




FCC Radio Test Report

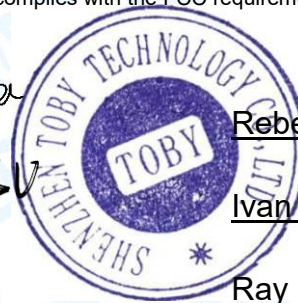
FCC ID: 2AZ2P-X5M

Original Grant

Report No. : TB-FCC180317
Applicant : Shenzhen Zijing Optoelectronics Technology Co., Ltd.
Equipment Under Test (EUT)
EUT Name : Projector
Model No. : X5M
Series Model No. : X5A, X5P, X2A, X2M, X2P, X3A, X3M, X3P
Brand Name : Aisy.od, waygoal
Sample ID : 20210510-22-01#& 20210510-22-04#
Receipt Date : 2021-05-10
Test Date : 2021-05-11 to 2021-05-24
Issue Date : 2021-05-25
Standards : FCC Part 15, Subpart C 15.247
ANSI C63.10: 2013
Test Method : KDB 558074 D01 15.247 Meas Guidance v05r02
Conclusions : **PASS**

In the configuration tested, the EUT complied with the standards specified above,
The EUT technically complies with the FCC requirements

Test/Witness Engineer :  Rebeca
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	:	Shenzhen Zijing Optoelectronics Technology Co., Ltd.
Address	:	4 / F, No.66, Baotian Industrial Park, Xixiang Street, Baoan District, Shenzhen City, China
Manufacturer	:	Shenzhen Zijing Optoelectronics Technology Co., Ltd.
Address	:	4 / F, No.66, Baotian Industrial Park, Xixiang Street, Baoan District, Shenzhen City, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Projector
Models No.	:	X5M, X5A, X5P, X2A, X2M, X2P, X3A, X3M, X3P
Model Difference	:	All these models are identical in the same PCB, layout and electrical circuit, The only difference is model name.
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)
	Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11g/n: OFDM(BPSK,QPSK,16QAM,64QAM)
	Antenna Gain:	2dBi Internal Antenna
Power Supply	:	Adapter 1#(PS65B190Y3420S) Input: 100-240V~, 50/60Hz,1.5A MAX Output: DC 19.0V 3.42A 64.98W Adapter 2#(CW1903420) Input: 100-240V~, 50/60Hz,1.2A MAX Output: DC 19.0V 3.42A 64.98W
Software Version	:	N/A
Hardware Version	:	N/A
Remark	:	The antenna gain and adapter provided by the applicant, the verified for the RF conduction test and adapter provided by TOBY test lab.

Note:

- (1) This Test Report is FCC Part 15.247 for 802.11b/g/n, the test procedure follows the FCC KDB 558074 D01 15.247 Meas Guidance v05r02.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

(3) Channel List:

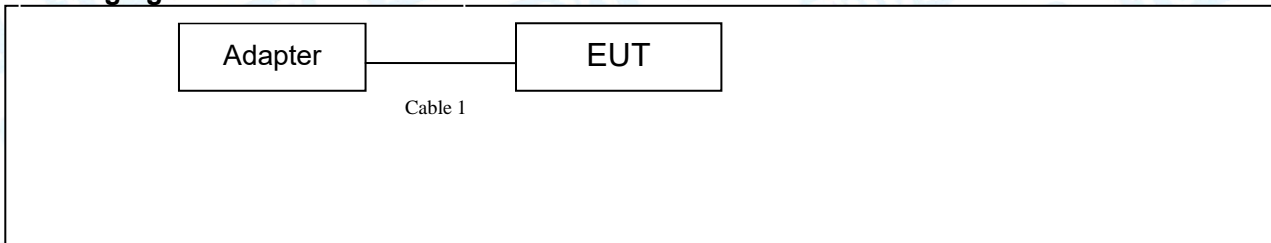
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	05	2432	09	2452
02	2417	06	2437	10	2457
03	2422	07	2442	11	2462
04	2427	08	2447		

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

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

1.3 Block Diagram Showing the Configuration of System Tested

Charging Mode+TX mode



1.4 Description of Support Units

Equipment Information				
Name	Model	FCC ID/VOC	Manufacturer	Used “√”
----	-----	----	----	----
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	Charging+TX B Mode with Adapter 1#
Mode 2	Charging+TX B Mode with Adapter 2#

For Radiated Test	
Final Test Mode	Description
Mode 3	Charging+TX B Mode with Adapter 1#
Mode 4	Charging+TX B Mode with Adapter 2#
Mode 5	TX Mode B Mode Channel 01/06/11
Mode 6	TX Mode G Mode Channel 01/06/11
Mode 7	TX Mode N(HT20) Mode Channel 01/06/11
Mode 8	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 Mobile 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	00008540-MP_Kit_RTL11n_8188FTV_USB_v1.25_20170609(BETA)		
Channel	CH 01	CH 06	CH 11
IEEE 802.11b DSSS	23	23	23
IEEE 802.11g OFDM	DEF	DEF	DEF
IEEE 802.11n (HT20)	DEF	DEF	DEF
Channel	CH 03	CH 06	CH 09
IEEE 802.11n (HT40)	DEF	DEF	DEF

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	± 3.50 dB ± 3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	± 4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	± 4.50 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: 2017 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: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056

2. Test Summary

FCC Part 15 Subpart C(15.247)				
Standard Section	Test Item	Test Sample(s)	Judgment	Remark
15.203	Antenna Requirement	20210510-22-01#	PASS	N/A
15.207(a)	Conducted Emission	20210510-22-04#	PASS	N/A
15.205&15.247(d)	Band-Edge & Unwanted Emissions into Restricted Frequency	20210510-22-01#	PASS	N/A
15.247(a)(2)	6dB Bandwidth	20210510-22-01#	PASS	N/A
15.247(b)(3)	Conducted Max Output Power	20210510-22-01#	PASS	N/A
15.247(e)	Power Spectral Density	20210510-22-01#	PASS	N/A
15.205, 15.209&15.247(d)	Transmitter Radiated Spurious & Unwanted Emissions into Restricted Frequency	20210510-22-01# 20210510-22-04#	PASS	N/A

Note: N/A is an abbreviation for Not Applicable.

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. 06, 2020	Jul. 05, 2021
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 06, 2020	Jul. 05, 2021
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 06, 2020	Jul. 05, 2021
LISN	Rohde & Schwarz	ENV216	101131	Jul. 06, 2020	Jul. 05, 2021
Radiation Emission Test					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 06, 2020	Jul. 05, 2021
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 06, 2020	Jul. 05, 2021
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jul. 06, 2020	Jul. 05, 2021
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.01, 2020	Feb. 28, 2022
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.01, 2020	Feb. 28, 2022
Horn Antenna	ETS-LINDGREN	BBHA 9170	BBHA9170582	Mar.01, 2020	Feb. 28, 2022
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 07, 2020	Jul. 06, 2021
Pre-amplifier	Sonoma	310N	185903	Feb. 25, 2021	Feb. 24, 2022
Pre-amplifier	HP	8449B	3008A00849	Feb. 25, 2021	Feb. 24, 2022
Pre-amplifier	SKET	LNPA_1840G-50	SK201904032	Feb. 25, 2021	Feb. 24, 2022
Cable	HUBER+SUHNER	100	SUCOFLEX	Feb. 25, 2021	Feb. 24, 2022
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. 06, 2020	Jul. 05, 2021
Spectrum Analyzer	Rohde & Schwarz	ESPI	100010/007	Jul. 06, 2020	Jul. 05, 2021
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Sep. 11, 2020	Sep. 10, 2021
Vector Signal Generator	Agilent	N5182A	MY50141294	Sep. 11, 2020	Sep. 10, 2021
Analog Signal Generator	Agilent	N5181A	MY50141953	Sep. 11, 2020	Sep. 10, 2021
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Sep. 11, 2020	Sep. 10, 2021
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Sep. 11, 2020	Sep. 10, 2021
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Sep. 11, 2020	Sep. 10, 2021
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Sep. 11, 2020	Sep. 10, 2021

5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1 Test Standard
FCC Part 15.207

5.1.2 Test Limit

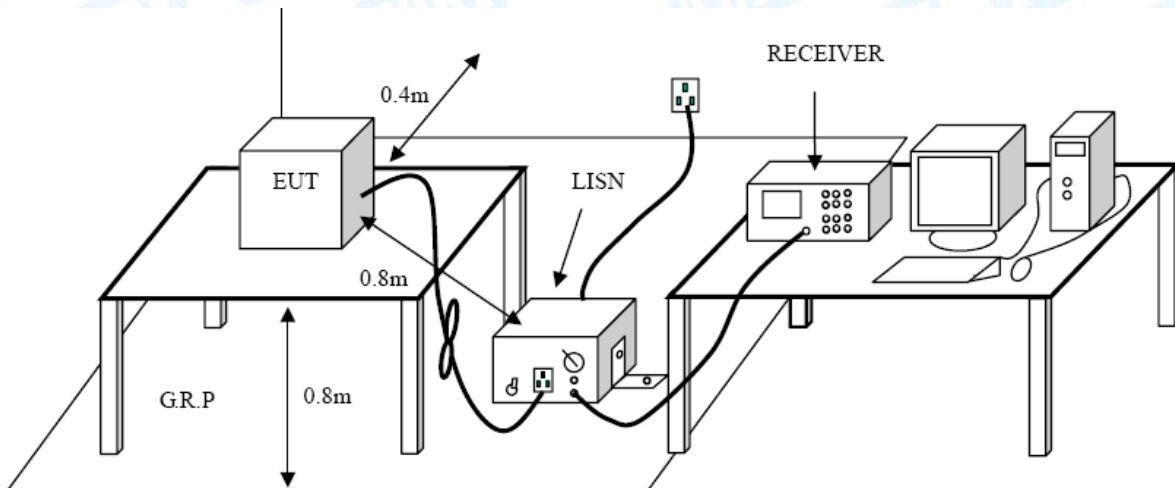
Conducted Emission Test Limit

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 and Conducted Unwanted Emissions

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

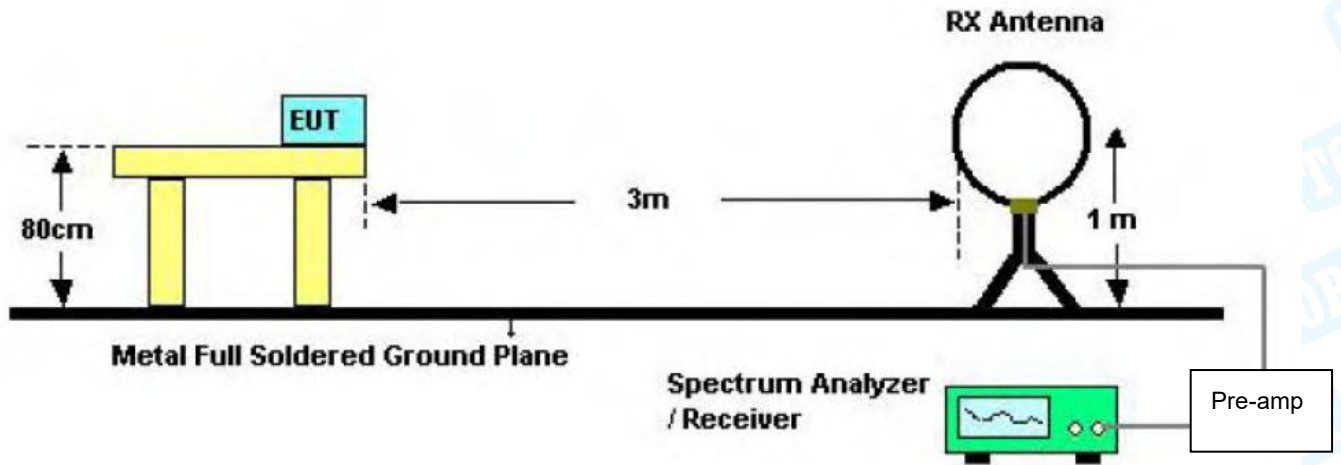
Note:

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

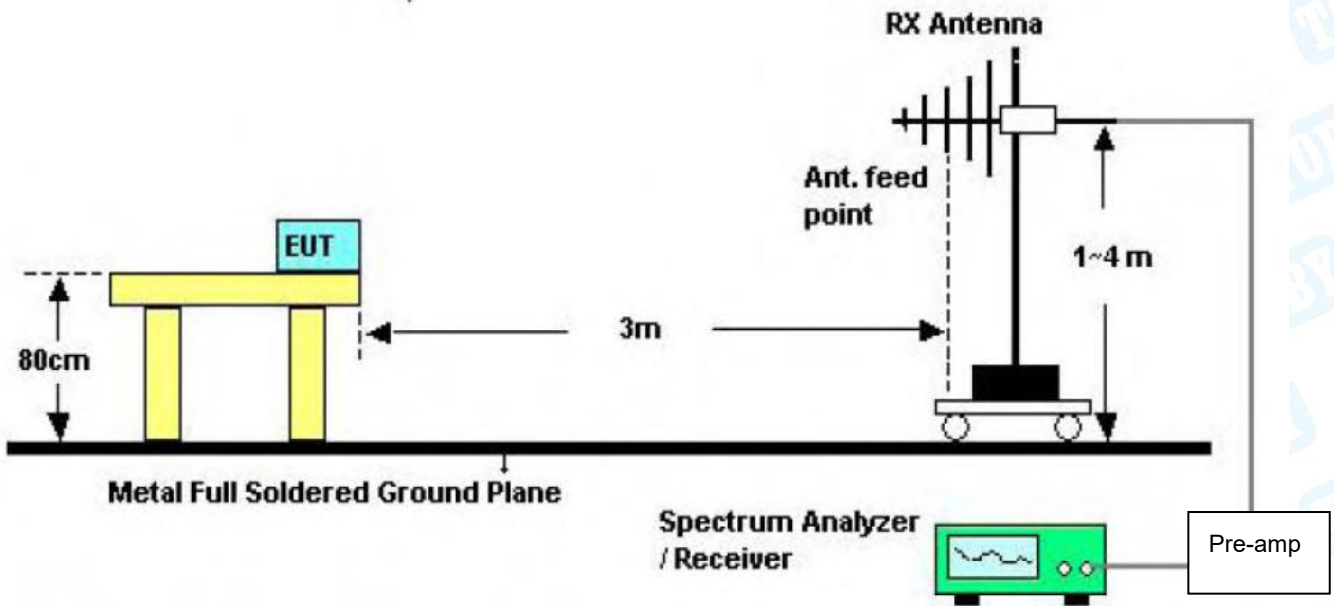
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB.

6.2 Test Setup

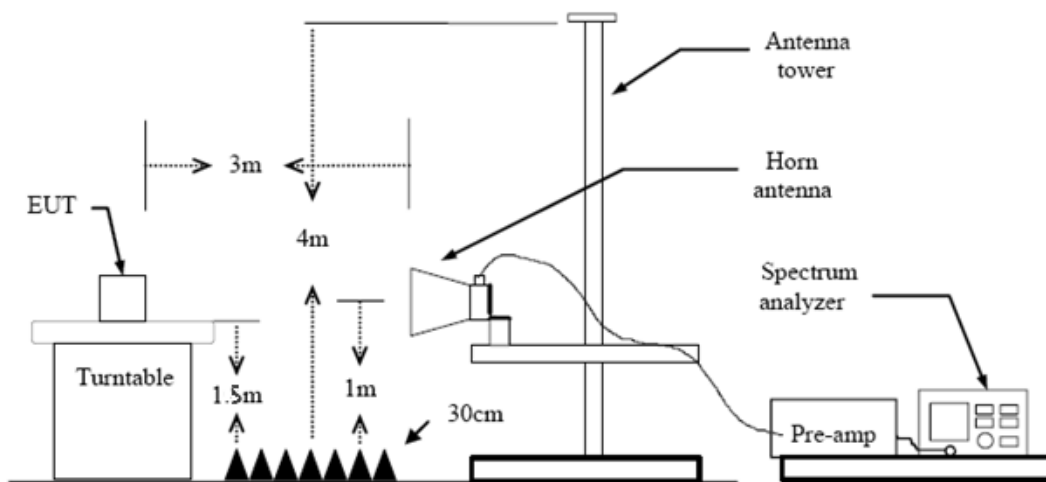
Radiated measurement



Below 30MHz Test Setup

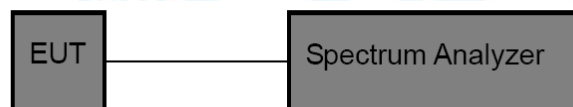


Below 1000MHz Test Setup



Above 1GHz Test Setup

Conducted measurement



6.3 Test Procedure

Radiated measurement

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

Conducted measurement

Testing shall be done on a laboratory bench in a shielded room or in another suitable location. The active antenna port of the unlicensed wireless device shall be connected to the spectrum analyzer after applying appropriate precautions to protect the instrumentation. If a second antenna port is available, then it shall be tested at one operating frequency, with other port(s) appropriately terminated, to verify it has similar output characteristics as the fully tested port. (See also 7.8.8, 11.12.2, and 12.1.2.)

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

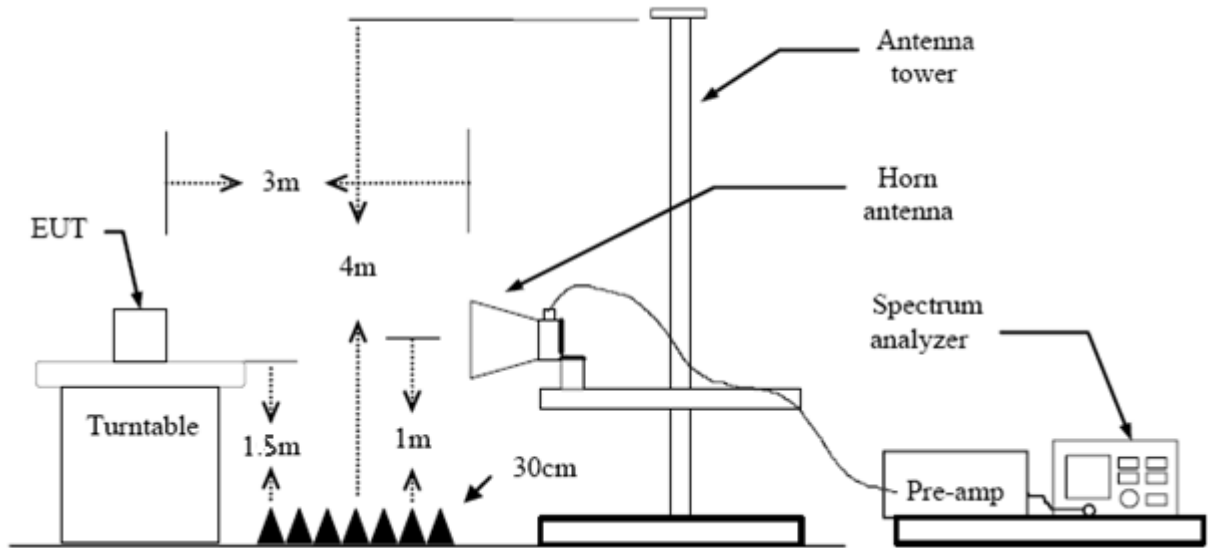
7.1 Test Standard and Limit

- 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.

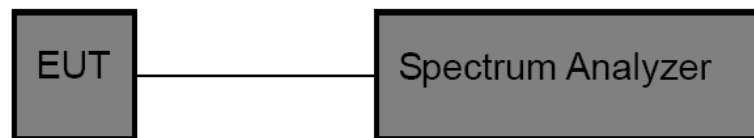
8. Bandwidth Test

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)		
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.

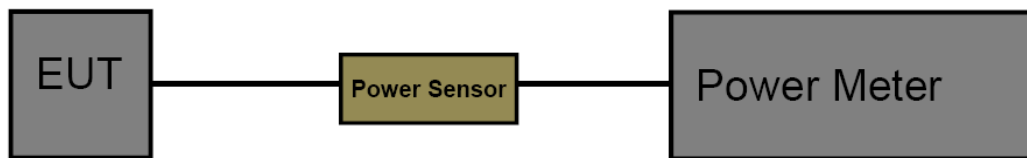
9. Peak Output Power Test

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)		
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 v05r02.

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

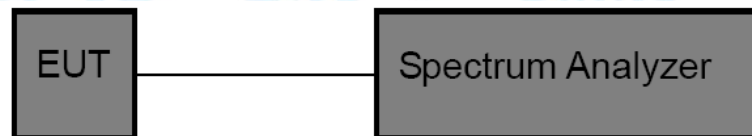
10.1.1 Test Standard

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 v05r02.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyser centre frequency to DTS channel centre 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 Deviation From Test Standard

No deviation

9.5 EUT Operating Condition

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

9.6 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 2dBi, and the antenna de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

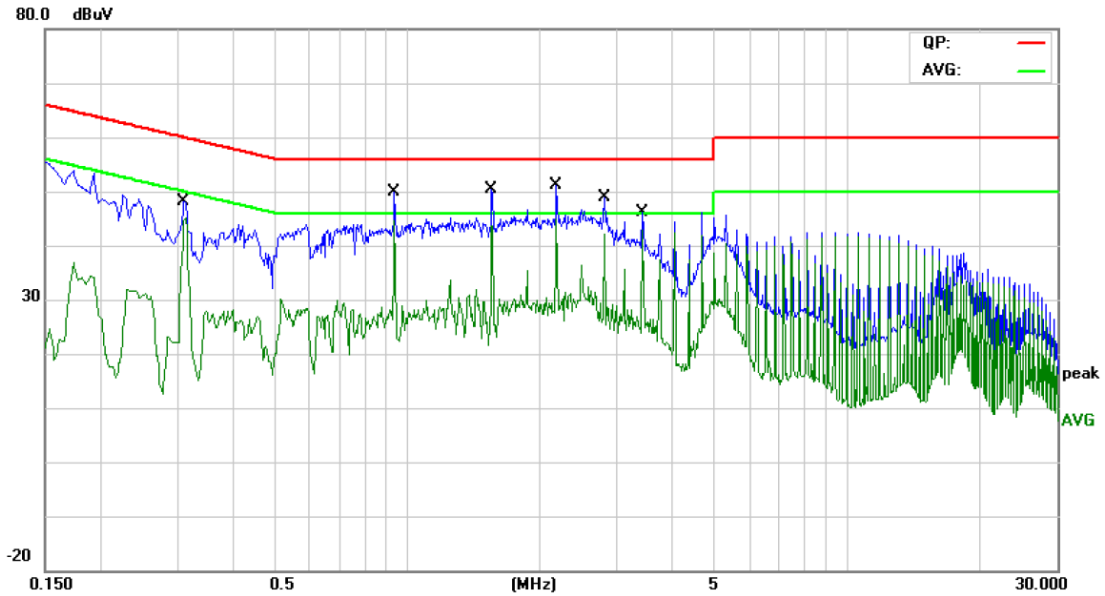
Result

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

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

Attachment A-- Conducted Emission Test Data

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Terminal:	Line		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		

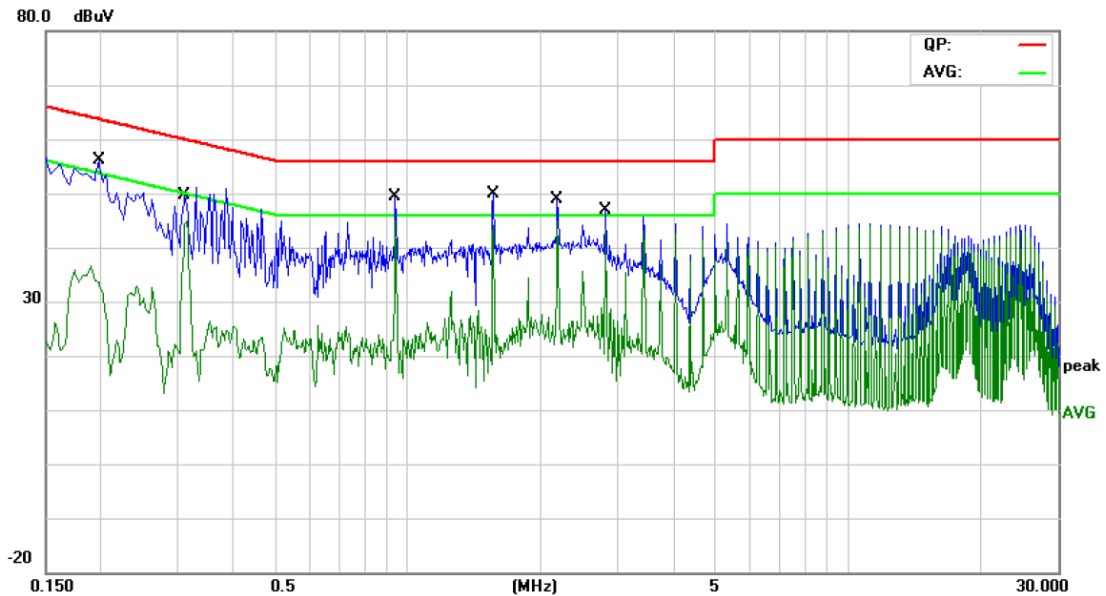


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.3100	35.63	9.70	45.33	59.97	-14.64	QP
2		0.3100	35.04	9.70	44.74	49.97	-5.23	AVG
3		0.9380	37.81	9.78	47.59	56.00	-8.41	QP
4		0.9380	32.60	9.78	42.38	46.00	-3.62	AVG
5		1.5580	38.78	9.74	48.52	56.00	-7.48	QP
6		1.5580	31.82	9.74	41.56	46.00	-4.44	AVG
7		2.1820	38.80	9.74	48.54	56.00	-7.46	QP
8		2.1820	32.61	9.74	42.35	46.00	-3.65	AVG
9		2.8060	37.69	9.86	47.55	56.00	-8.45	QP
10	*	2.8060	34.82	9.86	44.68	46.00	-1.32	AVG
11		3.4300	35.08	9.90	44.98	56.00	-11.02	QP
12		3.4300	33.51	9.90	43.41	46.00	-2.59	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
3. Margin (dB) = QuasiPeak (dBµV/m)-Limit QPK(dBµV/m)

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Terminal:	Neutral		
Test Mode:	Mode 1		
Remark:	Only worse case is reported		

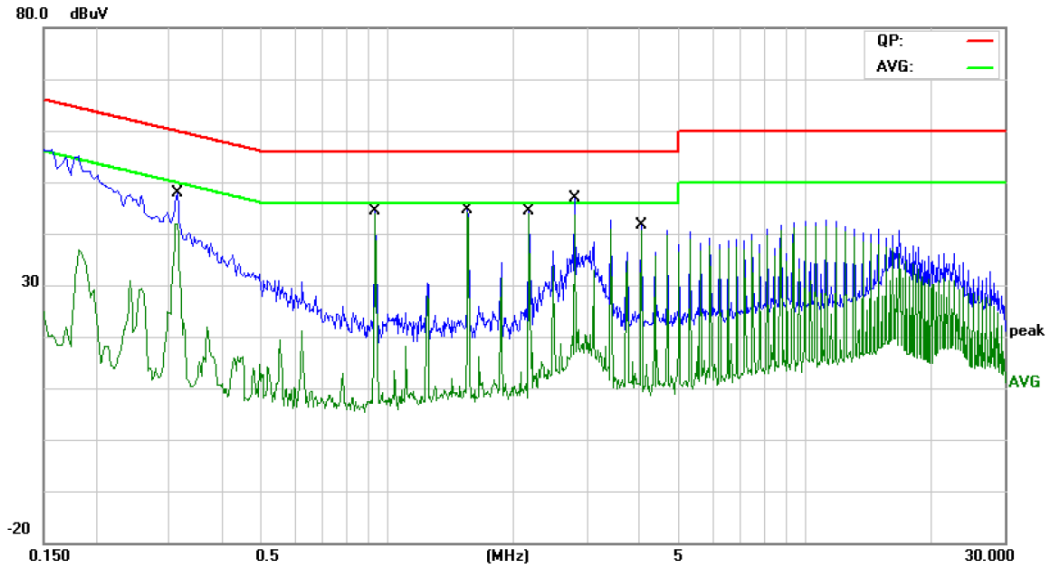


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.1980	38.83	9.80	48.63	63.69	-15.06	QP
2		0.1980	20.65	9.80	30.45	53.69	-23.24	AVG
3		0.3100	34.86	9.80	44.66	59.97	-15.31	QP
4		0.3100	34.48	9.80	44.28	49.97	-5.69	AVG
5		0.9380	37.07	9.80	46.87	56.00	-9.13	QP
6		0.9380	32.21	9.80	42.01	46.00	-3.99	AVG
7		1.5620	37.27	9.80	47.07	56.00	-8.93	QP
8		1.5620	31.88	9.80	41.68	46.00	-4.32	AVG
9		2.1860	36.59	9.80	46.39	56.00	-9.61	QP
10	*	2.1860	33.41	9.80	43.21	46.00	-2.79	AVG
11		2.8100	34.77	9.80	44.57	56.00	-11.43	QP
12		2.8100	33.04	9.80	42.84	46.00	-3.16	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Terminal:	Line		
Test Mode:	Mode 2		
Remark:	Only worse case is reported		

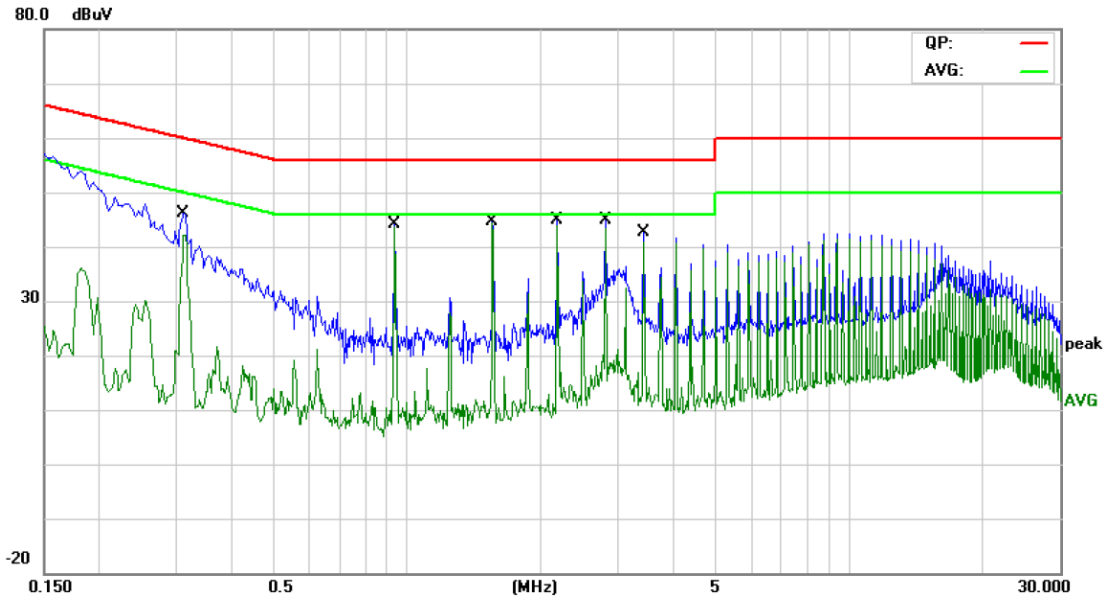


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.3140	33.62	9.70	43.32	59.86	-16.54	QP
2		0.3140	31.99	9.70	41.69	49.86	-8.17	AVG
3		0.9340	33.92	9.78	43.70	56.00	-12.30	QP
4		0.9340	34.11	9.78	43.89	46.00	-2.11	AVG
5		1.5580	34.21	9.74	43.95	56.00	-12.05	QP
6	*	1.5580	34.37	9.74	44.11	46.00	-1.89	AVG
7		2.1820	34.05	9.74	43.79	56.00	-12.21	QP
8		2.1820	34.11	9.74	43.85	46.00	-2.15	AVG
9		2.8060	34.13	9.86	43.99	56.00	-12.01	QP
10		2.8060	33.62	9.86	43.48	46.00	-2.52	AVG
11		4.0540	31.00	9.90	40.90	56.00	-15.10	QP
12		4.0540	30.65	9.90	40.55	46.00	-5.45	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Terminal:	Neutral		
Test Mode:	Mode 2		
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		0.3100	34.02	9.80	43.82	59.97	-16.15	QP
2		0.3100	32.28	9.80	42.08	49.97	-7.89	AVG
3		0.9340	34.00	9.80	43.80	56.00	-12.20	QP
4		0.9340	34.18	9.80	43.98	46.00	-2.02	AVG
5		1.5580	34.27	9.80	44.07	56.00	-11.93	QP
6	*	1.5580	34.40	9.80	44.20	46.00	-1.80	AVG
7		2.1820	34.15	9.80	43.95	56.00	-12.05	QP
8		2.1820	34.18	9.80	43.98	46.00	-2.02	AVG
9		2.8060	34.23	9.80	44.03	56.00	-11.97	QP
10		2.8060	33.69	9.80	43.49	46.00	-2.51	AVG
11		3.4300	31.92	9.80	41.72	56.00	-14.28	QP
12		3.4300	30.83	9.80	40.63	46.00	-5.37	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Attachment B--Unwanted Emissions Data

---Radiated Unwanted Emissions

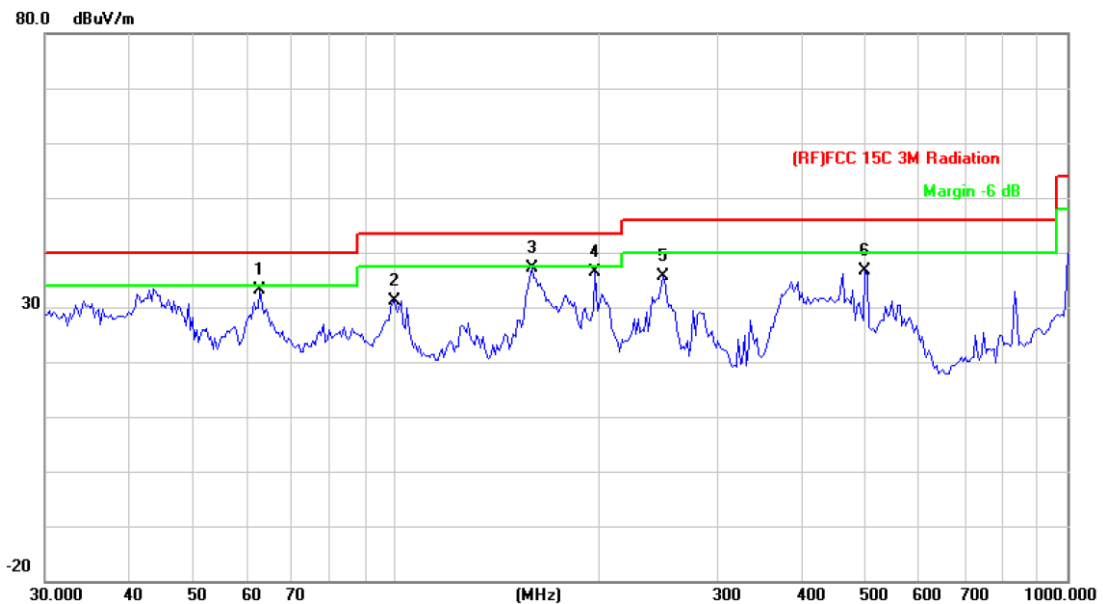
9KHz~30MHz

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:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 3		
Remark:	Only worse case is reported		

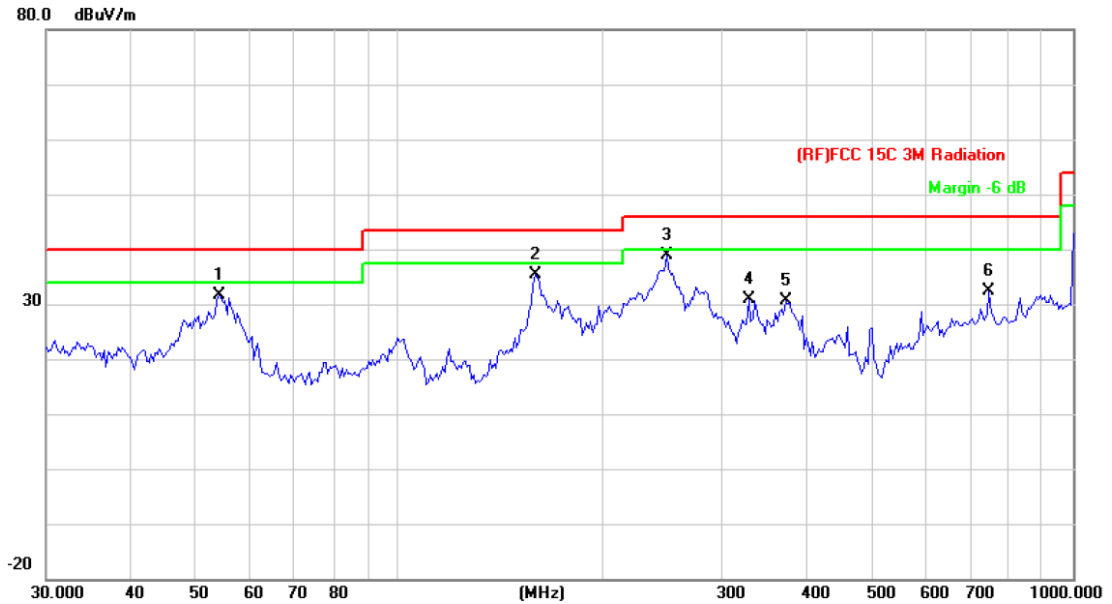


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		62.6507	57.12	-24.00	33.12	40.00	-6.88	peak
2		99.5279	53.16	-21.93	31.23	43.50	-12.27	peak
3	*	159.2250	57.99	-20.85	37.14	43.50	-6.36	peak
4		197.8926	56.22	-19.92	36.30	43.50	-7.20	peak
5		249.4250	52.81	-17.25	35.56	46.00	-10.44	peak
6		499.4246	47.00	-10.48	36.52	46.00	-9.48	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 3		
Remark:	Only worse case is reported		

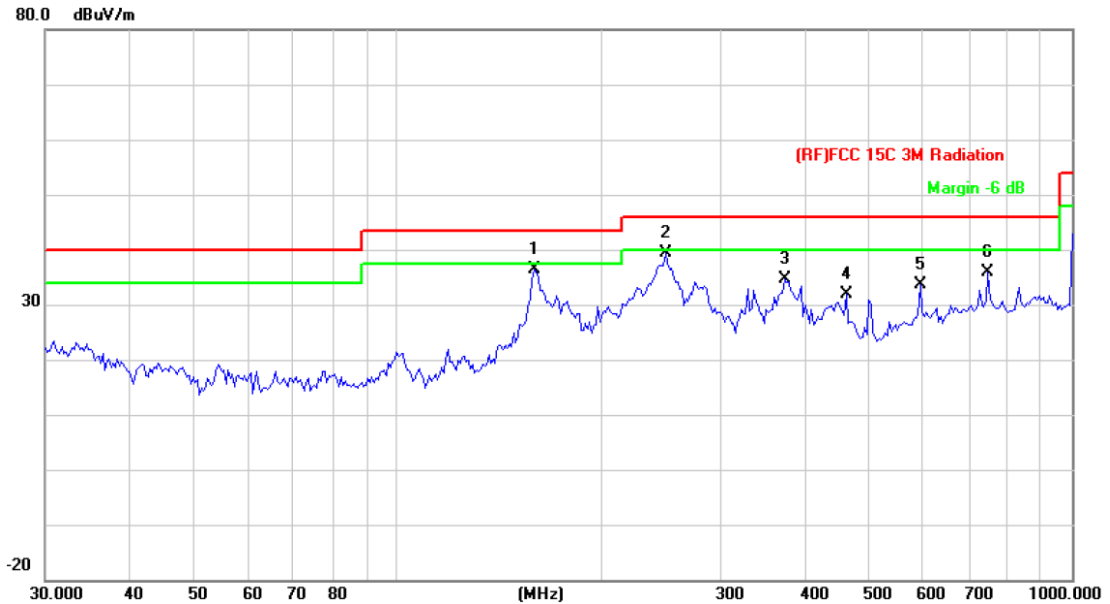


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		54.0711	55.07	-23.52	31.55	40.00	-8.45	peak
2		159.2250	56.17	-20.85	35.32	43.50	-8.18	peak
3	*	249.4250	56.08	-17.25	38.83	46.00	-7.17	peak
4		330.1949	46.16	-15.28	30.88	46.00	-15.12	peak
5		374.6225	44.21	-13.49	30.72	46.00	-15.28	peak
6		750.1082	38.86	-6.60	32.26	46.00	-13.74	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 4		
Remark:	Only worse case is reported		

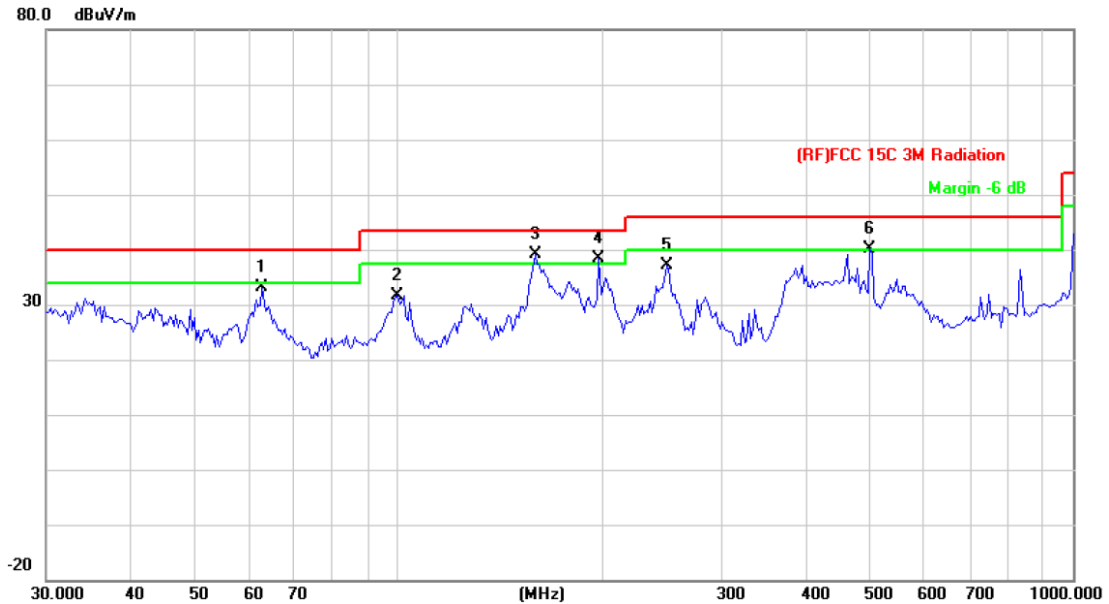


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		159.2251	57.17	-20.85	36.32	43.50	-7.18	peak
2	*	249.4250	56.58	-17.25	39.33	46.00	-6.67	peak
3		374.6225	48.21	-13.49	34.72	46.00	-11.28	peak
4		462.3455	43.42	-11.57	31.85	46.00	-14.15	peak
5		595.1329	41.96	-8.37	33.59	46.00	-12.41	peak
6		750.1083	42.36	-6.60	35.76	46.00	-10.24	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Temperature:	23.7°C	Relative Humidity:	46%
Test Voltage:	AC 120V 60Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 4		
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		62.6507	57.12	-24.00	33.12	40.00	-6.88	peak
2		99.5281	53.66	-21.93	31.73	43.50	-11.77	peak
3	*	159.2251	59.99	-20.85	39.14	43.50	-4.36	peak
4	!	197.8928	58.22	-19.92	38.30	43.50	-5.20	peak
5		249.4250	54.31	-17.25	37.06	46.00	-8.94	peak
6	!	499.4247	50.50	-10.48	40.02	46.00	-5.98	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)

Above 1GHz

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX B Mode 2412MHz						
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB Detector
1	*	4823.982	34.38	13.16	47.54	54.00	-6.46 AVG
2		4824.168	43.99	13.16	57.15	74.00	-16.85 peak
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.							
5. No report for the emission which more than 20dB below the prescribed limit.							

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX B Mode 2412MHz						
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB Detector
1	*	4824.002	37.27	13.16	50.43	54.00	-3.57 AVG
2		4824.036	45.10	13.16	58.26	74.00	-15.74 peak
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.							
5. No report for the emission which more than 20dB below the prescribed limit.							

Temperature:	25 °C		Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2437MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4874.000	32.28	13.53	45.81	54.00	-8.19	AVG
2		4874.156	42.74	13.53	56.27	74.00	-17.73	peak
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C		Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2437MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4874.048	45.20	13.53	58.73	74.00	-15.27	peak
2	*	4874.054	37.40	13.53	50.93	54.00	-3.07	AVG
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX B Mode 2462MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
							Detector	
1		4924.890	42.77	13.90	56.67	74.00	-17.33	peak
2	*	4924.952	31.37	13.90	45.27	54.00	-8.73	AVG
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX B Mode 2462MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
							Detector	
1	*	4924.940	37.16	13.90	51.06	54.00	-2.94	AVG
2		4924.952	44.79	13.90	58.69	74.00	-15.31	peak
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2412MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4823.910	43.57	13.16	56.73	74.00	-17.27	peak
2	*	4824.030	30.58	13.16	43.74	54.00	-10.26	AVG
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX G Mode 2412MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4823.916	33.00	13.16	46.16	54.00	-7.84	AVG
2		4824.192	45.59	13.16	58.75	74.00	-15.25	peak
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 								

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Horizontal						
Test Mode:	TX G Mode 2437MHz						
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	4874.610	42.67	13.53	56.20	74.00	-17.80	peak
2	* 4874.880	29.76	13.53	43.29	54.00	-10.71	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.							
5. No report for the emission which more than 20dB below the prescribed limit.							

Temperature:	25 °C	Relative Humidity:	55%				
Test Voltage:	AC 120V/60Hz						
Ant. Pol.	Vertical						
Test Mode:	TX G Mode 2437MHz						
No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	4874.096	45.40	13.53	58.93	74.00	-15.07	peak
2	* 4874.994	32.47	13.53	46.00	54.00	-8.00	AVG
Remark:							
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)							
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)							
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)							
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.							
5. No report for the emission which more than 20dB below the prescribed limit.							

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX G Mode 2462MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4923.952	28.88	13.89	42.77	54.00	-11.23	AVG
2		4924.904	42.56	13.90	56.46	74.00	-17.54	peak
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX G Mode 2462MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4924.072	32.97	13.89	46.86	54.00	-7.14	AVG
2		4924.810	46.83	13.90	60.73	74.00	-13.27	peak
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4823.958	31.12	13.16	44.28	54.00	-9.72	AVG
2		4824.036	42.84	13.16	56.00	74.00	-18.00	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4823.880	33.23	13.16	46.39	54.00	-7.61	AVG
2		4824.102	45.76	13.16	58.92	74.00	-15.08	peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT20) Mode 2437MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4874.030	30.37	13.53	43.90	54.00	-10.10	AVG
2		4874.486	43.87	13.53	57.40	74.00	-16.60	peak
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX N(HT20) Mode 2437MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4873.406	43.90	13.53	57.43	74.00	-16.57	peak
2	*	4874.060	31.10	13.53	44.63	54.00	-9.37	AVG
Remark:								
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)								
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)								
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)								
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.								
5. No report for the emission which more than 20dB below the prescribed limit.								

Temperature:	25 °C	Relative Humidity:	55%																																				
Test Voltage:	AC 120V/60Hz																																						
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector																															
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB																																
1	*	4923.868	30.42	13.89	44.31	54.00	-9.69	AVG																															
2		4923.970	43.45	13.89	57.34	74.00	-16.66	peak																															
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 																																							

Temperature:	25 °C	Relative Humidity:	55%																																				
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector																															
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB																																
1	*	4923.904	30.85	13.89	44.74	54.00	-9.26	AVG																															
2		4924.138	44.11	13.89	58.00	74.00	-16.00	peak																															
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 																																							

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Horizontal							
Test Mode:	TX N(HT40) Mode 2422MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4843.820	42.14	13.31	55.45	74.00	-18.55	peak
2	*	4843.976	30.35	13.31	43.66	54.00	-10.34	AVG
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 								

Temperature:	25 °C	Relative Humidity:	55%					
Test Voltage:	AC 120V/60Hz							
Ant. Pol.	Vertical							
Test Mode:	TX N(HT40) Mode 2422MHz							
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4843.748	44.53	13.30	57.83	74.00	-16.17	peak
2	*	4843.904	32.88	13.31	46.19	54.00	-7.81	AVG
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 								

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Test Voltage:	AC 120V/60Hz																																						
Ant. Pol.	Horizontal																																						
Test Mode:	TX N(HT40) Mode 2437MHz																																						
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector																															
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB																																
1		4873.934	41.72	14.26	55.98	74.00	-18.02	peak																															
2	*	4874.660	27.32	14.26	41.58	54.00	-12.42	AVG																															
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 																																							

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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector																															
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB																																
1		4873.754	40.84	14.26	55.10	74.00	-18.90	peak																															
2	*	4874.150	27.38	14.26	41.64	54.00	-12.36	AVG																															
<p>Remark:</p> <ol style="list-style-type: none"> 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV) 3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m) 4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency. 5. No report for the emission which more than 20dB below the prescribed limit. 																																							

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

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1		4903.586	42.75	13.74	56.49	74.00	-17.51	peak
2	*	4903.970	30.21	13.74	43.95	54.00	-10.05	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m)-Limit PK/AVG(dBμV/m)
4. The tests evaluated1-26.5GHz,The testing has been conformed to the 10th harmonic of the highest fundamental frequency.
5. No report for the emission which more than 20dB below the prescribed limit.

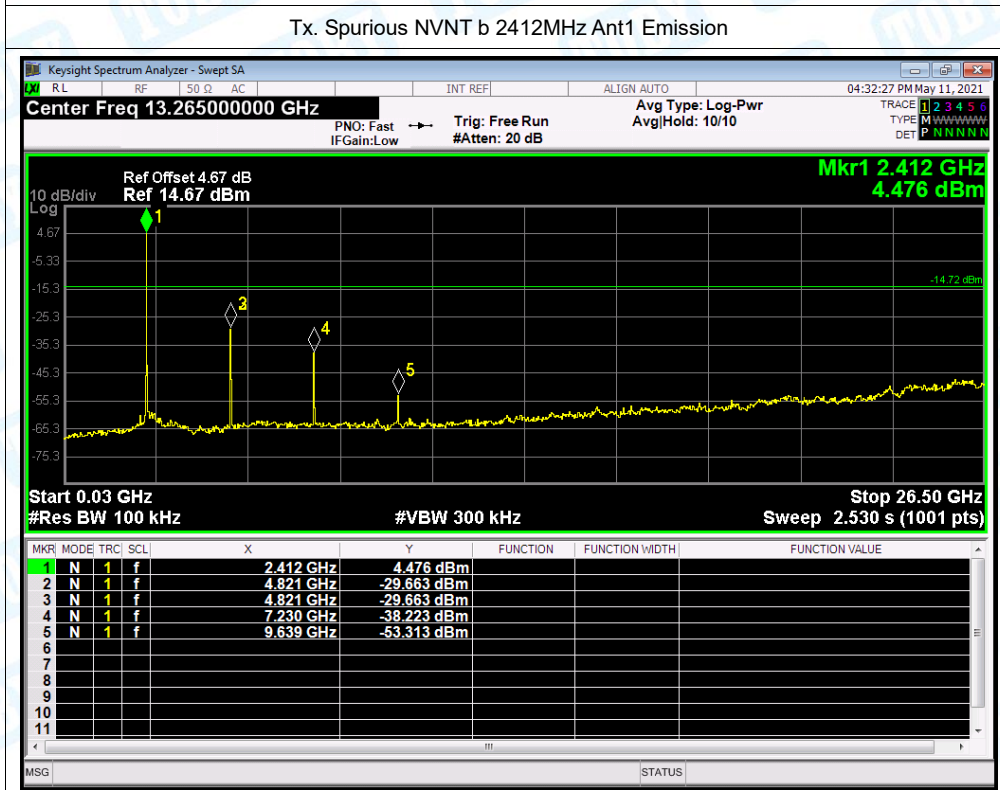
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Ant. Pol.	Vertical		
Test Mode:	TX N(HT40) Mode 2452MHz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	*	4903.994	33.05	13.74	46.79	54.00	-7.21	AVG
2		4904.132	43.44	13.75	57.19	74.00	-16.81	peak

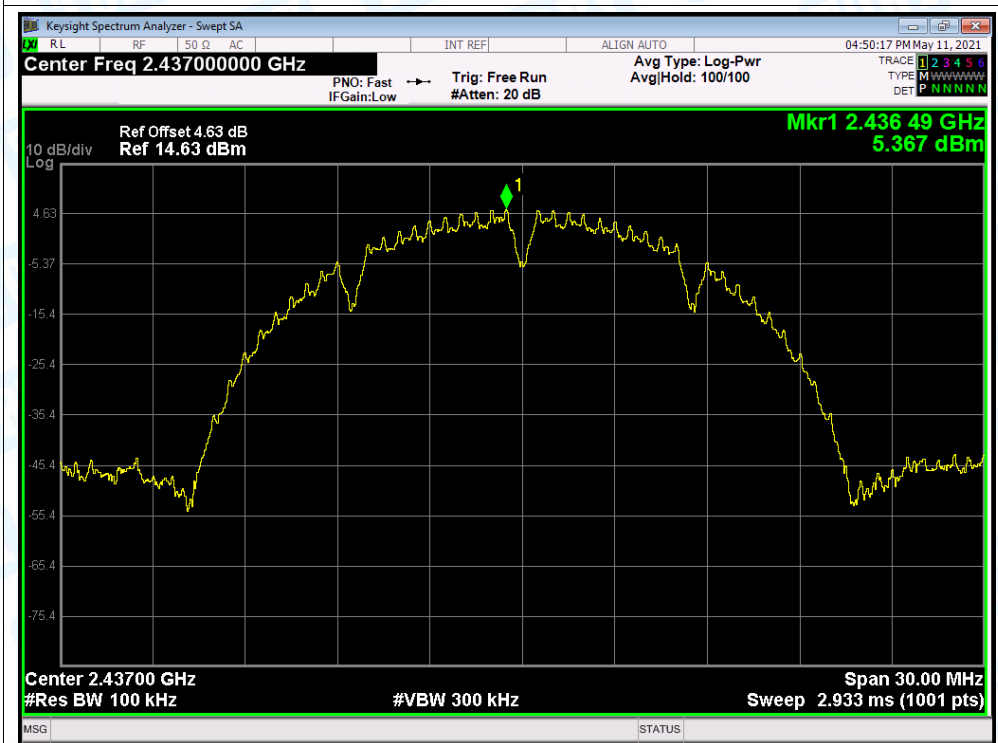
Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
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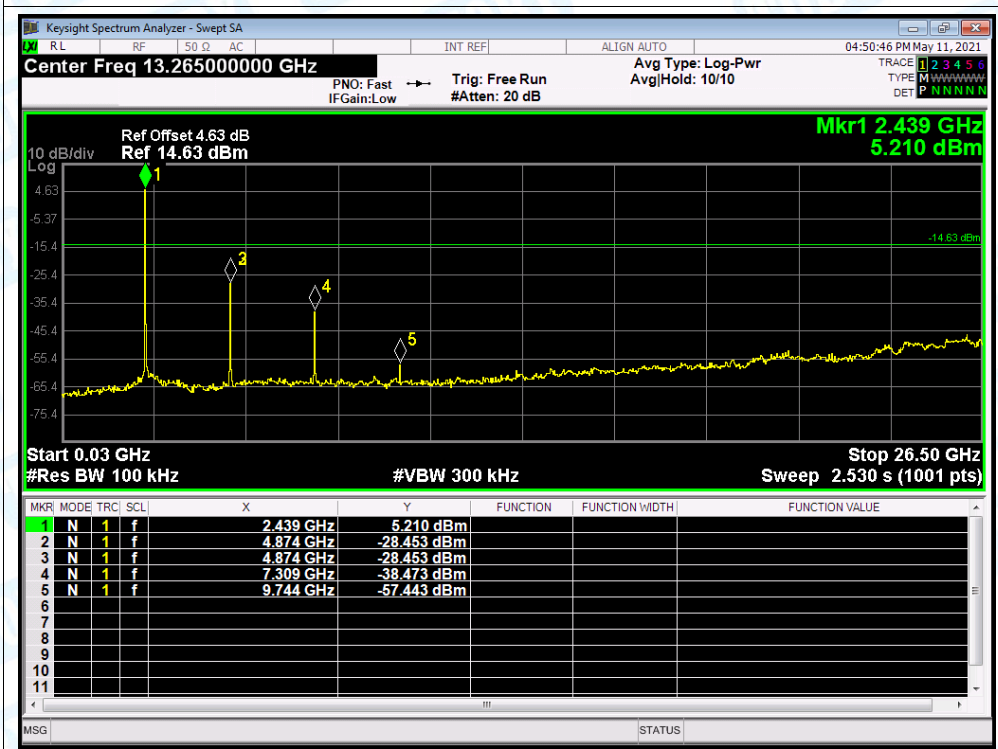
---Conducted Unwanted Emissions



Tx. Spurious NVNT b 2437MHz Ant1 Ref



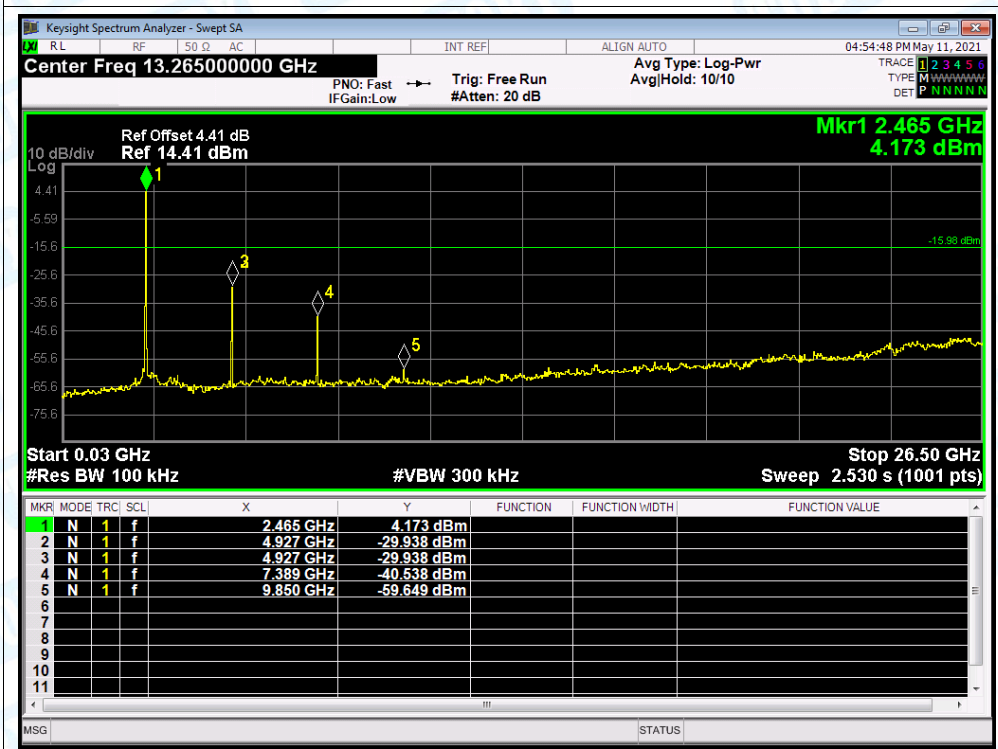
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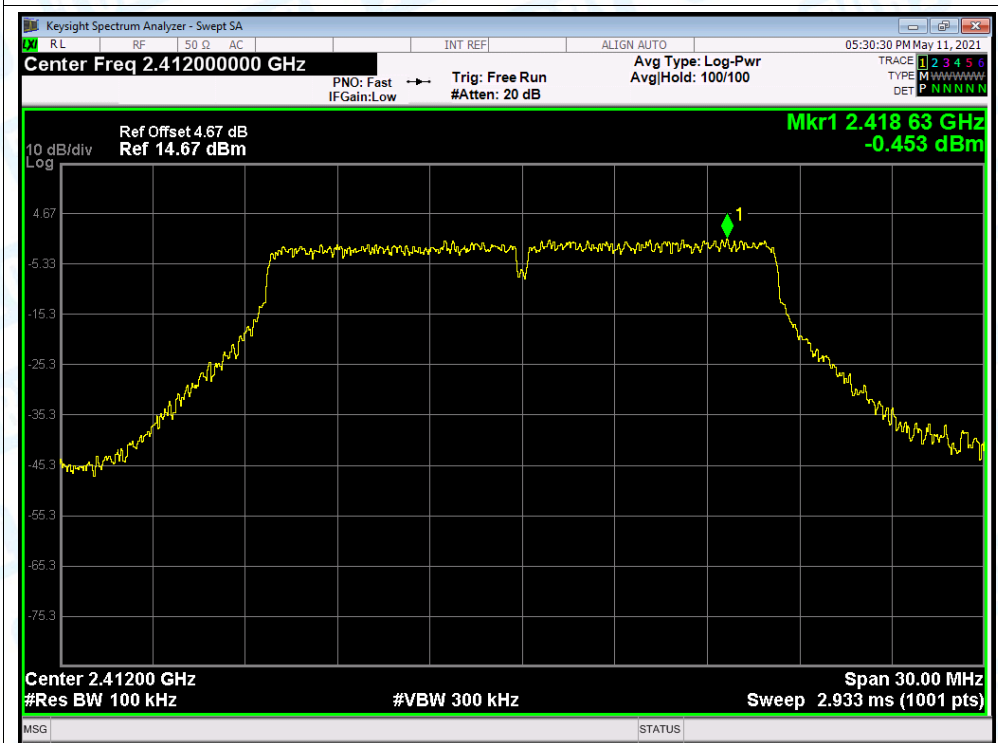
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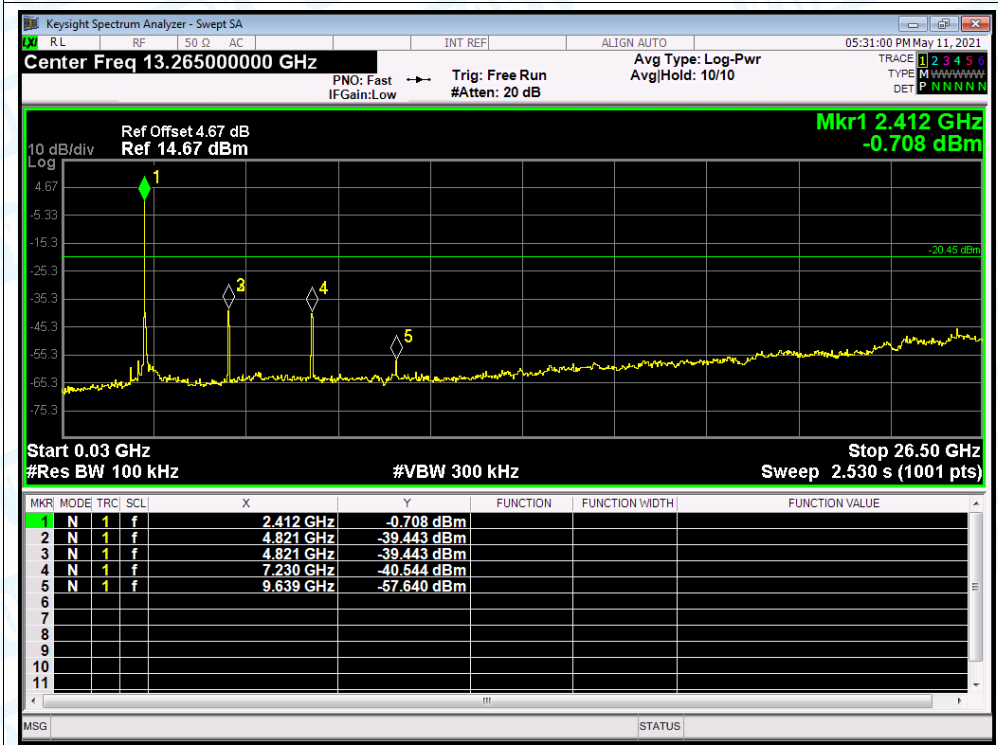
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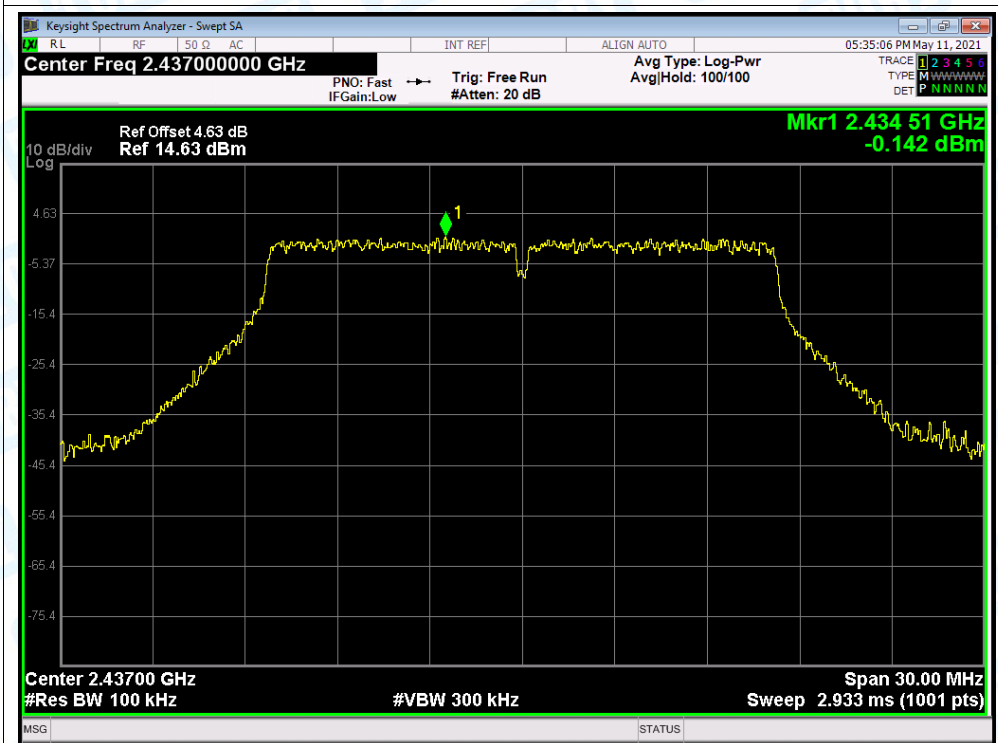
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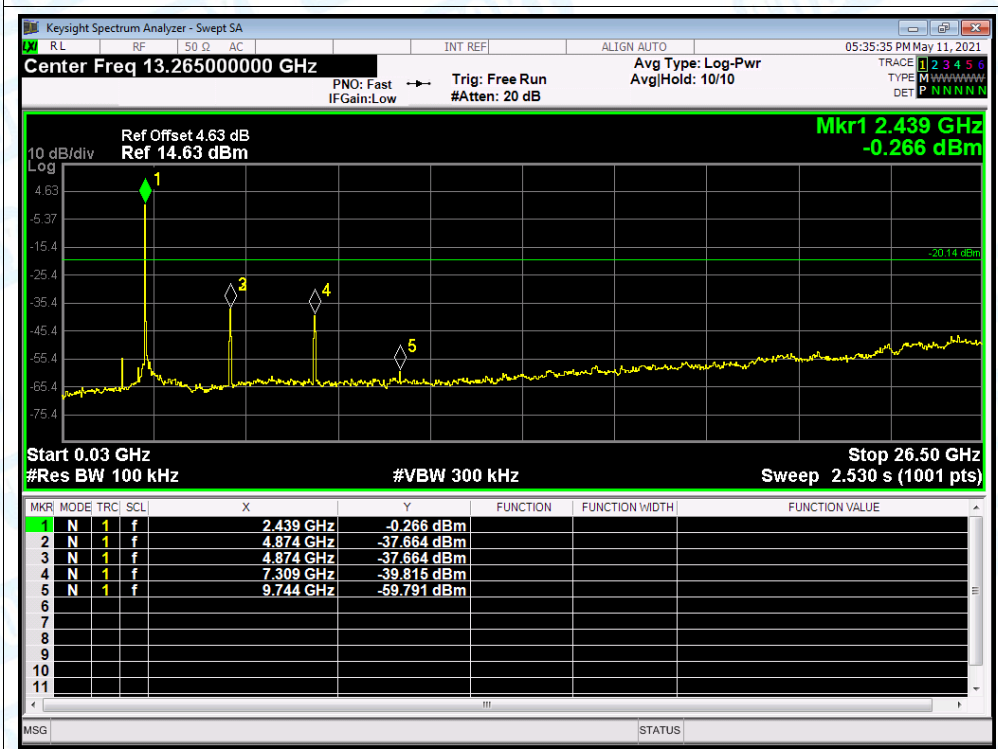
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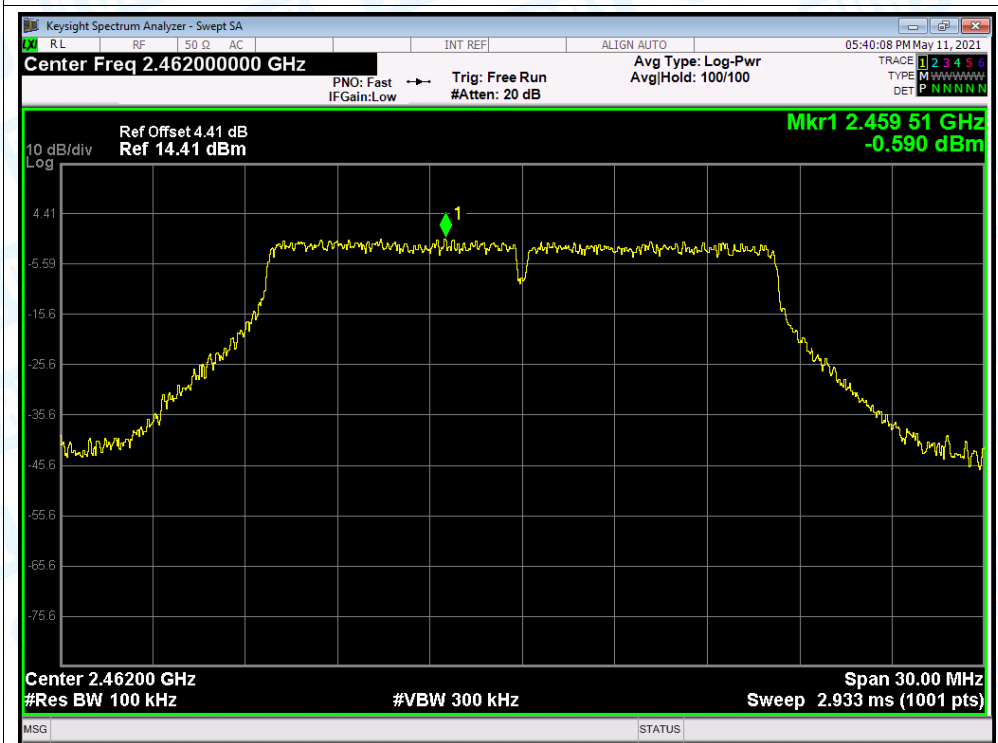
Tx. Spurious NVNT g 2437MHz Ant1 Ref



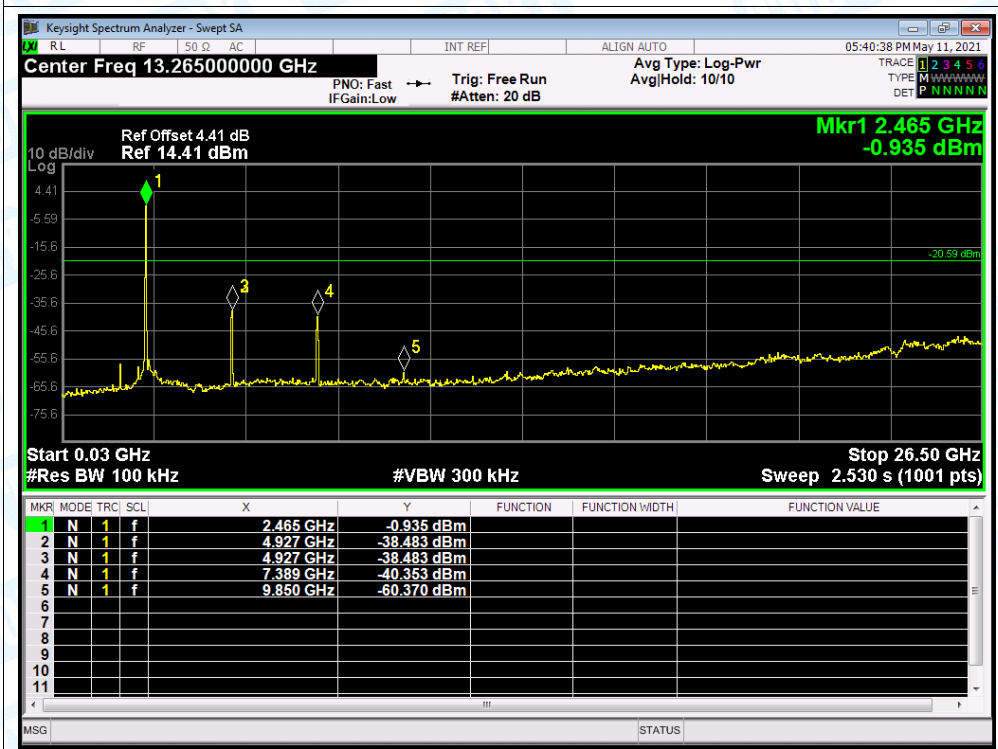
Tx. Spurious NVNT g 2437MHz Ant1 Emission



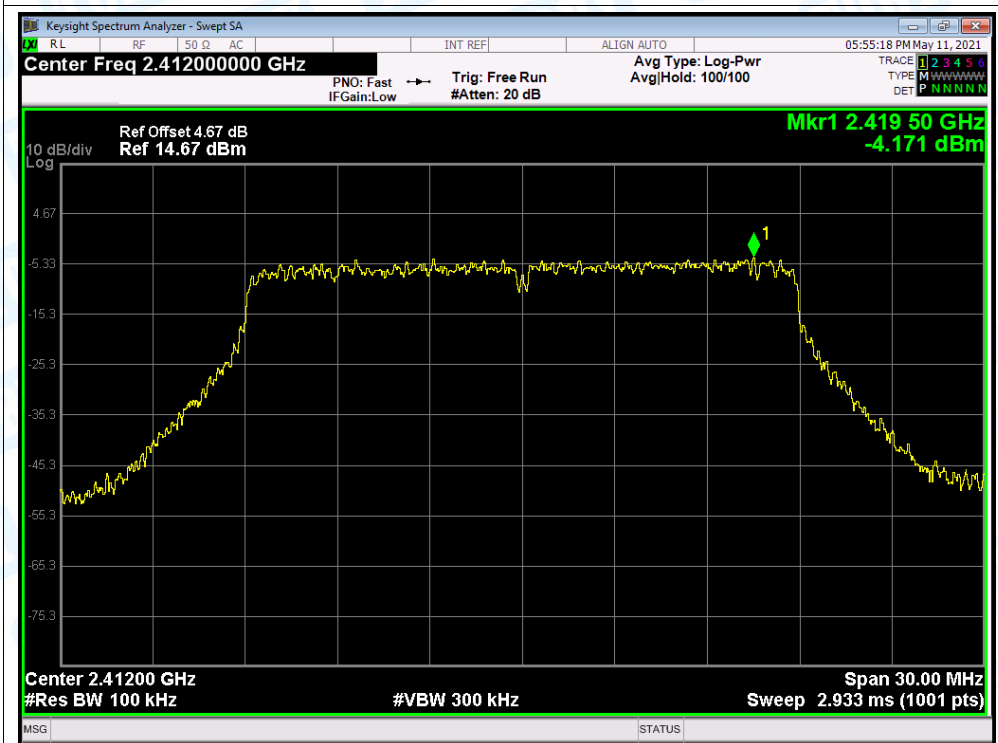
Tx. Spurious NVNT g 2462MHz Ant1 Ref



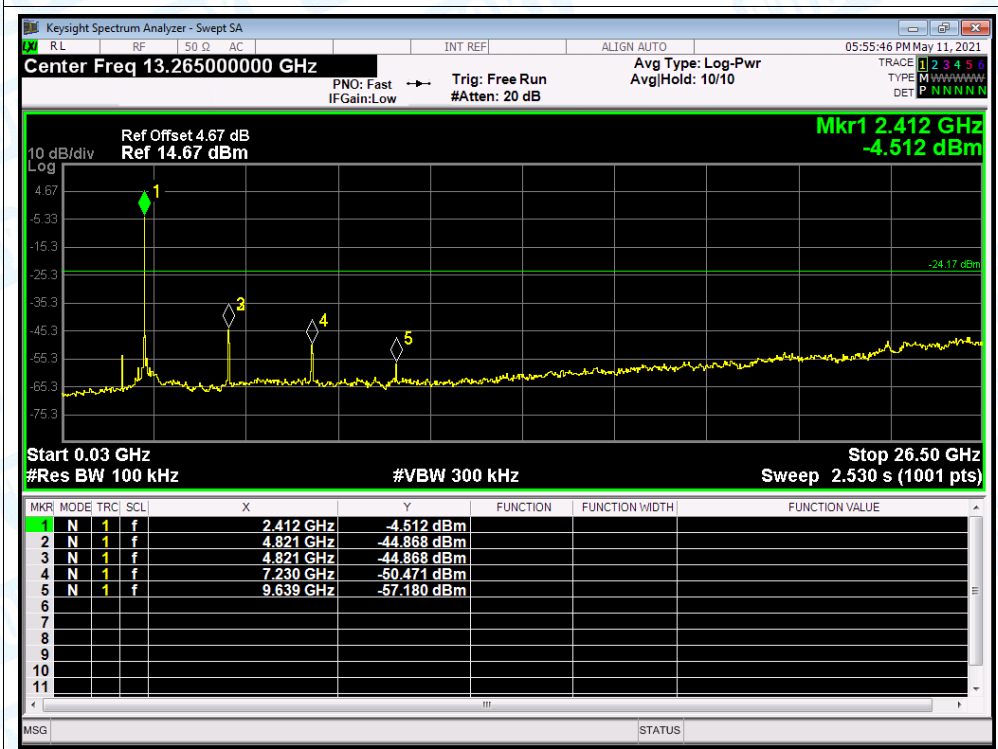
Tx. Spurious NVNT g 2462MHz Ant1 Emission



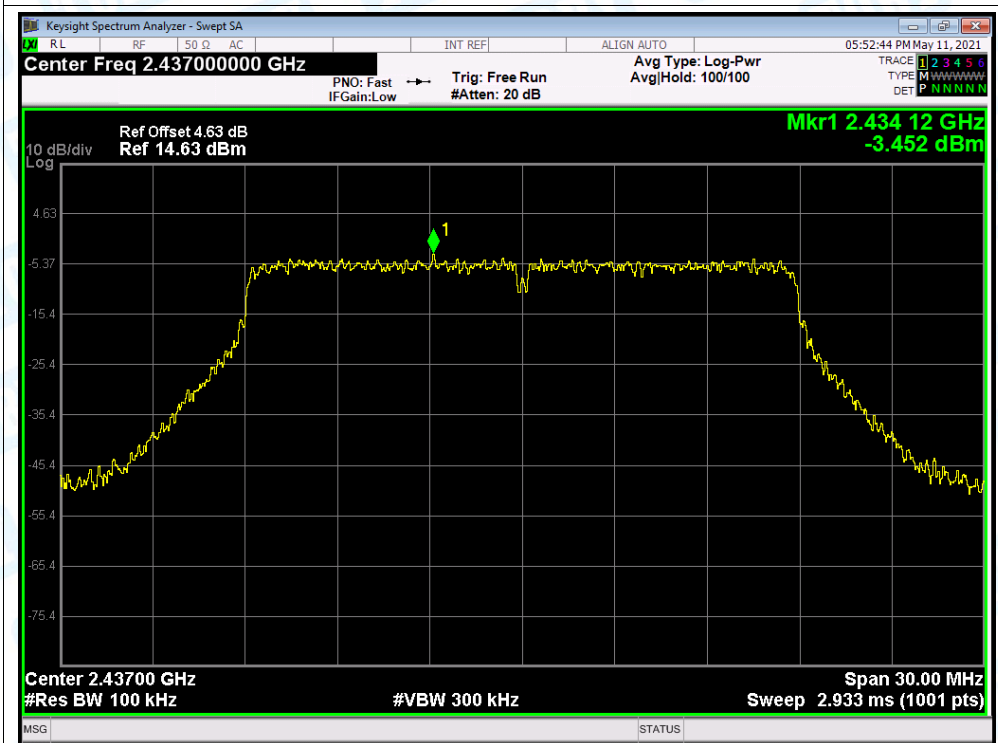
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Ref



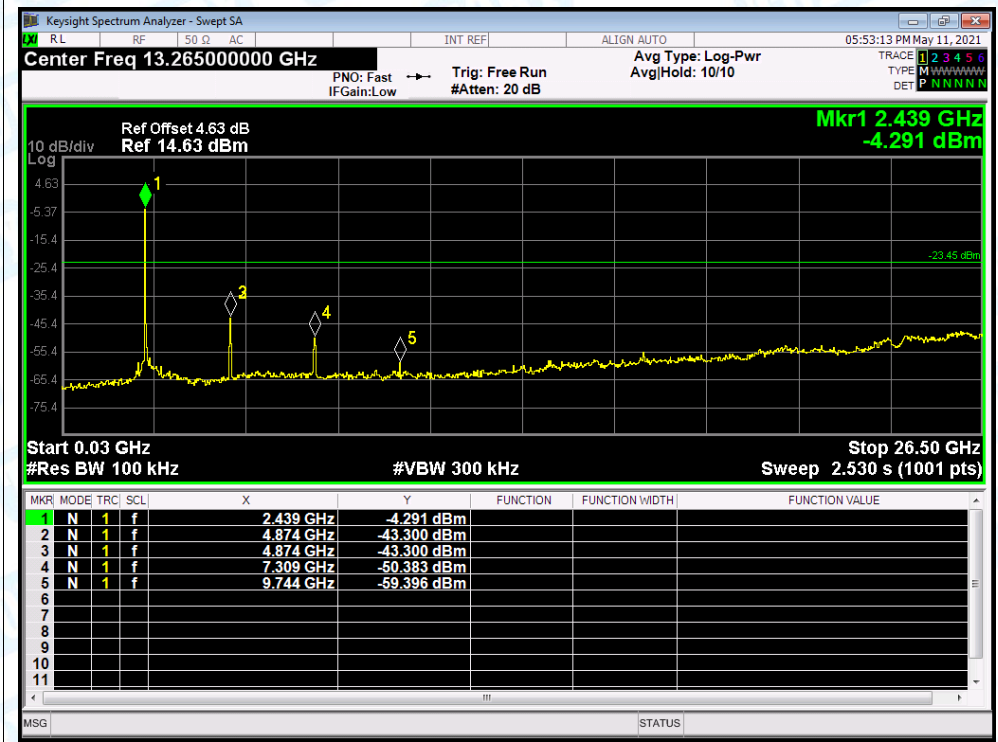
Tx. Spurious NVNT n(HT20) 2412MHz Ant1 Emission



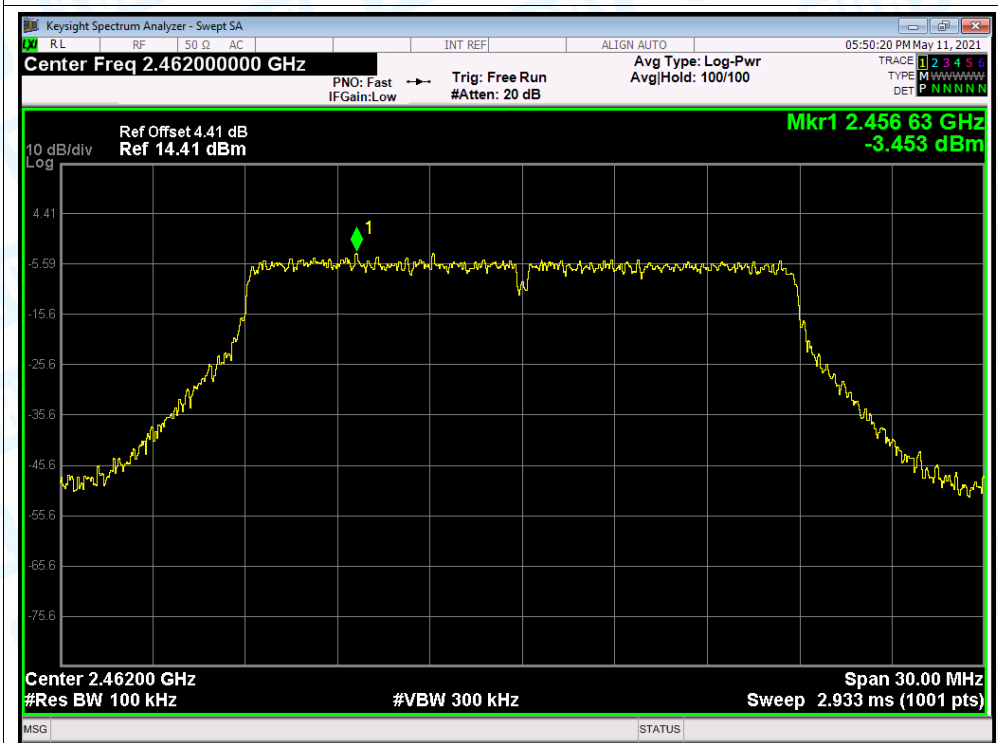
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Ref



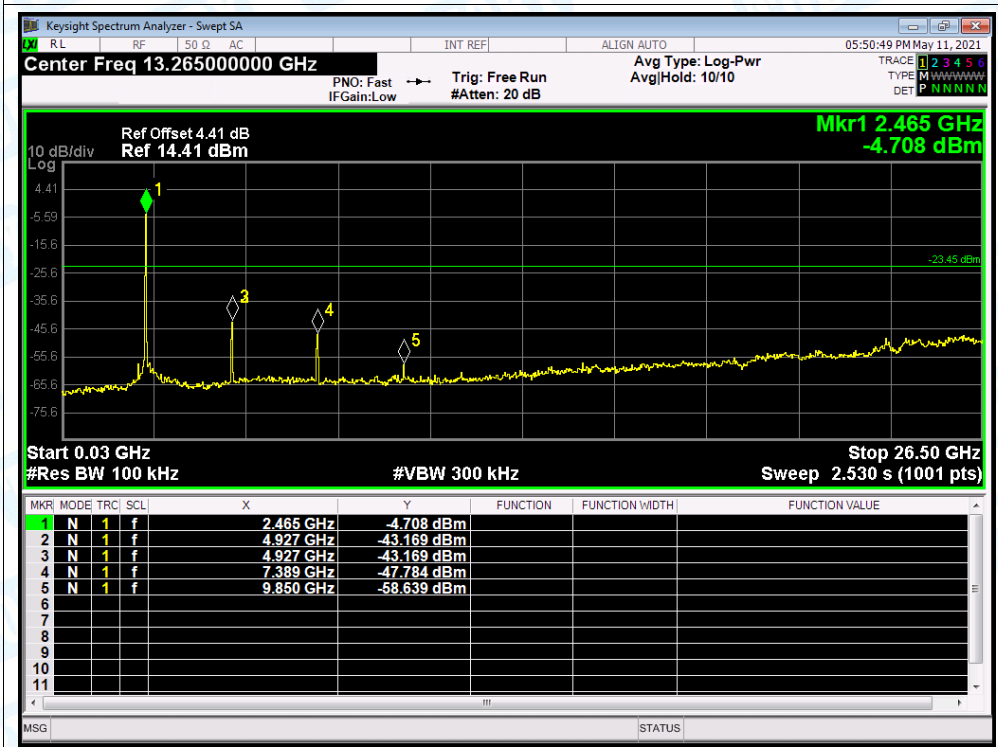
Tx. Spurious NVNT n(HT20) 2437MHz Ant1 Emission



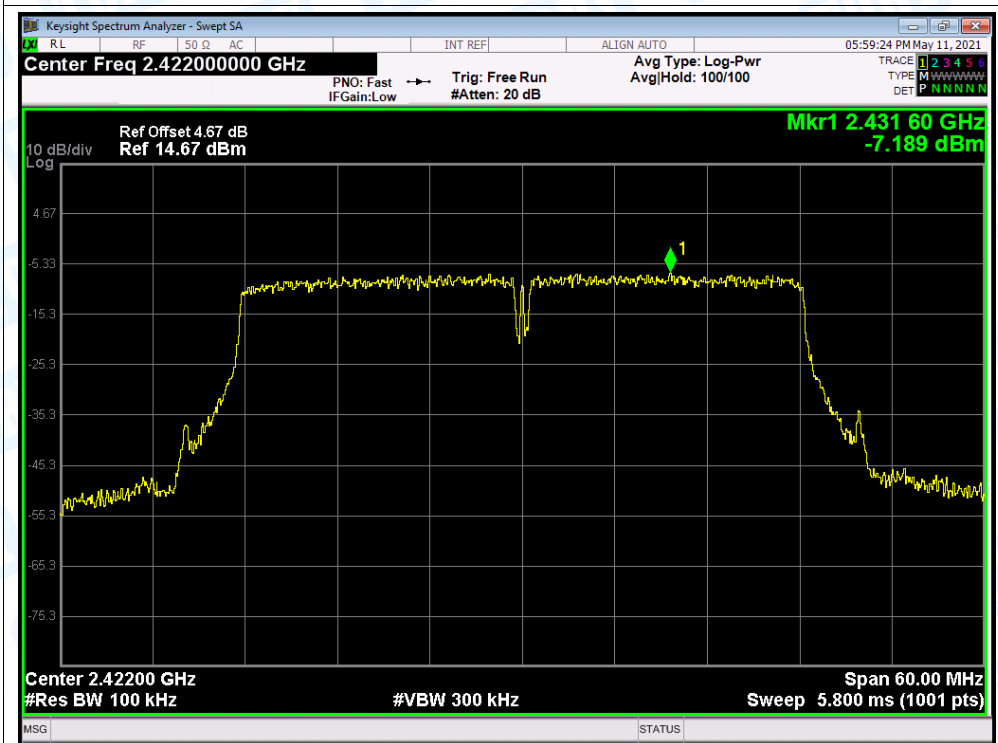
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Ref



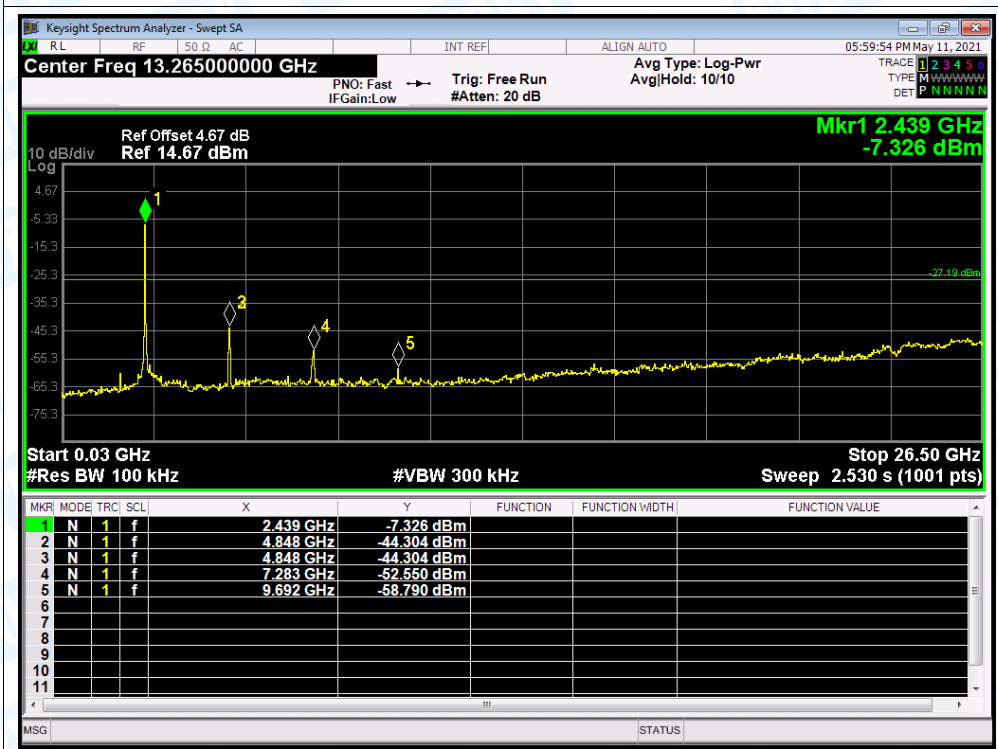
Tx. Spurious NVNT n(HT20) 2462MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Ref



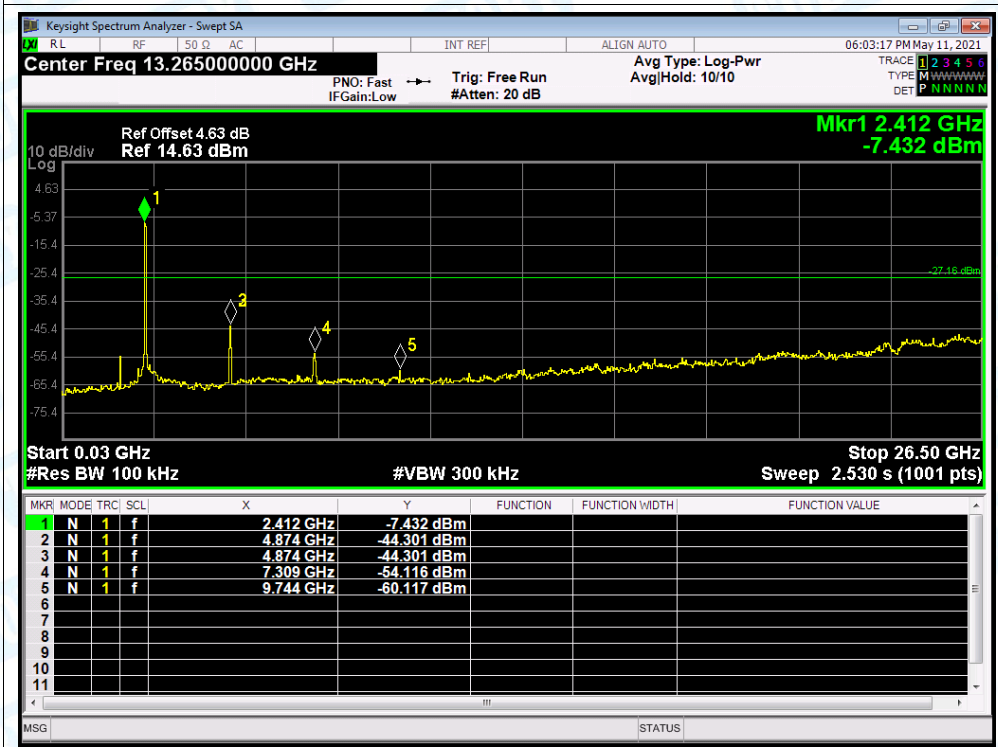
Tx. Spurious NVNT n(HT40) 2422MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Ref



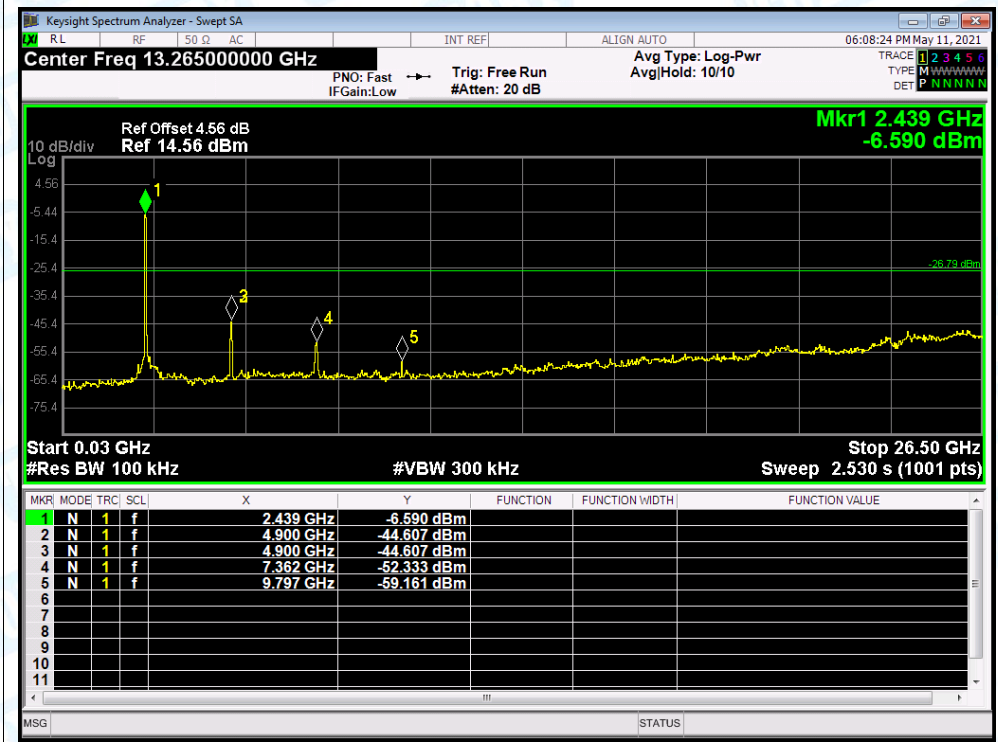
Tx. Spurious NVNT n(HT40) 2437MHz Ant1 Emission



Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Ref



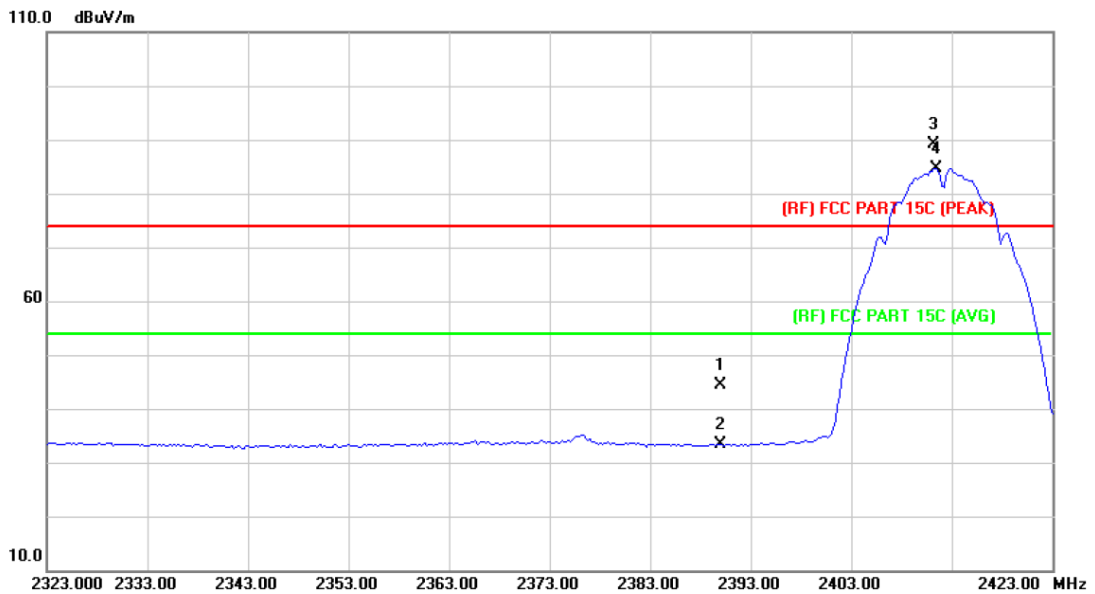
Tx. Spurious NVNT n(HT40) 2452MHz Ant1 Emission



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

(1) Radiation Test

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

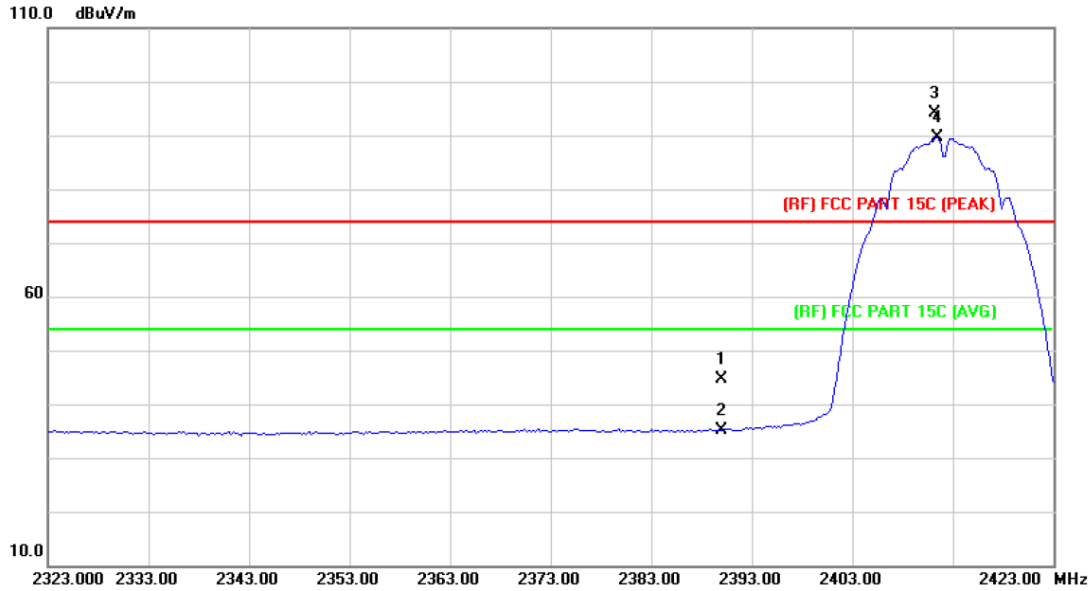


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	43.13	1.28	44.41	74.00	-29.59	peak
2		2390.000	32.08	1.28	33.36	54.00	-20.64	AVG
3	X	2411.200	87.82	1.39	89.21	Fundamental Frequency		peak
4	*	2411.400	83.34	1.39	84.73	Fundamental Frequency		AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

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

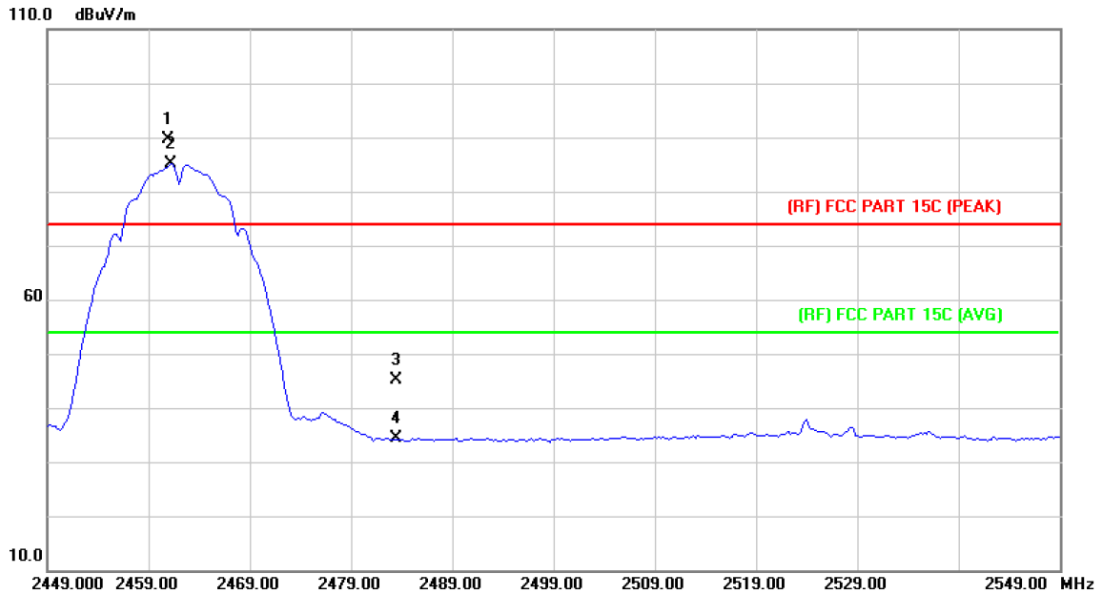


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	43.47	1.28	44.75	74.00	-29.25	peak
2		2390.000	33.82	1.28	35.10	54.00	-18.90	AVG
3	X	2411.200	92.86	1.39	94.25	Fundamental Frequency		peak
4	*	2411.400	88.26	1.39	89.65	Fundamental Frequency		AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

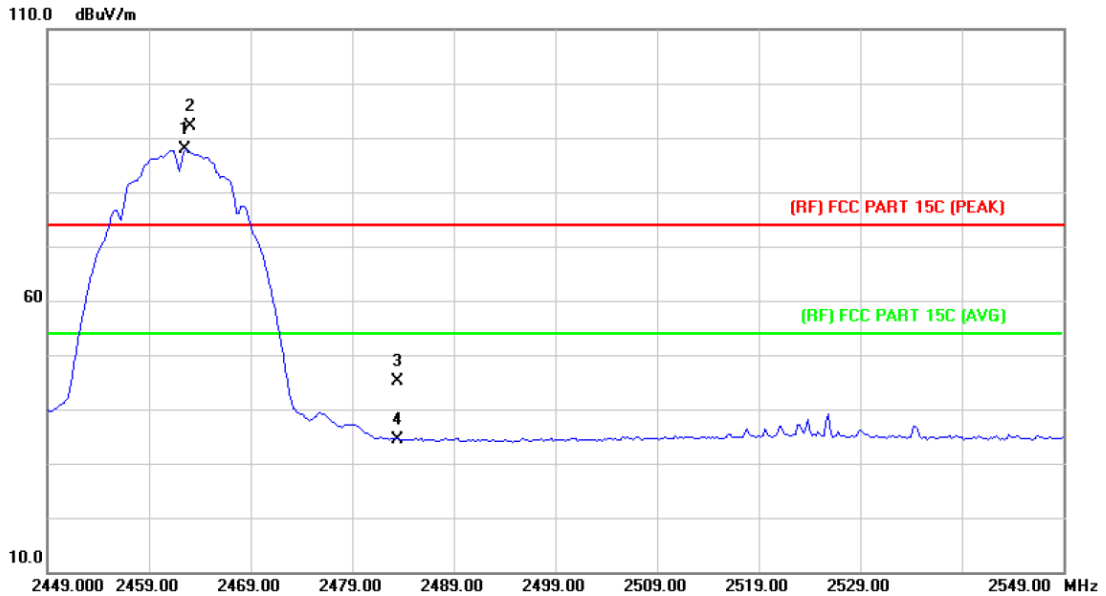


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2460.900	87.99	1.72	89.71	Fundamental Frequency		peak
2	*	2461.200	83.46	1.73	85.19	Fundamental Frequency		AVG
3		2483.500	43.14	1.88	45.02	74.00	-28.98	peak
4		2483.500	32.62	1.88	34.50	54.00	-19.50	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

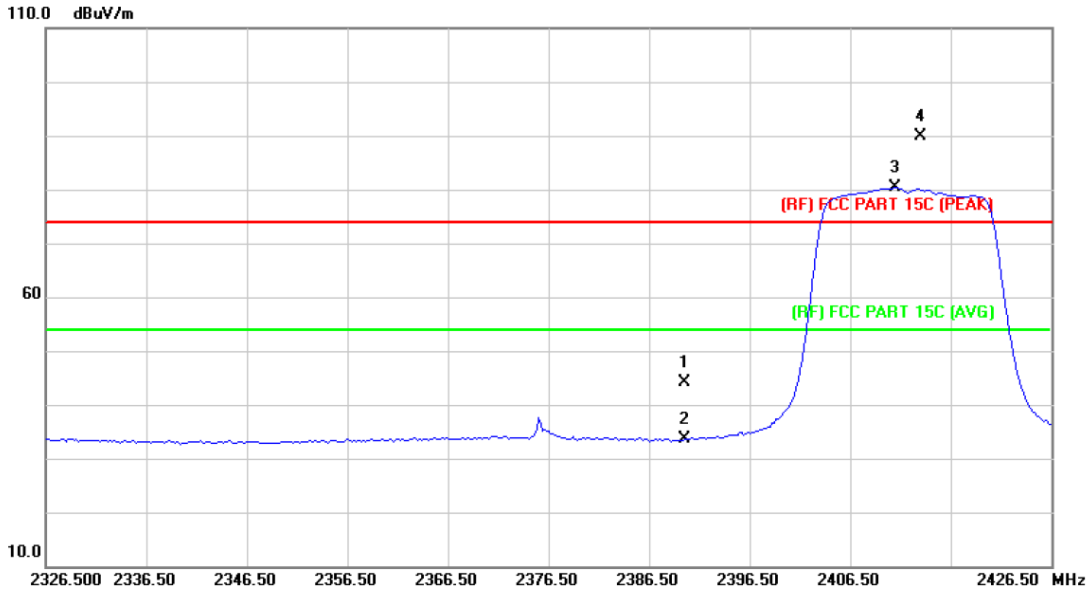


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2462.600	86.05	1.74	87.79	Fundamental Frequency		AVG
2	X	2463.000	90.50	1.74	92.24	Fundamental Frequency		peak
3		2483.500	43.21	1.88	45.09	74.00	-28.91	peak
4		2483.500	32.57	1.88	34.45	54.00	-19.55	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

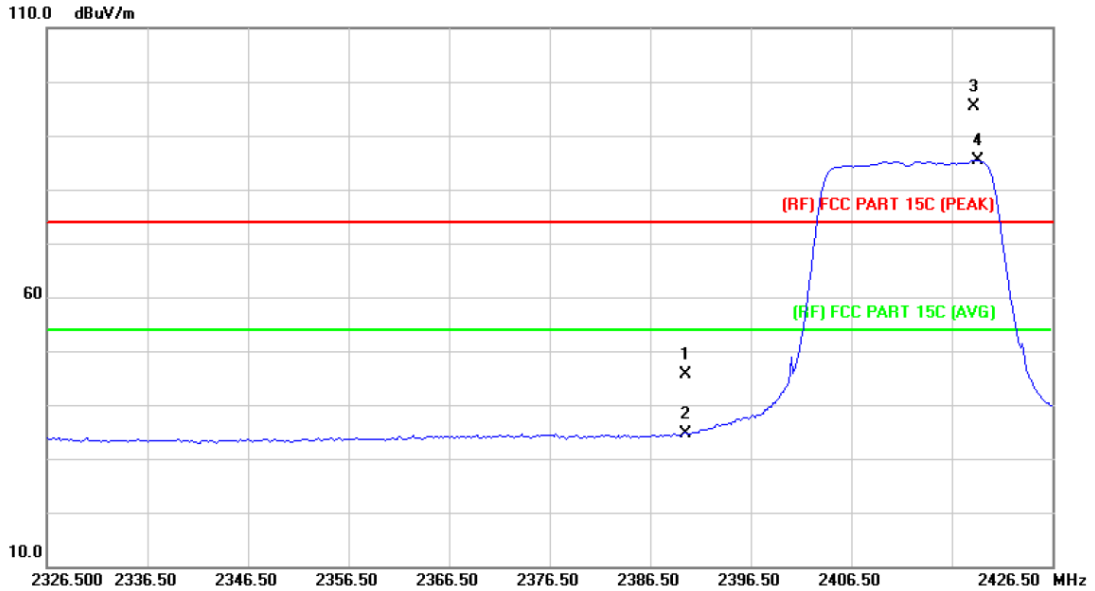


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	42.78	1.28	44.06	74.00	-29.94	peak
2		2390.000	32.40	1.28	33.68	54.00	-20.32	AVG
3	*	2410.900	78.93	1.38	80.31	Fundamental Frequency		AVG
4	X	2413.500	88.48	1.41	89.89	Fundamental Frequency		peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

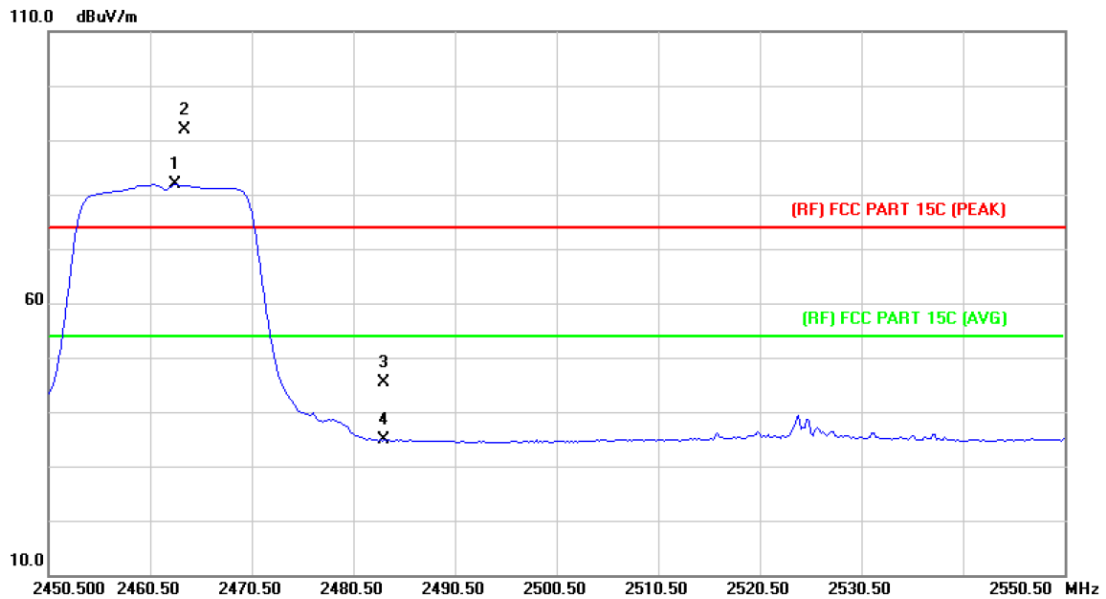


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.37	1.28	45.65	74.00	-28.35	peak
2		2390.000	33.43	1.28	34.71	54.00	-19.29	AVG
3	X	2418.700	94.01	1.44	95.45	Fundamental Frequency		peak
4	*	2419.100	83.90	1.45	85.35	Fundamental Frequency		AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

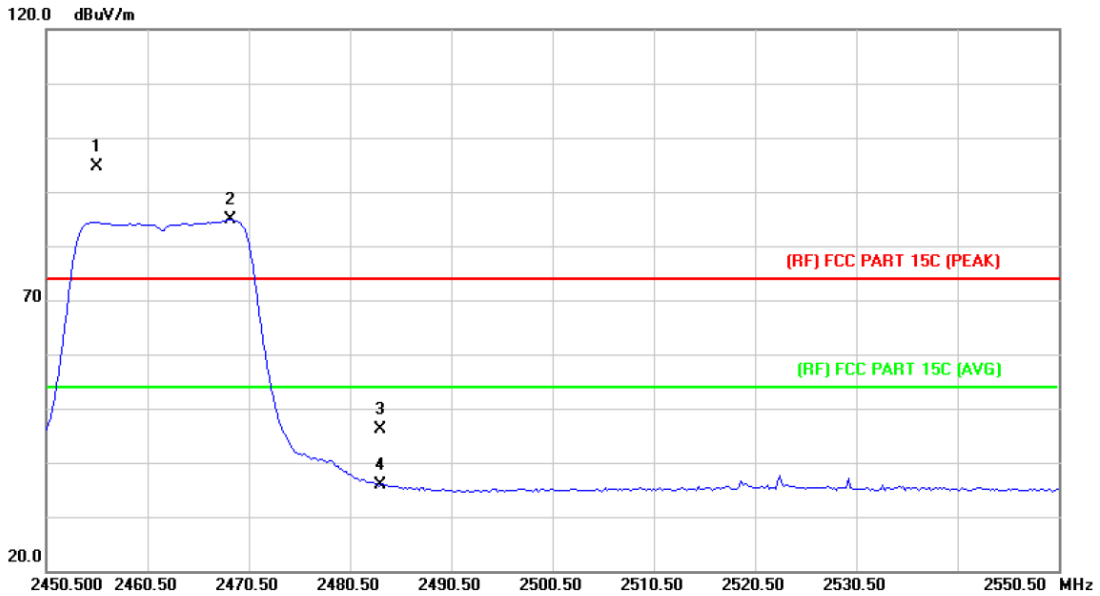


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2462.900	80.06	1.74	81.80	Fundamental Frequency		AVG
2	X	2463.900	90.03	1.75	91.78	Fundamental Frequency		peak
3		2483.500	43.46	1.88	45.34	74.00	-28.66	peak
4		2483.500	32.89	1.88	34.77	54.00	-19.23	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

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

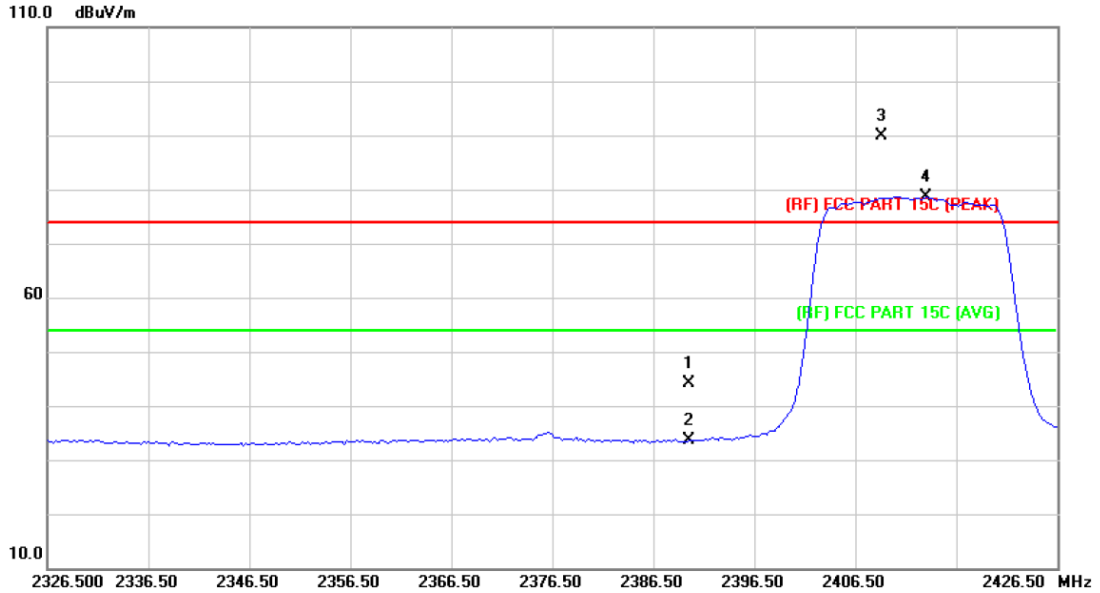


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2455.500	93.06	1.69	94.75	Fundamental Frequency		peak
2	*	2468.700	83.05	1.78	84.83	Fundamental Frequency		AVG
3		2483.500	44.22	1.88	46.10	74.00	-27.90	peak
4		2483.500	34.03	1.88	35.91	54.00	-18.09	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

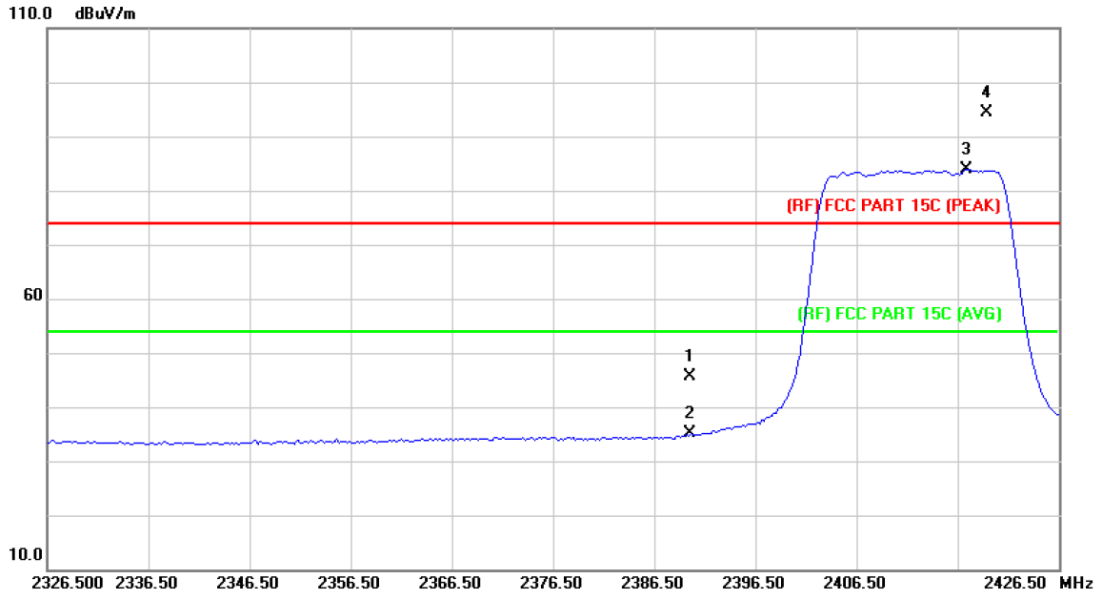


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	42.87	1.28	44.15	74.00	-29.85	peak
2		2390.000	32.37	1.28	33.65	54.00	-20.35	AVG
3	X	2409.100	88.42	1.38	89.80	Fundamental Frequency		peak
4	*	2413.500	77.10	1.41	78.51	Fundamental Frequency		AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

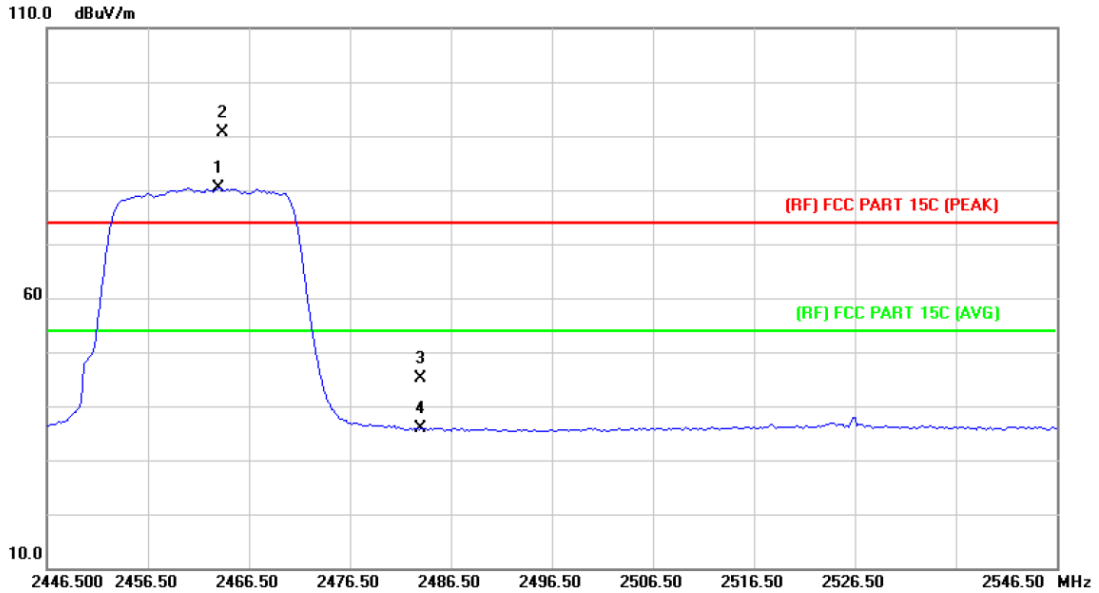


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	44.24	1.28	45.52	74.00	-28.48	peak
2		2390.000	33.73	1.28	35.01	54.00	-18.99	AVG
3	*	2417.300	82.42	1.44	83.86	Fundamental Frequency		AVG
4	X	2419.300	92.86	1.45	94.31	Fundamental Frequency		peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

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

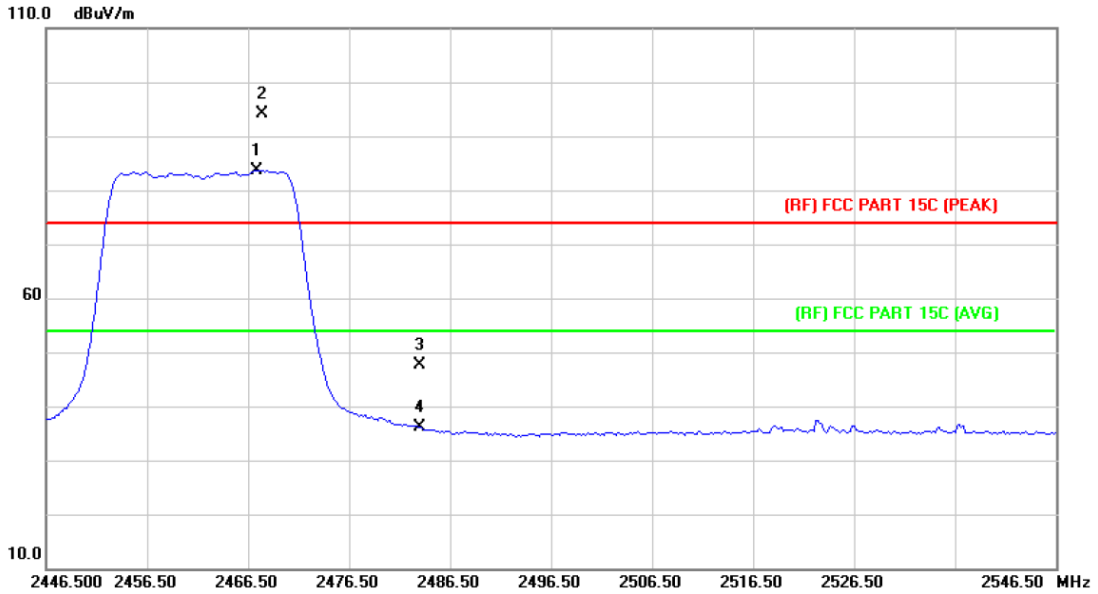


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2463.500	78.69	1.75	80.44	Fundamental Frequency		AVG
2	X	2463.900	88.99	1.75	90.74	Fundamental Frequency		peak
3		2483.500	43.15	1.88	45.03	74.00	-28.97	peak
4		2483.500	33.88	1.88	35.76	54.00	-18.24	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

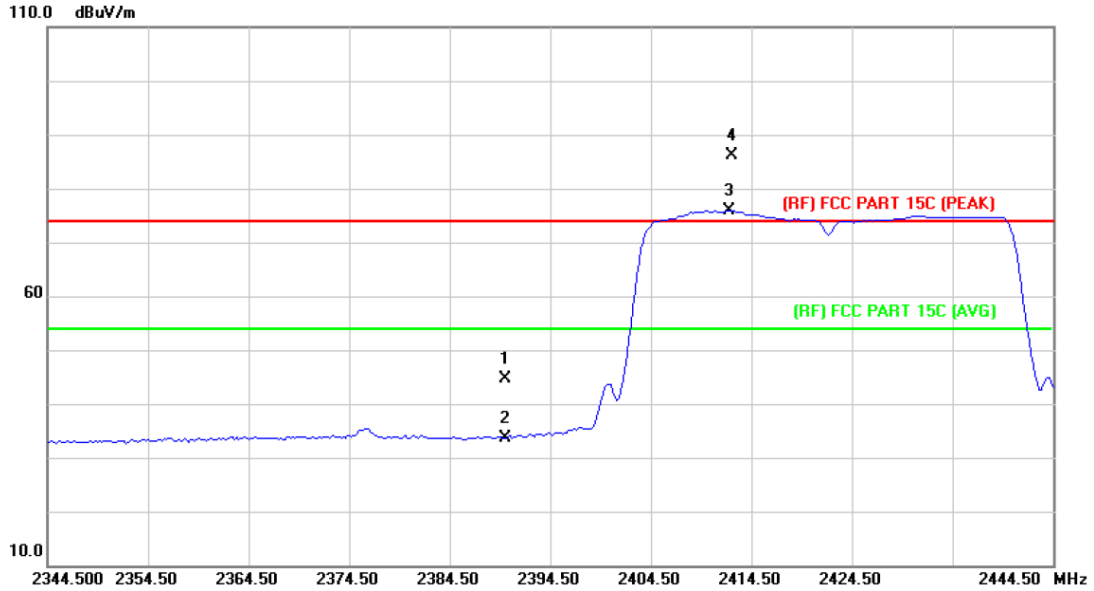


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	*	2467.300	81.93	1.78	83.71	Fundamental Frequency		AVG
2	X	2467.900	92.26	1.78	94.04	Fundamental Frequency		peak
3		2483.500	45.70	1.88	47.58	74.00	-26.42	peak
4		2483.500	34.20	1.88	36.08	54.00	-17.92	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

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

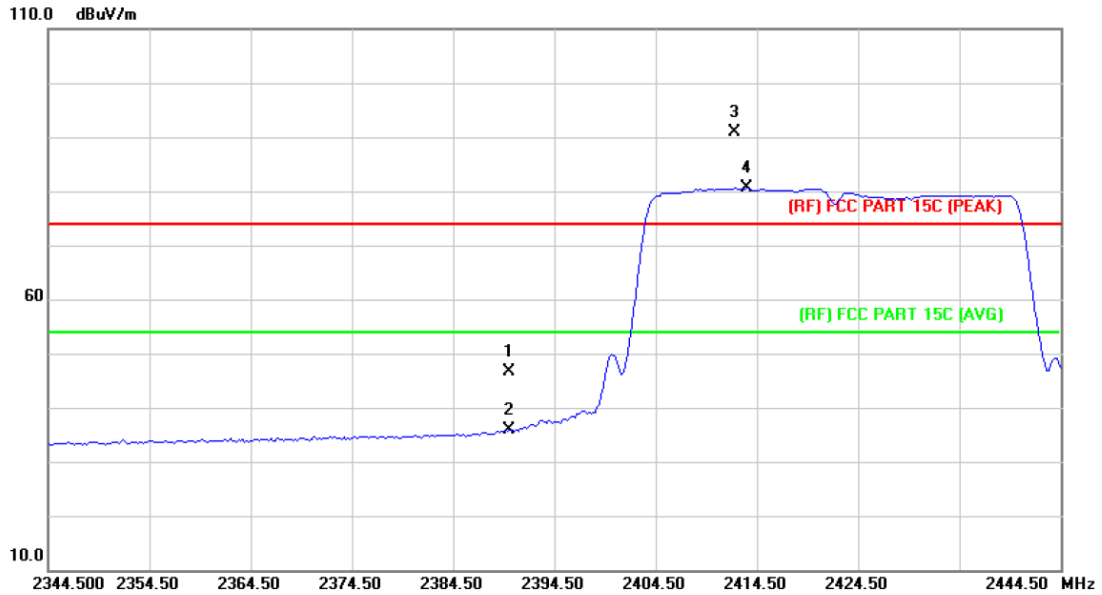


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	43.40	1.28	44.68	54.00	-9.32	AVG
2		2390.000	32.39	1.28	33.67	54.00	-20.33	AVG
3	*	2412.300	74.43	1.39	75.82	Fundamental Frequency		AVG
4	X	2412.500	84.63	1.40	86.03	Fundamental Frequency		peak

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

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

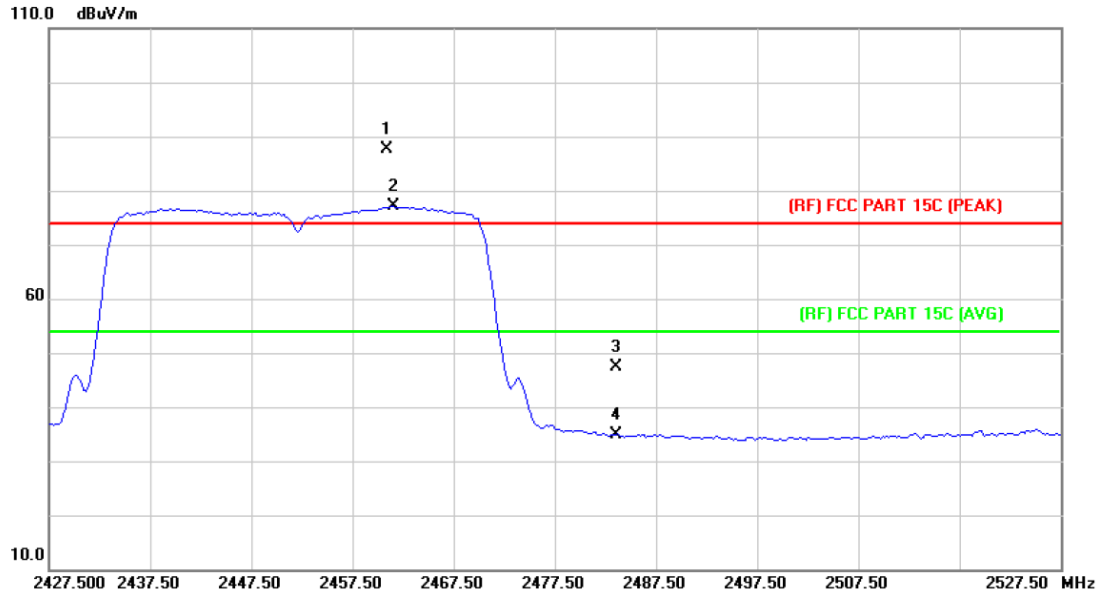


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		2390.000	45.47	1.28	46.75	74.00	-27.25	peak
2		2390.000	34.72	1.28	36.00	54.00	-18.00	AVG
3	X	2412.300	89.54	1.39	90.93	Fundamental Frequency		peak
4	*	2413.500	79.17	1.41	80.58	Fundamental Frequency		AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBμV/m) = Corr. (dB/m) + Read Level (dBμV)
3. Margin (dB) = Peak/AVG (dBμV/m) - Limit PK/AVG (dBμV/m)

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

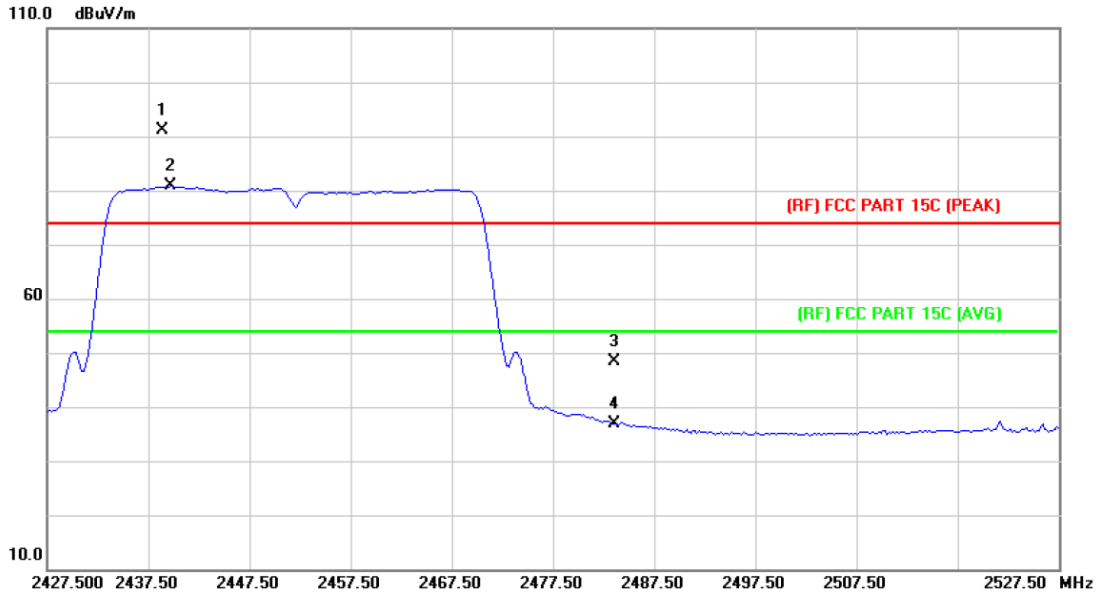


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2460.900	85.94	1.72	87.66	Fundamental Frequency		peak
2	*	2461.500	75.44	1.73	77.17	Fundamental Frequency		AVG
3		2483.500	45.44	1.88	47.32	74.00	-26.68	peak
4		2483.500	33.05	1.88	34.93	54.00	-19.07	AVG

Remark:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

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



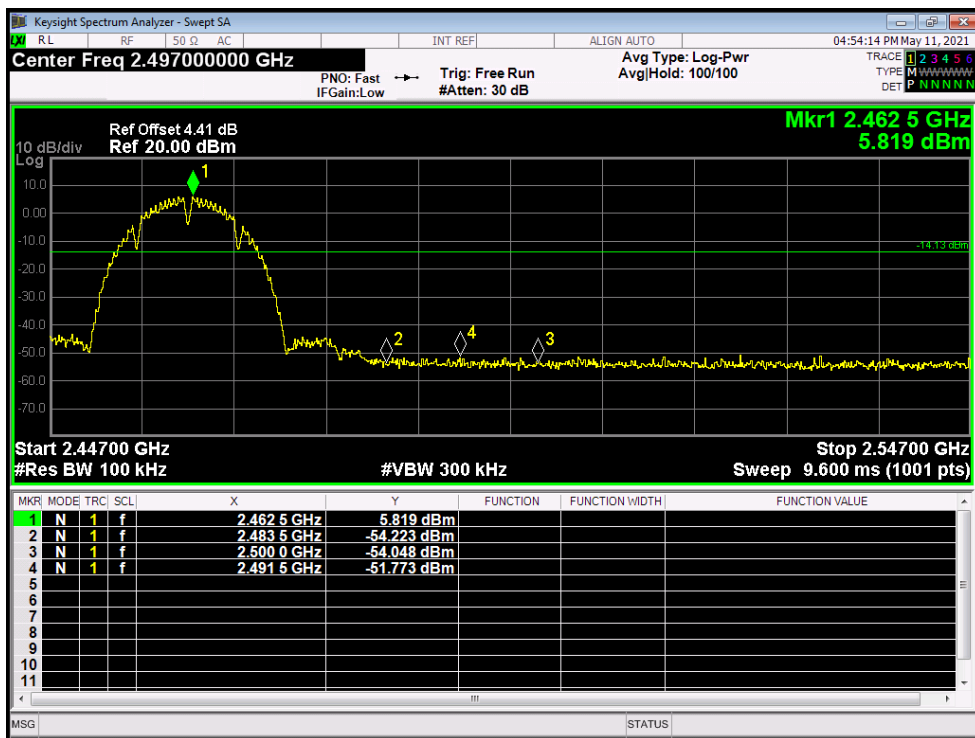
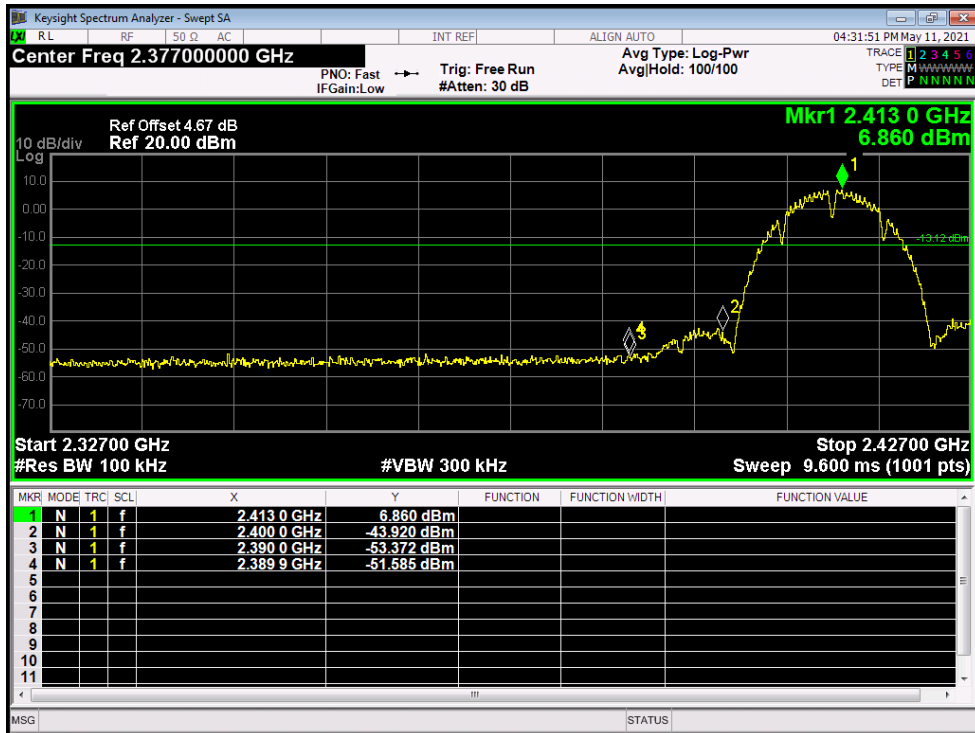
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1	X	2438.900	89.50	1.58	91.08	Fundamental Frequency		peak
2	*	2439.700	79.20	1.59	80.79	Fundamental Frequency		AVG
3		2483.500	46.57	1.88	48.45	74.00	-25.55	peak
4		2483.500	34.97	1.88	36.85	54.00	-17.15	AVG

Remark:

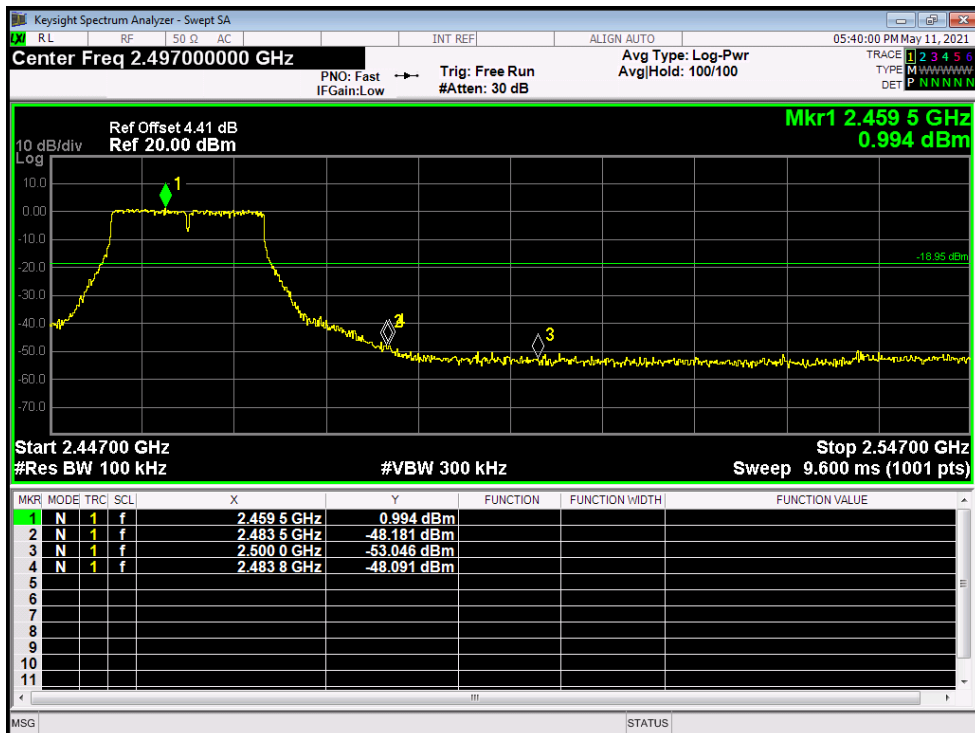
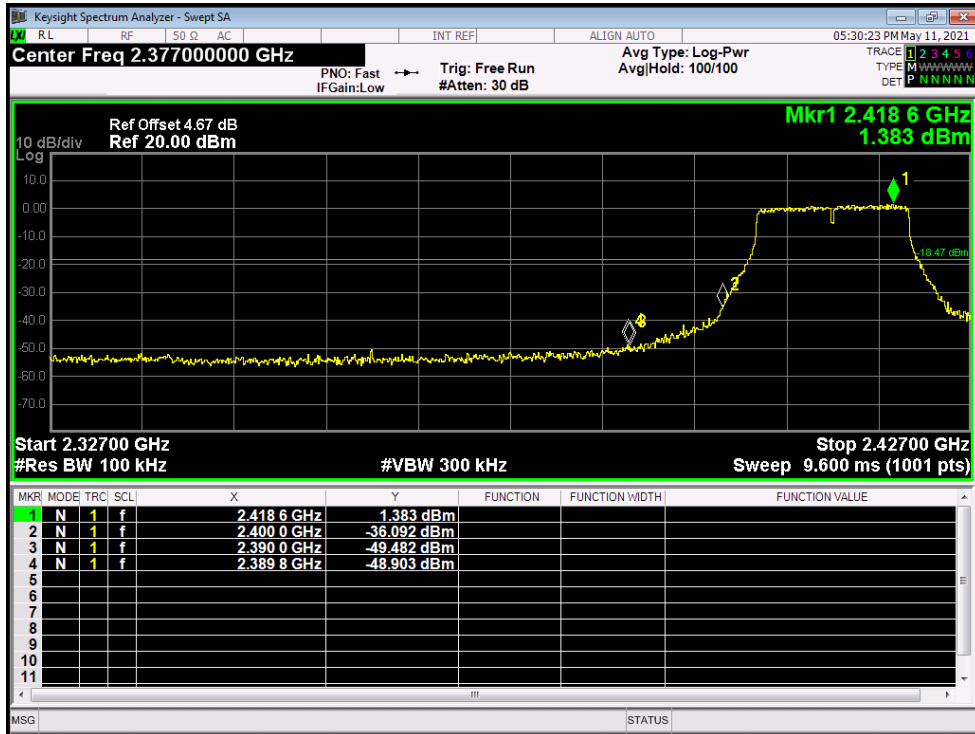
1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
2. Peak/AVG (dBuV/m) = Corr. (dB/m) + Read Level (dBuV)
3. Margin (dB) = Peak/AVG (dBuV/m) - Limit PK/AVG (dBuV/m)

(2) Conducted Test

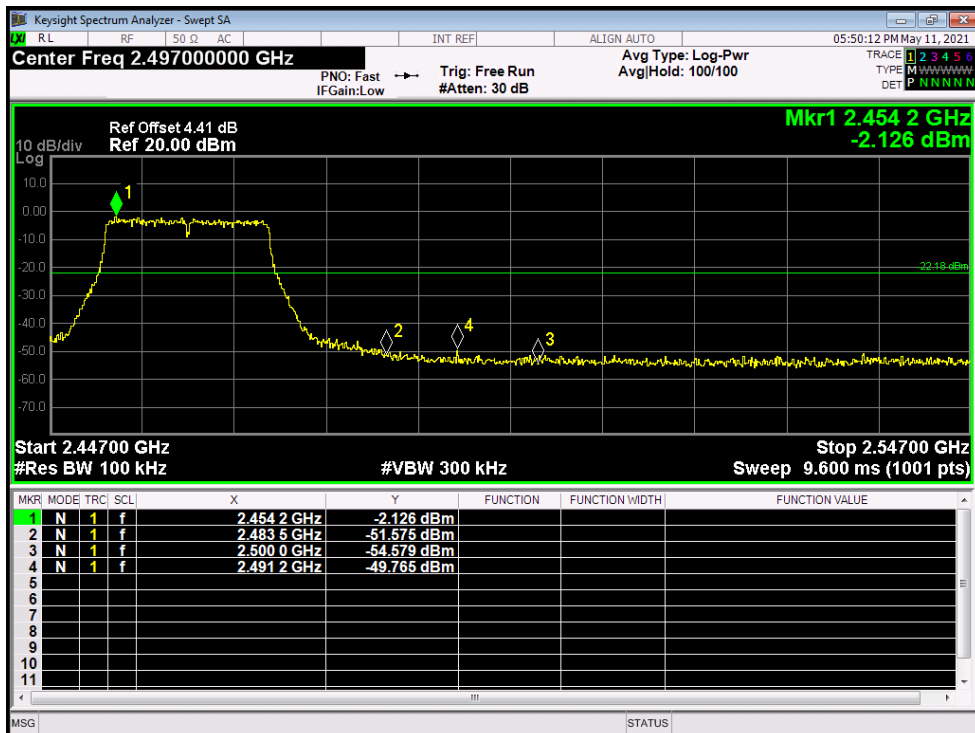
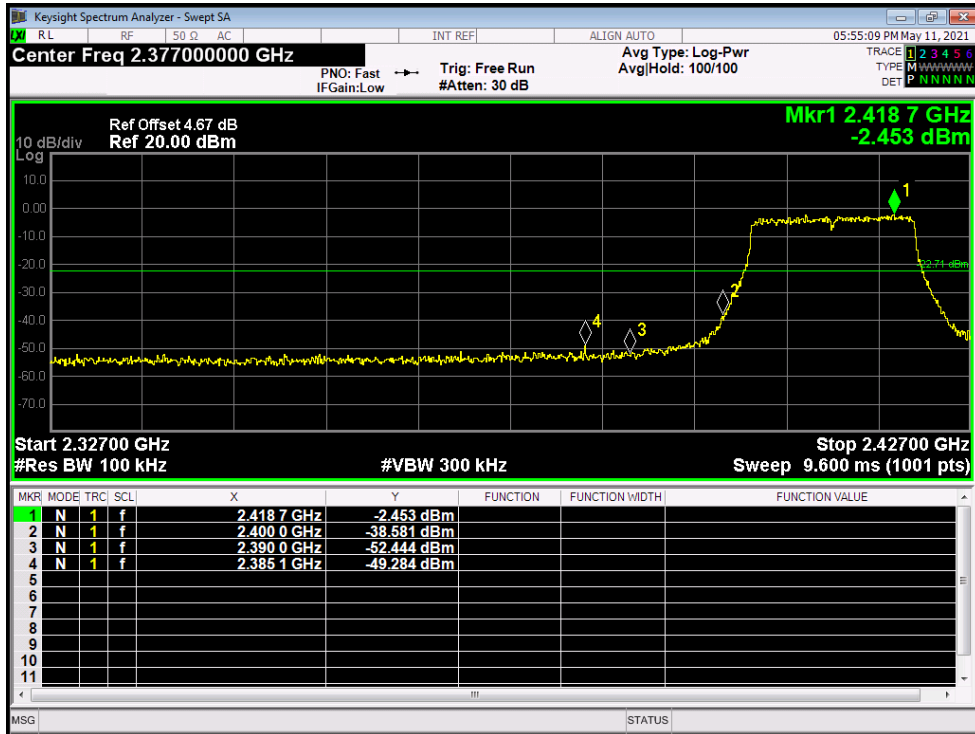
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX B Mode 2412MHz / TX B Mode 2462MHz		
Remark:	The EUT is programmed in continuously transmitting mode		



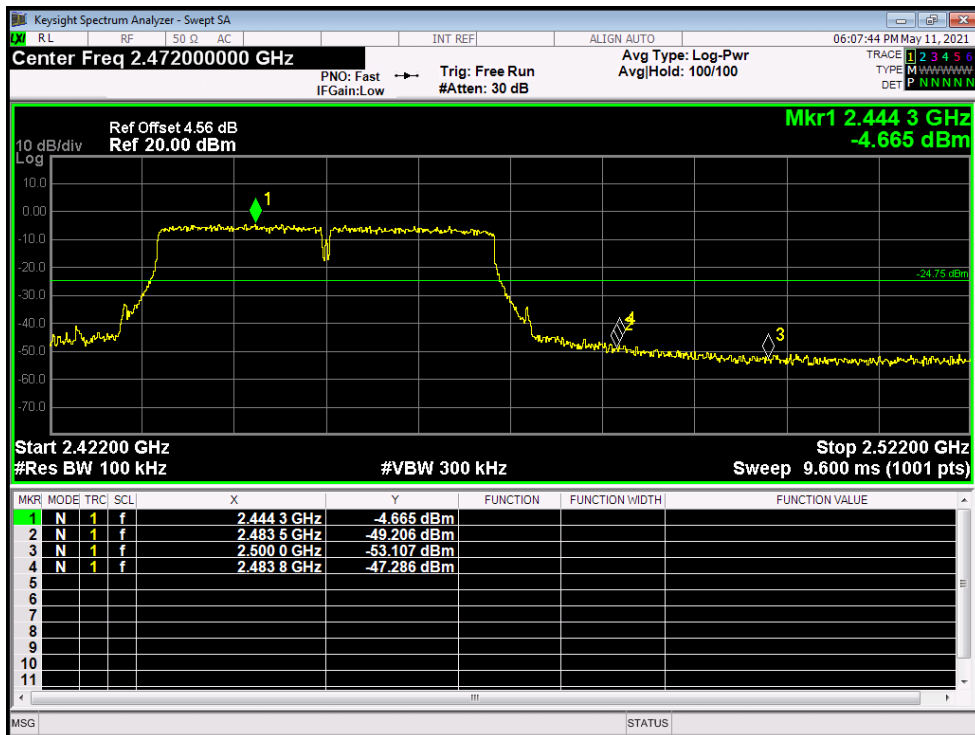
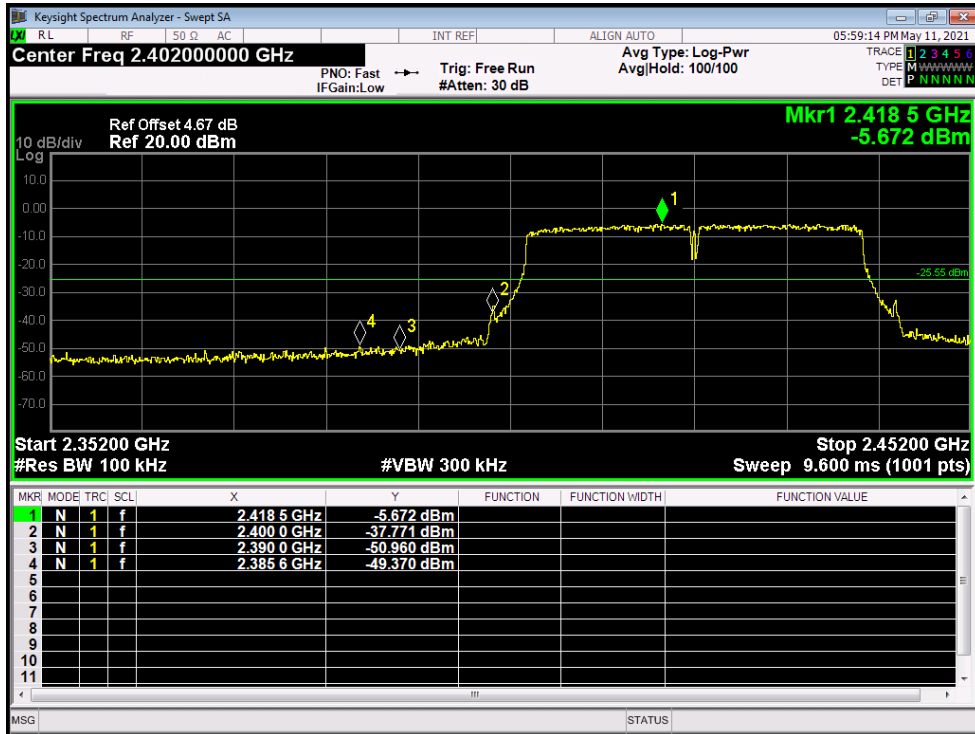
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	AC 120V/60Hz		
Test Mode:	TX G Mode 2412MHz / TX G Mode 2462MHz		
Remark:	The EUT is programmed in continuously transmitting mode		



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 programmed 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 programmed in continuously transmitting mode		

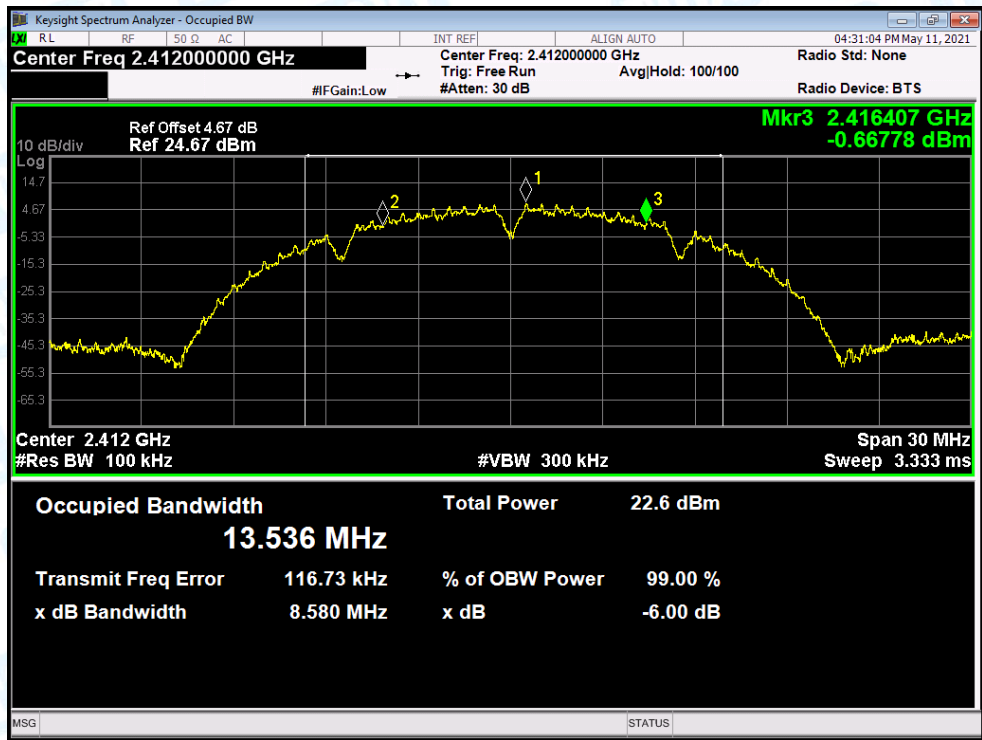


Attachment D-- Bandwidth Test Data

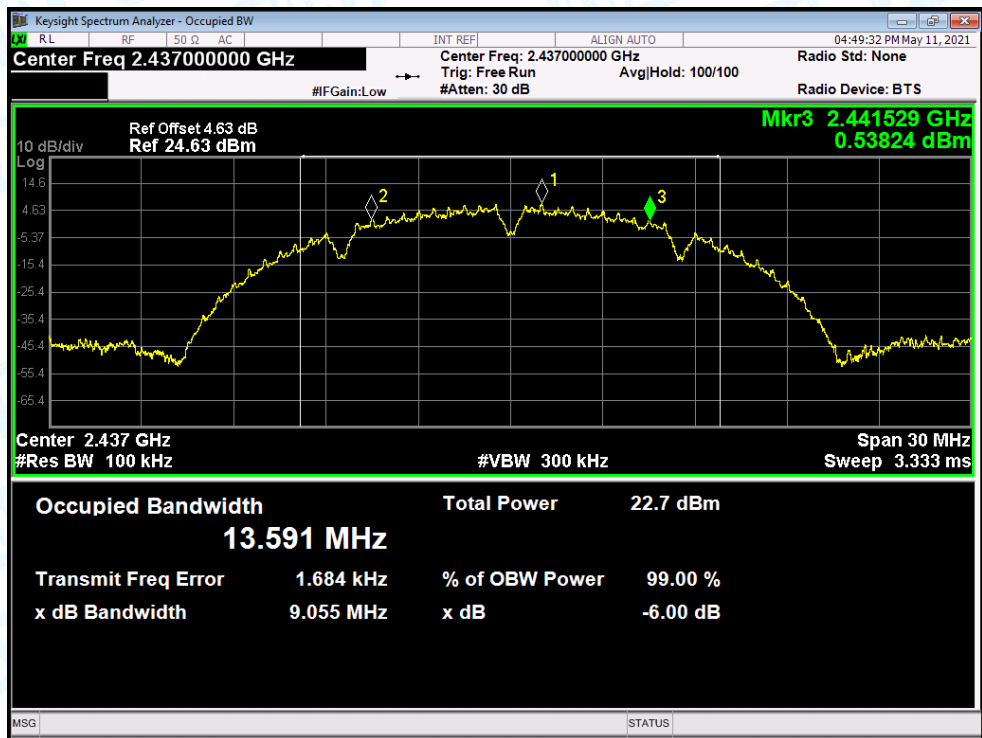
Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	8.58	0.5	Pass
NVNT	b	2437	9.055	0.5	Pass
NVNT	b	2462	9.062	0.5	Pass
NVNT	g	2412	16.545	0.5	Pass
NVNT	g	2437	16.539	0.5	Pass
NVNT	g	2462	16.526	0.5	Pass
NVNT	n(HT20)	2412	17.75	0.5	Pass
NVNT	n(HT20)	2437	17.763	0.5	Pass
NVNT	n(HT20)	2462	17.718	0.5	Pass
NVNT	n(HT40)	2422	36.462	0.5	Pass
NVNT	n(HT40)	2437	36.478	0.5	Pass
NVNT	n(HT40)	2452	36.464	0.5	Pass

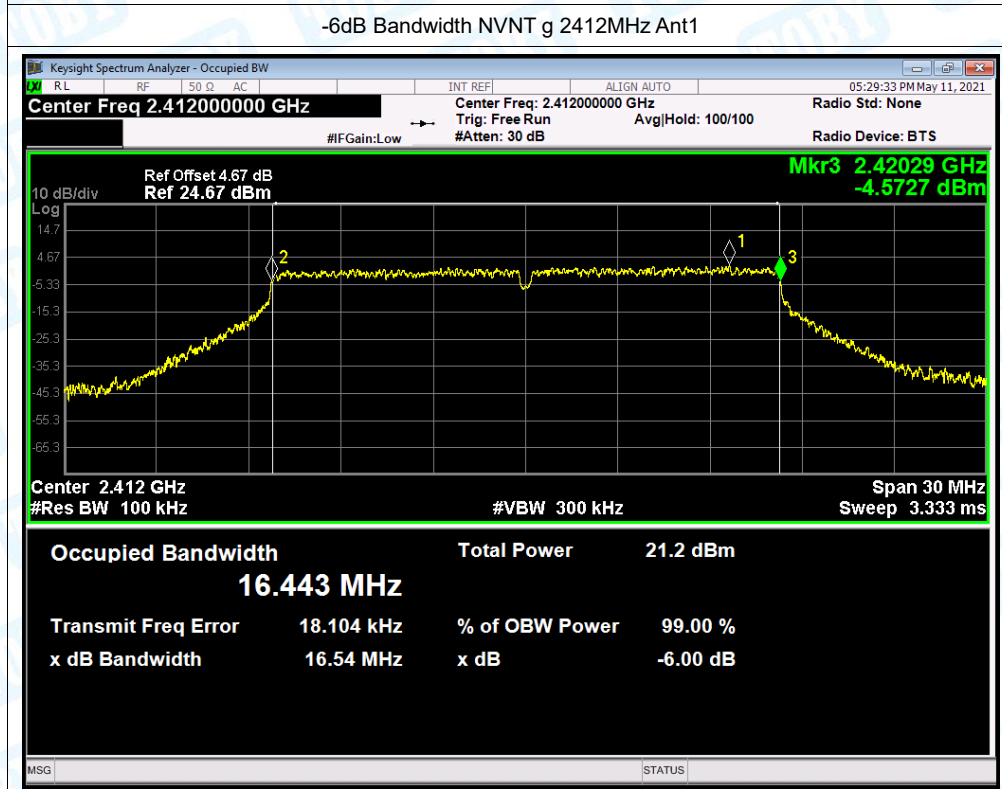
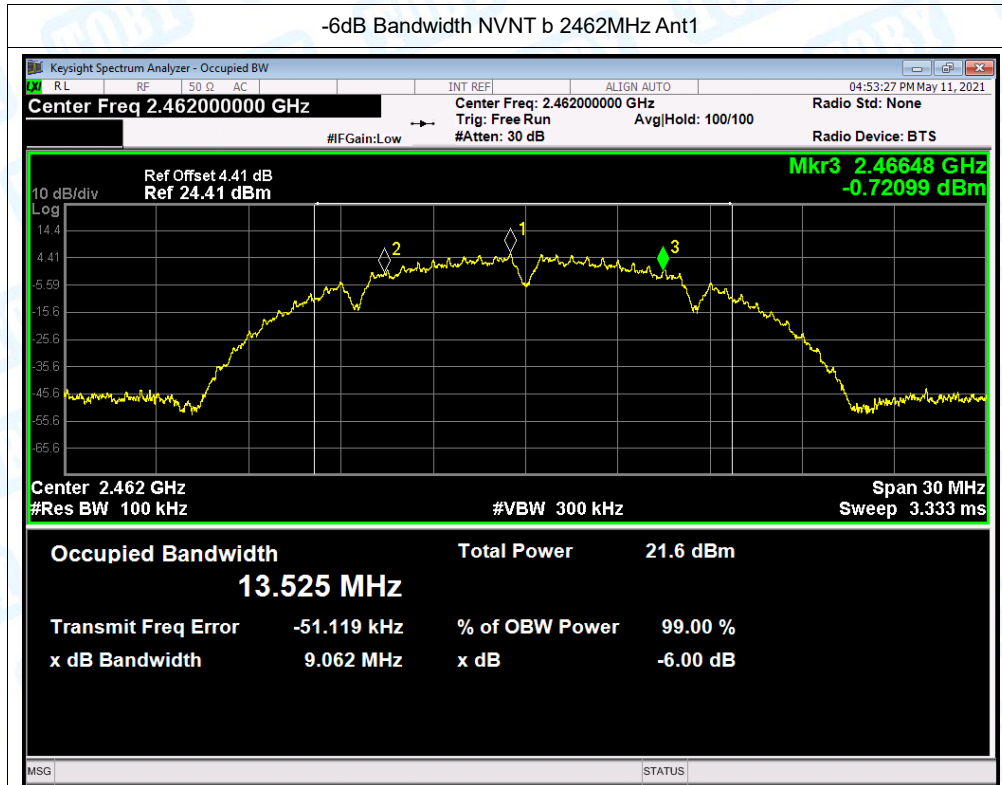
Test Graphs

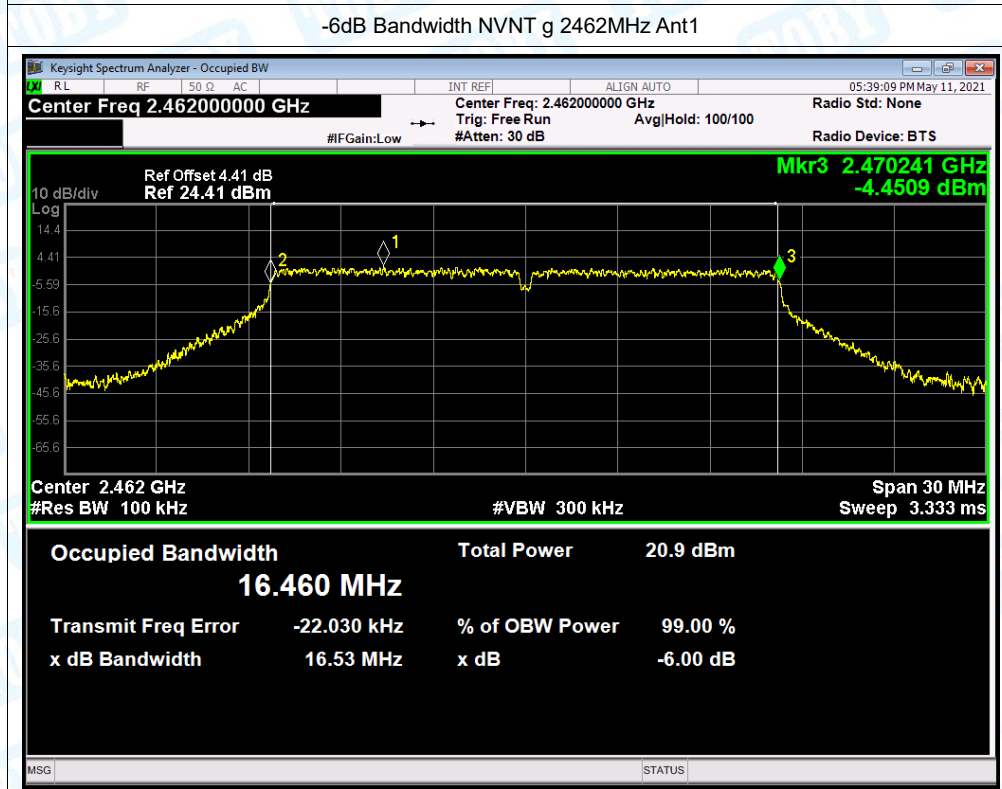
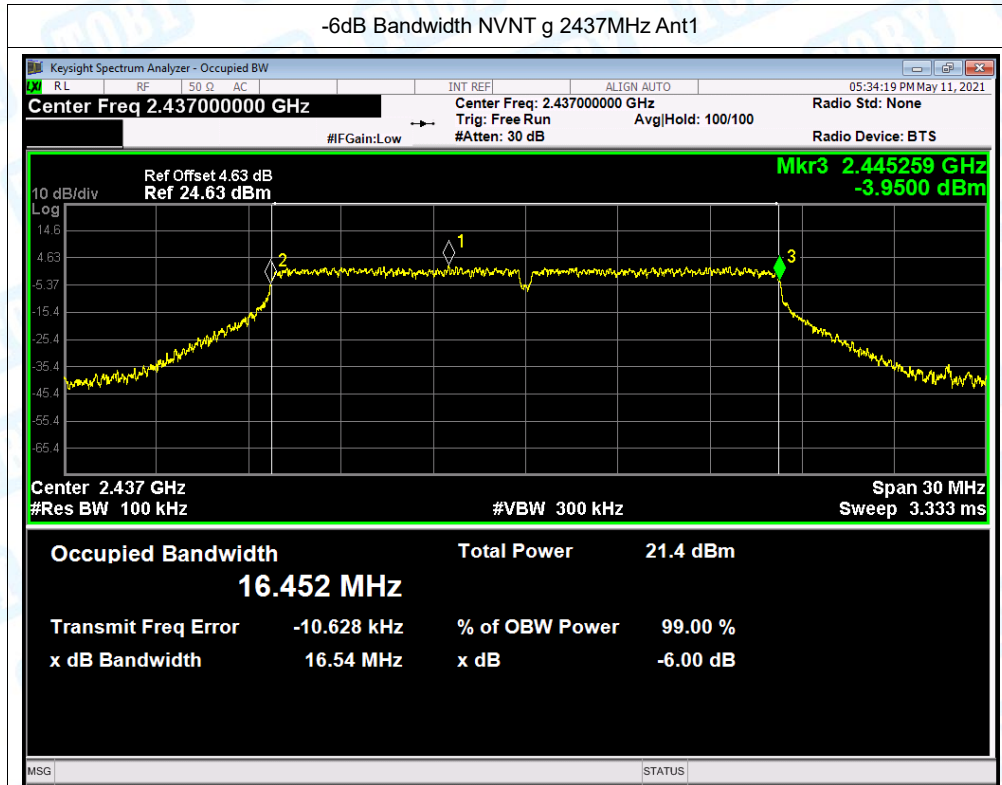
-6dB Bandwidth NVNT b 2412MHz Ant1



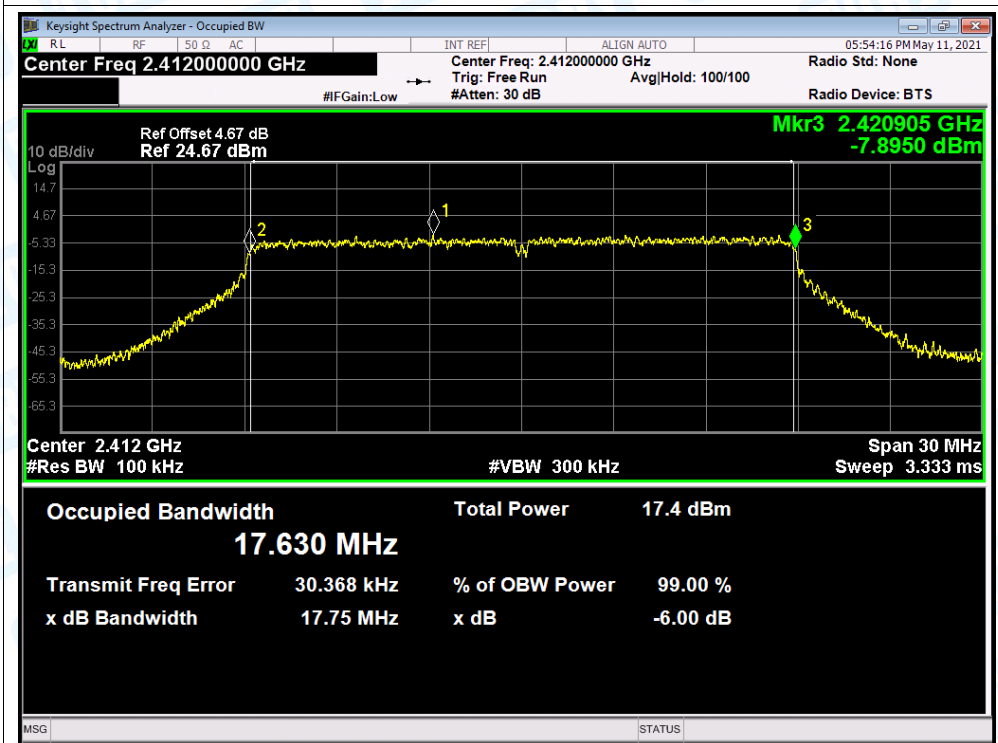
-6dB Bandwidth NVNT b 2437MHz Ant1



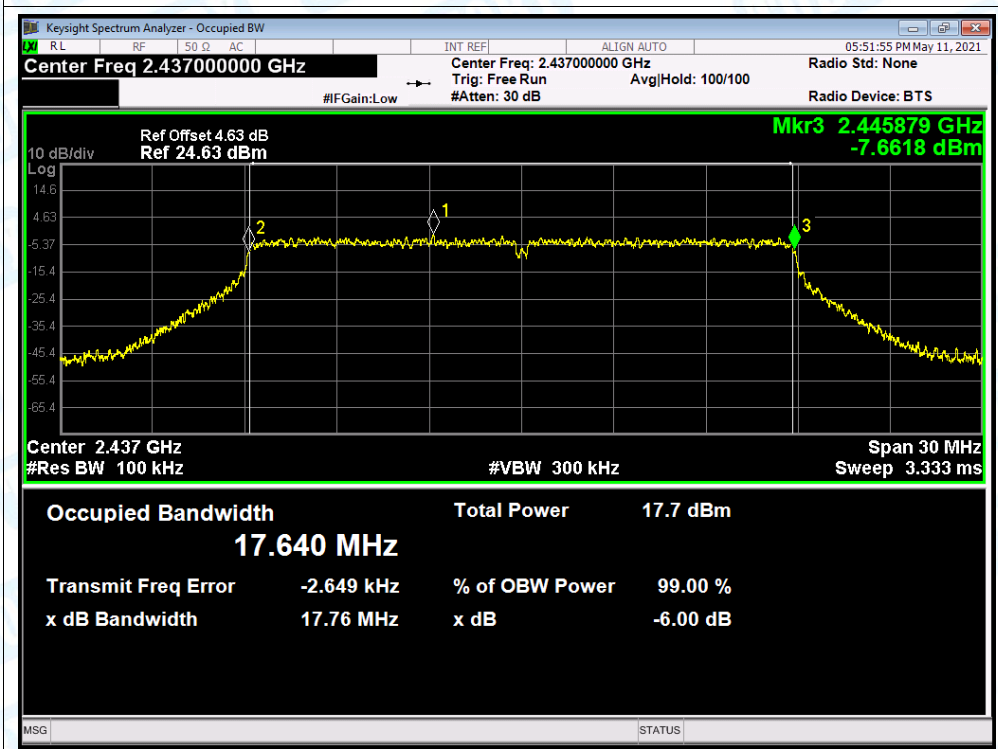




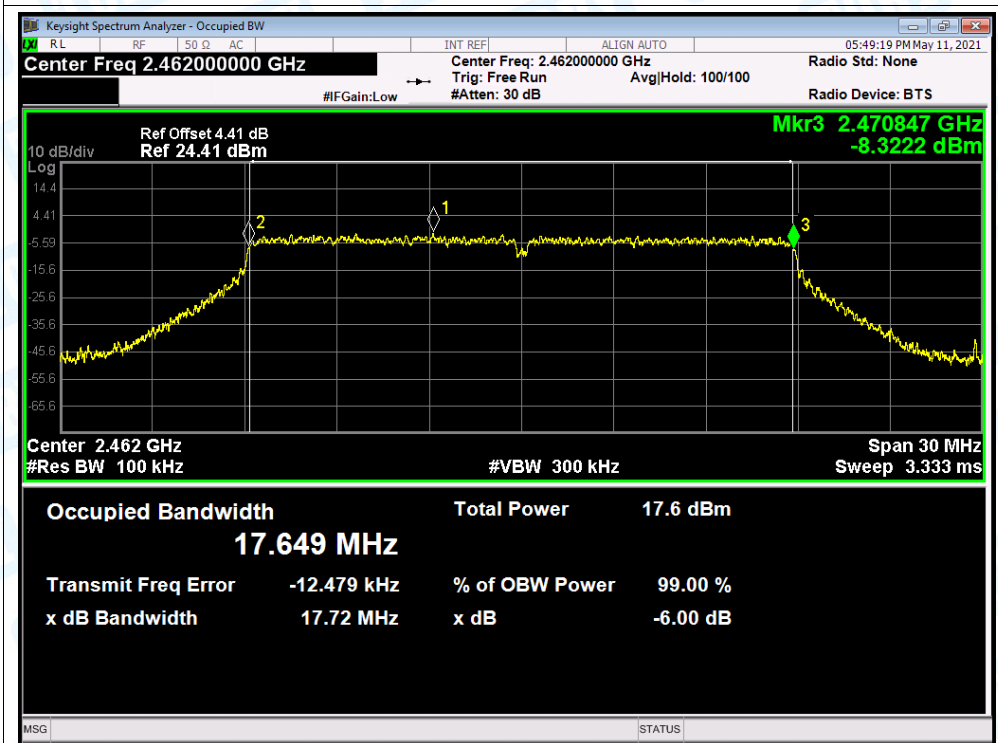
-6dB Bandwidth NVNT n(HT20) 2412MHz Ant1



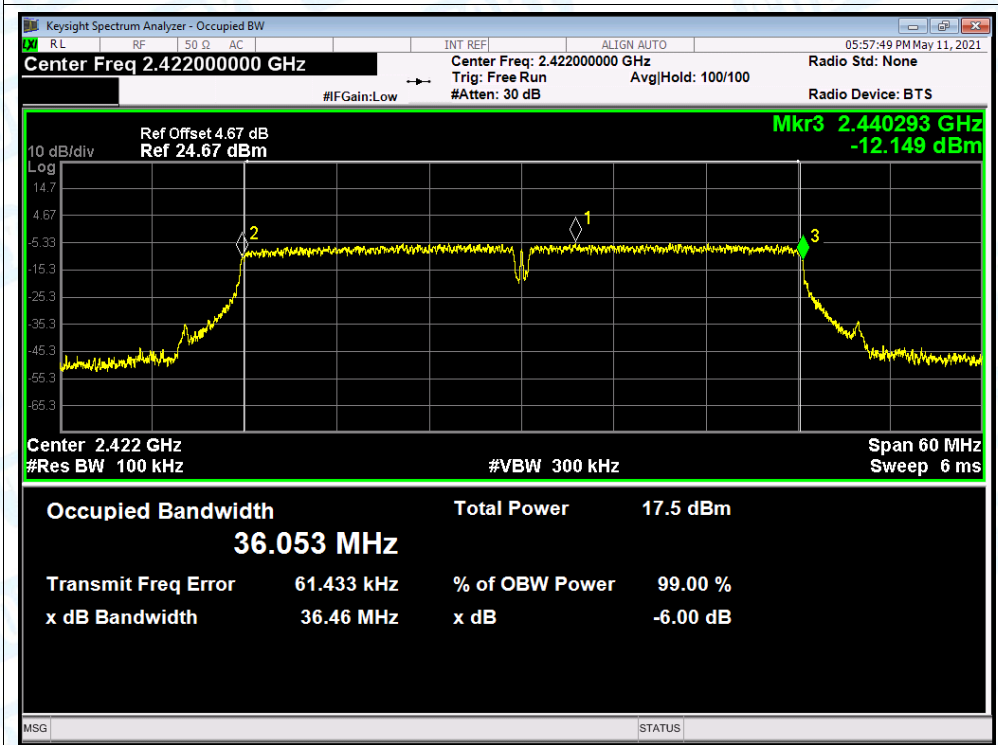
-6dB Bandwidth NVNT n(HT20) 2437MHz Ant1



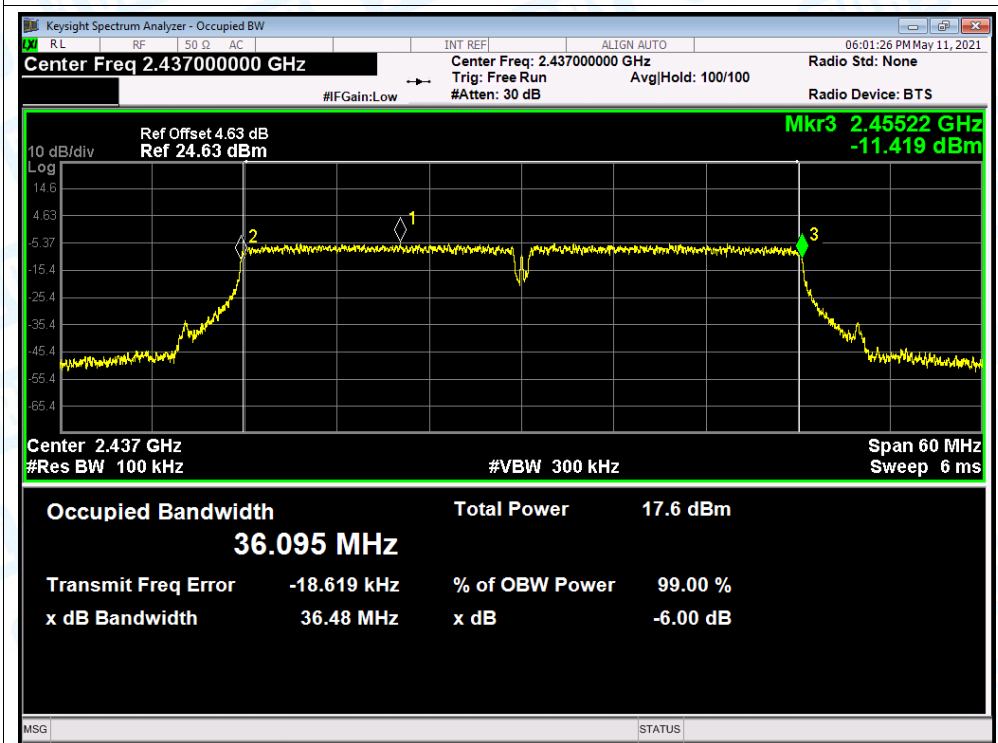
-6dB Bandwidth NVNT n(HT20) 2462MHz Ant1



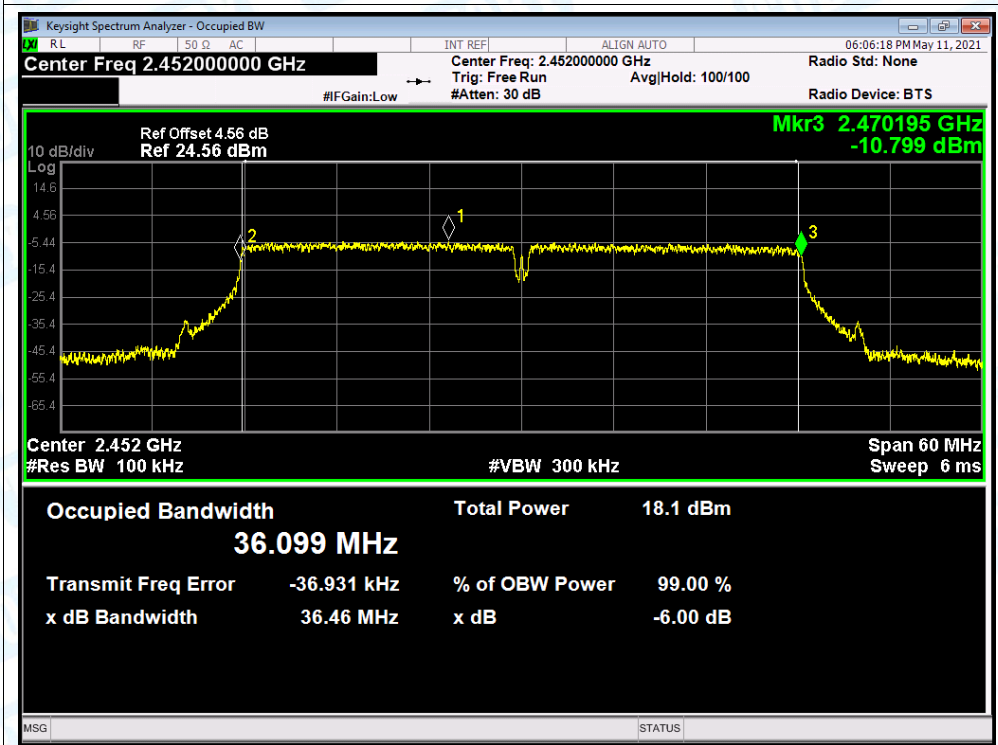
-6dB Bandwidth NVNT n(HT40) 2422MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2437MHz Ant1



-6dB Bandwidth NVNT n(HT40) 2452MHz Ant1



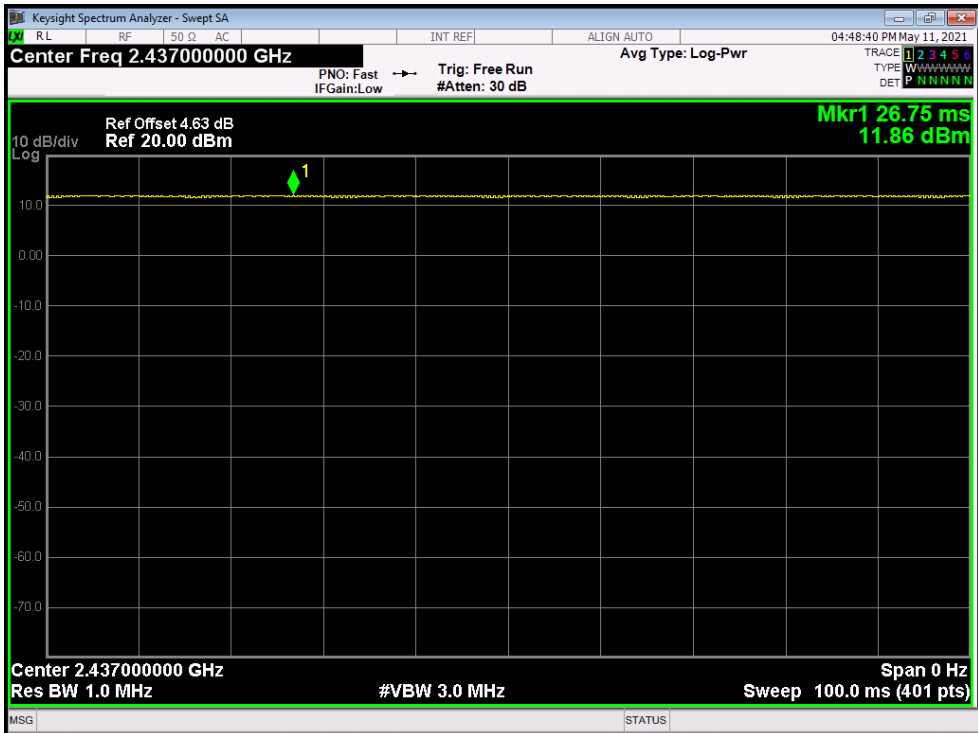
Attachment E-- Peak Output Power Test Data

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	10.77	30
	2437	10.37	
	2462	10.11	
802.11g	2412	15.83	
	2437	16.01	
	2462	15.36	
802.11n (HT20)	2412	11.92	
	2437	12.30	
	2462	12.13	
802.11n (HT40)	2422	11.97	
	2437	12.02	
	2452	12.52	
Result: PASS			

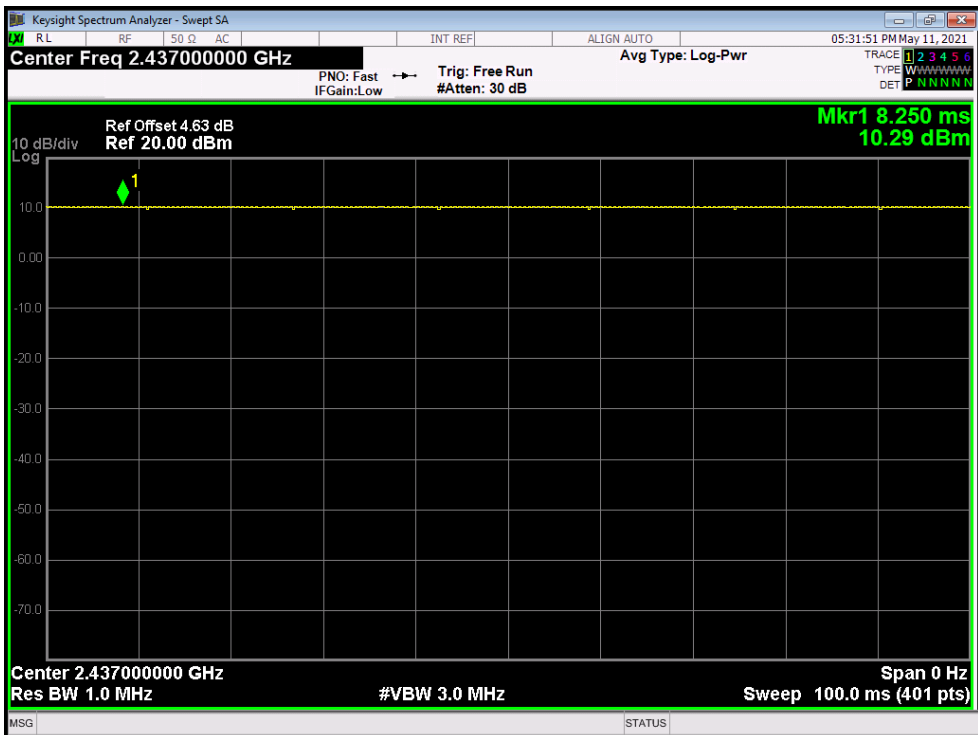
Duty Cycle		
Mode	Channel frequency (MHz)	Test Result
802.11b	2412	>98%
	2437	
	2462	
802.11g	2412	
	2437	
	2462	
802.11n (HT20)	2412	
	2437	
	2462	
802.11n (HT40)	2422	
	2437	
	2452	

Please see below plots

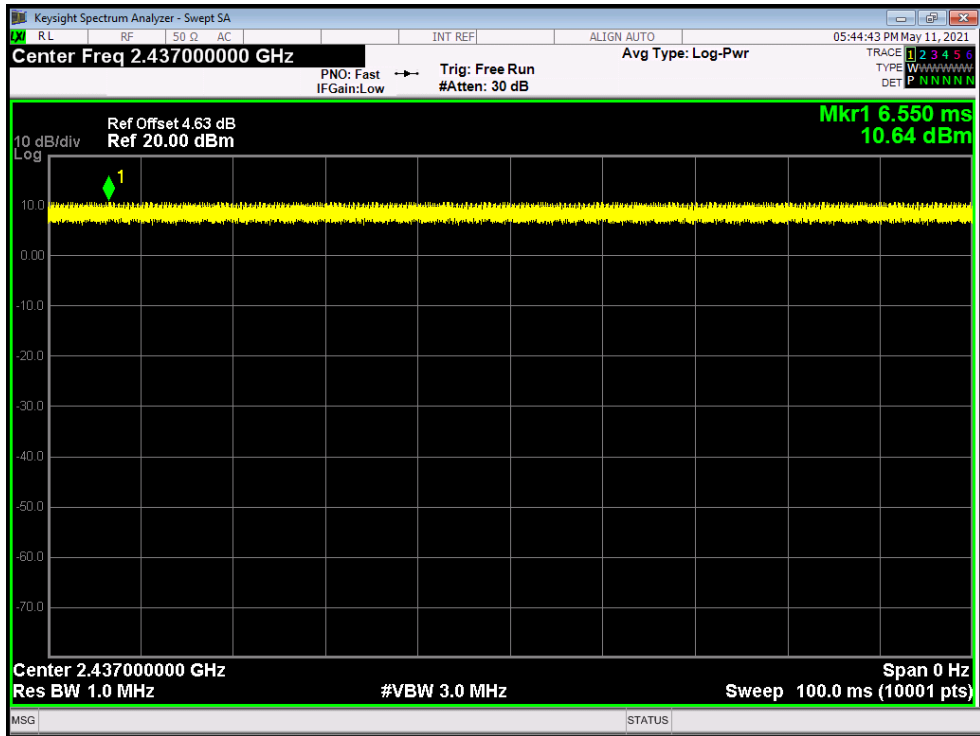
802.11b 2437MHz



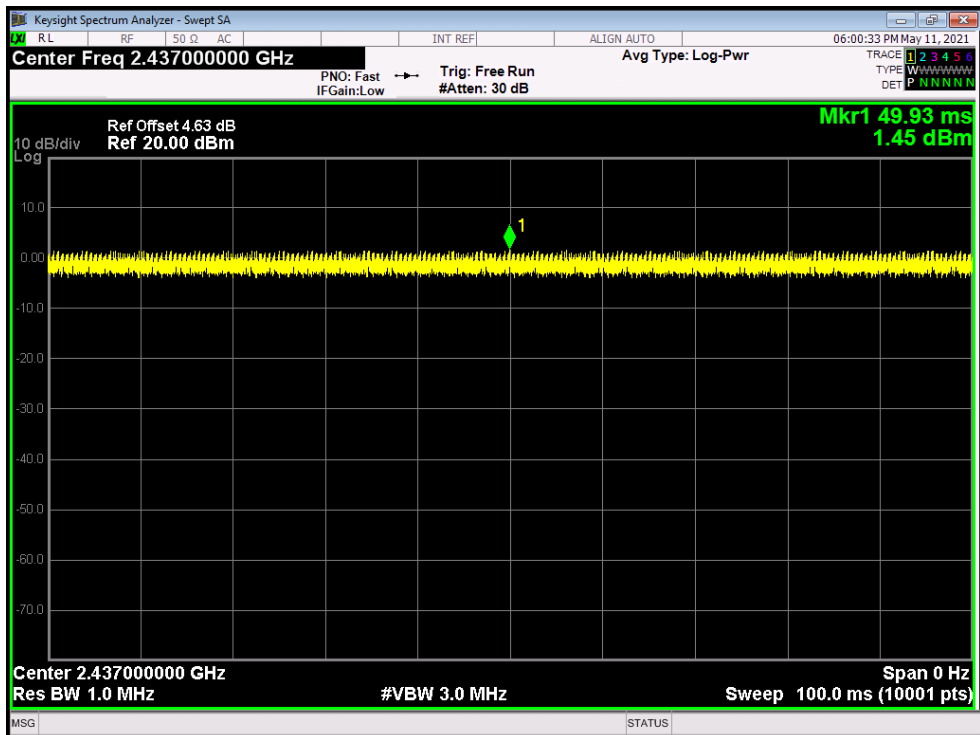
802.11g 2437MHz



802.11n(HT20) 2437MHz



802.11n(HT40) 2437MHz

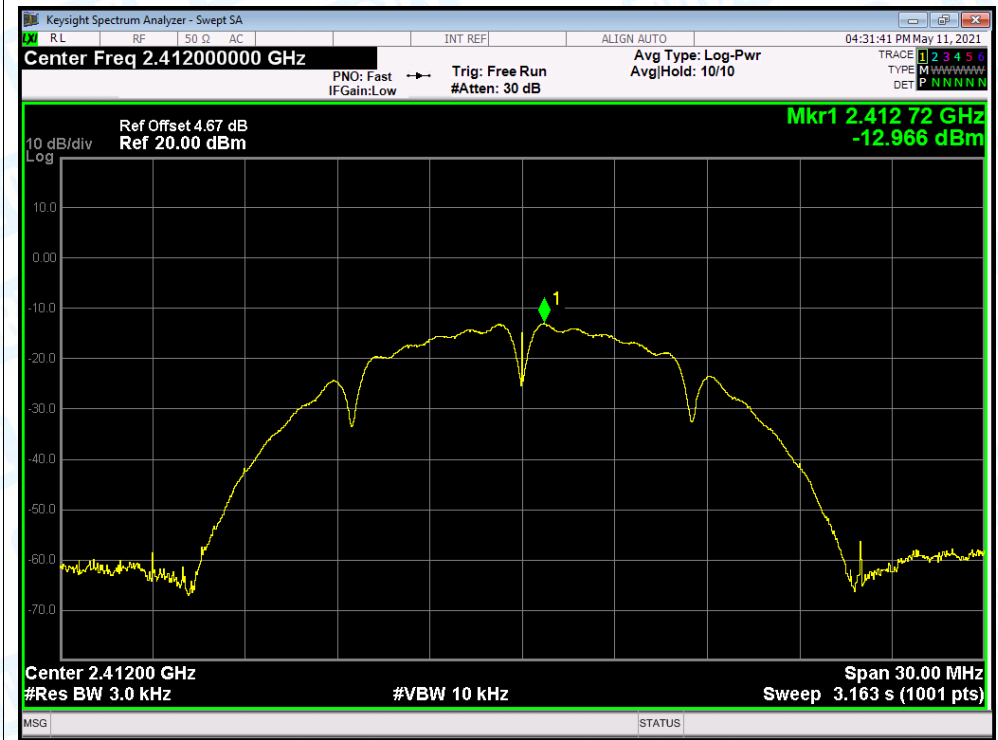


Attachment F-- Power Spectral Density Test Data

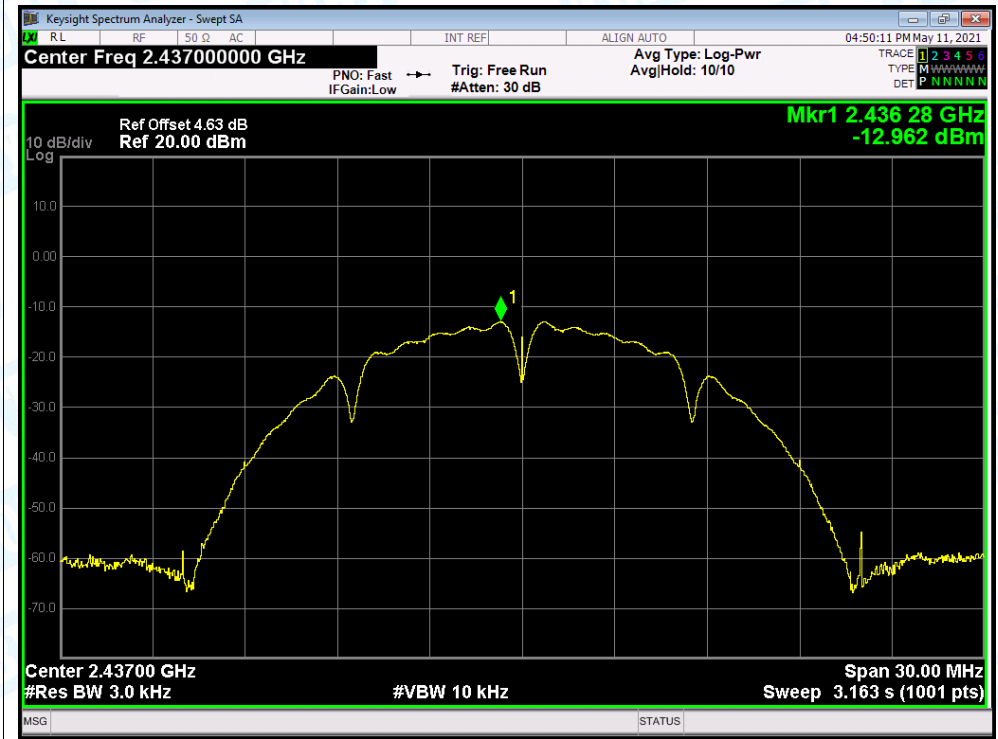
Condition	Mode	Frequency (MHz)	Max PSD (dBm/3KHz)	Limit (dBm/3KHz)	Verdict
NVNT	b	2412	-12.966	8	Pass
NVNT	b	2437	-12.962	8	Pass
NVNT	b	2462	-15.735	8	Pass
NVNT	g	2412	-10.032	8	Pass
NVNT	g	2437	-11.249	8	Pass
NVNT	g	2462	-12.361	8	Pass
NVNT	n(HT20)	2412	-9.922	8	Pass
NVNT	n(HT20)	2437	-11.204	8	Pass
NVNT	n(HT20)	2462	-12.362	8	Pass
NVNT	n(HT40)	2422	-9.45	8	Pass
NVNT	n(HT40)	2437	-11.793	8	Pass
NVNT	n(HT40)	2452	-12.208	8	Pass

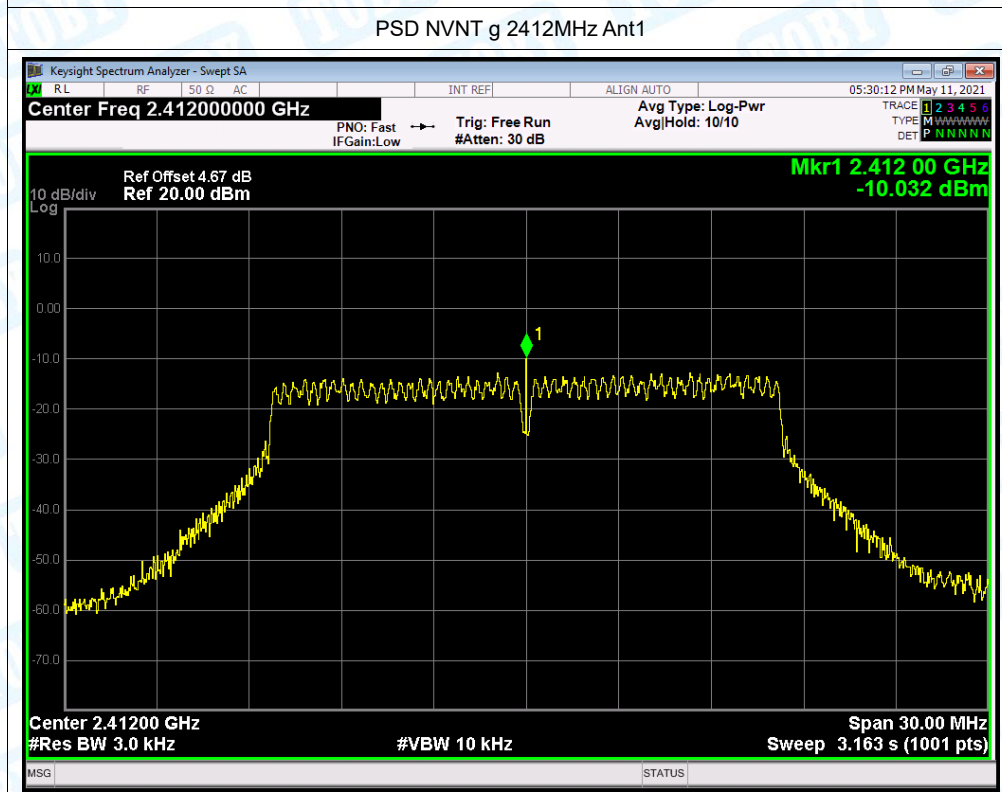
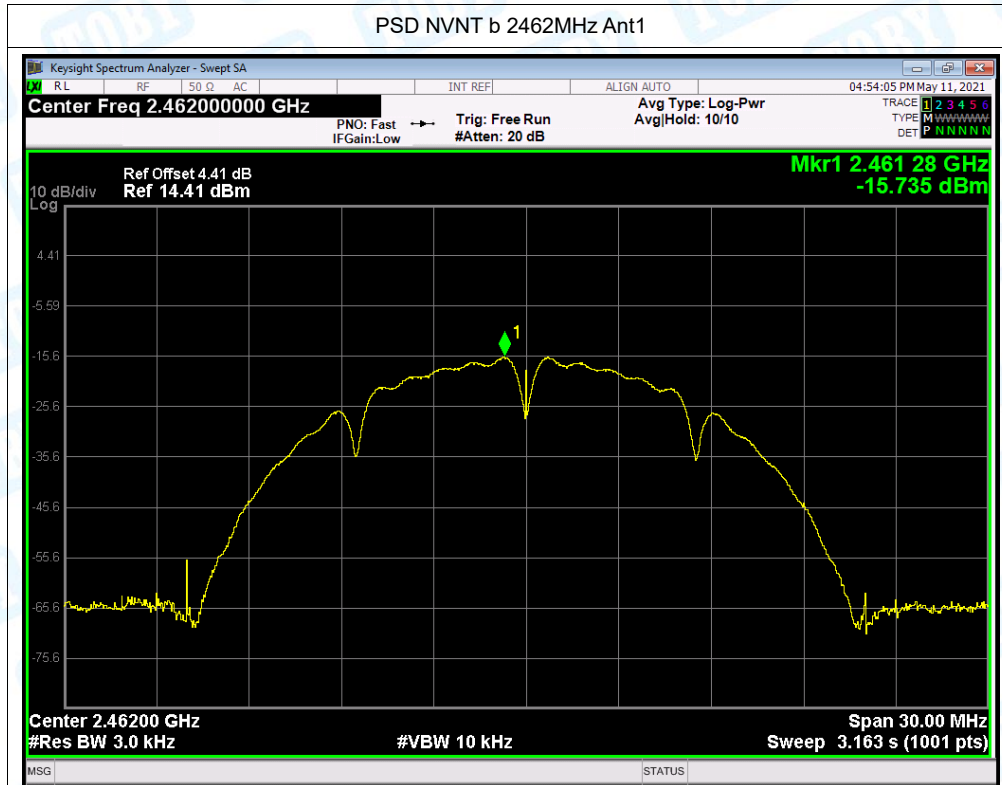
Test Graphs

PSD NVNT b 2412MHz Ant1

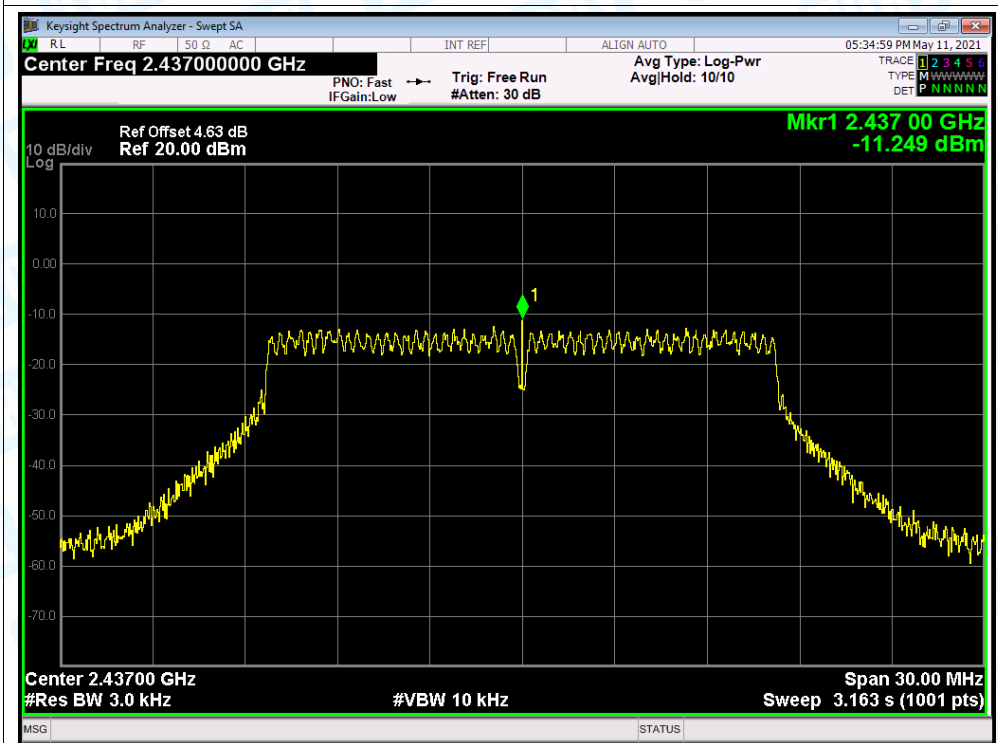


PSD NVNT b 2437MHz Ant1

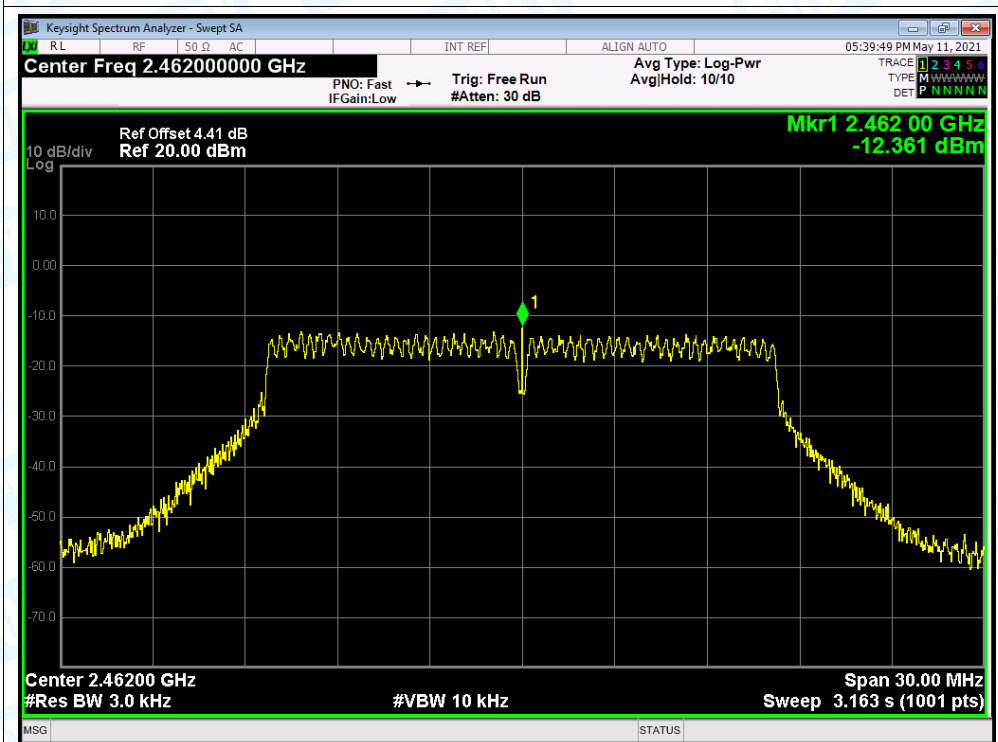




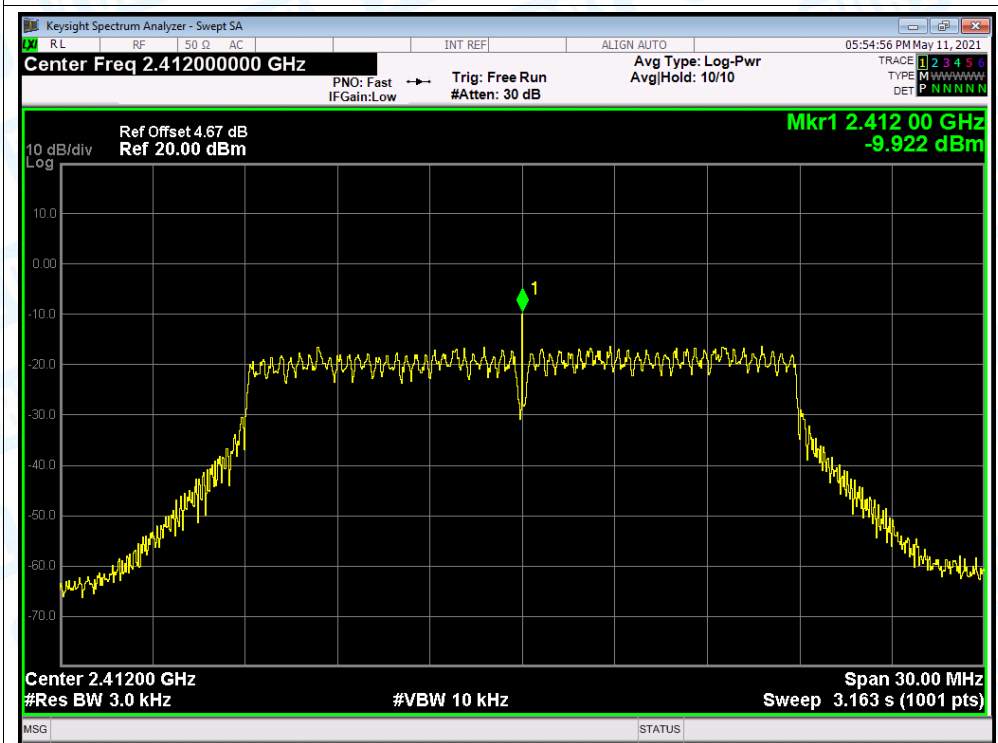
PSD NVNT g 2437MHz Ant1



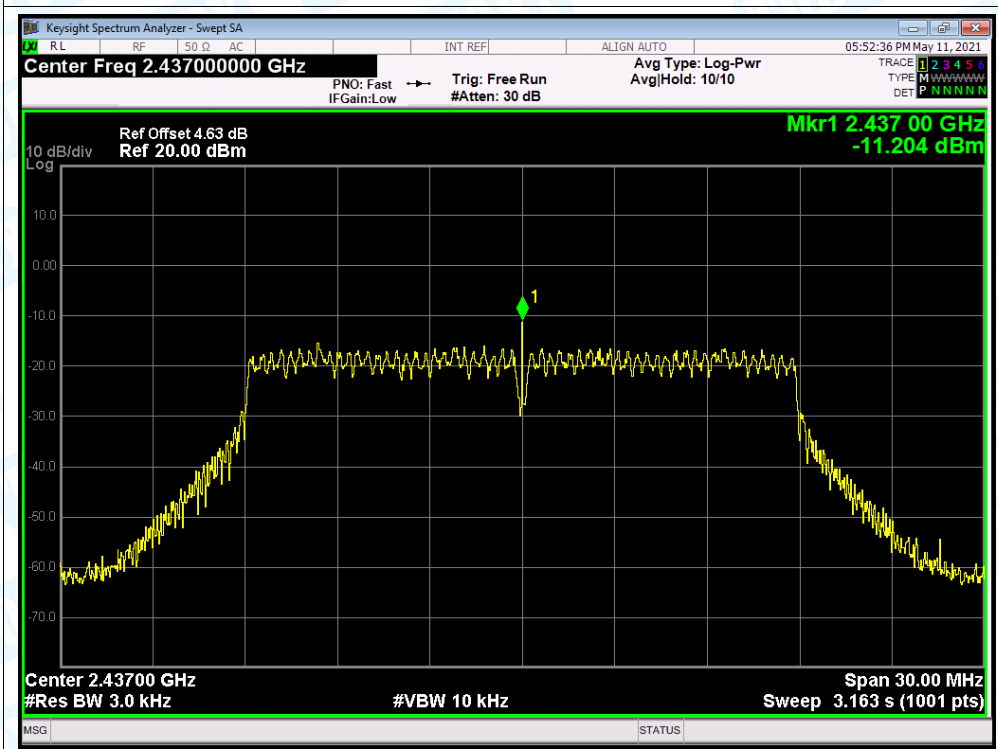
PSD NVNT g 2462MHz Ant1

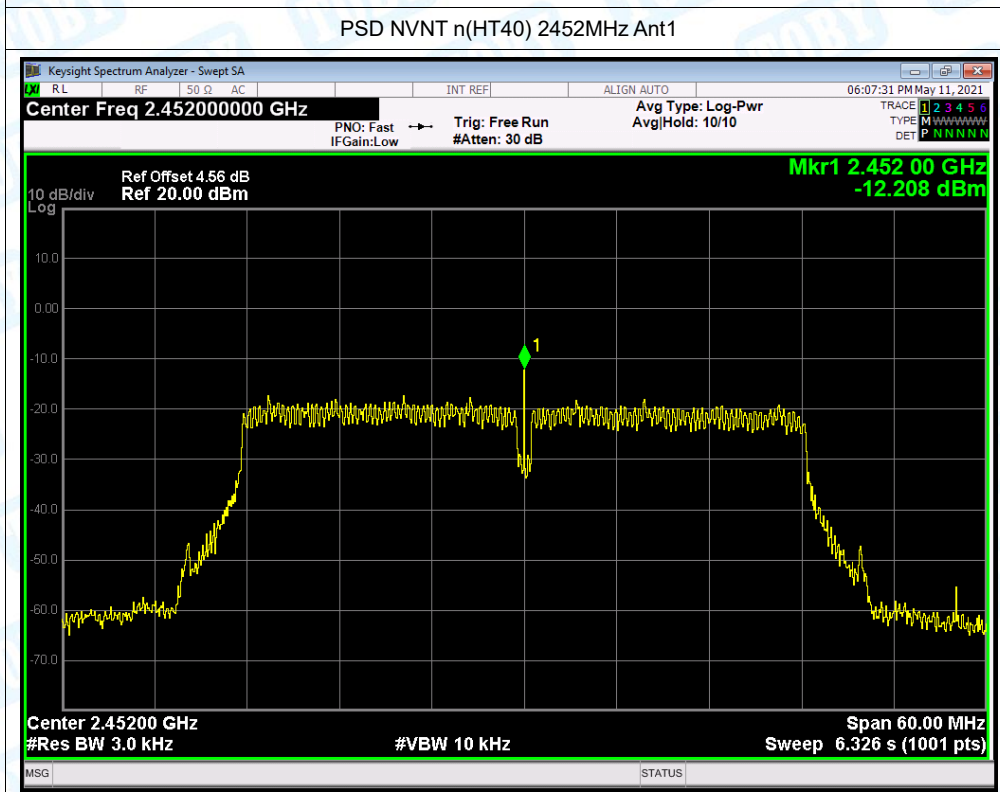
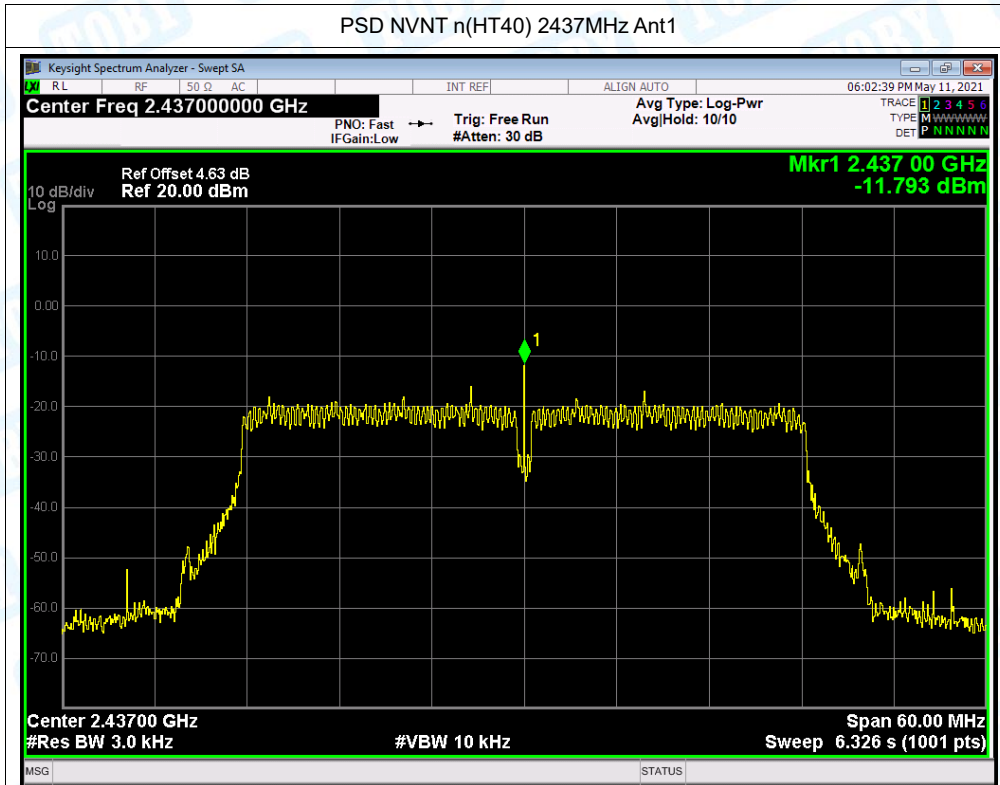


PSD NVNT n(HT20) 2412MHz Ant1



PSD NVNT n(HT20) 2437MHz Ant1





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