07	5.62	27.72	108	282	Peak
2412	78.01	-	-	68.04	32.07	5.62	27.72	108	282	Average
4824	49.27	-24.73	74	64.35	33.82	8.36	57.26	110	115	Peak

Test Mode :	2.4GHz 802.11n HT20	Temperature :	24~25°C					
Test Channel :	01	Relative Humidity :	48~49%					
Test Engineer :	Leo Liao	Polarization :	Vertical					
	1. 2412 MHz is fundament	tal signal which can be	ignored.					
Remark :	2. Average measurement	was not performed if	peak level went lower than the					
	average limit.	average limit.						

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)	
2412	84.03	-	-	74.06	32.07	5.62	27.72	110	260	Peak
2412	74.44	-	-	64.47	32.07	5.62	27.72	110	260	Average
4824	49.13	-24.87	74	64.21	33.82	8.36	57.26	110	115	Peak

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Test Mode :	2.4GHz 802.11n HT20	Temperature :	24~25°C				
Test Channel :	06	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2437 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement	was not performed if	peak level went lower than the				
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2437	87.59	-	-	77.41	32.24	5.65	27.71	108	289	Peak
2437	77.77	-	-	67.59	32.24	5.65	27.71	108	289	Average
4874	48.08	-25.92	74	62.91	33.93	8.41	57.17	195	245	Peak
7311	37.46	-36.54	74	50.74	33.89	9.99	57.16	132	287	Peak

Test Mode :	2.4GHz 802.11n HT20	Temperature :	24~25°C				
Test Channel :	06	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Vertical				
	1. 2437 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)		(dBµV/m)		(dB)	(dB)	(dB)	(cm)	(deg)	
2437	84.37	-	-	74.19	32.24	5.65	27.71	110	260	Peak
2437	74.21	-	-	64.03	32.24	5.65	27.71	110	260	Average
4874	50.52	-23.48	74	65.35	33.93	8.41	57.17	195	245	Peak
7311	38.02	-35.98	74	51.3	33.89	9.99	57.16	132	287	Peak

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Test Mode :	2.4GHz 802.11n HT20	Temperature :	24~25°C				
Test Channel :	11	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2462 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

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)	
98.87	28.76	-14.74	43.5	46.44	11.01	1.25	29.94	-	-	Peak
197.81	36.1	-7.40	43.5	55.33	9.02	1.69	29.94	200	0	Peak
296.75	34.47	-11.53	46	50.06	12.33	2.01	29.93	-	-	Peak
395.69	31.94	-14.06	46	43.85	15.74	2.28	29.93	-	-	Peak
693.48	24.26	-21.74	46	32.55	18.68	2.96	29.93	-	-	Peak
891.36	26.84	-19.16	46	33.02	20.44	3.32	29.94	-	-	Peak
2462	87.06	-	-	76.74	32.33	5.68	27.69	108	289	Peak
2462	77.12	-	-	66.8	32.33	5.68	27.69	108	289	Average
4924	46.81	-27.19	74	61.38	34.05	8.46	57.08	178	139	Peak
7386	36.46	-37.54	74	49.55	33.94	10.02	57.05	150	220	Peak

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Test Mode :	2.4GHz 802.11n HT20	Temperature :	24~25°C					
Test Channel :	11	Relative Humidity :	48~49%					
Test Engineer :	Leo Liao	Polarization :	Vertical					
	1. 2462 MHz is fundament	2462 MHz is fundamental signal which can be ignored.						
Remark :	2. Average measurement was not performed if peak level went lower than the							
	average limit.							

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)	
98.87	23.83	-19.67	43.5	41.51	11.01	1.25	29.94	-	-	Peak
197.81	28.36	-15.14	43.5	47.59	9.02	1.69	29.94	-	-	Peak
395.69	31.62	-14.38	46	43.53	15.74	2.28	29.93	100	0	Peak
594.54	23.26	-22.74	46	31.99	18.44	2.75	29.92	-	-	Peak
818.61	24.4	-21.60	46	30.73	20.4	3.2	29.93	-	-	Peak
964.11	24.99	-29.01	54	30.19	21.3	3.44	29.94	-	-	Peak
2462	83.06	-	-	72.74	32.33	5.68	27.69	110	260	Peak
2462	73.34	-	-	63.02	32.33	5.68	27.69	110	260	Average
4924	50.49	-23.51	74	65.06	34.05	8.46	57.08	178	139	Peak
7386	37.62	-36.38	74	50.71	33.94	10.02	57.05	150	220	Peak

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Test Mode :	2.4GHz 802.11n HT40	Temperature :	24~25°C				
Test Channel :	03	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2422 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2422	84.64	-	-	74.54	32.16	5.65	27.71	108	280	Peak
2422	73.3	-	-	63.2	32.16	5.65	27.71	108	280	Average
4844	45.89	-28.11	74	60.88	33.86	8.38	57.23	178	160	Peak
7266	36.88	-37.12	74	50.23	33.87	9.98	57.2	177	245	Peak

Test Mode :	2.4GHz 802.11n HT40	Temperature :	24~25°C					
Test Channel :	03	Relative Humidity :	48~49%					
Test Engineer :	Leo Liao	Polarization :	Vertical					
	1. 2422 MHz is fundament	2422 MHz is fundamental signal which can be ignored.						
Remark :	2. Average measurement was not performed if peak level went lower than the							
	average limit.							

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)		(dBµV/m)		(dB)	Loss (dB)	(dB)	(cm)		
2422	80.68	-	-	70.58	32.16	5.65	27.71	110	260	Peak
2422	69.13	-	-	59.03	32.16	5.65	27.71	110	260	Average
4844	44.56	-29.44	74	59.55	33.86	8.38	57.23	178	160	Peak
7266	36.57	-37.43	74	49.92	33.87	9.98	57.2	177	245	Peak

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Test Mode :	2.4GHz 802.11n HT40	Temperature :	24~25°C				
Test Channel :	06	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2437 MHz is fundament	al signal which can be	ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Freque	ency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MH	lz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
243	37	84.34	-	-	74.16	32.24	5.65	27.71	108	289	Peak
243	37	73.43	-	-	63.25	32.24	5.65	27.71	108	289	Average
487	' 4	44	-30.00	74	58.83	33.93	8.41	57.17	158	318	Peak
731	11	37.28	-36.72	74	50.56	33.89	9.99	57.16	148	265	Peak

Test Mode :	2.4GHz 802.11n HT40	Temperature :	24~25°C			
Test Channel :	06	Relative Humidity :	48~49%			
Test Engineer :	Leo Liao	Polarization :	Vertical			
	1. 2437 MHz is fundament	2437 MHz is fundamental signal which can be ignored.				
Remark :	2. Average measurement was not performed if peak level went lower					
average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)		(dBµV/m)		(dB)	(dB)	(dB)	(cm)	(deg)	
2437	81.16	-	-	70.98	32.24	5.65	27.71	110	260	Peak
2437	69.77	-	-	59.59	32.24	5.65	27.71	110	260	Average
4874	44.62	-29.38	74	59.45	33.93	8.41	57.17	158	318	Peak
7311	37.31	-36.69	74	50.59	33.89	9.99	57.16	148	265	Peak

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Test Mode :	2.4GHz 802.11n HT40	Temperature :	24~25°C				
Test Channel :	09	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao	Polarization :	Horizontal				
	1. 2452 MHz is fundament	2452 MHz is fundamental signal which can be ignored.					
Remark :	2. Average measurement was not performed if peak level went lower than the						
	average limit.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dB)	(dB)	(cm)	(deg)	
2452	80.85	-	-	70.62	32.24	5.68	27.69	108	260	Peak
2452	69.58	-	-	59.35	32.24	5.68	27.69	108	260	Average
4904	45.35	-28.65	74	60.01	34.01	8.44	57.11	170	215	Peak
7356	37.54	-36.46	74	50.71	33.92	10.01	57.1	163	28	Peak

Test Mode :	2.4GHz 802.11n HT40	Temperature :	24~25°C			
Test Channel :	09	Relative Humidity :	48~49%			
Test Engineer :	Leo Liao	Polarization :	Vertical			
	1. 2452 MHz is fundament	2452 MHz is fundamental signal which can be ignored.				
Remark :	2. Average measurement was not performed if peak level went lower than					

Frequency	Level	Over Limit	Limit	Read	Antenna	Cable	Preamp	Ant		Remark
(MHz)	(dBµV/m)		Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	
2452	80.25	-	-	70.02	32.24	5.68	27.69	110	263	Peak
2452	69.68	-	-	59.45	32.24	5.68	27.69	110	263	Average
4904	46.09	-27.91	74	60.75	34.01	8.44	57.11	170	215	Peak
7356	37.83	-36.17	74	51	33.92	10.01	57.1	163	28	Peak

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3.6 AC Conducted Emission Measurement

Limit of AC Conducted Emission 3.6.1

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 (dBμV)				
(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 measuring equipment is listed in the section 4 of this test report.

Test Procedures 3.6.3

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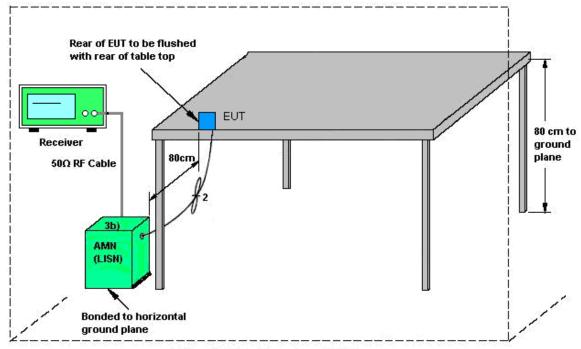
- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to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

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3.6.4 Test Setup



AMN = Artificial mains network (LISN)

AE = Associated equipment

EUT = Equipment under test

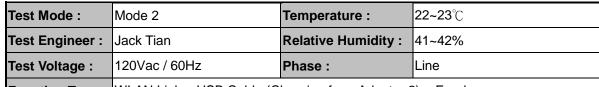
ISN = Impedance stabilization network

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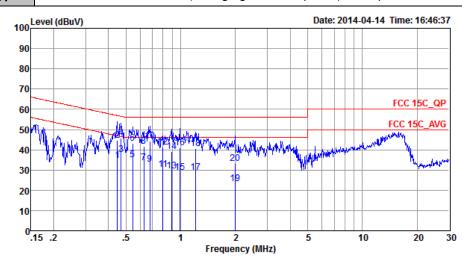
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3.6.5 Test Result of AC Conducted Emission



Function Type: | WLAN Link + USB Cable (Charging from Adapter 2) + Earphone



Site : CO01-SZ

Condition: FCC 15C_QP LISN_L_20140304 LINE

Project : (FR) 432015 Mode : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu₹	dB	dBu₹	dBu₹	dB	dB	
1	0.45		-12.34	46.89	24.10	0.29	10.16	Average
2	0.45	44.75	-12.14	56.89	34.30	0.29	10.16	QP
3 *	0.47	37.75	-8.74	46.49	27.29	0.30	10.16	Average
4	0.47	45.75	-10.74	56.49	35.29	0.30	10.16	QP
5	0.54	35.02	-10.98	46.00	24.60	0.27	10.15	Average
6	0.54	43.22	-12.78	56.00	32.80	0.27	10.15	QP
7	0.63	33.57	-12.43	46.00	23.20	0.22	10.15	Average
8	0.63	41.87	-14.13	56.00	31.50	0.22	10.15	QP
9	0.68	32.84	-13.16	46.00	22.50	0.19	10.15	Average
10	0.68	44.34	-11.66	56.00	34.00	0.19	10.15	QP
11	0.80	30.36	-15.64	46.00	20.00	0.21	10.15	Average
12	0.80	41.36	-14.64	56.00	31.00	0.21	10.15	QP
13	0.89	29.38	-16.62	46.00	19.00	0.23	10.15	Average
14	0.89	39.18	-16.82	56.00	28.80	0.23	10.15	QP
15	0.99	28.71	-17.29	46.00	18.30	0.26	10.15	Average
16	0.99	41.01	-14.99	56.00	30.60	0.26		
17	1.20	28.81	-17.19	46.00	18.40	0.25	10.16	Average
18	1.20	40.71	-15.29	56.00	30.30	0.25		
19	1.99	23.41	-22.59	46.00	13.00	0.22	10.19	Average
20	1.99	33.21	-22.79	56.00	22.80	0.22	10.19	QP

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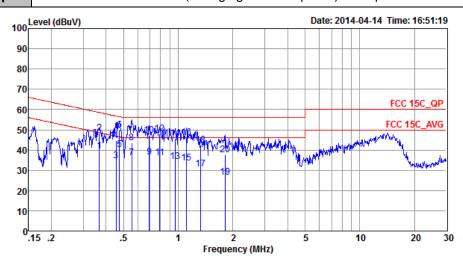


 Test Mode :
 Mode 2
 Temperature :
 22~23℃

 Test Engineer :
 Jack Tian
 Relative Humidity :
 41~42%

 Test Voltage :
 120Vac / 60Hz
 Phase :
 Neutral

Function Type: | WLAN Link + USB Cable (Charging from Adapter 2) + Earphone



Site : CO01-SZ

Condition: FCC 15C_QP LISN_N_20140304 NEUTRAL

Project : (FR) 432015 Mode : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBu₹	dB	dBu₹	dBu₹	dB	dB	
1	0.37	39.36	-9.20	48.56	28.80	0.38	10.18	Average
2	0.37	48.26	-10.30	58.56	37.70	0.38	10.18	QP
3	0.45	34.66	-12.14	46.80	24.10	0.40	10.16	Average
4	0.45	44.56	-12.24	56.80	34.00	0.40	10.16	QP
5 *	0.47	40.26	-6.19	46.45	29.69	0.41	10.16	Average
6	0.47	49.66	-6.79	56.45	39.09	0.41	10.16	QP
7	0.56	36.11	-9.89	46.00	25.60	0.36	10.15	Average
8	0.56	43.61	-12.39	56.00	33.10	0.36	10.15	QP
9	0.69	36.60	-9.40	46.00	26.20	0.25	10.15	Average
10	0.69	47.30	-8.70	56.00	36.90	0.25	10.15	QP
11	0.79	36.33	-9.67	46.00	25.90	0.28	10.15	Average
12	0.79	48.13	-7.87	56.00	37.70	0.28	10.15	QP
13	0.96	34.27	-11.73	46.00	23.80	0.32	10.15	Average
14	0.96	45.77	-10.23	56.00	35.30	0.32	10.15	QP
15	1.11	33.69	-12.31	46.00	23.19	0.34	10.16	Average
16	1.11	46.09	-9.91	56.00	35.59	0.34	10.16	QP
17	1.32	30.51	-15.49	46.00	19.99	0.35	10.17	Average
18	1.32	42.51	-13.49	56.00	31.99	0.35	10.17	QP
19	1.81	26.55	-19.45	46.00	16.01	0.36	10.18	Average
20	1.81		-18.35	56.00	27.11	0.36	10.18	_

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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. 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 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.	Characteristic s	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP30	101400	9kHz~30GHz	Mar. 03, 2014	Apr. 04, 2014~ Apr. 05, 2014	Mar. 02, 2015	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	13dBm~-20dB m	Mar. 03, 2014	Apr. 04, 2014~ Apr. 05, 2014	Mar. 02, 2015	Conducted (TH01-SZ)
Power Sensor	Anritsu	MA2411B	1207253	0.3GHz~40GH z	Mar. 03, 2014	Apr. 04, 2014~ Apr. 05, 2014	Mar. 02, 2015	Conducted (TH01-SZ)
Signal Analyzer	R&S	FSV40	101078	10Hz~40GHz	Jun. 17, 2013	Apr. 15, 2014	Jun. 16, 2014	Radiation (03CH01-SZ)
Bilog Antenna	SCHAFFNER	CBL6112B	2614	30MHz~2GHz	Dec. 23, 2013	Apr. 15, 2014	Dec. 22, 2014	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 26, 2013	Apr. 15, 2014	Oct. 25, 2014	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3000MH z	Feb. 21, 2014	Apr. 15, 2014	Feb. 20, 2015	Radiation (03CH01-SZ)
Amplifier	Agilent	83017A	MY39501302	3Hz~26.5GHz	Mar. 03, 2014	Apr. 15, 2014	Mar. 02, 2015	Radiation (03CH01-SZ)
Turn Table	EM Electronics	EM 1000	N/A	0~360 degree	NCR	Apr. 15, 2014	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM Electronics	EM 1000	N/A	1 m~4 m	NCR	Apr. 15, 2014	NCR	Radiation (03CH01-SZ)
ESCIO TEST Receiver	R&S	ESCI	100724	9kHz~3GHz	Feb. 21, 2014	Apr. 14, 2014	Feb. 20, 2015	Conduction (CO01-SZ)
AC LISN	EMCO	3816/2SH	00103912	9kHz~30MHz	Mar. 04, 2014	Apr. 14, 2014	Mar. 03, 2015	Conduction (CO01-SZ)
AC LISN (for auxiliary equipment)	EMCO	3816/2SH	00103892	9kHz~30MHz	Mar. 04, 2014	Apr. 14, 2014	Mar. 03, 2015	Conduction (CO01-SZ)
AC Power Source	Chroma	61602	61602000089 1	100Vac~250Va c	Dec. 17, 2013	Apr. 14, 2014	Dec. 16, 2014	Conduction (CO01-SZ)

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5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of	2.24
Confidence of 95% (U = 2Uc(y))	2.31

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

Measuring Uncertainty for a Level of	3.90
Confidence of 95% (U = 2Uc(y))	3.90

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