

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC163527

1 of 78 Page:

FCC Radio Test Report FCC ID: 2AKBP-X61

Original Grant

Report No. TB-FCC163527

Applicant Shenzhen Hysiry Technology Co., Ltd.

Equipment Under Test (EUT)

EUT Name WiFi Smart Plug

Model No. X61

X6, X6P Series Model No.

Brand Name

2018-12-19 **Receipt Date**

2018-12-19 to 2018-12-28 **Test Date**

Issue Date 2018-12-29

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

Test Method ANSI C63.10: 2013

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

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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Page: 2 of 78

Contents

COI	NTENTS	2
1.	GENERAL INFORMATION ABOUT EUT	5
	1.1 Client Information	5
	1.2 General Description of EUT (Equipment Under Test)	
	1.3 Block Diagram Showing the Configuration of System Tested	
	1.4 Description of Support Units	7
	1.5 Description of Test Mode	7
	1.6 Description of Test Software Setting	9
	1.7 Measurement Uncertainty	9
	1.8 Test Facility	10
2.	TEST SUMMARY	11
3.	TEST EQUIPMENT	12
4.	CONDUCTED EMISSION TEST	13
	4.1 Test Standard and Limit	
	4.2 Test Setup	
	4.3 Test Procedure	
	4.4 EUT Operating Mode	14
	4.5 Test Data	
5.	RADIATED EMISSION TEST	15
	5.1 Test Standard and Limit	
	5.2 Test Setup	16
	5.3 Test Procedure	17
	5.4 EUT Operating Condition	18
	5.5 Test Data	18
6.	RESTRICTED BANDS REQUIREMENT	19
	6.1 Test Standard and Limit	19
	6.2 Test Setup	19
	6.3 Test Procedure	19
	6.4 EUT Operating Condition	20
	6.5 Test Data	20
7.	BANDWIDTH TEST	21
	7.1 Test Standard and Limit	21
	7.2 Test Setup	
	7.3 Test Procedure	21
	7.4 EUT Operating Condition	21
	7.5 Test Data	
8.	PEAK OUTPUT POWER TEST	22
	8.1 Test Standard and Limit	22



Page: 3 of 78

	8.2 Test Setup	22
	8.3 Test Procedure	22
	8.4 EUT Operating Condition	22
	8.5 Test Data	
9.	POWER SPECTRAL DENSITY TEST	
	9.1 Test Standard and Limit	
	9.2 Test Setup	
	9.3 Test Procedure	
	9.4 EUT Operating Condition	23
	9.5 Test Data	23
10.	ANTENNA REQUIREMENT	
	10.1 Standard Requirement	24
	10.2 Antenna Connected Construction	24
ATT	ACHMENT A CONDUCTED EMISSION TEST DATA	25
	ACHMENT B RADIATED EMISSION TEST DATA	
	ACHMENT C RESTRICTED BANDS REQUIREMENT TEST DATA	
	ACHMENT D BANDWIDTH TEST DATA	
	ACHMENT E PEAK OUTPUT POWER TEST DATA	
	ACHMENT F POWER SPECTRAL DENSITY TEST DATA	



Page: 4 of 78

Revision History

Report No.	Version	Description	Issued Date
TB-FCC163527	Rev.01	Initial issue of report	2018-12-29
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Page: 5 of 78

1. General Information about EUT

1.1 Client Information

Applicant		Shenzhen Hysiry Technology Co., Ltd.
		No.524, BLDG A, One square world NET Industry Park, Xia Wei Yuan Wan Li Hua Industrial Zone, XiXiang Street, BaoAn District, ShenZhen, China
Manufacturer : Shenzhen Hysiry Technology Co., Ltd		Shenzhen Hysiry Technology Co., Ltd.
Address		No.524, BLDG A, One square world NET Industry Park, Xia Wei Yuan Wan Li Hua Industrial Zone, XiXiang Street, BaoAn District, ShenZhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name : WiFi Smart Plug							
Models No.	:	X61, X6, X6P					
Model Different		11111	Il these models are the same PCB, layout and electrical circuit, the nly different is appearance.				
6000		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: 0.98dBm 802.11g: 8.66dBm 802.11n (HT20): 8.72dBm				
Product		Antenna Gain:	1dBi PCB Antenna				
Description	F	Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)				
TOTAL TOTAL		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: AC100~240V,10 Output: AC100~240V,1					
Software Version	:	N/A					
Hardware Version	6.0	N/A					
Connecting I/O Port(S)		Please refer to the Use	er's Manual				



Page: 6 of 78

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.

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



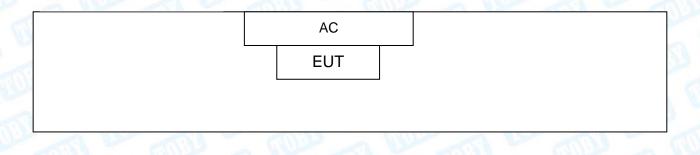
Page: 7 of 78

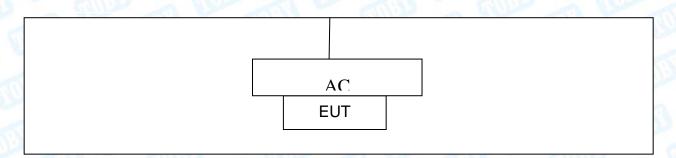
(3) Channel List:

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 1	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.



Page: 8 of 78

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

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	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: 9 of 78

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	THE PARTY OF THE P	SecureCRT.exe	TO DE LA
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	80	80	80
IEEE 802.11g OFDM	65	65	65
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})
CITY CITY	Level Accuracy:	
Conducted Emission	9kHz~150kHz	±3.42 dB
	150kHz to 30MHz	±3.42 dB
Dedicted Foriation	Level Accuracy:	4 00 dD
Radiated Emission	9kHz to 30 MHz	±4.60 dB
Dedicted Emission	Level Accuracy:	. 4 40 dD
Radiated Emission	30MHz to 1000 MHz	±4.40 dB
Dedicted Emission	Level Accuracy:	. 4.20. 40
Radiated Emission	Above 1000MHz	±4.20 dB



Page: 10 of 78

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.

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: 11 of 78

2. Test Summary

	FCC Part	t 15 Subpart C(15.247)/ RSS 247	' Issue 2	
Standa	rd Section	Tool Hom	ludament	Domorle
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 5.2 (1)	6dB Bandwidth	PASS	N/A
15.247(b)	RSS 247 5.4 (4)	Peak Output Power	PASS	N/A
15.247(e)	RSS 247 5.2 (2)	Power Spectral Density	PASS	N/A
15.247(d)	RSS 247 5.5	Band Edge	PASS	N/A
15.247(d)& 15.209	RSS 247 5.5	Transmitter Radiated Spurious Emission	PASS	N/A

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

N/A is an abbreviation for Not Applicable.



Page: 12 of 78

3. Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 18, 2018	Jul. 17, 2019
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 18, 2018	Jul. 17, 2019
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 18, 2018	Jul. 17, 2019
LISN	Rohde & Schwarz	ENV216	101131	Jul. 18, 2018	Jul. 17, 2019
Radiation Emission	n Test		1	-	
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 18, 2018	Jul. 17, 2019
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 18, 2018	Jul. 17, 2019
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.16, 2018	Mar. 15, 2019
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.16, 2018	Mar. 15, 2019
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.16, 2018	Mar. 15, 2019
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.16, 2018	Mar. 15, 2019
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 14, 2018	Jul. 13, 2019
Pre-amplifier	Sonoma	310N	185903	Mar.17, 2018	Mar. 16, 2019
Pre-amplifier	HP	8449B	3008A00849	Mar.17, 2018	Mar. 16, 2019
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.17, 2018	Mar. 16, 2019
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducto	ed Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 18, 2018	Jul. 17, 2019
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 18, 2018	Jul. 17, 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 Daws - Oas	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: 13 of 78

4. Conducted Emission Test

4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

4.1.2 Test Limit

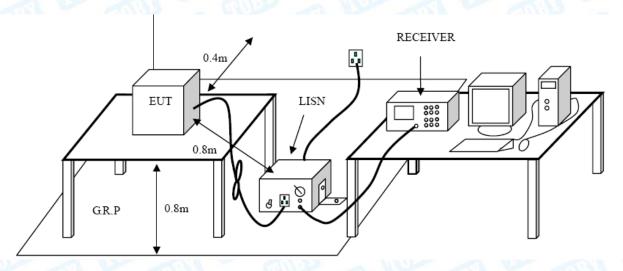
Conducted Emission Test Limit

Eroguenov	Maximum RF Lin	e 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: 14 of 78

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: 15 of 78

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 (1)
88~216	150	3 40%
216~960	200	3
Above 960	500	3

Radiated Emission Limit (Above 1000MHz)

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

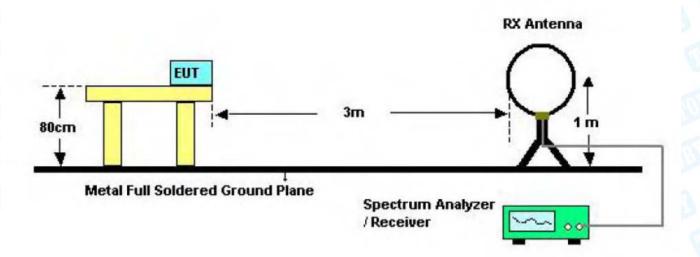
Note:

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

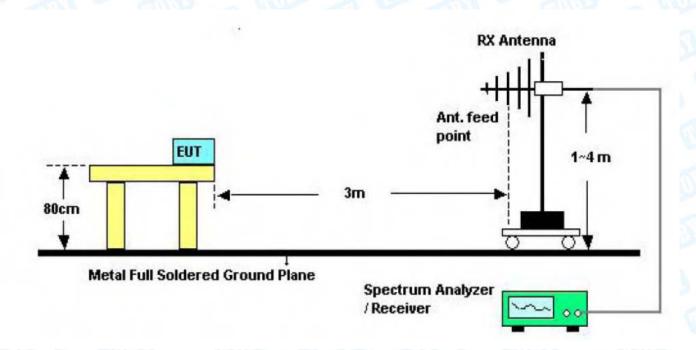


Page: 16 of 78

5.2 Test Setup



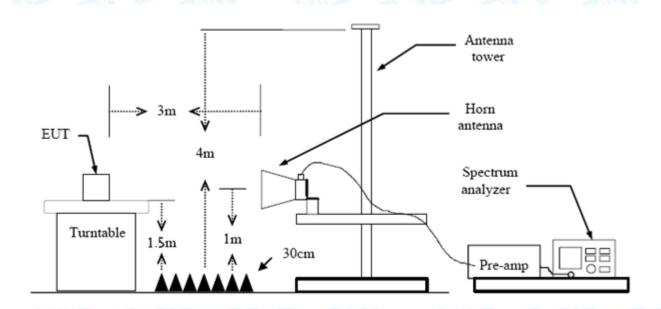
Below 30MHz Test Setup



Below 1000MHz Test Setup



Page: 17 of 78



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: 18 of 78

(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: 19 of 78

6. Restricted Bands Requirement

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.247(d)

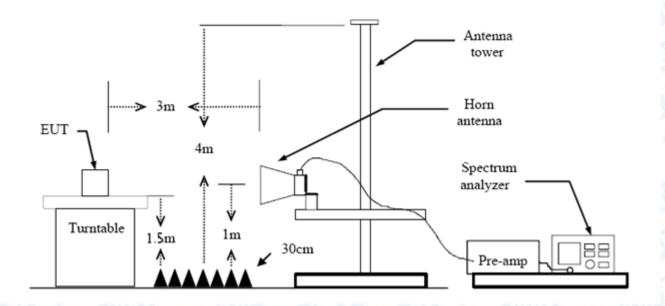
FCC Part 15.209

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: 20 of 78

(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: 21 of 78

7. Bandwidth Test

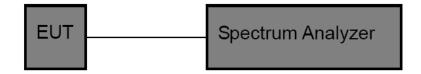
7.1 Test Standard and Limit

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 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: 22 of 78

8. Peak Output Power Test

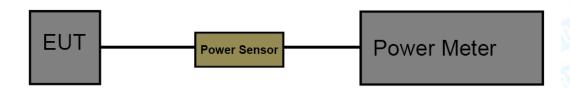
8.1 Test Standard and Limit

8.1.1 Test Standard FCC Part 15.247 (b)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)						
Test Item	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: 23 of 78

9. Power Spectral Density Test

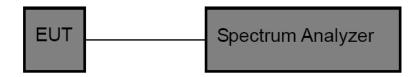
9.1 Test Standard and Limit

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: 24 of 78

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 1dBi, 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	M. T.		
M MILLS	Unique connector antenna			
THE REAL PROPERTY.	Professional installation antenna	67		



Page: 25 of 78

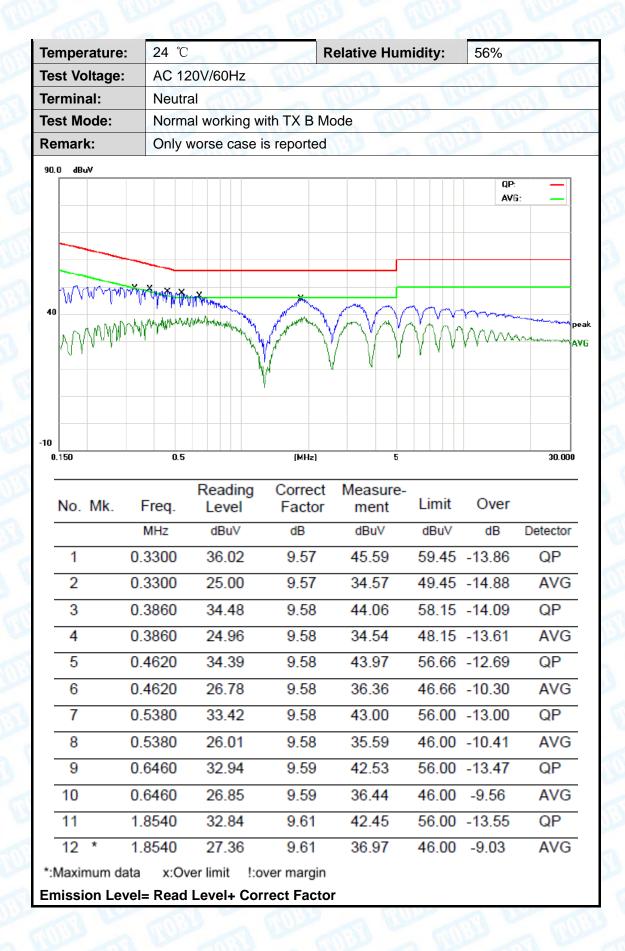
Attachment A-- Conducted Emission Test Data

TOBY

Temperatur	'e: 24 °	С	Re	lative Hum	dity:	56%	The		
Test Voltag	e: AC	120V/60Hz		MILES	a W		2		
Terminal:	Line	Line							
Test Mode:		Normal working with TX B Mode							
Remark:	Only	worse case	is reported	1111)	Will?	1		
90.0 dBuV						QP:			
						AVG			
WW	March John	XYYIIIX IIX							
40		- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	. WWW.VYHH	my m	my my my	No. party general province	pea		
N 4 W VI	Joodson and and the	WYN WYN HUMAN	N NY N	V. V. Y	\sim \sim \sim	1 A AAAAA	WANTE AVG		
	, i	S. I. A. II. A. II. A. II. A. II. A. II. A. III. A. II	M Andrew		$\bigvee\bigvee$	V V V .			
			_/\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	V V V					
			•						
-10									
0.150	C	1.5	(MHz)	5			30.000		
No Mk	Eroa	Reading	Correct	Measure-	Limit	Over	_		
No. Mk.	Freq.	Level	Factor	ment					
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector		
1	0.3220	35.62	9.59	45.21	59.65	-14.44	QP		
2	0.3220	14.62	9.59	24.21	49.65	-25.44	AVG		
3	0.3940	35.51	9.60	45.11	57.98	-12.87	QP		
4	0.3940	15.43	9.60	25.03	47.98	-22.95	AVG		
5	0.4300	35.73	9.60	45.33	57.25	-11.92	QP		
6	0.4300	16.14	9.60	25.74	47.25	-21.51	AVG		
7 *	0.5260	35.06	9.60	44.66		-11.34	QP		
8	0.5260	16.55	9.60	26.15		-19.85	AVG		
9	0.6419	34.05	9.61	43.66		-12.34	QP		
10	0.6419	16.71	9.61	26.32		-19.68	AVG		
11	0.7140	32.28	9.61	41.89	56.00	-14.11	QP		
12	0.7140	15.62	9.61	25.23	46.00	-20.77	AVG		
*:Maximum	data x:C	Over limit !:	over margin						

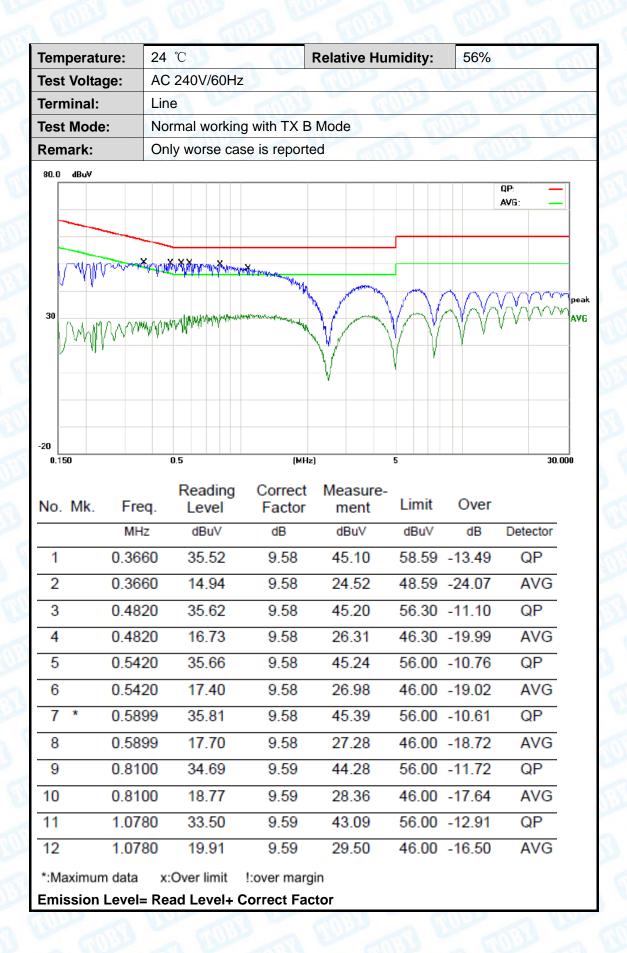


Page: 26 of 78





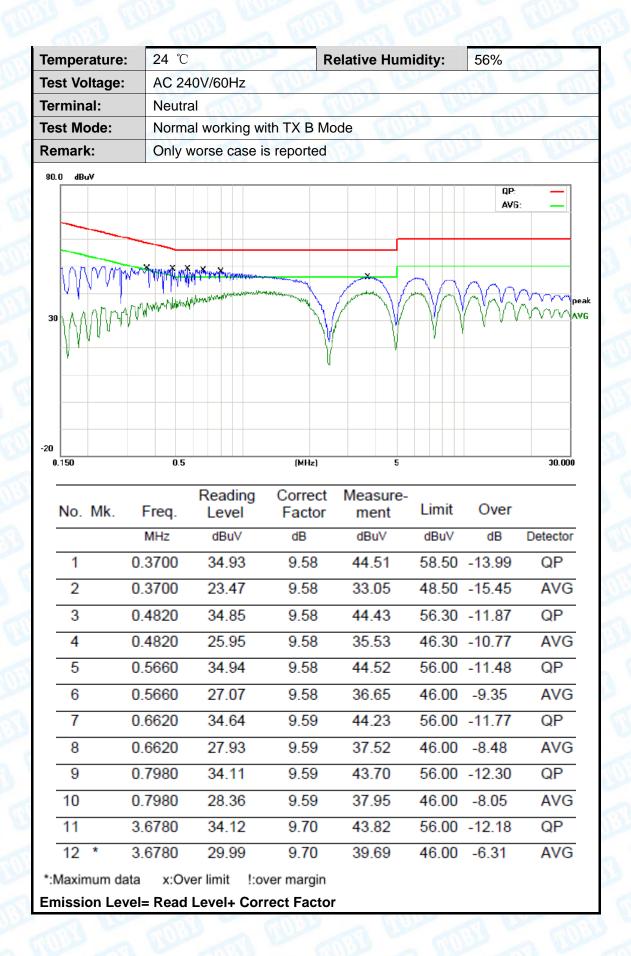
Page: 27 of 78





Page: 28 of 78







Page: 29 of 78

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

Temperature:	24 ℃	- In	111933	Relative Hu	umidity:	56%		
Test Voltage:	AC 12	AC 120V/60HZ						
Ant. Pol.	Horizo	ontal	33	CITIES !	- N	Milita	6A '	
Test Mode:	TXBI	Mode 2412	MHz	07	Time		Jida .	
Remark:	Only v	Only worse case is reported						
80.0 dBuV/m								
					(RF)FCC 1	15C 3M Radiatio		
						Margin -	6 dB	
30 7 2 3	4 ×							
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	~~\			5	6	www	payar	
, war	1		Λ . Λ	1 Anna	mm W	1 M		
			7 k - 76%	Y / W 1 / W	Wak			
	Just	www.	/ hand why	MININ	W-4.4			
	ph	mmany	/ hand Why	W " " " " "	WAY.			
	M	John Mann	/ hand hay	A V V V				
-20	JAN	J. Maran	/ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	MININ	,			
-20 30.000 40 50			(MHz)	300		500 600 700	1000.00	
30.000 40 50	60 70		(MHz) Correct	707	400 5		1000.00	
30.000 40 50		80		300		500 600 700 Over	1000.00	
30.000 40 50 No. Mk. FI	60 70	Reading	Correct	300 Measure-	400 5		Detecto	
No. Mk. Fi	60 70	Reading Level	Correct Factor	300 Measure- ment	400 5	Over		
30.000 40 50 No. Mk. Fi M 1 * 33.5	60 70 req.	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	400 5 Limit	Over	Detecto	
No. Mk. Fi	eq. Hz	Reading Level dBuV 45.49	Correct Factor dB/m -15.68	Measure- ment dBuV/m 29.81	Limit dBuV/m 40.00	Over dB -10.19	Detecto	
No. Mk. Fi M 1 * 33.5 2 37.8 3 47.6	eq. Hz 6623	Reading Level dBuV 45.49 42.61	Correct Factor dB/m -15.68 -18.08	Measure- ment dBuV/m 29.81 24.53	400 5 Limit dBuV/m 40.00 40.00	Over dB -10.19	Detecto QP QP	
No. Mk. Fi M 1 * 33.5 2 37.8 3 47.6 4 56.3	eq. Hz 6623 8121 6584	Reading Level dBuV 45.49 42.61 48.26	Correct Factor dB/m -15.68 -18.08 -22.46	300 Measure- ment dBuV/m 29.81 24.53 25.80	400 5 Limit dBuV/m 40.00 40.00	Over dB -10.19 -15.47 -14.20	Detecto QP QP QP	
No. Mk. Fi M 1 * 33.5 2 37.8 3 47.6 4 56.3	eq. 60 70 60 70 623 623 6584 6904	Reading Level dBuV 45.49 42.61 48.26 52.06	Correct Factor dB/m -15.68 -18.08 -22.46 -23.97	300 Measure- ment dBuV/m 29.81 24.53 25.80 28.09	400 5 Limit dBuV/m 40.00 40.00 40.00	Over dB -10.19 -15.47 -14.20 -11.91	QP QP QP QP	



Page: 30 of 78

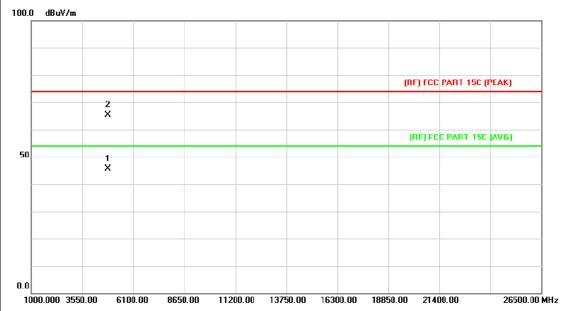
Temperature:	24 ℃	J ARTE	R	elative Humi	dity: 5	66%	13.0
Test Voltage:	AC 12	20V/60HZ	Militar	- 13 FR			1011
Ant. Pol.	Vertica	Vertical					
Test Mode:	TXB	TX B Mode 2412MHz					
Remark:	Only v	worse case	e is reported		CHILD		Barr
80.0 dBuV/m							
					(RF)FCC	15C 3M Radiation	
1						Margin -6	
1 2 3	~					6	+
30	_	4 ×	5			ΛΜ.Ĭ	
	J.		X . A		$-\Lambda$	1 Will	m
		$\mathcal{M} \mid \mathcal{A}$	W \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	www V		
			(/w	W -			
20							
20 30.000 40 50	60 70		(MHz)	300	400	500 600 700	1000.0
30.000 40 50		Reading			400	500 600 700	1000.0
30.000 40 50		Reading Level	(MHz) Correct Factor	Measure- ment	400 Limit	500 600 700 Over	1000.0
30.000 40 50 No. Mk. Fr			Correct	Measure-		Over	1000.0
30.000 40 50 No. Mk. Fr	eq.	Level	Correct Factor	Measure- ment	Limit	Over	
No. Mk. Fr M 38.0	req. Hz 1782	dBuV 56.72	Correct Factor dB/m -18.21	Measure- ment dBuV/m 38.51	Limit dBuV/m 40.00	Over	Detecto
No. Mk. Fr M 1 * 38.0 2 ! 43.2	req. Hz 0782	dBuV 56.72 57.26	Correct Factor dB/m -18.21 -20.69	Measure- ment dBuV/m 38.51 36.57	Limit dBuV/m 40.00 40.00	Over dB -1.49 -3.43	Detecto QP QP
No. Mk. Fr M 1 * 38.0 2 ! 43.2 3 ! 50.7	req. Hz 0782 2017	dBuV 56.72 57.26 61.60	Correct Factor dB/m -18.21 -20.69 -23.32	Measure- ment dBuV/m 38.51 36.57 38.28	Limit dBuV/m 40.00 40.00	Over dB -1.49 -3.43 -1.72	Detector QP QP QP
No. Mk. Fr M 1 * 38.0 2 ! 43.2 3 ! 50.7 4 102.3	req. Hz 0782 2017 7637 3597	bevel dBuV 56.72 57.26 61.60 49.02	Correct Factor dB/m -18.21 -20.69 -23.32 -22.18	Measure- ment dBuV/m 38.51 36.57 38.28 26.84	Limit dBuV/m 40.00 40.00 40.00 43.50	Over dB -1.49 -3.43 -1.72 -16.66	Detector QP QP QP QP
No. Mk. Fr M 1 * 38.0 2 ! 43.2 3 ! 50.7 4 102.3 5 121.9	req. Hz 0782 2017 7637 3597	bevel dBuV 56.72 57.26 61.60 49.02 47.18	Correct Factor dB/m -18.21 -20.69 -23.32 -22.18 -22.32	Measure- ment dBuV/m 38.51 36.57 38.28 26.84 24.86	Limit dBuV/m 40.00 40.00 40.00 43.50 43.50	Over dB -1.49 -3.43 -1.72 -16.66 -18.64	Detector QP QP QP QP QP
No. Mk. Fr M 1 * 38.0 2 ! 43.2 3 ! 50.7 4 102.3 5 121.9	req. Hz 0782 2017 7637 3597	bevel dBuV 56.72 57.26 61.60 49.02	Correct Factor dB/m -18.21 -20.69 -23.32 -22.18	Measure- ment dBuV/m 38.51 36.57 38.28 26.84	Limit dBuV/m 40.00 40.00 40.00 43.50	Over dB -1.49 -3.43 -1.72 -16.66	Detector QP QP QP QP



Page: 31 of 78

Above 1GHz

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ		THE PARTY OF THE P
Ant. Pol.	Horizontal	MILES AND A	
Test Mode:	TX B Mode 2412MHz		
Remark:	No report for the emission	which more than 10 dE	B below the prescribed
	limit.		

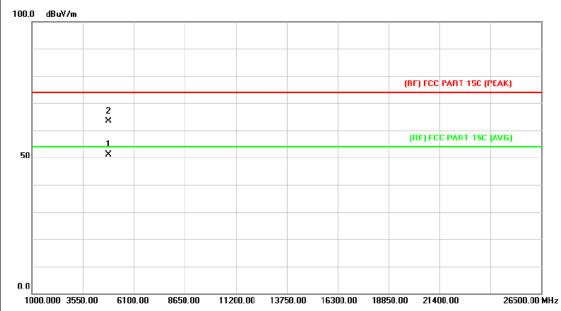


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4822.596	31.19	14.33	45.52	54.00	-8.48	AVG
2		4825.236	51.09	14.32	65.41	74.00	-8.59	peak



Page: 32 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	Time and
Ant. Pol.	Vertical	The said	
Test Mode:	TX B Mode 2412MHz	- TULE	No.
Remark:	No report for the emission w prescribed limit.	hich more than 10 dB	below the

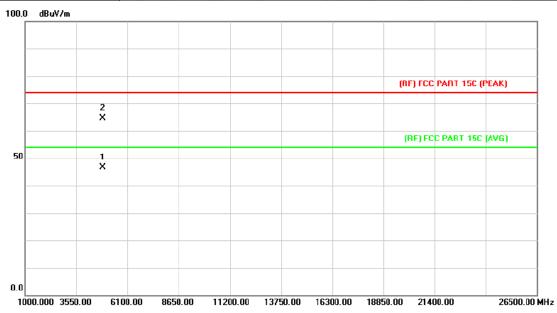


N	No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
			MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		*	4823.948	39.27	11.83	51.10	54.00	-2.90	AVG
2			4824.048	51.46	11.83	63.29	74.00	-10.71	peak



Page: 33 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	THE PARTY NAMED IN
Ant. Pol.	Horizontal	THE WAY	
Test Mode:	TX B Mode 2437MHz		a limited
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

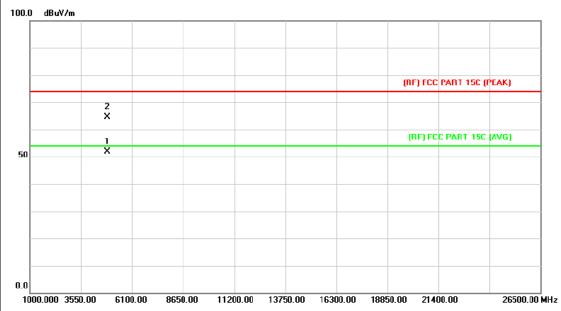


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4874.504	32.12	14.42	46.54	54.00	-7.46	AVG
2		4875.104	50.14	14.41	64.55	74.00	-9.45	peak



Page: 34 of 78

Temperature:	24 ℃	Relative Humidity:	56%			
Test Voltage:	AC 120V/60HZ					
Ant. Pol.	Vertical					
Test Mode:	TX B Mode 2437MHz		3 100			
Remark:	No report for the emission which more than 10 dB below the prescribed limit.					

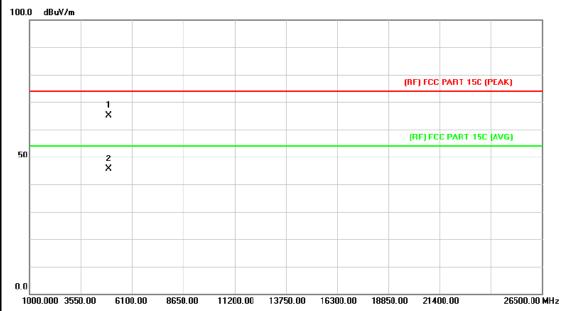


No.	Mk.	. Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.928	39.85	11.92	51.77	54.00	-2.23	AVG
2		4874.176	52.67	11.92	64.59	74.00	-9.41	peak



Page: 35 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	THE PARTY OF
Ant. Pol.	Horizontal	MILES IN	
Test Mode:	TX B Mode 2462MHz		a limited
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

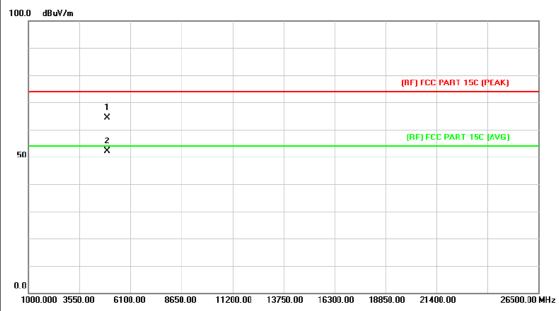


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.490	50.52	14.51	65.03	74.00	-8.97	peak
2	*	4923.490	31.16	14.51	45.67	54.00	-8.33	AVG



Page: 36 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	The same of	THE PARTY OF
Ant. Pol.	Vertical	THE WAY	
Test Mode:	TX B Mode 2462MHz		A VIII
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

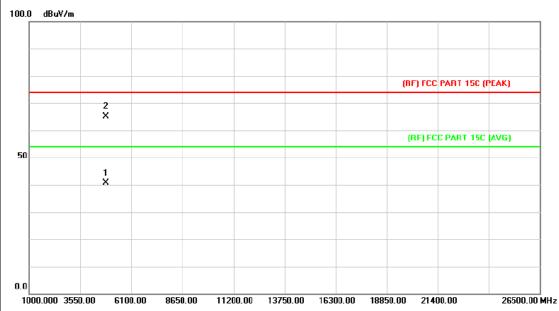


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.920	52.44	12.01	64.45	74.00	-9.55	peak
2	*	4923.948	40.11	12.01	52.12	54.00	-1.88	AVG



Page: 37 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	MI TO THE REAL PROPERTY.
Ant. Pol.	Horizontal	THE WAY	
Test Mode:	TX G Mode 2412MHz	THE PARTY OF THE P	3 100
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

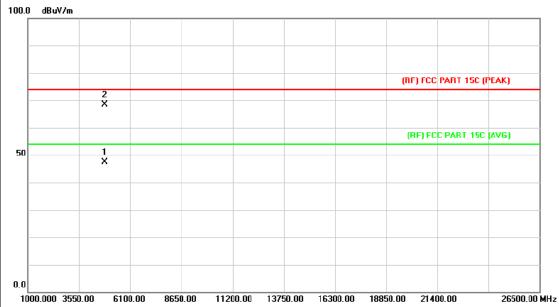


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.574	26.35	14.33	40.68	54.00	-13.32	AVG
2	*	4824.204	50.91	14.33	65.24	74.00	-8.76	peak



Page: 38 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	MI TOUR
Ant. Pol.	Vertical	THE PARTY OF THE P	TO SECOND
Test Mode:	TX G Mode 2412MHz		a Vienni
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

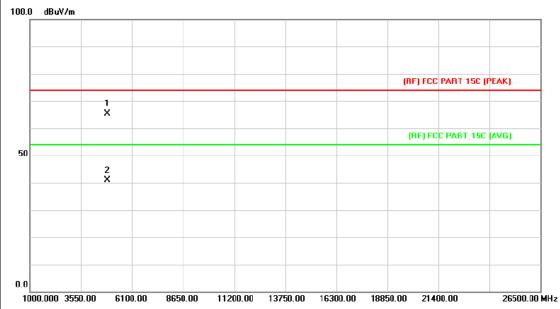


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4823.790	35.50	11.83	47.33	54.00	-6.67	AVG
2	*	4825.404	56.68	11.82	68.50	74.00	-5.50	peak



Page: 39 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	
Ant. Pol.	Horizontal	THE PARTY OF THE P	
Test Mode:	TX G Mode 2437MHz	The state of the s	3 100
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

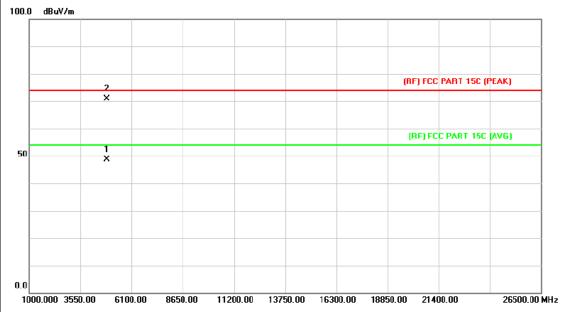


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4872.554	51.07	14.41	65.48	74.00	-8.52	peak
2		4874.786	26.49	14.42	40.91	54.00	-13.09	AVG



Page: 40 of 78

Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	The same of	
Ant. Pol.	Vertical	Line of the	
Test Mode:	TX G Mode 2437MHz		J. Ville
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

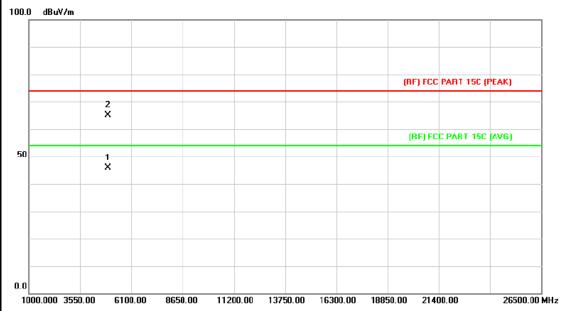


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.574	36.81	11.92	48.73	54.00	-5.27	AVG
2	*	4875.272	58.85	11.91	70.76	74.00	-3.24	peak



Page: 41 of 78

S2MHz				
No report for the emission which more than 10 dB below the prescribed limit.				

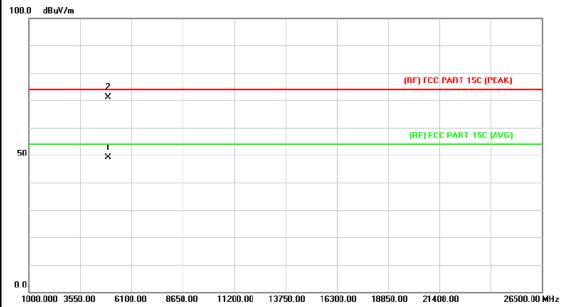


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4922.878	31.37	14.51	45.88	54.00	-8.12	AVG
2		4923.148	50.60	14.51	65.11	74.00	-8.89	peak



Page: 42 of 78

Temperature:	24 °C	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	
Ant. Pol.	Vertical	MILES IN	
Test Mode:	TX G Mode 2462MHz		3 100
Remark:	No report for the emission prescribed limit.	which more than 10 dE	3 below the

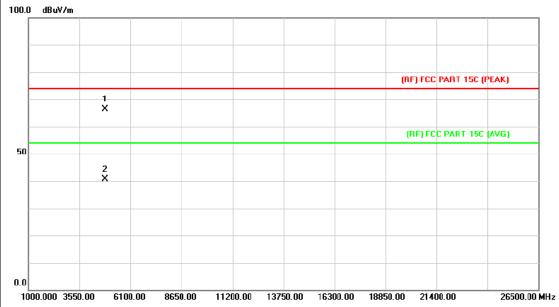


No.	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4923.676	37.03	12.01	49.04	54.00	-4.96	AVG
2	*	4925.386	59.01	12.01	71.02	74.00	-2.98	peak



Page: 43 of 78

Temperature:	24 ℃	Relative Humidity:	56%			
Test Voltage:	AC 120V/60HZ	THE PARTY OF THE P	Oliver Trans			
Ant. Pol.	Horizontal	Horizontal				
Test Mode:	TX N(HT20) Mode	TX N(HT20) Mode 2412MHz				
Remark: No report for the emission which more than 10 dB below the prescribed limit.						

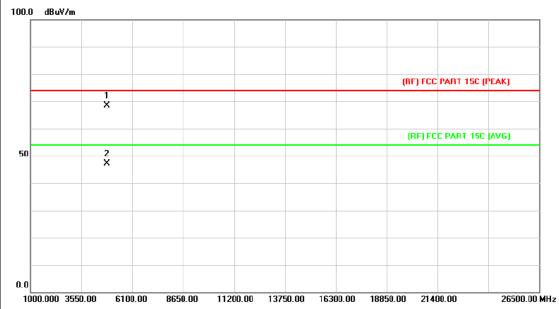


No	. Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.880	52.11	14.33	66.44	74.00	-7.56	peak
2		4823.880	26.32	14.33	40.65	54.00	-13.35	AVG



Page: 44 of 78

- 1							
	Temperature:	24 ℃	Relative Humidity:	56%			
	Test Voltage:	AC 120V/60HZ					
	Ant. Pol.	Vertical					
	Test Mode:	TX N(HT20) Mode 2412Ml	TX N(HT20) Mode 2412MHz				
Remark: No report for the emission which more than 10 dB below the prescribed limit.							

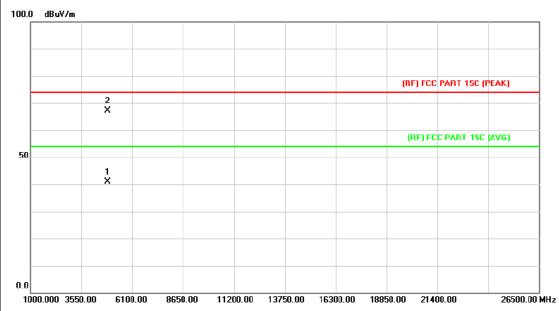


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4823.436	56.51	11.83	68.34	74.00	-5.66	peak
2		4823.550	35.23	11.83	47.06	54.00	-6.94	AVG



Page: 45 of 78

Temperature:	24 °C	Relative Humidity:	56%		
Test Voltage:	AC 120V/60HZ	The same	and the		
Ant. Pol.	Horizontal	THE WAY			
Test Mode:	TX N(HT20) Mode	2437MHz	3 100		
Remark:					

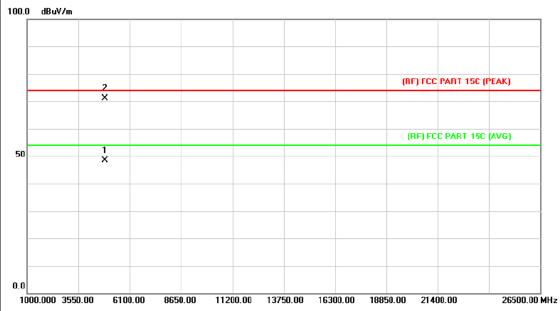


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4874.570	26.45	14.42	40.87	54.00	-13.13	AVG
2	*	4874.630	52.70	14.42	67.12	74.00	-6.88	peak



Page: 46 of 78

Temperature:	24 ℃	Relative Humidity:	56%			
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	The same			
Ant. Pol.	Vertical					
Test Mode:	TX N(HT20) Mode 2437MI	TX N(HT20) Mode 2437MHz				
Remark: No report for the emission which more than 10 dB below the prescribed limit.						

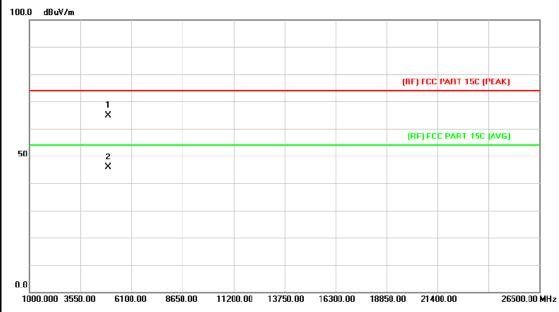


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4873.016	36.58	11.91	48.49	54.00	-5.51	AVG
2	*	4873.388	59.30	11.92	71.22	74.00	-2.78	peak



Page: 47 of 78

Temperature:	24 ℃	Relative Humidity:	56%		
Test Voltage:	AC 120V/60HZ				
Ant. Pol.	Horizontal				
Test Mode:	TX N(HT20) Mode 2462MH		The same		
Remark: No report for the emission which more than 10 dB below the prescribed limit.					

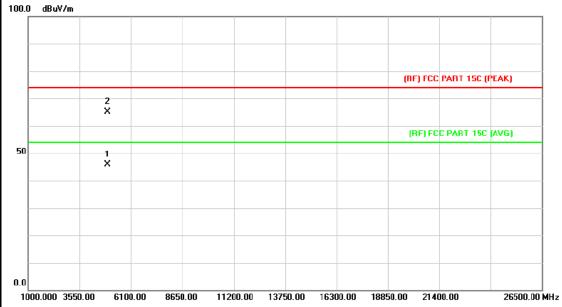


No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		4922.698	50.30	14.51	64.81	74.00	-9.19	peak
2	*	4922.758	31.39	14.51	45.90	54.00	-8.10	AVG



Page: 48 of 78

24 ℃	Relative Humidity:	56%			
AC 120V/60HZ					
Vertical					
TX N(HT20) Mode 2462MH	TX N(HT20) Mode 2462MHz				
No report for the emission which more than 10 dB below the prescribed limit.					
	AC 120V/60HZ Vertical TX N(HT20) Mode 2462MHz No report for the emission w	AC 120V/60HZ Vertical TX N(HT20) Mode 2462MHz No report for the emission which more than 10 dB			



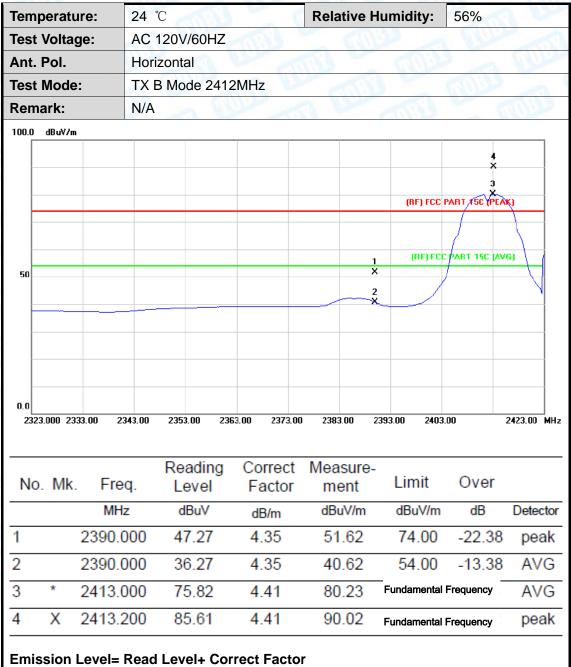
No.	. Mk	. Freq.			Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4922.938	33.88	12.01	45.89	54.00	-8.11	AVG
2		4923.190	53.17	12.01	65.18	74.00	-8.82	peak



Page: 49 of 78

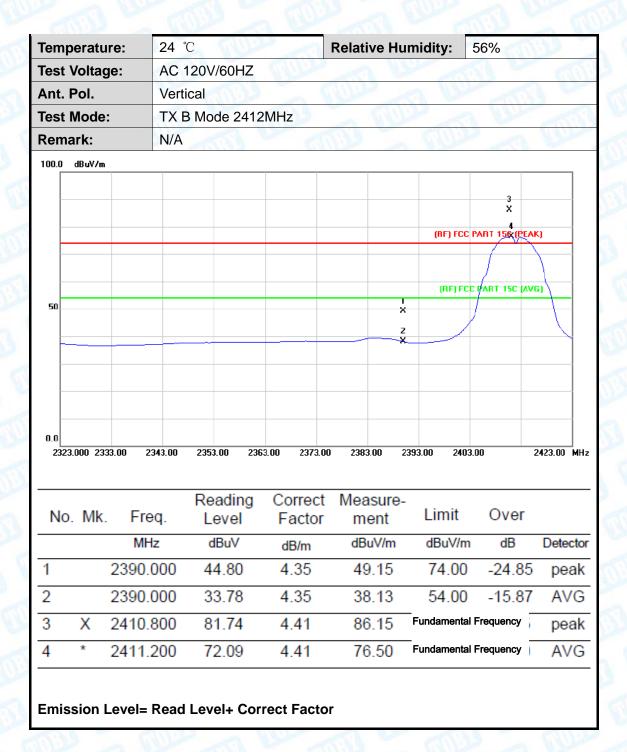
Attachment C-- Restricted Bands Requirement Test Data

(1) Radiation Test



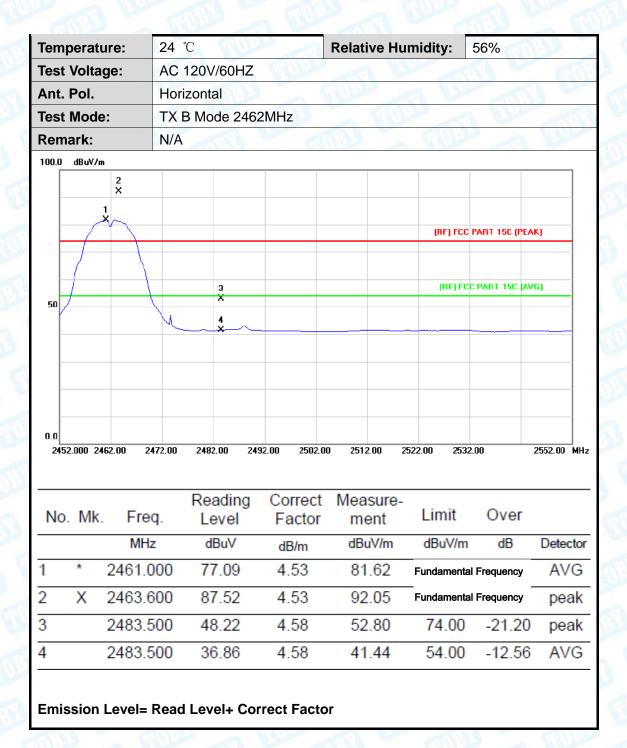


Page: 50 of 78



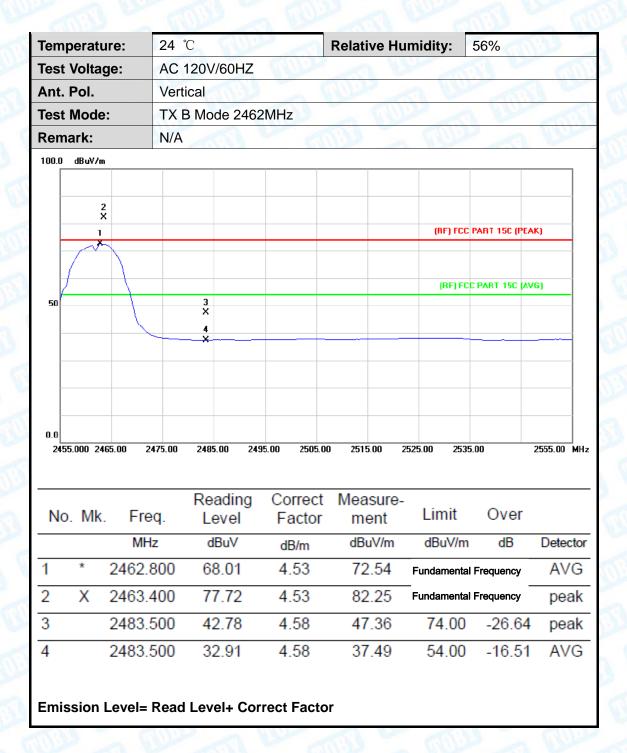


Page: 51 of 78



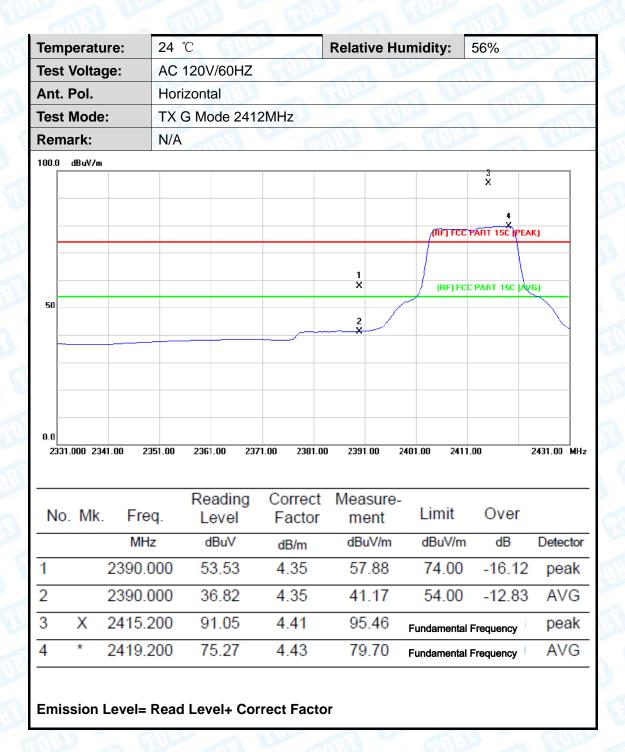


Page: 52 of 78



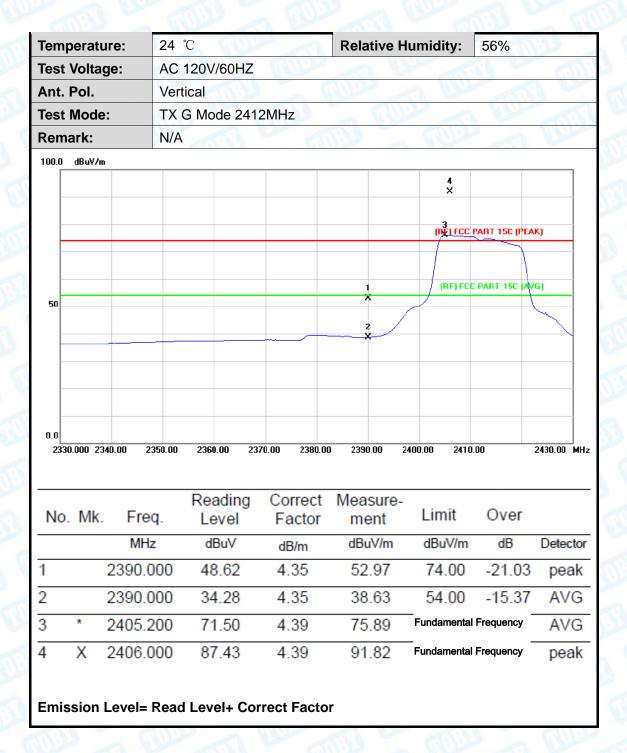


Page: 53 of 78





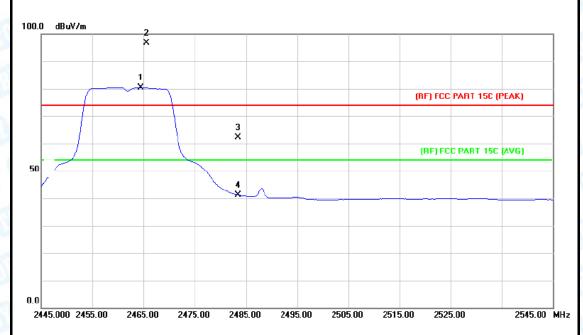
Page: 54 of 78





Page: 55 of 78

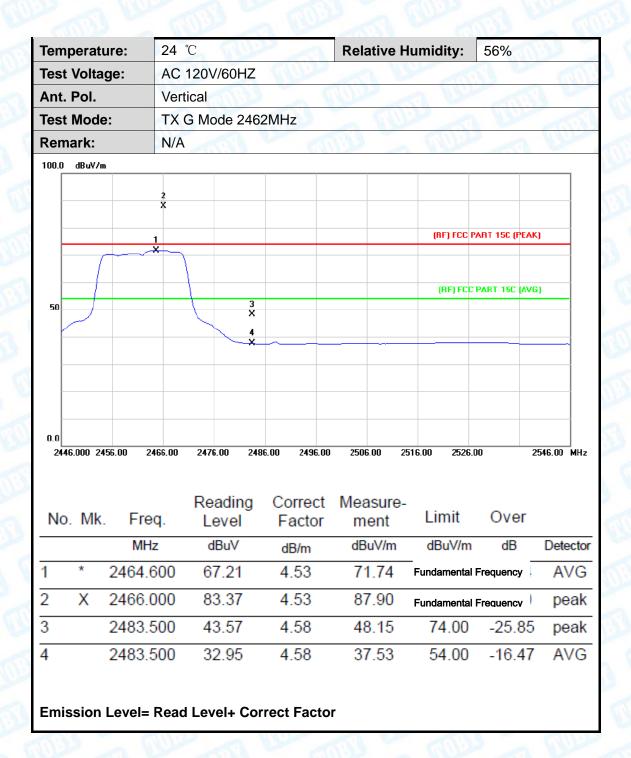
Temperature:	24 ℃	Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ	THE REAL PROPERTY.	
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A	THE PARTY OF THE P	The state of the s
	•		



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	2464.400	75.91	4.53	80.44	Fundamental	Frequency	AVG
2	Χ	2465.600	92.21	4.53	96.74	Fundamental	Frequency	peak
3		2483.500	57.55	4.58	62.13	74.00	-11.87	peak
4		2483.500	36.52	4.58	41.10	54.00	-12.90	AVG

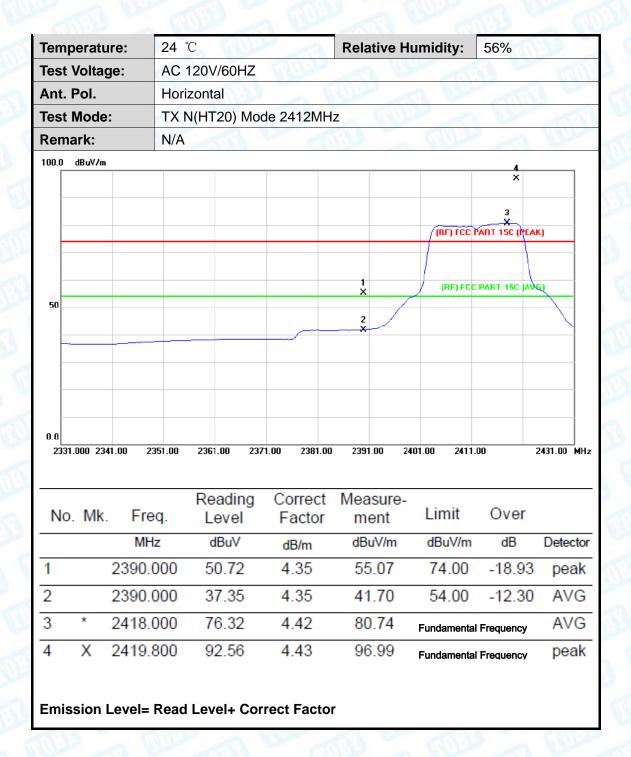


Page: 56 of 78



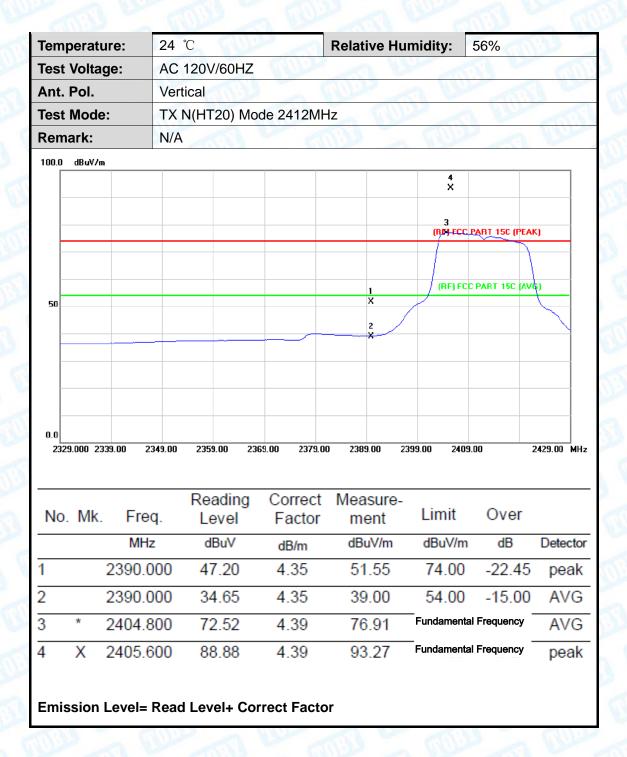


Page: 57 of 78



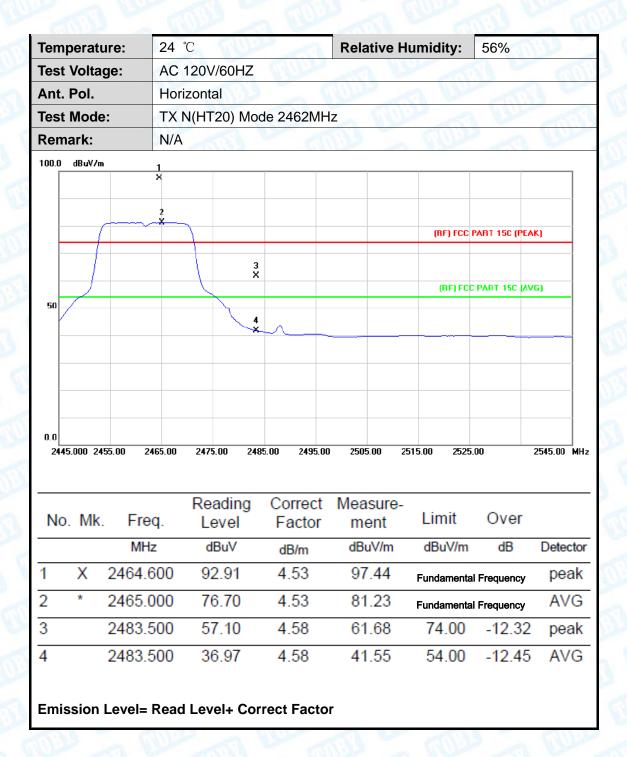


Page: 58 of 78



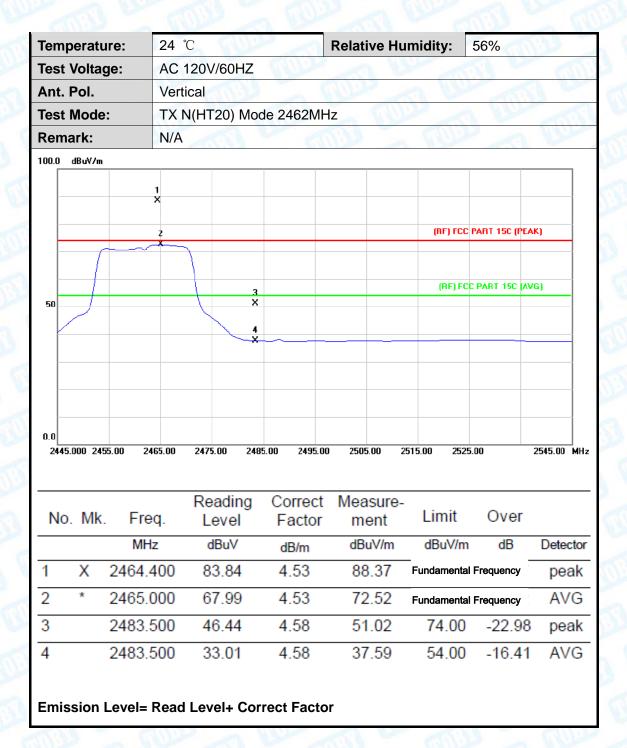


Page: 59 of 78





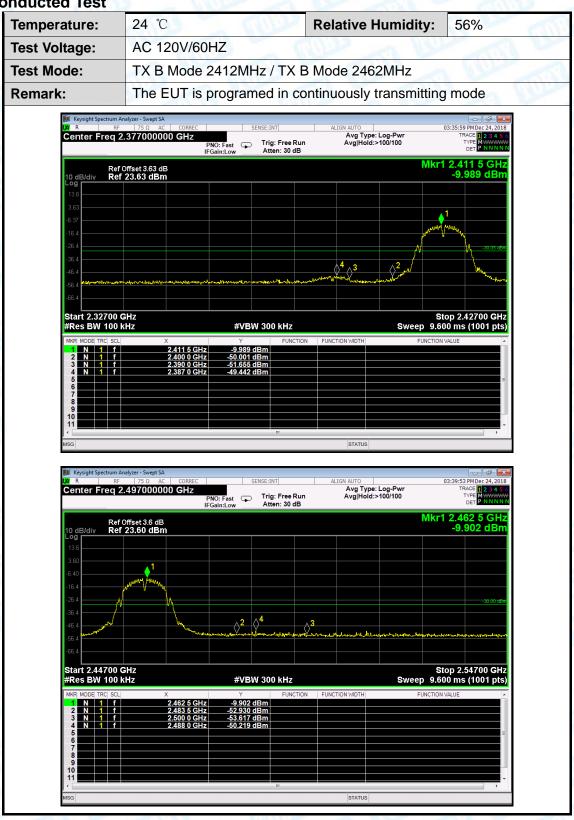
Page: 60 of 78

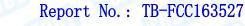






(2) Conducted Test

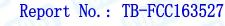






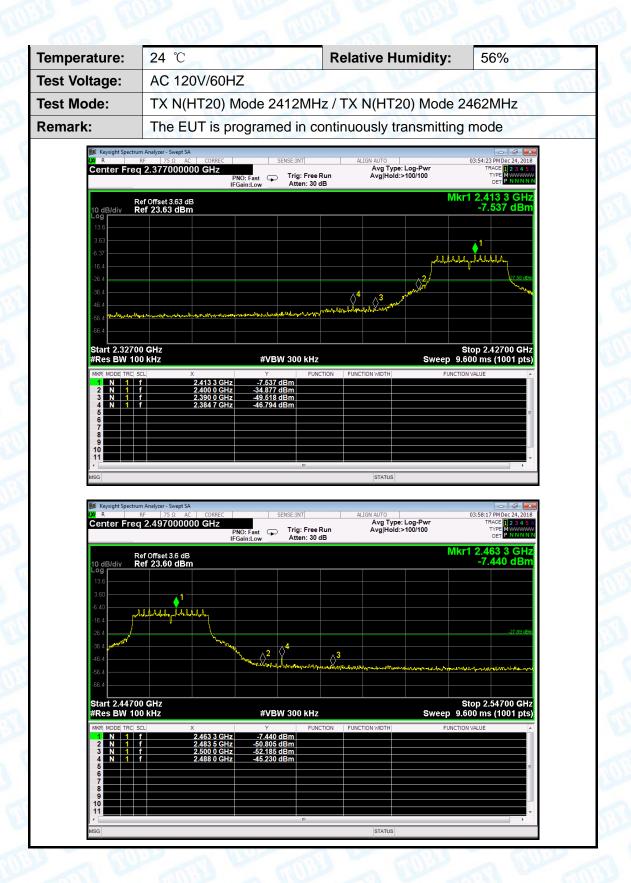
Page: 62 of 78







Page: 63 of 78



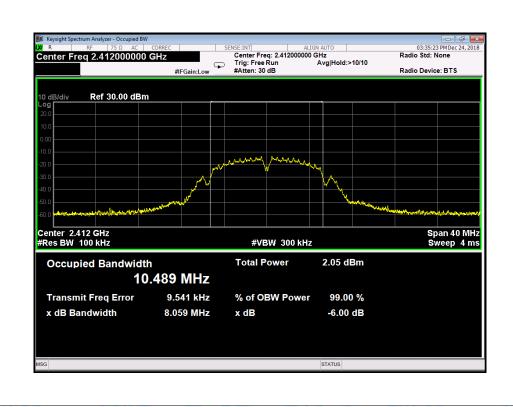


Page: 64 of 78

Attachment D-- Bandwidth Test Data

24 °C Relative Humidity: 56%				
AC 120V/60HZ				
TX 802.11B Mode				
cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)		
8.059	10.489			
8.543	10.520	>=0.5		
8.069	10.492			
	AC 120V/60HZ TX 802.11B Mode cy 6dB Bandwidth (MHz) 8.059 8.543	AC 120V/60HZ TX 802.11B Mode cy 6dB Bandwidth (MHz) (MHz) 8.059 10.489 8.543 10.520		

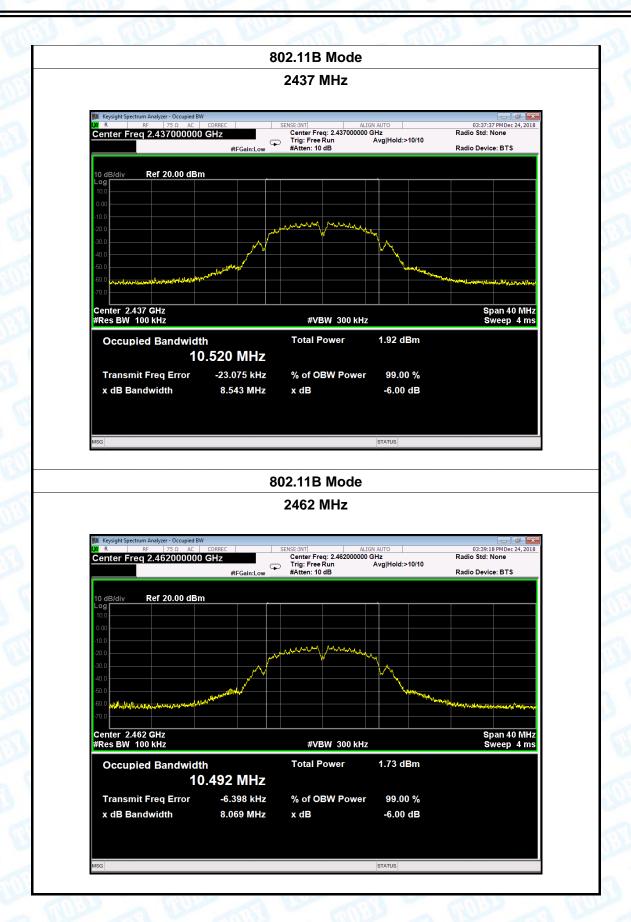
802.11B Mode





Page: 65 of 78



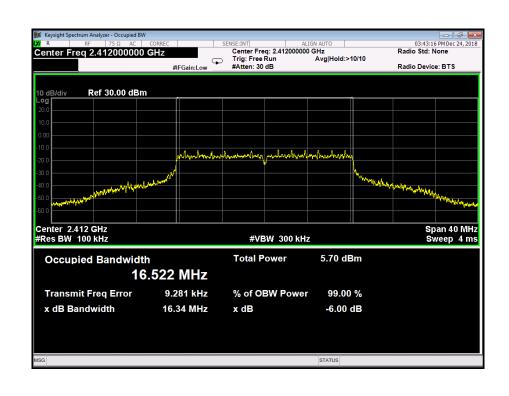




Page: 66 of 78

Temperature:	24 ℃	Relative Humidity:	56%		
Test Voltage:	AC 120V/60HZ				
Test Mode:	TX 802.11G Mode	TX 802.11G Mode			
Channel frequence	cy 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	16.34	16.522			
243716.34	16.34	16.529	>=0.5		
2462 16.35		16.530			
902 44C Mode					

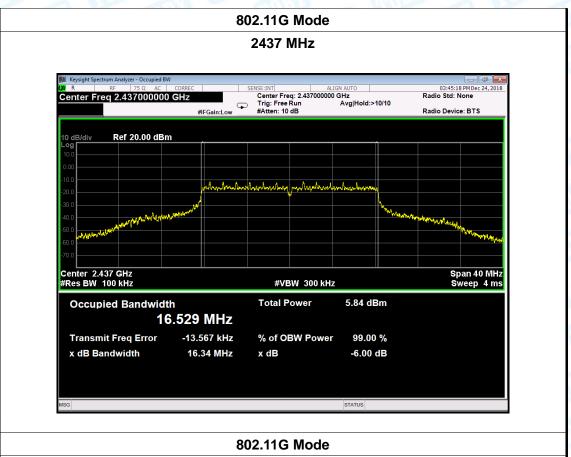
802.11G Mode





Page: 67 of 78



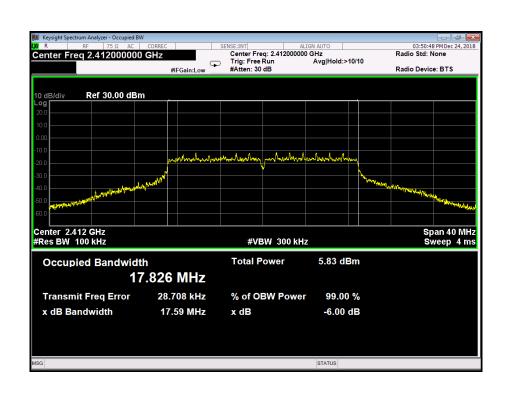


2462 MHz 03:47:27 PM Dec 24, 2018 Radio Std: None SENSE:INT ALIGN AUTO Center Freq: 2.462000000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 10 dB Center Freq 2.462000000 GHz Radio Device: BTS #IFGain:Low Ref 20.00 dBm Center 2.462 GHz #Res BW 100 kHz Span 40 MHz Sweep 4 ms #VBW 300 kHz **Total Power** 5.57 dBm Occupied Bandwidth 16.530 MHz **Transmit Freq Error** 4.260 kHz % of OBW Power 99.00 % x dB Bandwidth 16.35 MHz x dB -6.00 dB



68 of 78 Page:

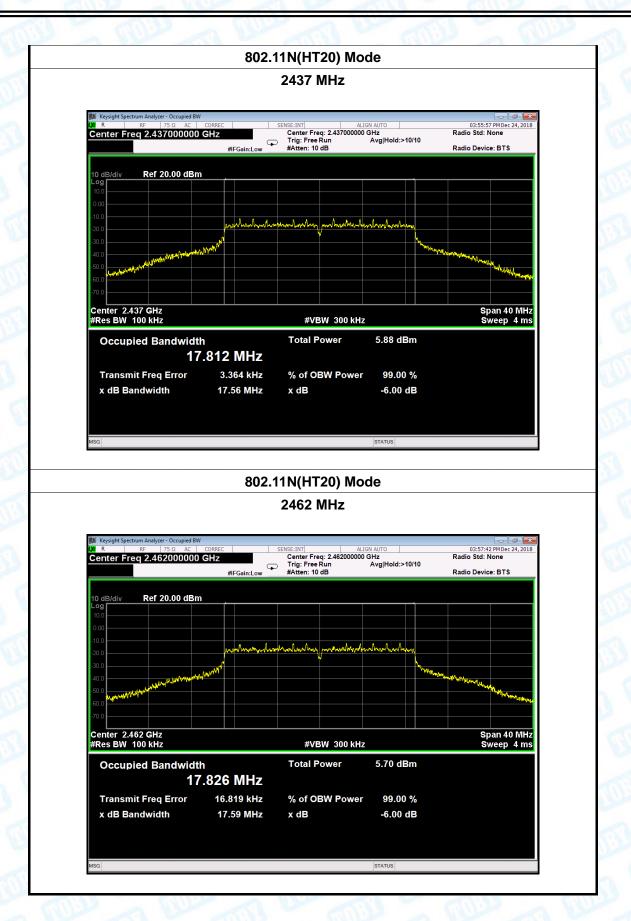
Temperature:	24 ℃	Relative Humidity:	56%		
Test Voltage:	AC 120V/60HZ				
Test Mode:	TX 802.11N(HT20) Mode				
Channel frequence	y 6dB Bandwidth	99% Bandwidth	Limit		
(MHz)	(MHz)	(MHz)	(MHz)		
2412	17.59	17.826			
2437	17.56	17.812	>=0.5		
2462	17.59	17.826			
802.11N(HT20) Mode					





Page: 69 of 78







Page: 70 of 78

Attachment E-- Peak Output Power Test Data

Test Conditions	s: Continuous transmitting Mode		
Temperature: 24 °C Relative Humid		Relative Humidity:	56%
Test Voltage:	AC 120V/60HZ		a William
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
	2412	0.98	
802.11b	2437	0.89	
	2462	0.51	
	2412	8.36	
802.11g	2437	8.66	30
	2462	8.25	
000 44	2412	8.55	
802.11n (HT20)	2437	8.72	
(11120)	2462	8.34	
	Resi	ult: PASS	

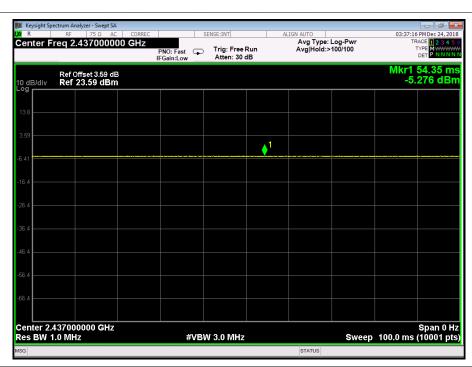
Duty Cycle					
Mode	Channel frequency (MHz)	Test Result			
802.11b	2412				
	2437				
	2462				
	2412				
802.11g	2437	>98%			
	2462				
000 44 m	2412				
802.11n (HT20)	2437				
	2462				



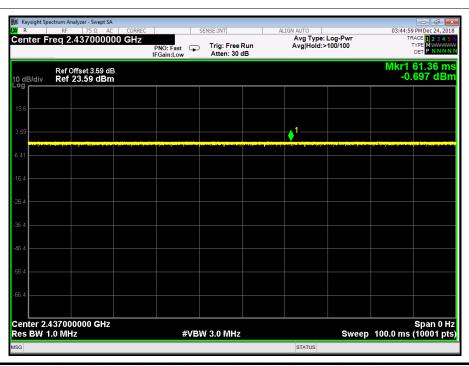
Page: 71 of 78





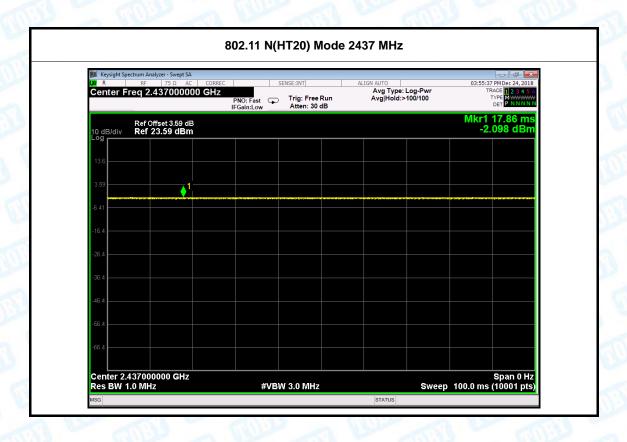


802.11 G Mode 2437 MHz





Page: 72 of 78



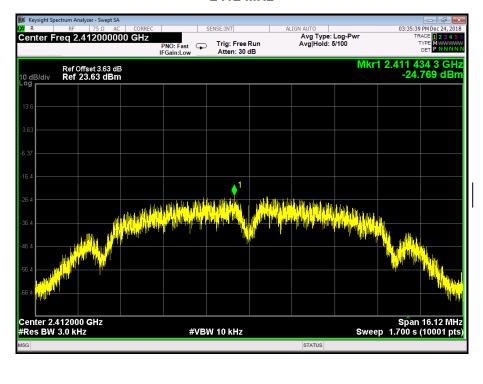


Page: 73 of 78

Attachment F-- Power Spectral Density Test Data

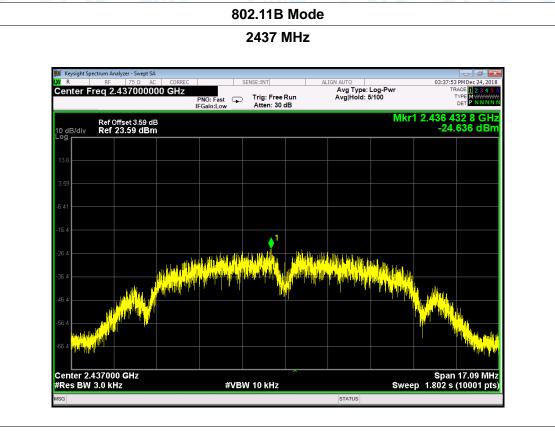
	Temperature:	24 °C	CHILIT	Relative Humidity:	56%	
	Test Voltage:	AC 120V/60HZ				
١	Test Mode:	TX 802.1	TX 802.11B Mode			
	Channel Frequency		Power Do	ensity	Limit	
	(MHz)		(dBm/3	kHz)	(dBm/3kHz)	
	2412		-24.70	69		
	2437		-24.636		8	
ę	2462		-24.9	03		
				_		

802.11B Mode





Page: 74 of 78



802.11B Mode

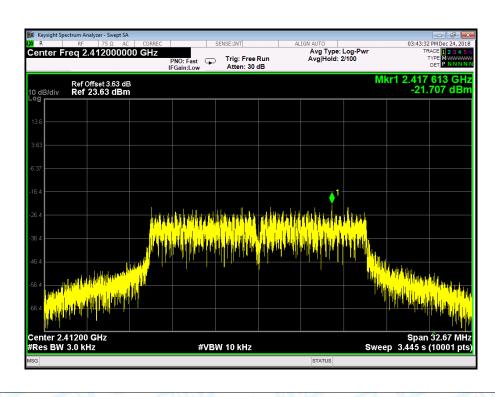




Page: 75 of 78

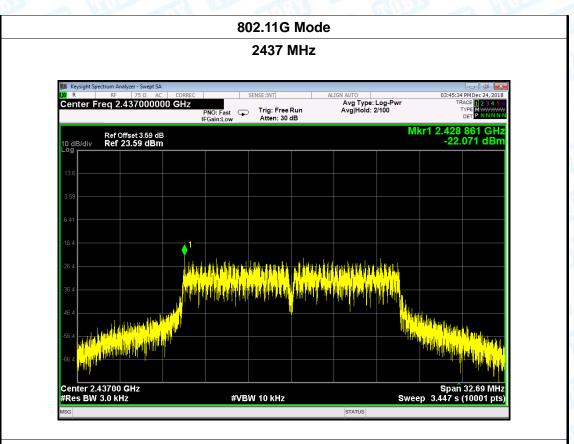
24 ℃		Temperature:	24 ℃
AC 120V/	AC 120V/60HZ		
TX 802.11G Mode			
Channel Frequency Power Density Limit			Limit
(MHz) (dE		z)	(dBm/3kHz)
2412			
2437			8
2462			
	AC 120V/ TX 802.1	AC 120V/60HZ TX 802.11G Mode uency Power Dens	AC 120V/60HZ TX 802.11G Mode uency Power Density (dBm/3 kHz) -21.707 -22.071

802.11G Mode

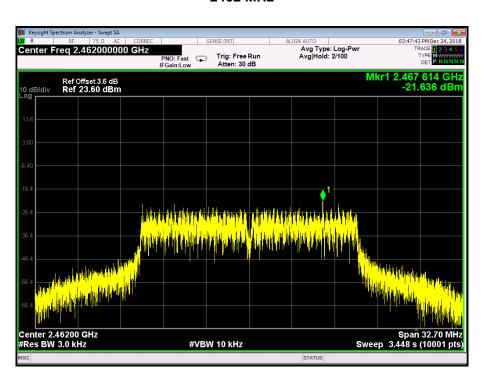




Page: 76 of 78



802.11G Mode

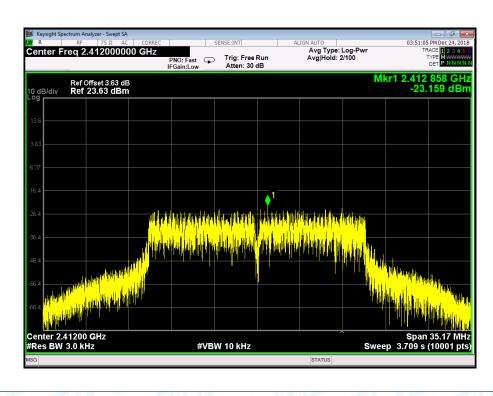




Page: 77 of 78

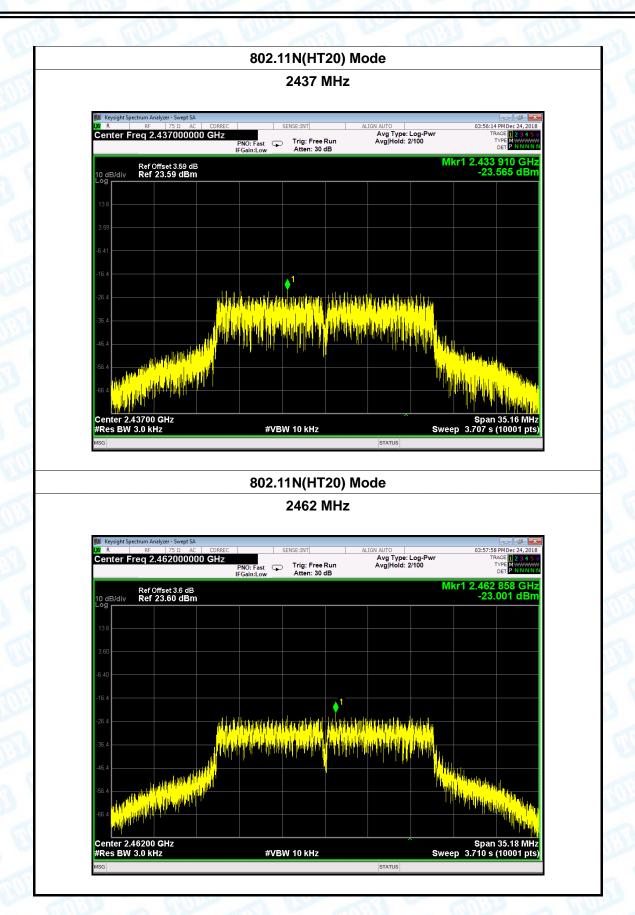
Temperature:	24 °C Temperature		Temperature:	24 °C	
Test Voltage:	AC 120V/	AC 120V/60HZ			
Test Mode:	TX 802.1	TX 802.11N(HT20) Mode			
Channel Frequency		Power Density		Limit	
(MHz)		(dBm/3 kHz)		(dBm/3kHz)	
2412		-23.15	9		
2437		-23.565		8	
2462		-23.00	001		

802.11N(HT20) Mode





Page: 78 of 78



----END OF REPORT----