

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT



Applicant: Silex Technology, Inc.
2-3-1 Hikaridai, Seika-cho, Soraku-gun, Kyoto 619-0237, Japan

Product Name: Embedded wireless module

Brand Name: Silex Technology

Model No.: SX-SDMAC

Model Difference: N/A

Report Number: ER/2021/60011

FCC ID N6C-SDMAC

IC: 4908A-SDMAC

Issue Date: Aug. 05, 2021

Date of Test: Jun. 23, 2021 ~ Jul. 02, 2021

Date of EUT Received: Jun. 04, 2021

Approved By

Blue Yang

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT comply with FCC rule part §15.247, ISSED RSS-247.

The results of this report relate only to the sample identified in this report.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History

Report Number	Revision	Description	Issue Date	Revised By
ER/2021/60011	00	Original.	Aug. 05, 2021	Karen Huang

Note:

This device is adding one new antenna, so the radiated emission spot check is performed to demonstrate compliance in this report.

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1 GENERAL INFORMATION

1.1 Product description

Product Name:	Embedded wireless module
Brand Name:	Silex Technology
Model No.:	SX-SDMAC
Model Difference:	N/A
Hardware Version:	N/A
Firmware Version:	SD-330AC-YD 1.0
Class II Permissive change:	Adding new antenna with same type and lower gain on module.
Power Supply:	3.3 VDC from Power supply

1.2 RF Specification

Wi-Fi 802.11	Frequency Range	Channels	Modulation Technology
b	2412-2462	11	DSSS
g			OFDM
n_HT20			
n_HT40	2422-2452	7	
Modulation type:	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM		
Transistion Rate	802.11 b: 1/2/5.5/11 Mbps 802.11 g: 6/9/12/18/24/36/48/54 Mbps 802.11 n_HT20MHz: 6.5 – 72.2 Mbps 802.11 n_HT40MHz: 13.5 - 150.0 Mbps		

1.3 Antenna Designation

Antenna Type	Freq.	Peak Antenna Gain (dBi)	Worst Antenna Gain
Rod Antenna	2.4GHz	2.14	-
Note: 1. Antenna information is provided by the applicant.			

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1.4 Test Methodology of Applied Standards

FCC Part 15, Subpart C §15.247

FCC KDB 558074 D01 DTS Meas. Guidance v05r02

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

RSS-247 issue 2 Feb. 2017

RSS-Gen Issue 5, Amendment 2, February 2021

ANSI C63.10:2013

1.5 Test Facility

Laboratory	Test Site Address	Test Site Name	FCC Designation number	IC CAB identifier
SGS Taiwan Ltd. Central RF Lab. (TAF code 3702)	No.134, Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan.	SAC 1	TW0027	TW3702
		SAC 3		
		Conduction 1		
		Conducted 1		
		Conducted 2		
		Conducted 3		
		Conducted 4		
		Conducted 5		
		Conducted 6		
		Conducted 7		
		Conducted 8		
		Conducted 9		
		Conducted 10		
	No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333	Conduction A	TW0028	
		SAC C		
		SAC D		
		SAC E		
		Conducted A		
		Conducted B		
		Conducted C		
		Conducted D		
		Conducted E		
		Conducted F		
		Conducted G		
		Conducted H		
		Conducted I		
		Conducted J		
		Conducted TS8997		
Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.				

1.6 Special Accessories

There are no special accessories used while test was conducted.

1.7 Equipment Modifications

There was no modification incorporated into the EUT.

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2 SYSTEM TEST CONFIGURATION

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

2.3 Test Procedure

2.3.1 Radiated Emissions

The EUT is placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

2.4 Measurement Results Explanation Example

2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m*9m*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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2.5 Configuration of Tested System

Fig. 2-1 Radiated Emission configuration

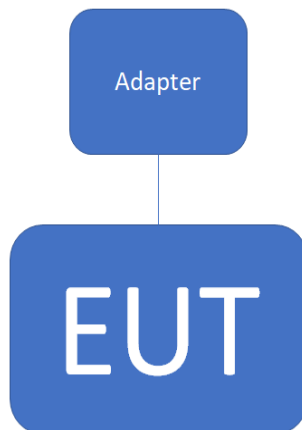


Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	WLAN Test Software	N/A	N/A	N/A	N/A	N/A

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3 SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§15.247(d) §15.209	RSS-247 §5.5 RSS-Gen §8.9 RSS-Gen §8.10 RSS-Gen §6.13	Radiated Band Edge & Radiated Spurious Emission	Compliant

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4 DESCRIPTION OF TEST MODES

4.1 Operated in 2400 ~ 2483.5MHz Band

11 channels are provided for 802.11b/g/n 20M.

CHANNEL	FREQUENCY (MHz)
1	2412
2	2417
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452
10	2457
11	2462

7 channels are provided for 802.11n 40M

CHANNEL	FREQUENCY (MHz)
3	2422
4	2427
5	2432
6	2437
7	2442
8	2447
9	2452

4.2 The Worst Test Modes and Channel Details

1. The EUT has been tested under operating condition.
2. aTest program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
3. Investigation has been done on all the possible configurations for searching the worst case.

The given UE is pre-scanned among below modes.

Modulation	Transmission Chain					Multiple Transmission Spatial
☒ 802.11 b	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3		☐ 2TX
☒ 802.11 g	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3		☐ 2TX
☒ 802.11 n	☒ Ch0	☐ Ch1	☐ Ch2	☐ Ch3		☐ MIMO
☐ 802.11 ax	☐ Ch0	☐ Ch1	☐ Ch2	☐ Ch3		☐ MIMO

4. Therefore, below summary is the modes of test configuration that yield the highest reading and generate the highest emission chosen to carry out the relevantly mandatory test items.

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4.3 Radiated Emission Test:

RADIATED EMISSION TEST (BELOW 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11g	1 to 11	6	OFDM	6	ch0

RADIATED EMISSION TEST (ABOVE 1 GHz)					
MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION	DATA RATE (Mbps)	ANTENNA PORT
802.11b	1 to 11	1,6,11	DSSS	1	ch0
802.11g	1 to 11	1,6,11	OFDM	6	ch0
802.11n (HT20)	1 to 11	1,6,11	OFDM	MCS0	ch0
802.11n (HT40)	3 to 9	3,6,9	OFDM	MCS0	ch0

Note: The field strength of radiation emission was measured as EUT three orthogonal planes, E1 / E2 / H, are positioned to pre-scan the emission generating the highest one. The worst position is tested and recorded.

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5 MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
AC Power Line Conducted Emission	+/- 2.34 dB
Peak Output Power	+/- 1 dB
Emission Bandwidth	+/- 1.53 Hz
100 kHz Bandwidth Of Frequency Band Edges	+/- 1.69 dB
Peak Power Density	+/- 1.53 dB
Temperature	+/- 0.4 °C
Humidity	+/- 3.5 %
DC / AC Power Source	+/- 1 %

Radiated Spurious Emission Measurement Uncertainty		
Polarization: Vertical	+/- 2.64 dB	9kHz~30MHz
	+/- 4.93 dB	30MHz - 1000MHz
	+/- 4.81 dB	1GHz - 18GHz
	+/- 4.52 dB	18GHz - 40GHz
Polarization: Horizontal	+/- 2.64 dB	9kHz~30MHz
	+/- 4.45 dB	30MHz - 1000MHz
	+/- 4.81 dB	1GHz - 18GHz
	+/- 4.52 dB	18GHz - 40GHz

Note:

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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6 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

6.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBμV/m) = 20 log Emission level (dBμV/m)

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6.2 Measurement Equipment Used:

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	SCHWARZ-BECK	BBHA9170	184	12/11/2020	12/10/2021
Site Cal	SGS	SAC I chamber	N/A	01/01/2021	12/31/2021
Horn Antenna	SCHWARZ-BECK	BBHA9120D	D803	12/17/2020	12/16/2021
Bi-log Antenna	TESEO	CBL 6112D	35242 & AT-N0555	01/13/2021	01/12/2022
Loop Antenna	ETS.LIND-GREN	6502	148045	10/19/2020	10/18/2021
Spectrum Analyzer	Agilent	E4446A	MY51100003	10/29/2020	10/28/2021
Test Software	audix	e3	Ver. 6.11-20180413	01/01/2021	12/31/2021
EMI Test Receiver	R&S	ESCI 7	100759	07/13/2020	07/12/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	12/16/2020	12/15/2021
Pre-Amplifier	HP	8449B	3008A01973	12/16/2020	12/15/2021
Pre-Amplifier	HP	8447D	2944A09469	12/16/2020	12/15/2021
Attenuator	Mini-Circuit	BW-S10W2+	4	12/16/2020	12/15/2021
Bandreject Filter 2400-2483.5	EWT	EWT-14-0166	M1	12/16/2020	12/15/2021
3.2GHz High Pass Filter	WI	WHKX10-2624-80SS	3	04/20/2021	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 102	MY2622/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	succoflex 104A	800086/4a	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	EMC 104-SM-SM-2000	160123	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY2630/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	MY22962/2	12/16/2020	12/15/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 102	SN 520430/2	12/16/2020	12/15/2021

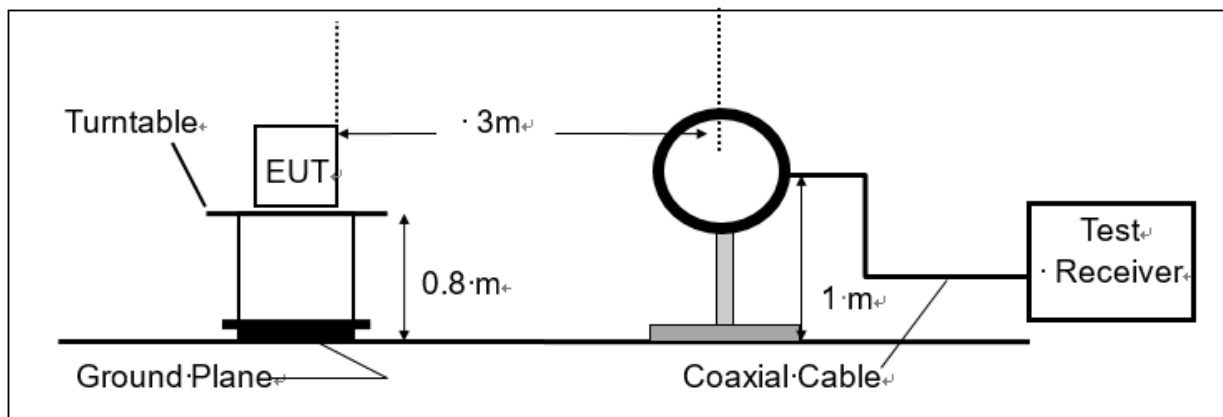
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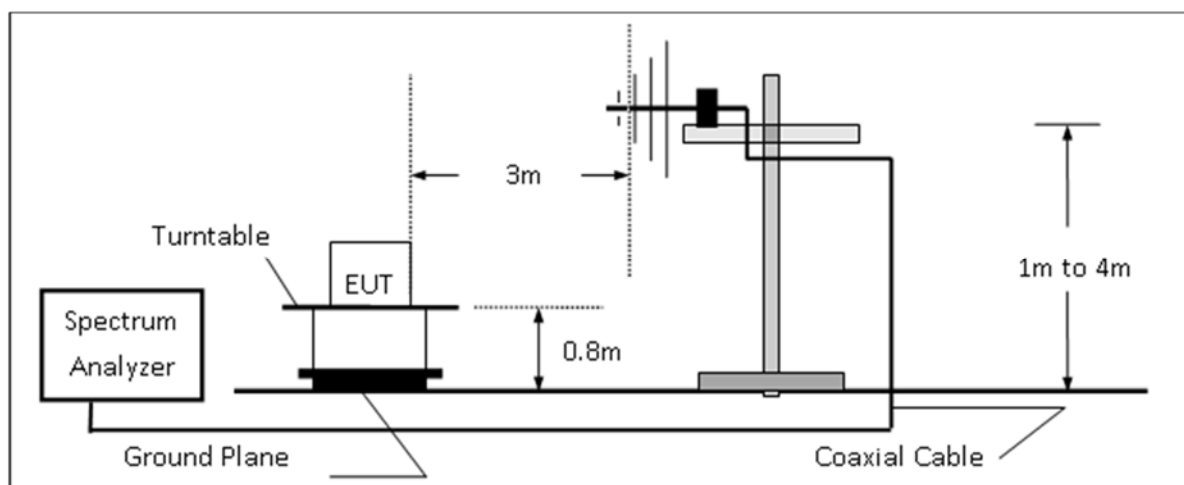
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6.3 Test SET-UP

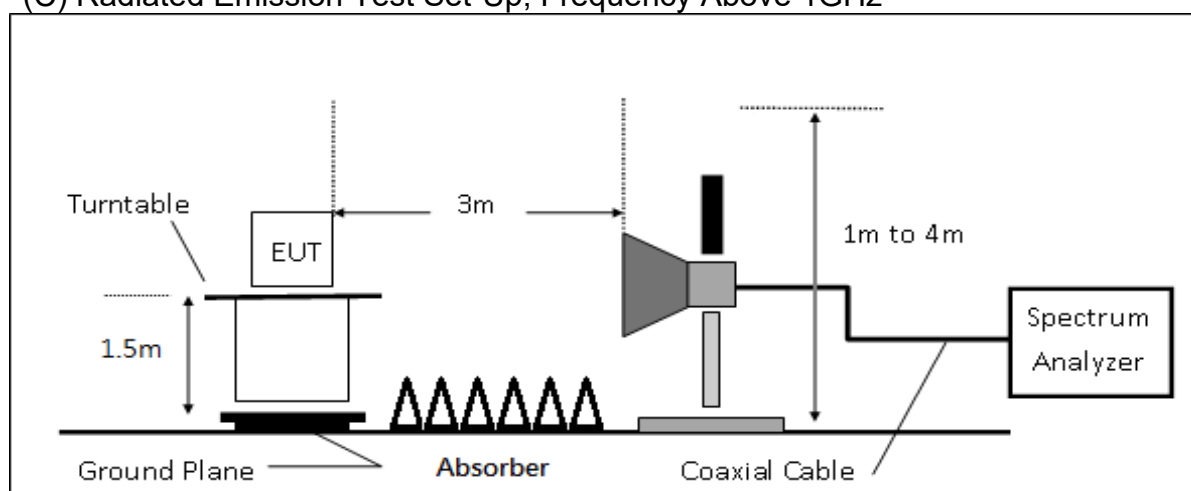
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz



(C) Radiated Emission Test Set-Up, Frequency Above 1GHz



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6.4 Measurement Procedure

1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.
6. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
9. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
12. Repeat above procedures until all default test channel measured were complete.

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6.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS* = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(\mu V/m)$

Actual FS(dBμV/m) = SPA. Reading level(dBμV) + Factor(dB)

Factor(dB) = Antenna Factor(dBμV/m) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

6.6 Test Results of Radiated Spurious Emissions from 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

6.7 Measurement Result

Note:

1. Refer to next page spectrum analyzer data chart and tabular data sheets.
2. Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands

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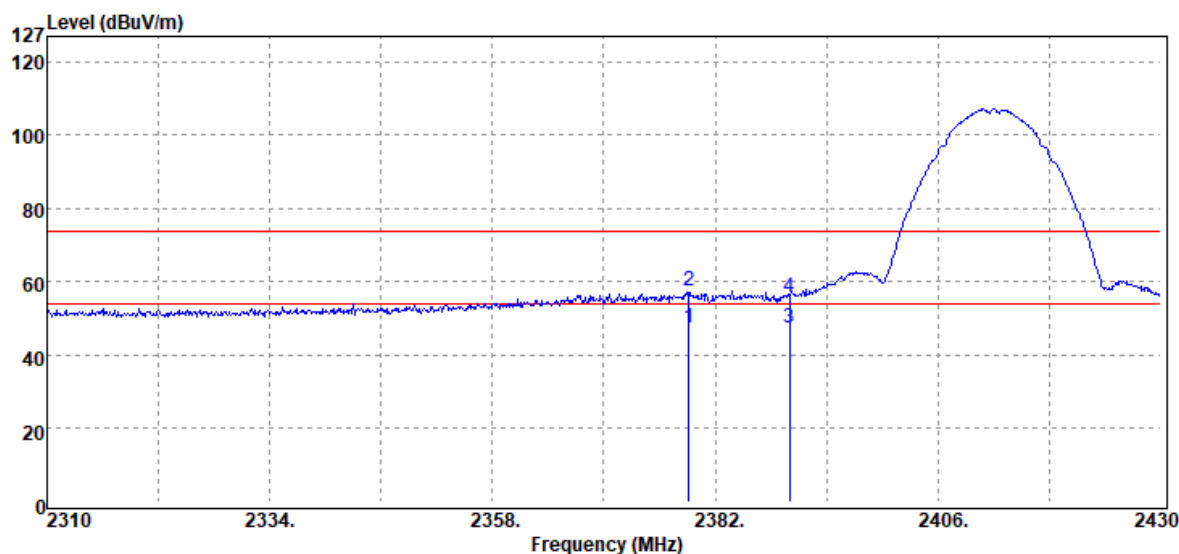
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6.7.1 Radiated Band Edge Measurement Result

Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2379.20	Average	47.41	-0.08	47.33	54.00	-6.67
2379.20	Peak	57.63	-0.08	57.55	74.00	-16.45
2390.00	Average	47.53	-0.12	47.41	54.00	-6.59
2390.00	Peak	55.94	-0.12	55.82	74.00	-18.18

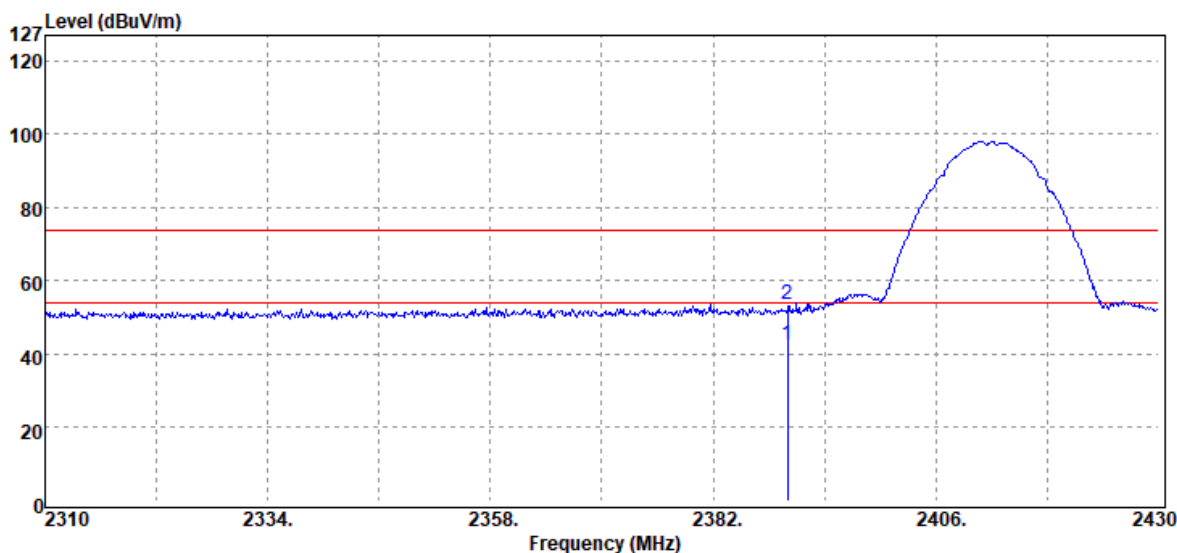
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	42.74	-0.12	42.62	54.00	-11.38
2390.00	Peak	53.80	-0.12	53.68	74.00	-20.32

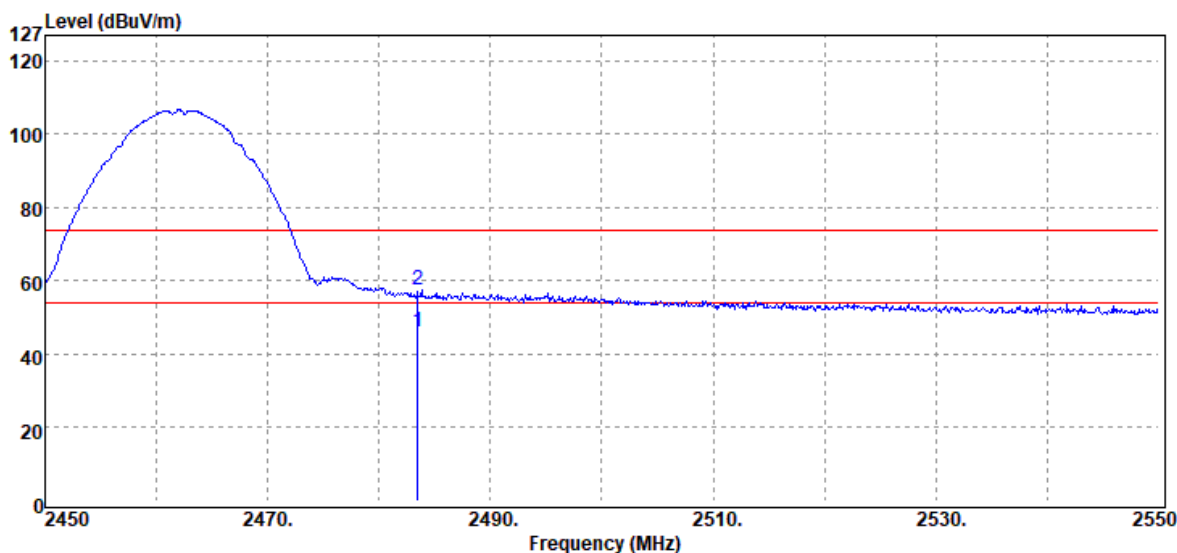
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	46.35	-0.16	46.19	54.00	-7.81
2483.50	Peak	57.54	-0.16	57.38	74.00	-16.62

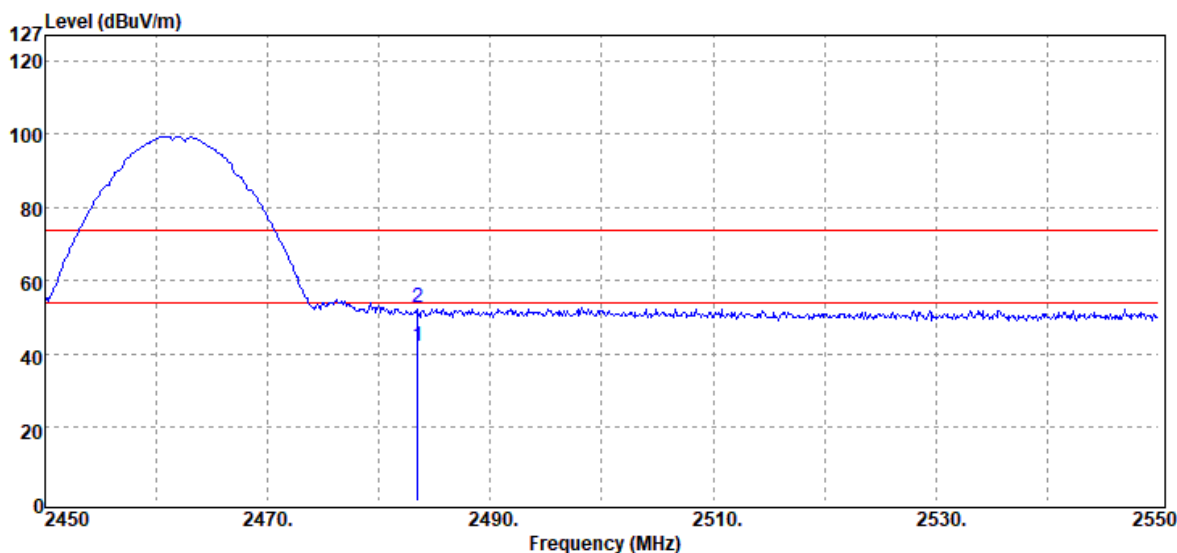
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 Test Mode :Bandedge CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	42.52	-0.16	42.36	54.00	-11.64
2483.50	Peak	52.75	-0.16	52.59	74.00	-21.41

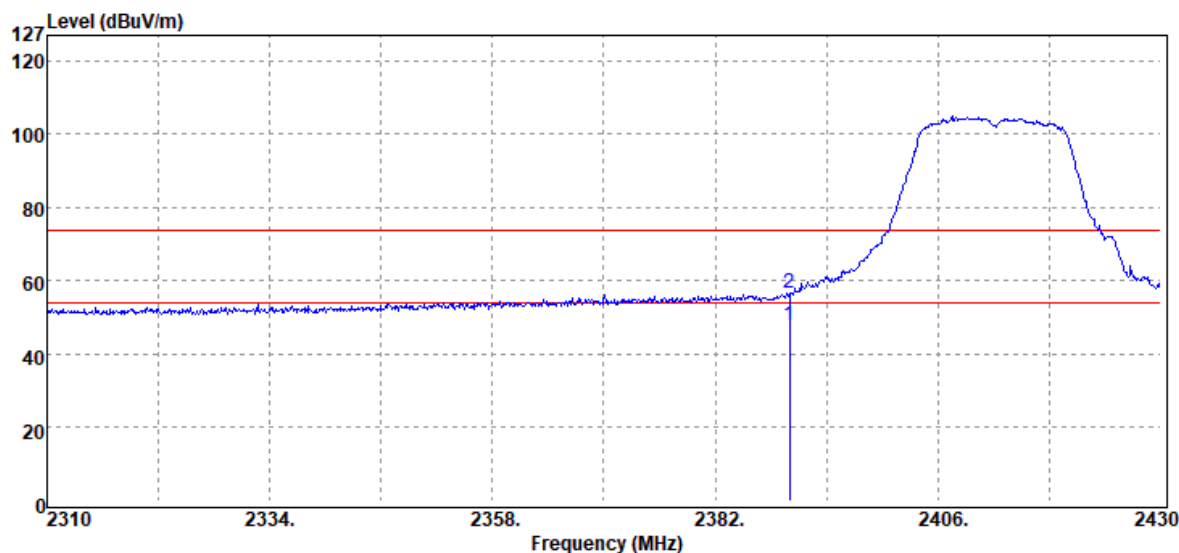
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	47.87	-0.12	47.75	54.00	-6.25
2390.00	Peak	56.62	-0.12	56.50	74.00	-17.50

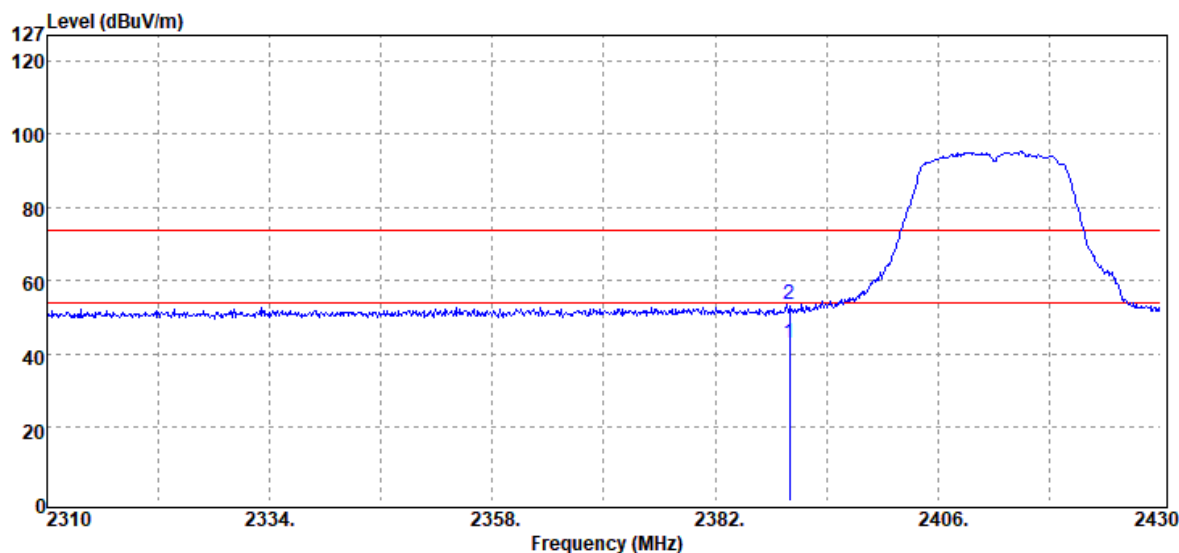
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 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	43.05	-0.12	42.93	54.00	-11.07
2390.00	Peak	53.58	-0.12	53.46	74.00	-20.54

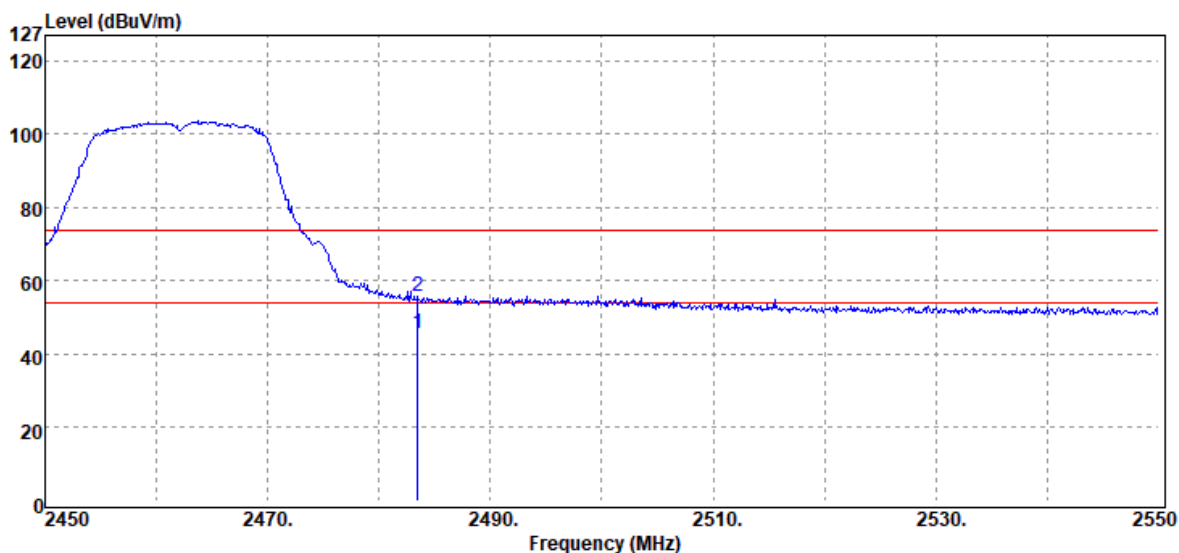
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 EUT Pol :H Plane

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 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	45.84	-0.16	45.68	54.00	-8.32
2483.50	Peak	55.89	-0.16	55.73	74.00	-18.27

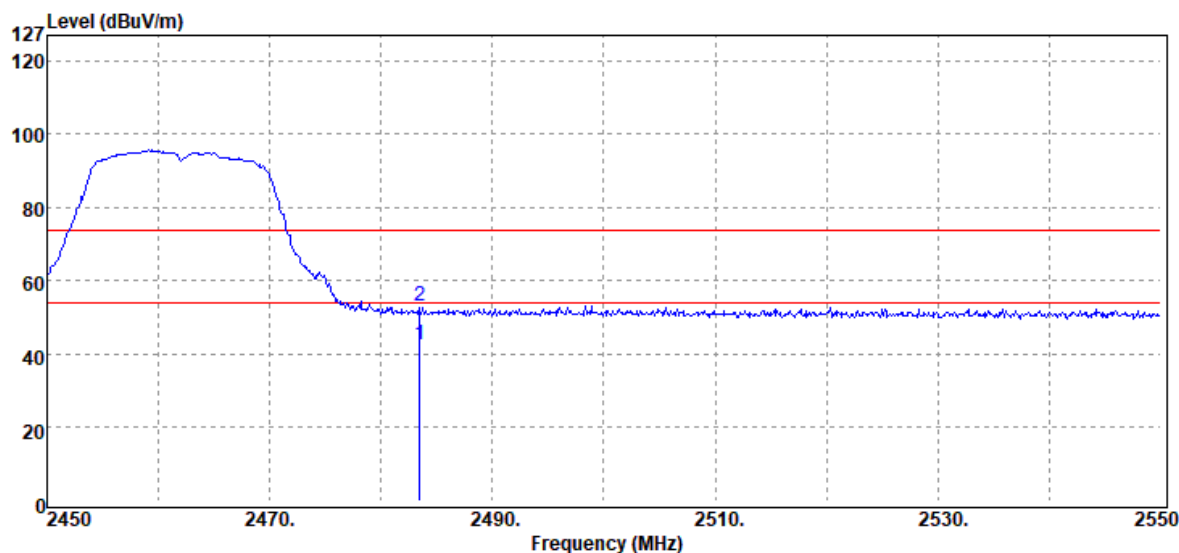
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Report Number :ER/2021/60011
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 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	42.61	-0.16	42.45	54.00	-11.55
2483.50	Peak	53.33	-0.16	53.17	74.00	-20.83

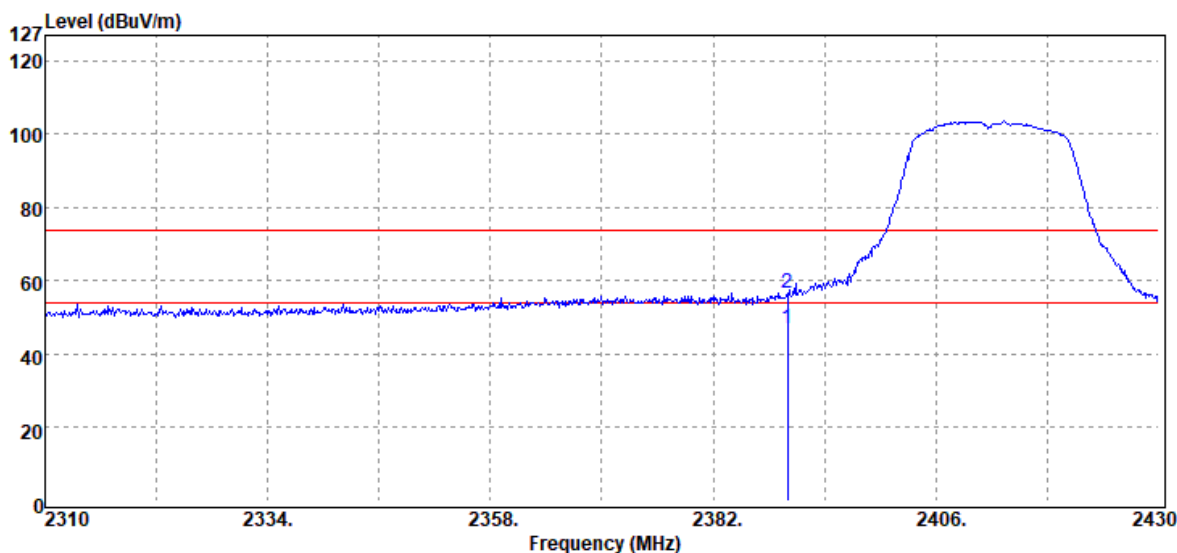
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	47.19	-0.12	47.07	54.00	-6.93
2390.00	Peak	56.70	-0.12	56.58	74.00	-17.42

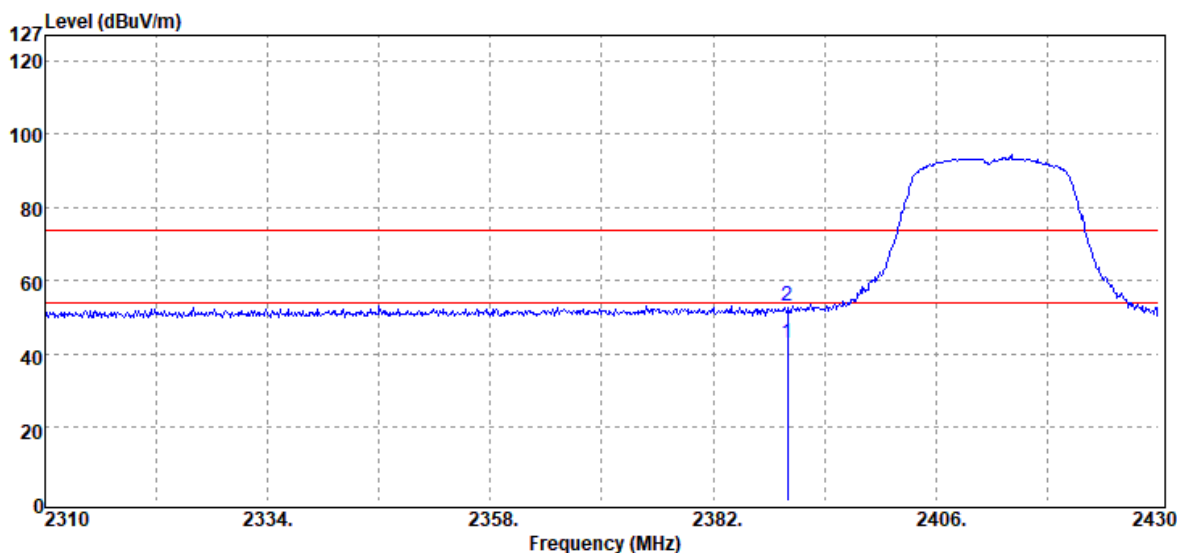
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	43.03	-0.12	42.91	54.00	-11.09
2390.00	Peak	53.35	-0.12	53.23	74.00	-20.77

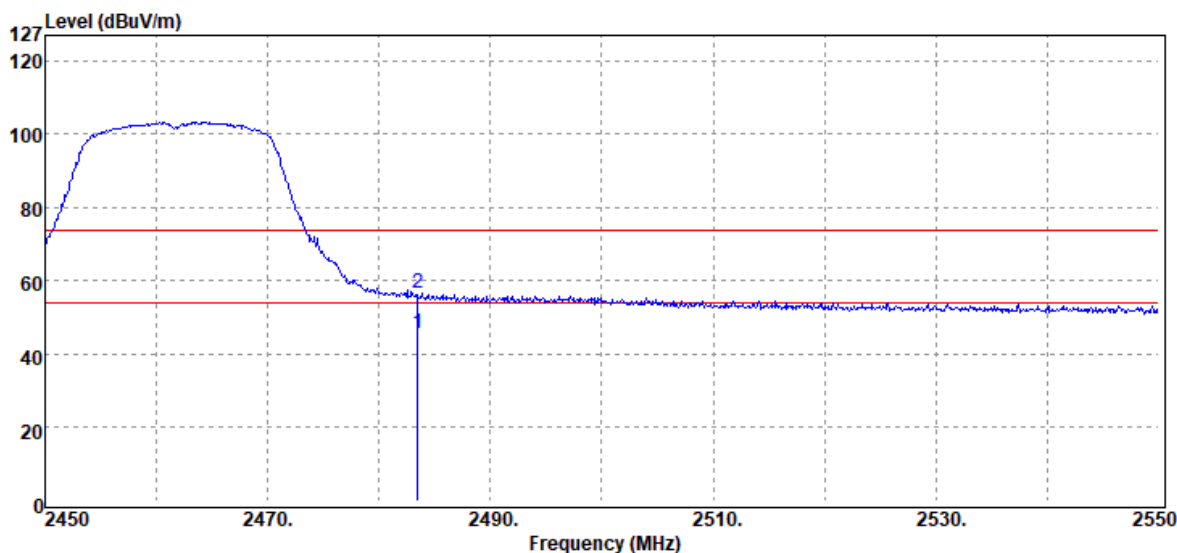
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	45.97	-0.16	45.81	54.00	-8.19
2483.50	Peak	56.93	-0.16	56.77	74.00	-17.23

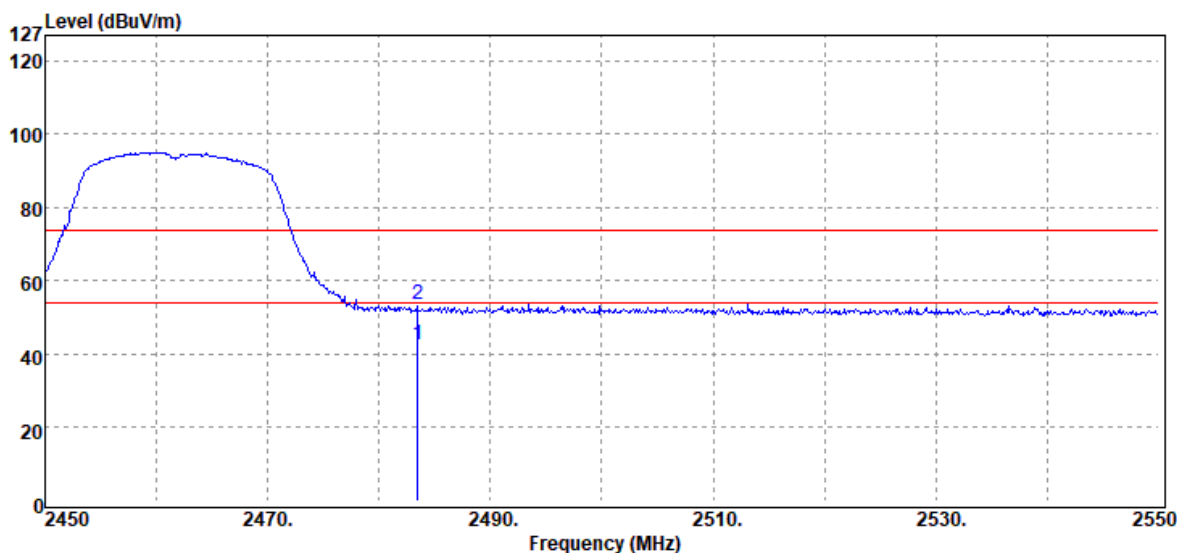
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	42.64	-0.16	42.48	54.00	-11.52
2483.50	Peak	53.70	-0.16	53.54	74.00	-20.46

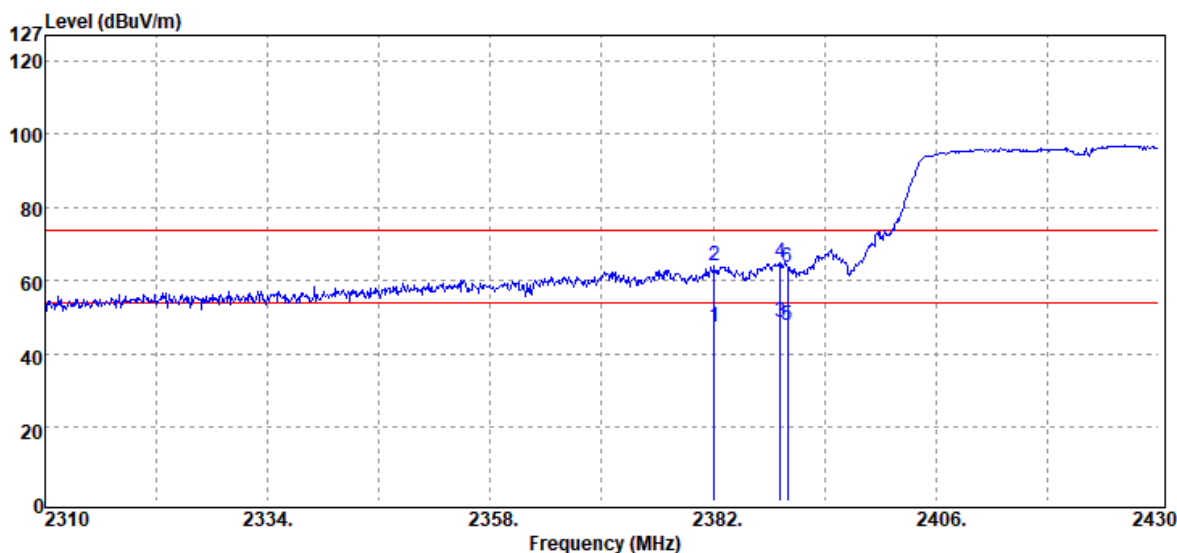
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq. MHz	Detector Mode	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
2382.12	Average	47.66	-0.09	47.57	54.00	-6.43
2382.12	Peak	64.19	-0.09	64.10	74.00	-9.90
2389.20	Average	48.83	-0.12	48.71	54.00	-5.29
2389.20	Peak	65.11	-0.12	64.99	74.00	-9.01
2390.00	Average	48.06	-0.12	47.94	54.00	-6.06
2390.00	Peak	63.74	-0.12	63.62	74.00	-10.38

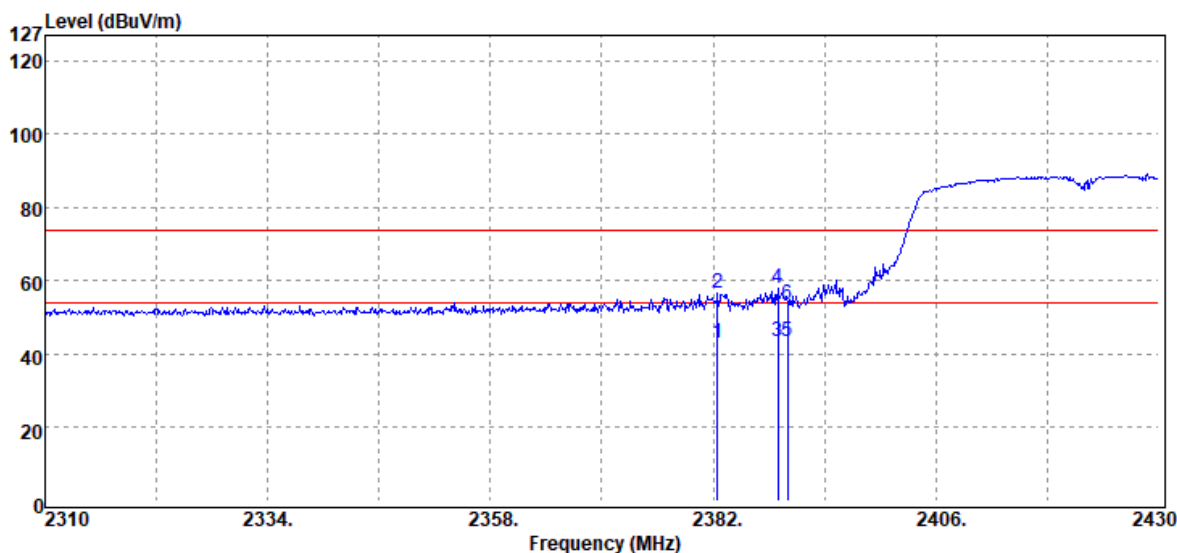
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2382.48	Average	43.29	-0.10	43.19	54.00	-10.81
2382.48	Peak	56.87	-0.10	56.77	74.00	-17.23
2388.96	Average	43.45	-0.11	43.34	54.00	-10.66
2388.96	Peak	58.25	-0.11	58.14	74.00	-15.86
2390.00	Average	43.61	-0.12	43.49	54.00	-10.51
2390.00	Peak	53.77	-0.12	53.65	74.00	-20.35

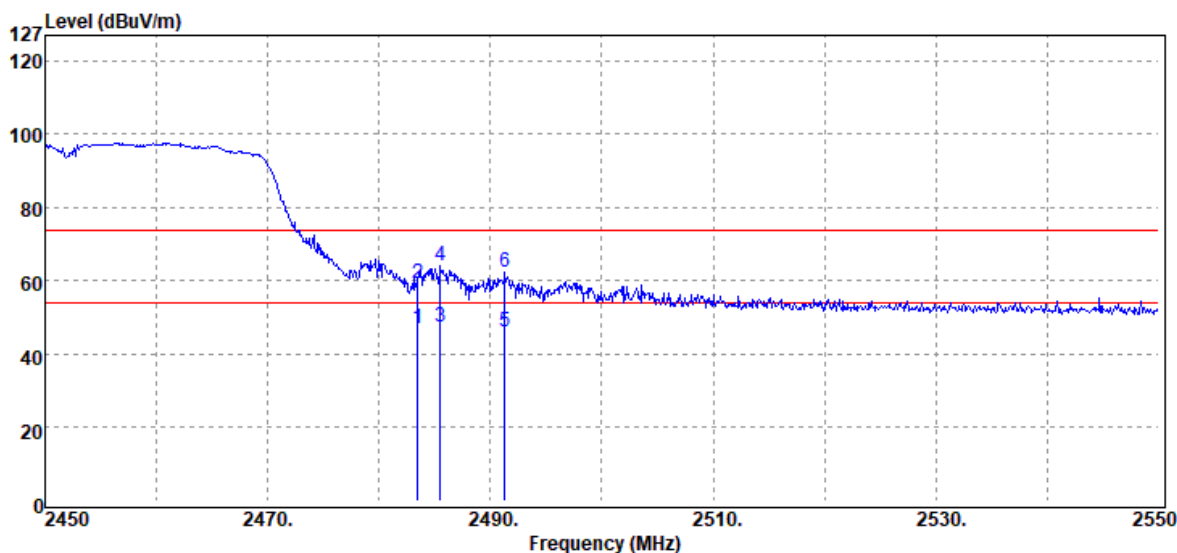
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	47.29	-0.16	47.13	54.00	-6.87
2483.50	Peak	59.66	-0.16	59.50	74.00	-14.50
2485.50	Average	47.58	-0.16	47.42	54.00	-6.58
2485.50	Peak	64.14	-0.16	63.98	74.00	-10.02
2491.30	Average	46.39	-0.16	46.23	54.00	-7.77
2491.30	Peak	62.41	-0.16	62.25	74.00	-11.75

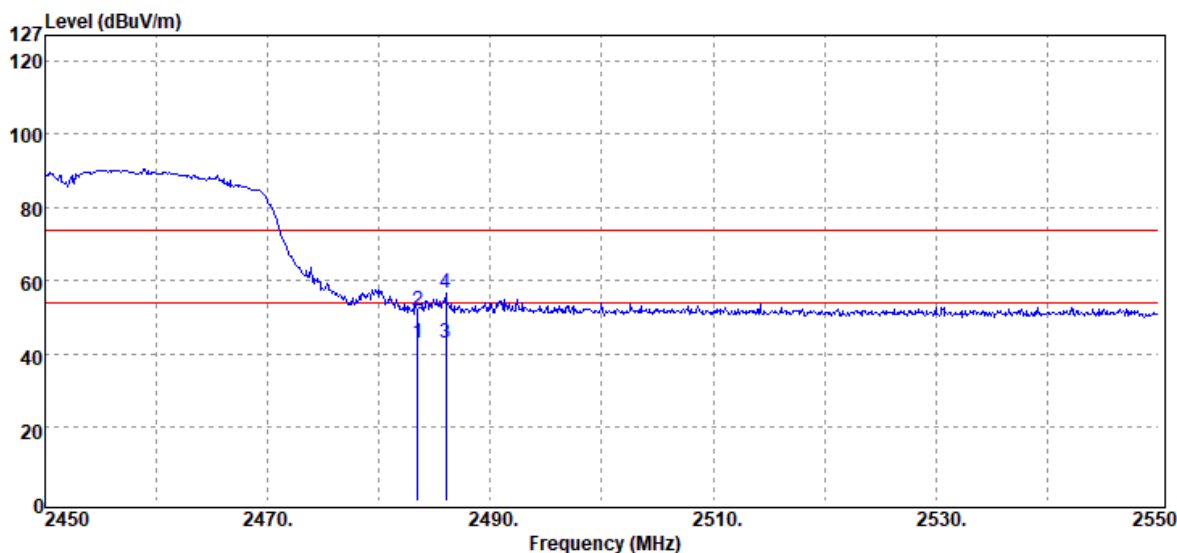
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Bandedge CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-26
 Temp./Humi. :25.8/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	43.02	-0.16	42.86	54.00	-11.14
2483.50	Peak	51.89	-0.16	51.73	74.00	-22.27
2486.00	Average	43.09	-0.16	42.93	54.00	-11.07
2486.00	Peak	56.99	-0.16	56.83	74.00	-17.17

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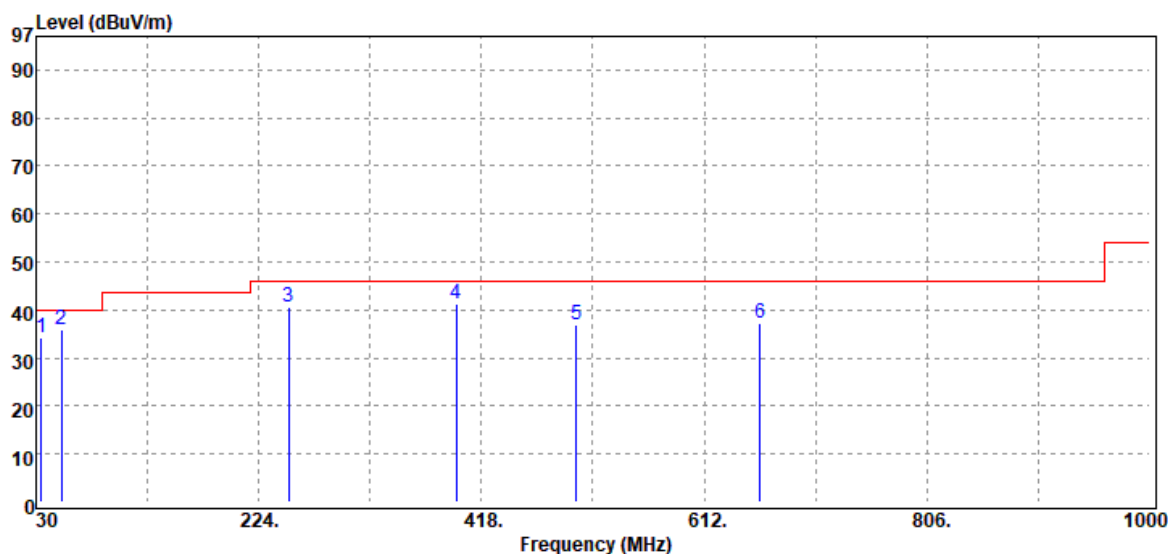
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6.7.2 Worst-Case Emission:

Report Number :ER/2021/60011
Operation Mode :802.11g
Test Frequency :2437 MHz
Test Mode :Tx CH Mid
EUT Pol :H Plane

Test Site :SAC I Chamber
Test Date :2021-06-29
Temp./Humi. :26.1/61
Antenna Pol. :VERTICAL
Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
34.85	Peak	41.34	-7.02	34.32	40.00	-5.68
52.31	Peak	52.75	-16.71	36.04	40.00	-3.96
250.19	Peak	50.57	-9.87	40.70	46.00	-5.30
395.69	QP	48.40	-6.95	41.45	46.00	-4.55
500.45	Peak	42.45	-5.44	37.01	46.00	-8.99
660.50	Peak	40.63	-3.52	37.11	46.00	-8.89

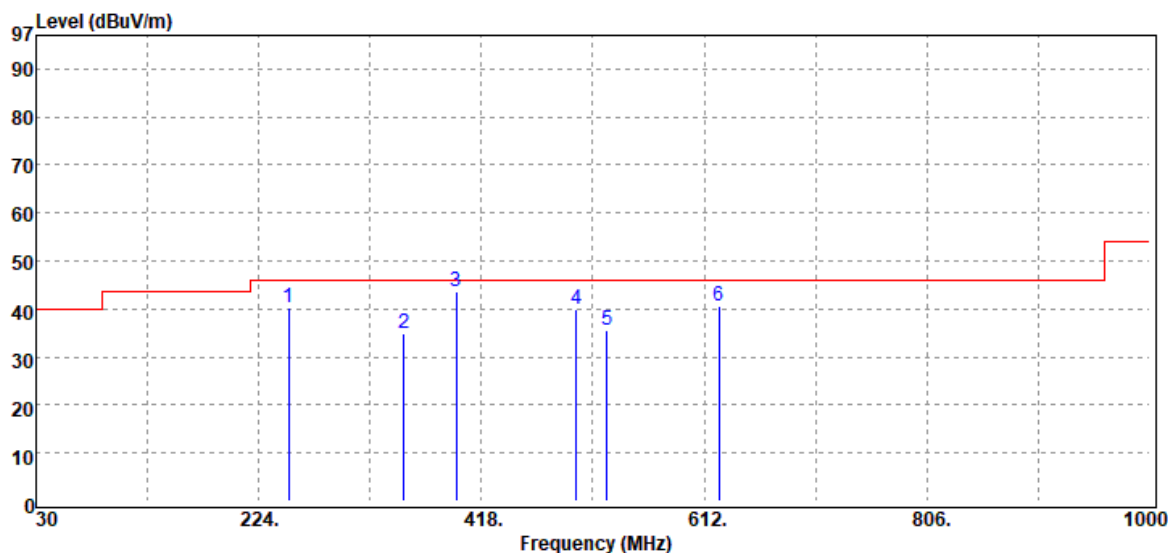
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
250.19	QP	50.20	-9.87	40.33	46.00	-5.67
350.10	Peak	42.75	-7.68	35.07	46.00	-10.93
395.69	QP	50.51	-6.95	43.56	46.00	-2.44
500.45	Peak	45.46	-5.44	40.02	46.00	-5.98
527.61	Peak	40.35	-4.69	35.66	46.00	-10.34
624.61	Peak	43.83	-3.29	40.54	46.00	-5.46

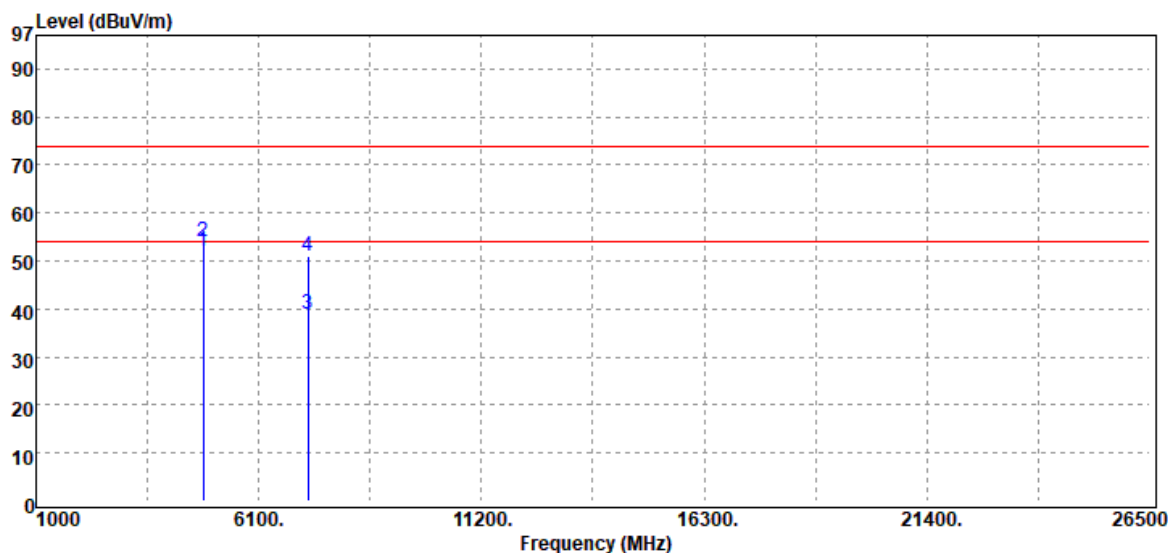
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-07-02
 Temp./Humi. :26.2/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	44.84	7.10	51.94	54.00	-2.06
4824.00	Peak	46.90	7.10	54.00	74.00	-20.00
7236.00	Average	23.47	15.57	39.04	54.00	-14.96
7236.00	Peak	35.47	15.57	51.04	74.00	-22.96

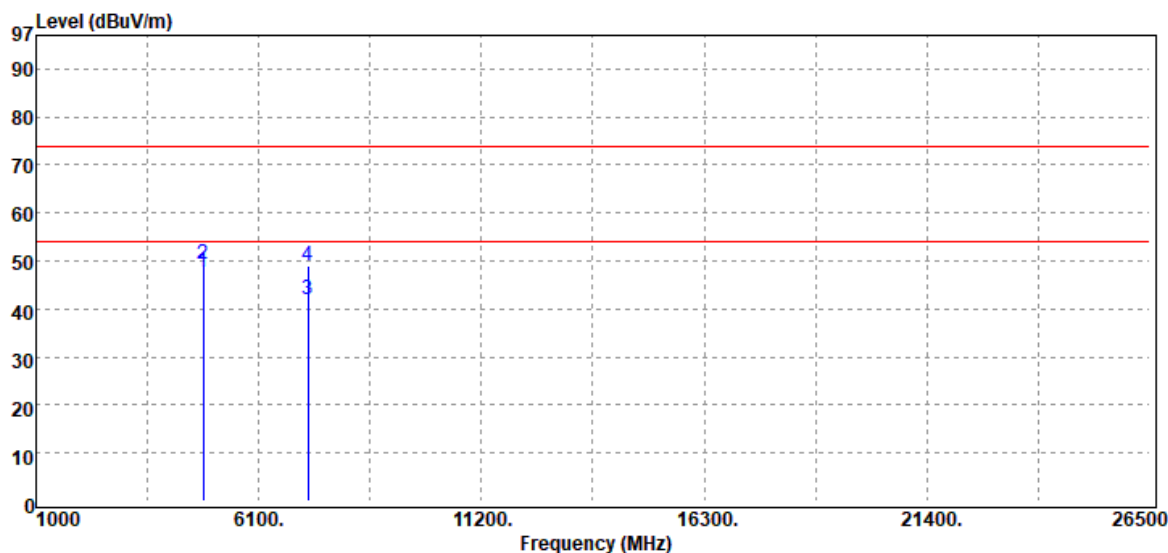
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-07-02
 Temp./Humi. :26.2/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	40.68	7.10	47.78	54.00	-6.22
4824.00	Peak	42.40	7.10	49.50	74.00	-24.50
7236.00	Average	26.43	15.57	42.00	54.00	-12.00
7236.00	Peak	33.33	15.57	48.90	74.00	-25.10

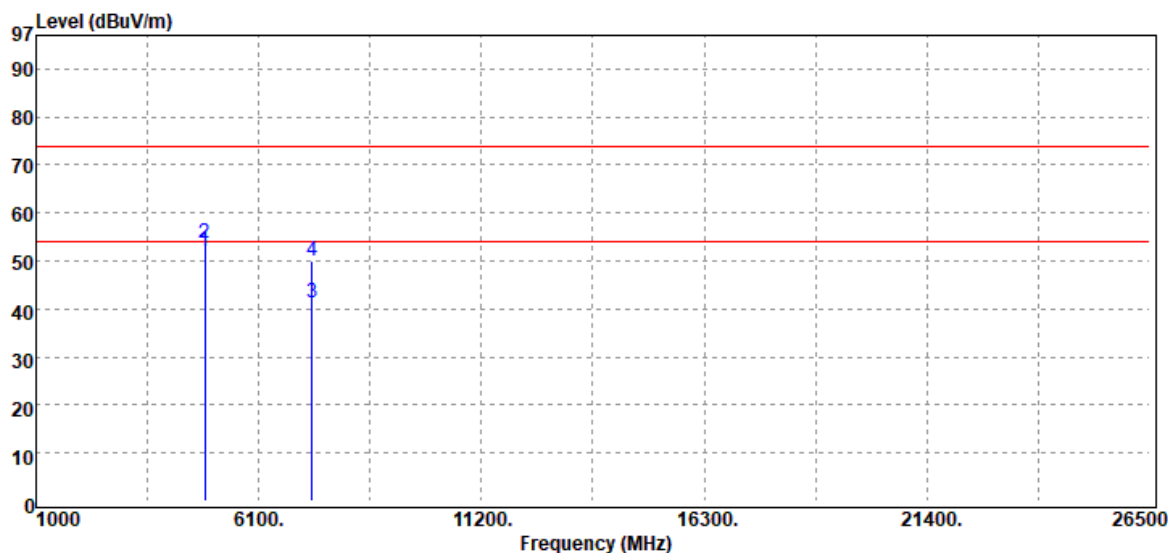
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-07-02
 Temp./Humi. :26.2/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	44.84	7.05	51.89	54.00	-2.11
4874.00	Peak	46.56	7.05	53.61	74.00	-20.39
7311.00	Average	26.15	14.99	41.14	54.00	-12.86
7311.00	Peak	34.97	14.99	49.96	74.00	-24.04

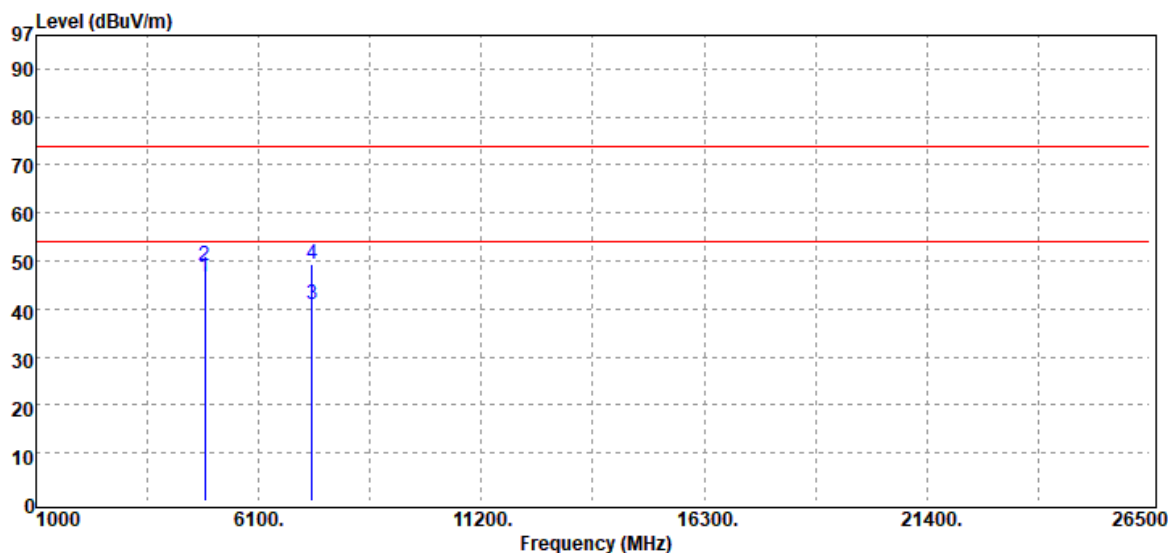
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-07-02
 Temp./Humi. :26.2/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	39.74	7.05	46.79	54.00	-7.21
4874.00	Peak	41.96	7.05	49.01	74.00	-24.99
7311.00	Average	26.07	14.99	41.06	54.00	-12.94
7311.00	Peak	34.35	14.99	49.34	74.00	-24.66

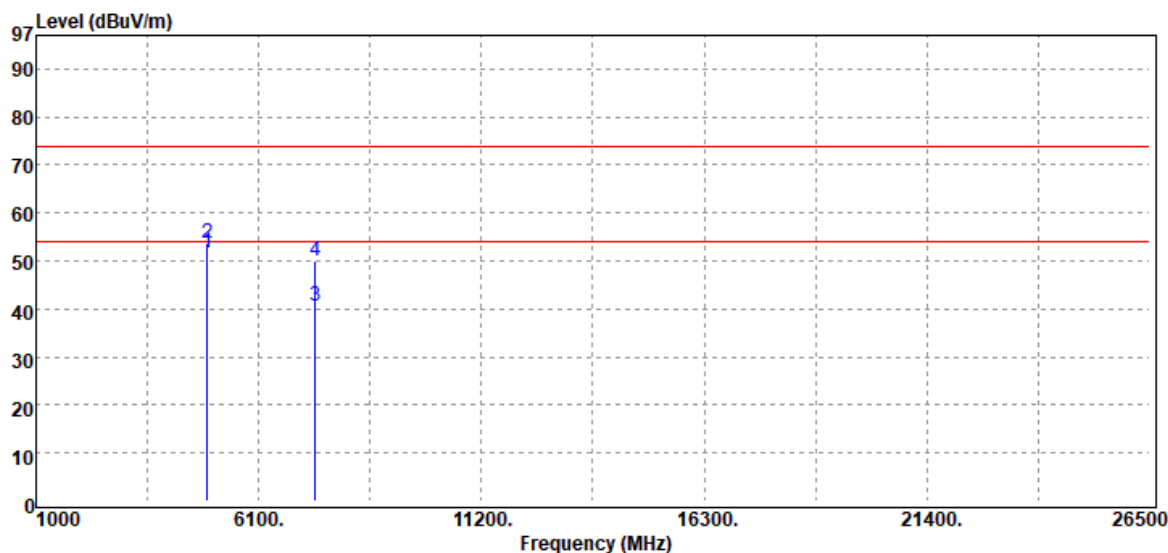
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-07-02
 Temp./Humi. :26.2/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	44.34	7.30	51.64	54.00	-2.36
4924.00	Peak	46.46	7.30	53.76	74.00	-20.24
7386.00	Average	26.21	14.55	40.76	54.00	-13.24
7386.00	Peak	35.51	14.55	50.06	74.00	-23.94

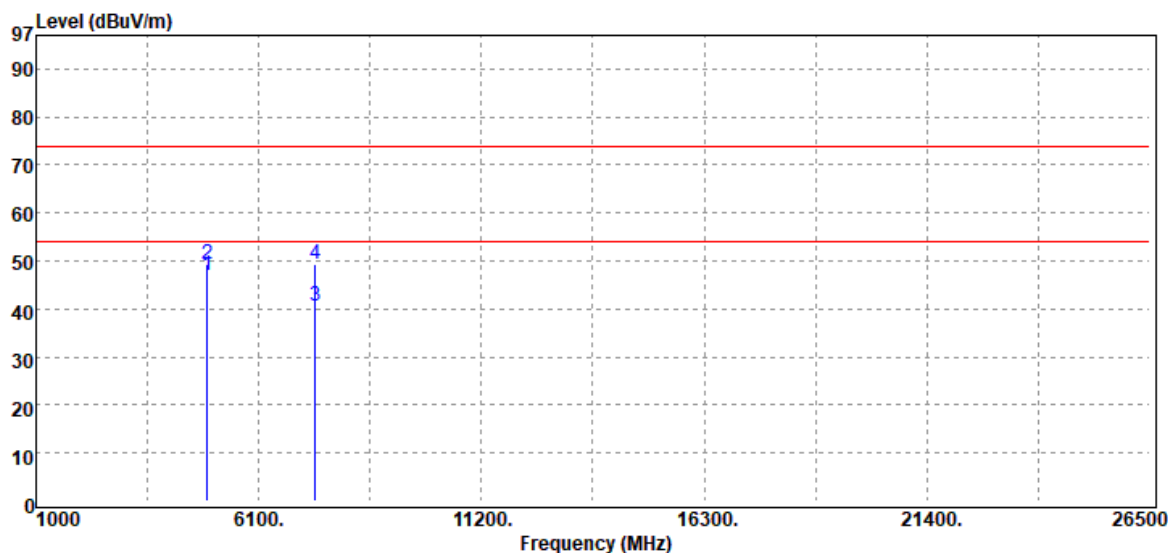
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Report Number :ER/2021/60011
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-07-02
 Temp./Humi. :26.2/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	39.53	7.30	46.83	54.00	-7.17
4924.00	Peak	42.18	7.30	49.48	74.00	-24.52
7386.00	Average	26.15	14.55	40.70	54.00	-13.30
7386.00	Peak	34.66	14.55	49.21	74.00	-24.79

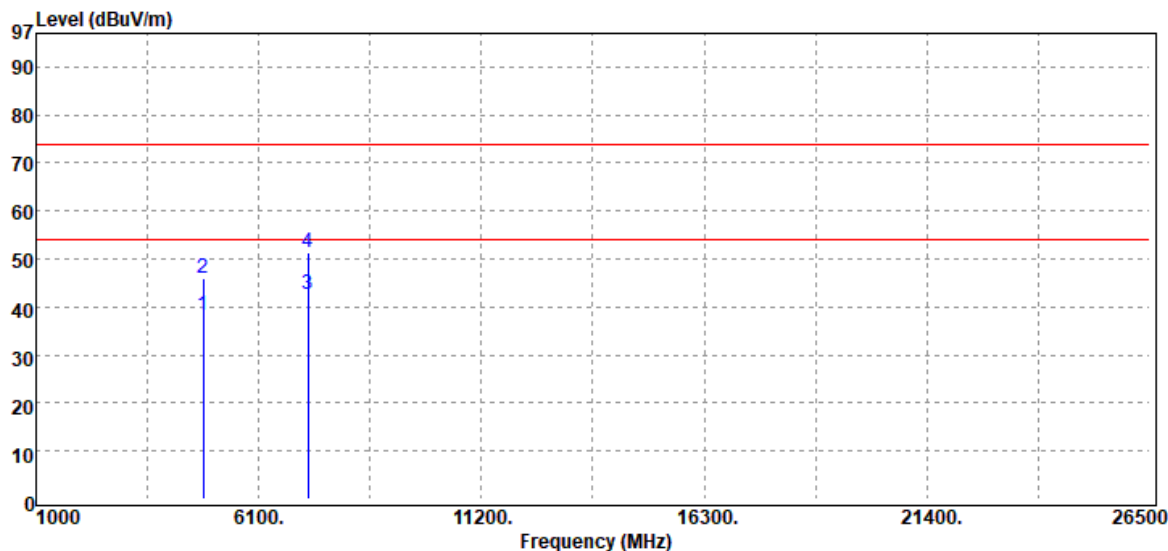
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	31.27	7.10	38.37	54.00	-15.63
4824.00	Peak	38.89	7.10	45.99	74.00	-28.01
7236.00	Average	26.96	15.57	42.53	54.00	-11.47
7236.00	Peak	35.70	15.57	51.27	74.00	-22.73

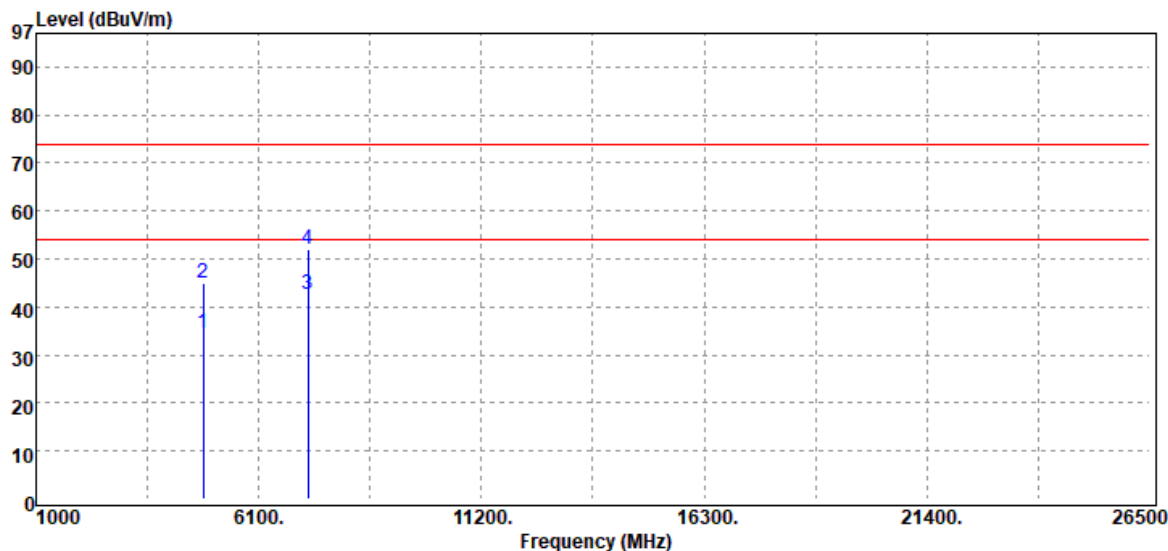
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	27.48	7.10	34.58	54.00	-19.42
4824.00	Peak	37.91	7.10	45.01	74.00	-28.99
7236.00	Average	26.94	15.57	42.51	54.00	-11.49
7236.00	Peak	36.41	15.57	51.98	74.00	-22.02

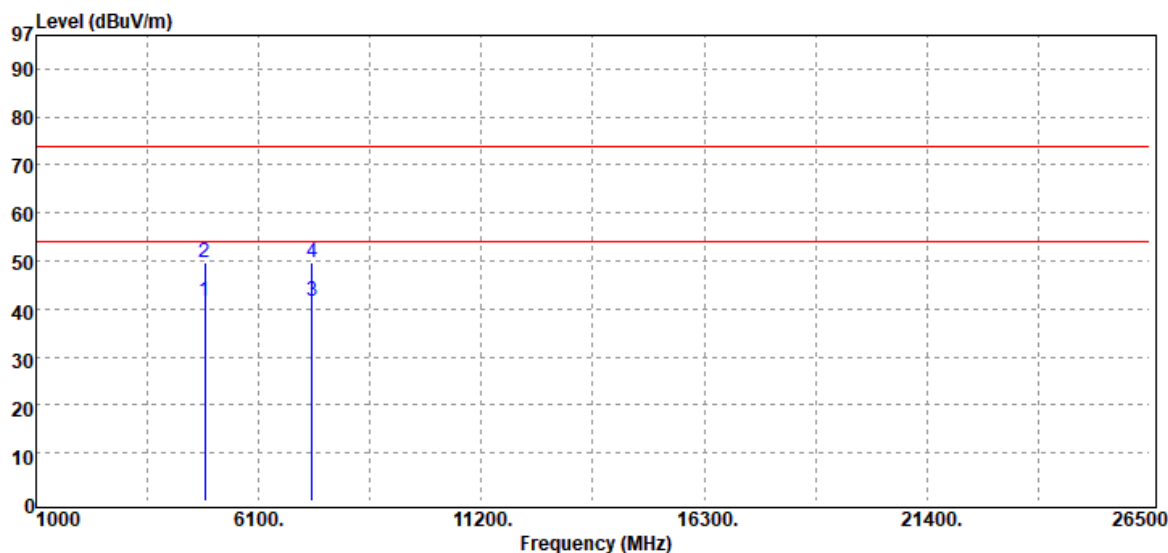
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	34.60	7.05	41.65	54.00	-12.35
4874.00	Peak	42.79	7.05	49.84	74.00	-24.16
7311.00	Average	26.67	14.99	41.66	54.00	-12.34
7311.00	Peak	34.67	14.99	49.66	74.00	-24.34

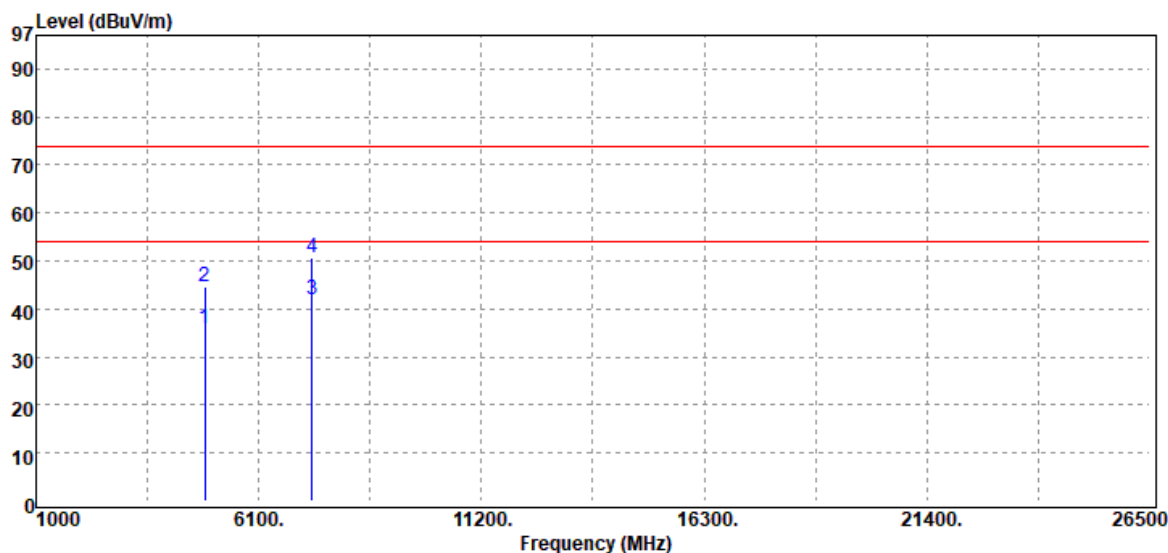
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	28.83	7.05	35.88	54.00	-18.12
4874.00	Peak	37.65	7.05	44.70	74.00	-29.30
7311.00	Average	26.81	14.99	41.80	54.00	-12.20
7311.00	Peak	35.80	14.99	50.79	74.00	-23.21

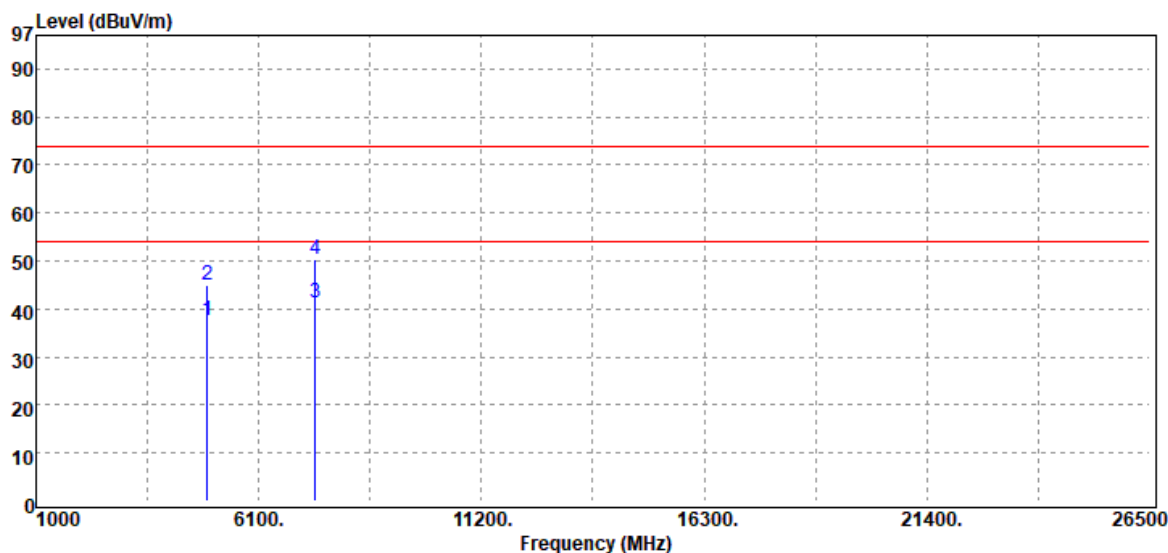
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	30.42	7.30	37.72	54.00	-16.28
4924.00	Peak	37.57	7.30	44.87	74.00	-29.13
7386.00	Average	26.81	14.55	41.36	54.00	-12.64
7386.00	Peak	35.81	14.55	50.36	74.00	-23.64

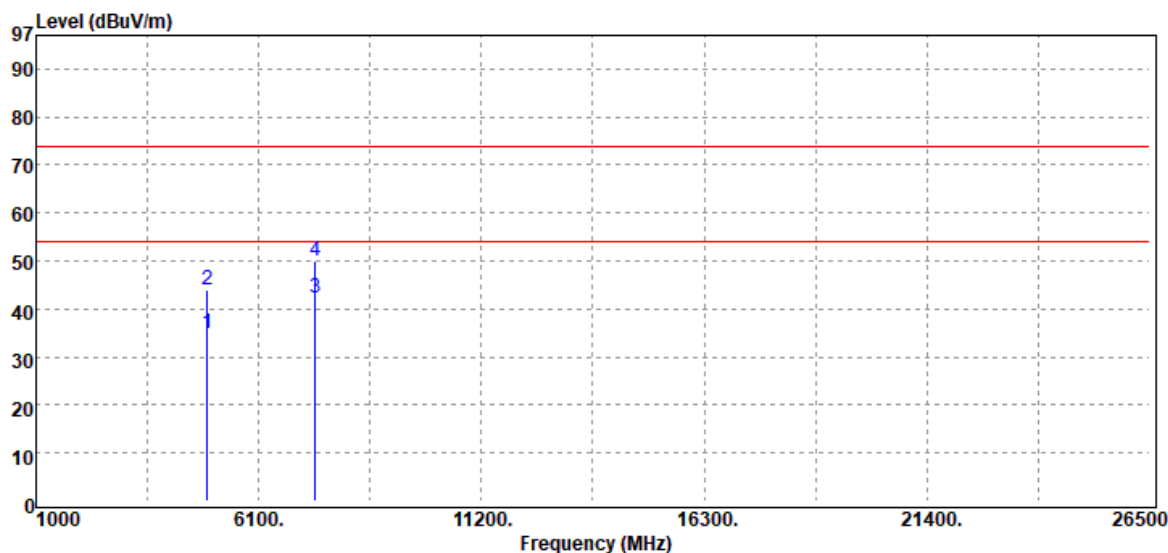
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Report Number :ER/2021/60011
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	27.76	7.30	35.06	54.00	-18.94
4924.00	Peak	36.68	7.30	43.98	74.00	-30.02
7386.00	Average	27.65	14.55	42.20	54.00	-11.80
7386.00	Peak	35.47	14.55	50.02	74.00	-23.98

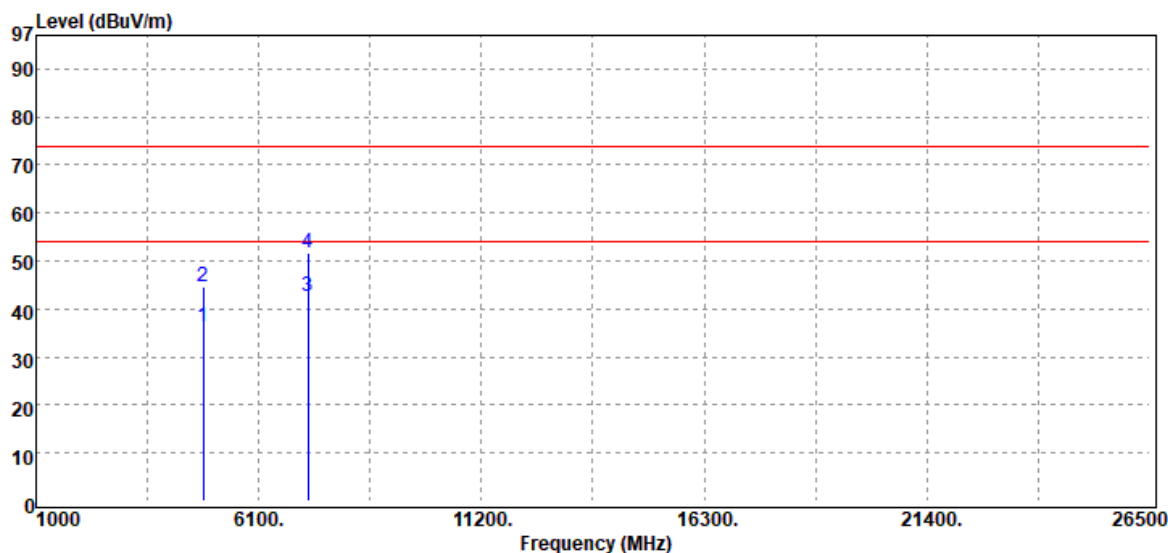
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	29.28	7.10	36.38	54.00	-17.62
4824.00	Peak	37.49	7.10	44.59	74.00	-29.41
7236.00	Average	26.96	15.57	42.53	54.00	-11.47
7236.00	Peak	36.10	15.57	51.67	74.00	-22.33

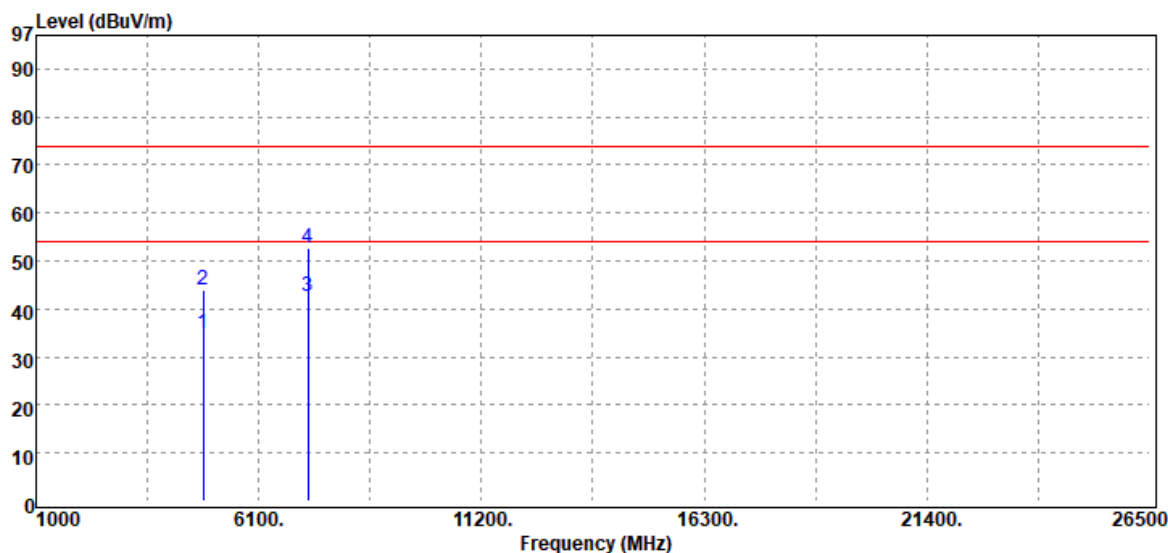
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	27.94	7.10	35.04	54.00	-18.96
4824.00	Peak	36.78	7.10	43.88	74.00	-30.12
7236.00	Average	26.96	15.57	42.53	54.00	-11.47
7236.00	Peak	36.99	15.57	52.56	74.00	-21.44

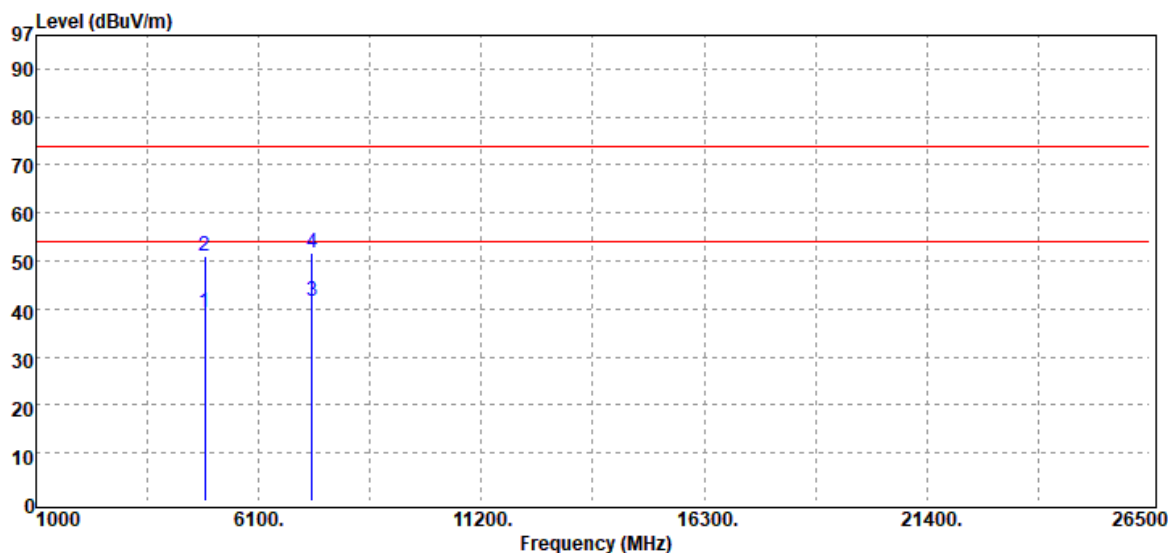
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	32.32	7.05	39.37	54.00	-14.63
4874.00	Peak	44.08	7.05	51.13	74.00	-22.87
7311.00	Average	26.68	14.99	41.67	54.00	-12.33
7311.00	Peak	36.56	14.99	51.55	74.00	-22.45

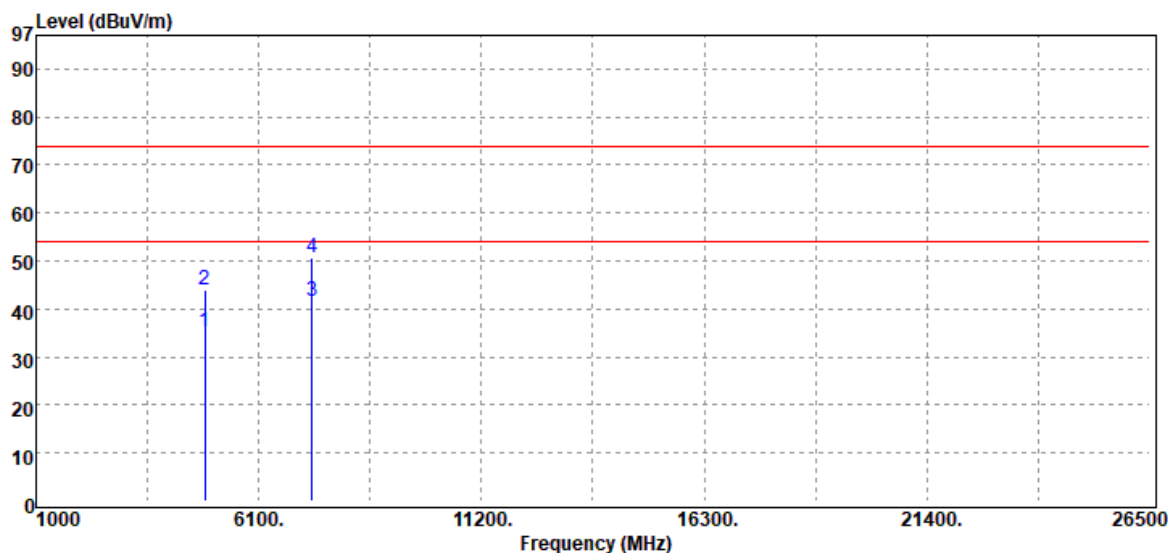
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	28.32	7.05	35.37	54.00	-18.63
4874.00	Peak	36.89	7.05	43.94	74.00	-30.06
7311.00	Average	26.66	14.99	41.65	54.00	-12.35
7311.00	Peak	35.65	14.99	50.64	74.00	-23.36

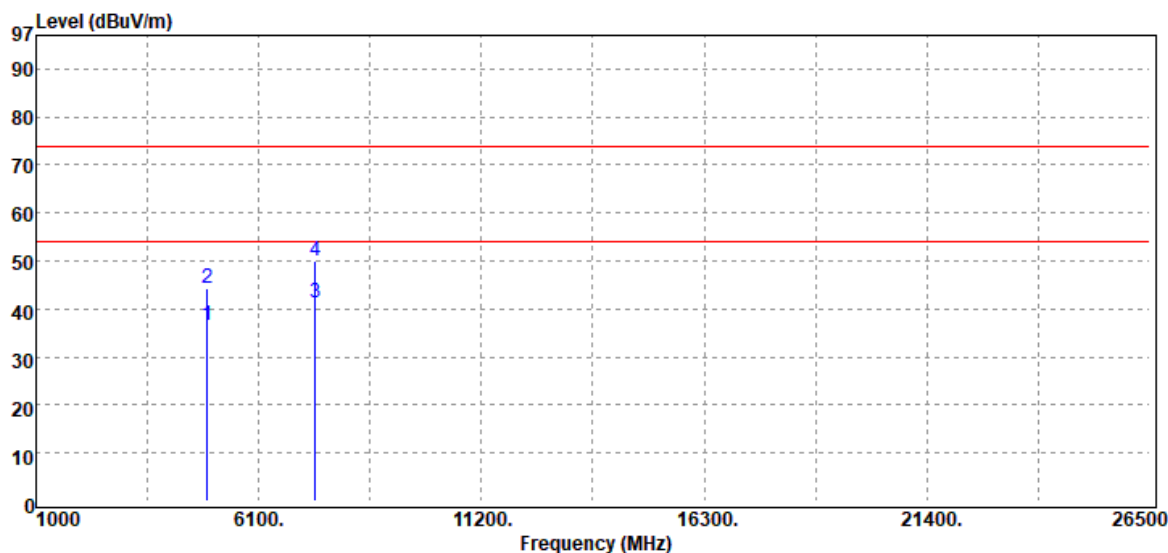
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Report Number :ER/2021/60011
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	29.43	7.30	36.73	54.00	-17.27
4924.00	Peak	36.95	7.30	44.25	74.00	-29.75
7386.00	Average	26.70	14.55	41.25	54.00	-12.75
7386.00	Peak	35.36	14.55	49.91	74.00	-24.09

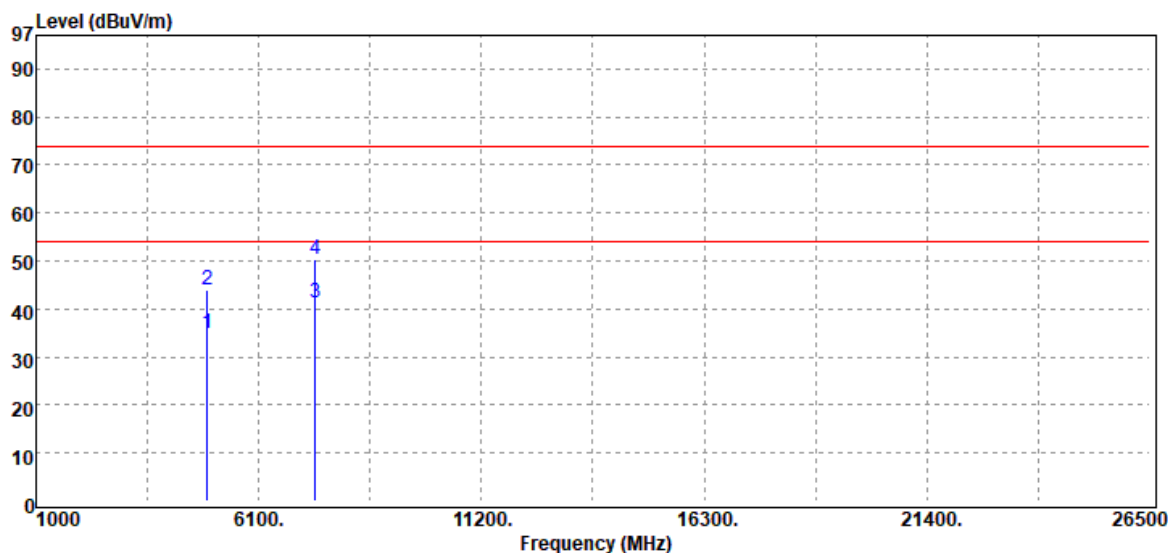
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Report Number :ER/2021/60011
Operation Mode :802.11n20
Test Frequency :2462 MHz
Test Mode :Tx CH High
EUT Pol :H Plane

Test Site :SAC I Chamber
Test Date :2021-06-29
Temp./Humi. :26.1/61
Antenna Pol. :HORIZONTAL
Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	27.68	7.30	34.98	54.00	-19.02
4924.00	Peak	36.69	7.30	43.99	74.00	-30.01
7386.00	Average	26.57	14.55	41.12	54.00	-12.88
7386.00	Peak	35.76	14.55	50.31	74.00	-23.69

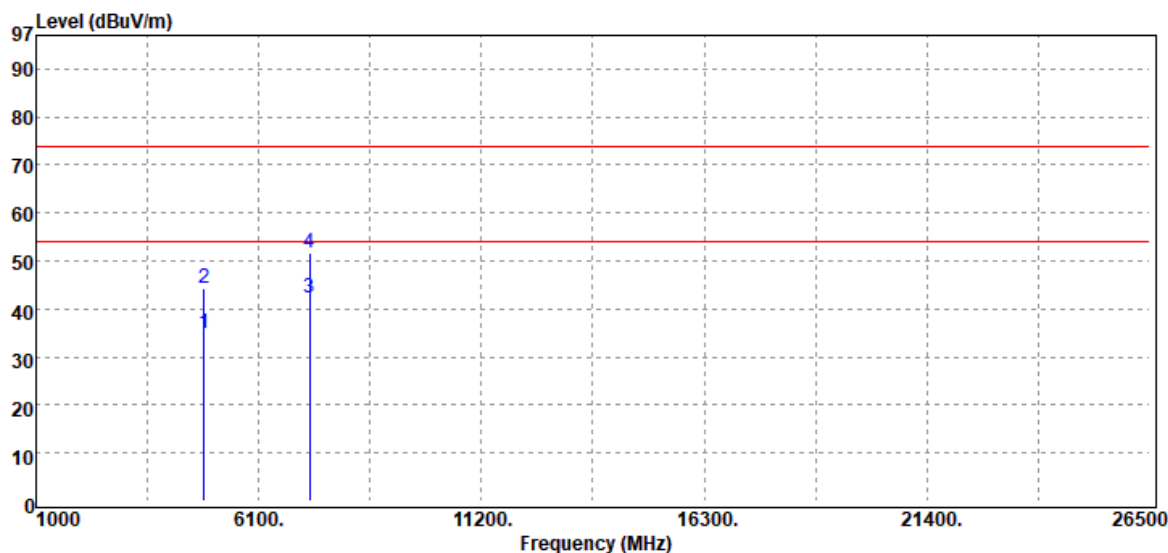
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Average	27.98	7.03	35.01	54.00	-18.99
4844.00	Peak	37.42	7.03	44.45	74.00	-29.55
7266.00	Average	26.96	15.35	42.31	54.00	-11.69
7266.00	Peak	36.34	15.35	51.69	74.00	-22.31

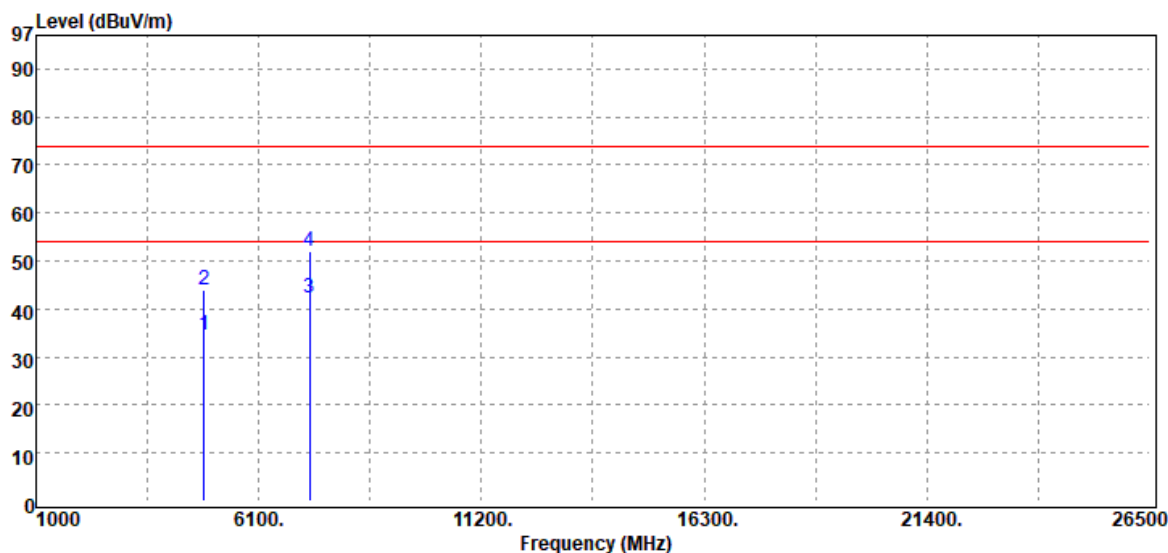
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Average	27.61	7.03	34.64	54.00	-19.36
4844.00	Peak	36.80	7.03	43.83	74.00	-30.17
7266.00	Average	26.93	15.35	42.28	54.00	-11.72
7266.00	Peak	36.51	15.35	51.86	74.00	-22.14

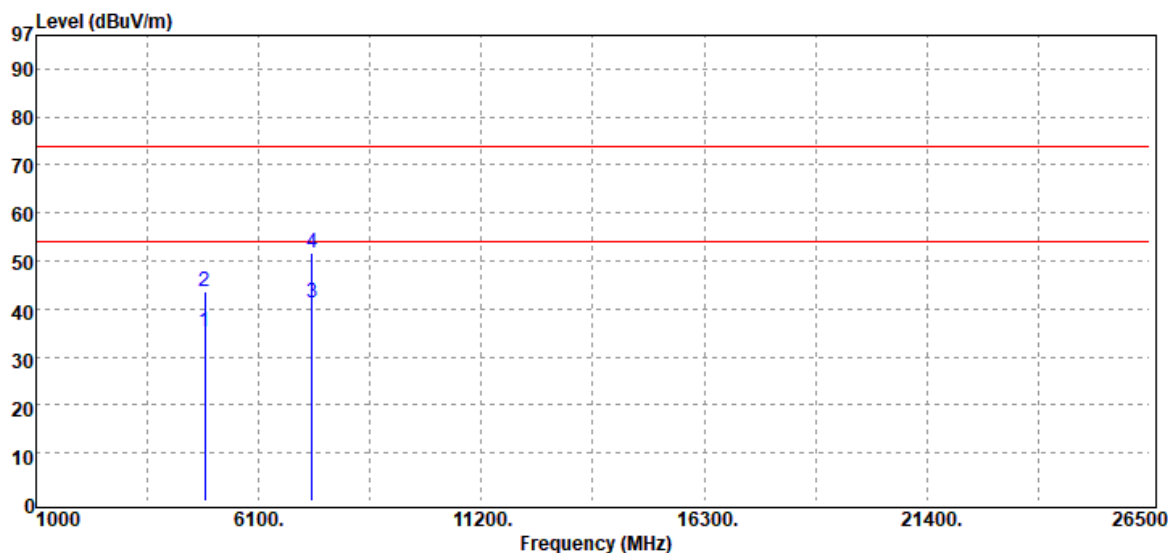
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	28.23	7.05	35.28	54.00	-18.72
4874.00	Peak	36.70	7.05	43.75	74.00	-30.25
7311.00	Average	26.45	14.99	41.44	54.00	-12.56
7311.00	Peak	36.64	14.99	51.63	74.00	-22.37

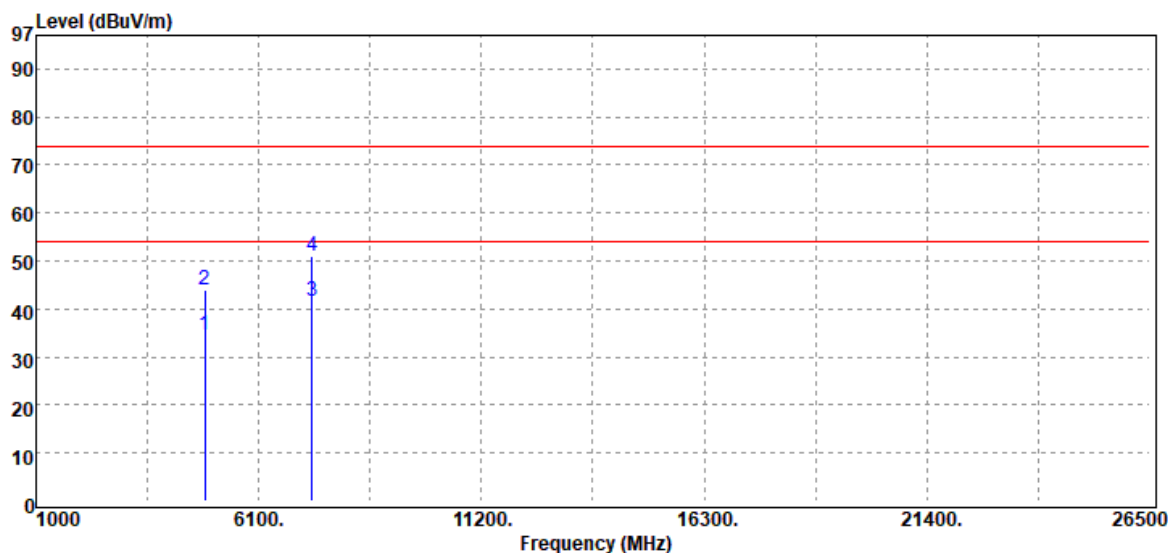
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	27.66	7.05	34.71	54.00	-19.29
4874.00	Peak	37.09	7.05	44.14	74.00	-29.86
7311.00	Average	26.71	14.99	41.70	54.00	-12.30
7311.00	Peak	35.92	14.99	50.91	74.00	-23.09

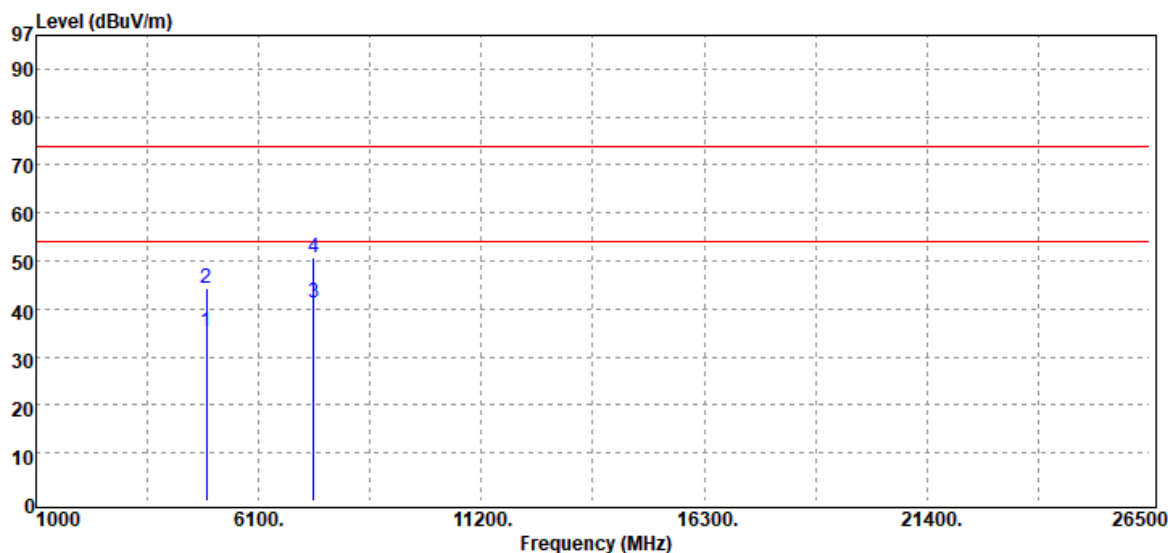
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	27.97	7.11	35.08	54.00	-18.92
4904.00	Peak	37.27	7.11	44.38	74.00	-29.62
7356.00	Average	26.63	14.68	41.31	54.00	-12.69
7356.00	Peak	36.03	14.68	50.71	74.00	-23.29

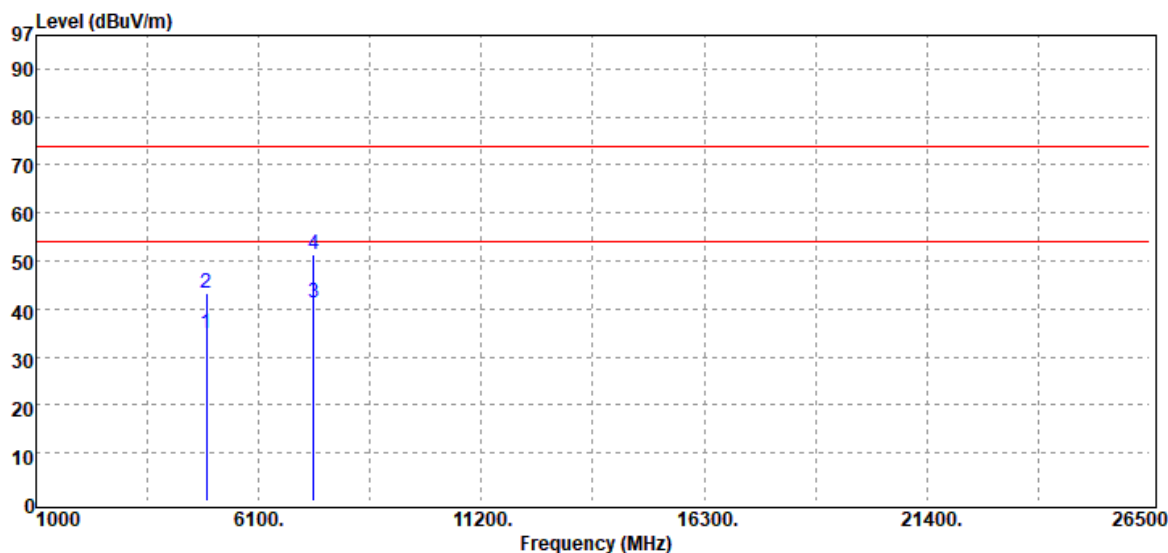
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Report Number :ER/2021/60011
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Tx CH High
 EUT Pol :H Plane

Test Site :SAC I Chamber
 Test Date :2021-06-29
 Temp./Humi. :26.1/61
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	27.72	7.11	34.83	54.00	-19.17
4904.00	Peak	36.33	7.11	43.44	74.00	-30.56
7356.00	Average	26.57	14.68	41.25	54.00	-12.75
7356.00	Peak	36.73	14.68	51.41	74.00	-22.59

~ End of Report ~

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