

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC167073

1 of 67 Page:

FCC Radio Test Report FCC ID: 2AKBP-Q10CWM

Original Grant

Report No. TB-FCC167073

Shenzhen Hysiry Technology Co., Ltd. **Applicant**

Equipment Under Test (EUT)

EUT Name Smart bulb

Model No. Q10CWM

Series Model No. N/A

HUSIRU **Brand Name**

Receipt Date 2019-07-02

2019-07-03 to 2019-07-17 **Test Date**

Issue Date 2019-07-18

Standards FCC Part 15, Subpart C (15.247: 2018)

ANSI C63.10: 2013 **Test Method**

Conclusions **PASS**

In the configuration tested, the EUT complied with the standards specified above,

The EUT technically complies with the FCC and IC requirements

Test/Witness Engineer

Test/Witness Engineer :

WAN SU foy Lai. Approved& **Authorized**

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0

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Report No.: TB-FCC167073
Page: 2 of 67



Contents

CON	ITENTS	2
1.	GENERAL INFORMATION ABOUT EUT	5
	1.1 Client Information	5
	1.2 General Description of EUT (Equipment Under Test)	5
	1.3 Block Diagram Showing the Configuration of System Tested	6
	1.4 Description of Support Units	6
	1.5 Description of Test Mode	6
	1.6 Description of Test Software Setting	8
	1.7 Measurement Uncertainty	8
	1.8 Test Facility	9
2.	TEST SUMMARY	10
3.	TEST EQUIPMENT	11
4.	CONDUCTED EMISSION TEST	12
	4.1 Test Standard and Limit	12
	4.2 Test Setup	
	4.3 Test Procedure	
	4.4 EUT Operating Mode	13
	4.5 Test Data	13
5.	RADIATED EMISSION TEST	14
	5.1 Test Standard and Limit	14
	5.2 Test Setup	
	5.3 Test Procedure	
	5.4 EUT Operating Condition	17
	5.5 Test Data	17
6.	RESTRICTED BANDS REQUIREMENT	18
	6.1 Test Standard and Limit	18
	6.2 Test Setup	18
	6.3 Test Procedure	18
	6.4 EUT Operating Condition	19
	6.5 Test Data	
7.	BANDWIDTH TEST	20
	7.1 Test Standard and Limit	20
	7.2 Test Setup	20
	7.3 Test Procedure	20
	7.4 EUT Operating Condition	20
	7.5 Test Data	20
8.	PEAK OUTPUT POWER TEST	21
	8.1 Test Standard and Limit	



Page: 3 of 67

	8.2 Test Setup	21
	8.3 Test Procedure	
	8.4 EUT Operating Condition	
	8.5 Test Data	21
9.	POWER SPECTRAL DENSITY TEST	
	9.1 Test Standard and Limit	
	9.2 Test Setup	
	9.3 Test Procedure	22
	9.4 EUT Operating Condition	
	9.5 Test Data	22
10.	ANTENNA REQUIREMENT	
	10.1 Standard Requirement	23
	10.2 Antenna Connected Construction	
ATT	ACHMENT A CONDUCTED EMISSION TEST DATA	
	ACHMENT C RESTRICTED BANDS REQUIREMENT AND BAND-ED	
	ACHMENT D BANDWIDTH TEST DATA	
	ACHMENT E PEAK OUTPUT POWER TEST DATA	
	ACHMENT F POWER SPECTRAL DENSITY TEST DATA	



Page: 4 of 67

Revision History

Report No.	Version	Description	Issued Date
TB-FCC167073	Rev.01	Initial issue of report	2019-07-18
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Page: 5 of 67

1. General Information about EUT

1.1 Client Information

Applicant : Shenzhen Hysiry Technology Co., Ltd.			
Address : 2403D, 24th Floor, Coast Huanqii Town Community, Futian Street, F		2403D, 24th Floor, Coast Huanqing Building, No.24 Futian Road, Xu Town Community, Futian Street, Futian District, Shenzhen	
Manufacturer		Shenzhen Hysiry Technology Co., Ltd.	
Address		2403D, 24th Floor, Coast Huanqing Building, No.24 Futian Road, Xu Town Community, Futian Street, Futian District, Shenzhen	

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	SMART Bulb				
Models No.		Q10CWM	Q10CWM			
Model Different		N/A				
CHILL		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz			
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)			
		RF Output Power:	802.11b: 2.021dBm 802.11g: 2.081dBm 802.11n (HT20): 1.891dBm			
Product		Antenna Gain:	1.7dBi PCB Antenna			
Description		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)			
		Bit Rate of Transmitter:	802.11b:11/5.5/2/1 Mbps 802.11g:54/48/36/24/18/12/9/6 Mbps 802.11n:up to 150Mbps			
Power Supply	:	AC Voltage supplied				
Power Rating	Ŀ	Input: AC 100~240V, 5	0/60Hz			
Software Version	:	1.0				
Hardware Version						
Connecting I/O Port(S)		Please refer to the Use	er's Manual			

Note:

(1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 DTS Meas Guidance v05.



Page: 6 of 67

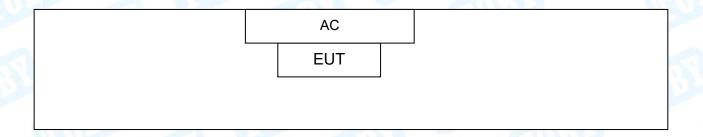
(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	
01	2412	05	2432	09	2452	
02	2417	06	2437	10	2457	
03	2422	07	2442	11	2462	
04	2427	08	2447			
Note: CH 01~CH 11 for 802.11b/g/n(HT20)						

(4) The Antenna information about the equipment is provided by the applicant.

1.3 Block Diagram Showing the Configuration of System Tested



1.4 Description of Support Units

The EUT has been tested as an independent unit.

1.5 Description of Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned follow was evaluated respectively.

For Conducted Test				
Final Test Mode Description				
Mode 1	Normal Working with TX B Mode			



Page: 7 of 67

For Radiated Test				
Final Test Mode Description				
Mode 2	TX Mode B Mode Channel 01/06/11			
Mode 3	TX Mode G Mode Channel 01/06/11			
Mode 4 TX Mode N(HT20) Mode Channel 01/06/11				

Note:

(1) For all test, we have verified the construction and function in typical operation. And all the test modes were carried out with the EUT in transmitting operation in maximum power with all kinds of data rate.

According to ANSI C63.10 standards, the measurements are performed at the highest, Middle, lowest available channels, and the worst case data rate as follows:

802.11b Mode: CCK (1 Mbps) 802.11g Mode: OFDM (6 Mbps)

802.11n (HT20) Mode: MCS 0 (6.5 Mbps)

- (2) During the testing procedure, the continuously transmitting with the maximum power mode was programmed by the customer.
- (3) The EUT is considered a portable unit; in normal use it was positioned on X-plane. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test.



Page: 8 of 67

1.6 Description of Test Software Setting

During testing channel & Power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN.

Test Software Version	W.	SecureCRT.exe	(3)
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	80	80	80
IEEE 802.11g OFDM	45	45	45
IEEE 802.11n (HT20)	45	45	45

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Test Item	Parameters	Expanded Uncertainty (U _{Lab})
	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dadiated Emission	Level Accuracy:	14 CO dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Dadiated Emission	Level Accuracy:	14 40 dB
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
Padiated Emission	Level Accuracy:	14 20 dB
Radiated Emission	Above 1000MHz	±4.20 dB



Page: 9 of 67

1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01. FCC Accredited Test Site Number: 854351.

IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



Page: 10 of 67

2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 2						
Standa	rd Section	Toot Itom	ludament	Remark N/A N/A N/A N/A N/A N/A N/A		
FCC	IC	Test Item	Judgment	Remark		
15.203	1	Antenna Requirement	PASS	N/A		
15.207	RSS-GEN 7.2.4	Conducted Emission	PASS	N/A		
15.205	RSS-GEN 7.2.2	Restricted Bands	PASS	N/A		
15.247(a)(2)	RSS 247	6dB Bandwidth	PASS	N/A		
13.247 (a)(2)	5.2 (1)	OGD Balldwidth				
15.247(b)	RSS 247	Peak Output Power	PASS	N/A		
13.247 (b)	5.4 (4)	r cak Output i owei				
15.247(e)	RSS 247	Power Spectral Density	PASS	N/A		
13.247 (e)	5.2 (2)					
15 247(d)	RSS 247	David Edua	PASS	NI/A		
15.247(d)	5.5	Band Edge	FASS	N/A		
15.247(d)&	RSS 247	Transmitter Radiated Spurious	PASS	N/A		
15.209	5.5	Emission	PASS			

Note: "/" for no requirement for this test item.

N/A is an abbreviation for Not Applicable.



Page: 11 of 67

3. Test Equipment

Conducted Emiss	ion Test	1			1
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 13, 2019	Jul. 12, 2020
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 13, 2019	Jul. 12, 2020
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 13, 2019	Jul. 12, 2020
LISN	Rohde & Schwarz	ENV216	101131	Jul. 13, 2019	Jul. 12, 2020
Radiation Emission	on Test	-	-		
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 13, 2019	Jul. 12, 2020
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 13, 2019	Jul. 12, 2020
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Jan. 27, 2019	Jan. 26, 2020
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Jan. 27, 2019	Jan. 26, 2020
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.03, 2019	Mar. 02, 2020
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.03, 2019	Mar. 02, 2020
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Mar.04, 2019	Mar. 03, 2020
Pre-amplifier	Sonoma	310N	185903	Mar.03, 2019	Mar. 02, 2020
Pre-amplifier	HP	8449B	3008A00849	Mar.03, 2019	Mar. 02, 2020
Cable	HUBER+SUHNER	100	SUCOFLEX	Jan. 27, 2019	Jan. 26, 2020
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conduct	ed Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 13, 2019	Jul. 12, 2020
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 13, 2019	Jul. 12, 2020
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 15, 2018	Sep. 14, 2019
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 15, 2018	Sep. 14, 2019
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 15, 2018	Sep. 14, 2019
6	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 15, 2018	Sep. 14, 2019
DE Dower Conser	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 15, 2018	Sep. 14, 2019
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 15, 2018	Sep. 14, 2019
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 15, 2018	Sep. 14, 2019



Page: 12 of 67

4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

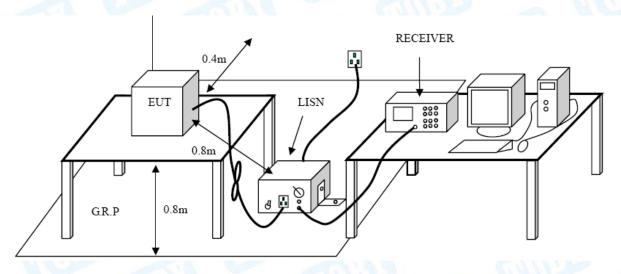
Conducted Emission Test Limit

Eroguenov	Maximum RF Line Voltage (dBμV)			
Frequency	Quasi-peak Level	Average Level		
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *		
500kHz~5MHz	56	46		
5MHz~30MHz	60	50		

Notes:

- (1) *Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.



Page: 13 of 67

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

4.4 EUT Operating Mode

Please refer to the description of test mode.

4.5 Test Data

Please refer to the Attachment A.



Page: 14 of 67

5. Radiated Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209

5.1.2 Test Limit

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz	Field Strength (microvolt/meter)	Measurement Distance (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

Radiated Emission Limit (Above 1000MHz)

Frequency	Distance of 3m (dBuV/m)				
(MHz)	Peak	Average			
Above 1000	74	54			

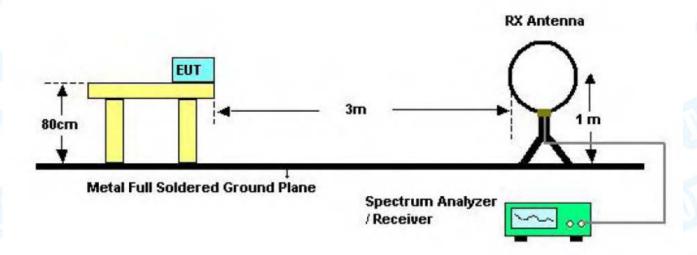
Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission Level(dBuV/m)=20log Emission Level(uV/m)

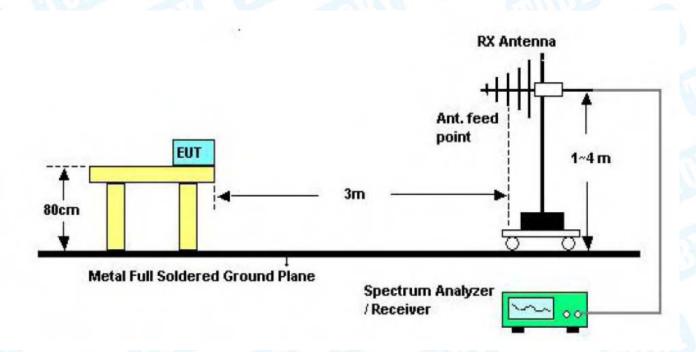


Page: 15 of 67

5.2 Test Setup



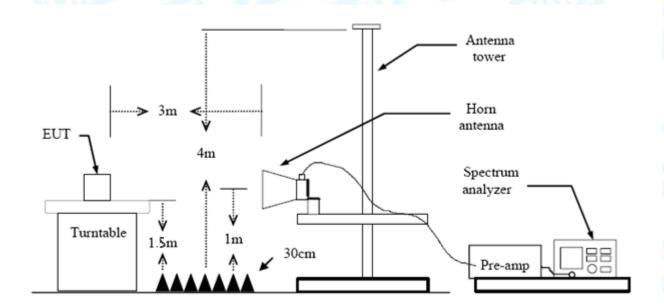
Below 30MHz Test Setup



Below 1000MHz Test Setup



Page: 16 of 67



Above 1GHz Test Setup

5.3 Test Procedure

- (1) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency Below 1GHz. The EUT was placed on a rotating 0.8m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.



Page: 17 of 67

(8) For the actual test configuration, please see the test setup photo.

5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

5.5 Test Data

Remark: During testing above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.

Please refer to the Attachment B.



Page: 18 of 67

6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

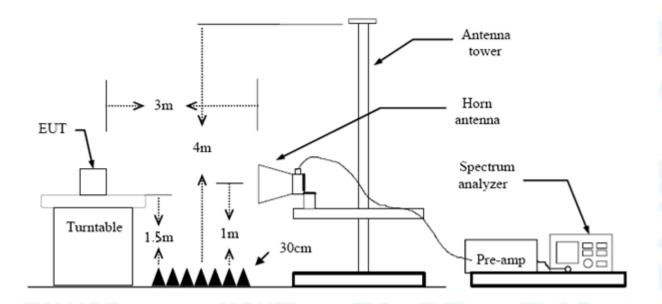
FCC Part 15.209

FCC Part 15.205

6.1.2 Test Limit

Restricted Frequency	Distance of 3m (dBuV/m)				
Band (MHz)	Peak	Average			
2310 ~2390	74	54			
2483.5 ~2500	74	54			

6.2 Test Setup



6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency Below 1GHz and above 1 GHz. The EUT was placed on a rotating 0.8m high above ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.



Page: 19 of 67

(3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.

- (4) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

6.5 Test Data

Please refer to the Attachment C.



Page: 20 of 67

7. Bandwidth Test

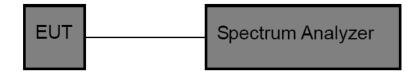
7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.247 (a)(2)

7.1.2 Test Limit

FCC Part 15 Subpart C(15.247)								
Test Item	Limit	Frequency Range(MHz)						
Bandwidth	>=500 KHz (6dB bandwidth)	2400~2483.5						

7.2 Test Setup



7.3 Test Procedure

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) The bandwidth is measured at an amplitude level reduced 6dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst –case (i.e the widest) bandwidth.
- (3)Measure the channel separation the spectrum analyzer was set to Resolution Bandwidth:100 kHz, and Video Bandwidth:300 kHz, Detector: Peak, Sweep Time set auto.

7.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.

7.5 Test Data

Please refer to the Attachment D.



Page: 21 of 67

8. Peak Output Power Test

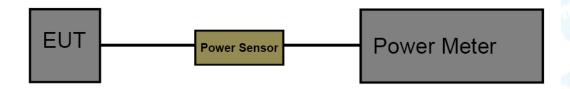
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)								
Test Item	Limit	Frequency Range(MHz)						
Peak Output Power	1 Watt or 30 dBm	2400~2483.5						

8.2 Test Setup



8.3 Test Procedure

The measurement is according to section 9.1.2 of KDB 558074 D01 DTS Meas Guidance v05. The EUT was connected to RF power meter via a broadband power sensor as show the block above. The power sensor video bandwidth is greater than or equal to the DTS bandwidth of the equipment.

8.4 EUT Operating Condition

The EUT was set to continuously transmitting in the max power during the test.

8.5 Test Data

Please refer to the Attachment E.



Page: 22 of 67

9. Power Spectral Density Test

9.1 Test Standard and Limit

9.1.1 Test Standard FCC Part 15.247 (e)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)								
Test Item	Limit	Frequency Range(MHz)						
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5						

9.2 Test Setup



9.3 Test Procedure

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser center frequency to DTS channel center frequency.
- (3) Set the span to 1.5 times the DTS bandwidth.
- (4) Set the RBW to: 3 kHz(5) Set the VBW to: 10 kHz
- (6) Detector: peak (7) Sweep time: auto
- (8) Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

9.4 EUT Operating Condition

The EUT was set to continuously transmitting in each mode and low, Digital photo framesdle and high channel for the test.

9.5 Test Data

Please refer to the Attachment F.



Page: 23 of 67

10. Antenna Requirement

10.1 Standard Requirement

10.1.1 Standard FCC Part 15.203

10.1.2 Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

10.2 Antenna Connected Construction

The gains of the antenna used for transmitting is 2.5dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

Result

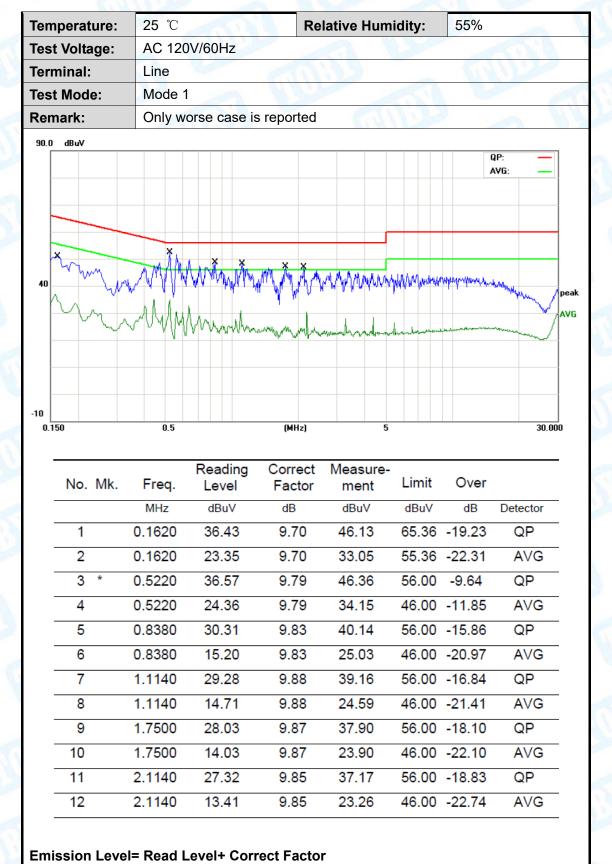
The EUT antenna is a PCB Antenna. It complies with the standard requirement.

Antenna Type						
	⊠Permanent attached antenna					
	☐Unique connector antenna					
4000	☐Professional installation antenna					



OBY Report No. Page:

Attachment A-- Conducted Emission Test Data

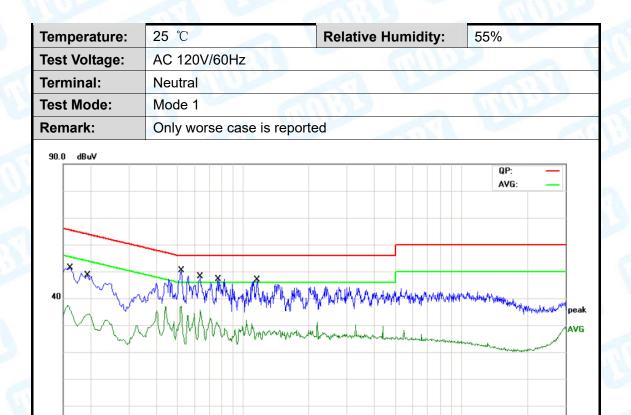




-10 ____ 0.150 Report No.: TB-FCC167073

30.000

Page: 25 of 67



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1620	45.79	0.00	45.79	65.36	-19.57	QP
2		0.1620	34.29	0.00	34.29	55.36	-21.07	AVG
3		0.1940	44.03	0.00	44.03	63.86	-19.83	QP
4		0.1940	34.11	0.00	34.11	53.86	-19.75	AVG
5		0.5220	43.99	0.00	43.99	56.00	-12.01	QP
6	*	0.5220	36.92	0.00	36.92	46.00	-9.08	AVG
7		0.6380	41.71	0.00	41.71	56.00	-14.29	QP
8		0.6380	35.13	0.00	35.13	46.00	-10.87	AVG
9		0.7740	38.09	0.00	38.09	56.00	-17.91	QP
10		0.7740	29.73	0.00	29.73	46.00	-16.27	AVG
11		1.1620	38.04	0.00	38.04	56.00	-17.96	QP
12		1.1620	26.76	0.00	26.76	46.00	-19.24	AVG

(MHz)



Page: 26 of 67

Attachment B-- Radiated Emission Test Data

9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

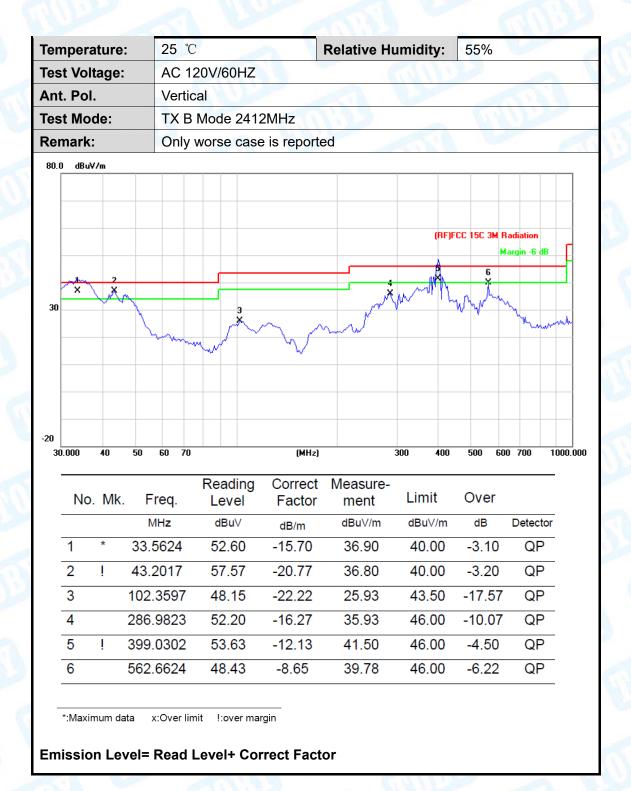
below the permissible value has no need to be reported.

30MHz~1GHz

Ten	nperat	ure:	2	25 °	C	11					Rela	ative	Hur	nidit	y:	55%		N
Tes	est Voltage: AC 120V/60HZ											ĺ	FIV	111	لإلا			
Ant	t. Pol.		H	Hori	zor	ital		W	11				M					
Tes	t Mod	e:	-	TX E	3 M	ode	241	12M	Hz				1				- (11
Rei	mark:		(Only	/ W	orse	cas	se is	repo	rted	M							
80.0) dBuV/i	m																
30	*		Why have	~	<i></i>		2 X					3 X	Ž	(BF)I	FCC 150		odiation	dB
-20																		
30	0.000	40	50	60	70	80			(h	(Hz)			300	400	500	600	700	1000
	No.	Mk.	F	req			eadi Leve			rect ctor	Mea m	sure ent		imit	(Over		
			N	MHz			dBu∖	/	dB/	m	dB	uV/m	C	dBu∀/r	n	dB	De	tector
	1		31.	954	6	4	14.7	3	-14	48	30).25	•	40.00) .	9.75	(QP
	2		102	.359	97	4	15.8	0	-22	22	23	3.58		43.50) -	19.9	2 (QP
	3	*	277	.093	35	5	59.4	2	-16	47	42	2.95		46.00) .	3.05	(QP
	4	ļ	321	.060	38	5	7.9	0	-15	.32	42	2.58		46.00) .	3.42	! (QP
			410	.382	25	5	54.6	2	-12	02	42	2.60		46.00) .	3.40) (QP
	6				92		37.7		-8.	1.5	20	9.64		46.00		16.3	2 /	QP



Page: 27 of 67





Page: 28 of 67

Above 1GHz

Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	CALLE .						
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2412MHz	TX B Mode 2412MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed							
	limit.							

No.	Mk	Freq.	_	Reading Correct Measure Level Factor ment		Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.778	43.00	14.55	57.55	74.00	-16.45	peak
2	*	4824.012	29.27	14.55	43.82	54.00	-10.18	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2412MHz	TX B Mode 2412MHz				
Remark:	No report for the emission prescribed limit.	on which more than 10 dB	below the			

N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.988	32.56	14.55	47.11	54.00	-6.89	AVG
2			4824.042	44.71	14.55	59.26	74.00	-14.74	peak



Page: 29 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX B Mode 2437MHz	TX B Mode 2437MHz				
Remark:	No report for the emission	which more than 10 de	B below the			
	prescribed limit.	CALLY DE				

No	o. Mk	. Freq.	_	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.772	43.83	14.86	58.69	74.00	-15.31	peak
2	*	4874.418	34.18	14.86	49.04	54.00	-4.96	AVG

Emission Level= Read Level+ Correct Factor

25 ℃	Relative Humidity:	55%		
AC 120V/60HZ				
Vertical				
TX B Mode 2437MHz				
No report for the emission which more than 10 dB below the				
prescribed limit.				
	AC 120V/60HZ Vertical TX B Mode 2437MHz No report for the emission	AC 120V/60HZ Vertical TX B Mode 2437MHz No report for the emission which more than 10 dE		

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.748	44.00	14.86	58.86	74.00	-15.14	peak
2	*	4874.236	33.74	14.86	48.60	54.00	-5.40	AVG



Page: 30 of 67

		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz	1:30	CHILL
Remark:	No report for the emission	n which more than 10 de	B below the
	prescribed limit.		

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.004	44.06	15.17	59.23	74.00	-14.77	peak
2	×	4924.462	34.38	15.17	49.55	54.00	-4.45	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60HZ				
Ant. Pol.	Vertical				
Test Mode:	TX B Mode 2462MHz	N. Carrier	100		
Remark:	No report for the emission which more than 10 dB below the				
	prescribed limit.				

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.642	35.00	15.17	50.17	54.00	-3.83	AVG
2		4924.206	43.72	15.17	58.89	74.00	-15.11	peak



Page: 31 of 67

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz	(13)	D. S. C.
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.		- WW

No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4824.068	32.22	14.55	46.77	54.00	-7.23	AVG
2		4824.440	43.26	14.55	57.81	74.00	-16.19	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2412MHz		500			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.508	43.63	14.55	58.18	74.00	-15.82	peak
2	*	4823.614	32.45	14.55	47.00	54.00	-7.00	AVG



Page: 32 of 67

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2437MHz	1130	C. C.
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.	COURSE OF THE PROPERTY OF	- 11

No	o. N	1k.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4	4873.620	32.23	14.86	47.09	54.00	-6.91	AVG
2		4	4874.076	43.40	14.86	58.26	74.00	-15.74	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ				
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX G Mode 2437MHz		500			
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.		4:1:4			

N	lo.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4873.870	32.63	14.86	47.49	54.00	-6.51	AVG
2			4874.214	44.11	14.86	58.97	74.00	-15.03	peak



Page: 33 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX G Mode 2462MHz	(32)	D. S. C.			
Remark:	No report for the emission	which more than 10 de	B below the			
	prescribed limit.		- 44			

No.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.590	32.70	15.17	47.87	54.00	-6.13	AVG
2		4924.356	43.34	15.17	58.51	74.00	-15.49	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2462MHz		THE STATE OF THE S			
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.		1013			

No	o. Mk	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.594	43.48	15.17	58.65	74.00	-15.35	peak
2	*	4924.110	32.85	15.17	48.02	54.00	-5.98	AVG



Page: 34 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 24	12MHz	UNIT			
Remark:	No report for the emis	No report for the emission which more than 10 dB below the				
	prescribed limit.		THE STATE OF THE S			

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.786	32.48	14.55	47.03	54.00	-6.97	AVG
2		4824.032	44.00	14.55	58.55	74.00	-15.45	peak

Emission Level= Read Level+ Correct Factor

25 ℃	Relative Humidity:	55%		
AC 120V/60HZ				
Vertical				
TX N(HT20) Mode 2412MHz				
No report for the emission which more than 10 dB below the				
prescribed limit.				
	AC 120V/60HZ Vertical TX N(HT20) Mode 2412 No report for the emission	AC 120V/60HZ Vertical TX N(HT20) Mode 2412MHz No report for the emission which more than 10 dB		

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.786	32.48	14.55	47.03	54.00	-6.97	AVG
2		4824.194	43.74	14.55	58.29	74.00	-15.71	peak



Page: 35 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2437M	TX N(HT20) Mode 2437MHz				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.					

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.886	44.02	14.86	58.88	74.00	-15.12	peak
2	*	4874.140	32.17	14.86	47.03	54.00	-6.97	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical	Vertical				
Test Mode:	TX N(HT20) Mode 24	TX N(HT20) Mode 2437MHz				
Remark:	No report for the emis	No report for the emission which more than 10 dB below the				
	prescribed limit.					

No. Mk. Freq		. Freq.	Reading Correct Measu Freq. Level Factor ment			Limit Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.608	43.90	14.86	58.76	74.00	-15.24	peak
2	*	4874.268	32.48	14.86	47.34	54.00	-6.66	AVG



Page: 36 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2462MH	TX N(HT20) Mode 2462MHz				
Remark:	No report for the emission which more than 10 dB below the					
	prescribed limit.					

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.818	41.42	15.17	56.59	74.00	-17.41	peak
2	*	4924.170	32.75	15.17	47.92	54.00	-6.08	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2462MH	TX N(HT20) Mode 2462MHz				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.142	44.24	15.17	59.41	74.00	-14.59	peak
2	÷	4924.398	32.83	15.17	48.00	54.00	-6.00	AVG



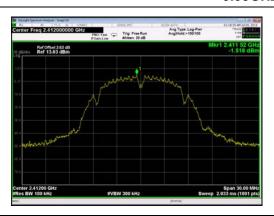
Page: 37 of 67

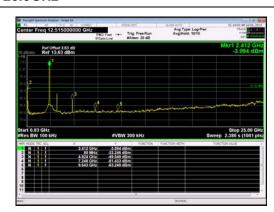
Conducted RF Spurious Emission Test Data

Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz	AC 120/60Hz					
Test Mode:	TX B Mode	339	W. C. C.				
Remark:	This report only shall the wo	orst case mode for TX I	EEE 802.11b.				

2412 MHz

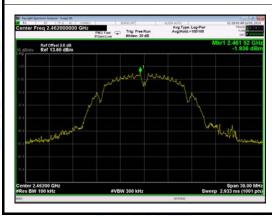
0.03GHz-26.5GHz

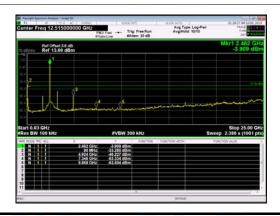




2462 MHz

0.03GHz-26.5GHz







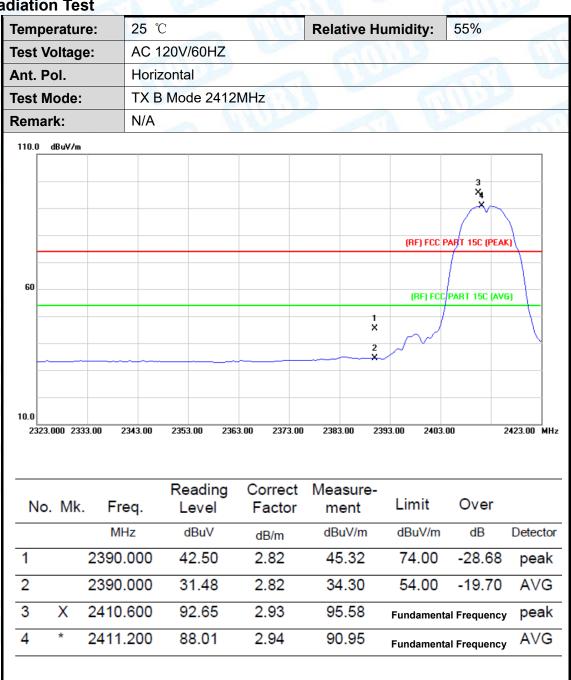


38 of 67 Page:



Attachment C-- Restricted Bands Requirement and **Band-edge Test Data**

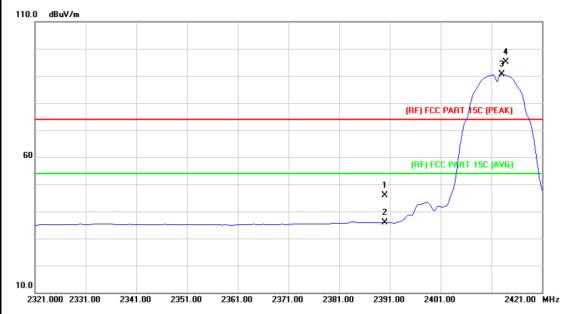
(1) Radiation Test





Page: 39 of 67

	N. V. B. UR		
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		THE STATE OF
Remark:	N/A		
110.0 dBuV/m			
			4 3×

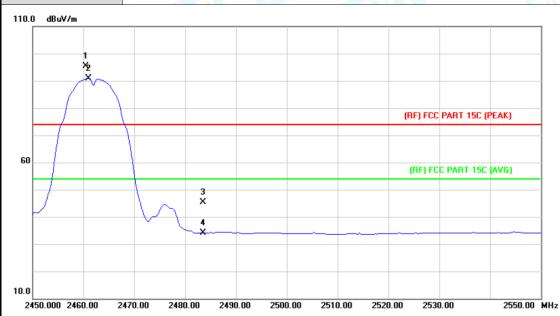


No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.17	2.82	45.99	74.00	-28.01	peak
2		2390.000	33.12	2.82	35.94	54.00	-18.06	AVG
3	*	2413.000	87.64	2.94	90.58	Fundamental	Frequency	AVG
4	Χ	2413.800	92.24	2.95	95.19	Fundamental	Frequency	peak



Page: 40 of 67

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		CHILI
Remark:	N/A		

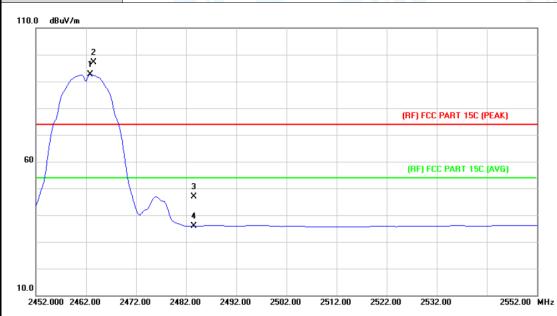


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	Fundamental	Frequency	Detector
1	Χ	2460.400	92.19	3.26	95.45	- Fundamental	Frequency	peak
2	*	2461.000	87.57	3.26	90.83	54.00	36.83	AVG
3		2483.500	42.09	3.41	45.50	74.00	-28.50	peak
4		2483.500	30.69	3.41	34.10	54.00	-19.90	AVG



Page: 41 of 67

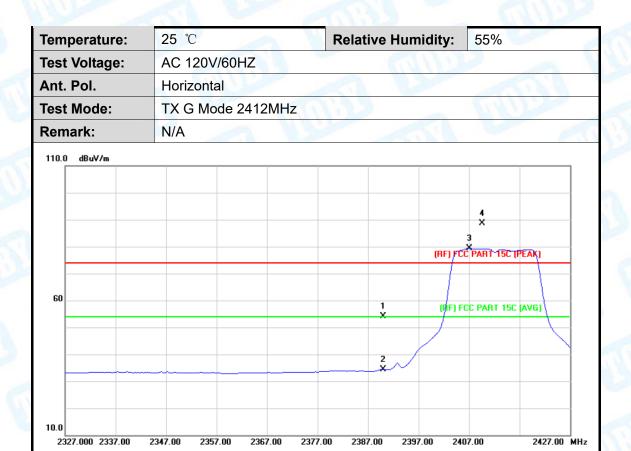
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical	Vertical					
Test Mode:	TX B Mode 2462MHz	1333	CIO.				
Remark:	N/A						



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2462.800	89.26	3.27	92.53	Fundamental I	Frequency	AVG
2	X	2463.600	93.89	3.28	97.17	Fundamental	Frequency	peak
3		2483.500	43.44	3.41	46.85	74.00	-27.15	peak
4		2483.500	32.52	3.41	35.93	54.00	-18.07	AVG



Page: 42 of 67

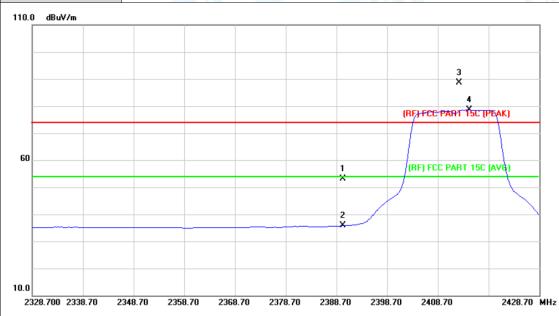


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	51.25	2.82	54.07	74.00	-19.93	peak
2		2390.000	31.64	2.82	34.46	54.00	-19.54	AVG
3	*	2407.000	76.46	2.90	79.36	– Fundamental	Frequency	AVG
4	Χ	2409.600	85.82	2.93	88.75	- Fundamental	Frequency	peak



Page: 43 of 67

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2412MHz	1:33	UHU
Remark:	N/A		
110.0 dBuV/m			

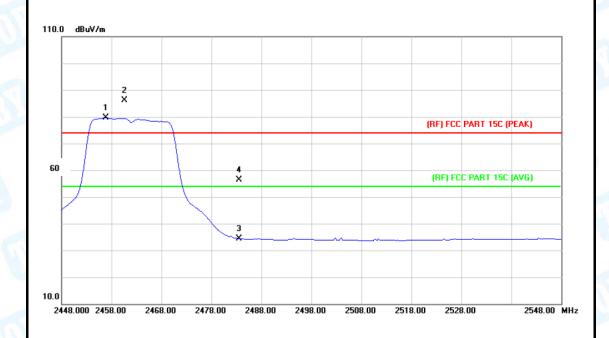


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	50.42	2.82	53.24	74.00	-20.76	peak
2		2390.000	32.98	2.82	35.80	54.00	-18.20	AVG
3	Χ	2412.900	85.67	2.94	88.61	Fundamental	Frequency	peak
4	*	2414.900	75.63	2.95	78.58	Fundamental	Frequency ⁻	AVG



Page: 44 of 67

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz	11:30	CHI.
Remark:	N/A		

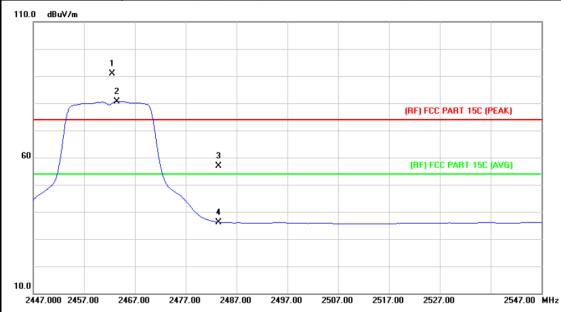


No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2456.800	76.40	3.23	79.63	Fundamental F	requency	AVG
2	Χ	2460.600	82.82	3.26	86.08	Fundamental I	requency}	peak
3		2483.500	30.94	3.41	34.35	54.00	-19.65	AVG
4		2483.500	53.03	3.41	56.44	74.00	-17.56	peak



Page: 45 of 67

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		

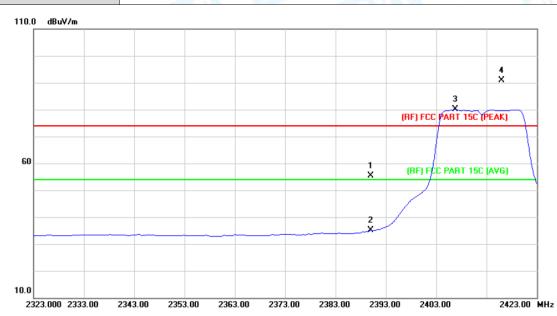


No.	. Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	X	2462.600	87.52	3.27	90.79	Fundamental	Frequency	peak
2	*	2463.400	77.36	3.28	80.64	Fundamental	Frequency	AVG
3		2483.500	53.39	3.41	56.80	74.00	-17.20	peak
4		2483.500	32.82	3.41	36.23	54.00	-17.77	AVG



Page: 46 of 67

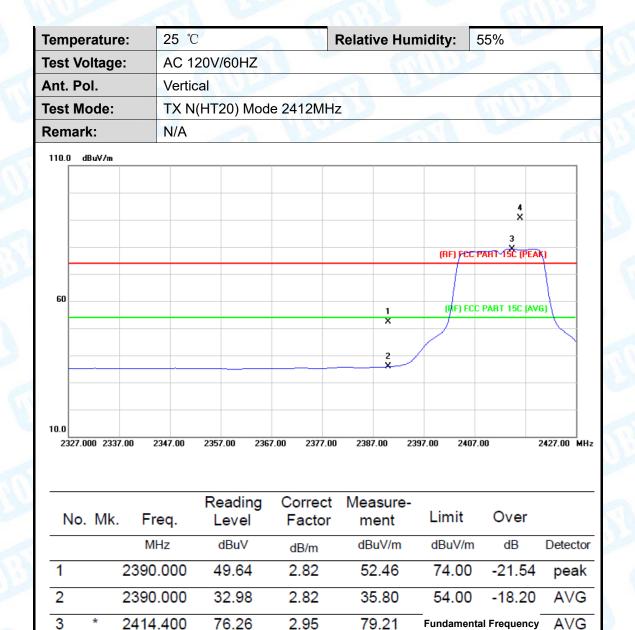
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Horizontal	Horizontal					
Test Mode:	TX N(HT20) Mode 2412MHz						
Remark:	N/A		0.0				



No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	52.63	2.82	55.45	74.00	-18.55	peak
2		2390.000	32.20	2.82	35.02	54.00	-18.98	AVG
3	*	2406.800	77.15	2.90	80.05	Fundamental Frequency		AVG
4	Χ	2416.000	88.02	2.97	90.99	Fundamental	Frequency	peak



Page: 47 of 67



Emission Level= Read Level+ Correct Factor

87.56

2.97

90.53

Fundamental Frequency

2416.000

4

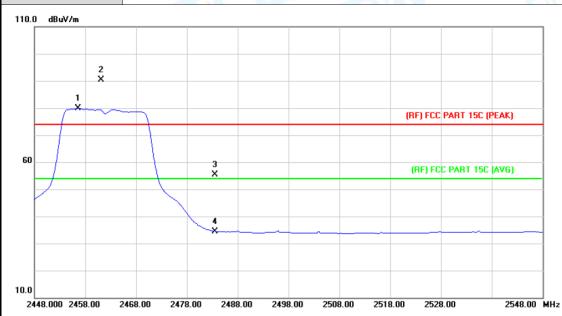
Χ

peak



Page: 48 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode 2462MH	TX N(HT20) Mode 2462MHz				
Remark:	N/A		611			

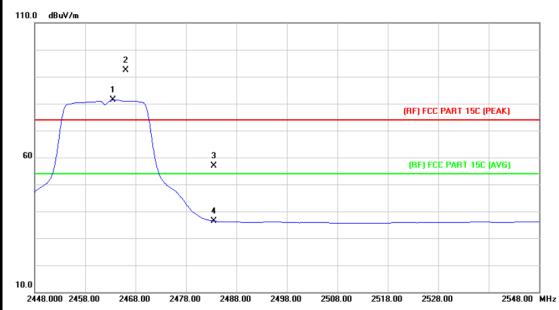


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2456.600	76.64	3.23	79.87	Fundamental F	requency '	AVG
2	X	2461.200	87.09	3.27	90.36	Fundamental F	requency	peak
3		2483.500	51.89	3.41	55.30	74.00	-18.70	peak
4		2483.500	31.05	3.41	34.46	54.00	-19.54	AVG



Page: 49 of 67

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2462M	TX N(HT20) Mode 2462MHz				
Remark:	N/A					

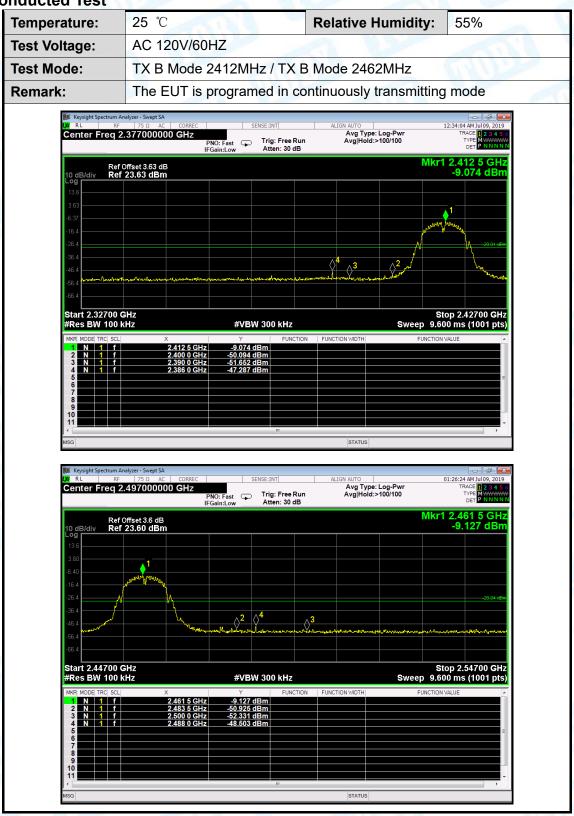


N	o. M	lk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*		2463.600	78.08	3.28	81.36	Fundamental Frequency		AVG
2	X		2466.000	89.12	3.29	92.41	Fundamental	Frequency	peak
3			2483.500	53.53	3.41	56.94	74.00	-17.06	peak
4			2483.500	32.91	3.41	36.32	54.00	-17.68	AVG



Page: 50 of 67

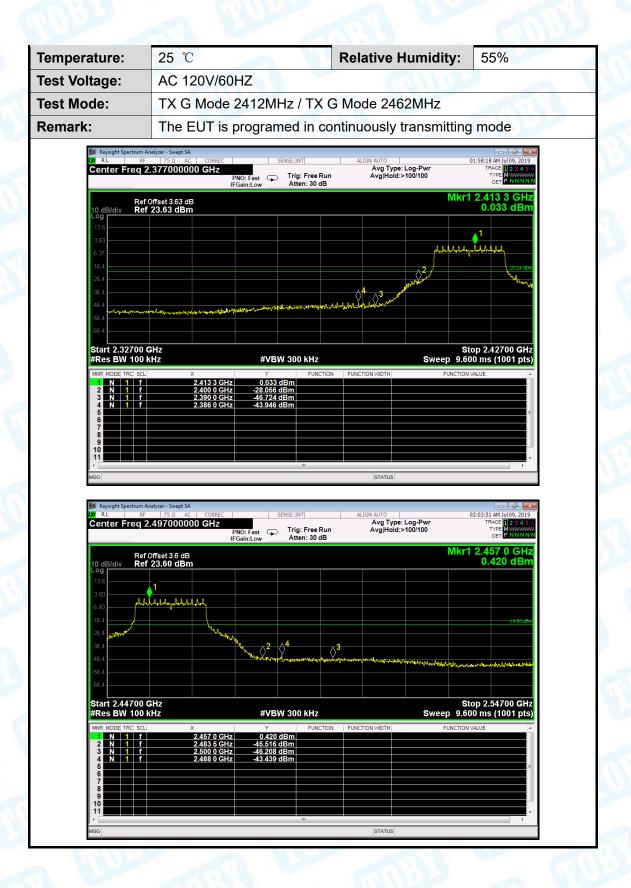
(2) Conducted Test





Page: 51 of 67









Page: 52 of 67



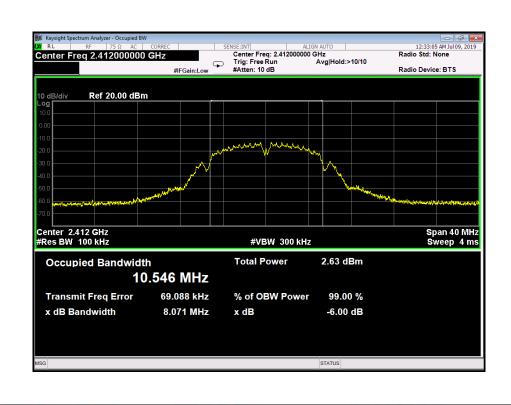


Page: 53 of 67

Attachment D-- Bandwidth Test Data

Temperature:	nperature: 25 ℃		Relative Humidity:	55%		
Test Voltage:	A	C 120V/60HZ				
Test Mode:	TX 802.11B Mode					
Channel frequen	Channel frequency		99% Bandwidth	Limit		
(MHz)		(MHz)	(MHz)	(MHz)		
2412		8.071	10.546			
2437		8.573	10.502	>=0.5		
2462		8.065	10.508			

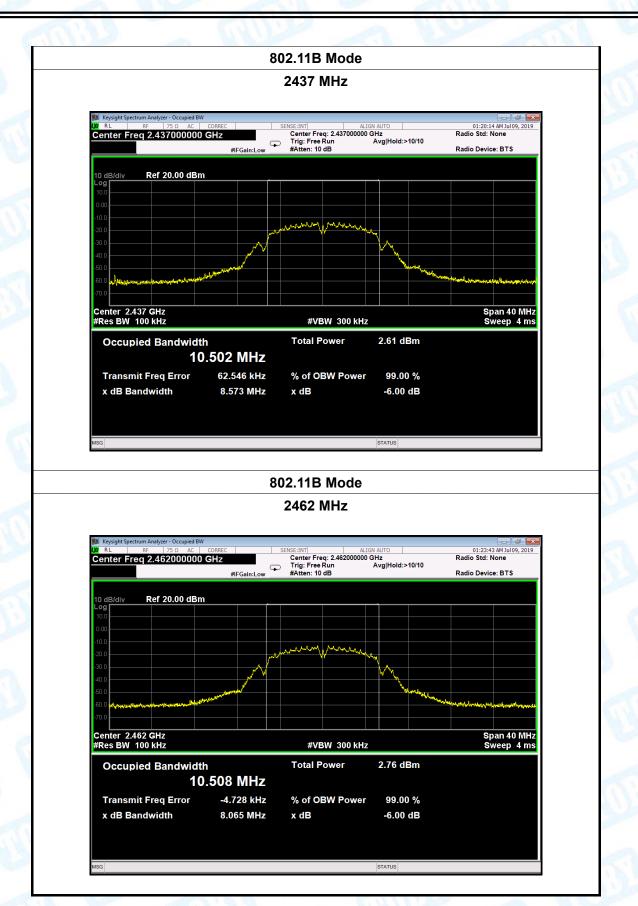
802.11B Mode





Page: 54 of 67

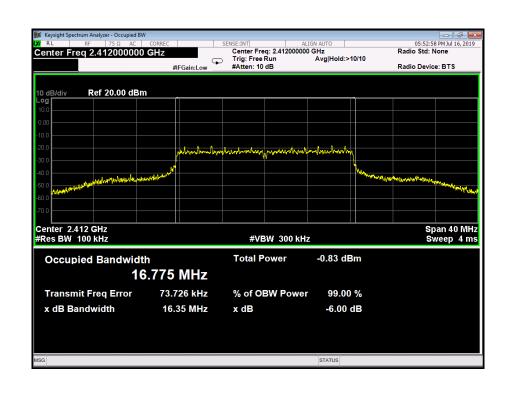






55 of 67 Page:

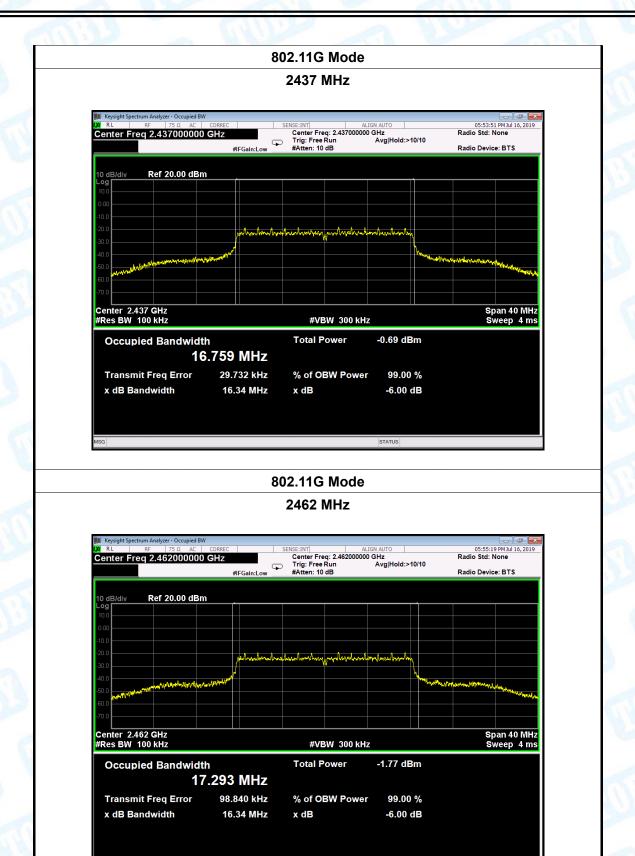
Temperature: 25 ℃		Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ					
Test Mode:	TX 802.11G Mode					
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit			
(MHz)	(MHz)	(MHz)	(MHz)			
2412	16.35	16.775				
2437	16.34	16.759	>=0.5			
2462	16.34	17.293				
	802.11G	Mode	1			







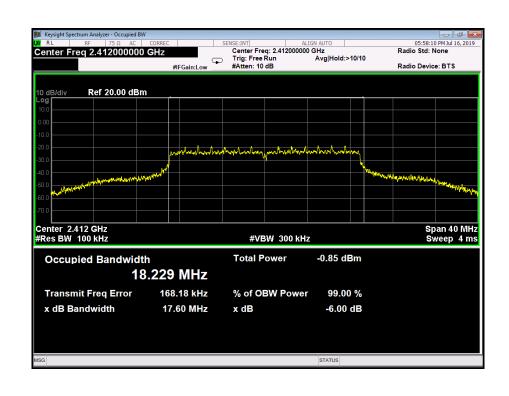
Page: 56 of 67





57 of 67 Page:

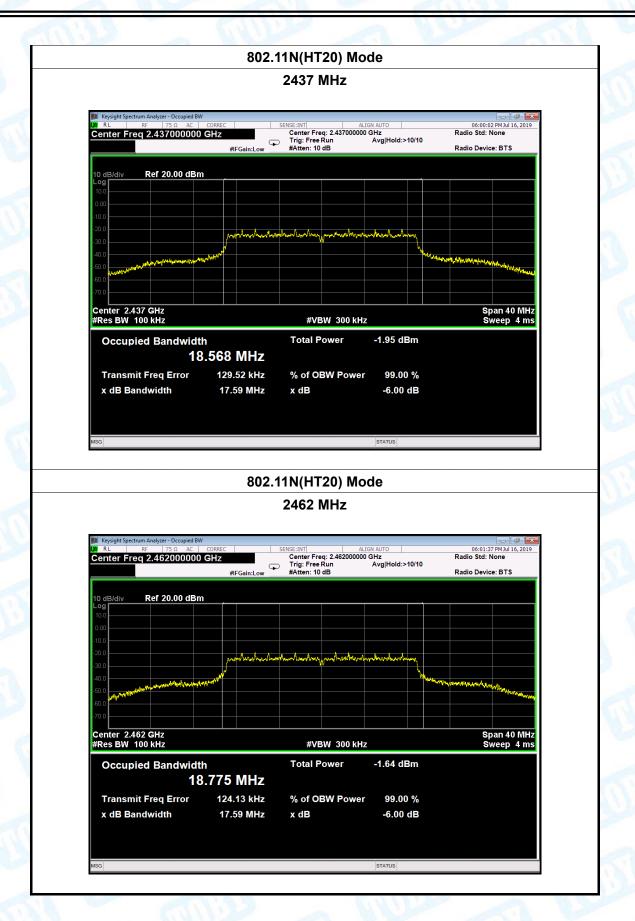
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ						
Test Mode:	TX 802.11N(HT20) Mode	TX 802.11N(HT20) Mode						
Channel frequence	y 6dB Bandwidth	99% Bandwidth	Limit					
(MHz)	(MHz)	(MHz) (MHz)						
2412	17.60	18.229						
2437	17.59	18.568	>=0.5					
2462	17.59	17.59 18.775						
	802.11N(HT2	0) Mode	1					





Page: 58 of 67







Page: 59 of 67

Attachment E-- Peak Output Power Test Data

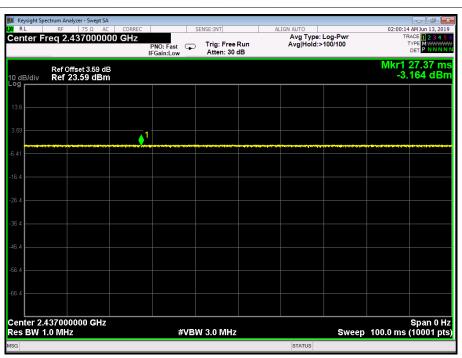
Test Conditions	: Continuous transm	Continuous transmitting Mode				
Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ	TO LAD	WHO !			
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)			
	2412	1.775				
802.11b	2437	1.871				
	2462	2.021				
	2412	2.059				
802.11g	2437	2.081	30			
	2462	1.091				
000 44	2412	1.891				
802.11n (HT20)	2437	0.883				
(11120)	2462	1.114				
	Resu	ult: PASS				

Duty Cycle					
Mode	Channel frequency (MHz)	Test Result			
802.11b	2412				
	2437				
	2462				
802.11g	2412				
	2437	>98%			
	2462				
802.11n (HT20)	2412				
	2437				
	2462				

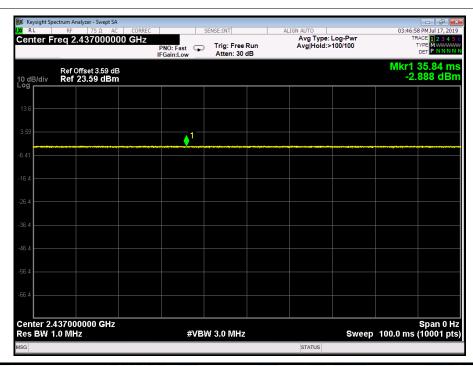


Report No.: TB-FCC167073
Page: 60 of 67



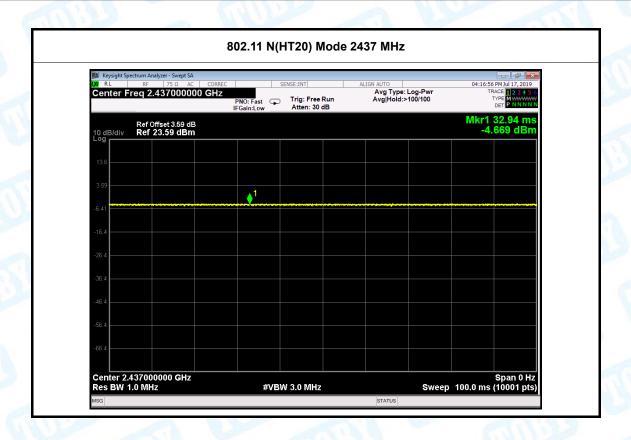


802.11 G Mode 2437 MHz





Page: 61 of 67





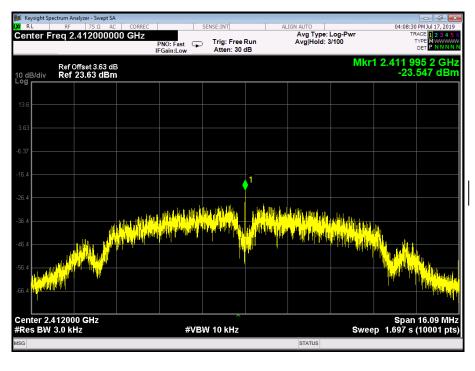


Page: 62 of 67

Attachment F-- Power Spectral Density Test Data

Temperature:	25 ℃	C Relative Humidity:		55%	
Test Voltage:	: AC 120V/60HZ				
Test Mode:	TX 802.11B Mode				
Channel Frequency		Power Density		Limit	
(MHz)		(dBm/3 kHz)		(dBm/3kHz)	
2412		-23.547			
2437		-22.561		8	
2462		-22.296			
la Company		000 44D	NA		

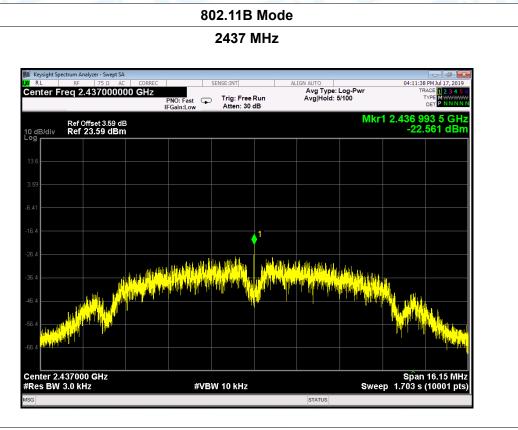
802.11B Mode



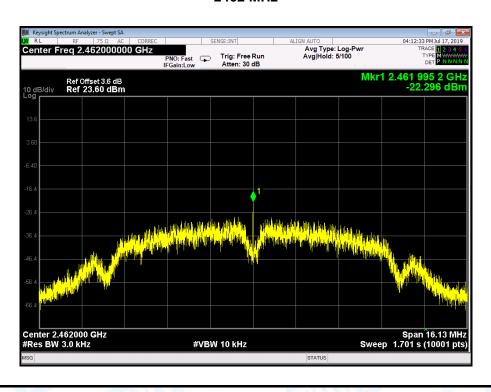


Page: 63 of 67





802.11B Mode

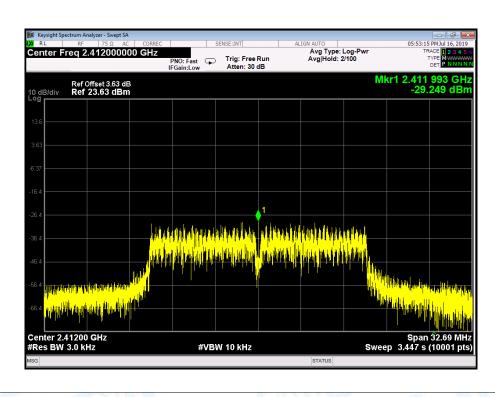




Page: 64 of 67

Temperature:	25 °C Tempera		Temperature:	25 ℃	
Test Voltage:	AC 120V/60HZ				
Test Mode:	TX 802.1	1G Mode			
Channel Frequency		Power Density		Limit	
(MHz)		(dBm/3 kF	lz)	(dBm/3kHz)	
2412		-29.249			
2437		-24.900		8	
2462		-27.041			
		802 11G M	nde		

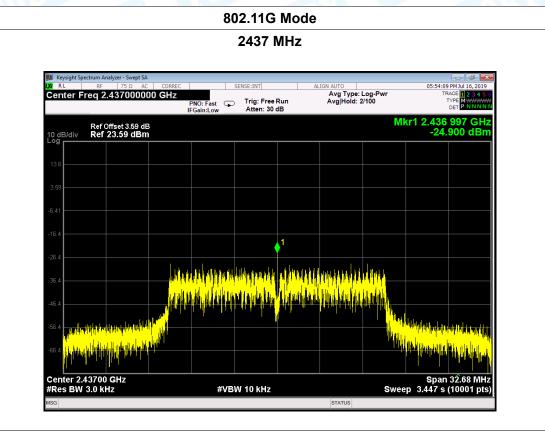
802.11G Mode



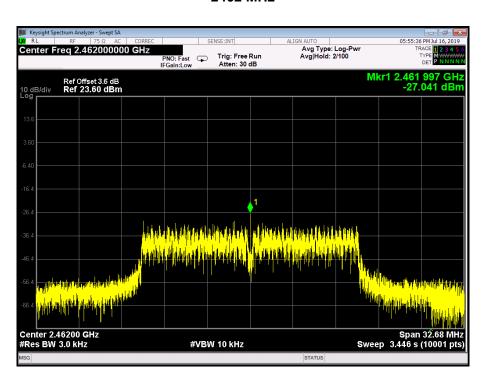


Report No.: TB-FCC167073
Page: 65 of 67





802.11G Mode

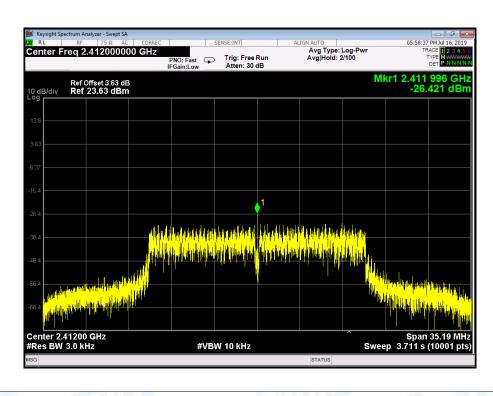




Page: 66 of 67

Temperature:	25 ℃	Temperatu		25 ℃		
Test Voltage:	AC 120V/60HZ					
Test Mode:	TX 802.1	302.11N(HT20) Mode				
Channel Frequency		Power Density		Limit		
(MHz)		(dBm/3 kHz)		(dBm/3kHz)		
2412		-26.42	21			
2437		-25.947		8		
2462		-23.739				
		902 11N/UT	20) Modo			

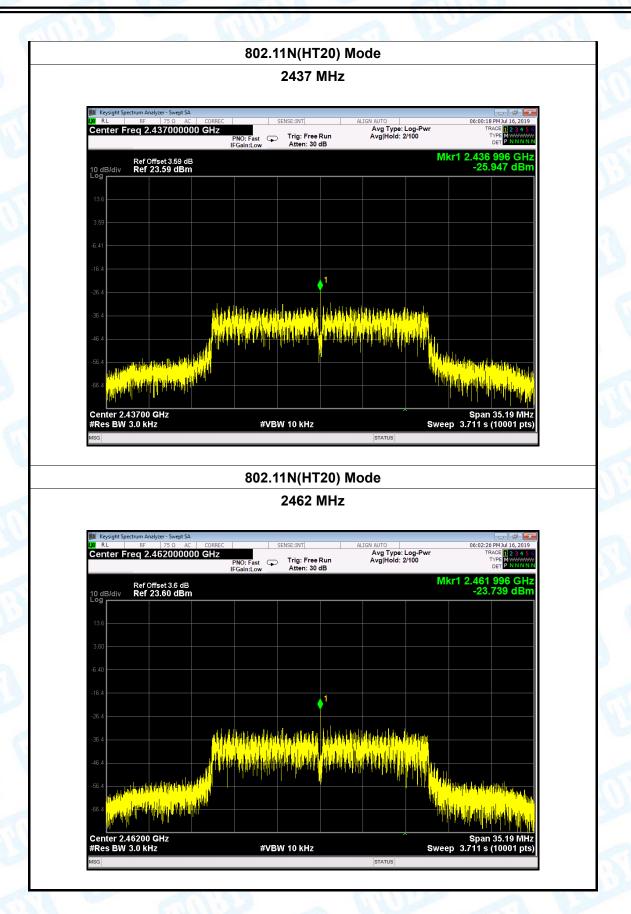
802.11N(HT20) Mode





Page: 67 of 67





----END OF REPORT-----