


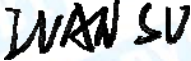
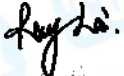
FCC Radio Test Report

FCC ID: 2AUPF-WF173

Original Grant

Report No. : TB-FCC169170
Applicant : Maxtalent Industrial Limited
Equipment Under Test (EUT)
EUT Name : KODAK 17-Inch Wall Photo Frame / Wi-Fi Enabled
Model No. : WF173
Series Model No. : WF133,WF141,WF151,WF156
Brand Name : **KODAK**
Receipt Date : 2019-09-23
Test Date : 2019-09-23 to 2019-11-13
Issue Date : 2019-11-15
Standards : FCC Part 15, Subpart C (15.247)
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 :  Garen
Engineer Supervisor :  Ivan Su
Engineer Manager :  Ray Lai

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.

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1. General Information about EUT

1.1 Client Information

Applicant	:	Maxtalent Industrial Limited
Address	:	25E,King Palace Plaza,55 King Yip Street, Kwun Tong,Kowloon,HK
Manufacturer	:	Shenzhen Qiuyu Electronic Co., Ltd
Address	:	F3,E Building, Hongzhuyongqi Industrial Park, Lezhujiao village, Xixiang town, Ban'an District, Shenzhen, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	KODAK 17-Inch Wall Photo Frame / Wi-Fi Enabled	
Models No.	:	WF173,WF133,WF141,WF151,WF156	
Model Difference	:	All these models are in the same PCB, layout and electrical circuit, only the outer color is different.	
Product Description	:	Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz
		Number of Channel:	802.11b/g/n(HT20):11 channels see note(3) 802.11n(HT40): 7 channels see note(3)
		RF Output Power:	802.11b: 14.62dBm 802.11g: 13.54dBm 802.11n (HT20): 13.70dBm 802.11n (HT40): 10.98dBm
		Antenna Gain:	1.21dBi PIFA Antenna provided by the applicant.
		Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM, 64QAM)
Power Supply	:	Adapter(J361-1203000I): Input: AC 100-240V, 50/60Hz, 1.5A Output: DC 12V, 3000mA	
Software Version	:	V2.1.40	
Hardware Version	:	V1.0.3	
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.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

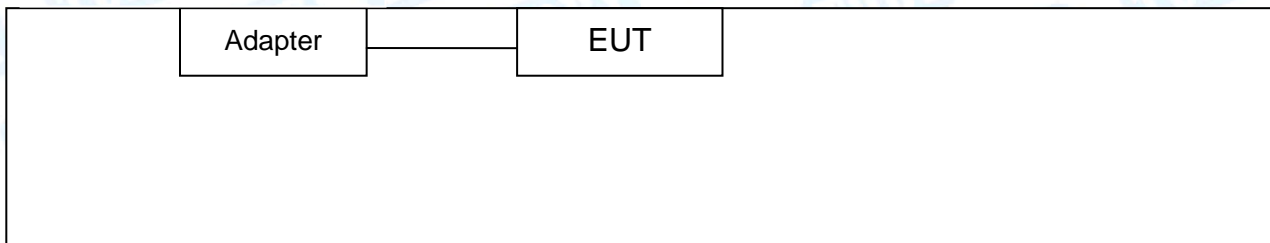
(3) Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

Note: CH 01~CH 11 for 802.11b/g/n(HT20)
CH 03~CH 9 for 802.11n(HT40)

1.3 Block Diagram Showing the Configuration of System Tested

Adapter + TX Mode



1.4 Description of Support Units

Equipment Information				
Name	Model	S/N	Manufacturer	Note
Adapter	TPA-46B050100UU	N/A	N/A	Accessories
Cable Information				
Number	Shielded Type	Ferrite Core	Length	Note
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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	Adapter + TX B Mode Channel 01
For Radiated Test	
Final Test Mode	Description
Mode 2	Adapter + TX Mode B Mode Channel 01/06/11
Mode 3	Adapter + TX Mode G Mode Channel 01/06/11
Mode 4	Adapter + TX Mode N(HT20) Mode Channel 01/06/11
Mode 5	Adapter + TX Mode N(HT40) Mode Channel 03/06/09

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)
 - 802.11n (HT40) Mode: MCS 0 (13 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.

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	CMD.exe		
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	18	18	18
IEEE 802.11g OFDM	15	15	15
IEEE 802.11n (HT20)	13	13	13
Test Software Version	SP_META.exe		
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	13	13	13

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expanded 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})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	± 3.60 dB ± 3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	± 4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	± 4.20 dB
Radiated Emission	Level Accuracy: Above 1000MHz	± 4.20 dB

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.

2. Test Summary

FCC Part 15 Subpart C(15.247)/ RSS 247 Issue 2				
Standard Section		Test Item	Judgment	Remark
FCC	IC			
15.203	RSS-GEN 6.8	Antenna Requirement	PASS	N/A
15.207	RSS-GEN 8.8	Conducted Emission	PASS	N/A
15.205	RSS-GEN 8.10	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)	Transmitter 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	Spurious RF conducted emissions	PASS	N/A
15.247(d)	RSS 247 5.5	Band Edge / Out-of-Band Emissions	PASS	N/A
15.205(d)& 15.209	RSS-GEN 8.9	Radiated Transmitter Emission Limits	PASS	N/A

Note: (1)"/" for no requirement for this test item.
 (2)N/A is an abbreviation for Not Applicable.
 (3) All tests were conducted using the adapter and antenna gain provided by the applicant, The laboratory tests only according to the information provided by the applicant.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
RF Conducted Measurement	MTS-8310	MWRfTest	V2.0.0.0

4. Test Equipment

Conducted Emission 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 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
Spectrum Analyzer	Rohde & Schwarz	FSVR	1311.006K40-10094 5-DH	Feb. 10, 2019	Feb. 09, 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
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Mar.03, 2019	Mar. 02, 2020
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 13, 2019	Jul. 12, 2020
Pre-amplifier	Sonoma	310N	185903	Mar.04, 2019	Mar. 03, 2020
Pre-amplifier	HP	8449B	3008A00849	Mar.03, 2019	Mar. 02, 2020
Pre-amplifier	EMCI	EMC02325	980217	Mar.03, 2019	Mar. 02, 2020
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.03, 2019	Mar. 02, 2020
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 13, 2019	Jul. 12, 2020
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 13, 2019	Jul. 12, 2020
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 16, 2019	Sep. 15, 2020
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 16, 2019	Sep. 15, 2020
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 16, 2019	Sep. 15, 2020
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO26	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO29	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO31	Sep. 16, 2019	Sep. 15, 2020
	DARE!! Instruments	RadiPowerRPR3006W	17100015SNO33	Sep. 16, 2019	Sep. 15, 2020

5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard

FCC Part 15.207

5.1.2 Test Limit

Conducted Emission Test Limit

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

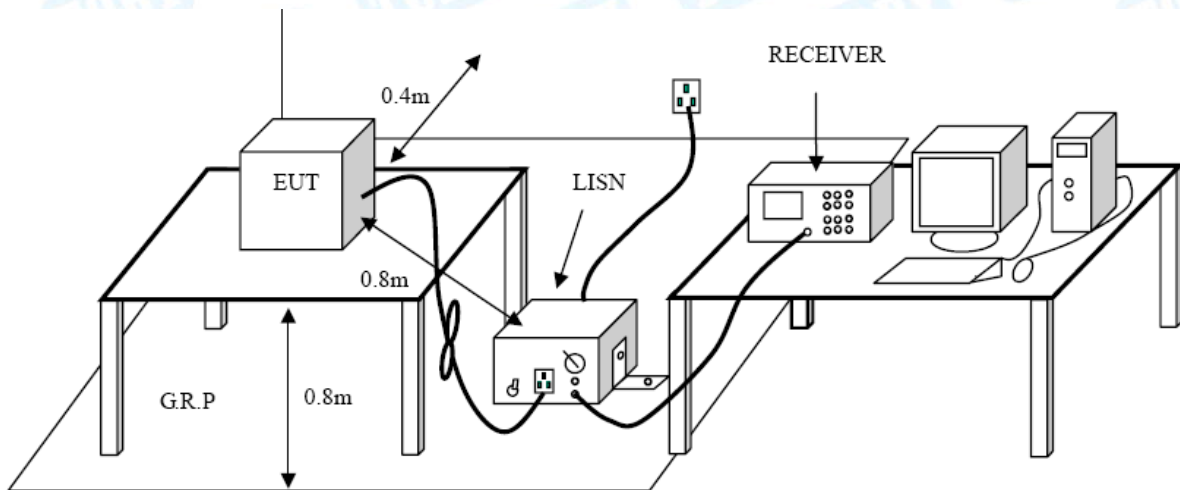
Notes:

(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.

5.2 Test Setup



5.3 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.

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.

5.4 Deviation From Test Standard

No deviation

5.5 EUT Operating Mode

Please refer to the description of test mode.

5.6 Test Data

Please refer to the Attachment A.

6. Radiated Emission Test

6.1 Test Standard and Limit

6.1.1 Test Standard

FCC Part 15.209

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

Note:

(1) The tighter limit applies at the band edges.

(2) For above 30MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m)

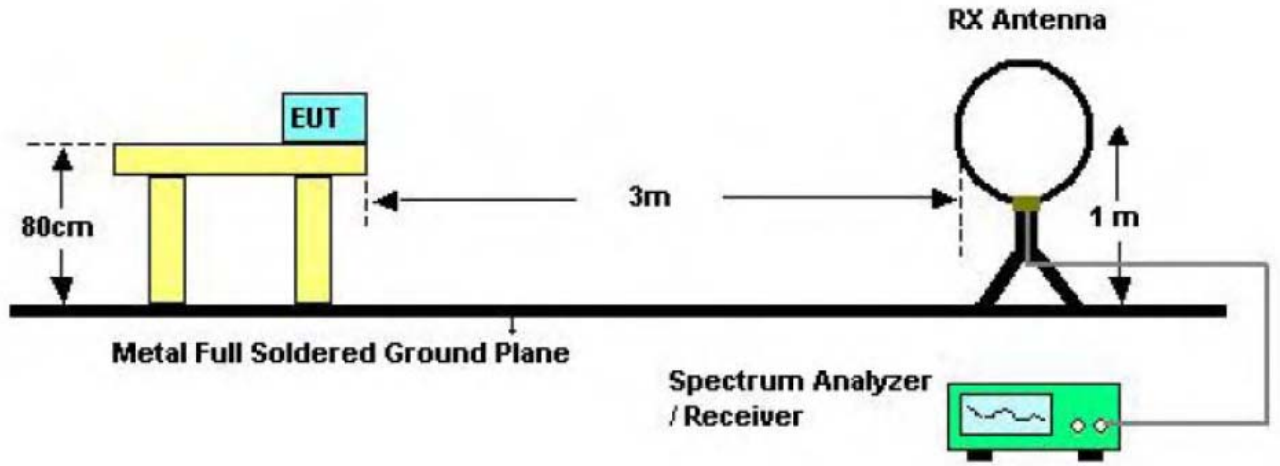
For 0.009~0.490MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m) +40log(300/3)

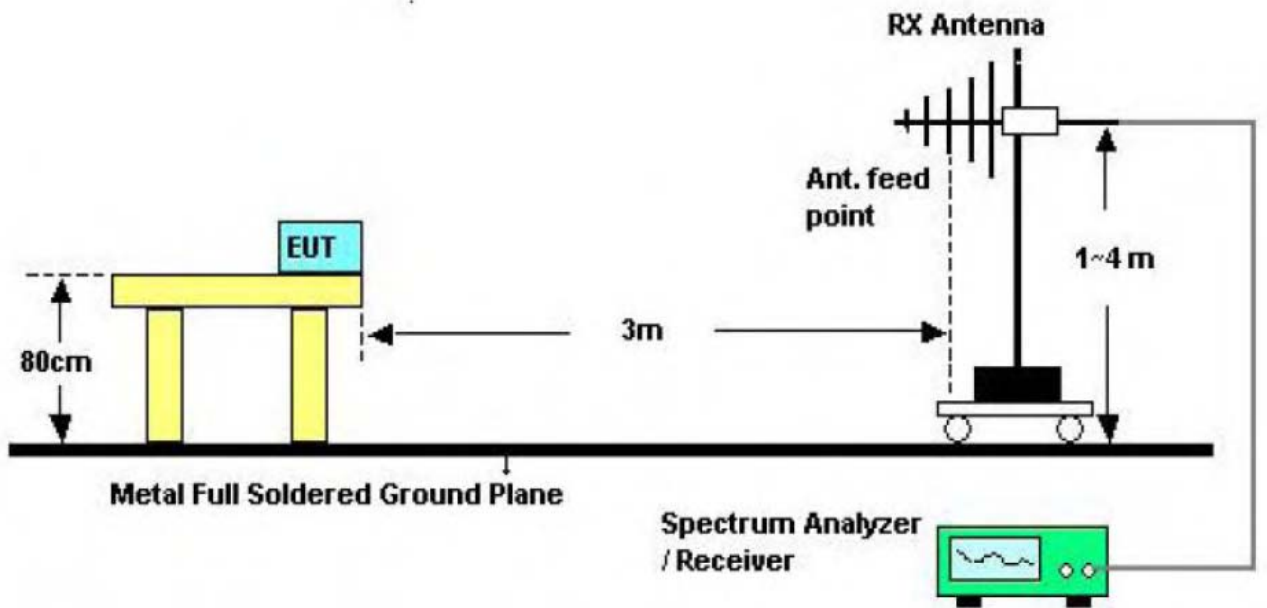
For 0.049~30MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m) +40log(30/3)

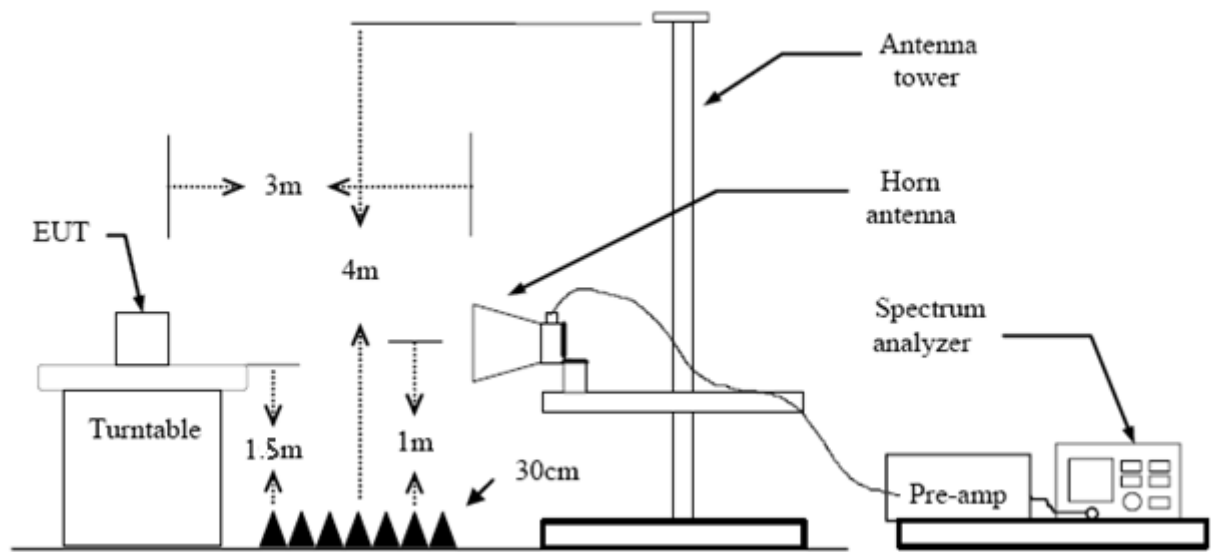
6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz Test Setup

6.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 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.
- (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 Deviation From Test Standard

No deviation

6.5 EUT Operating Condition

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

6.6 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.

7. Restricted Bands Requirement

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.247(d)

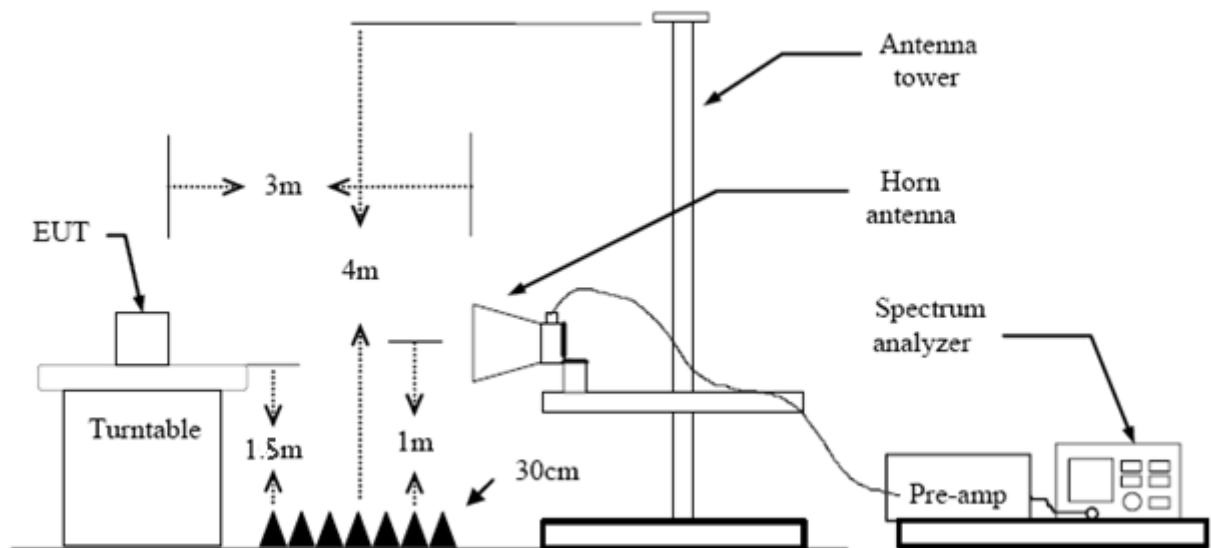
FCC Part 15.209

FCC Part 15.205

7.1.2 Test Limit

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

7.2 Test Setup



7.3 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.

- (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.

7.4 Deviation From Test Standard

No deviation

7.5 EUT Operating Condition

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

7.6 Test Data

Please refer to the Attachment C.

8. Bandwidth Test

8.1 Test Standard and Limit

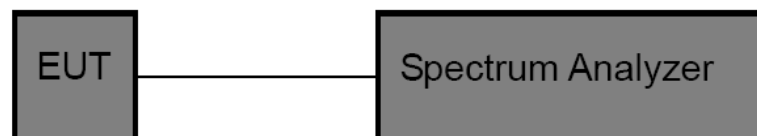
8.1.1 Test Standard

FCC Part 15.247 (a)(2)

8.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210		
Test Item	Limit	Frequency Range(MHz)
Bandwidth	≥ 500 KHz (6dB bandwidth)	2400~2483.5

8.2 Test Setup



8.3 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.

8.4 Deviation From Test Standard

No deviation

8.5 EUT Operating Condition

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

8.6 Test Data

Please refer to the Attachment D.

9. Peak Output Power Test

9.1 Test Standard and Limit

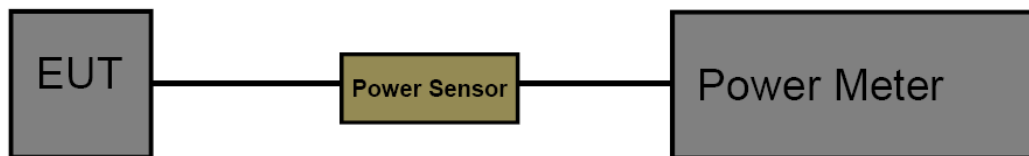
9.1.1 Test Standard

FCC Part 15.247 (b)

9.1.2 Test Limit

FCC Part 15 Subpart C(15.247)/RSS-210		
Test Item	Limit	Frequency Range(MHz)
Peak Output Power	1 Watt or 30 dBm	2400~2483.5

9.2 Test Setup



9.3 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.

9.4 Deviation From Test Standard

No deviation

9.5 EUT Operating Condition

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

9.6 Test Data

Please refer to the Attachment E.

10. Power Spectral Density Test

10.1 Test Standard and Limit

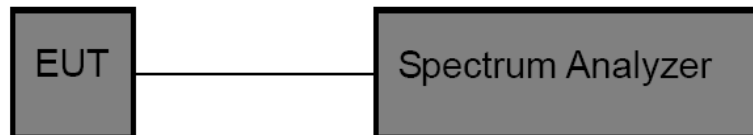
10.1.1 Test Standard

FCC Part 15.247 (e)

10.1.2 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

10.2 Test Setup



10.3 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.

10.4 Deviation From Test Standard

No deviation

10.5 EUT Operating Condition

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

10.6 Test Data

Please refer to the Attachment F.

11. Antenna Requirement

11.1 Standard Requirement

11.1.1 Standard

FCC Part 15.203

11.1.2 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.

11.2 Deviation From Test Standard

No deviation

11.3 Antenna Connected Construction

The gains of the antenna used for transmitting is 1.21dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

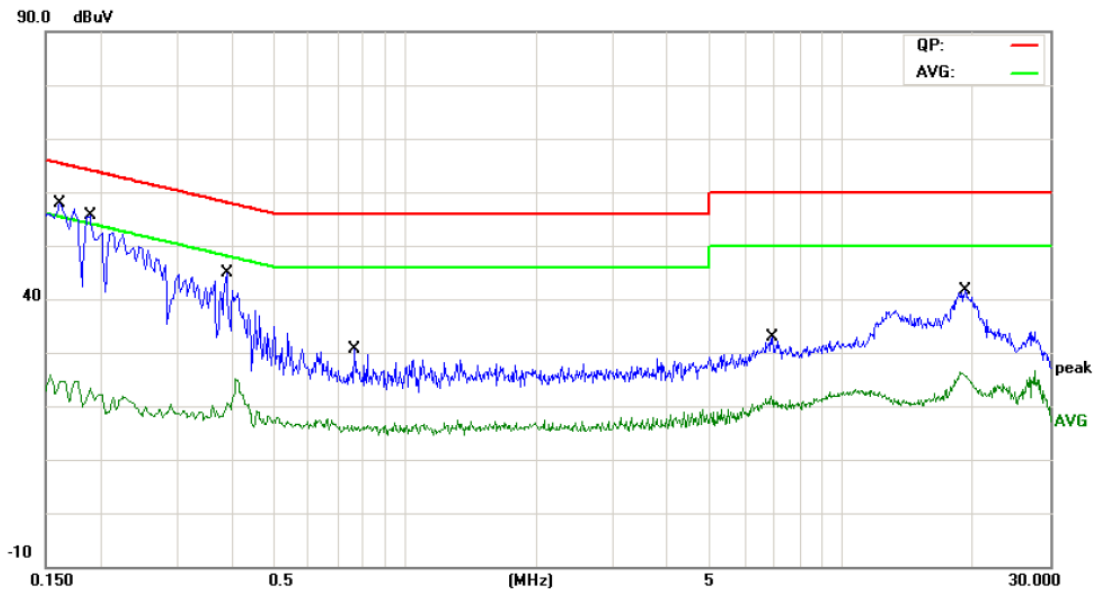
Result

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

Antenna Type
<input checked="" type="checkbox"/> Permanent attached antenna
<input type="checkbox"/> Unique connector antenna
<input type="checkbox"/> Professional installation antenna

Attachment A-- Conducted Emission Test Data

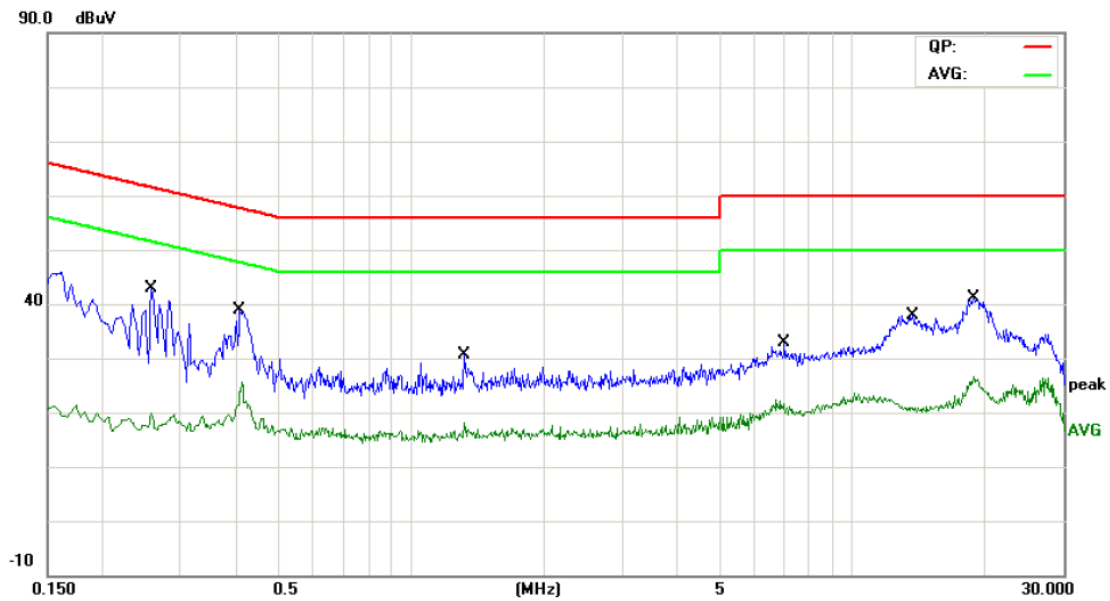
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV	dBuV	dB	
1		0.1620	29.00	9.77	38.77	65.36	-26.59	QP
2		0.1620	8.18	9.77	17.95	55.36	-37.41	AVG
3		0.1900	25.46	9.78	35.24	64.03	-28.79	QP
4		0.1900	7.40	9.78	17.18	54.03	-36.85	AVG
5		0.3899	20.26	9.84	30.10	58.06	-27.96	QP
6		0.3899	9.10	9.84	18.94	48.06	-29.12	AVG
7		0.7660	9.82	9.77	19.59	56.00	-36.41	QP
8		0.7660	5.23	9.77	15.00	46.00	-31.00	AVG
9		6.9420	16.14	9.82	25.96	60.00	-34.04	QP
10		6.9420	10.01	9.82	19.83	50.00	-30.17	AVG
11		19.1299	25.26	9.86	35.12	60.00	-24.88	QP
12	*	19.1299	15.30	9.86	25.16	50.00	-24.84	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Neutral		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.2580	16.55	9.69	26.24	61.49	-35.25	QP
2		0.2580	6.66	9.69	16.35	51.49	-35.14	AVG
3	*	0.4100	26.49	9.76	36.25	57.65	-21.40	QP
4		0.4100	14.39	9.76	24.15	47.65	-23.50	AVG
5		1.3220	12.36	9.70	22.06	56.00	-33.94	QP
6		1.3220	7.02	9.70	16.72	46.00	-29.28	AVG
7		6.9900	16.78	9.86	26.64	60.00	-33.36	QP
8		6.9900	11.09	9.86	20.95	50.00	-29.05	AVG
9		13.6460	21.16	9.86	31.02	60.00	-28.98	QP
10		13.6460	9.52	9.86	19.38	50.00	-30.62	AVG
11		18.7979	25.14	9.68	34.82	60.00	-25.18	QP
12		18.7979	15.84	9.68	25.52	50.00	-24.48	AVG

Emission Level= Read Level+ Correct Factor

Attachment B-- Radiated Emission Test Data

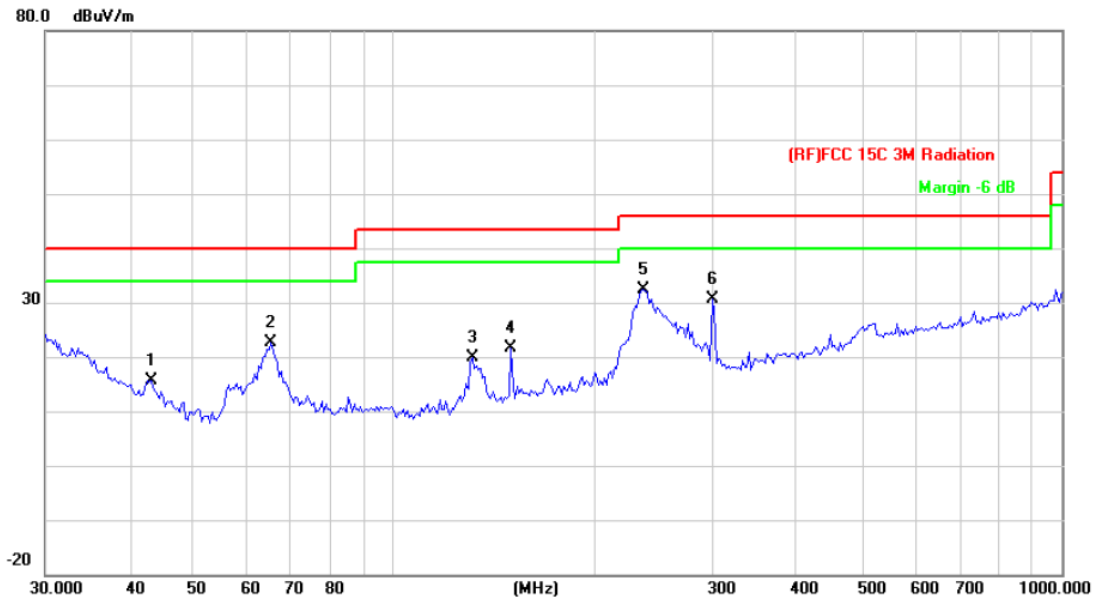
9KHz~30MHz

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:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	Only worse case is reported		

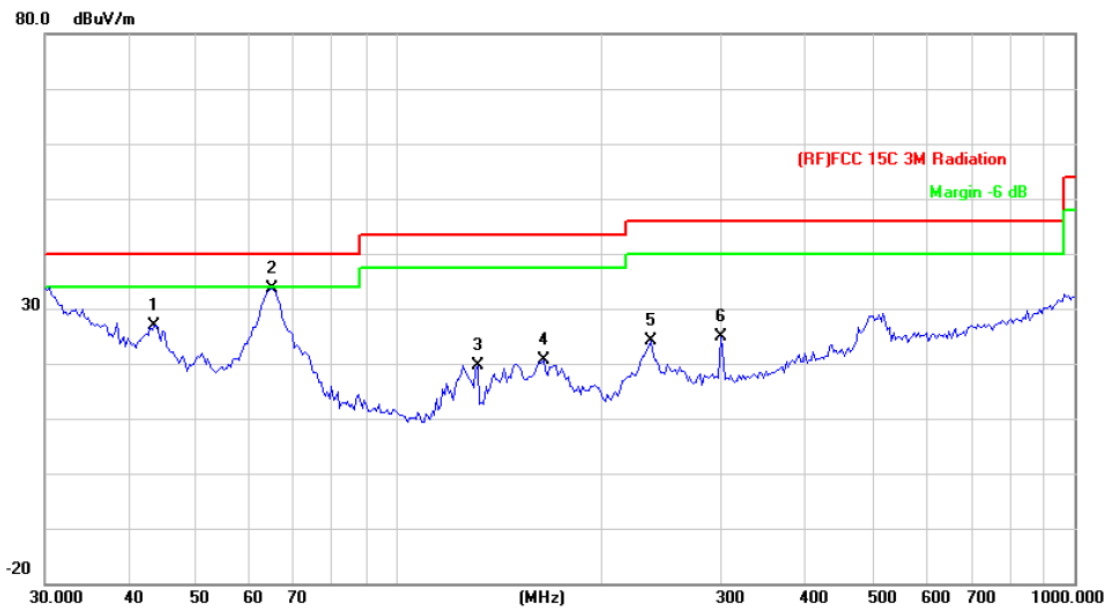


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		43.2017	36.46	-20.77	15.69	40.00	-24.31	QP
2		65.3432	46.60	-23.97	22.63	40.00	-17.37	QP
3		130.8369	42.22	-22.45	19.77	43.50	-23.73	QP
4		149.4857	43.18	-21.48	21.70	43.50	-21.80	QP
5	*	235.8164	50.21	-17.86	32.35	46.00	-13.65	QP
6		299.3158	46.63	-16.00	30.63	46.00	-15.37	QP

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHZ		
Remark:	Only worse case is reported		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		43.5057	47.87	-20.92	26.95	40.00	-13.05	QP
2	*	64.8865	57.72	-24.02	33.70	40.00	-6.30	QP
3		130.8369	42.01	-22.45	19.56	43.50	-23.94	QP
4		163.7550	41.33	-20.72	20.61	43.50	-22.89	QP
5		235.8164	42.06	-17.86	24.20	46.00	-21.80	QP
6		299.3158	40.80	-16.00	24.80	46.00	-21.20	QP

*:Maximum data x:Over limit !:over margin

Emission Level= Read Level+ Correct Factor

Above 1GHz

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4824.852	47.52	14.55	62.07	74.00	-11.93	peak
2	*	4825.000	32.15	14.55	46.70	54.00	-7.30	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical						
Test Mode:	TX B 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	Detector
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	4823.832	42.80	14.55	57.35	74.00	-16.65	peak
2 *	4825.000	28.68	14.55	43.23	54.00	-10.77	AVG
Emission Level= Read Level+ Correct Factor							

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4873.000	43.36	14.85	58.21	74.00	-15.79	peak
2	*	4873.000	30.13	14.85	44.98	54.00	-9.02	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%																																				
Test Voltage:	AC 120V/60HZ																																						
Ant. Pol.	Vertical																																						
Test Mode:	TX B Mode 2437MHz																																						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.																																						
<table border="1"> <thead> <tr> <th>No.</th> <th>Mk.</th> <th>Freq.</th> <th>Reading Level</th> <th>Correct Factor</th> <th>Measurement</th> <th>Limit</th> <th>Over</th> <th></th> </tr> <tr> <th></th> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB/m</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>4874.228</td> <td>42.70</td> <td>14.86</td> <td>57.56</td> <td>74.00</td> <td>-16.44</td> <td>peak</td> </tr> <tr> <td>2</td> <td>*</td> <td>4874.896</td> <td>28.61</td> <td>14.86</td> <td>43.47</td> <td>54.00</td> <td>-10.53</td> <td>AVG</td> </tr> </tbody> </table>				No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over				MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	1		4874.228	42.70	14.86	57.56	74.00	-16.44	peak	2	*	4874.896	28.61	14.86	43.47	54.00	-10.53	AVG
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over																																
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector																															
1		4874.228	42.70	14.86	57.56	74.00	-16.44	peak																															
2	*	4874.896	28.61	14.86	43.47	54.00	-10.53	AVG																															
Emission Level= Read Level+ Correct Factor																																							

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4924.612	43.97	15.17	59.14	74.00	-14.86	peak
2	*	4924.684	28.91	15.17	44.08	54.00	-9.92	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2462MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4923.584	43.13	15.17	58.30	74.00	-15.70	peak
2	*	4924.368	28.92	15.17	44.09	54.00	-9.91	AVG
Emission Level= Read Level+ Correct Factor								

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4824.416	47.68	14.55	62.23	74.00	-11.77	peak
2	*	4825.000	32.11	14.55	46.66	54.00	-7.34	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test Mode:	TX G Mode 2412MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.472	42.78	14.55	57.33	74.00	-16.67	peak
2	*	4824.896	28.65	14.55	43.20	54.00	-10.80	AVG
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C		Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2437MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	4873.000	30.09	14.85	44.94	54.00	-9.06	AVG
2		4873.372	44.87	14.86	59.73	74.00	-14.27	peak
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2437MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	4874.484	42.89	14.86	57.75	74.00	-16.25	peak
2 *	4874.788	28.59	14.86	43.45	54.00	-10.55	AVG
Emission Level= Read Level+ Correct Factor							

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2462MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4923.796	43.35	15.17	58.52	74.00	-15.48	peak
2	*	4923.104	28.88	15.17	44.05	54.00	-9.95	AVG
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2462MHz						
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	Detector
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1 *	4923.420	28.91	15.17	44.08	54.00	-9.92	AVG
2	4924.548	42.71	15.17	57.88	74.00	-16.12	peak
Emission Level= Read Level+ Correct Factor							

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal							
Test 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	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4825.000	32.09	14.55	46.64	54.00	-7.36	AVG
2		4824.496	47.43	14.55	61.98	74.00	-12.02	peak
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test 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	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4824.276	42.55	14.55	57.10	74.00	-16.90	peak
2	*	4825.000	28.68	14.55	43.23	54.00	-10.77	AVG
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C		Relative Humidity:	55%				
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal							
Test Mode:	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	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4873.000	30.08	14.85	44.93	54.00	-9.07	AVG
2		4874.184	44.51	14.86	59.37	74.00	-14.63	peak
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test Mode:	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	Correct Factor	Measure-ment	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4874.832	42.31	14.86	57.17	74.00	-16.83	peak
2	*	4875.000	28.61	14.86	43.47	54.00	-10.53	AVG
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	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	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4923.680	42.96	15.17	58.13	74.00	-15.87	peak
2	*	4924.896	28.90	15.18	44.08	54.00	-9.92	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test Mode:	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	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4923.484	42.77	15.17	57.94	74.00	-16.06	peak
2	*	4923.844	28.91	15.17	44.08	54.00	-9.92	AVG
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT40) Mode 2422MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4844.052	36.20	14.68	50.88	54.00	-3.12	AVG
2		4844.168	50.52	14.68	65.20	74.00	-8.80	peak
Emission Level= Read Level+ Correct Factor								

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4843.000	28.83	14.67	43.50	54.00	-10.50	AVG
2		4844.240	43.62	14.68	58.30	74.00	-15.70	peak

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C		Relative Humidity:	55%																																							
Test Voltage:	AC 120V/60HZ																																										
Ant. Pol.	Horizontal																																										
Test Mode:	TX N(HT40) Mode 2437MHz																																										
Remark:	No report for the emission which more than 10 dB below the prescribed limit.																																										
<table border="1"> <thead> <tr> <th>No.</th> <th>Mk.</th> <th>Freq.</th> <th>Reading Level</th> <th>Correct Factor</th> <th>Measurement</th> <th>Limit</th> <th>Over</th> <th></th> </tr> <tr> <th></th> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB/m</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>Detector</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>*</td> <td>4873.000</td> <td>30.12</td> <td>14.85</td> <td>44.97</td> <td>54.00</td> <td>-9.03</td> <td>AVG</td> </tr> <tr> <td>2</td> <td></td> <td>4873.184</td> <td>44.70</td> <td>14.85</td> <td>59.55</td> <td>74.00</td> <td>-14.45</td> <td>peak</td> </tr> </tbody> </table>								No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over				MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	1	*	4873.000	30.12	14.85	44.97	54.00	-9.03	AVG	2		4873.184	44.70	14.85	59.55	74.00	-14.45	peak
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over																																				
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector																																			
1	*	4873.000	30.12	14.85	44.97	54.00	-9.03	AVG																																			
2		4873.184	44.70	14.85	59.55	74.00	-14.45	peak																																			
Emission Level= Read Level+ Correct Factor																																											

Temperature:	25 °C		Relative Humidity:	55%			
Test Voltage:	AC 120V/60HZ						
Ant. Pol.	Vertical						
Test Mode:	TX N(HT40) Mode 2437MHz						
Remark:	No report for the emission which more than 10 dB below the prescribed limit.						
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB Detector
1		4874.816	42.84	14.86	57.70	74.00	-16.30 peak
2	*	4875.000	28.62	14.86	43.48	54.00	-10.52 AVG
Emission Level= Read Level+ Correct Factor							

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT40) Mode 2452MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4903.104	28.87	15.04	43.91	54.00	-10.09	AVG
2		4904.864	43.94	15.05	58.99	74.00	-15.01	peak
Emission Level= Read Level+ Correct Factor								

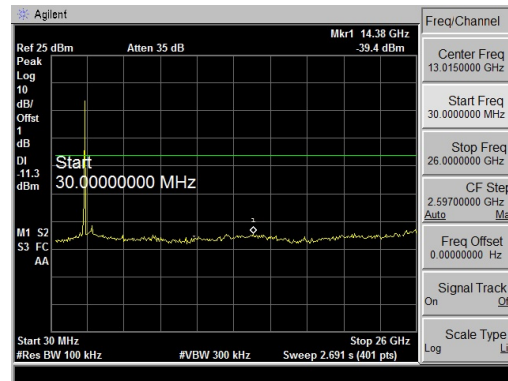
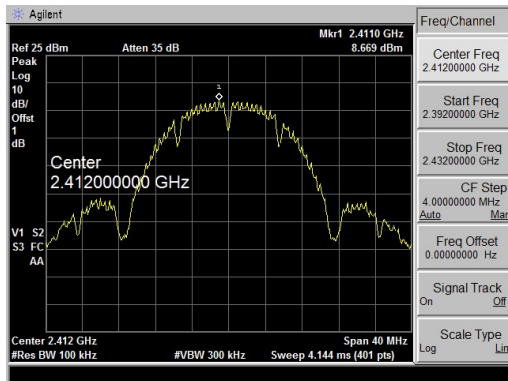
Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60HZ							
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2452MHz							
Remark:	No report for the emission which more than 10 dB below the prescribed limit.							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4903.844	28.91	15.04	43.95	54.00	-10.05	AVG
2		4904.492	43.33	15.05	58.38	74.00	-15.62	peak
Emission Level= Read Level+ Correct Factor								

Attachment C-- Conducted RF Spurious Emission Test Data

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

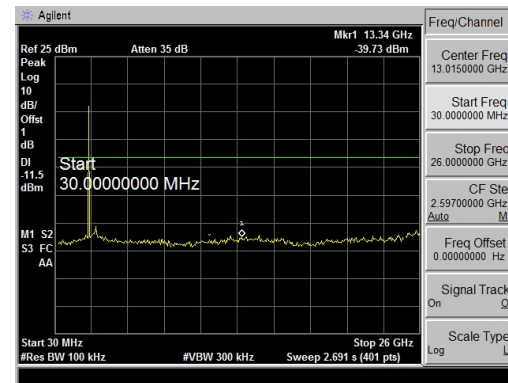
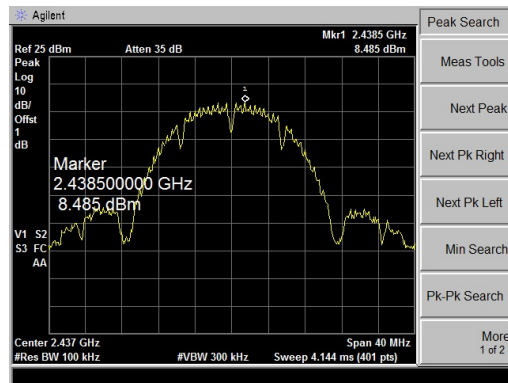
2412 MHz

0.03GHz-26.5GHz



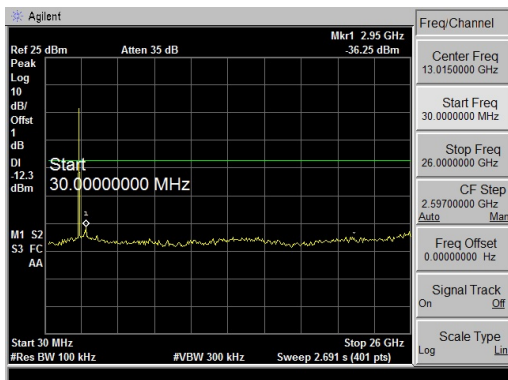
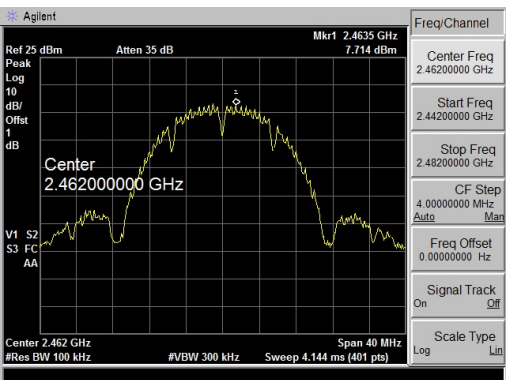
2437 MHz

0.03GHz-26.5GHz



2462 MHz

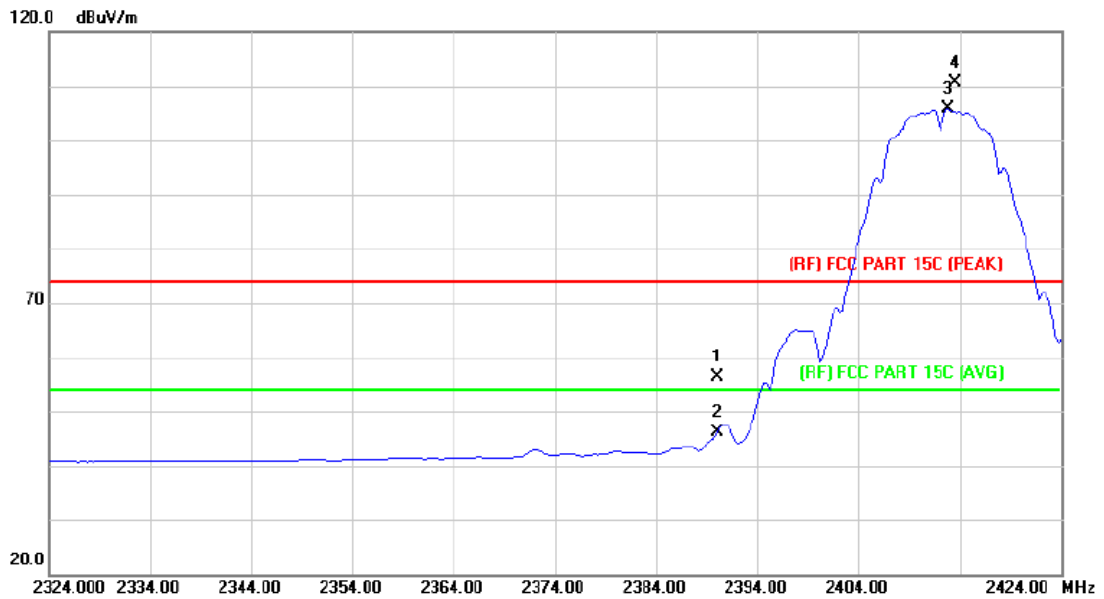
0.03GHz-26.5GHz



Attachment D-- Restricted Bands Requirement Test Data

(1) Radiation Test

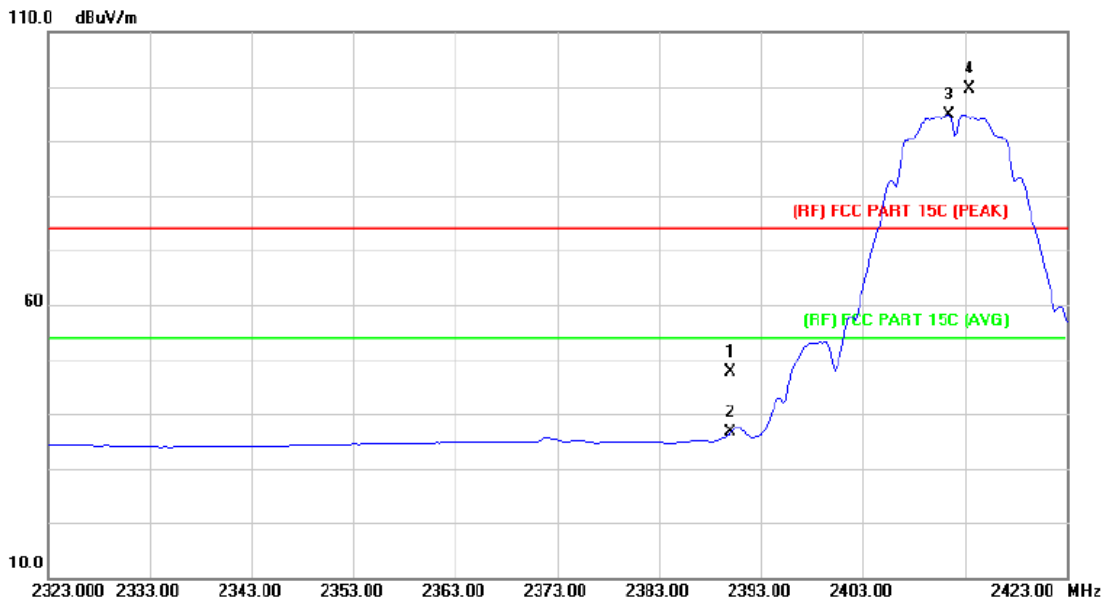
Temperature:	26 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	53.47	2.82	56.29	74.00	-17.71	peak
2		2390.000	43.42	2.82	46.24	54.00	-7.76	AVG
3	*	2412.800	102.86	2.94	105.80	Fundamental Frequency		AVG
4	X	2413.600	107.59	2.95	110.54	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

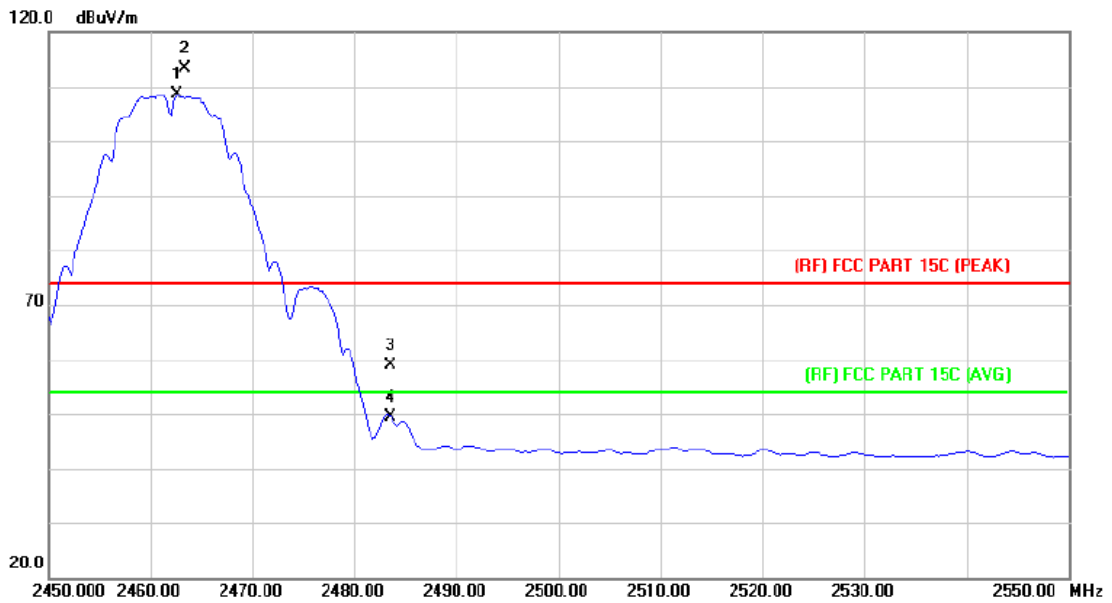
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.84	2.82	47.66	74.00	-26.34	peak
2		2390.000	33.74	2.82	36.56	54.00	-17.44	AVG
3	*	2411.400	91.99	2.94	94.93	Fundamental Frequency		AVG
4	X	2413.400	96.66	2.95	99.61	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

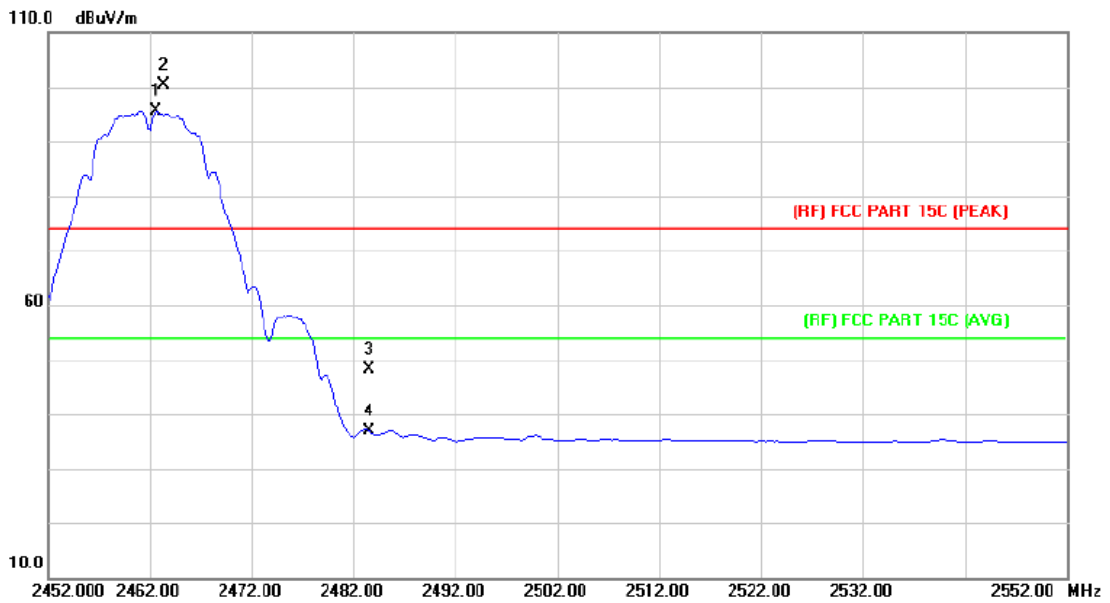
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2462.600	105.41	3.27	108.68	Fundamental Frequency		AVG
2	X	2463.400	110.11	3.28	113.39	Fundamental Frequency		peak
3		2483.500	55.41	3.41	58.82	74.00	-15.18	peak
4		2483.500	45.85	3.41	49.26	54.00	-4.74	AVG

Emission Level= Read Level+ Correct Factor

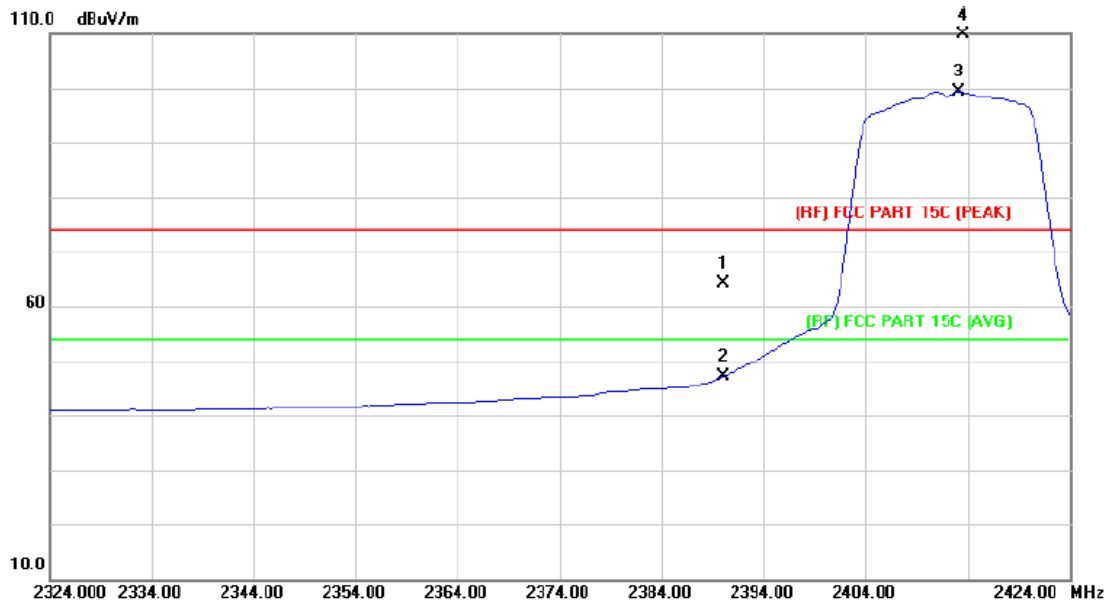
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX B Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2462.600	92.37	3.27	95.64	Fundamental Frequency		AVG
2	X	2463.400	97.12	3.28	100.40	Fundamental Frequency		peak
3		2483.500	44.67	3.41	48.08	74.00	-25.92	peak
4		2483.500	33.36	3.41	36.77	54.00	-17.23	AVG

Emission Level= Read Level+ Correct Factor

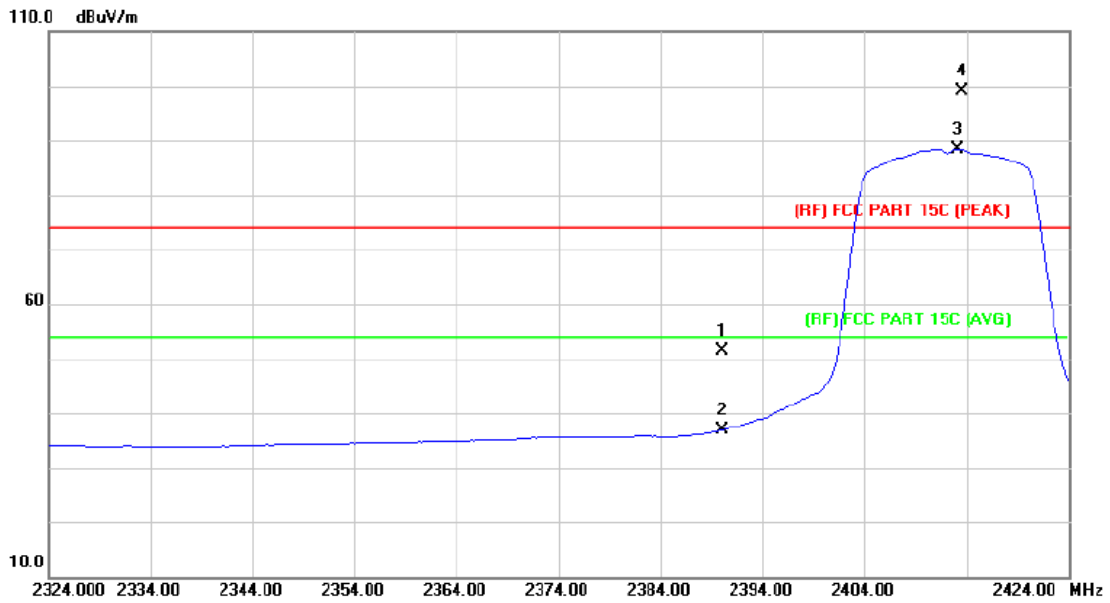
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	61.32	2.82	64.14	74.00	-9.86	peak
2		2390.000	44.22	2.82	47.04	54.00	-6.96	AVG
3	*	2413.200	96.38	2.95	99.33	Fundamental Frequency		AVG
4	X	2413.600	106.93	2.95	109.88	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

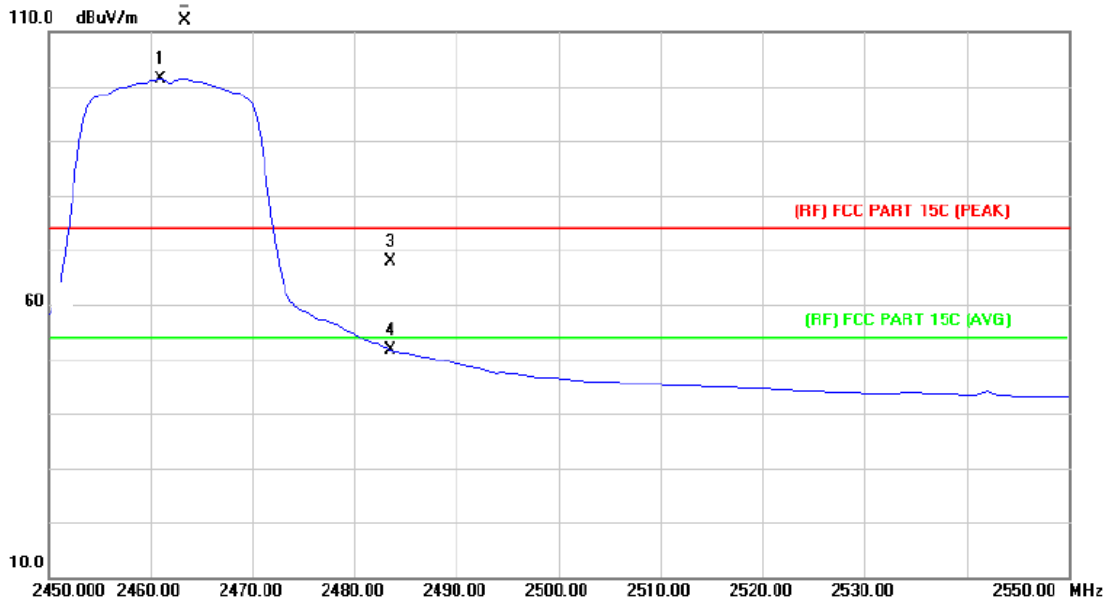
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	48.56	2.82	51.38	74.00	-22.62	peak
2		2390.000	34.02	2.82	36.84	54.00	-17.16	AVG
3	*	2413.200	85.49	2.95	88.44	Fundamental Frequency		AVG
4	X	2413.600	96.12	2.95	99.07	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

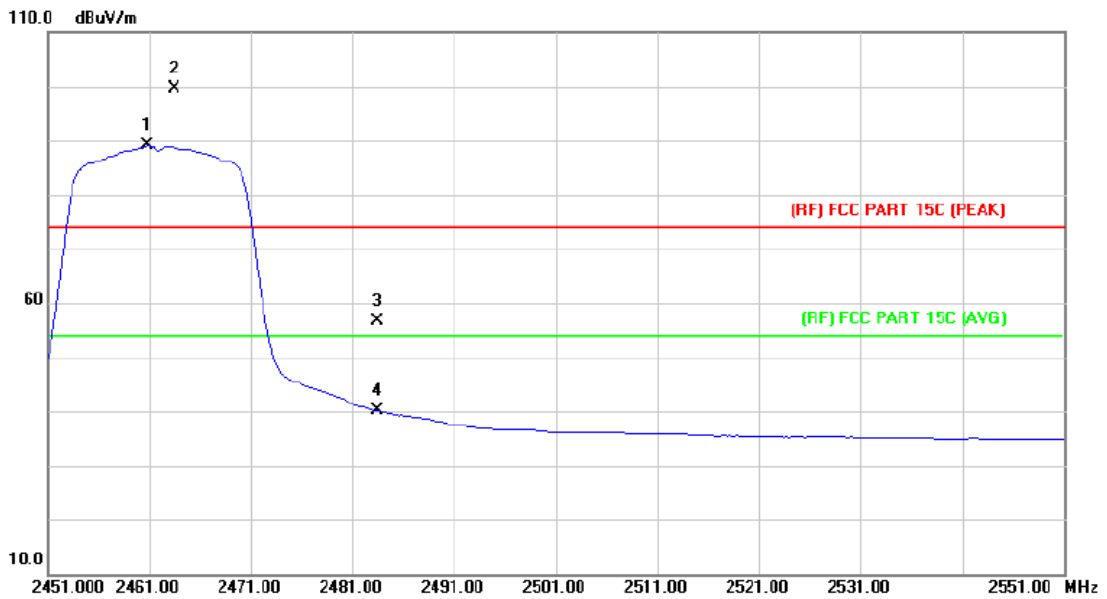
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2461.000	98.19	3.26	101.45	Fundamental Frequency		AVG
2	X	2463.400	108.74	3.28	112.02	Fundamental Frequency		peak
3		2483.500	64.36	3.41	67.77	74.00	-6.23	peak
4		2483.500	48.21	3.41	51.62	54.00	-2.38	AVG

Emission Level= Read Level+ Correct Factor

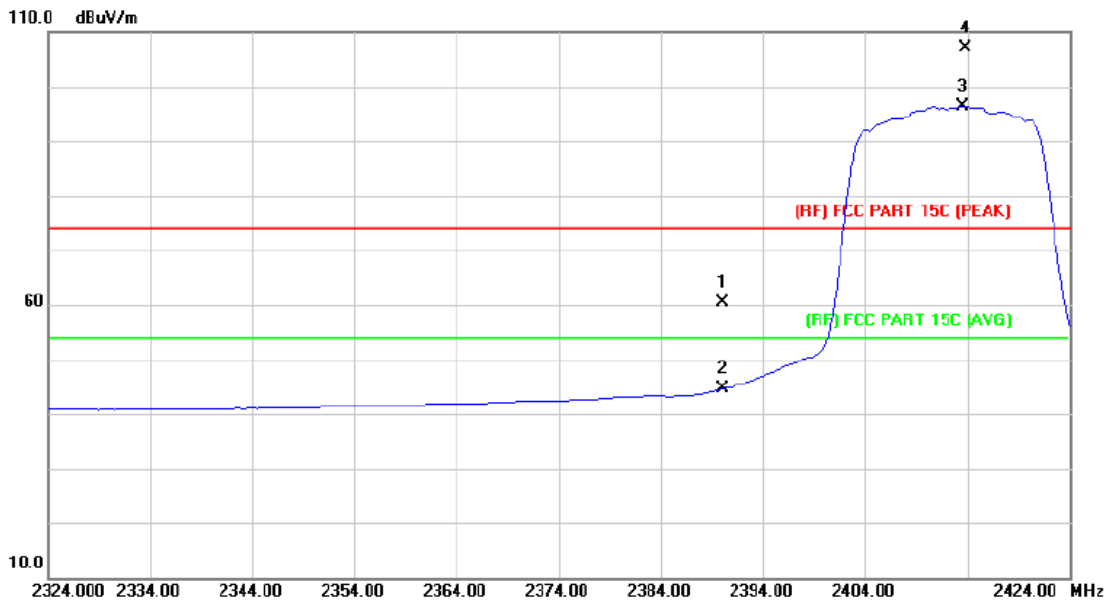
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX G Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2460.800	85.75	3.26	89.01	Fundamental Frequency		AVG
2	X	2463.400	96.42	3.28	99.70	Fundamental Frequency		peak
3		2483.500	53.25	3.41	56.66	74.00	-17.34	peak
4		2483.500	36.67	3.41	40.08	54.00	-13.92	AVG

Emission Level= Read Level+ Correct Factor

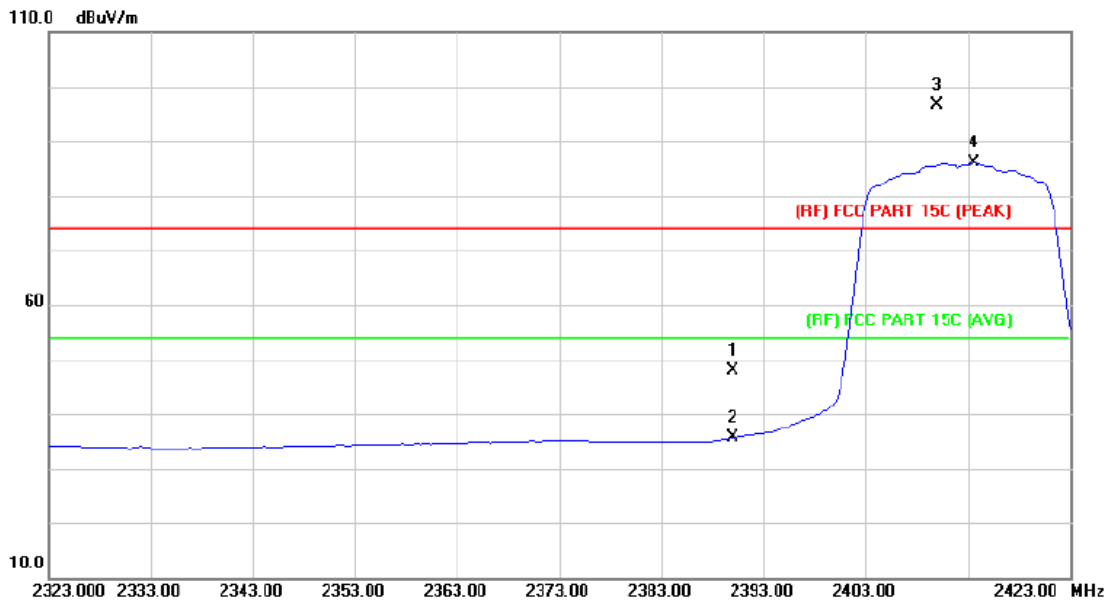
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	57.57	2.82	60.39	74.00	-13.61	peak
2		2390.000	41.76	2.82	44.58	54.00	-9.42	AVG
3	*	2413.600	93.50	2.95	96.45	Fundamental Frequency		AVG
4	X	2413.800	104.21	2.95	107.16	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

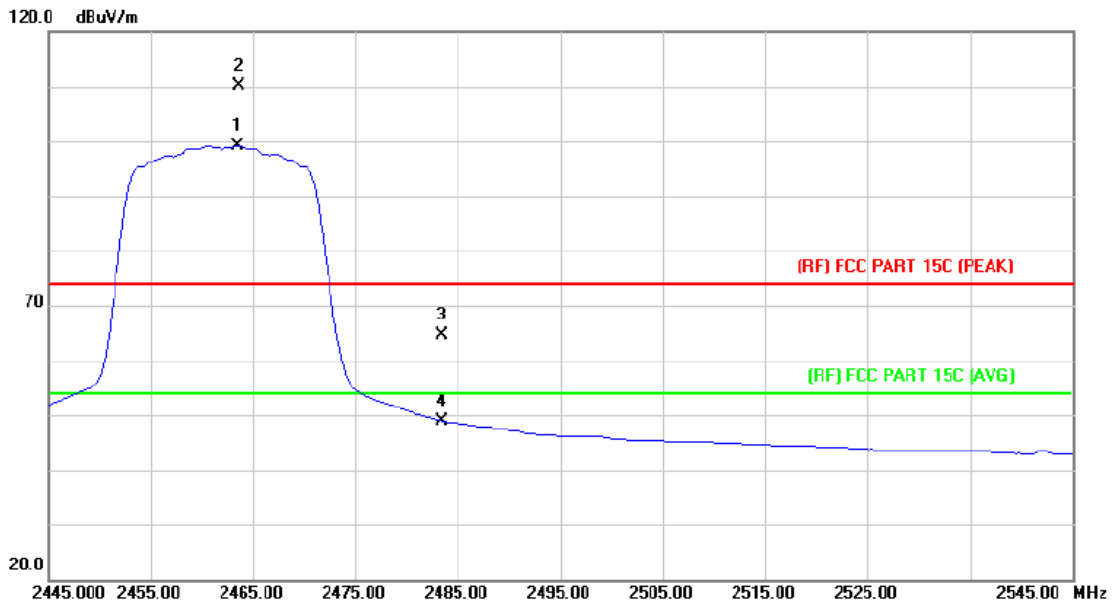
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2412MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	45.08	2.82	47.90	74.00	-26.10	peak
2		2390.000	32.89	2.82	35.71	54.00	-18.29	AVG
3	X	2410.000	93.64	2.93	96.57	Fundamental Frequency		peak
4	*	2413.600	83.06	2.95	86.01	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

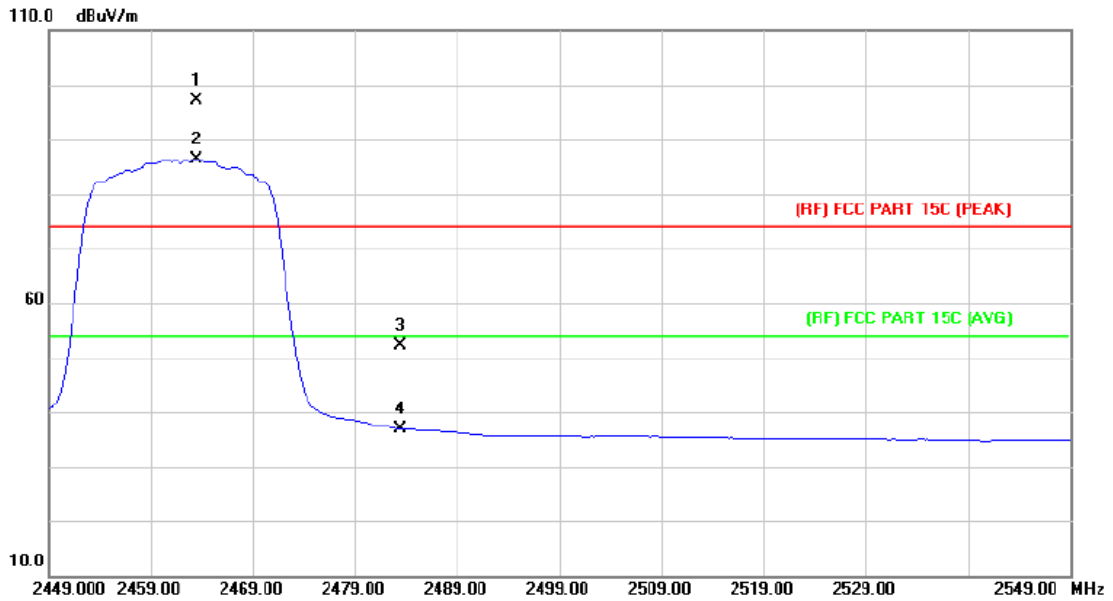
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2463.400	95.93	3.28	99.21	Fundamental Frequency		AVG
2	X	2463.600	106.73	3.28	110.01	Fundamental Frequency		peak
3		2483.500	61.26	3.41	64.67	74.00	-9.33	peak
4		2483.500	45.50	3.41	48.91	54.00	-5.09	AVG

Emission Level= Read Level+ Correct Factor

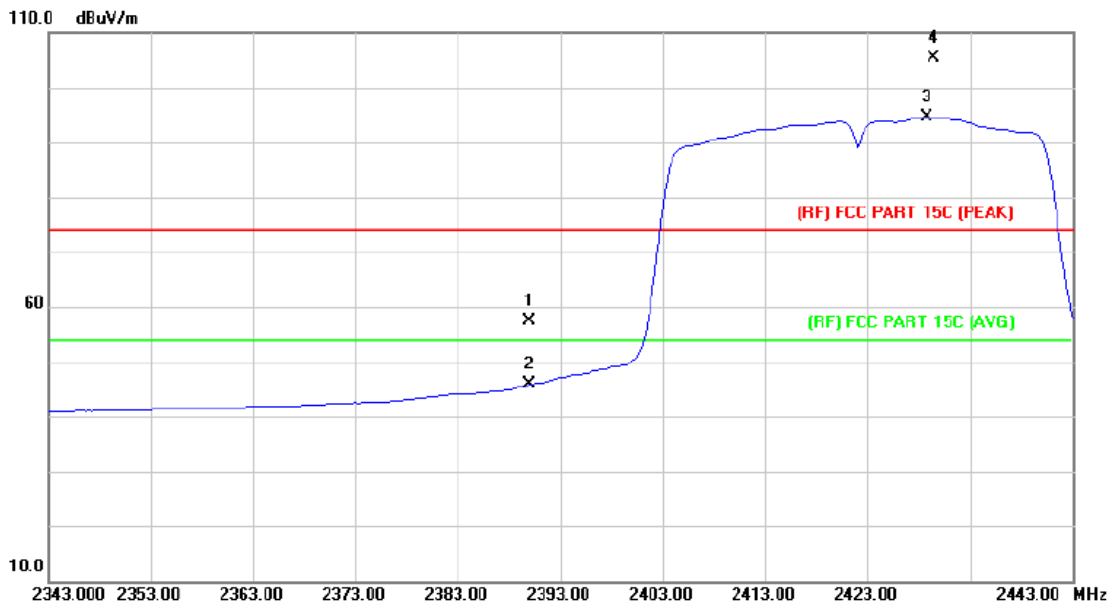
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT20) Mode 2462MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2463.400	93.92	3.28	97.20	Fundamental Frequency		peak
2	*	2463.400	83.16	3.28	86.44	Fundamental Frequency		AVG
3		2483.500	48.61	3.41	52.02	74.00	-21.98	peak
4		2483.500	33.46	3.41	36.87	54.00	-17.13	AVG

Emission Level= Read Level+ Correct Factor

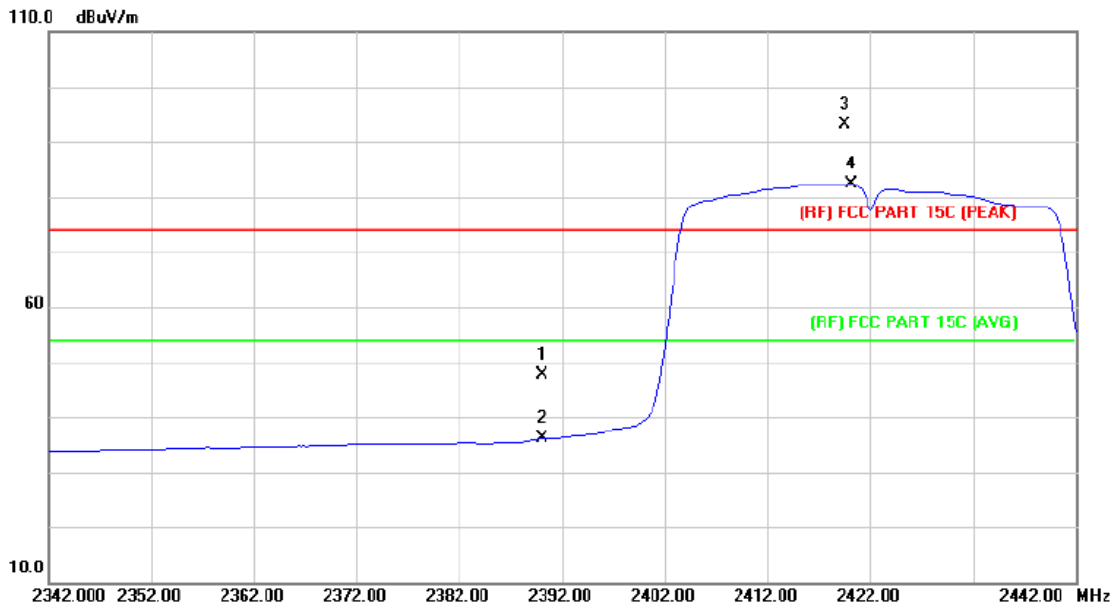
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	54.47	2.82	57.29	74.00	-16.71	peak
2		2390.000	42.97	2.82	45.79	54.00	-8.21	AVG
3	*	2428.800	91.49	3.04	94.53	Fundamental Frequency		AVG
4	X	2429.400	102.22	3.05	105.27	Fundamental Frequency		peak

Emission Level= Read Level+ Correct Factor

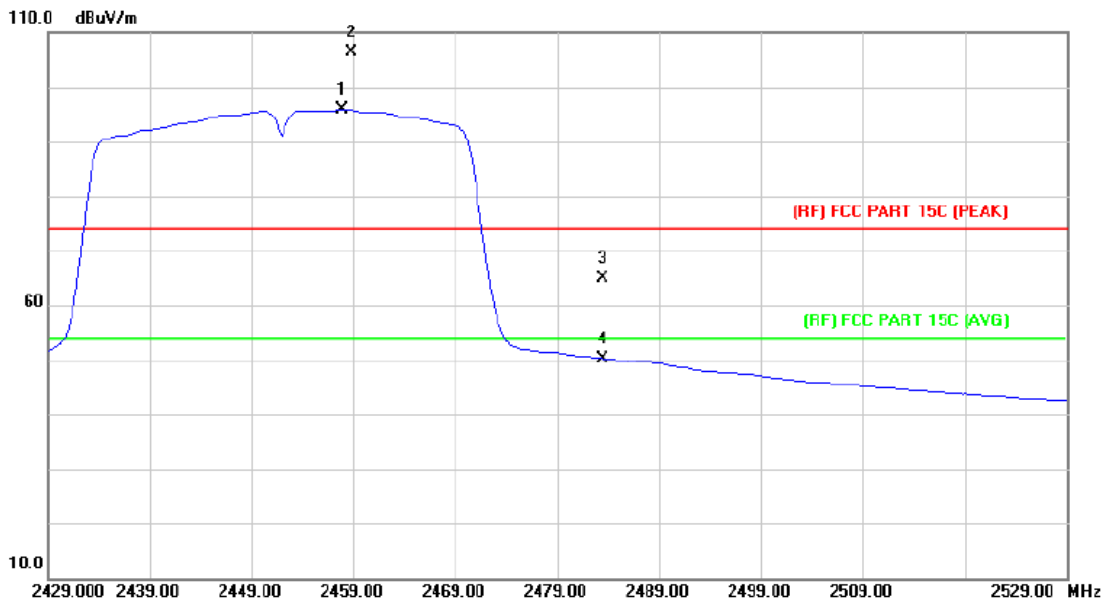
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2422MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.84	2.82	47.66	74.00	-26.34	peak
2		2390.000	33.26	2.82	36.08	54.00	-17.92	AVG
3	X	2419.600	90.17	2.99	93.16	Fundamental Frequency		peak
4	*	2420.200	79.33	2.99	82.32	Fundamental Frequency		AVG

Emission Level= Read Level+ Correct Factor

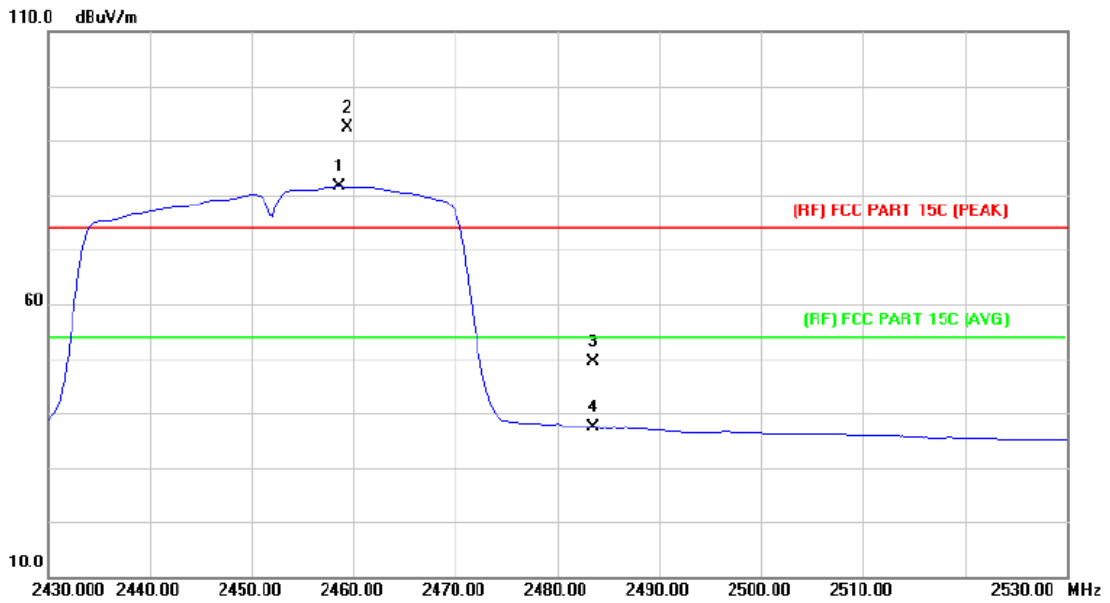
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Horizontal		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2457.800	92.60	3.24	95.84	Fundamental Frequency		AVG
2	X	2458.800	103.24	3.24	106.48	Fundamental Frequency		peak
3		2483.500	61.50	3.41	64.91	74.00	-9.09	peak
4		2483.500	46.83	3.41	50.24	54.00	-3.76	AVG

Emission Level= Read Level+ Correct Factor

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452MHz		
Remark:	N/A		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2458.600	78.27	3.24	81.51	Fundamental Frequency		AVG
2	X	2459.400	89.07	3.25	92.32	Fundamental Frequency		peak
3		2483.500	45.93	3.41	49.34	74.00	-24.66	peak
4		2483.500	33.94	3.41	37.35	54.00	-16.65	AVG

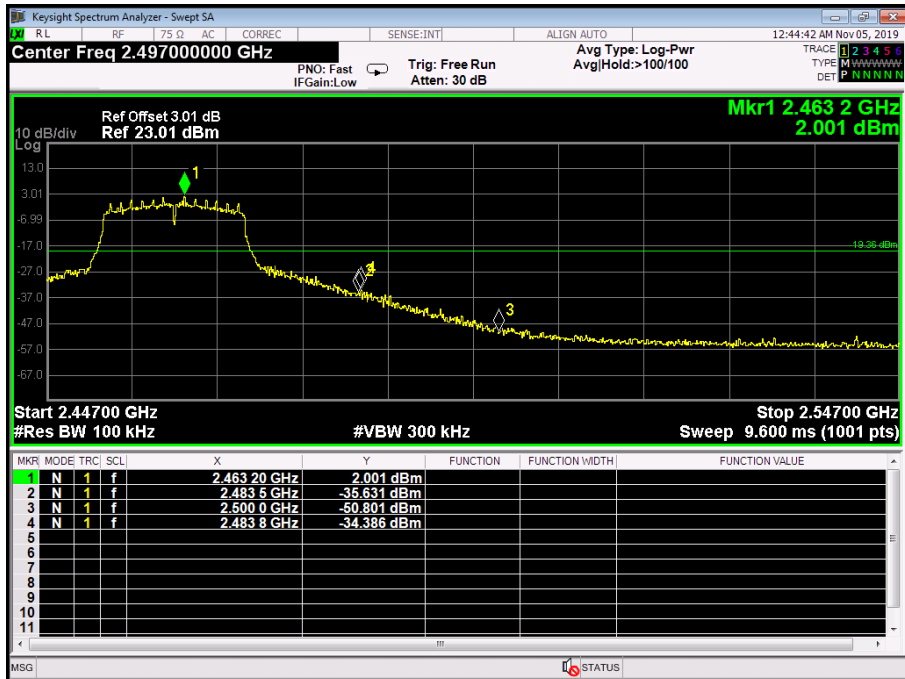
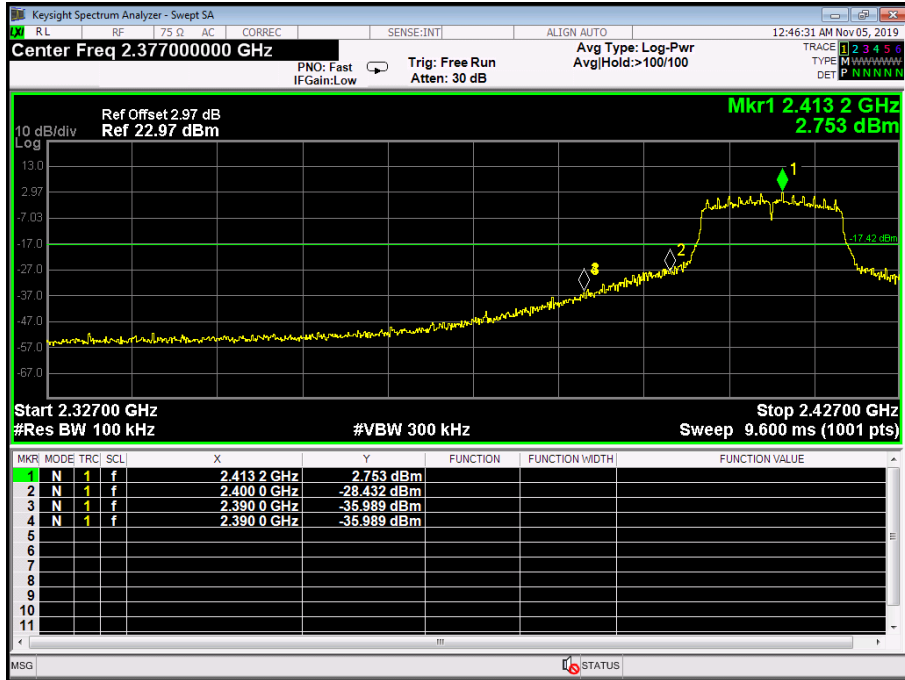
Emission Level= Read Level+ Correct Factor

(2) Conducted Test

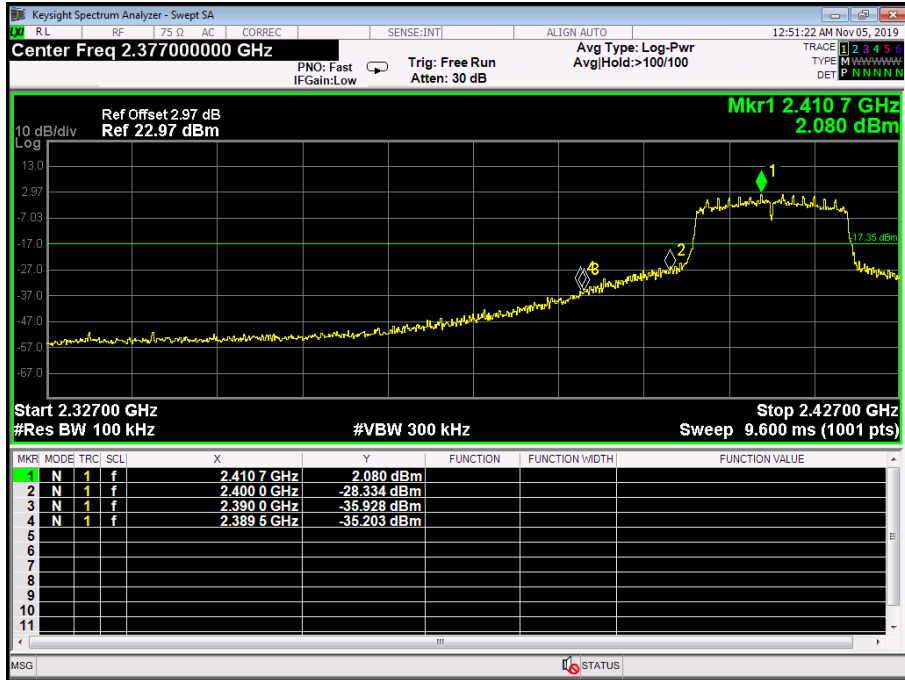
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



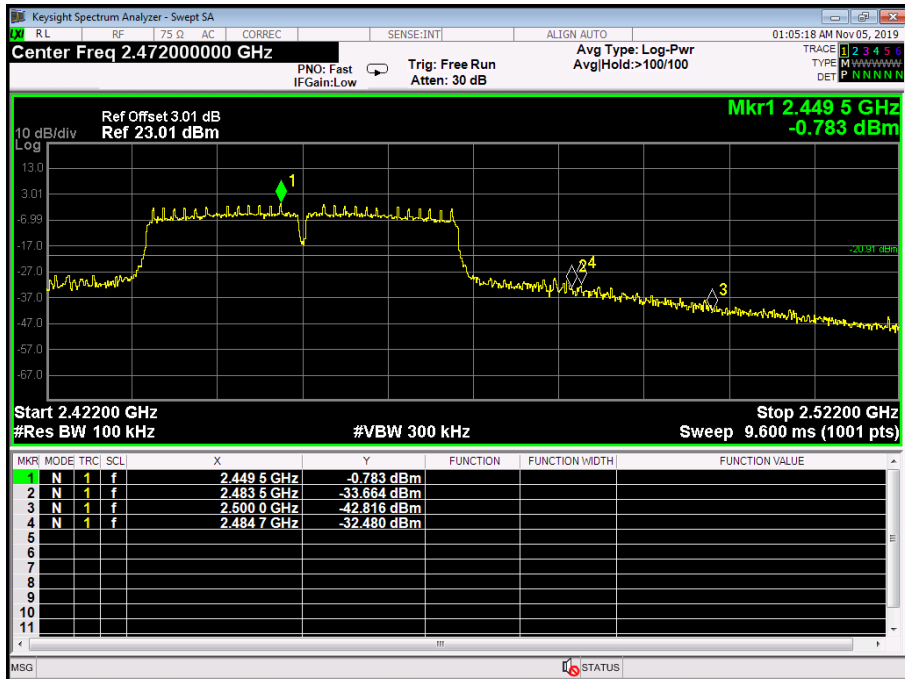
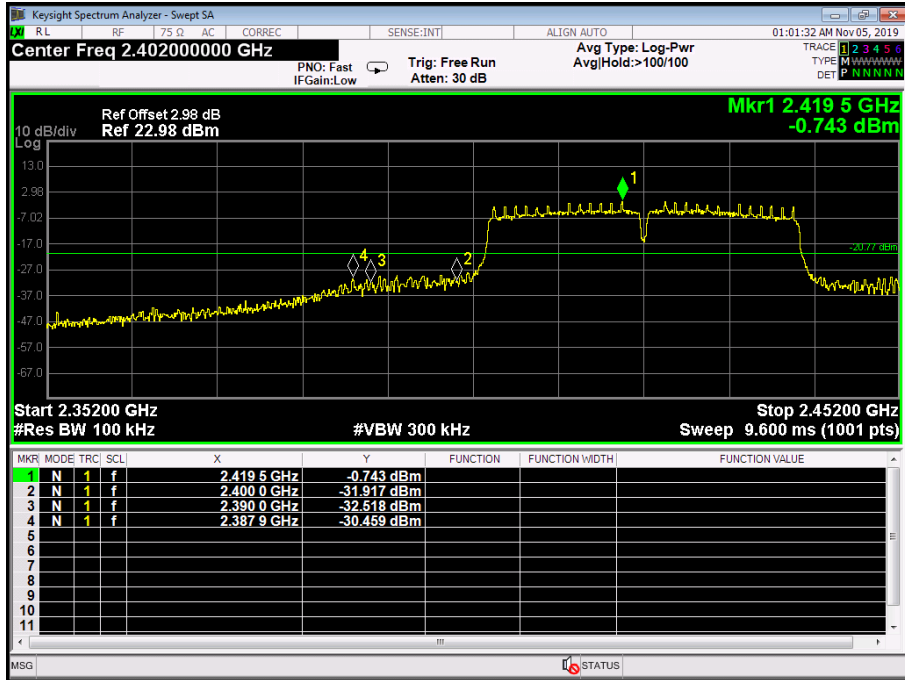
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX N(HT20) Mode 2412MHz / TX N(HT20) Mode 2462MHz		
Remark:	The EUT is programed in continuously transmitting mode		



Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX N(HT40) Mode 2422MHz / TX N(HT40) Mode 2452MHz		
Remark:	The EUT is programed in continuously transmitting mode		

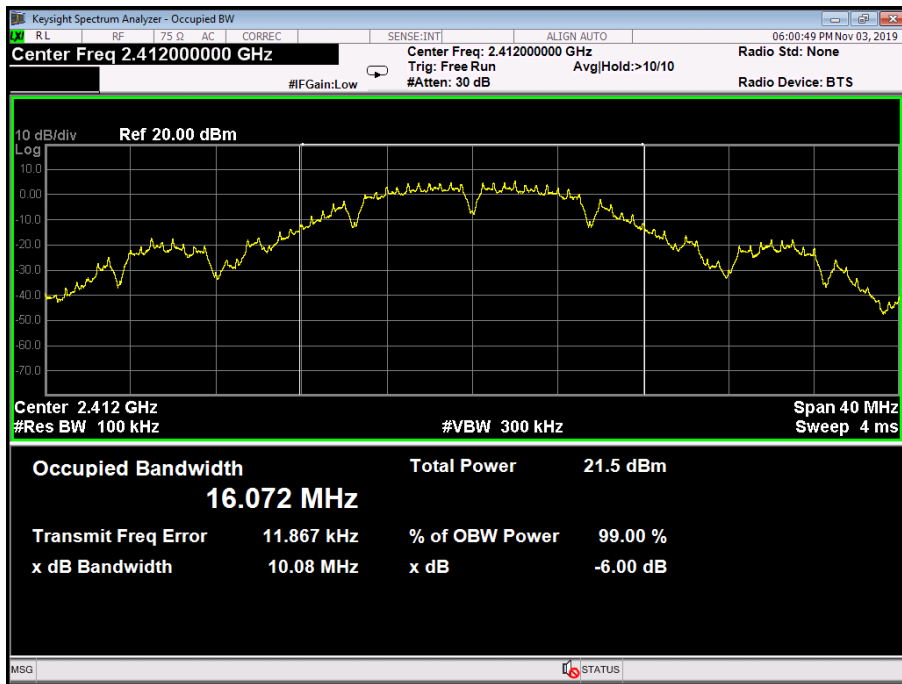


Attachment E-- Bandwidth Test Data

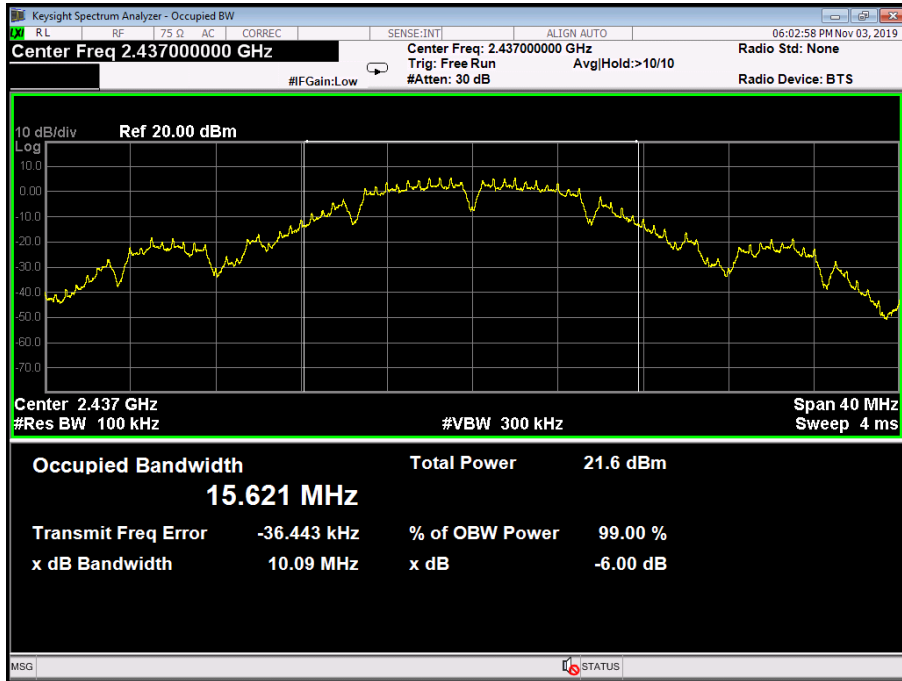
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11B Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	
2412	10.08	>=0.5	
2437	10.09		
2462	10.06		

802.11B Mode

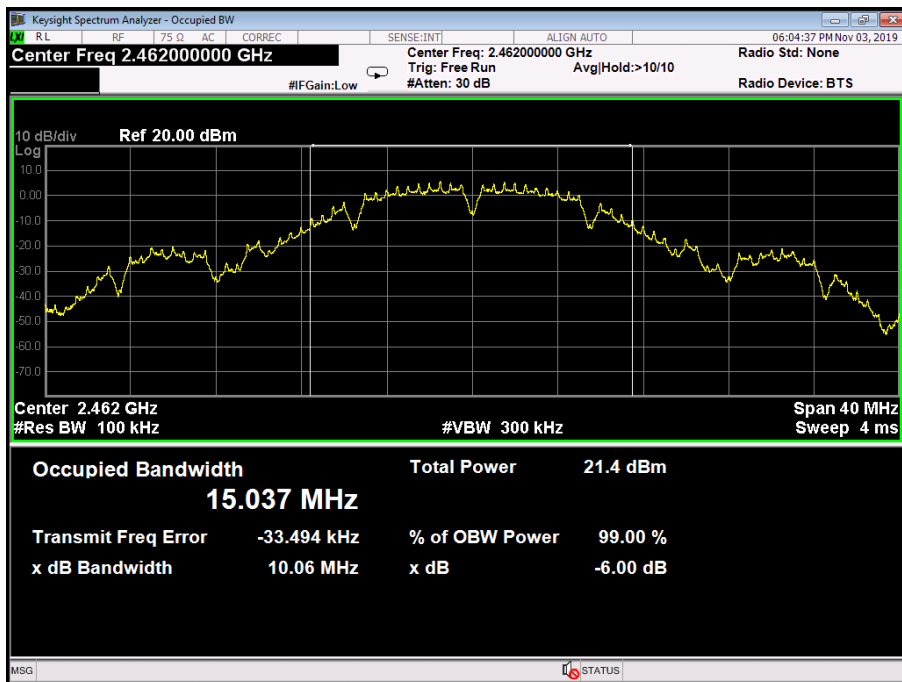
2412 MHz

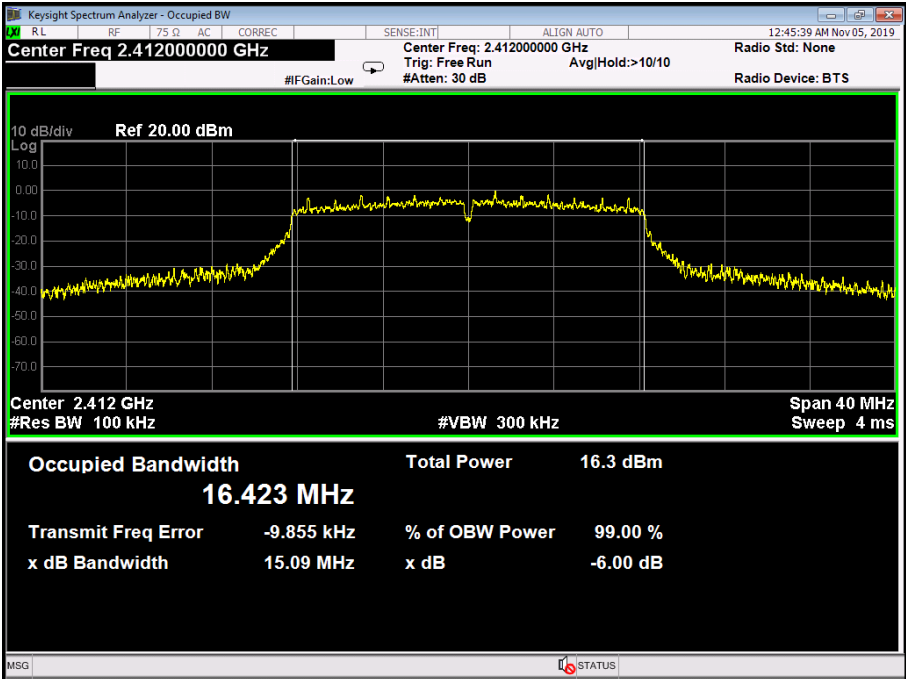


802.11B Mode
2437 MHz

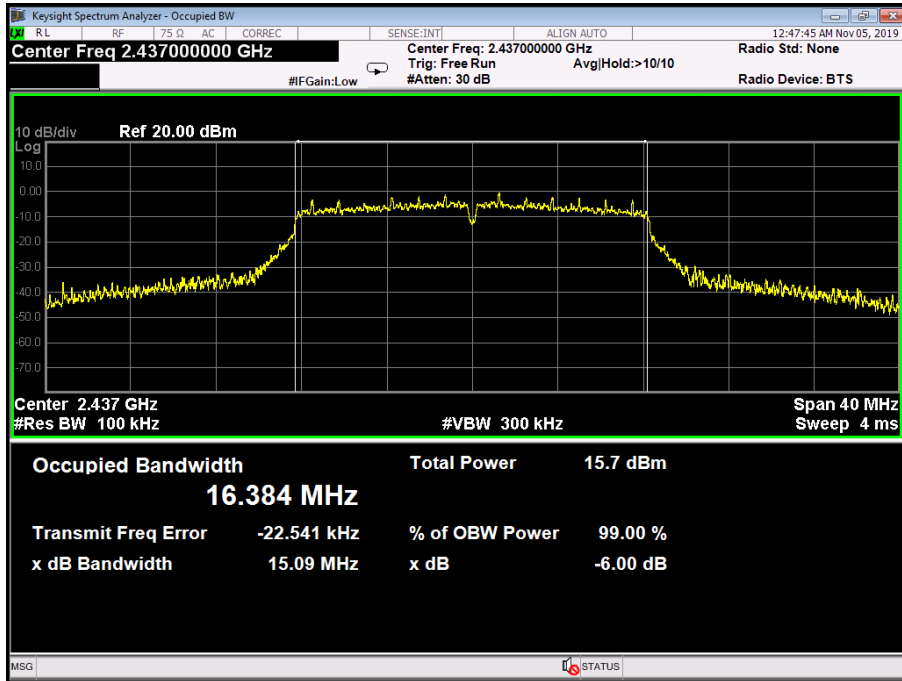


802.11B Mode
2462 MHz

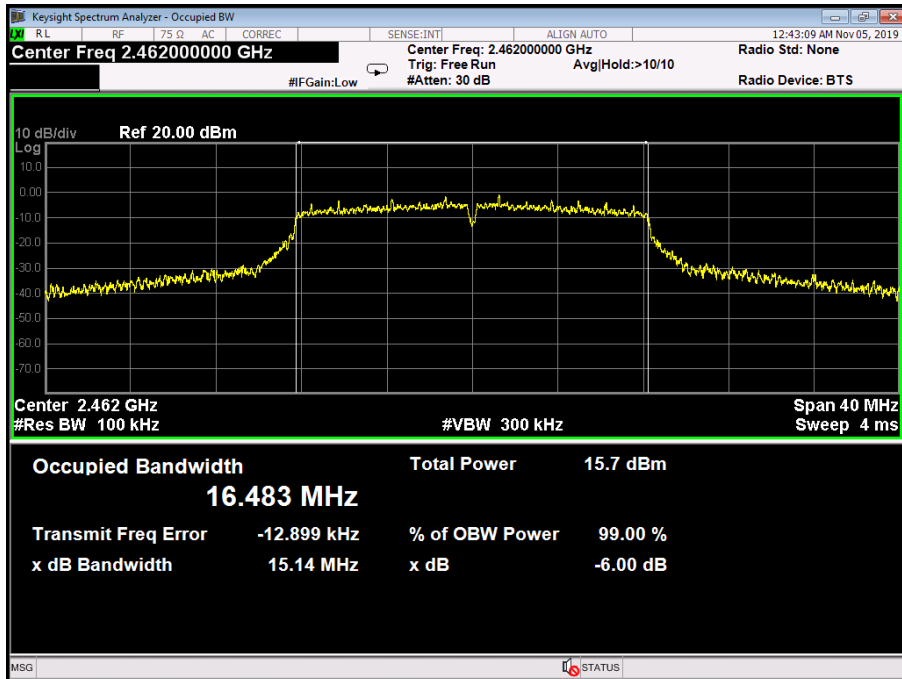


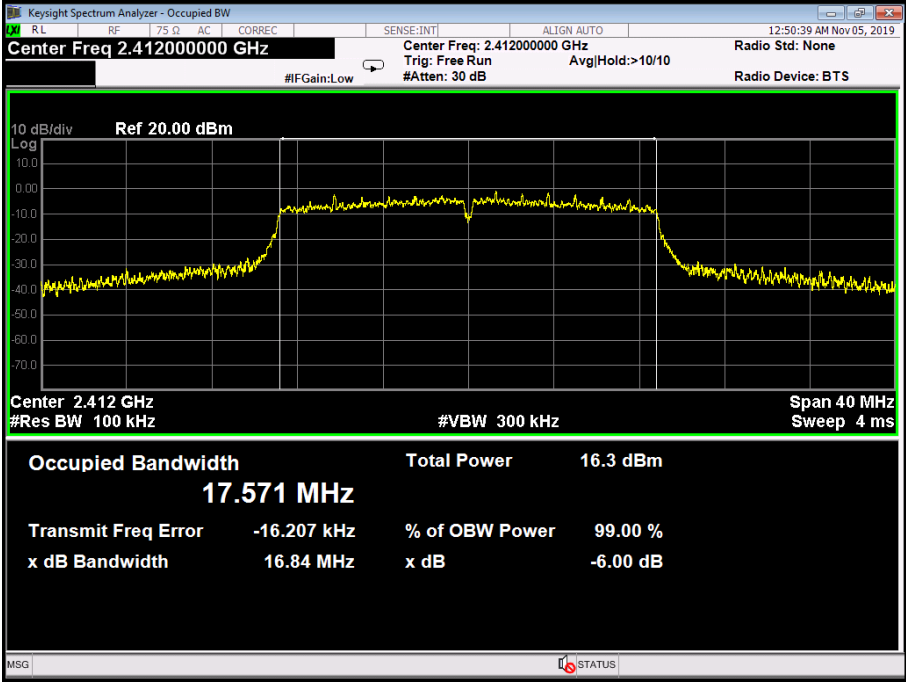
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11G Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
2412	15.09		≥0.5
2437	15.09		
2462	15.14		
802.11G Mode			
2412 MHz			
 <p>The screenshot displays a Keysight Spectrum Analyzer interface. The main plot shows a signal centered at 2.412 GHz with a span of 40 MHz. The vertical axis represents power in dBm, ranging from -70 to 10. The signal shows a clear peak at approximately -10 dBm. Below the plot, the 'Occupied Bandwidth' is measured as 16.423 MHz, and the 'Total Power' is 16.3 dBm. Other parameters include a transmit frequency error of -9.855 kHz and an x dB bandwidth of 15.09 MHz.</p>			

802.11G Mode
2437 MHz

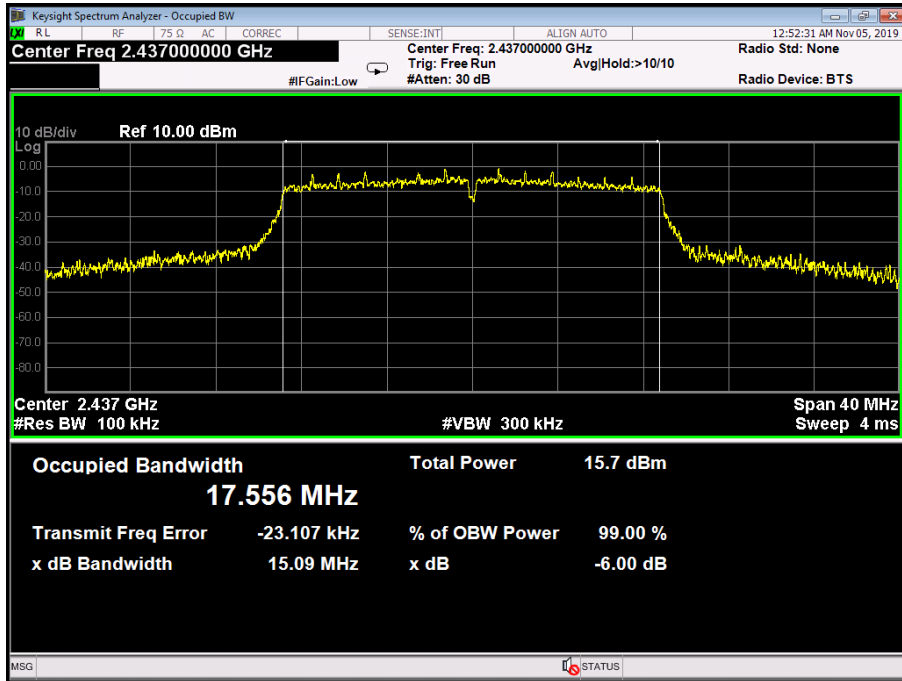


802.11G Mode
2462 MHz

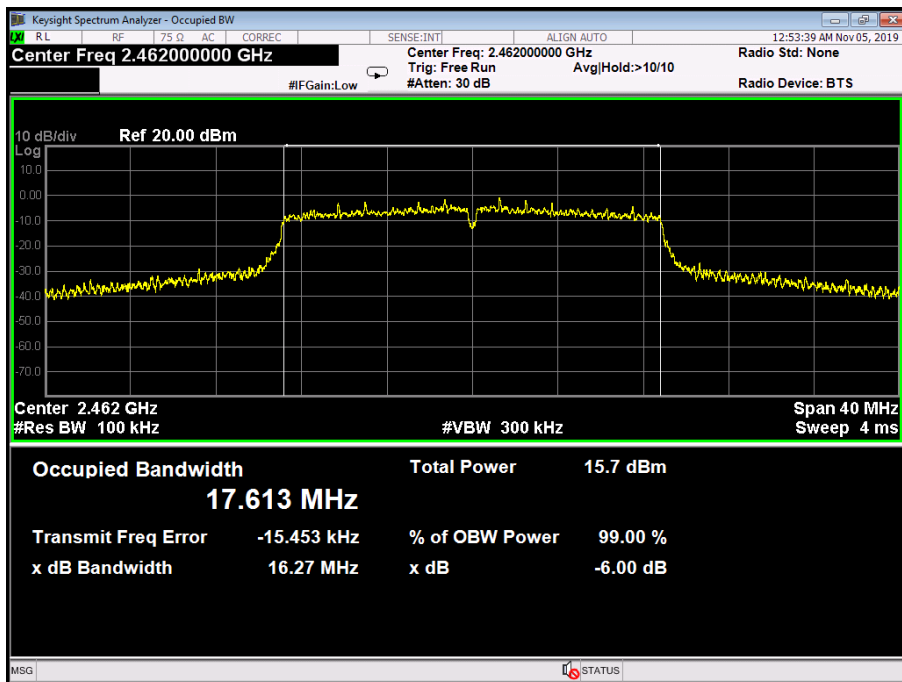


Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11N(HT20) Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	
2412	16.84	>=0.5	
2437	15.09		
2462	16.27		
802.11N(HT20) Mode			
2412 MHz			
			

802.11N(HT20) Mode
2437 MHz



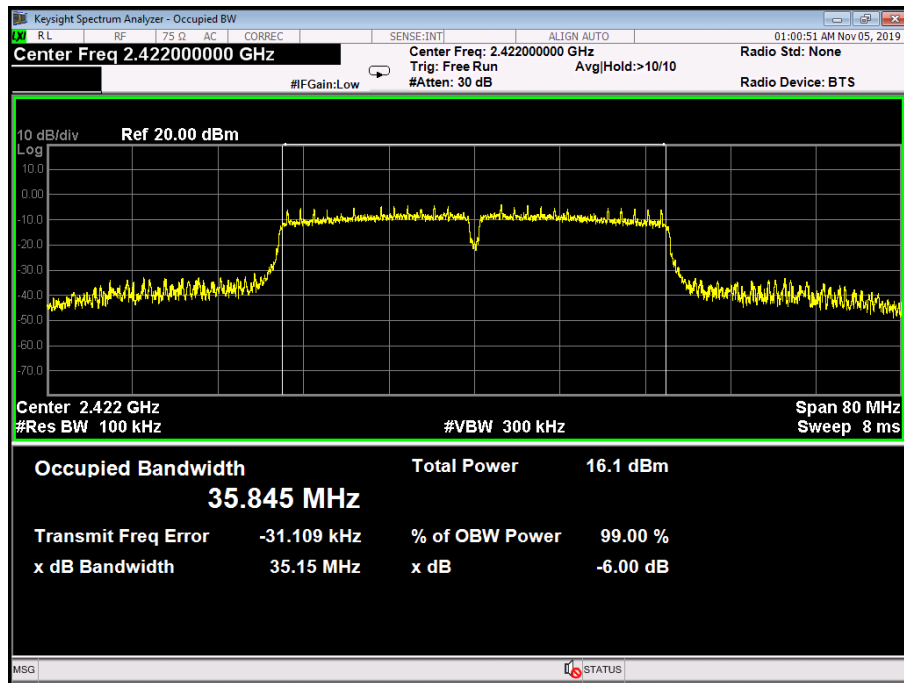
802.11N(HT20) Mode
2462 MHz



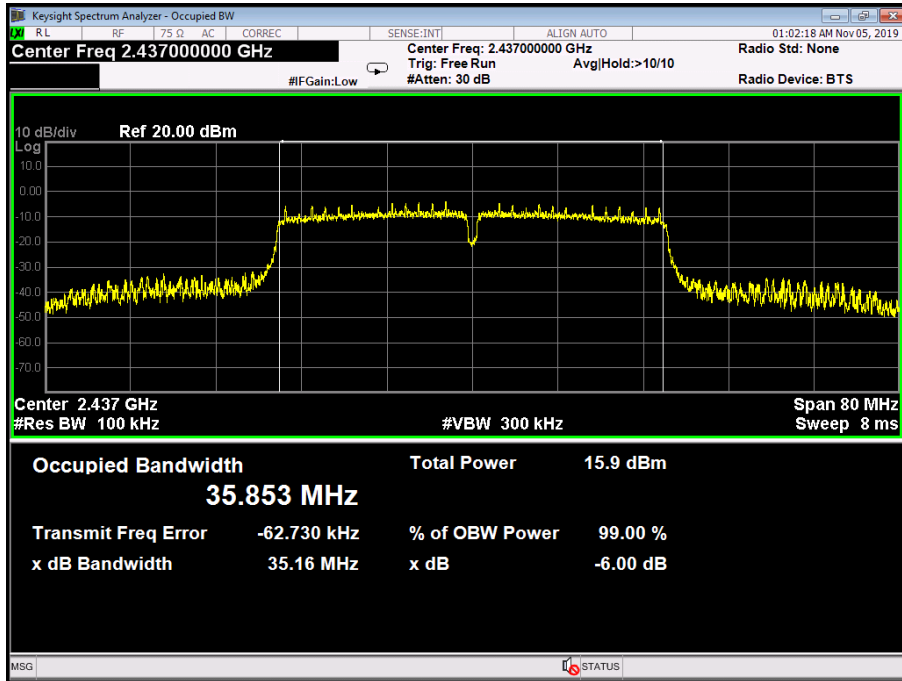
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11N(HT40) Mode		
Channel frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
2422	35.15		>=0.5
2437	35.16		
2452	35.17		

802.11N(HT40) Mode

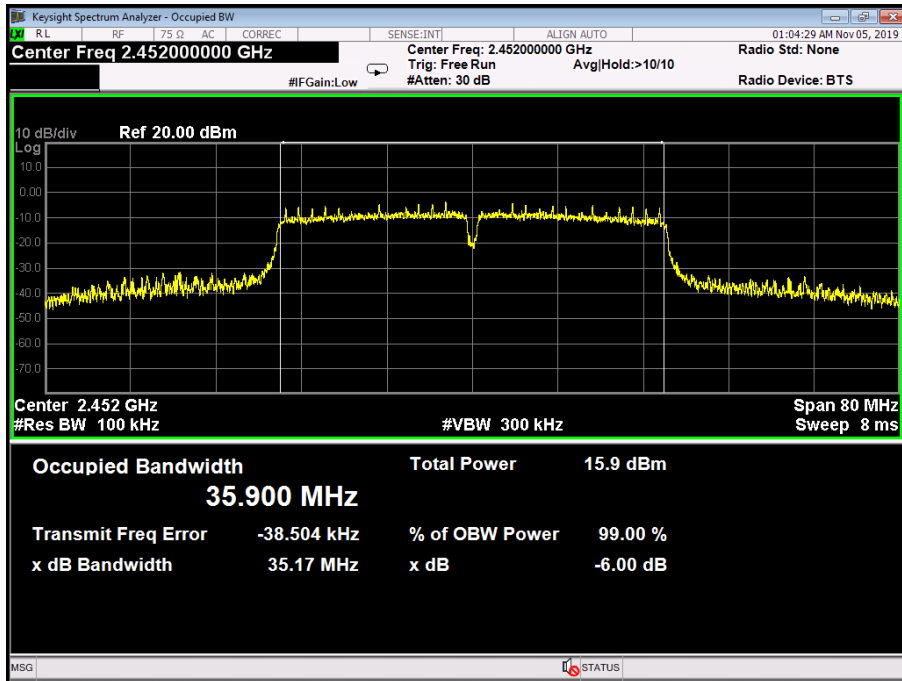
2422 MHz



802.11N(HT40) Mode
2437 MHz



802.11N(HT20) Mode
2452 MHz

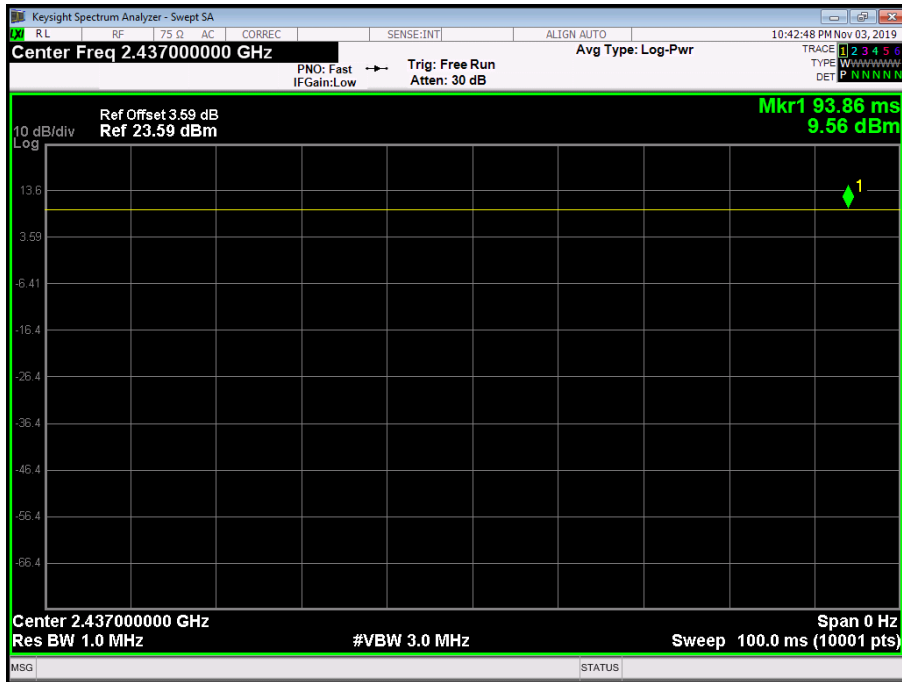


Attachment F-- Peak Output Power Test Data

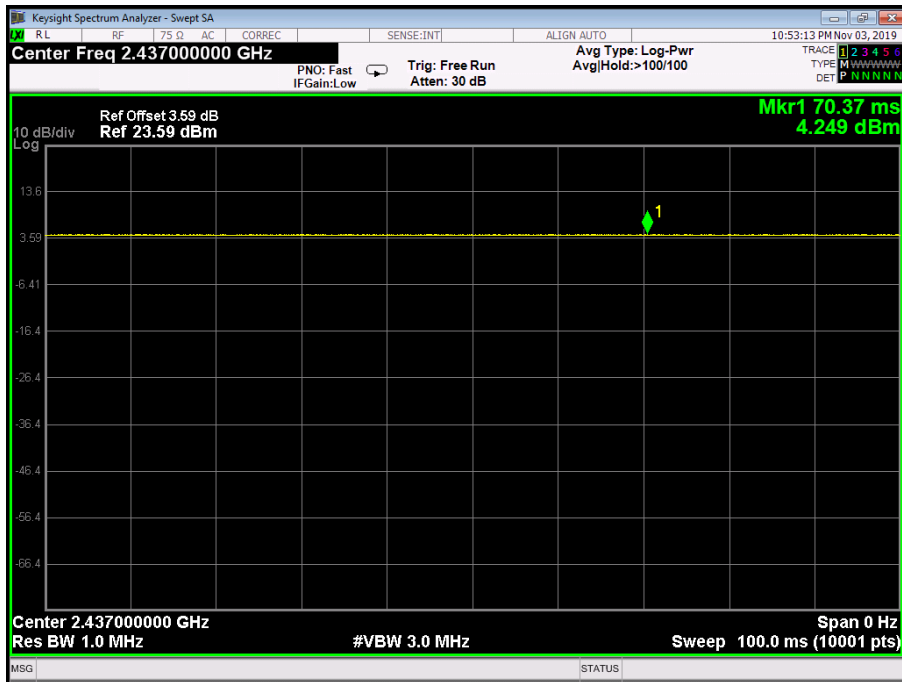
Test Conditions:		Continuous Transmitting Mode	
Temperature:		25 °C	Relative Humidity: 55%
Test Voltage:		AC 120V/60HZ	
Mode	Channel frequency (MHz)	Test Result (dBm)	Limit (dBm)
802.11b	2412	14.62	30
	2437	14.51	
	2462	14.40	
802.11g	2412	13.53	
	2437	13.54	
	2462	13.26	
802.11n (HT20)	2412	13.70	
	2437	13.60	
	2462	13.46	
802.11n (HT40)	2422	10.98	
	2437	10.48	
	2452	10.91	
Result: PASS			

Duty Cycle		
Mode	Channel frequency (MHz)	Test Result
802.11b	2412	>98%
	2437	
	2462	
802.11g	2412	
	2437	
	2462	
802.11n (HT20)	2412	
	2437	
	2462	
802.11n (HT40)	2422	
	2437	
	2452	
Please see below plots		

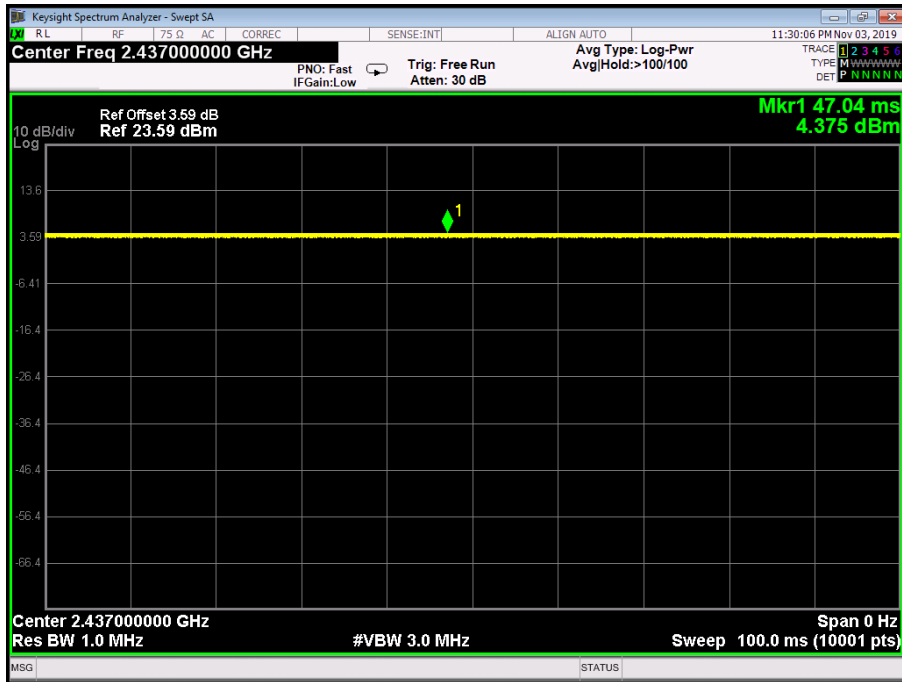
802.11 B Mode 2437 MHz



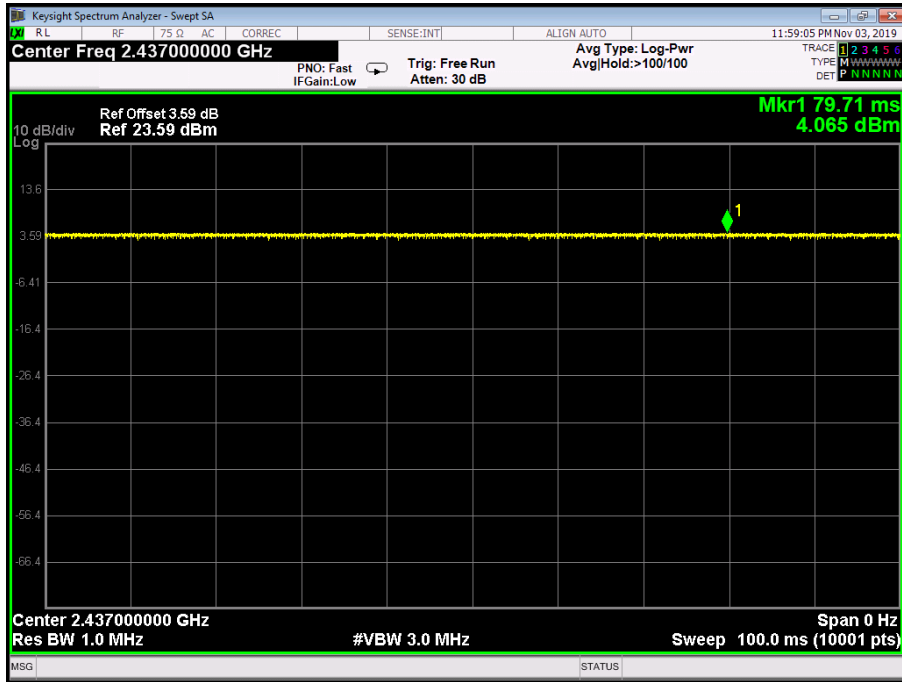
802.11 G Mode 2437 MHz



802.11 N20 Mode 2437 MHz



802.11 N40 Mode 2437 MHz

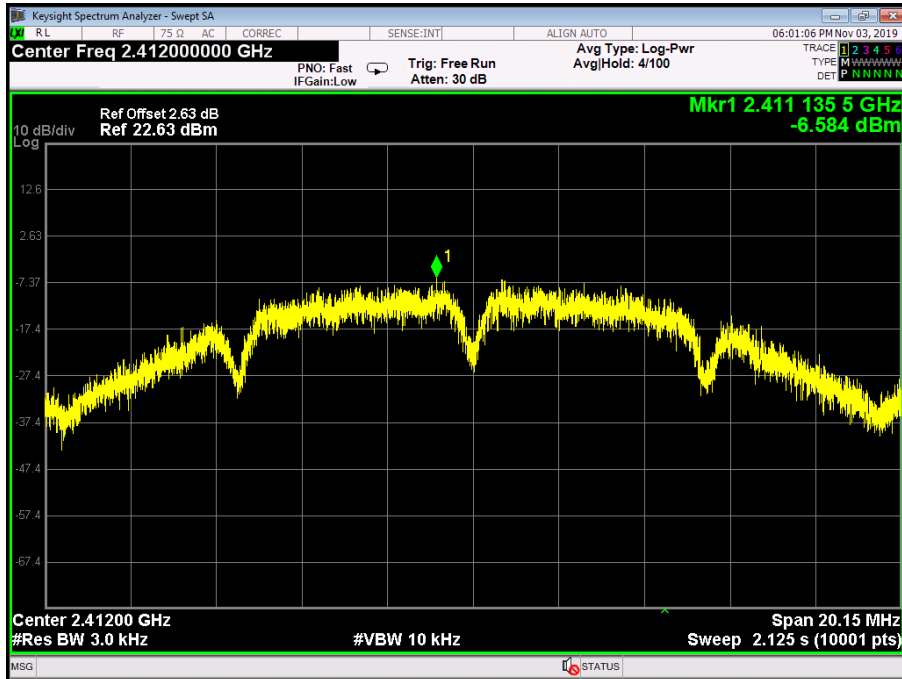


Attachment G-- Power Spectral Density Test Data

Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11B Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-6.584	8	
2437	-5.992		
2462	-5.232		

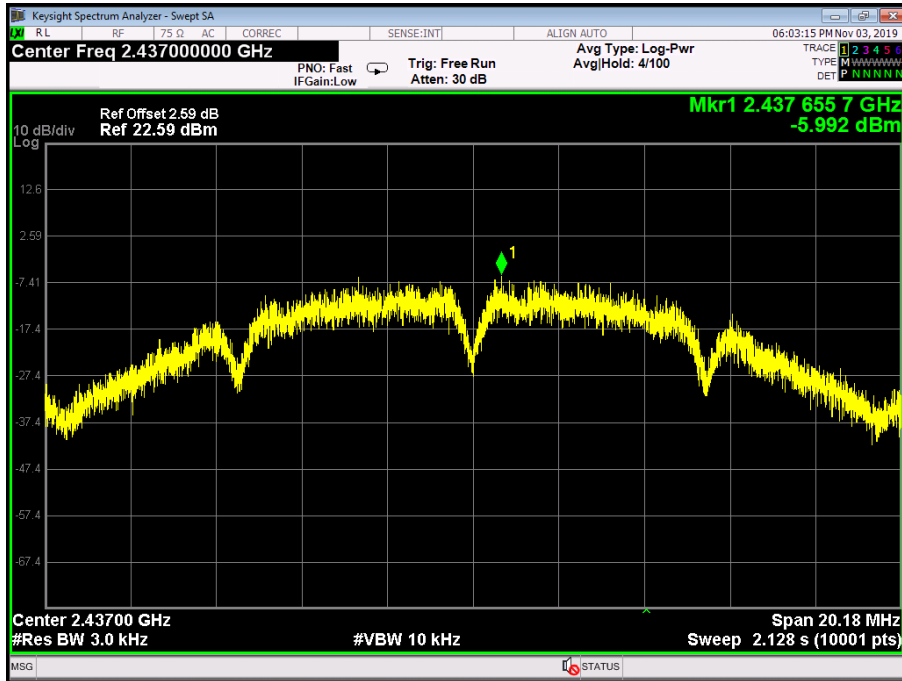
802.11B Mode

2412 MHz



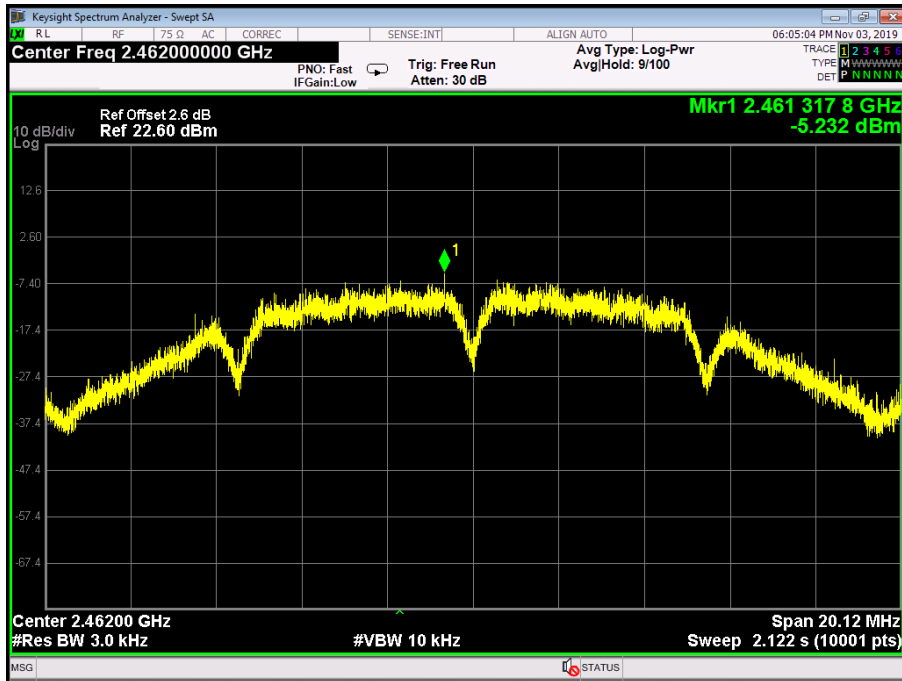
802.11B Mode

2437 MHz



802.11B Mode

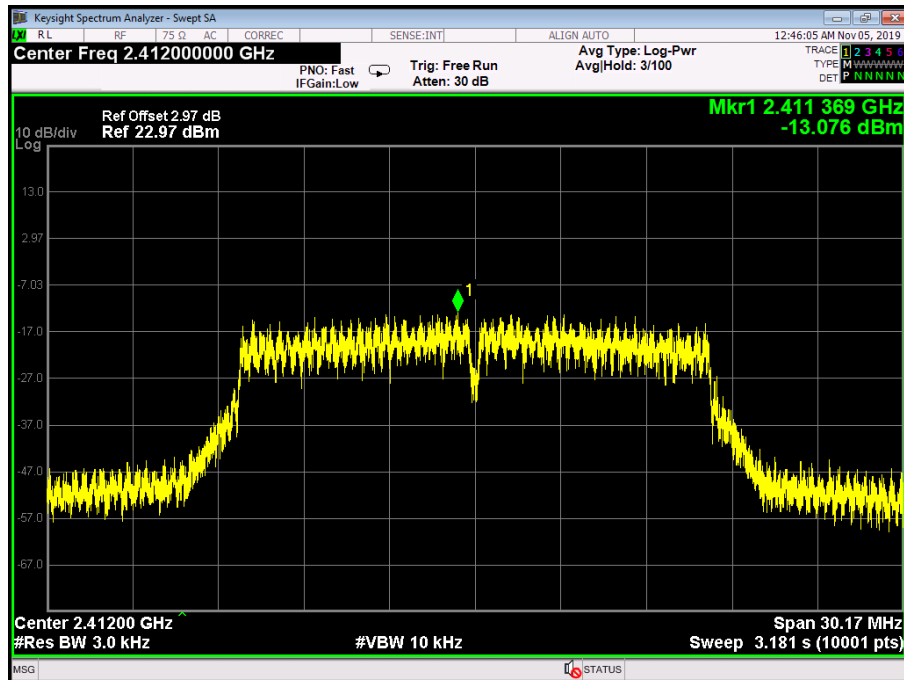
2462 MHz



Temperature:	25 °C	Temperature:	25 °C
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11G Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-13.076	8	
2437	-12.677		
2462	-12.345		

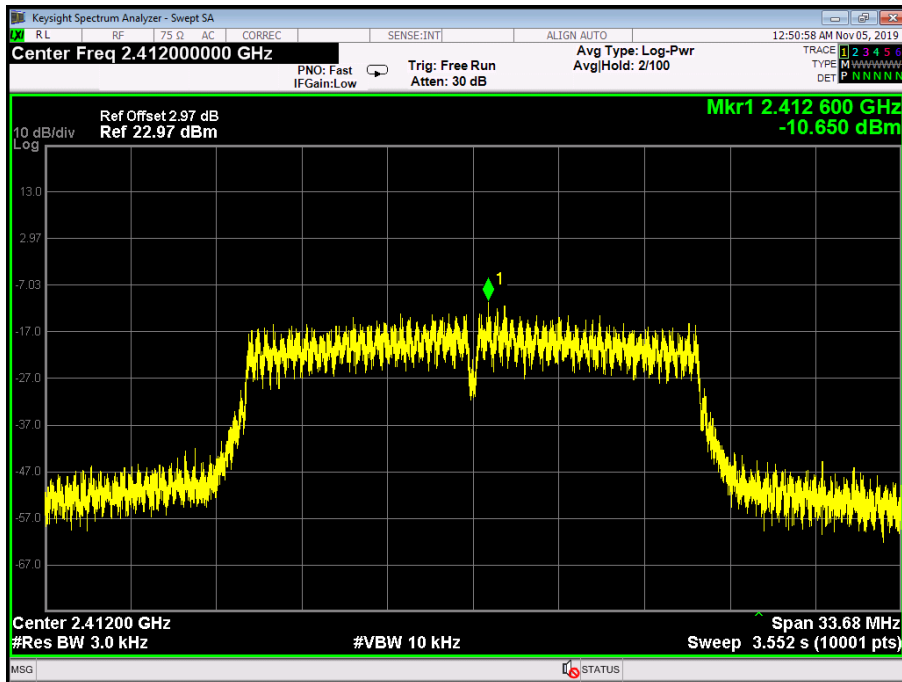
802.11G Mode

2412 MHz



Temperature:	25 °C	Temperature:	25 °C
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11N(HT20) Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2412	-10.650	8	
2437	-11.410		
2462	-12.407		
802.11N(HT20) Mode			

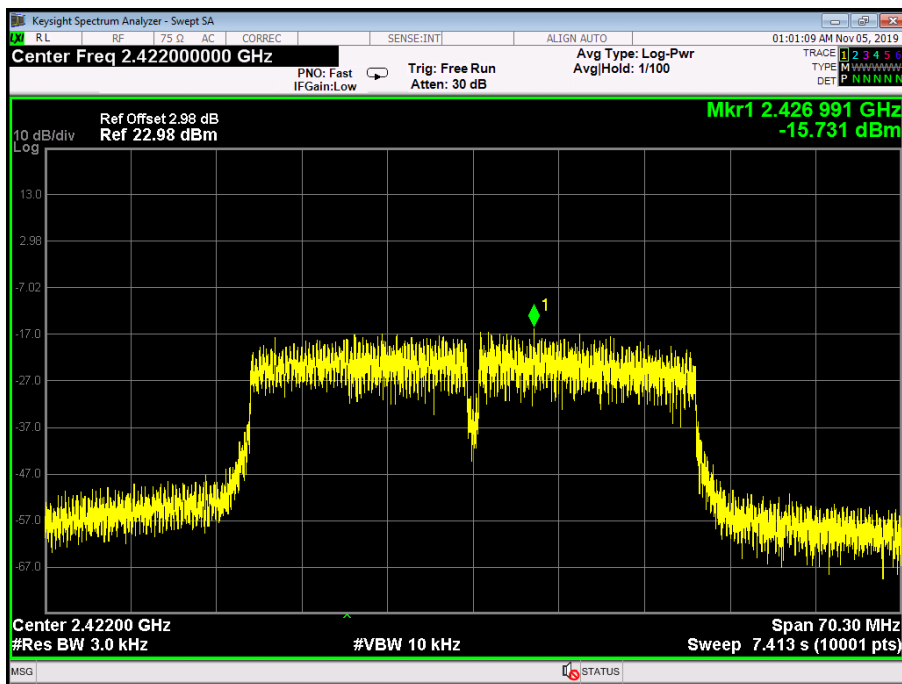
2412 MHz



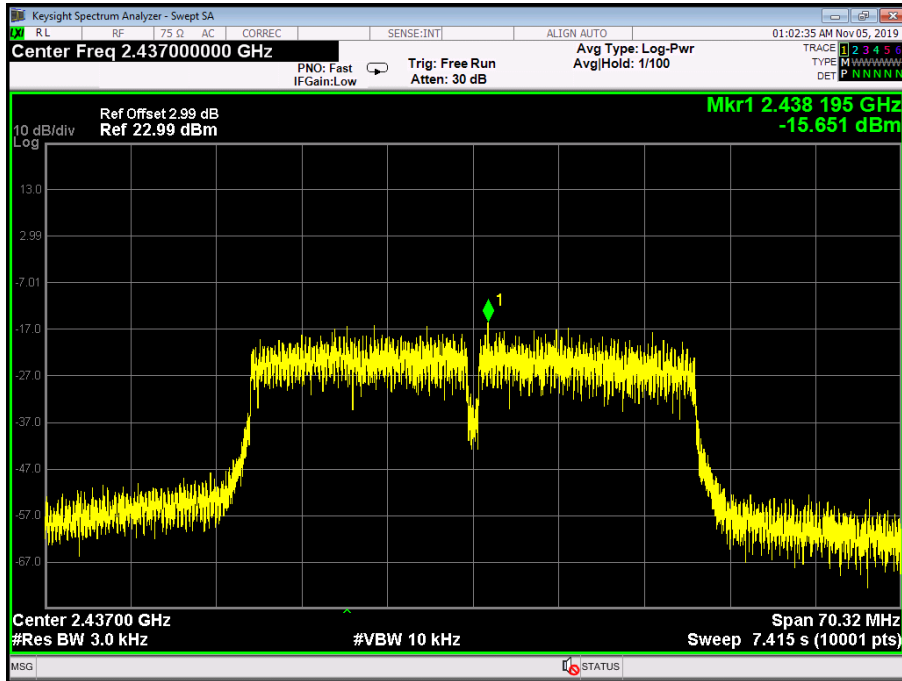
Temperature:	25 °C	Temperature:	25 °C
Test Voltage:	AC 120V/60HZ		
Test Mode:	TX 802.11N(HT40) Mode		
Channel Frequency (MHz)	Power Density (dBm/3 kHz)	Limit (dBm/3 kHz)	
2422	-15.731	8	
2437	-15.651		
2452	-16.000		

802.11N(HT40) Mode

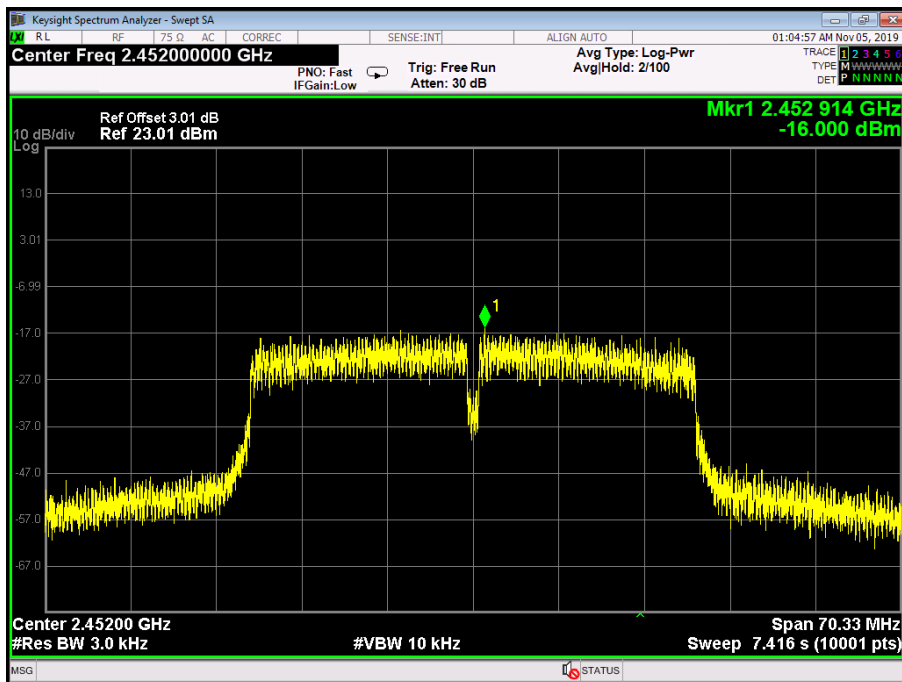
2422 MHz



**802.11N(HT40) Mode
2437 MHz**



**802.11N(HT40) Mode
2452 MHz**



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