

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC167069

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FCC Radio Test Report FCC ID: 2AKBP-Q3CM

Original Grant

Report No. TB-FCC167069

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

Equipment Under Test (EUT)

EUT Name Smart bulb

Model No. Q3CM

Series Model No. Q3WM

H₉SIR₉ **Brand Name**

2019-07-02 **Receipt Date**

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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Revision History

Report No.	Version	Description	Issued Date
TB-FCC167069	Rev.01	Initial issue of report	2019-07-18
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1. General Information about EUT

1.1 Client Information

Applicant		Shenzhen Hysiry Technology Co., Ltd.		
Address		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.	:	Q3CM, Q3WM			
Model Different	:	All these models are the same PCB, layout and electrical circuit, the only difference is Color temperature of lamp beads			
CHILIT		Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz		
	N	Number of Channel:	802.11b/g/n(HT20):11 channels see note(3)		
		RF Output Power:	802.11b: 0.374dBm 802.11g: 0.981dBm 802.11n (HT20): 1.014dBm		
Product		Antenna Gain:	1.7dBi microstrip 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	:	Input: AC 100~240V, 5	0/60Hz		
Software Version	:	1.0			
Hardware Version	:	1.0			
Connecting I/O Port(S)		Please refer to the User'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.



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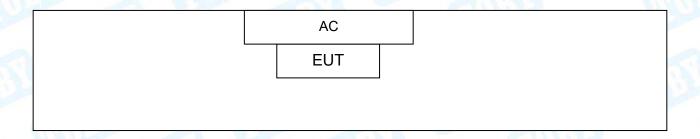
(2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(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	80	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			



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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.



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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	William	SecureCRT.exe	
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	80	80	85
IEEE 802.11g OFDM	60	60	60
IEEE 802.11n (HT20)	60	60	60

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
Dedicted Francisco	Level Accuracy:	14 40 dD
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
Dedicted Emission	Level Accuracy:	14 20 dB
Radiated Emission	Above 1000MHz	±4.20 dB



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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.



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2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 2							
Standa	rd Section	Test Item	ludament	Remark			
FCC	IC	rest 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			
10.247 (4)(2)	5.2 (1)	odb Bandwidth					
15.247(b)	RSS 247	Peak Output Power	PASS	N/A			
13.247 (b)	5.4 (4)	Feak Output Fower					
15 047(a)	RSS 247	Dawar Chartral Danaity	PASS	N/A			
15.247(e)	5.2 (2)	Power Spectral Density					
45 047(4)	RSS 247	David Edge	DACC	NI/A			
15.247(d)	5.5	Band Edge	PASS	N/A			
15.247(d)&	RSS 247	Transmitter Radiated Spurious	DACC	NI/A			
15.209	5.5	Emission	PASS	N/A			

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

N/A is an abbreviation for Not Applicable.



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3. Test Equipment

Conducted Emiss	ion Test				
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	n 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, 2018	Jul. 12, 2019
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
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 15, 2018	Sep. 14, 2019
DE Davis C	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



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4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

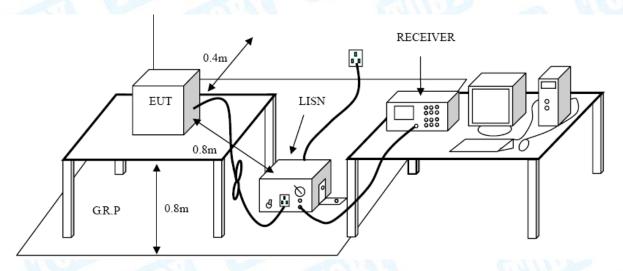
Conducted Emission Test Limit

	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.



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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.



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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			

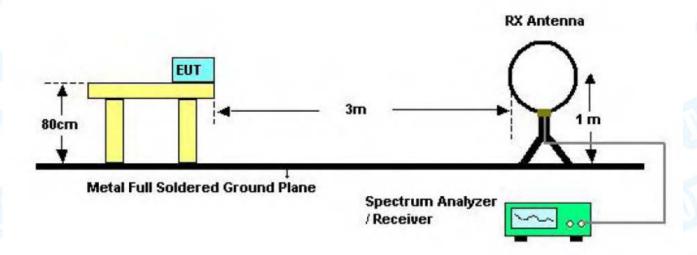
Note:

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

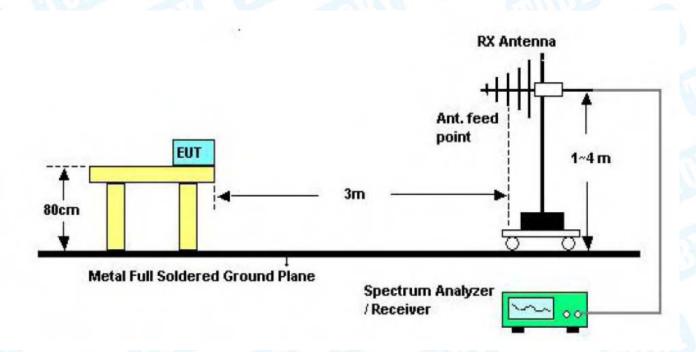


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5.2 Test Setup



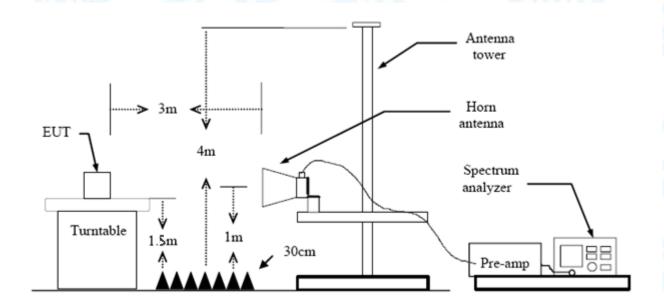
Below 30MHz Test Setup



Below 1000MHz Test Setup



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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.



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(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.



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6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

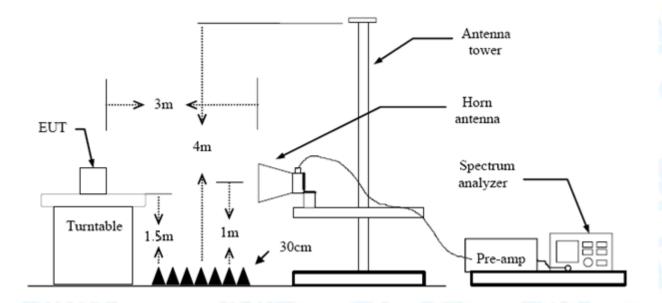
FCC Part 15.209

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.



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(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.



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7. Bandwidth Test

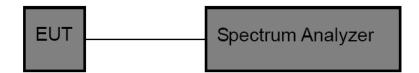
7.1 Test Standard and Limit

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	Test Item Limit					
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.



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8. Peak Output Power Test

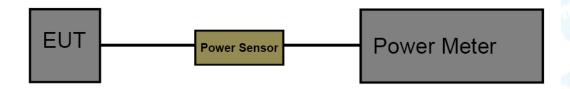
8.1 Test Standard and Limit

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.



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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.



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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.

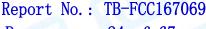
10.2 Antenna Connected Construction

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.

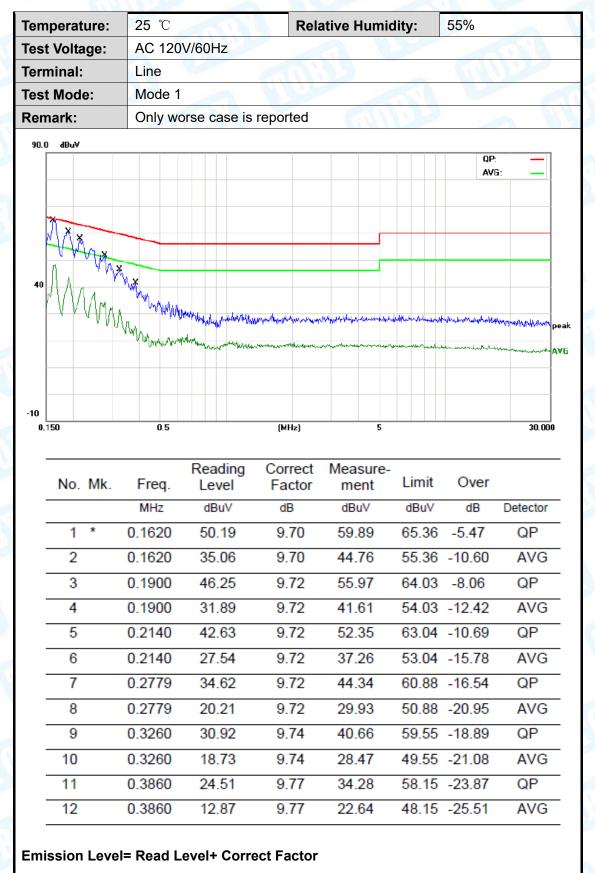
Antenna Type				
⊠Permanent attached antenna				
Unique connector antenna				
Professional installation antenna				





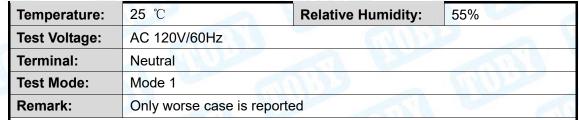
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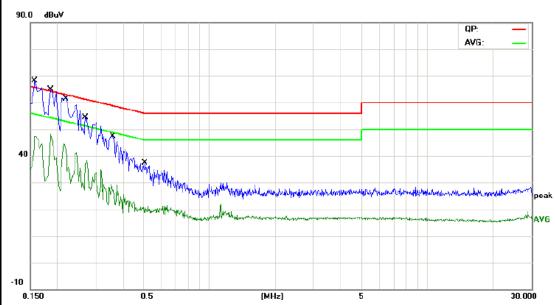
Attachment A-- Conducted Emission Test Data





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No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1 *	0.1580	52.28	9.67	61.95	65.56	-3.61	QP
2	0.1580	34.17	9.67	43.84	55.56	-11.72	AVG
3	0.1860	49.17	9.69	58.86	64.21	-5.35	QP
4	0.1860	32.22	9.69	41.91	54.21	-12.30	AVG
5	0.2220	44.62	9.69	54.31	62.74	-8.43	QP
6	0.2220	27.57	9.69	37.26	52.74	-15.48	AVG
7	0.2700	40.52	9.70	50.22	61.12	-10.90	QP
8	0.2700	25.80	9.70	35.50	51.12	-15.62	AVG
9	0.3580	30.76	9.72	40.48	58.77	-18.29	QP
10	0.3580	15.66	9.72	25.38	48.77	-23.39	AVG
11	0.5060	17.43	9.72	27.15	56.00	-28.85	QP
12	0.5060	7.62	9.72	17.34	46.00	-28.66	AVG



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Attachment B-- Radiated Emission Test Data

9KHz~30MHz

From 9KHz to 30MHz: Conclusion: PASS

Emission Level= Read Level+ Correct Factor

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

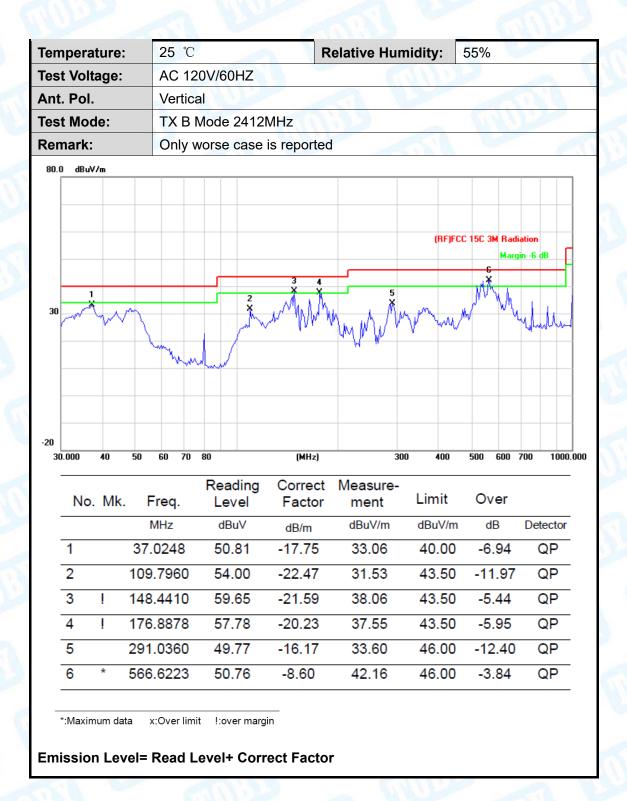
below the permissible value has no need to be reported.

30MHz~1GHz

Гem	perat	ure:		25	$^{\circ}$ C	M				Relat	ive l	lumi	dity	': !	55%		1
Tes	t Volta	age:		AC	120)V/6	60H	ΙZ					d	EW)	1	نياز	
۱nt	. Pol.			Hor	izor	ntal		N	THIS			1	1		je.		
Tes [*]	t Mod	e:		TX	BN	lod	e 24	412	MHz	A						1	1111
Ren	nark:			Onl	y w	ors	e ca	ase	is reporte	d				45			
80.0	0 dBuV/	/m															
30	~~~~	· · · · · · · · · · · · · · · · · · ·	~	~~~				<i></i>		3	***************************************	5	RFJFC	C 15C :		diation gin -6 d	B
-20 30	0.000	40	50	60	70	80			(MHz)		300	0	400	500	600	700	1000.00
	No.	Mk.	ı	Freq	-		ead .eve	ing el	Correct Factor	Measui ment		Limit	t	Ove	er		
				MHz		(dBu\	V	dB/m	dBuV/r	n	dBuV	//m	dB	}	Detec	tor
	1		145	5.350	06	5	3.7	' 0	-21.91	31.79)	43.5	50	-11.	71	QF	D
	2		170	0.792	26	5	3.9	9	-20.46	33.53	3	43.5	50	-9.9	97	QF	0
	3		242	2.525	53	5	5.5	55	-17.48	38.07	,	46.0	00	-7.9	93	QF	O
-	4	*	291	1.036	60	5	8.2	29	-16.17	42.12	2	46.0	00	-3.8	38	QF	<u> </u>
	5		377	7.259	91	5	0.9	96	-13.13	37.83	3	46.0	00	-8.	17	QF	D
	6		700	0.703	20		4.1	7	-6.21	37.96		46.0	10	-8.0	24	QF	_



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Above 1GHz

Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz	11:30	
Remark:	No report for the emission	which more than 10 de	B below the prescribed
	limit.		THE STATE OF THE S

No	o. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	er	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	
1		4823.574	46.58	14.55	61.13	74.00	-12.87	peak	
2	*	4823.604	29.49	14.55	44.04	54.00	-9.96	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 2412MI	Hz	011
Remark:	No report for the en	nission which more than 10 dB	below the
	prescribed limit.		1113
1			

No	. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.924	48.32	14.55	62.87	74.00	-11.13	peak
2	*	4824.924	34.06	14.55	48.61	54.00	-5.39	AVG



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2437MHz		MAD.
Remark:	No report for the emis prescribed limit.	sion which more than 10 d	3 below the

No.	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.562	44.05	14.86	58.91	74.00	-15.09	peak
2	*	4873.562	29.23	14.86	44.09	54.00	-9.91	AVG

Emission Level= Read Level+ Correct Factor

25 ℃	Relative Humidity:	55%		
AC 120V/60HZ				
Vertical				
TX B Mode 2437MHz	1	100		
No report for the emission	which more than 10 dE	B 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.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.990	48.85	14.86	63.71	74.00	-10.29	peak
2	*	4875.218	34.45	14.87	49.32	54.00	-4.68	AVG



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz	1333	CHI.
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		4925.128	43.87	15.19	59.06	74.00	-14.94	peak
2	*	4925.182	29.59	15.19	44.78	54.00	-9.22	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		THE STATE OF THE S
Remark:	No report for the emis	ssion which more than 10 dE	3 below the
	processed mine		

No	. Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	×	4924.234	29.60	15.17	44.77	54.00	-9.23	AVG
2		4924.558	48.48	15.17	63.65	74.00	-10.35	peak



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz	1:33	C. A. C.
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.		A W

No	o. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.220	45.05	14.55	59.60	74.00	-14.40	peak
2	*	4825.056	30.32	14.56	44.88	54.00	-9.12	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ				
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2412MHz	TX G Mode 2412MHz				
Remark:	No report for the emissio	No report for the emission which more than 10 dB below the				
	prescribed limit.		1111			

N	o. Mk	. Freq.	_		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4822.500	29.49	14.55	44.04	54.00	-9.96	AVG
2		4825.008	44.01	14.55	58.56	74.00	-15.44	peak



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2437MH	z	UNIT
Remark:	No report for the emi prescribed limit.	ssion which more than 10 dE	3 below the

N	o. N	Иk.	Freq.	_	Correct Factor	Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*		4874.708	29.25	14.86	44.11	54.00	-9.89	AVG
2			4874.726	43.60	14.86	58.46	74.00	-15.54	peak

Emission Level= Read Level+ Correct Factor

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

No.	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4875.236	42.89	14.87	57.76	74.00	-16.24	peak
2	*	4875.236	29.26	14.87	44.13	54.00	-9.87	AVG



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Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		C. C.
Remark:	No report for the emission	which more than 10 de	B below the
	prescribed limit.	CALLED STATE	- 11

No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4924.798	43.46	15.18	58.64	74.00	-15.36	peak
2	*	4925.182	29.57	15.19	44.76	54.00	-9.24	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 ℃	Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ	AC 120V/60HZ				
Ant. Pol.	Vertical					
Test Mode:	TX G Mode 2462MHz	TX G Mode 2462MHz				
Remark:	No report for the emission	No report for the emission which more than 10 dB below the				
	prescribed limit.		6:17			

No	. Mk	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4923.292	29.54	15.17	44.71	54.00	-9.29	AVG
2		4924.630	43.93	15.17	59.10	74.00	-14.90	peak



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Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60HZ				
Ant. Pol.	Horizontal				
Test Mode:	TX N(HT20) Mode 2412M	TX N(HT20) Mode 2412MHz			
Remark:	No report for the emission	which more than 10 de	B below the		
	prescribed limit.		- N. M.		

No.	. Mk	Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4824.630	45.80	14.55	60.35	74.00	-13.65	peak
2	*	4824.714	30.27	14.55	44.82	54.00	-9.18	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 2412	TX N(HT20) Mode 2412MHz				
Remark:	No report for the emiss	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	*	4822.656	29.47	14.55	44.02	54.00	-9.98	AVG
2		4822.710	43.73	14.55	58.28	74.00	-15.72	peak



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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 which more than 10 dB below the					
	prescribed limit.		- N. M.			

No.	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4872.548	43.17	14.85	58.02	74.00	-15.98	peak
2	*	4875.260	29.25	14.87	44.12	54.00	-9.88	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.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.108	43.70	14.86	58.56	74.00	-15.44	peak
2	*	4875.080	29.27	14.87	44.14	54.00	-9.86	AVG



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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		4924.774	43.80	15.18	58.98	74.00	-15.02	peak
2	*	4925.188	29.55	15.19	44.74	54.00	-9.26	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 2462MH	TX N(HT20) Mode 2462MHz				
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

No	o. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.728	43.26	15.17	58.43	74.00	-15.57	peak
2	*	4925.344	29.57	15.19	44.76	54.00	-9.24	AVG



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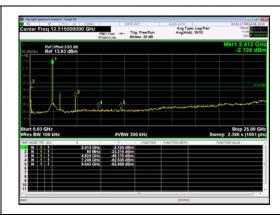
Conducted RF Spurious Emission Test Data

Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120/60Hz						
Test Mode:	TX B Mode	TX B Mode					
Remark:	emark: This report only shall the worst case mode for TX IEEE 802.11b.						

2412 MHz

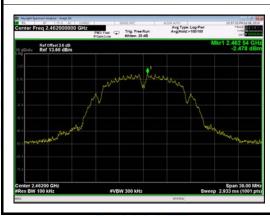
0.03GHz-26.5GHz





2462 MHz

0.03GHz-26.5GHz



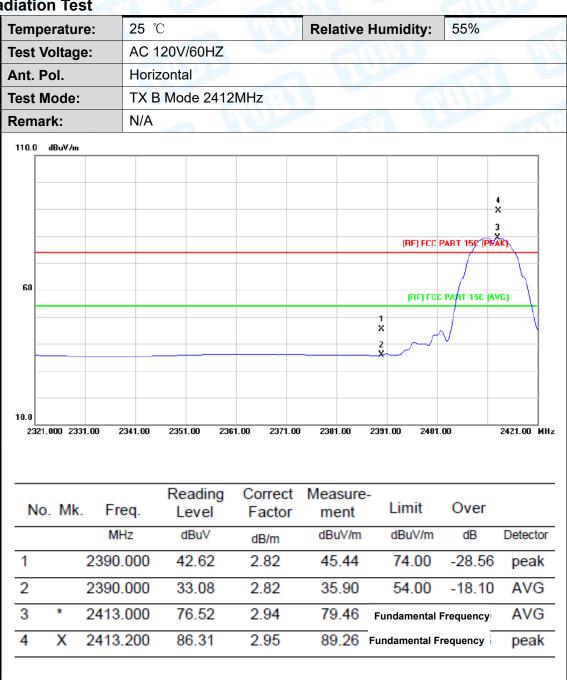




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Attachment C-- Restricted Bands Requirement and **Band-edge Test Data**

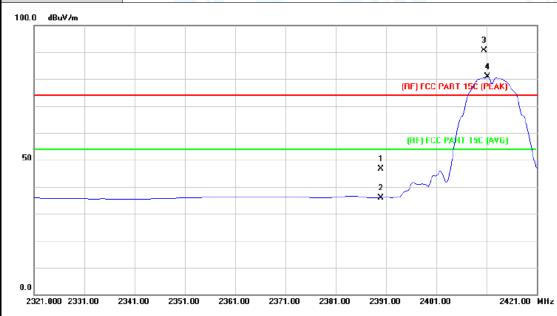
(1) Radiation Test





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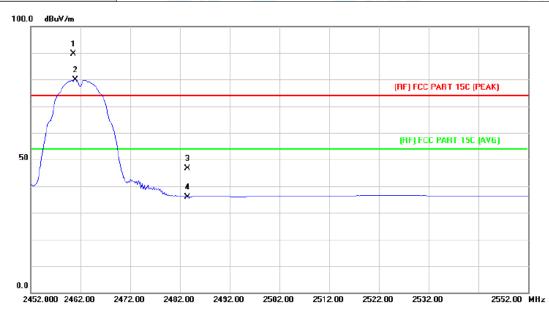


No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	43.78	2.82	46.60	74.00	-27.40	peak
2		2390.000	33.14	2.82	35.96	54.00	-18.04	AVG
3	Х	2410.600	87.59	2.93	90.52	- Fundamenta	I Frequency	peak
4	*	2411.200	77.90	2.94	80.84	 Fundamenta	l Frequency	AVG



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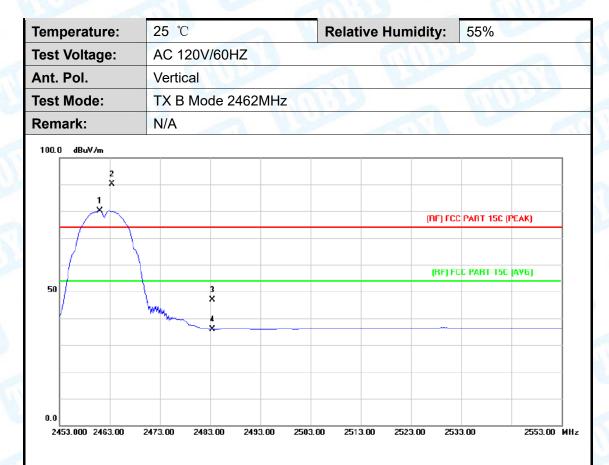
Temperature:	25 ℃	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal	Horizontal						
Test Mode:	TX B Mode 2462MHz	U.37	MIND.					
Remark:	N/A							
100.0 dBuV/m								



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Х	2460.600	86.30	3.26	89.56	Fundamental Frequency		peak
2	×	2461.000	76.62	3.26	79.88	Fundamental F	requency}	AVG
3		2483.500	43.26	3.41	46.67	74.00	-27.33	peak
4		2483.500	32.53	3.41	35.94	54.00	-18.06	AVG



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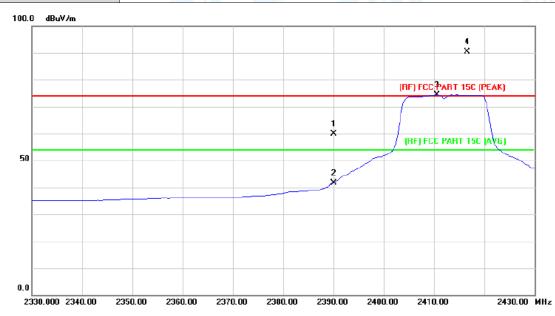


No.	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2461.000	76.78	3.26	80.04	Fundamental F	requency [‡]	AVG
2	X	2463.400	86.94	3.28	90.22	Fundamental F	requency ²	peak
3		2483.500	43.55	3.41	46.96	74.00	-27.04	peak
4		2483.500	32.52	3.41	35.93	54.00	-18.07	AVG



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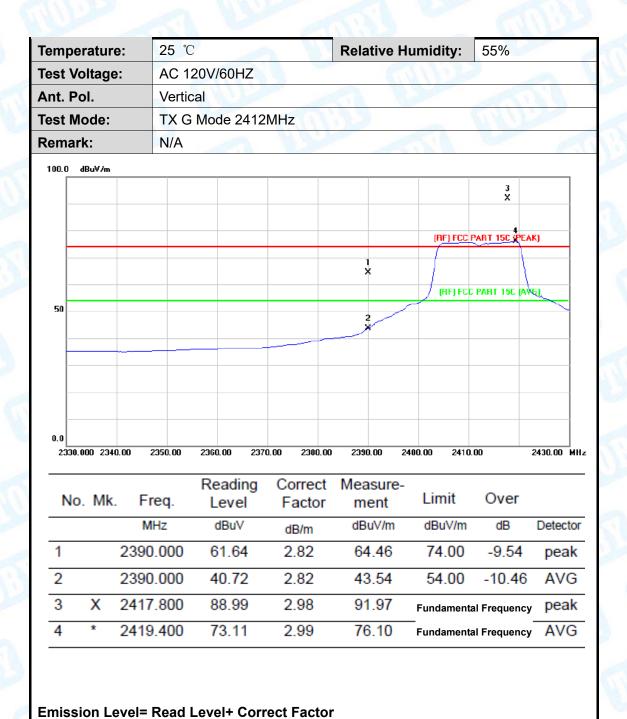
Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2412MHz		CHO.				
Remark:	Remark: N/A						
100 0 JD.V.L.							



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	57.13	2.82	59.95	74.00	-14.05	peak
2		2390.000	38.84	2.82	41.66	54.00	-12.34	AVG
3	*	2410.600	71.38	2.93	74.31	— Fundamenta	l Frequency	AVG
4	X	2416.600	87.48	2.97	90.45	- Fundamental	Frequency	peak



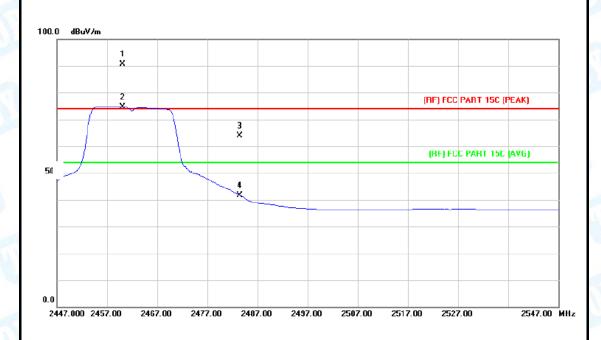
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		A REAL PROPERTY AND ADDRESS OF THE PARTY AND A			
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60HZ				
Ant. Pol.	Horizontal				
Test Mode:	TX G Mode 2462MHz	1,373	U.H.		
Remark:	N/A				

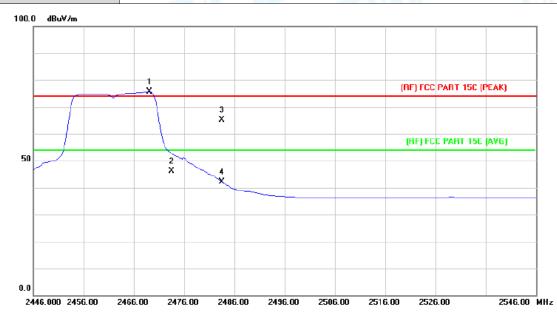


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	Χ	2460.200	87.46	3.26	90.72	Fundamental	Frequency	peak
2	*	2460.200	71.48	3.26	74.74	Fundamental	Frequency	AVG
3		2483.500	60.49	3.41	63.90	74.00	-10.10	peak
4		2483.500	38.19	3.41	41.60	54.00	-12.40	AVG



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

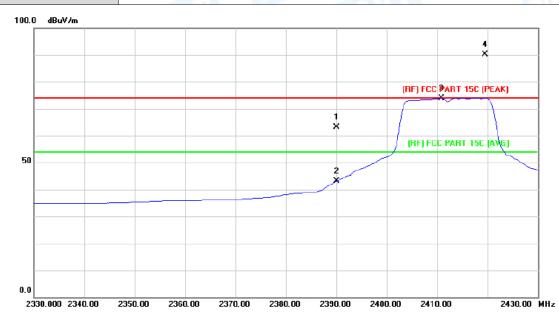


No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	— Fundamental Frequency		Detector
1	*	2469.200	72.35	3.32	75.67	Fundamenta	Frequency	AVG
2		2473.500	42.87	3.34	46.21	74.00	-27.79	peak
3		2483.500	61.81	3.41	65.22	74.00	-8.78	peak
4		2483.500	38.80	3.41	42.21	54.00	-11.79	AVG



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Temperature:	25 ℃	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Horizontal						
Test Mode:	TX N(HT20) Mode 2412MH	Z	1111				
Remark:	N/A		611				

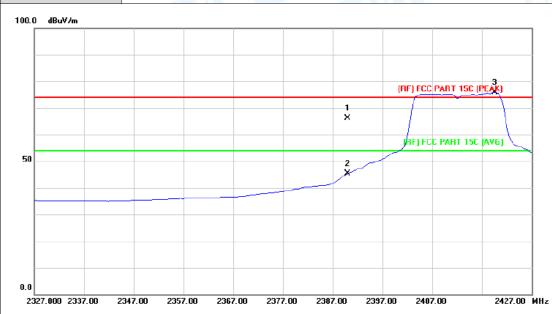


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	60.43	2.82	63.25	74.00	-10.75	peak
2		2390.000	40.26	2.82	43.08	54.00	-10.92	AVG
3	*	2410.800	70.95	2.93	73.88	Fundamental	Frequency	AVG
4	X	2419.600	87.02	2.99	90.01	- Fundamental	Frequency	peak



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

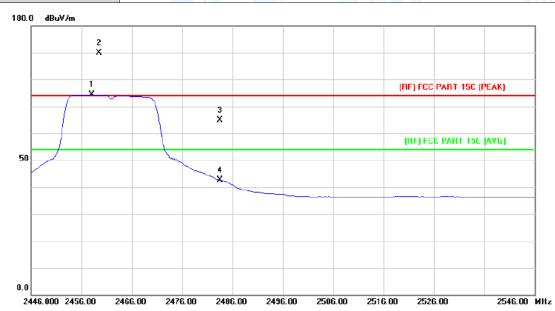


No	. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		2390.000	63.38	2.82	66.20	74.00	-7.80	peak
2		2390.000	42.50	2.82	45.32	Fundament	al Frequency	peak
3	*	2419.600	72.85	2.99	75.84	Fundamenta	l Frequency	peak



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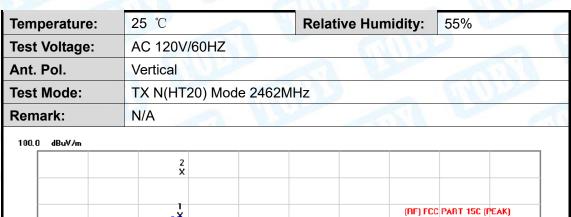
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462MH	z	MAIN.
Remark:	N/A		



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2458.000	71.02	3.24	74.26	- Fundamental F	requency	AVG
2	X	2459.600	86.71	3.26	89.97	- Fundamental I	requency	peak
3		2483.500	61.56	3.41	64.97	74.00	-9.03	peak
4		2483.500	39.18	3.41	42.59	54.00	-11.41	AVG



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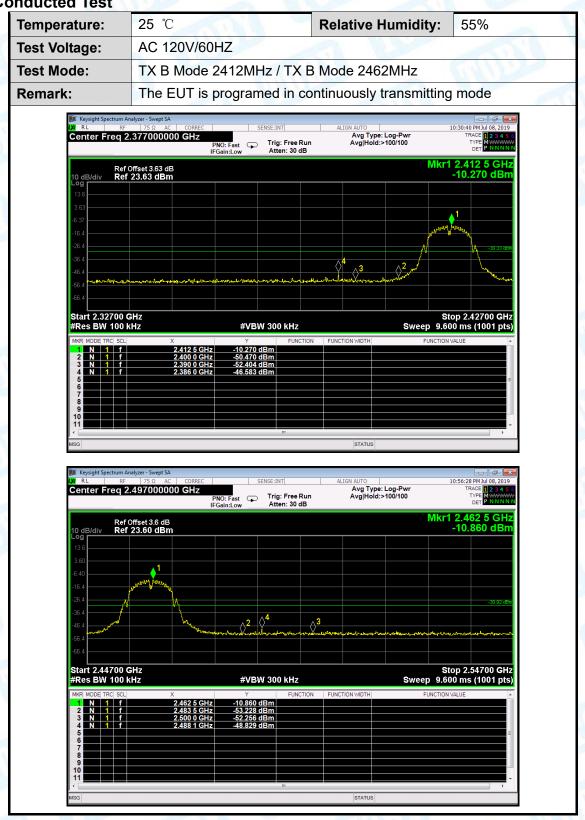
	2 X						
	1 X				(RF) FCC	PART 15C (F	PEAK)
	\		3 X				
		\			(RF) FC	C PART 15C	(AVG)
مرر			4 X				

No	o. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	×	2469.400	72.05	3.32	75.37	Fundamental	Frequency	AVG
2	Χ	2469.800	88.25	3.32	91.57	Fundamental	Frequency	peak
3		2483.500	62.30	3.41	65.71	74.00	-8.29	peak
4		2483.500	39.80	3.41	43.21	54.00	-10.79	AVG



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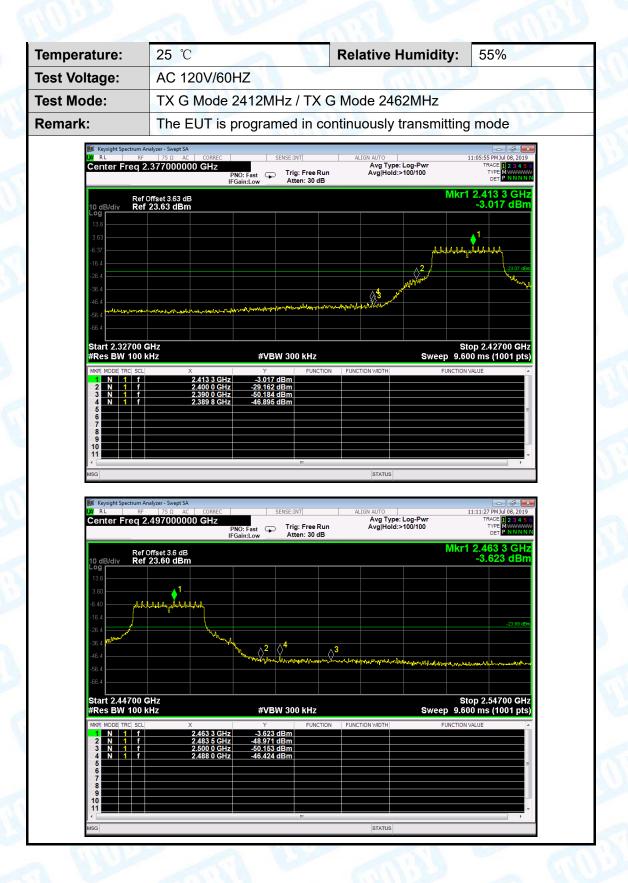






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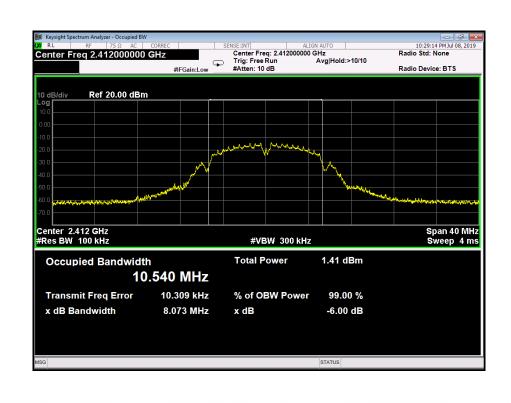


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Attachment D-- Bandwidth Test Data

Temperature:	25	5 °C	Relative Humidity:	55%
Test Voltage:	AC	AC 120V/60HZ		
Test Mode:	T>	K 802.11B Mode	1:19	CHILD TO SERVICE STATE OF THE PARTY OF THE P
Channel frequen	су	6dB Bandwidth	99% Bandwidth	Limit
(MHz)		(MHz)	(MHz)	(MHz)
(MHz) 2412		(MHz) 8.073	(MHz) 10.540	(MHz)
` ,		, ,	,	(MHz) >=0.5
2412		8.073	10.540	

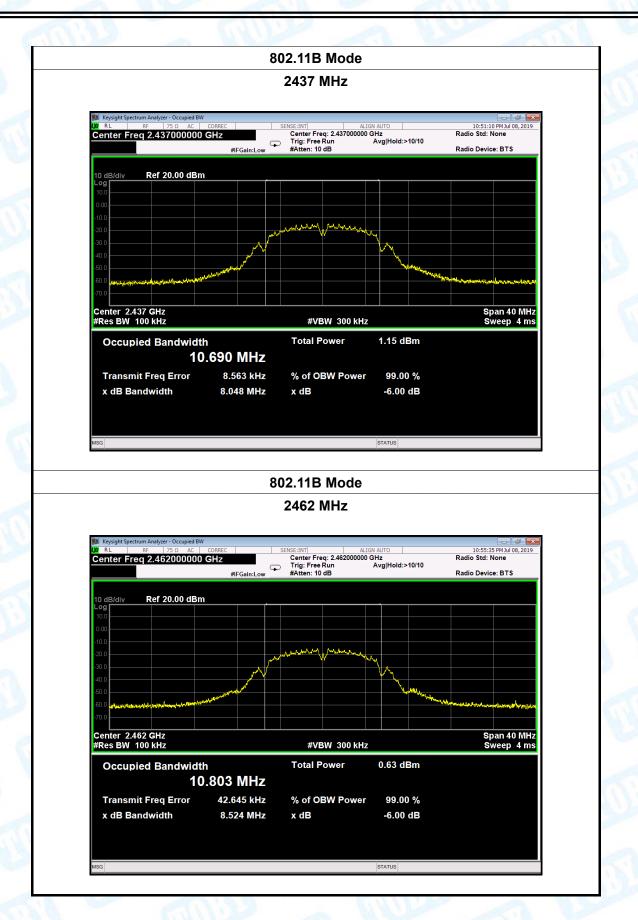
802.11B Mode





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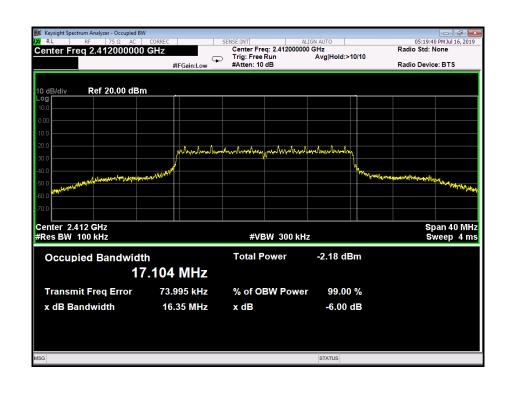




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Temperature:	25 ℃		Relative Humidity:	55%	
Test Voltage:	AC 120V/60HZ				
Test Mode:	est Mode: TX 802.11G Mode				
Channel frequen	су	6dB Bandwidth	99% Bandwidth	Limit	
(MHz)		(MHz)	(MHz)	(MHz)	
2412		16.35	17.104		
2437		16.36	17.233	>=0.5	
2462		16.37	17.455		
	u u	902 116	Modo	1	

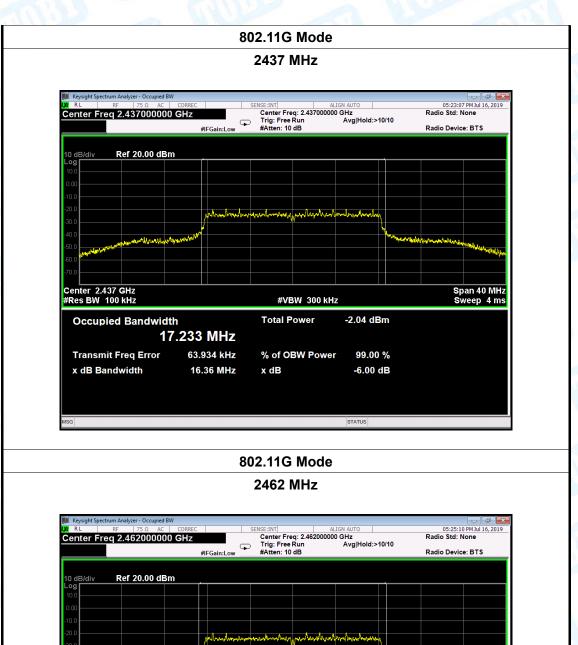
802.11G Mode





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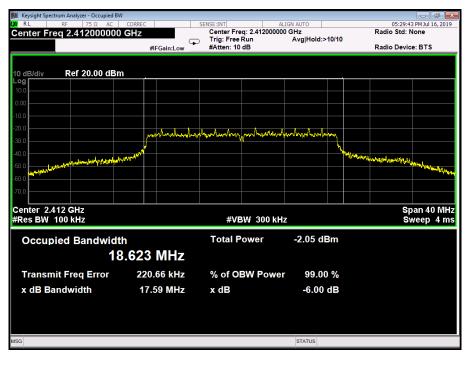






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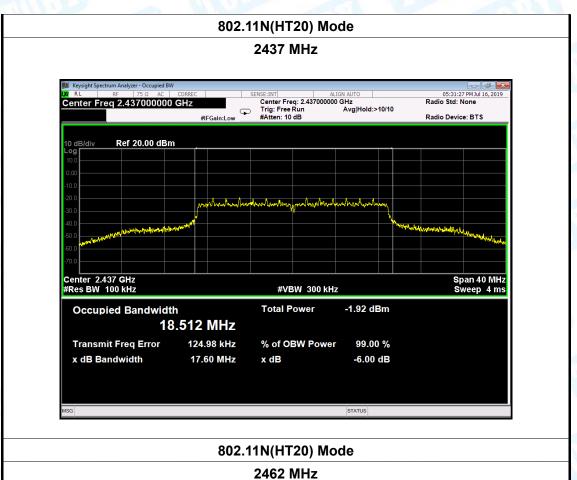
Temperature:	25 ℃	Relative Humidity:	55%		
Test Voltage:	AC 120V/60HZ				
Test Mode:	ode: TX 802.11N(HT20) Mode				
Channel frequer	cy 6dB Bandwidt	h 99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	17.59	18.623			
2437	17.60	18.512	>=0.5		
2462	17.60	18.728			
	802.11N	I(HT20) Mode			
	24	112 MHz			

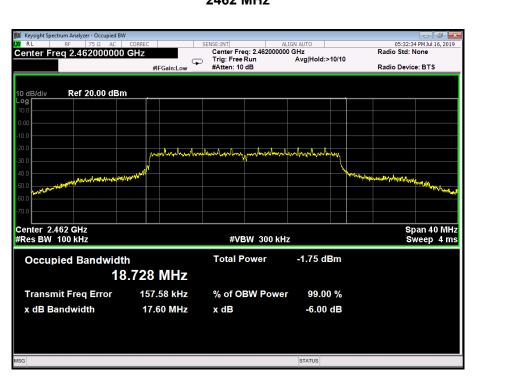




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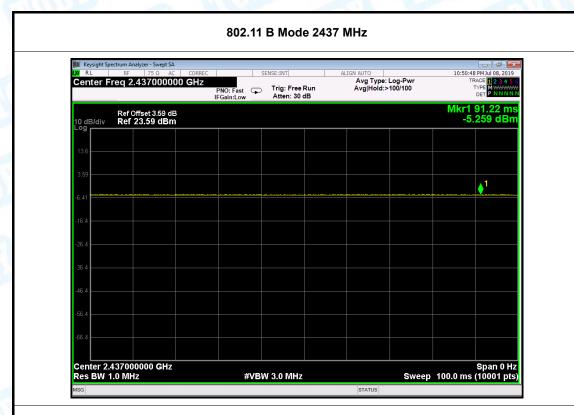
Attachment E-- Peak Output Power Test Data

Test Conditions	: Continuous transm	itting Mode	
Temperature:	25 ℃	Relative Humidity	: 55%
Test Voltage:	AC 120V/60HZ	77112	CHILL.
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	0.341	
802.11b	2437	0.374	
	2462	-0.04	
	2412	0.549	
802.11g	2437	0.788	30
	2462	0.981	
000 44	2412	0.723	
802.11n	2437	0.815	
(HT20)	2462	1.014	
-	Resu	ult: PASS	

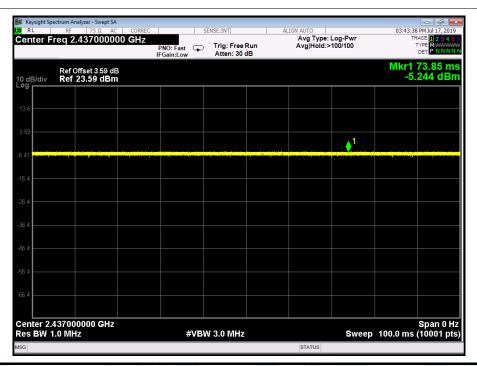
	Duty Cycle)
Mode	Channel frequency (MHz)	Test Result
	2412	
802.11b	2437	
	2462	
	2412	
802.11g	2437	>98%
	2462	
000 44	2412	
802.11n (HT20)	2437	
(11120)	2462	



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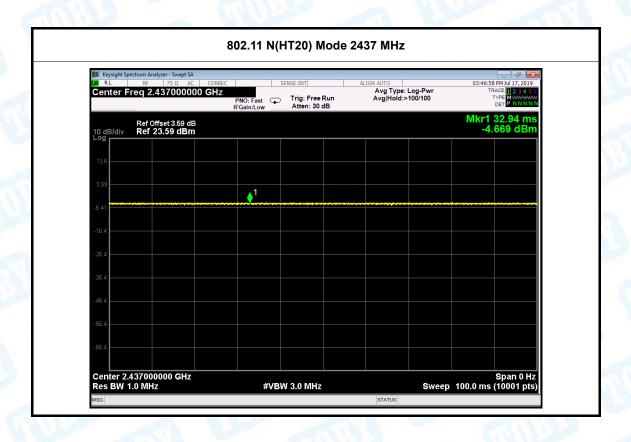








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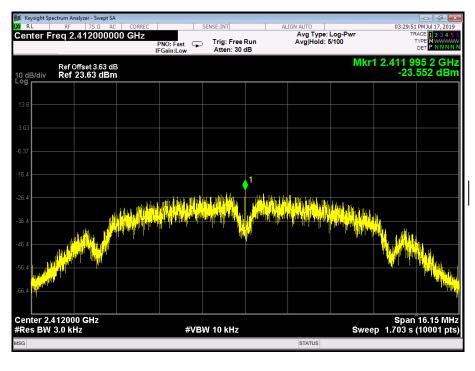


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Attachment F-- Power Spectral Density Test Data

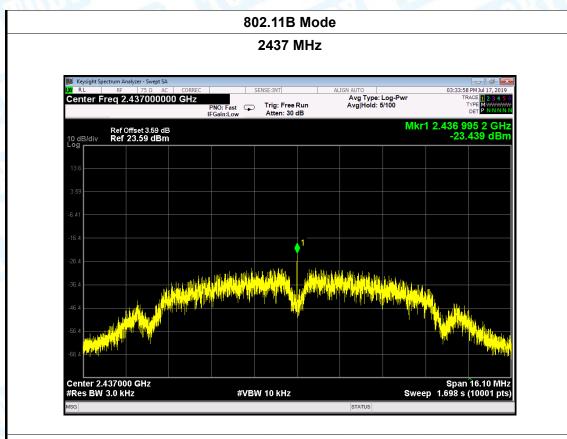
Temperature:	25 °C		Relative Hum	idity:	55%	
Test Voltage:	AC 120V/60HZ					
Test Mode:	TX 802.11B Mode					
Channel Frequency		Power Density		Limit		
(MHz)		(dBm/3 kHz)		(dBm/3kHz)		
2412		-23.552				
2437		-23.439			8	
2462		-22.230				

802.11B Mode

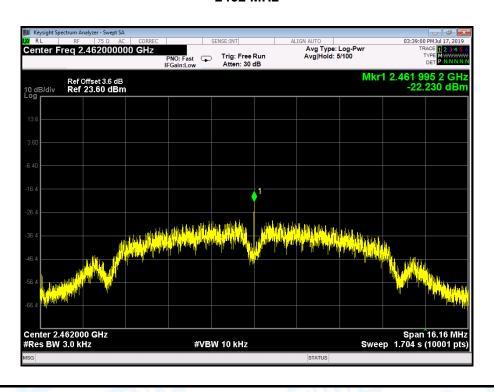




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802.11B Mode

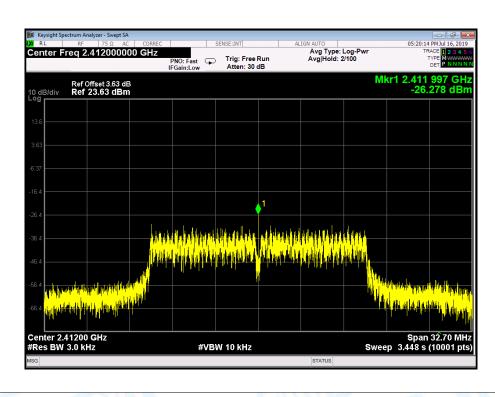




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Temperature:	25 ℃		Temper	ature:	25 ℃	
Test Voltage:	AC 120V/60HZ					
Test Mode:	TX 802.11G Mode					
Channel Frequency		Power Density			Limit	
(MHz)		(dBm/3 kHz)		(dBm/3kHz)		
2412		-26.278				
2437		-23.874			8	
2462		-25.704				
		802 11	G Mode			

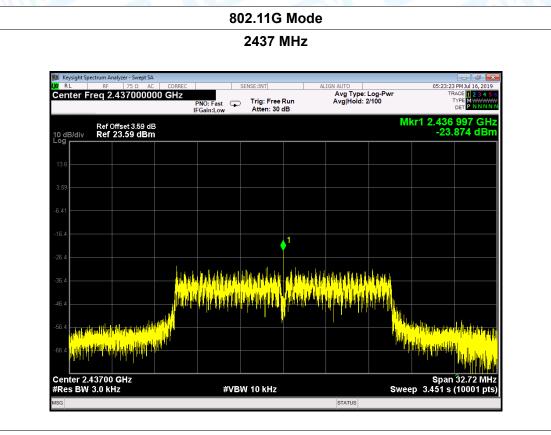
SUZ.TIG IVIOU



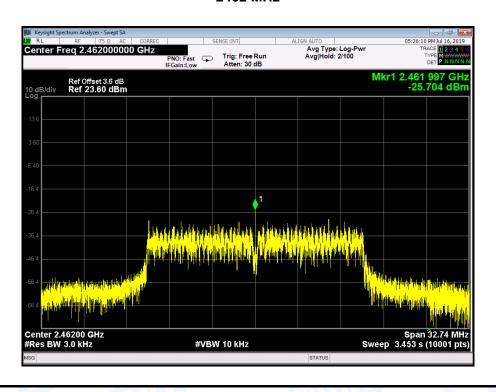


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802.11G Mode

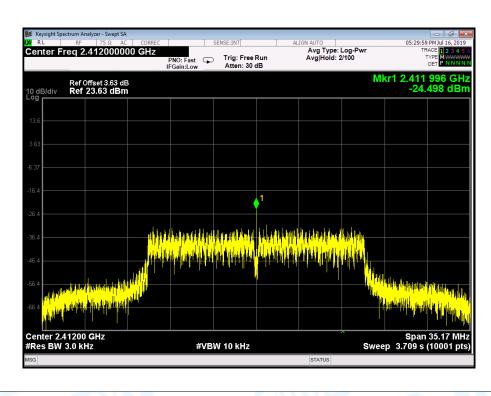




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Temperature:	25 ℃		Temperature:	25 ℃			
Test Voltage:	AC 120V/60HZ						
Test Mode:	TX 802.11N(HT20) Mode						
Channel Frequency		Power Density		Limit			
(MHz)		(dBm/3 kHz)		(dBm/3kHz)			
2412		-24.498					
2437		-25.649		8			
2462		-25.704					
		902 44N/UT2	0) Modo				

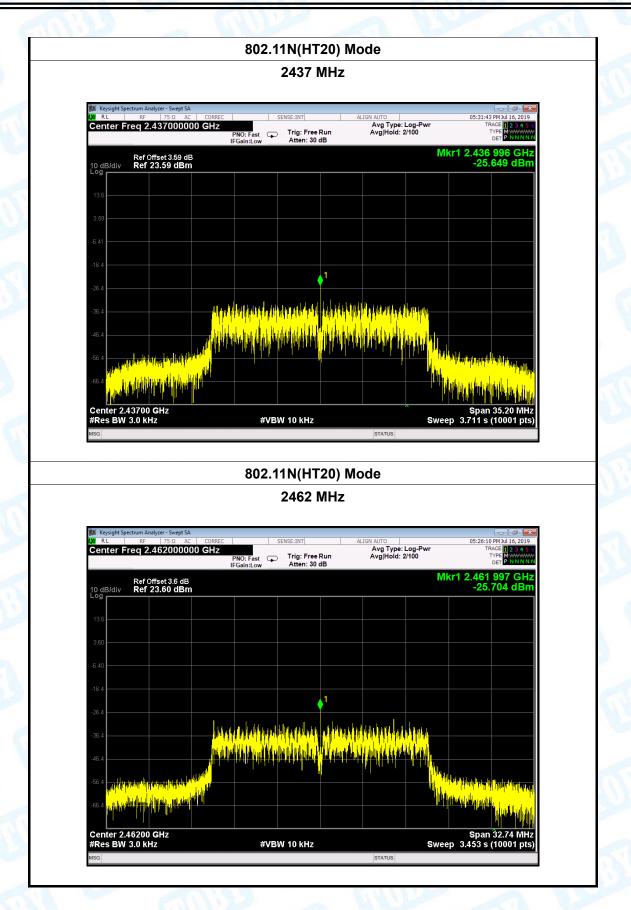
802.11N(HT20) Mode





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