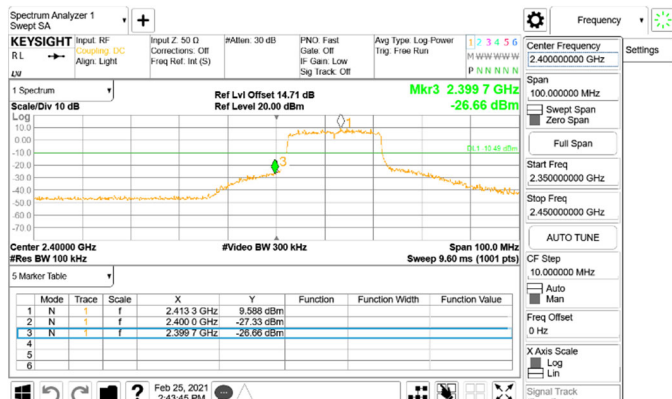
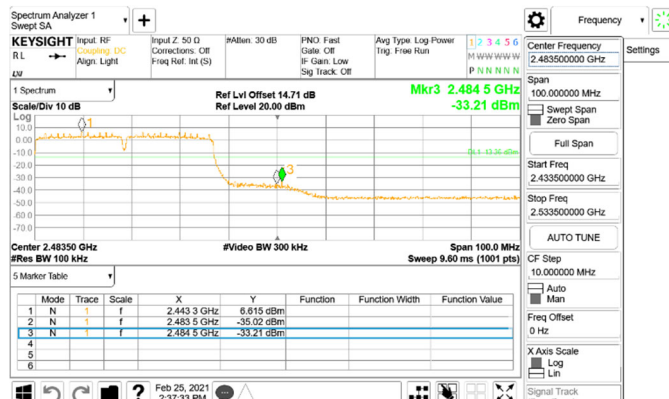


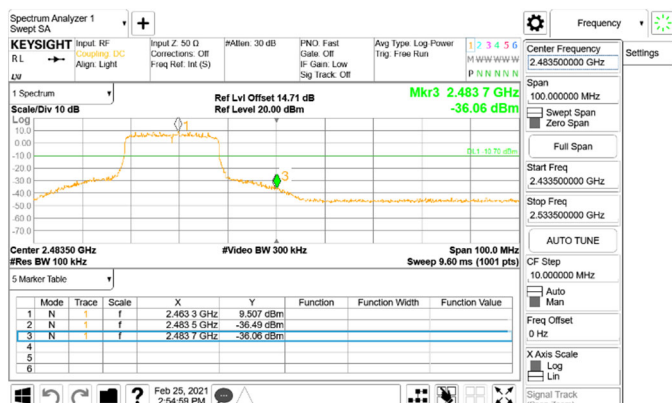
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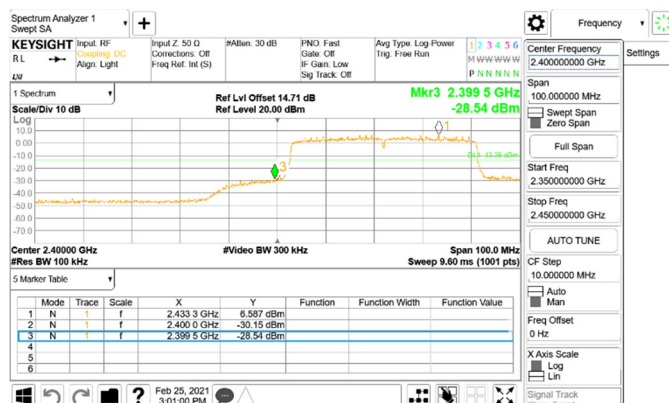
Band Edge_802.11n_40MHz_Chain0_2452MHz



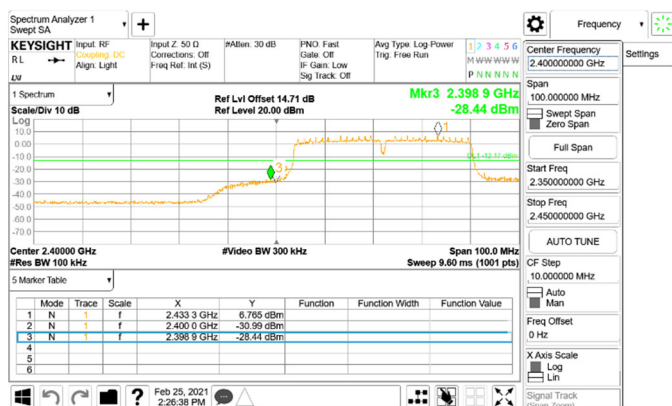
Band Edge_802.11ax_20MHz_Chain0_2462MHz



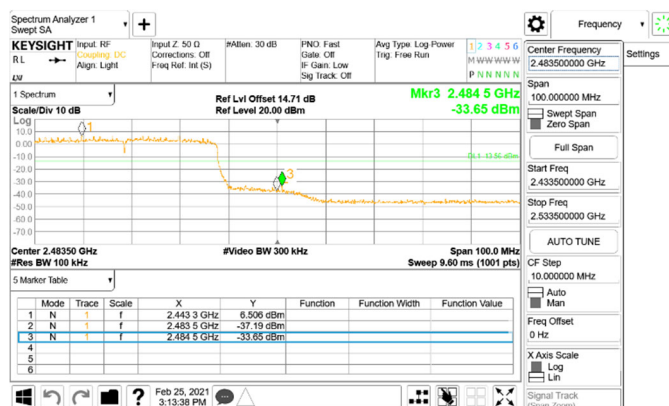
Band Edge_802.11ax_40MHz_Chain0_2422MHz



Band Edge_802.11n_40MHz_Chain0_2422MHz



Band Edge_802.11ax_40MHz_Chain0_2452MHz



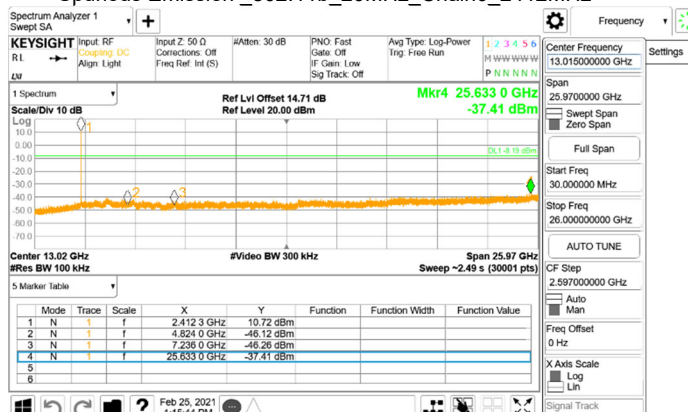
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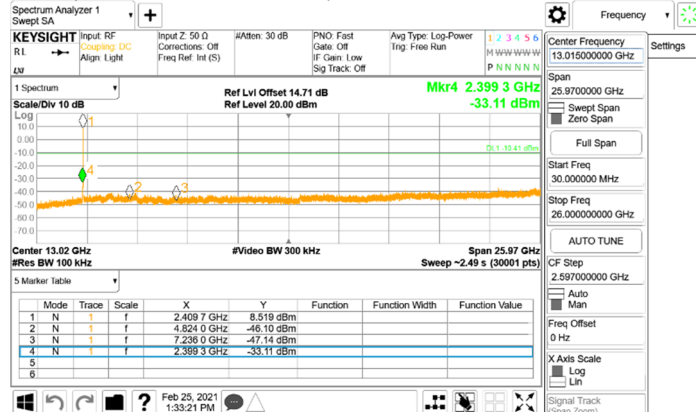
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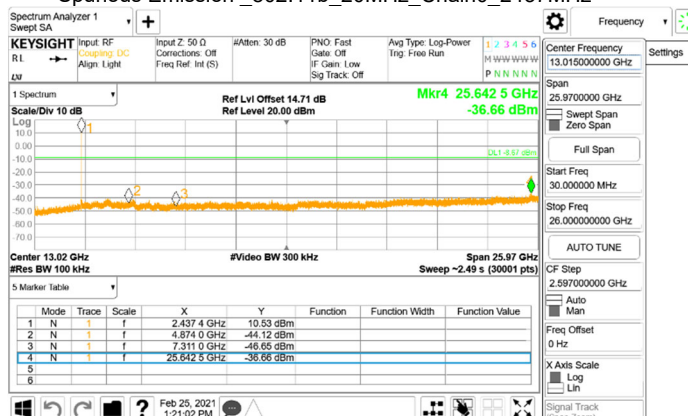
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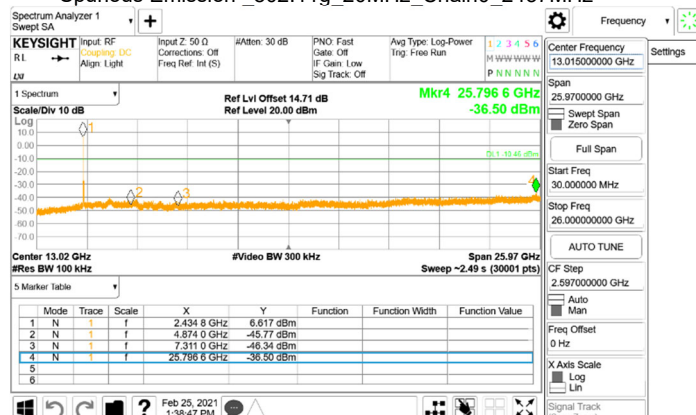
Spurious Emission 802.11a 20MHz Chain0 2412MHz



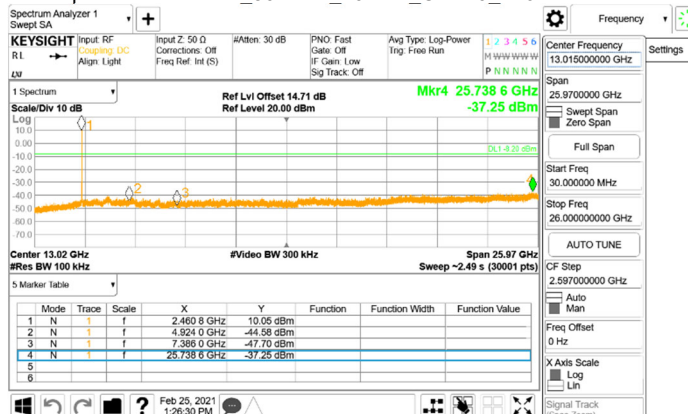
Spurious Emission _802.11b_20MHz_Chain0_2437MHz



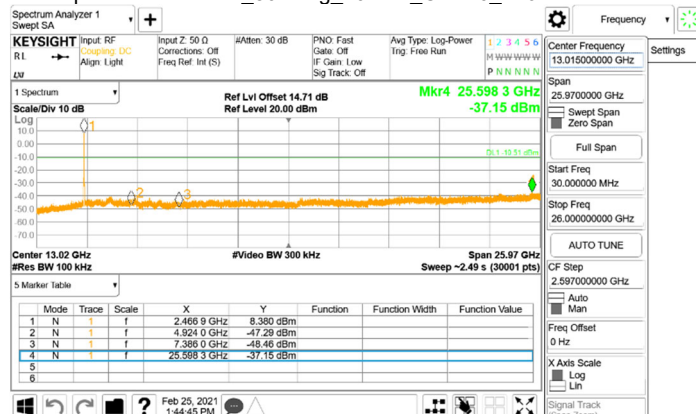
Spurious Emission _802.11g_20MHz_Chain0_2437MHz



Spurious Emission _802.11b_20MHz_Chain0_2462MHz



Spurious Emission _802.11g_20MHz_Chain0_2462MHz

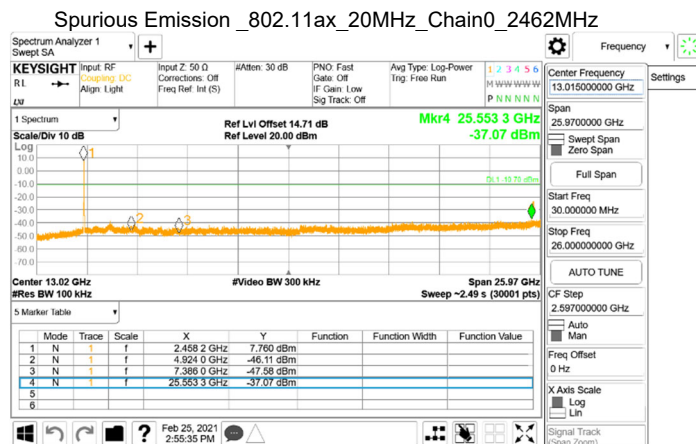
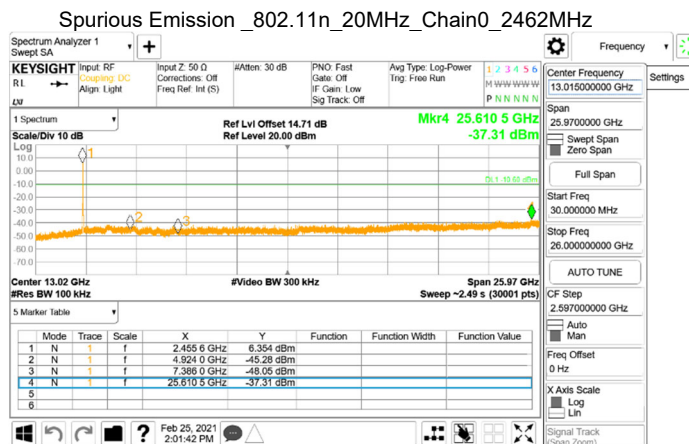
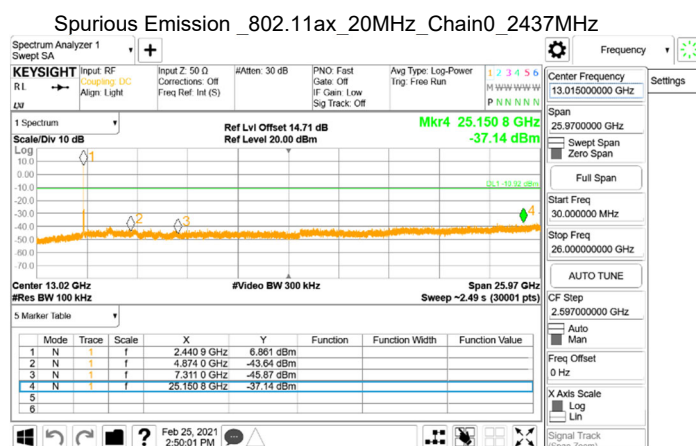
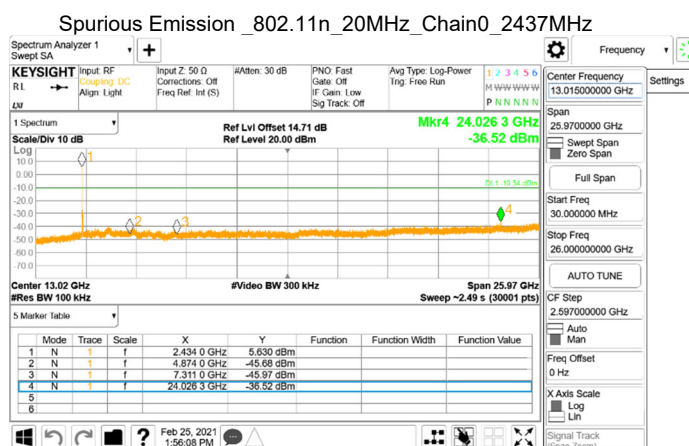
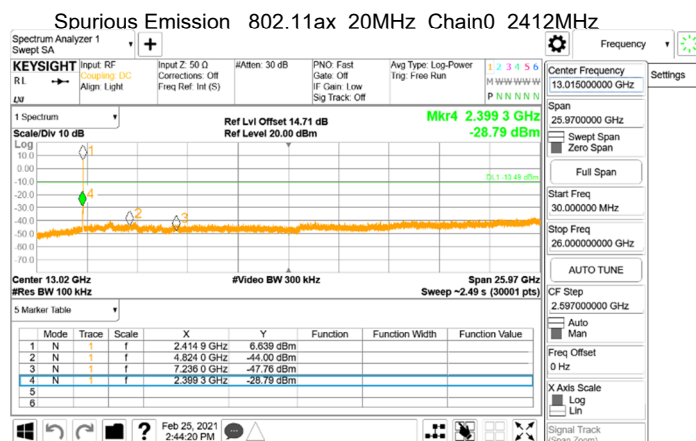
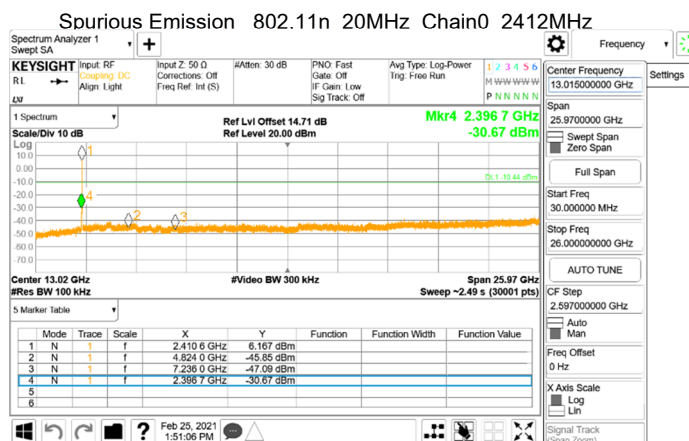


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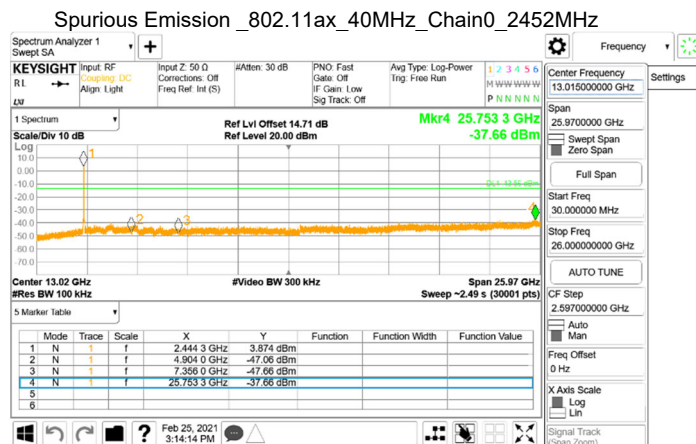
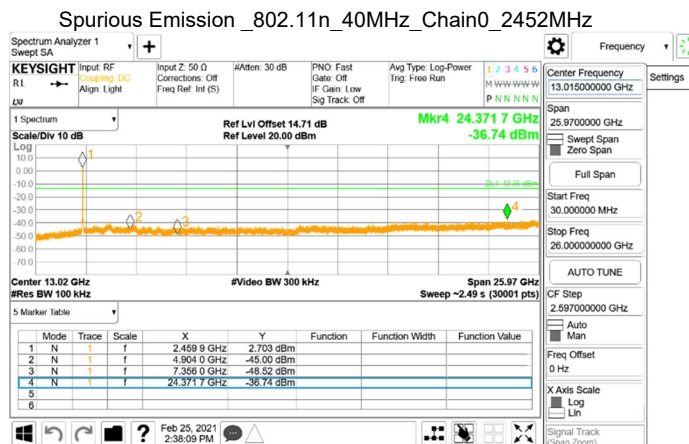
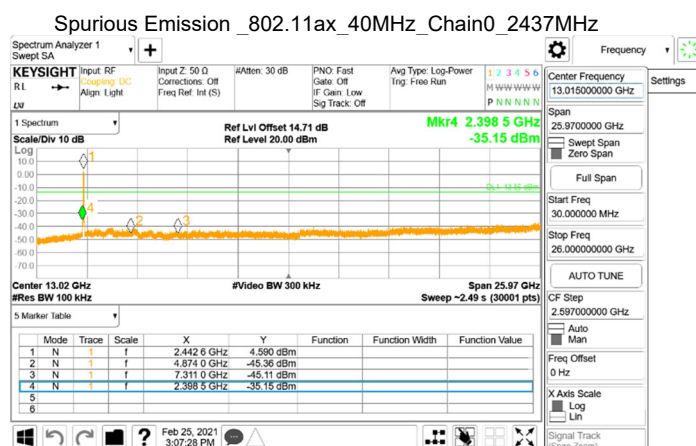
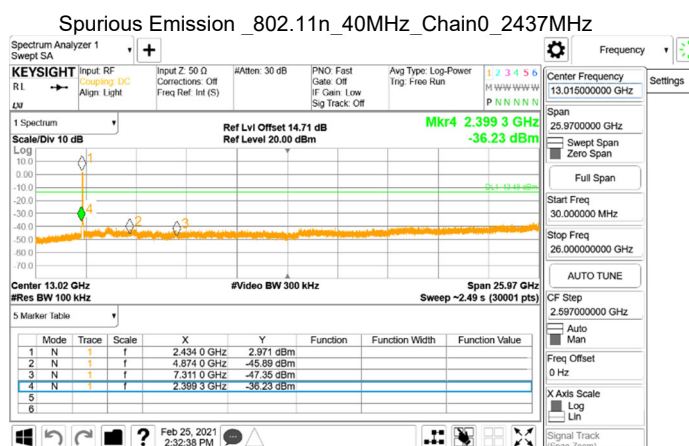
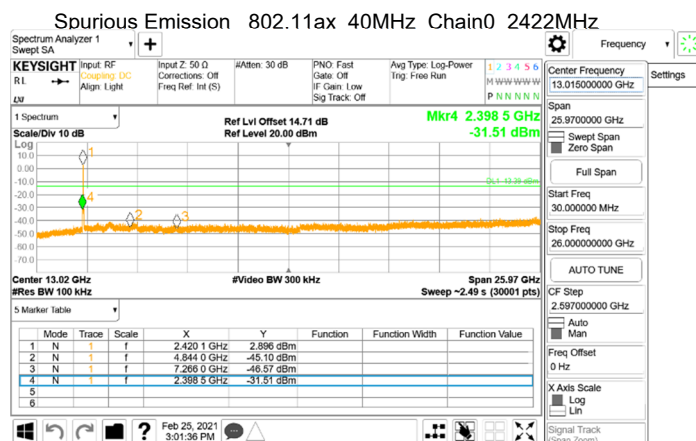
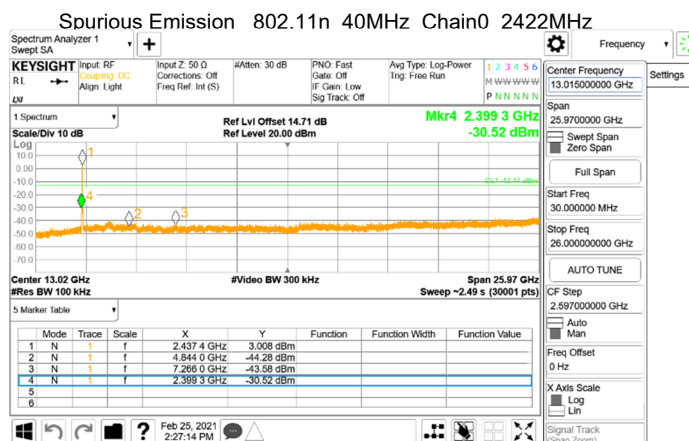


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11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

11.1 Standard Applicable

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 (μV/m)

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11.2 Measurement Equipment Used:

Radiated Emission Test Site: SAC 1					
EQUIPMENT TYPE	MFR/BRAND	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Horn Antenna	SCHWAZBECK	BBHA9170	184	12/11/2020	12/10/2021
Site Cal	SGS	SAC I chamber	N/A	01/01/2021	12/31/2021
Horn Antenna	Schwarzbeck	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.LINDGREN	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
Filter 2400-2483.5 MHz	EWT	EWT-14-0166	M1	12/16/2020	12/15/2021
High Pass Filter	WI	WHKX4.0/18G-10SS	22	12/16/2020	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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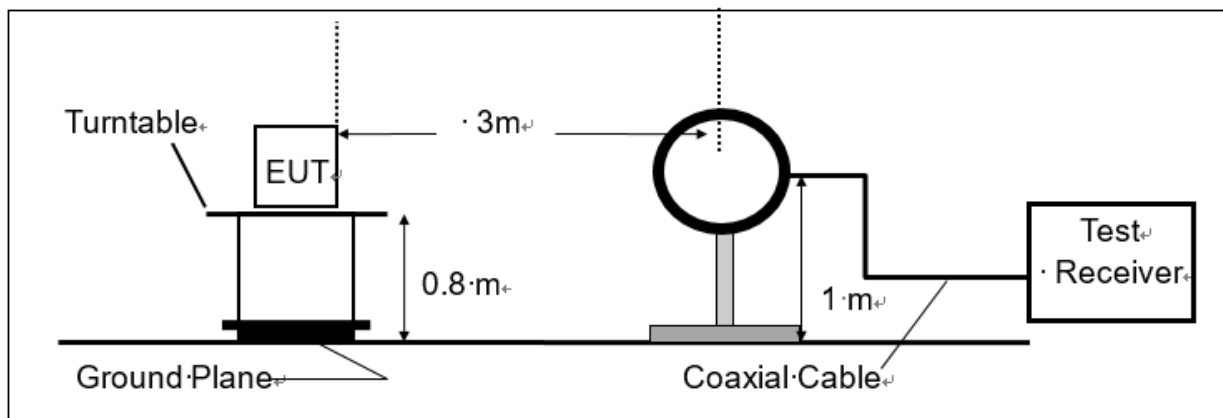
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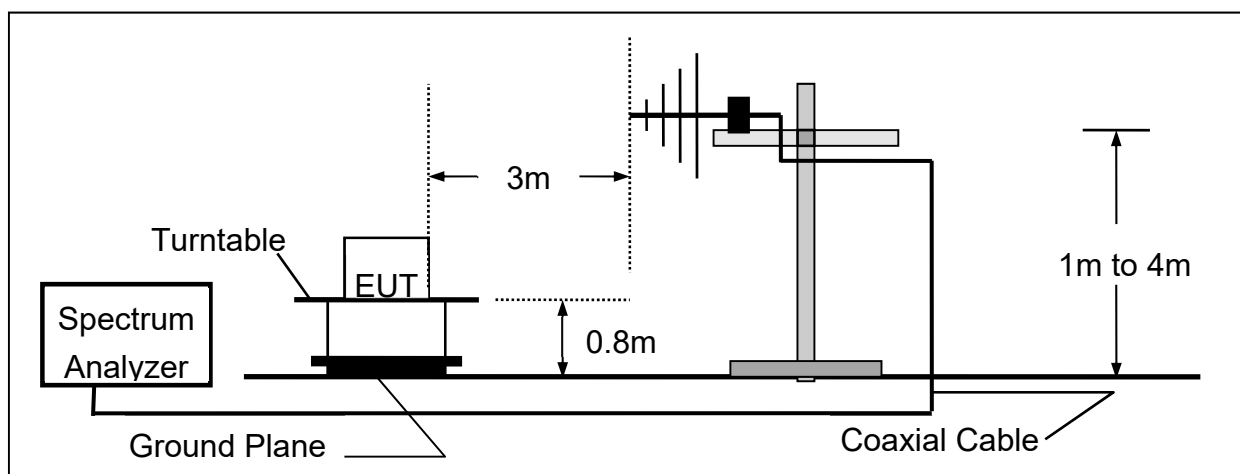
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11.3 Test SET-UP

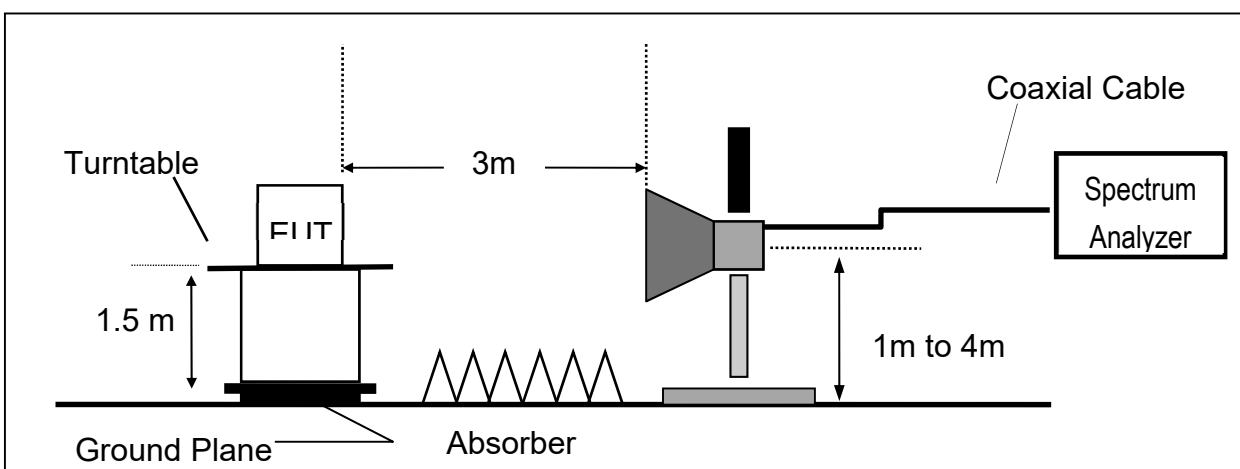
(A) Radiated Emission Test Set-UP Frequency Below 30MHz.



(B) Radiated Emission Test Set-UP, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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11.4 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 ≥ 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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11.5 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 $20 \cdot \log(uV/m)$

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

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

11.6 Test Results of Radiated Spurious Emissions form 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.

11.7 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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11.7.1 Radiated Band Edge Measurement Result

Report Number :ER/2021/10055

Operation Mode :802.11b

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

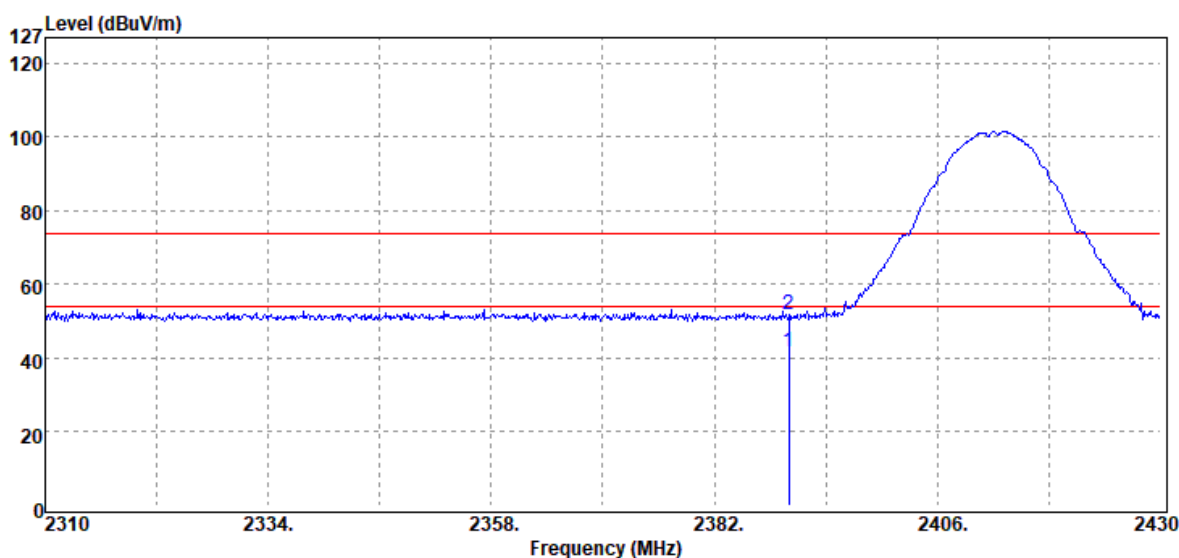
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	41.72	-0.12	41.60	54.00	-12.40
2390.00	Peak	51.83	-0.12	51.71	74.00	-22.29

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Report Number :ER/2021/10055

Operation Mode :802.11b

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

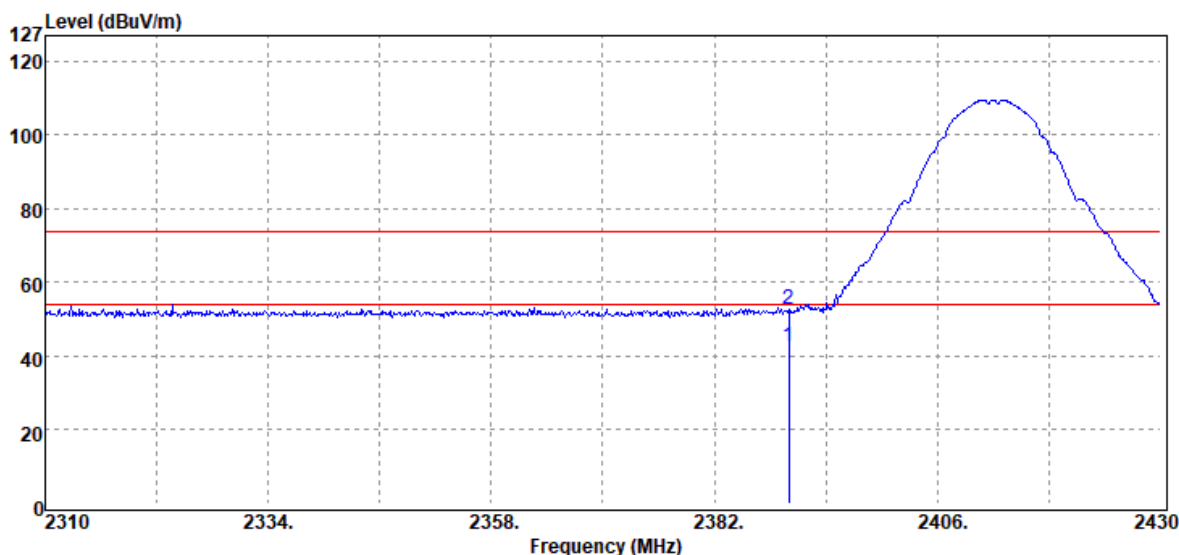
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	42.90	-0.12	42.78	54.00	-11.22
2390.00	Peak	52.79	-0.12	52.67	74.00	-21.33

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Report Number :ER/2021/10055

Operation Mode :802.11b

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

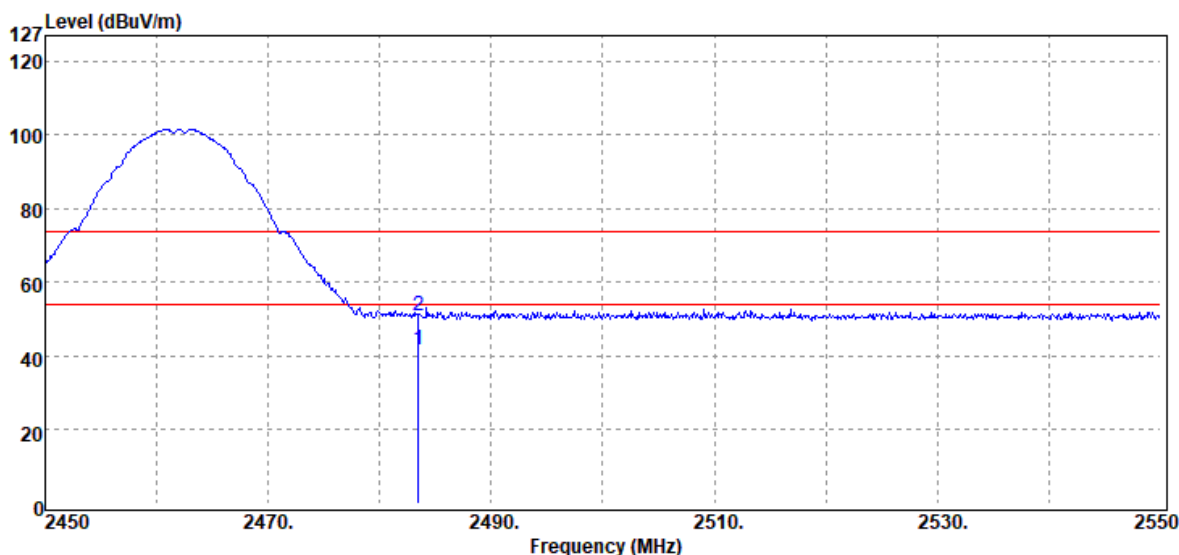
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	41.78	-0.16	41.62	54.00	-12.38
2483.50	Peak	51.32	-0.16	51.16	74.00	-22.84

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Report Number :ER/2021/10055

Operation Mode :802.11b

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

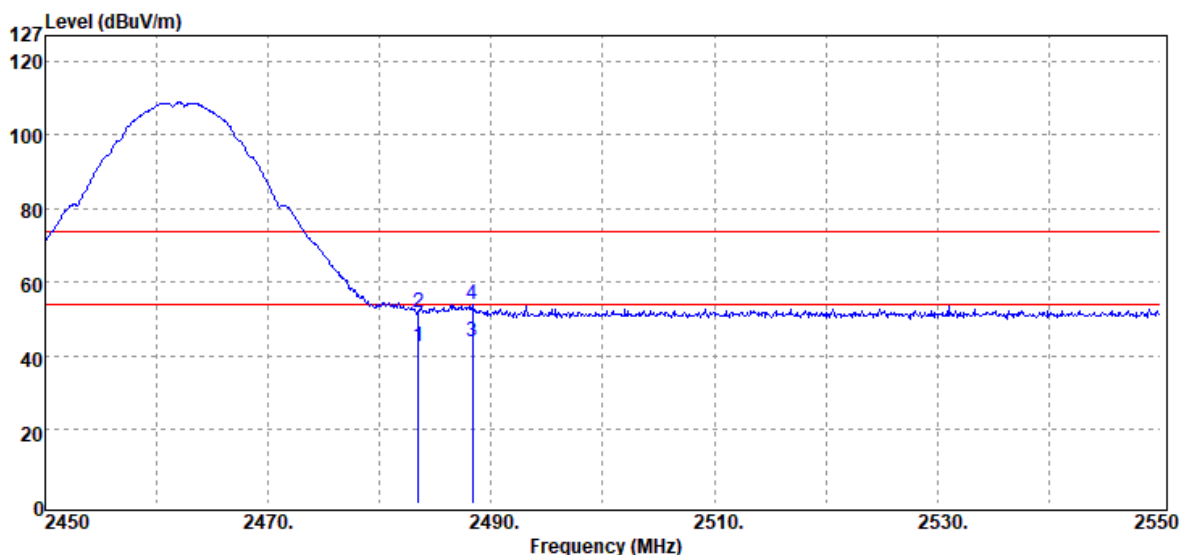
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	42.82	-0.16	42.66	54.00	-11.34
2483.50	Peak	52.17	-0.16	52.01	74.00	-21.99
2488.30	Average	44.04	-0.16	43.88	54.00	-10.12
2488.30	Peak	54.11	-0.16	53.95	74.00	-20.05

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Report Number :ER/2021/10055

Operation Mode :802.11g

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

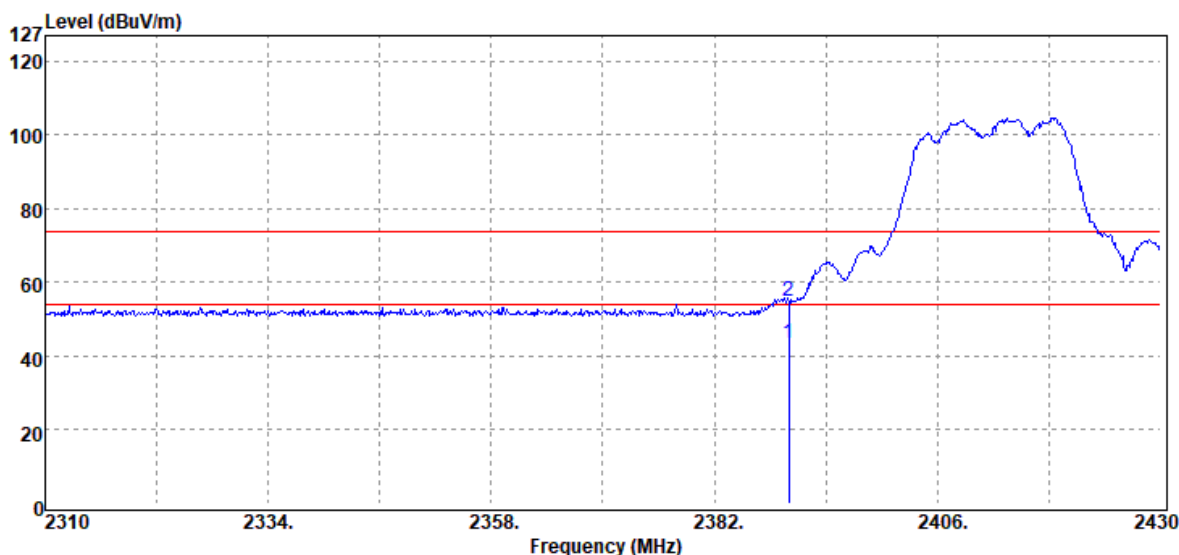
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	43.75	-0.12	43.63	54.00	-10.37
2390.00	Peak	55.22	-0.12	55.10	74.00	-18.90

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Report Number :ER/2021/10055

Operation Mode :802.11g

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

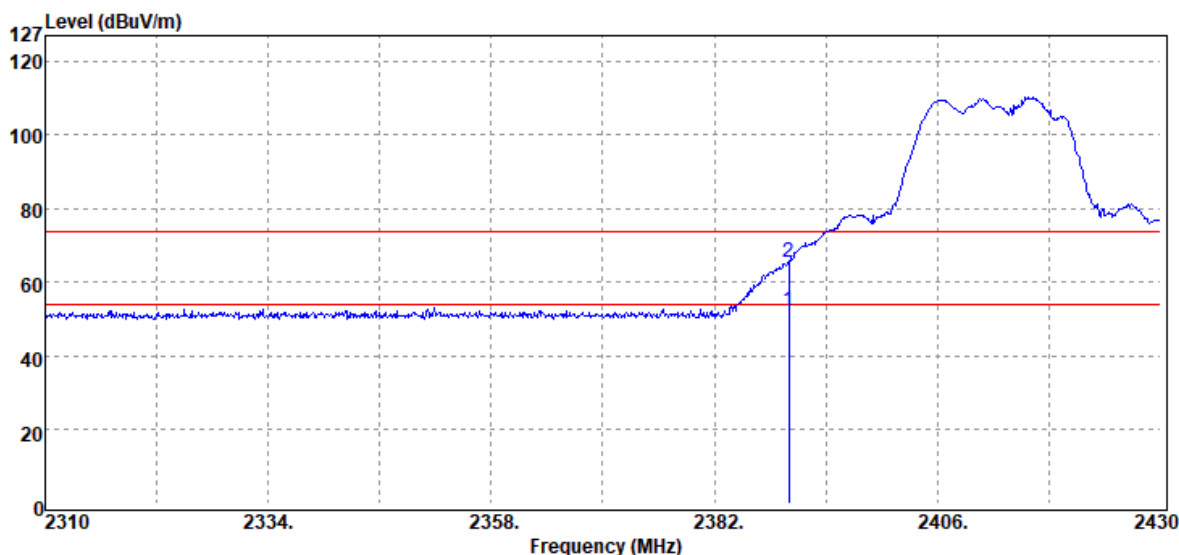
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	52.49	-0.12	52.37	54.00	-1.63
2390.00	Peak	65.75	-0.12	65.63	74.00	-8.37

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Report Number :ER/2021/10055

Operation Mode :802.11g

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

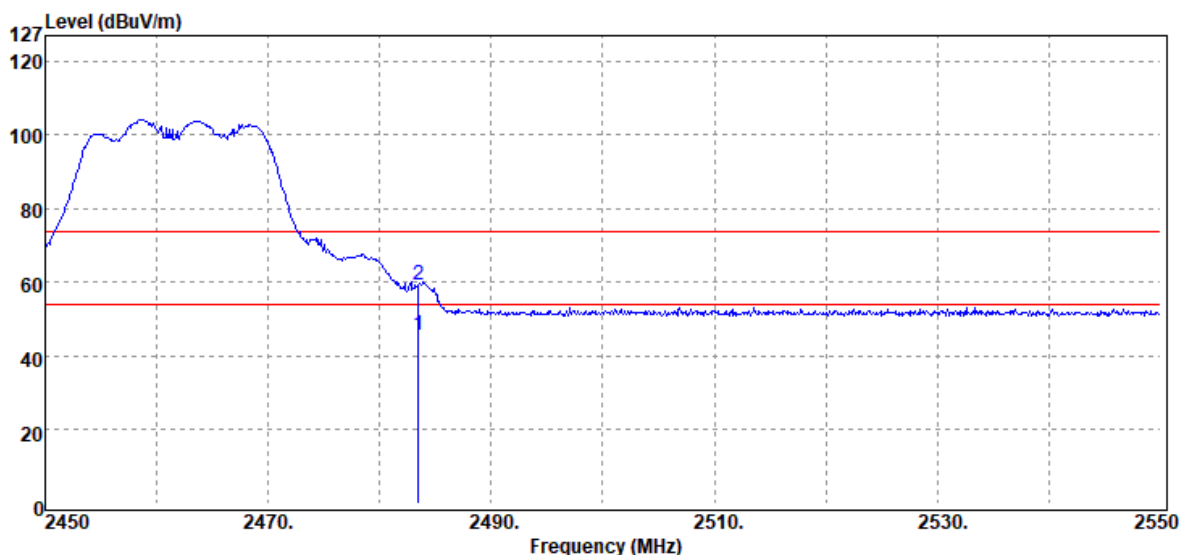
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	45.82	-0.16	45.66	54.00	-8.34
2483.50	Peak	59.68	-0.16	59.52	74.00	-14.48

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Report Number :ER/2021/10055

Operation Mode :802.11g

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

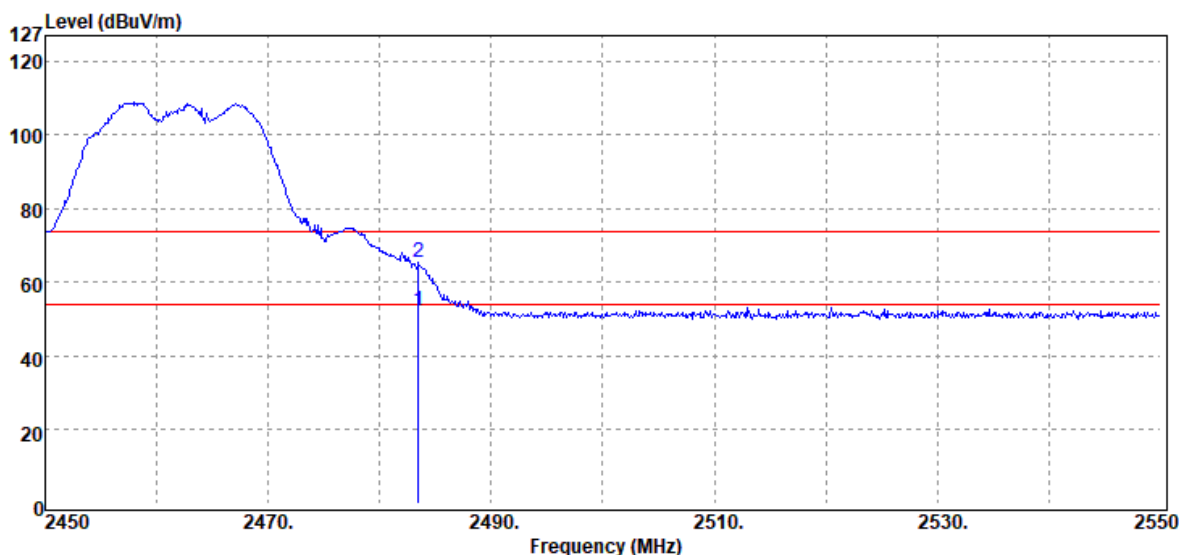
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	52.62	-0.16	52.46	54.00	-1.54
2483.50	Peak	65.78	-0.16	65.62	74.00	-8.38

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Report Number :ER/2021/10055

Operation Mode :802.11n20

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

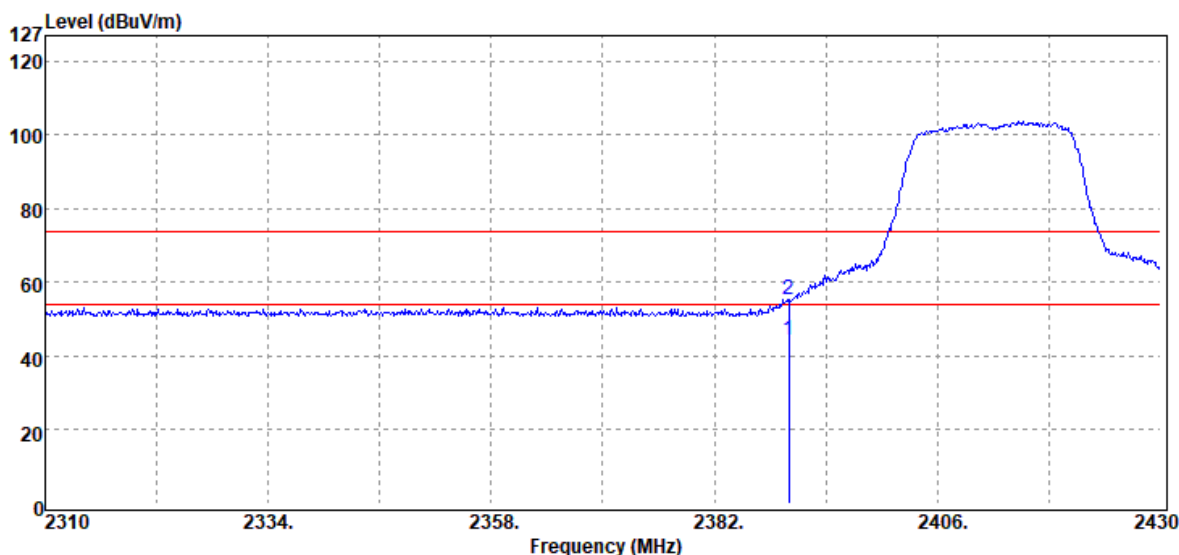
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	44.36	-0.12	44.24	54.00	-9.76
2390.00	Peak	55.43	-0.12	55.31	74.00	-18.69

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Report Number :ER/2021/10055

Operation Mode :802.11n20

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

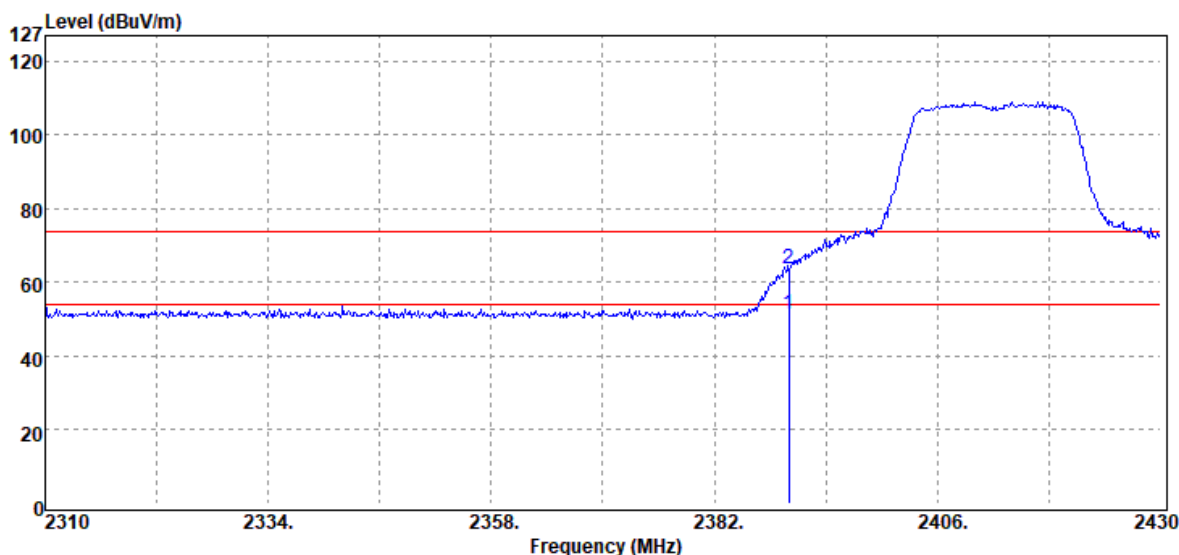
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	51.41	-0.12	51.29	54.00	-2.71
2390.00	Peak	63.85	-0.12	63.73	74.00	-10.27

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Report Number :ER/2021/10055

Operation Mode :802.11n20

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

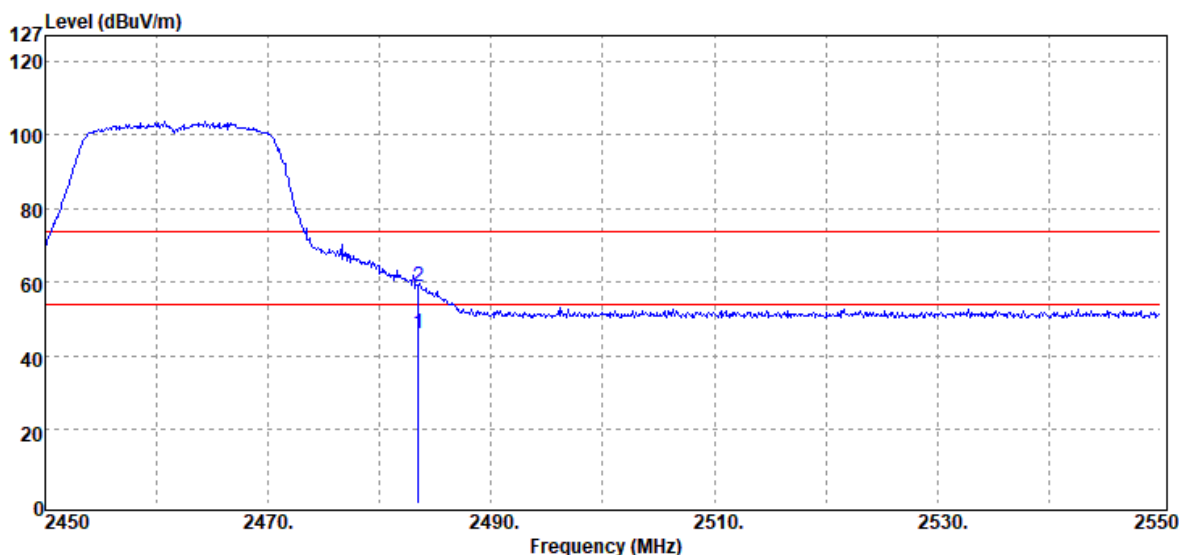
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	46.34	-0.16	46.18	54.00	-7.82
2483.50	Peak	59.12	-0.16	58.96	74.00	-15.04

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Report Number :ER/2021/10055

Operation Mode :802.11n20

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

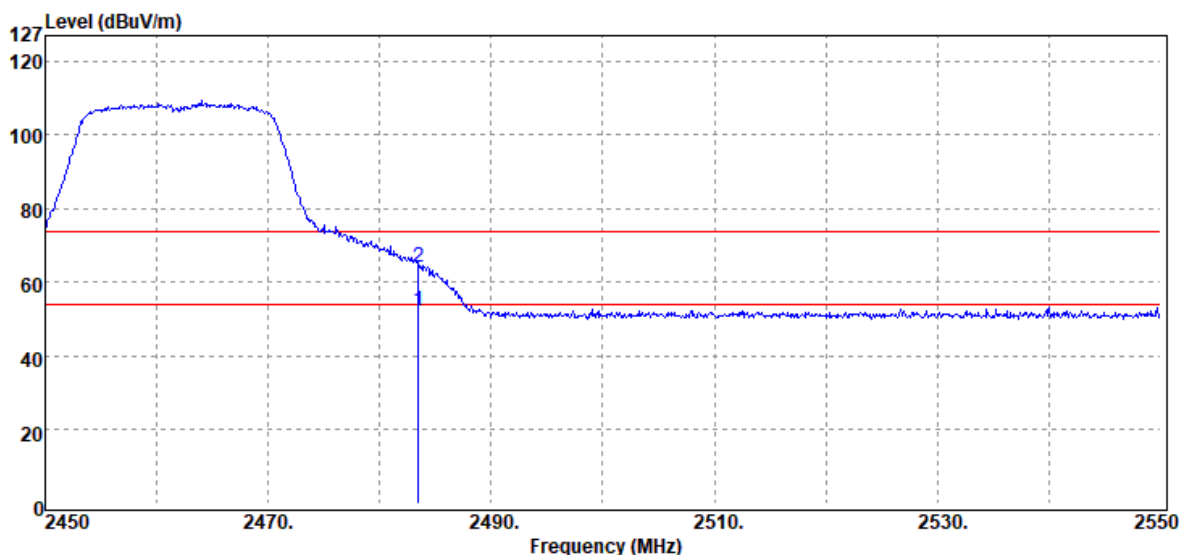
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	52.27	-0.16	52.11	54.00	-1.89
2483.50	Peak	64.37	-0.16	64.21	74.00	-9.79

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Report Number :ER/2021/10055

Operation Mode :802.11n40

Test Frequency :2422 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

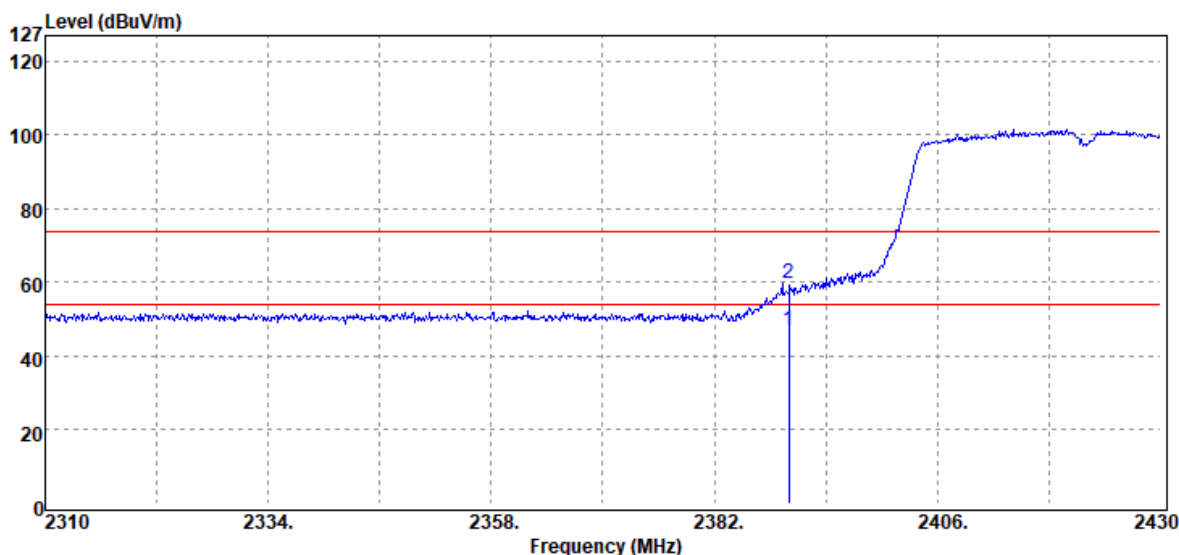
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	47.35	-0.12	47.23	54.00	-6.77
2390.00	Peak	59.81	-0.12	59.69	74.00	-14.31

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Report Number :ER/2021/10055

Operation Mode :802.11n40

Test Frequency :2422 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

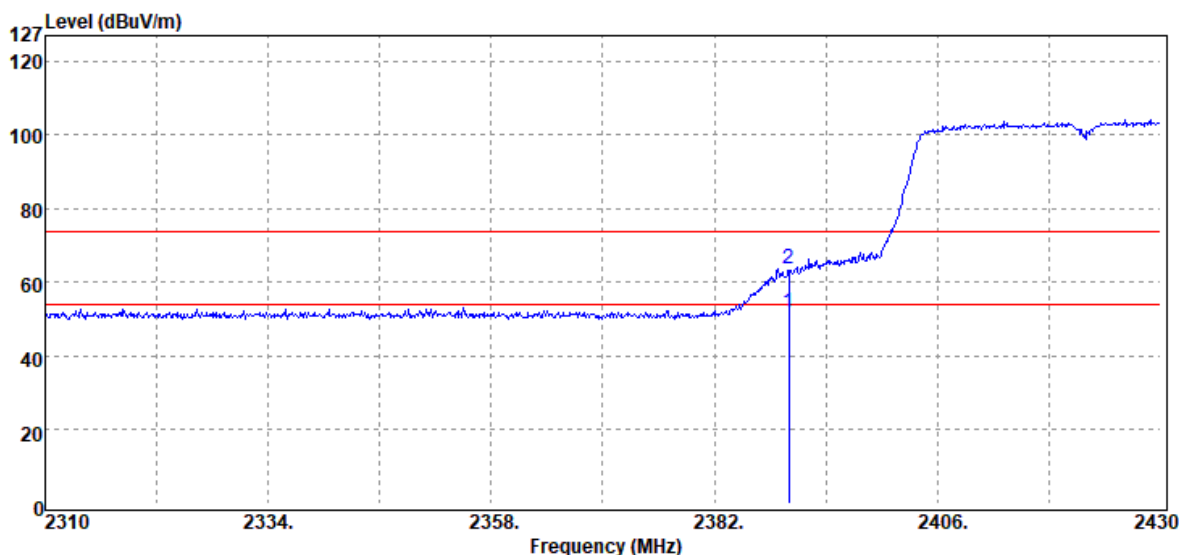
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	52.05	-0.12	51.93	54.00	-2.07
2390.00	Peak	63.87	-0.12	63.75	74.00	-10.25

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Report Number :ER/2021/10055

Operation Mode :802.11n40

Test Frequency :2452 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

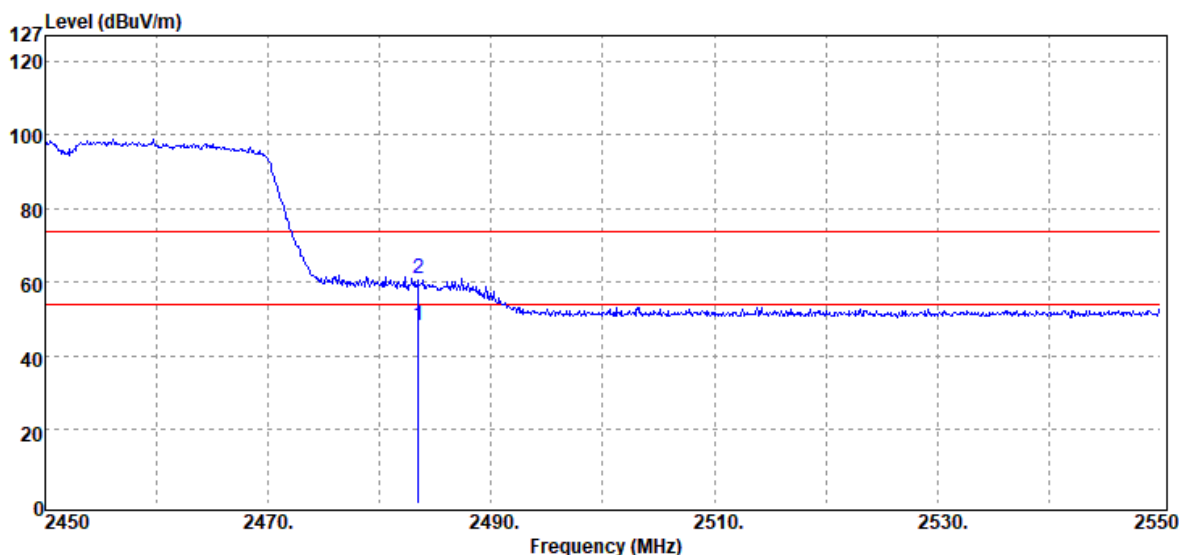
Test Site :SAC I Chamber

Test Date :2021-03-08

Temp./Humi. :23.0/64

Antenna Pol. :VERTICAL

Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	48.56	-0.16	48.40	54.00	-5.60
2483.50	Peak	61.44	-0.16	61.28	74.00	-12.72

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Report Number :ER/2021/10055

Operation Mode :802.11n40

Test Frequency :2452 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

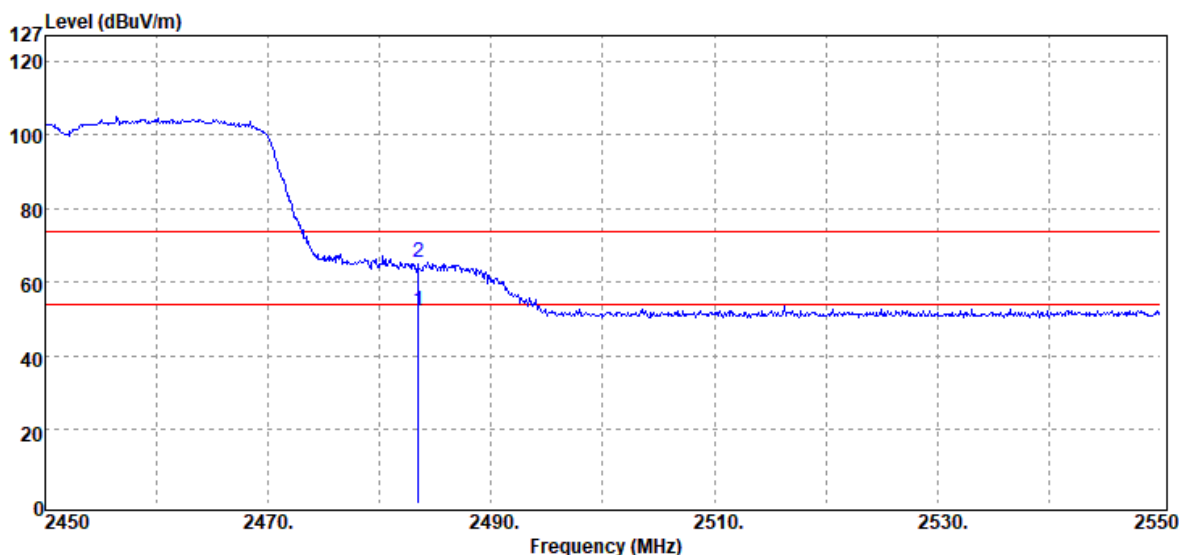
Test Site :SAC I Chamber

Test Date :2021-03-08

Temp./Humi. :23.0/64

Antenna Pol. :HORIZONTAL

Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	52.29	-0.16	52.13	54.00	-1.87
2483.50	Peak	65.64	-0.16	65.48	74.00	-8.52

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Report Number :ER/2021/10055

Operation Mode :802.11ax20

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

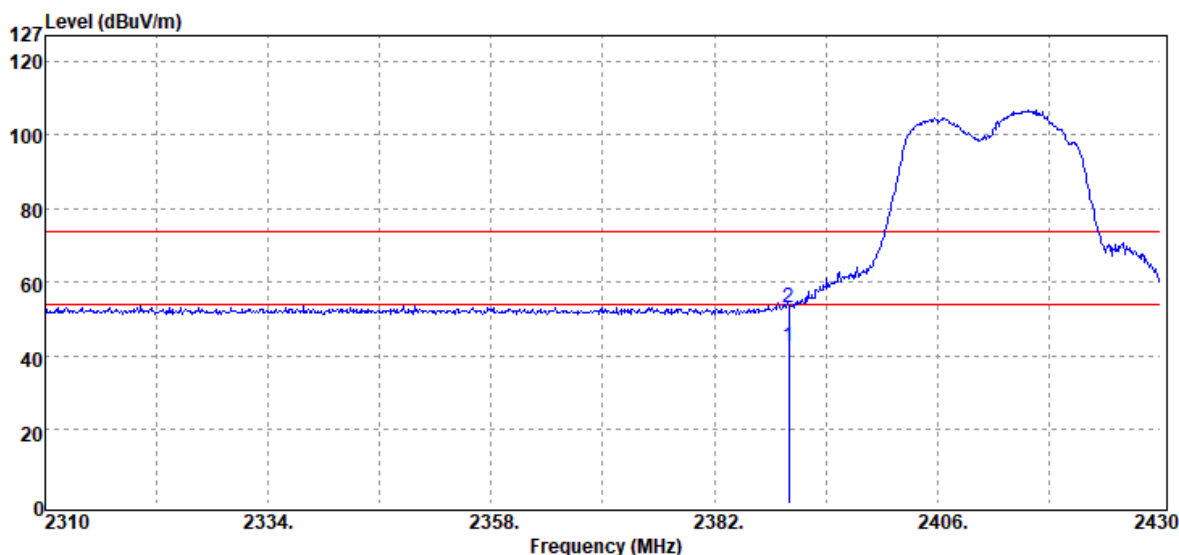
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	42.69	-0.12	42.57	54.00	-11.43
2390.00	Peak	53.47	-0.12	53.35	74.00	-20.65

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Report Number :ER/2021/10055

Operation Mode :802.11ax20

Test Frequency :2412 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

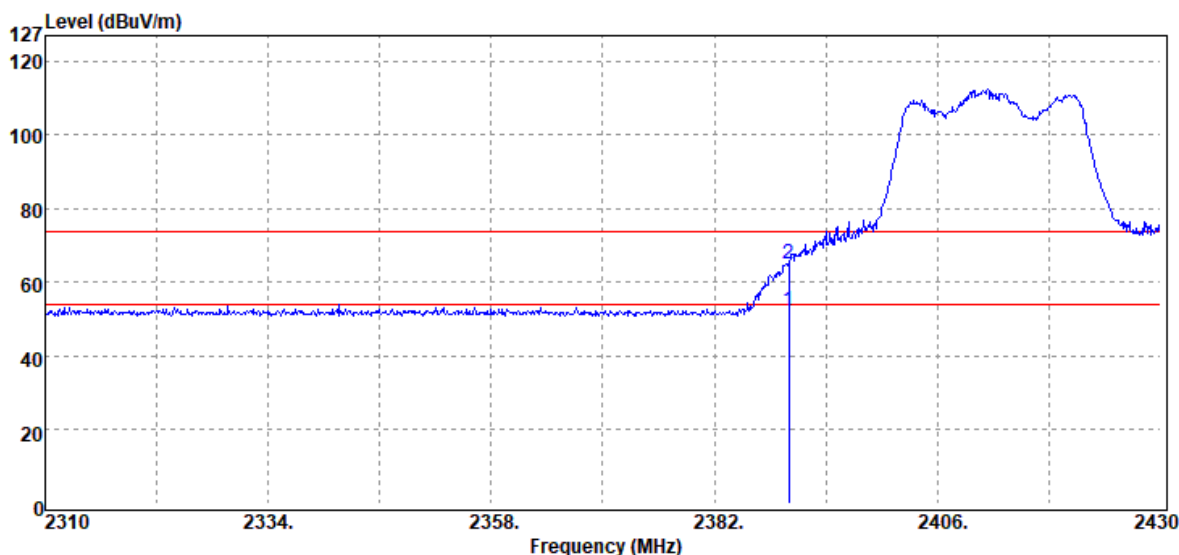
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	52.44	-0.12	52.32	54.00	-1.68
2390.00	Peak	65.00	-0.12	64.88	74.00	-9.12

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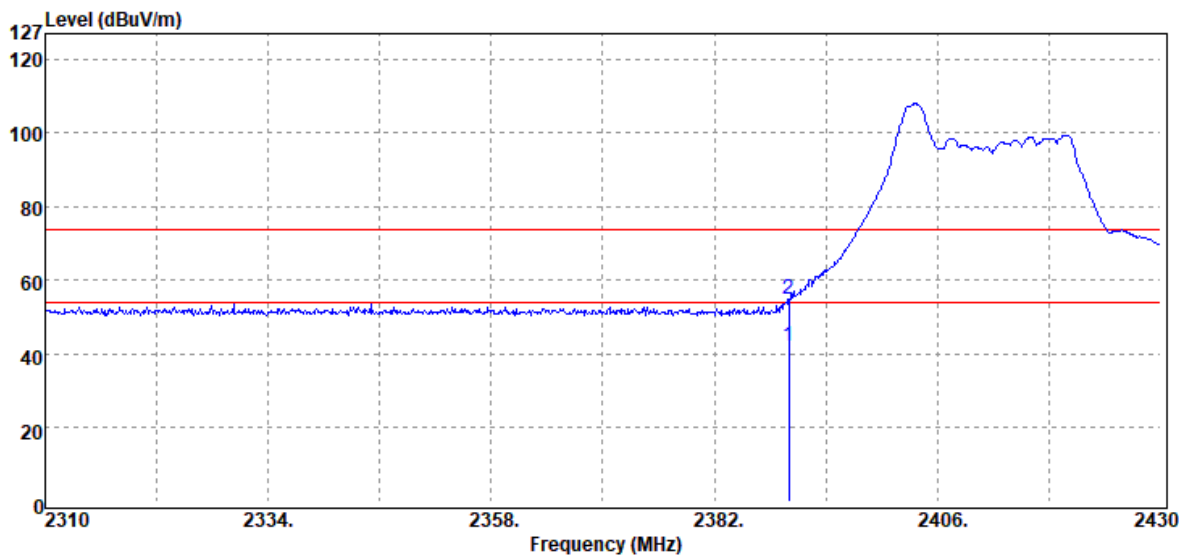
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 26/0
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-27
 Temp./Humi. :23.3/62
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	42.16	-0.12	42.04	54.00	-11.96
2390.00	Peak	55.26	-0.12	55.14	74.00	-18.86

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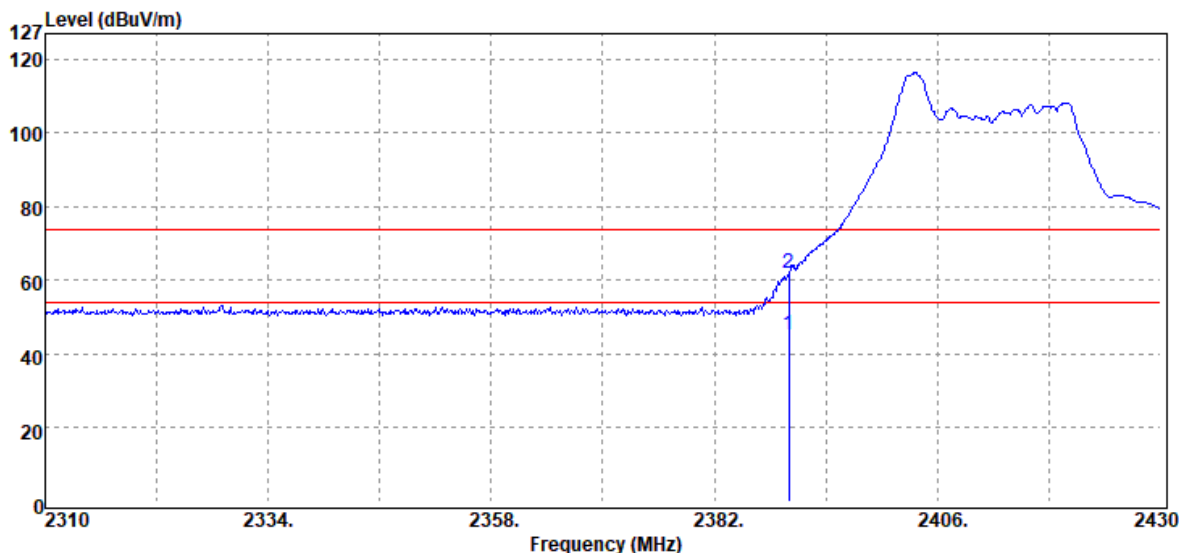
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 26/0
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-27
 Temp./Humi. :23.3/62
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	45.53	-0.12	45.41	54.00	-8.59
2390.00	Peak	62.27	-0.12	62.15	74.00	-11.85

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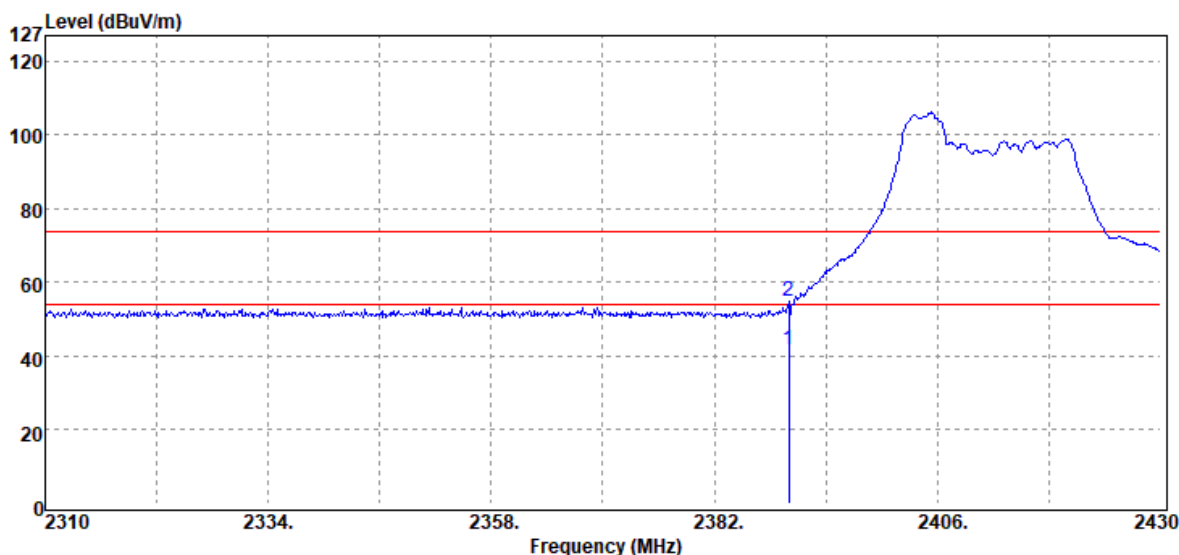
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 52/37
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-27
 Temp./Humi. :23.3/62
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	42.05	-0.12	41.93	54.00	-12.07
2390.00	Peak	55.20	-0.12	55.08	74.00	-18.92

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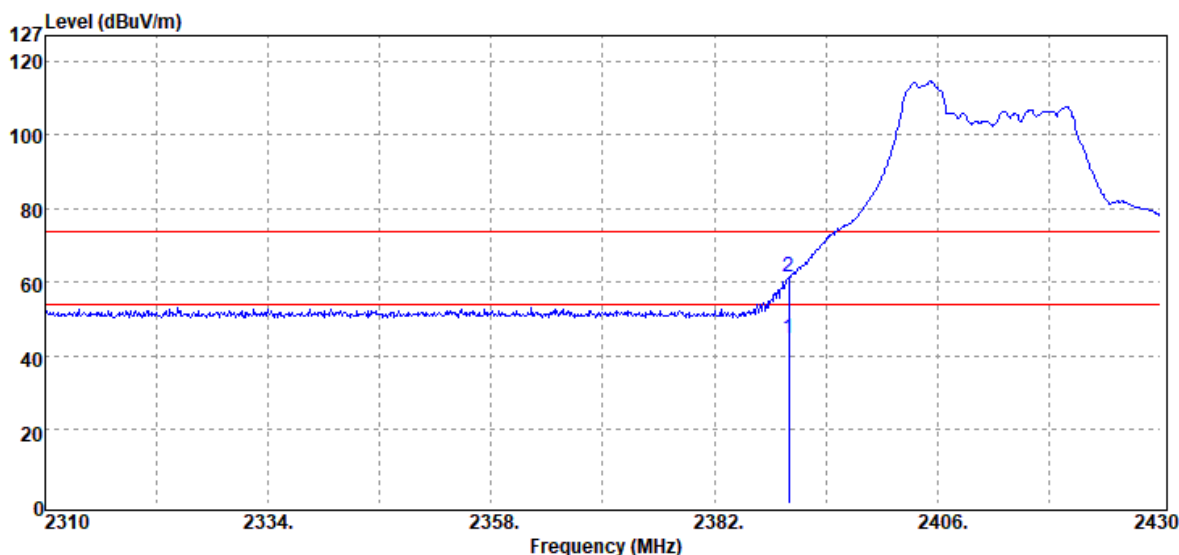
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 52/37
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-27
 Temp./Humi. :23.3/62
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	44.79	-0.12	44.67	54.00	-9.33
2390.00	Peak	61.61	-0.12	61.49	74.00	-12.51

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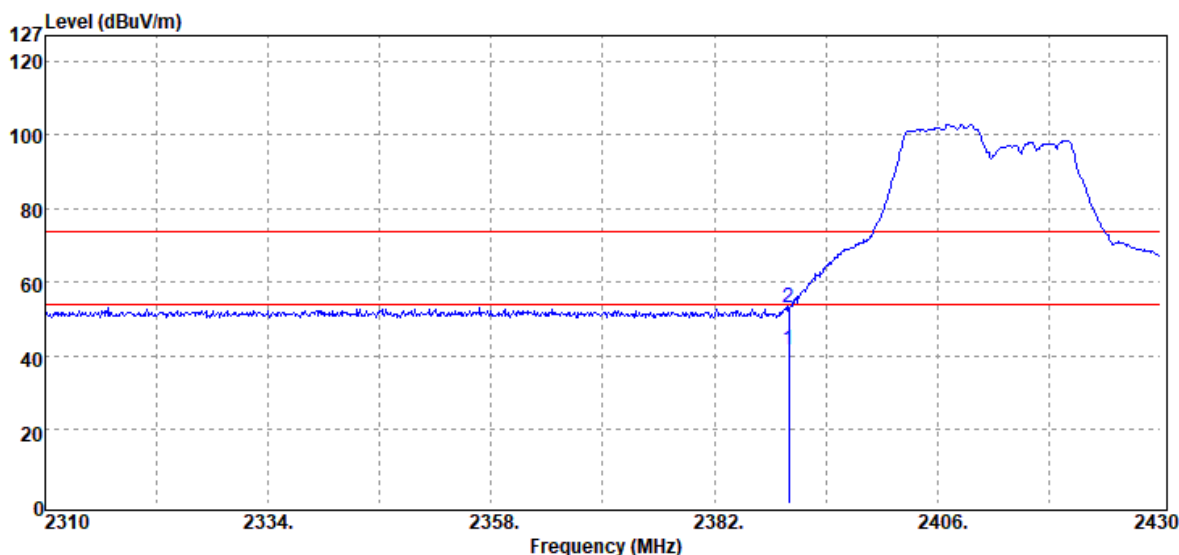
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 106/53
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-27
 Temp./Humi. :23.3/62
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	41.91	-0.12	41.79	54.00	-12.21
2390.00	Peak	53.17	-0.12	53.05	74.00	-20.95

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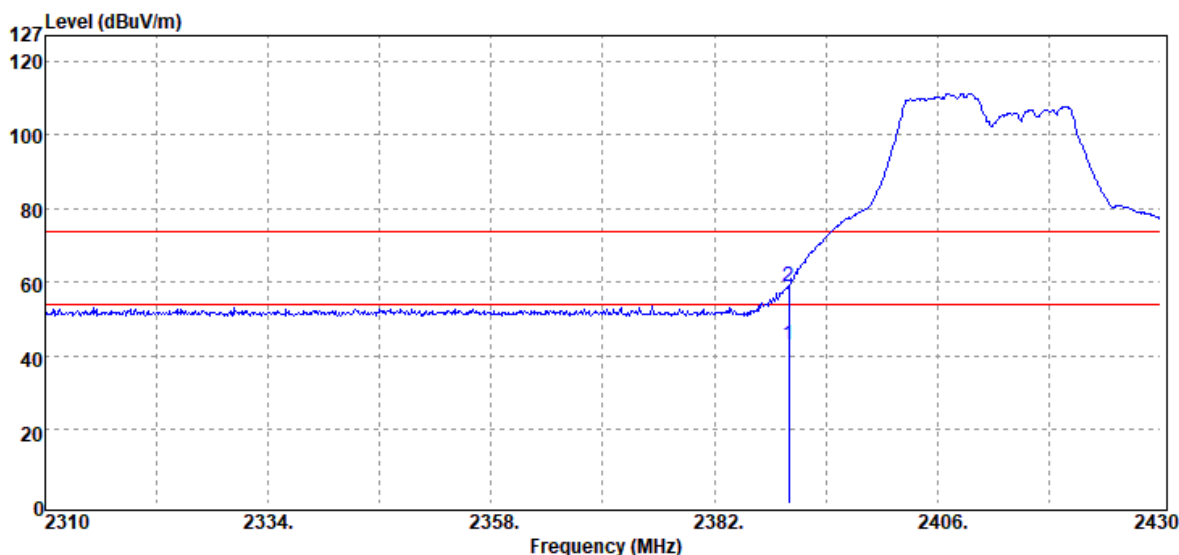
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 106/53
 Test Frequency :2412 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-27
 Temp./Humi. :23.3/62
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	43.25	-0.12	43.13	54.00	-10.87
2390.00	Peak	59.09	-0.12	58.97	74.00	-15.03

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Report Number :ER/2021/10055

Operation Mode :802.11ax20

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

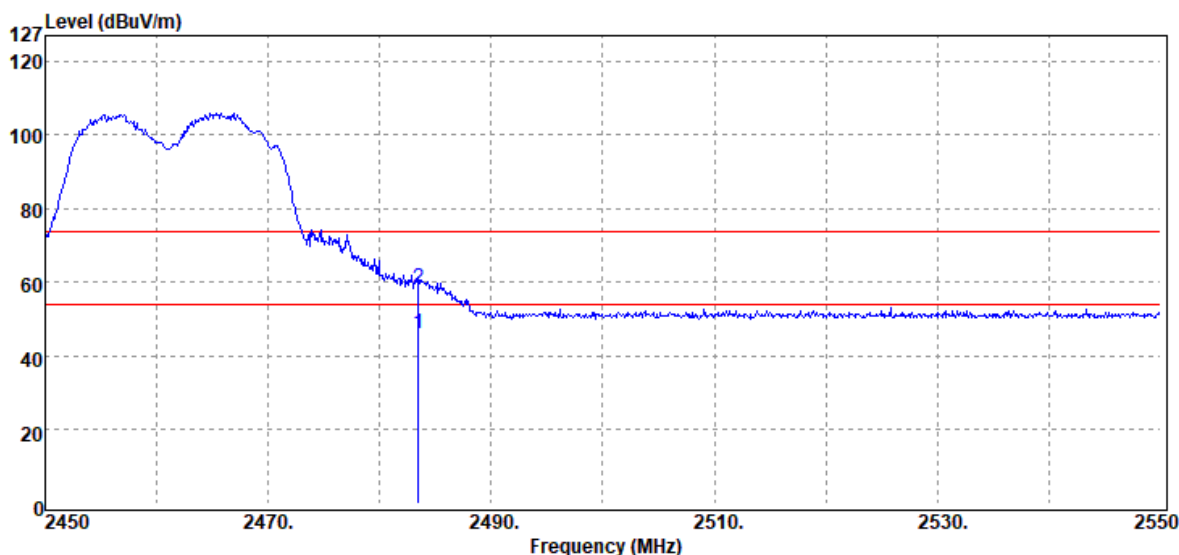
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	46.47	-0.16	46.31	54.00	-7.69
2483.50	Peak	58.82	-0.16	58.66	74.00	-15.34

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Report Number :ER/2021/10055

Operation Mode :802.11ax20

Test Frequency :2462 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

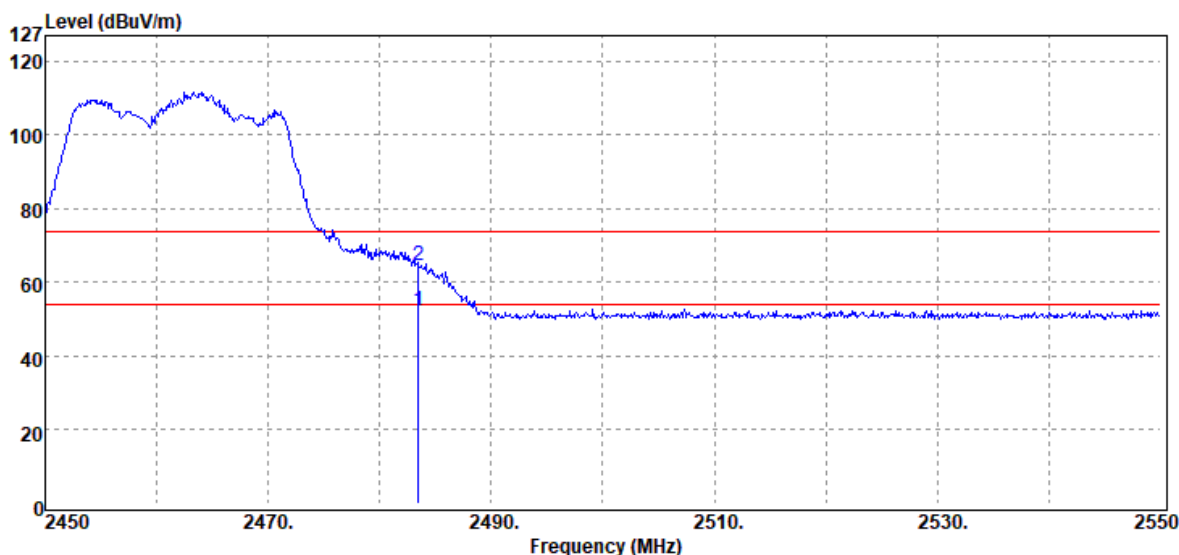
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	52.47	-0.16	52.31	54.00	-1.69
2483.50	Peak	64.82	-0.16	64.66	74.00	-9.34

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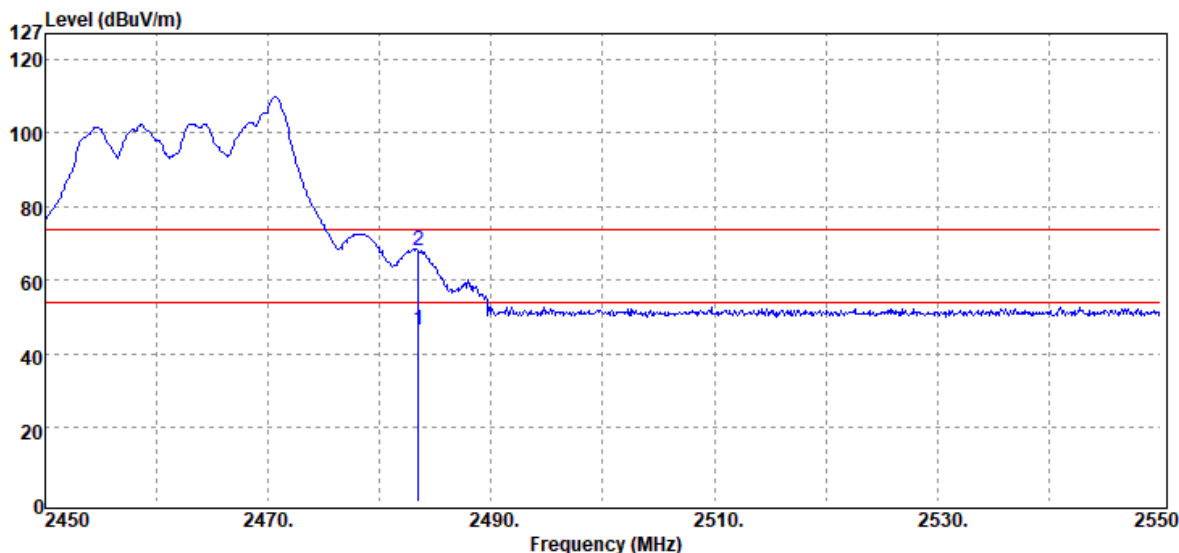
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 26/8
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-03
 Temp./Humi. :22.5/55
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	46.86	-0.16	46.70	54.00	-7.30
2483.50	Peak	68.13	-0.16	67.97	74.00	-6.03

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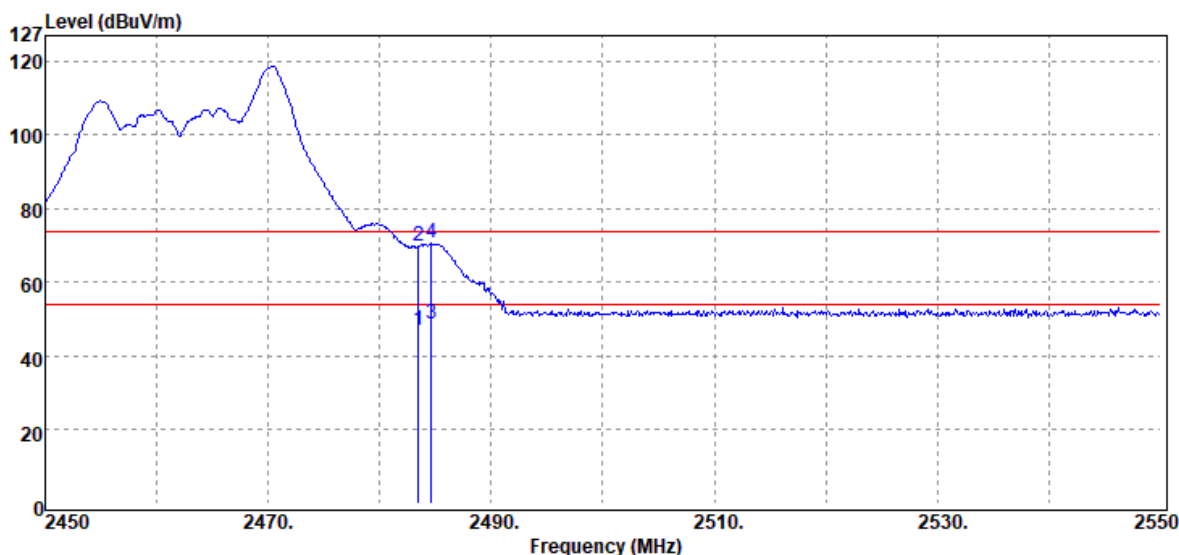
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 26/8
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-03
 Temp./Humi. :22.5/55
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	47.28	-0.16	47.12	54.00	-6.88
2483.50	Peak	69.96	-0.16	69.80	74.00	-4.20
2484.60	Average	48.73	-0.17	48.56	54.00	-5.44
2484.60	Peak	70.88	-0.17	70.71	74.00	-3.29

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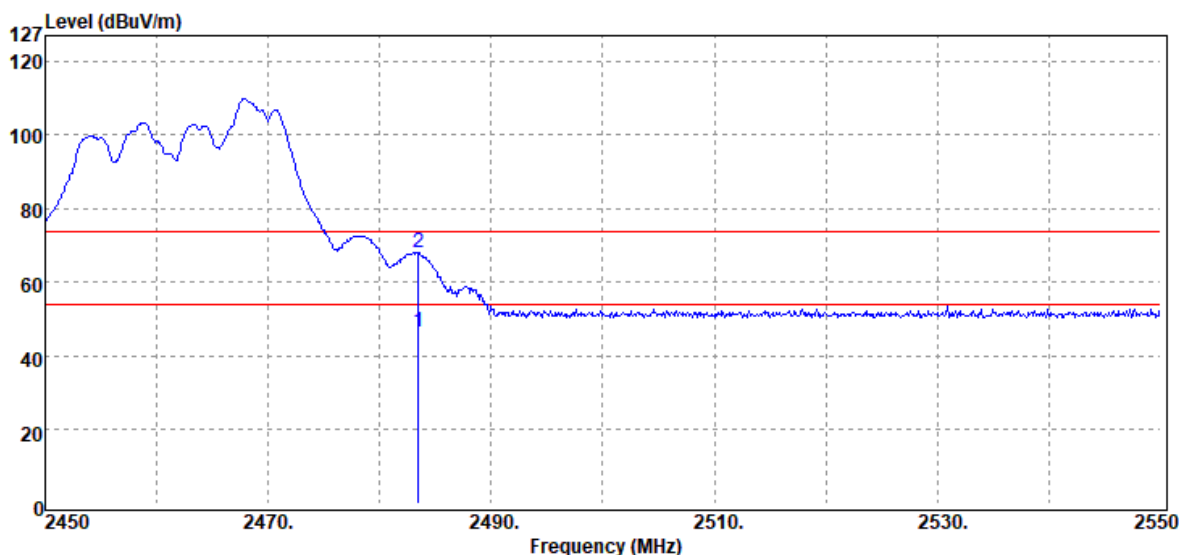
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 52/40
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-03
 Temp./Humi. :22.5/55
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	46.94	-0.16	46.78	54.00	-7.22
2483.50	Peak	68.32	-0.16	68.16	74.00	-5.84

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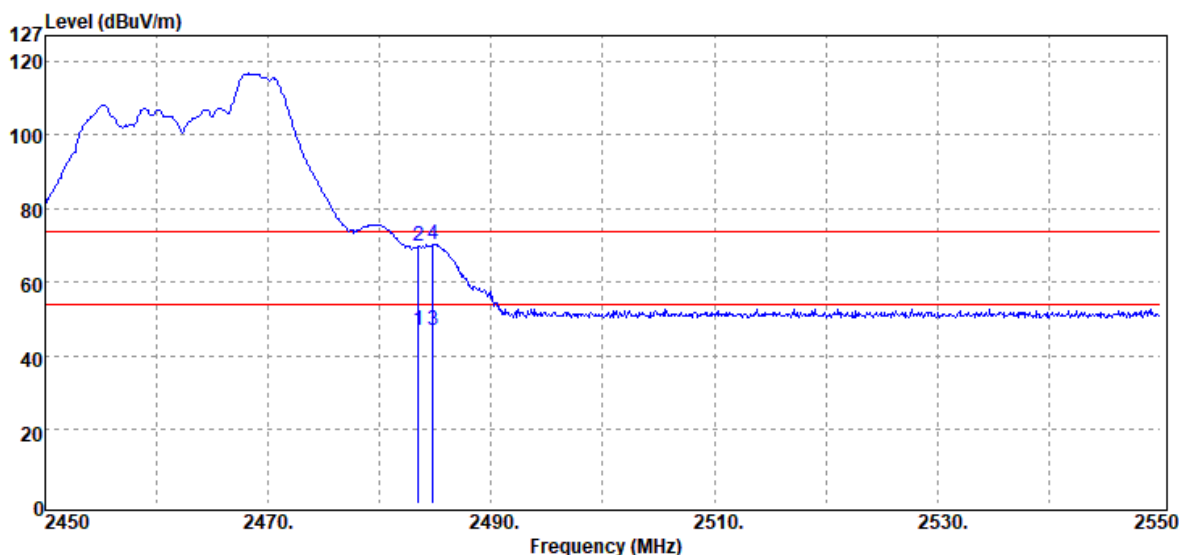
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 52/40
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-03
 Temp./Humi. :22.5/55
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	47.24	-0.16	47.08	54.00	-6.92
2483.50	Peak	69.89	-0.16	69.73	74.00	-4.27
2484.80	Average	47.28	-0.17	47.11	54.00	-6.89
2484.80	Peak	70.49	-0.17	70.32	74.00	-3.68

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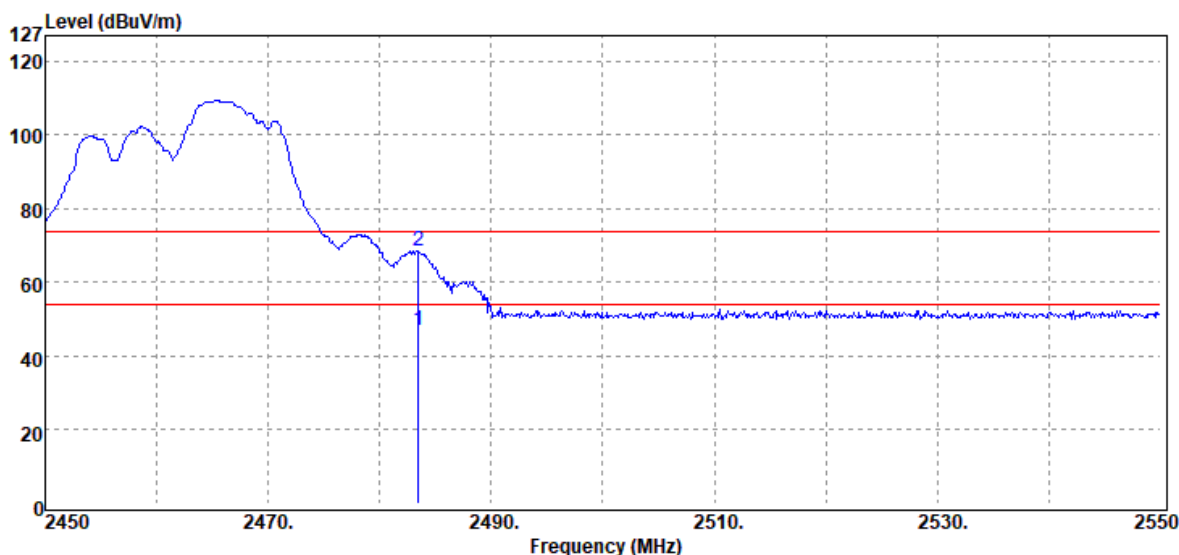
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 106/54
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-03
 Temp./Humi. :22.5/55
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	46.98	-0.16	46.82	54.00	-7.18
2483.50	Peak	68.67	-0.16	68.51	74.00	-5.49

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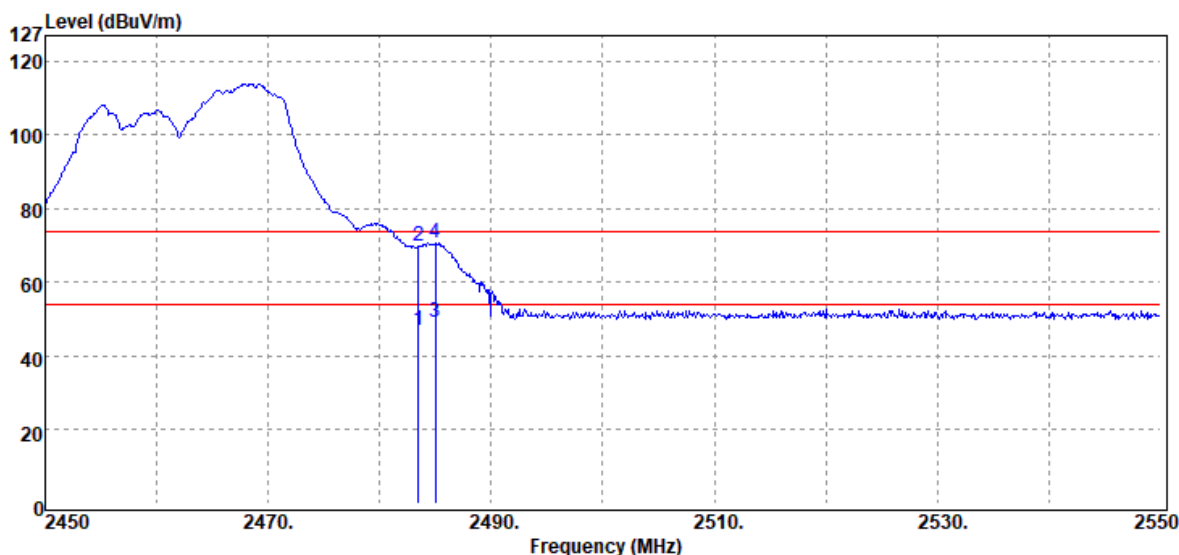
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20 106/54
 Test Frequency :2462 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-03
 Temp./Humi. :22.5/55
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	47.27	-0.16	47.11	54.00	-6.89
2483.50	Peak	70.08	-0.16	69.92	74.00	-4.08
2485.00	Average	49.32	-0.17	49.15	54.00	-4.85
2485.00	Peak	70.92	-0.17	70.75	74.00	-3.25

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Report Number :ER/2021/10055

Operation Mode :802.11ax40

Test Frequency :2422 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

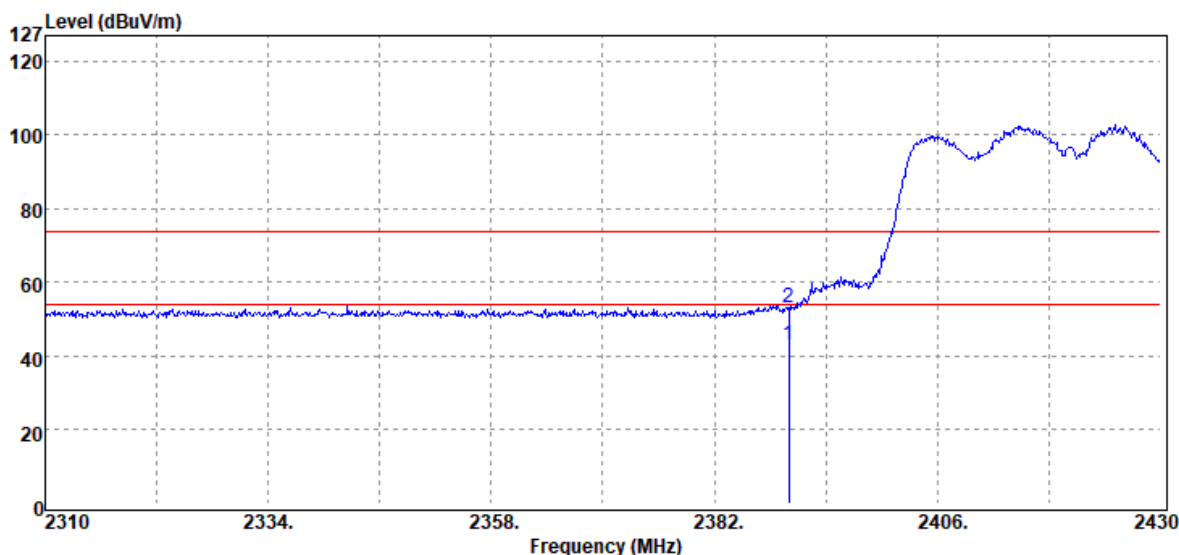
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :VERTICAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	43.10	-0.12	42.98	54.00	-11.02
2390.00	Peak	53.49	-0.12	53.37	74.00	-20.63

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Report Number :ER/2021/10055

Operation Mode :802.11ax40

Test Frequency :2422 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

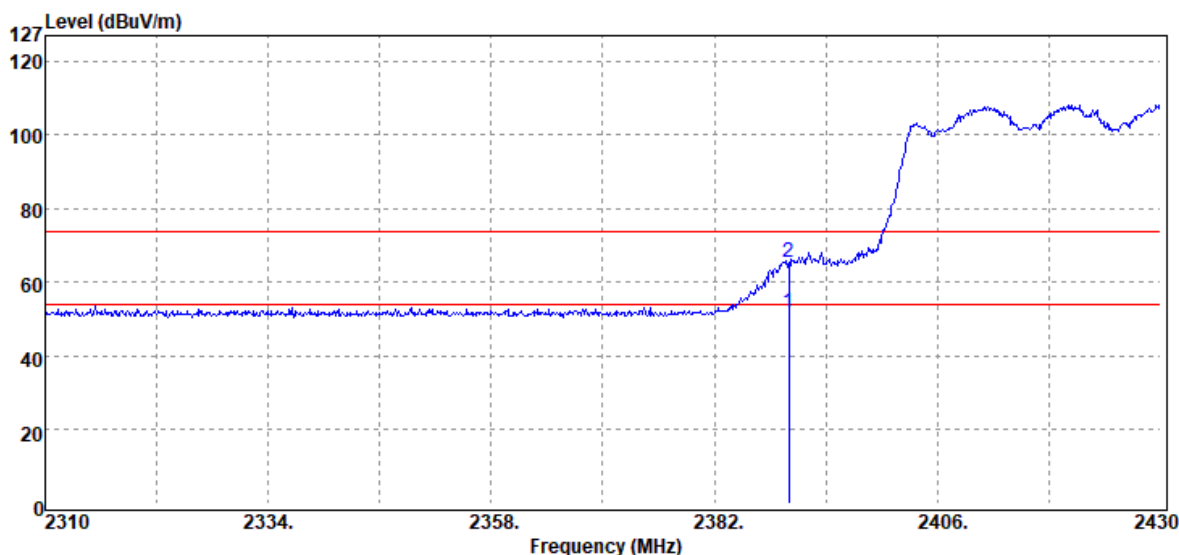
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	52.19	-0.12	52.07	54.00	-1.93
2390.00	Peak	65.61	-0.12	65.49	74.00	-8.51

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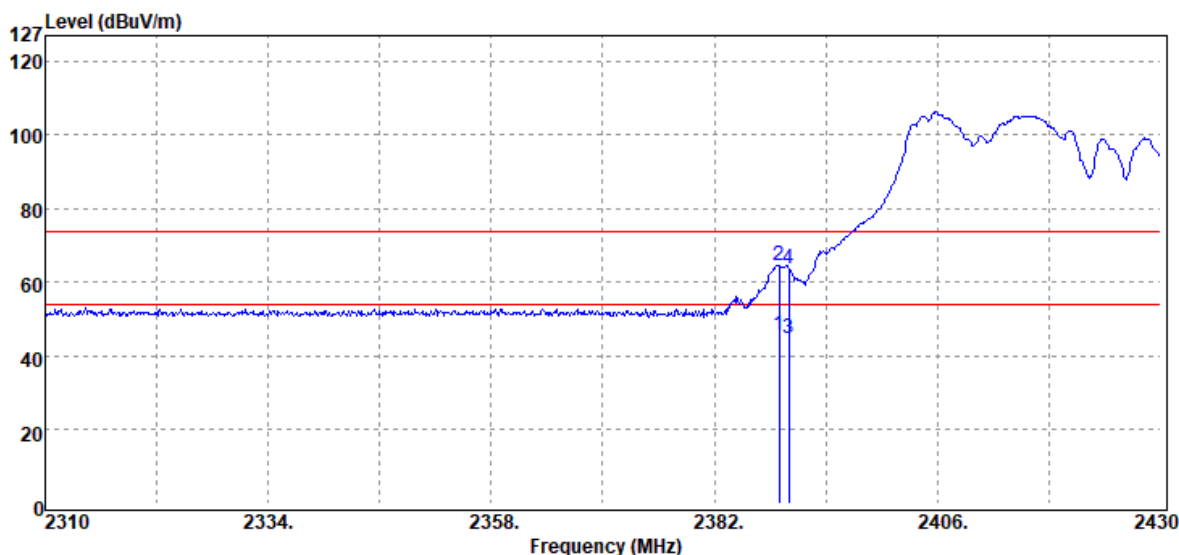
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40 242/61
 Test Frequency :2422 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-02
 Temp./Humi. :23.8/59
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.96	Average	45.77	-0.11	45.66	54.00	-8.34
2388.96	Peak	64.86	-0.11	64.75	74.00	-9.25
2390.00	Average	44.89	-0.12	44.77	54.00	-9.23
2390.00	Peak	64.00	-0.12	63.88	74.00	-10.12

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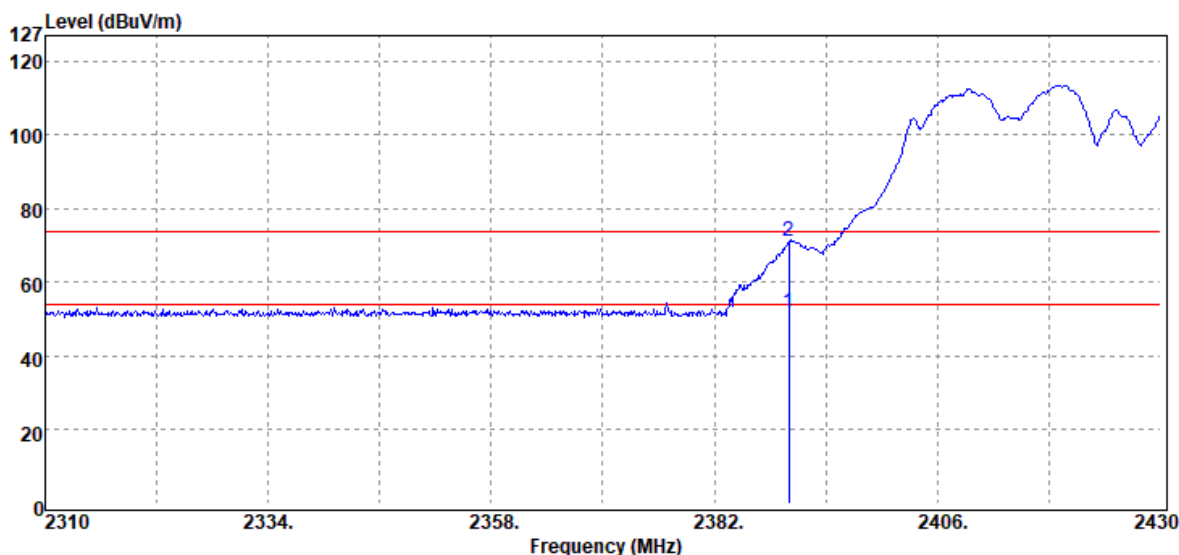
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40 242/61
 Test Frequency :2422 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-02
 Temp./Humi. :23.8/59
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	Average	52.13	-0.12	52.01	54.00	-1.99
2390.00	Peak	71.30	-0.12	71.18	74.00	-2.82

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.

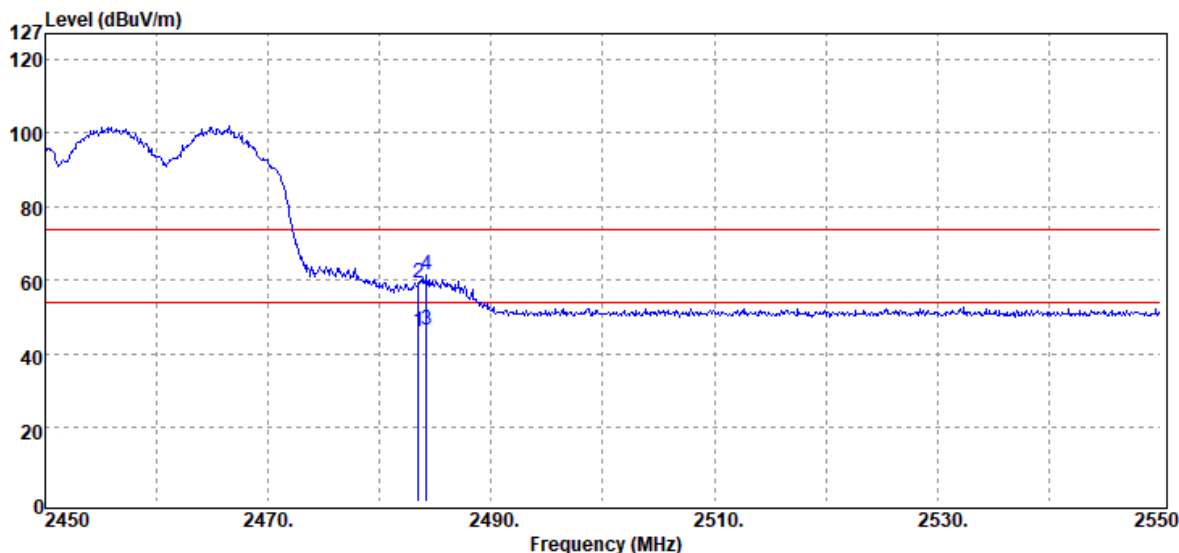
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-25
 Temp./Humi. :23.2/62
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	46.11	-0.16	45.95	54.00	-8.05
2483.50	Peak	59.36	-0.16	59.20	74.00	-14.80
2484.20	Average	46.57	-0.17	46.40	54.00	-7.60
2484.20	Peak	61.70	-0.17	61.53	74.00	-12.47

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Report Number :ER/2021/10055

Operation Mode :802.11ax40

Test Frequency :2452 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

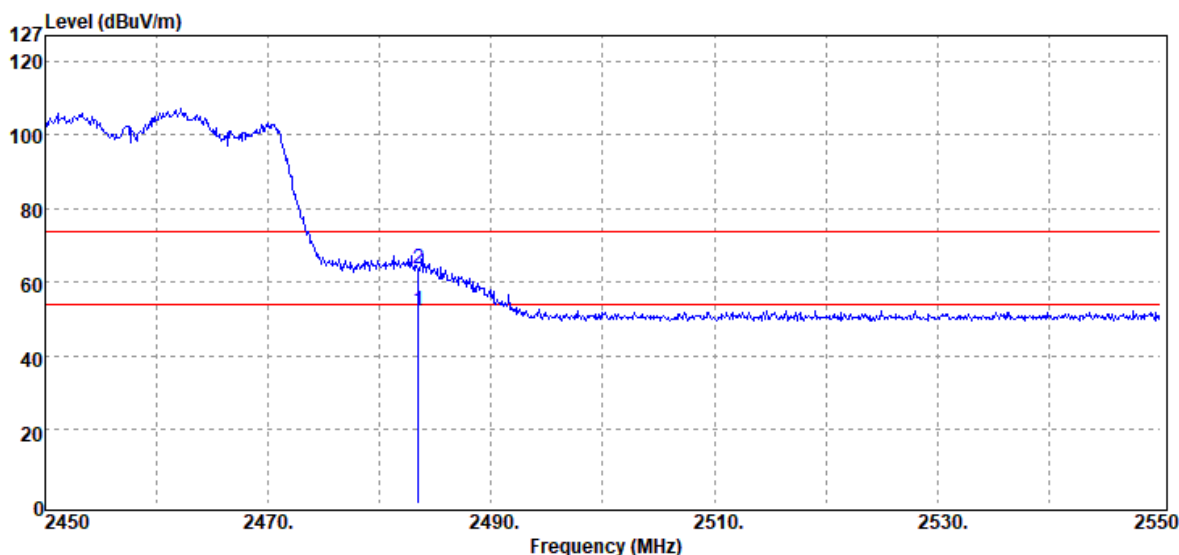
Test Site :SAC I Chamber

Test Date :2021-02-25

Temp./Humi. :23.2/62

Antenna Pol. :HORIZONTAL

Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	52.24	-0.16	52.08	54.00	-1.92
2483.50	Peak	64.04	-0.16	63.88	74.00	-10.12

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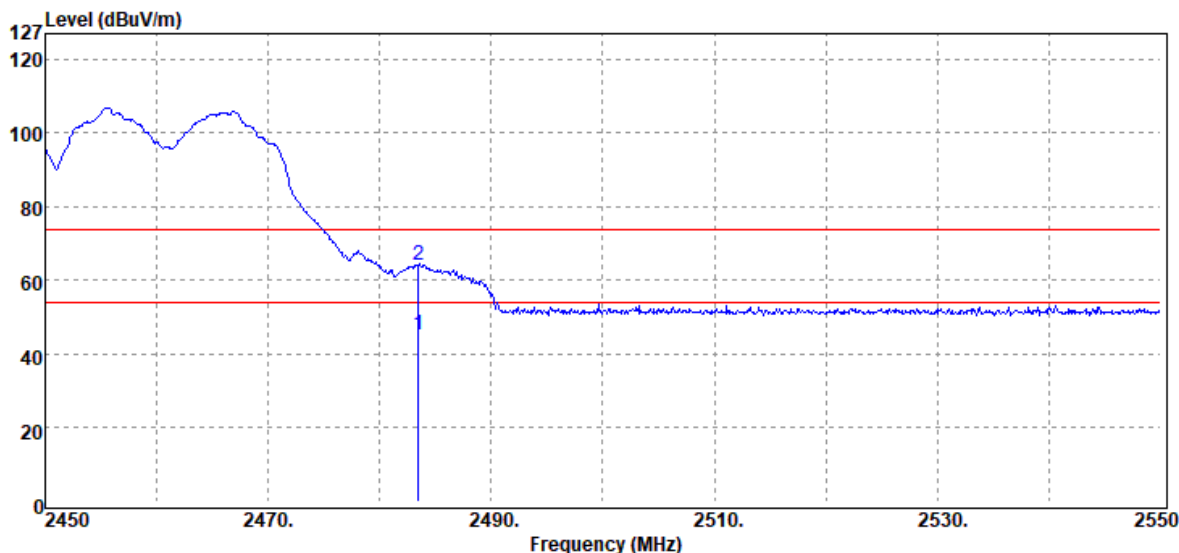
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40 242/62
 Test Frequency :2452 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-02
 Temp./Humi. :23.8/59
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	45.34	-0.16	45.18	54.00	-8.82
2483.50	Peak	64.46	-0.16	64.30	74.00	-9.70

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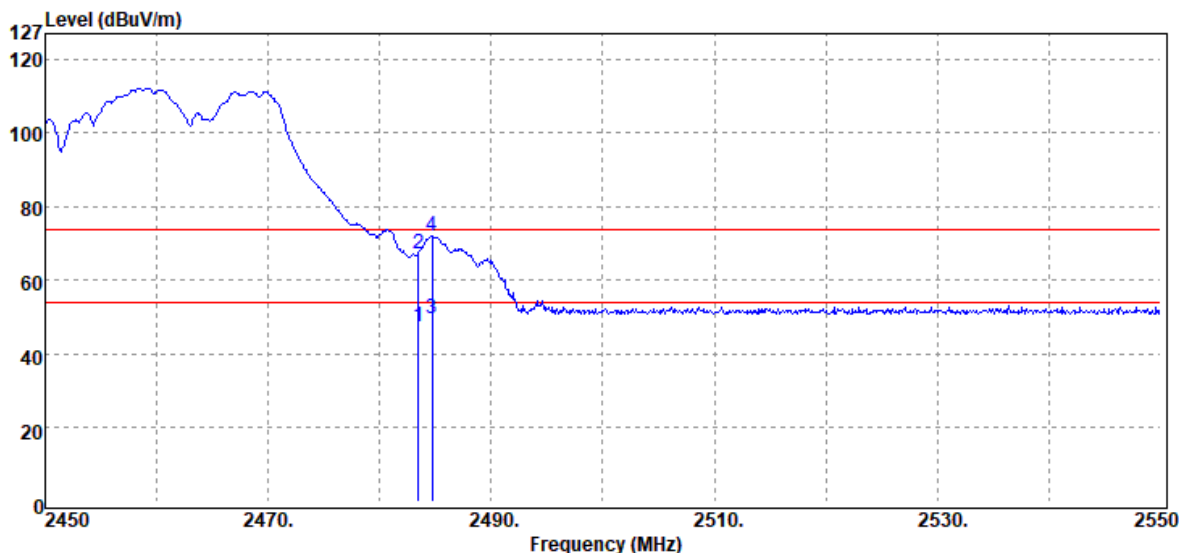
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40 242/62
 Test Frequency :2452 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-03-02
 Temp./Humi. :23.8/59
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	47.44	-0.16	47.28	54.00	-6.72
2483.50	Peak	67.48	-0.16	67.32	74.00	-6.68
2484.70	Average	49.80	-0.17	49.63	54.00	-4.37
2484.70	Peak	72.11	-0.17	71.94	74.00	-2.06

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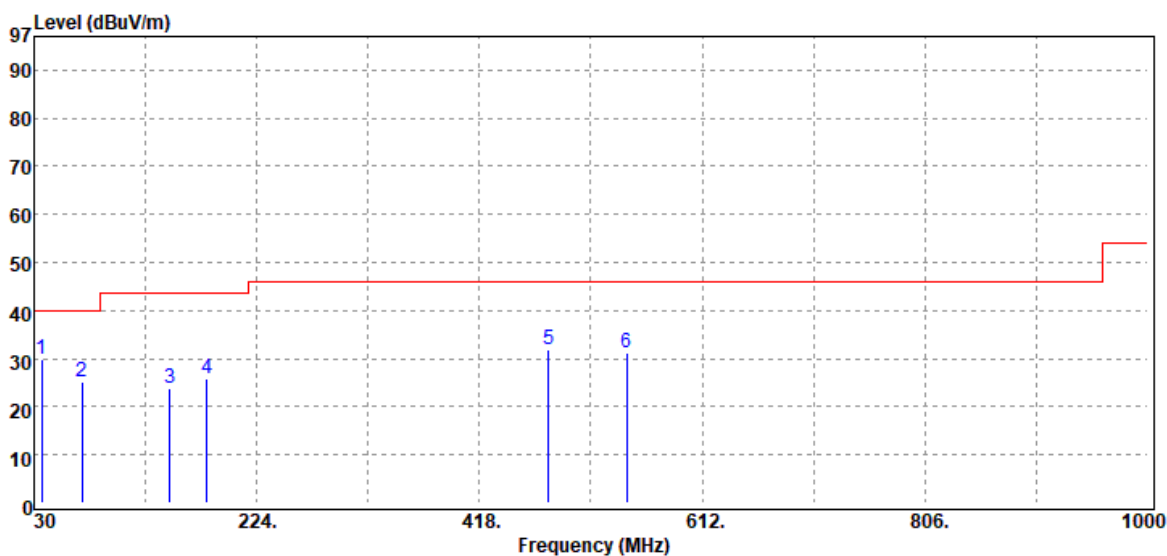
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11.7.2 Below 1GHz Worst-Case Emission:

Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
36.79	Peak	38.14	-8.40	29.74	40.00	-10.26
71.71	Peak	42.68	-17.50	25.18	40.00	-14.82
148.34	Peak	36.34	-12.65	23.69	43.50	-19.81
180.35	Peak	39.91	-14.23	25.68	43.50	-17.82
478.14	Peak	37.97	-5.98	31.99	46.00	-14.01
546.04	Peak	34.91	-3.61	31.30	46.00	-14.70

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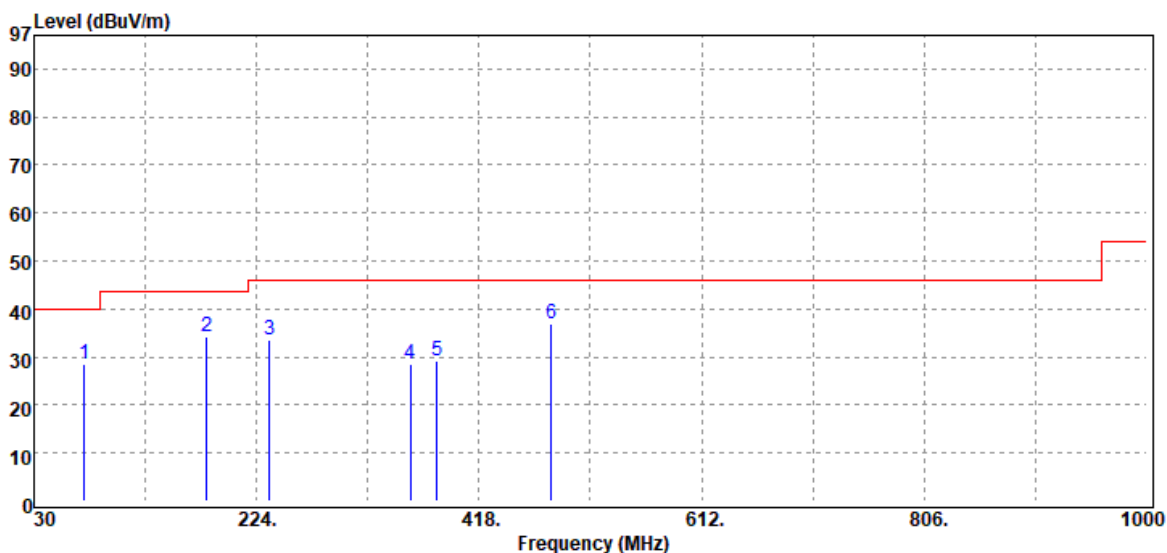
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
73.65	Peak	46.19	-17.59	28.60	40.00	-11.40
180.35	Peak	48.53	-14.23	34.30	43.50	-9.20
235.64	Peak	45.51	-11.84	33.67	46.00	-12.33
357.86	Peak	36.59	-7.98	28.61	46.00	-17.39
381.14	Peak	37.04	-7.84	29.20	46.00	-16.80
481.05	Peak	42.75	-5.94	36.81	46.00	-9.19

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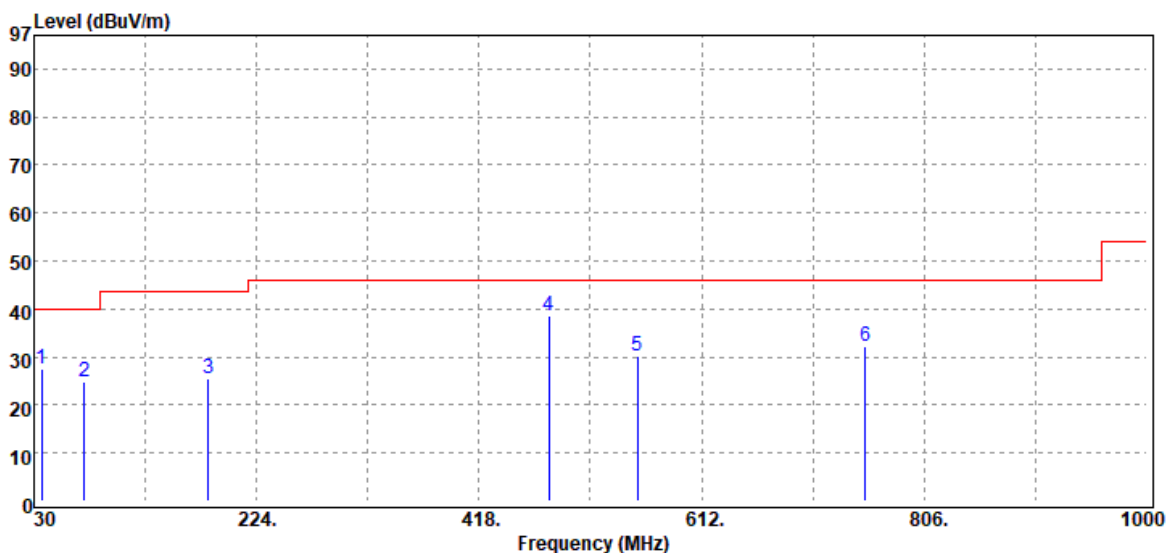
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 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
36.79	Peak	36.04	-8.40	27.64	40.00	-12.36
73.65	Peak	42.28	-17.59	24.69	40.00	-15.31
182.29	Peak	39.80	-14.35	25.45	43.50	-18.05
479.11	Peak	44.61	-5.96	38.65	46.00	-7.35
555.74	Peak	34.01	-3.96	30.05	46.00	-15.95
754.59	Peak	34.80	-2.43	32.37	46.00	-13.63

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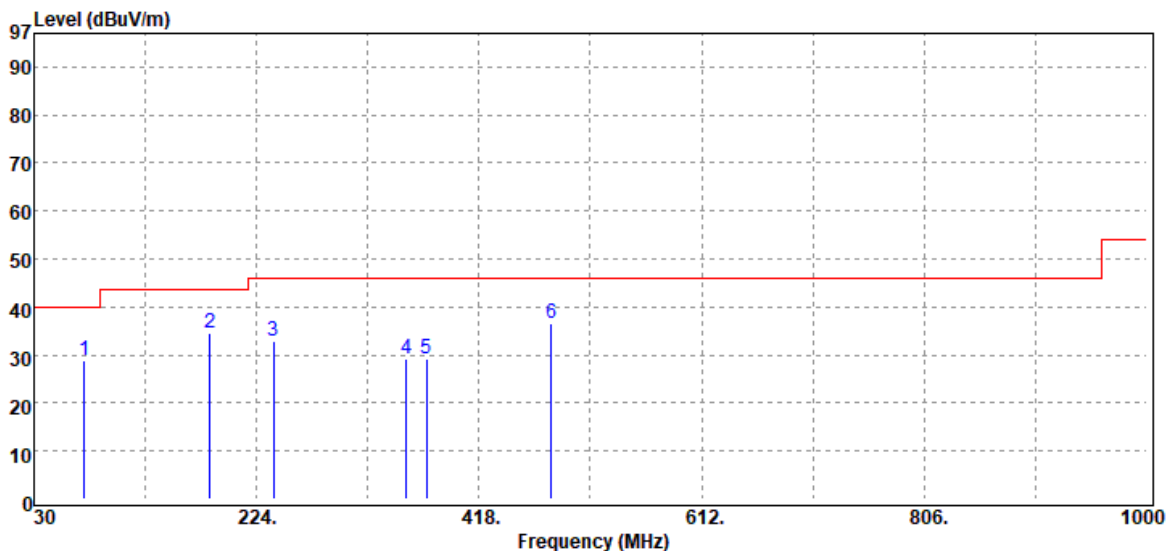
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :Neo Tsai



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
73.65	Peak	46.44	-17.59	28.85	40.00	-11.15
183.26	Peak	48.91	-14.33	34.58	43.50	-8.92
238.55	Peak	44.32	-11.44	32.88	46.00	-13.12
354.95	Peak	37.26	-8.00	29.26	46.00	-16.74
372.41	Peak	37.32	-8.02	29.30	46.00	-16.70
481.05	Peak	42.67	-5.94	36.73	46.00	-9.27

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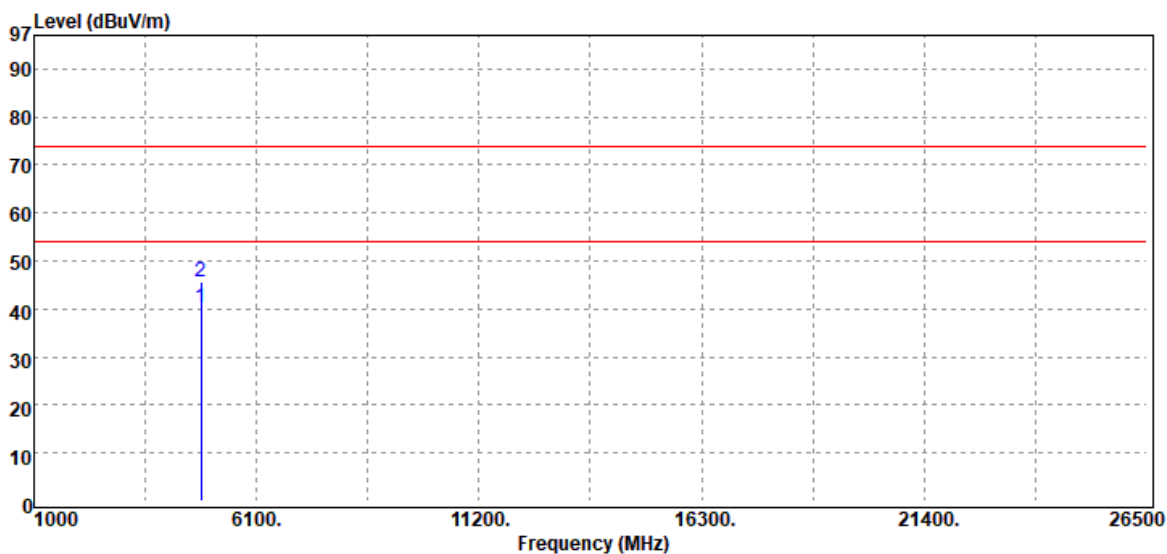
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11.7.3 Above 1GHz Emission:

Report Number :ER/2021/10055
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Site :SAC I Chamber
Test Date :2021-02-26
Temp./Humi. :23.4/63
Antenna Pol. :VERTICAL
Engineer :GN Lin



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	33.28	7.10	40.38	54.00	-13.62
4824.00	Peak	38.70	7.10	45.80	74.00	-28.20

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.

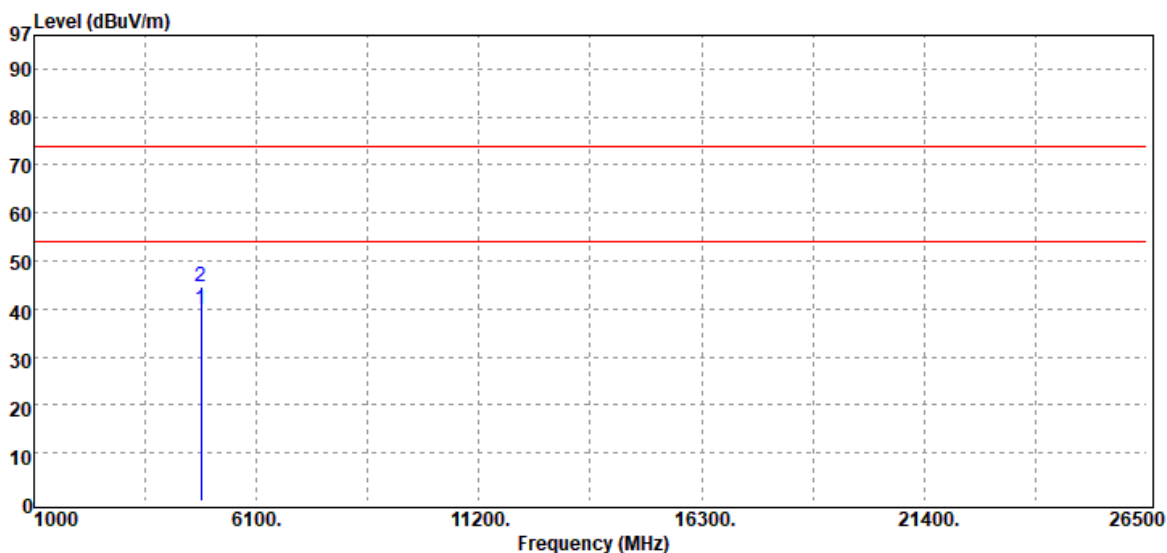
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Report Number :ER/2021/10055
 Operation Mode :802.11b
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	32.76	7.10	39.86	54.00	-14.14
4824.00	Peak	37.48	7.10	44.58	74.00	-29.42

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.

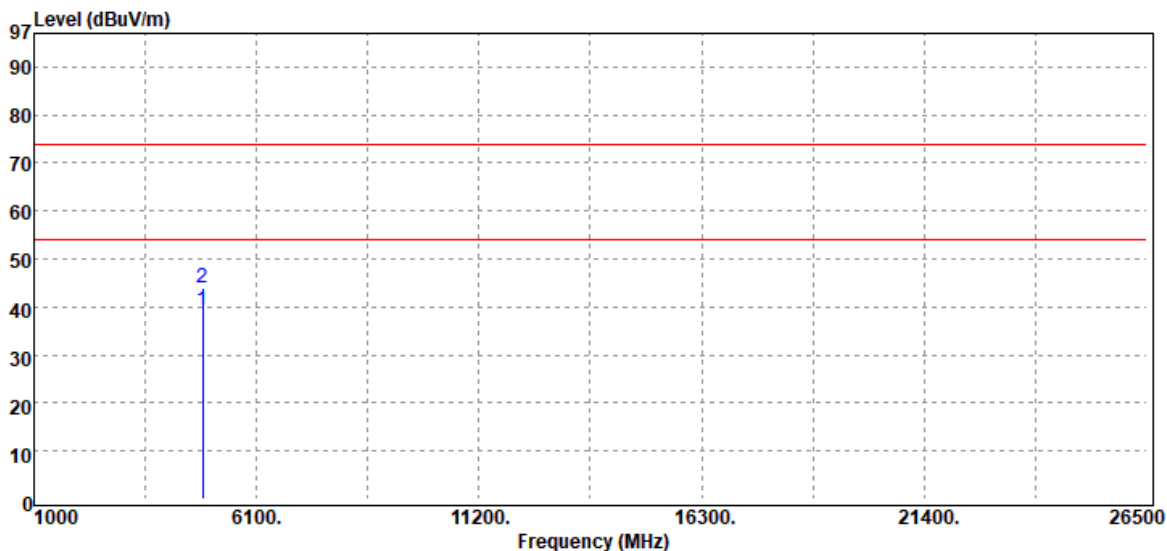
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Report Number :ER/2021/10055
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	32.20	7.07	39.27	54.00	-14.73
4874.00	Peak	37.05	7.07	44.12	74.00	-29.88

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.

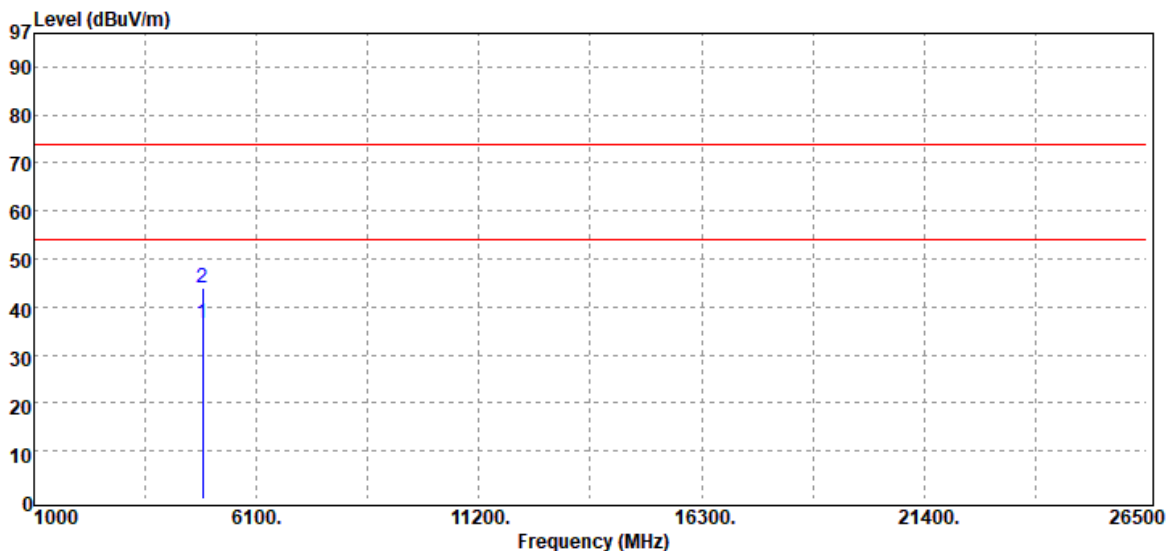
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Report Number :ER/2021/10055
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	29.66	7.07	36.73	54.00	-17.27
4874.00	Peak	36.75	7.07	43.82	74.00	-30.18

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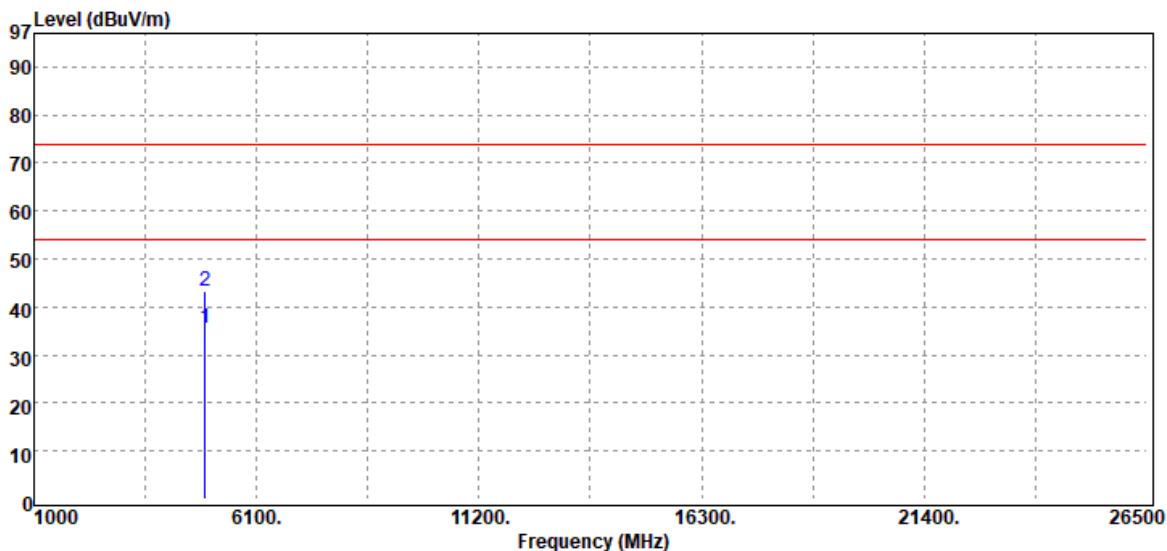
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Report Number :ER/2021/10055
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	28.36	7.20	35.56	54.00	-18.44
4924.00	Peak	36.24	7.20	43.44	74.00	-30.56

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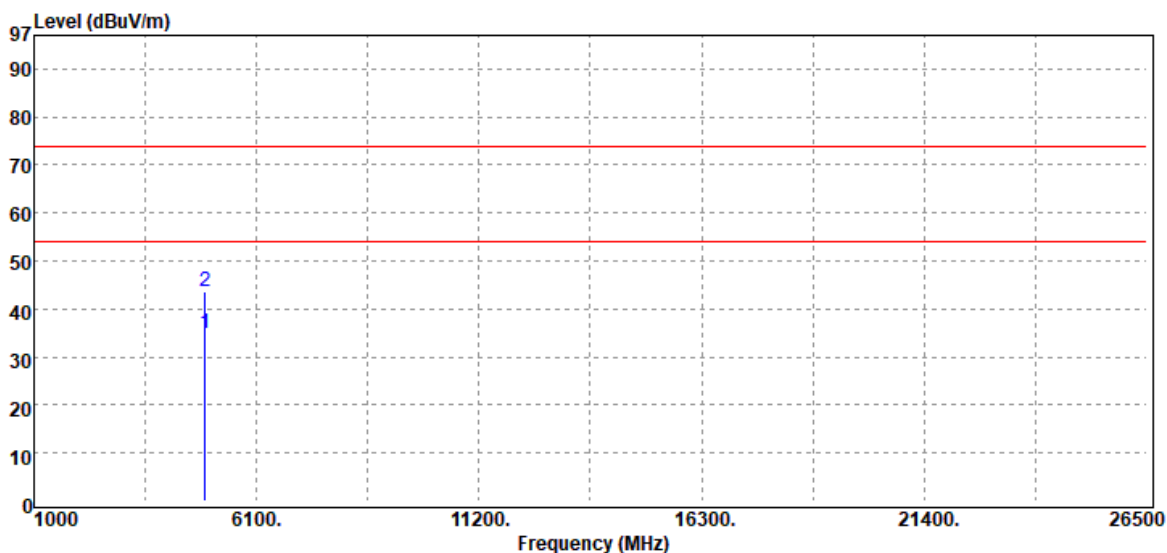
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Report Number :ER/2021/10055
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	Average	27.70	7.20	34.90	54.00	-19.10
4924.00	Peak	36.37	7.20	43.57	74.00	-30.43

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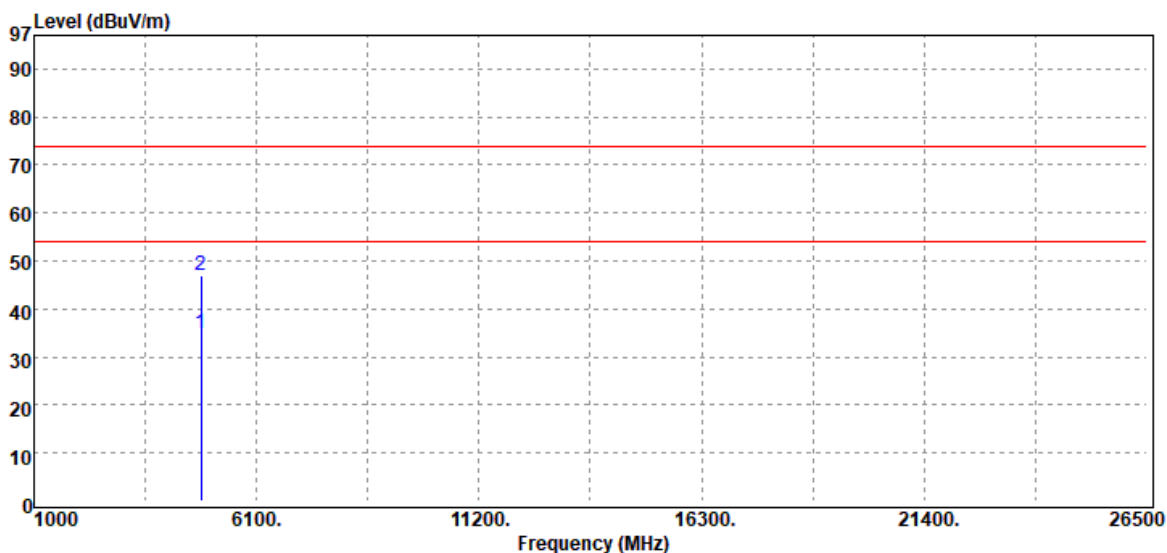
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.84	7.21	35.05	54.00	-18.95
4824.00	Peak	39.85	7.21	47.06	74.00	-26.94

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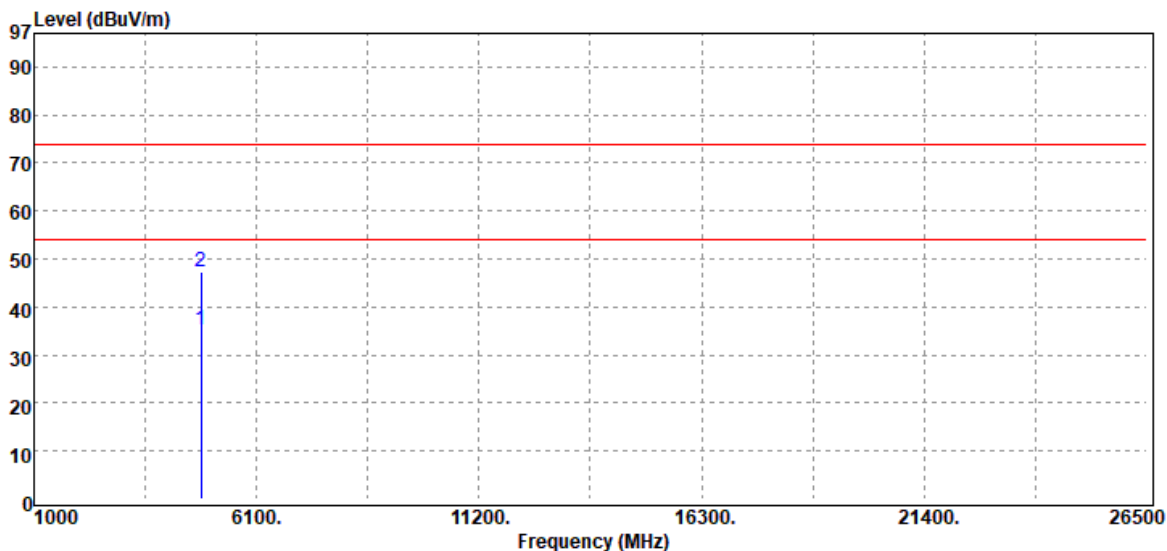
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	28.18	7.21	35.39	54.00	-18.61
4824.00	Peak	40.21	7.21	47.42	74.00	-26.58

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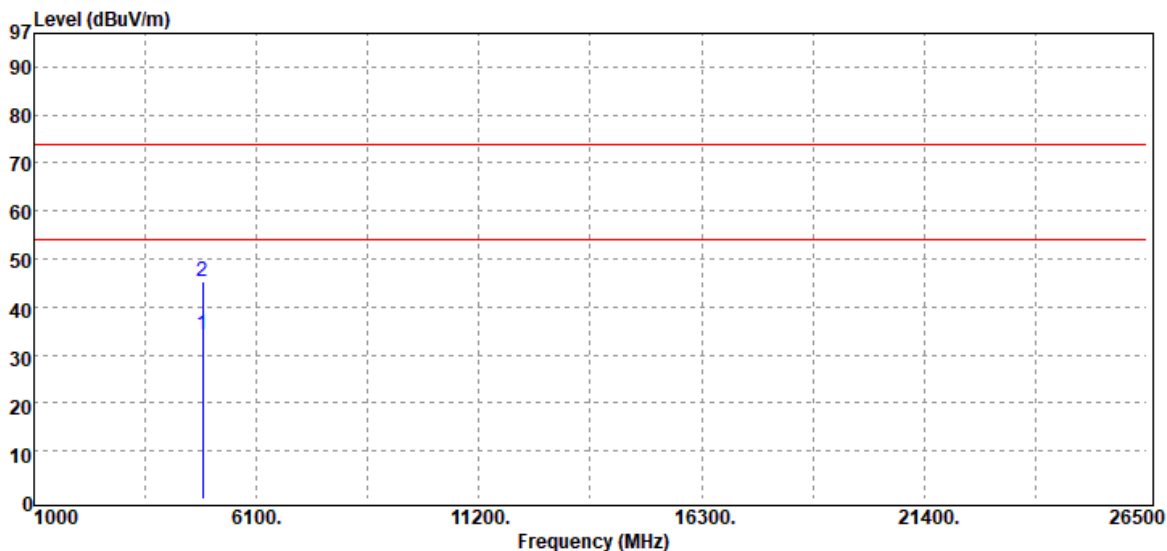
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	27.52	6.70	34.22	54.00	-19.78
4874.00	Peak	38.65	6.70	45.35	74.00	-28.65

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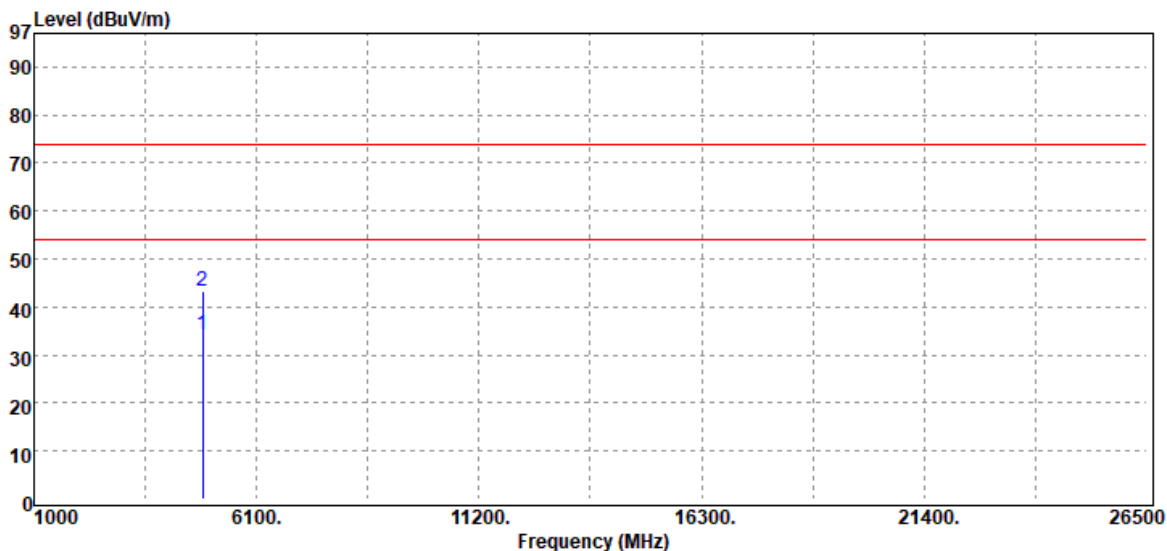
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.59	6.70	34.29	54.00	-19.71
4874.00	Peak	36.66	6.70	43.36	74.00	-30.64

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.

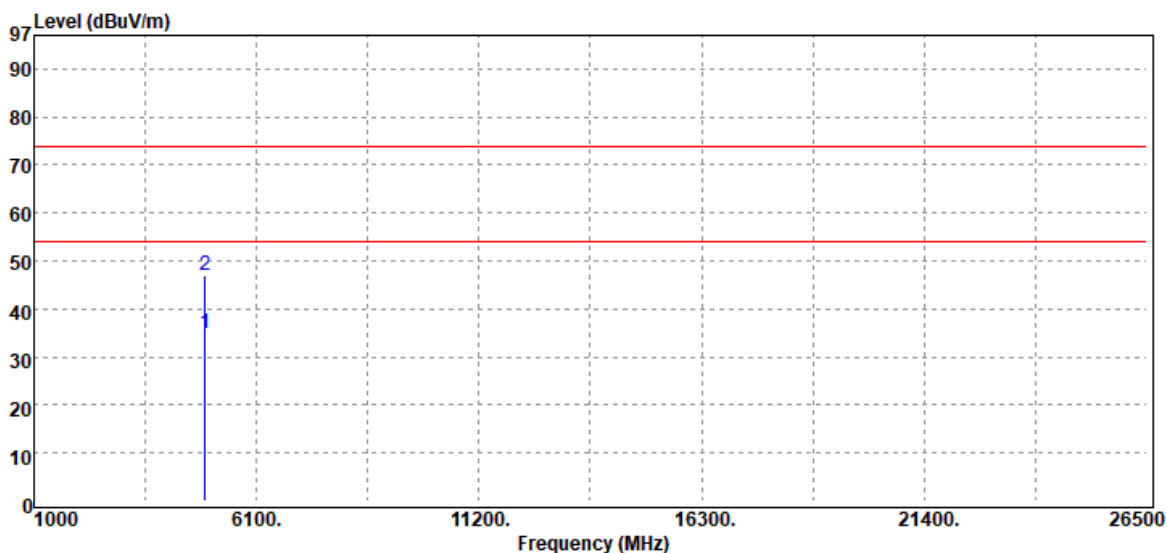
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.36	7.50	34.86	54.00	-19.14
4924.00	Peak	39.36	7.50	46.86	74.00	-27.14

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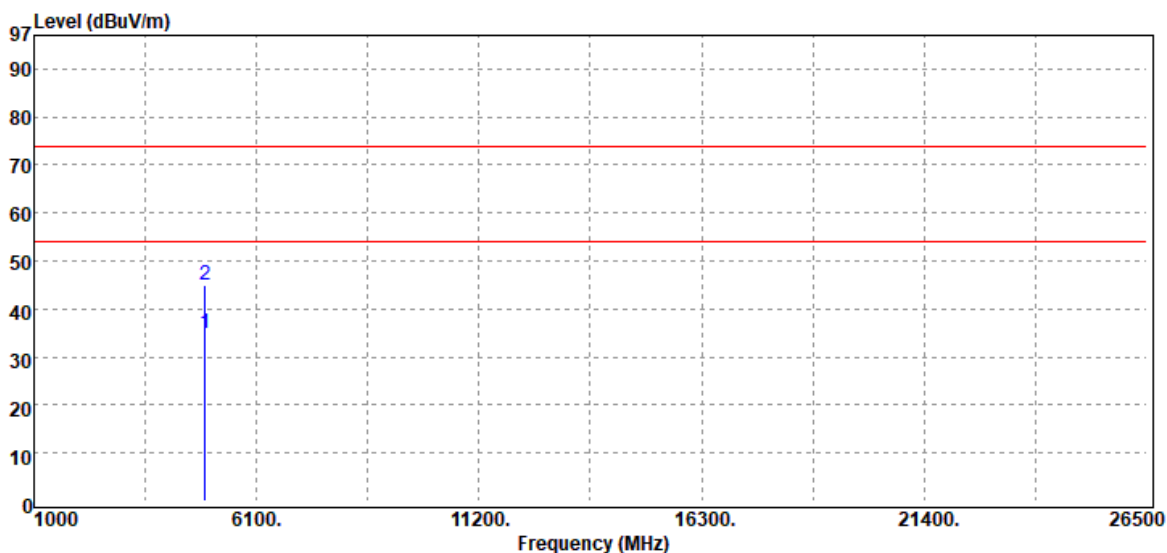
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Report Number :ER/2021/10055
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.30	7.50	34.80	54.00	-19.20
4924.00	Peak	37.54	7.50	45.04	74.00	-28.96

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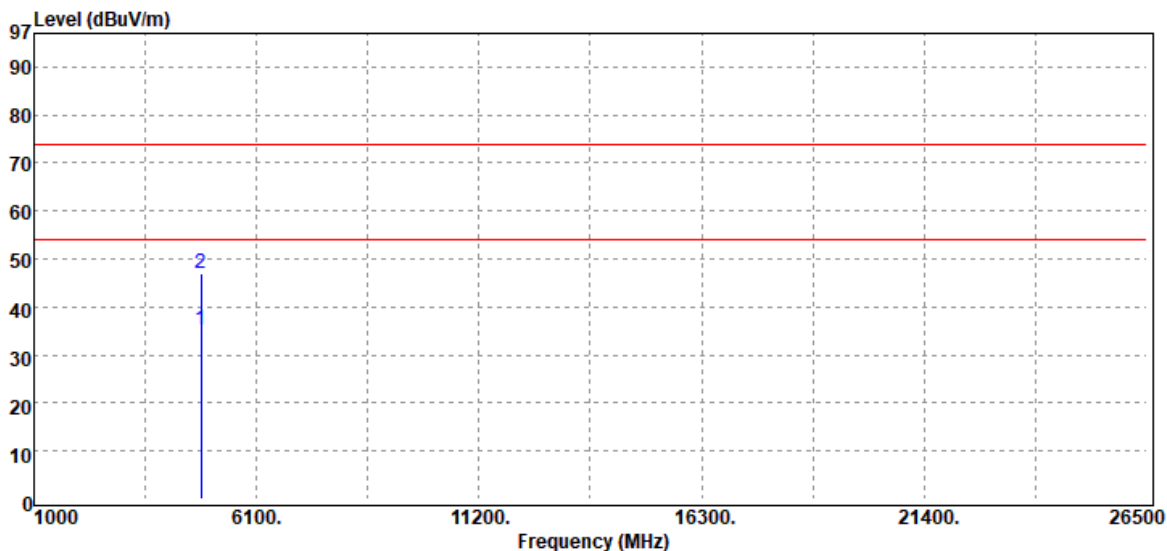
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Report Number :ER/2021/10055
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	27.96	7.21	35.17	54.00	-18.83
4824.00	Peak	39.85	7.21	47.06	74.00	-26.94

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.

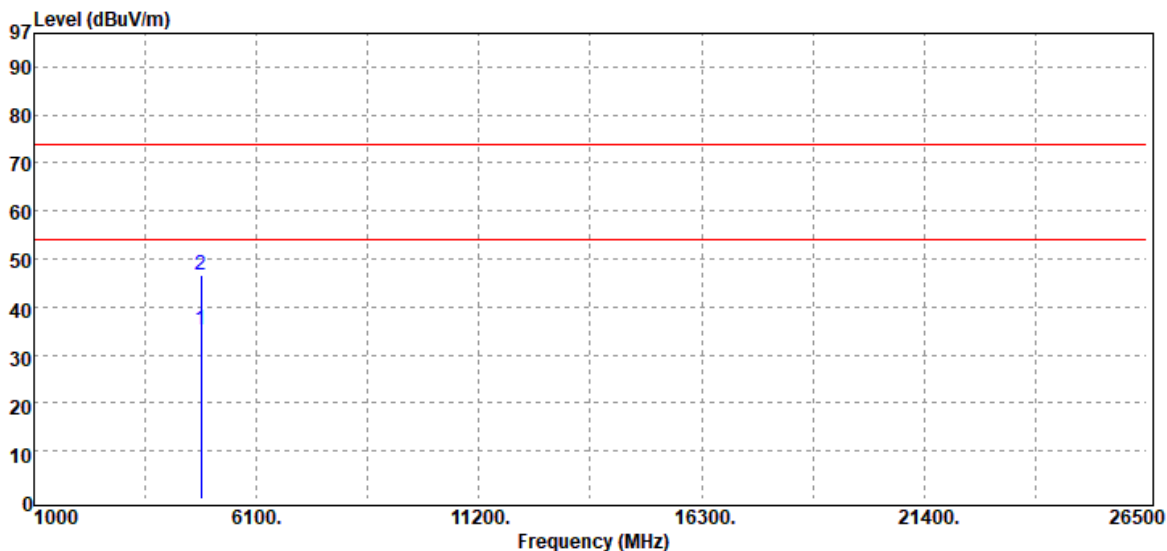
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Report Number :ER/2021/10055
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.92	7.21	35.13	54.00	-18.87
4824.00	Peak	39.61	7.21	46.82	74.00	-27.18

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.

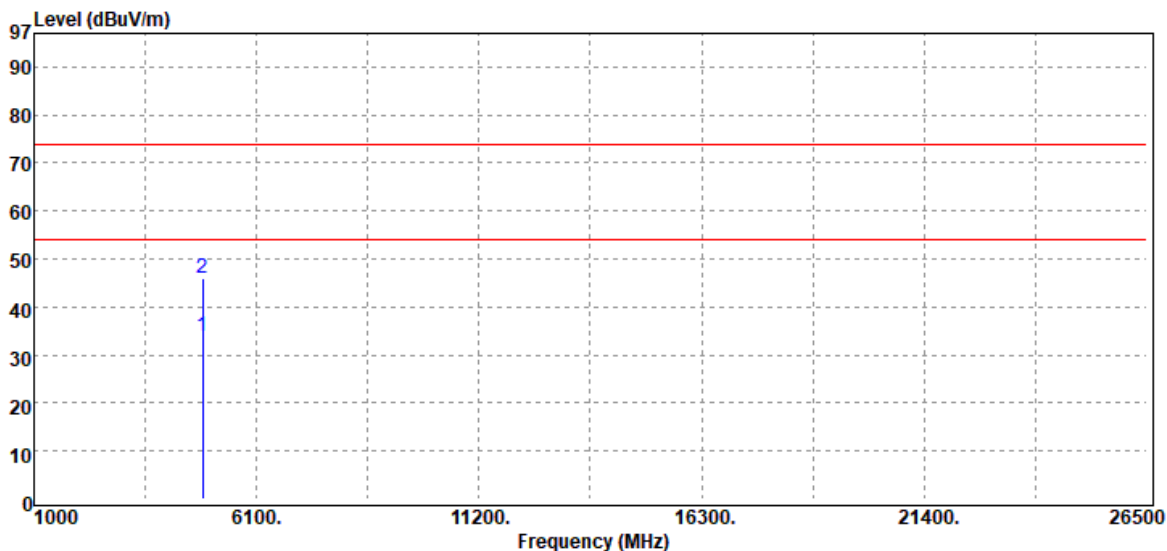
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Report Number :ER/2021/10055
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.26	6.70	33.96	54.00	-20.04
4874.00	Peak	39.15	6.70	45.85	74.00	-28.15

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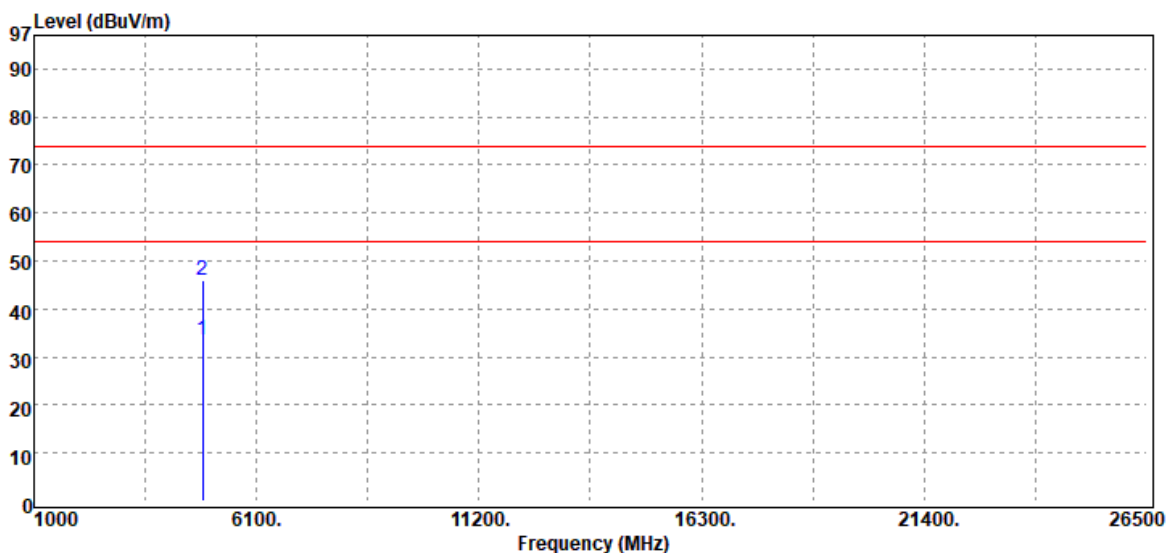
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Report Number :ER/2021/10055
 Operation Mode :802.11n20
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	26.94	6.70	33.64	54.00	-20.36
4874.00	Peak	39.44	6.70	46.14	74.00	-27.86

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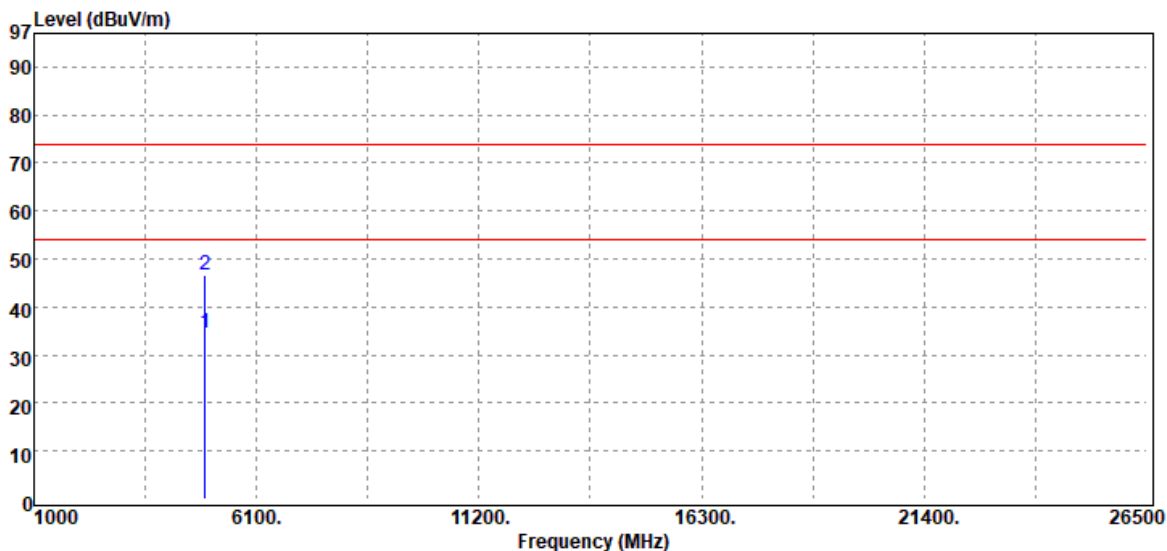
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Report Number :ER/2021/10055
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	26.96	7.50	34.46	54.00	-19.54
4924.00	Peak	39.30	7.50	46.80	74.00	-27.20

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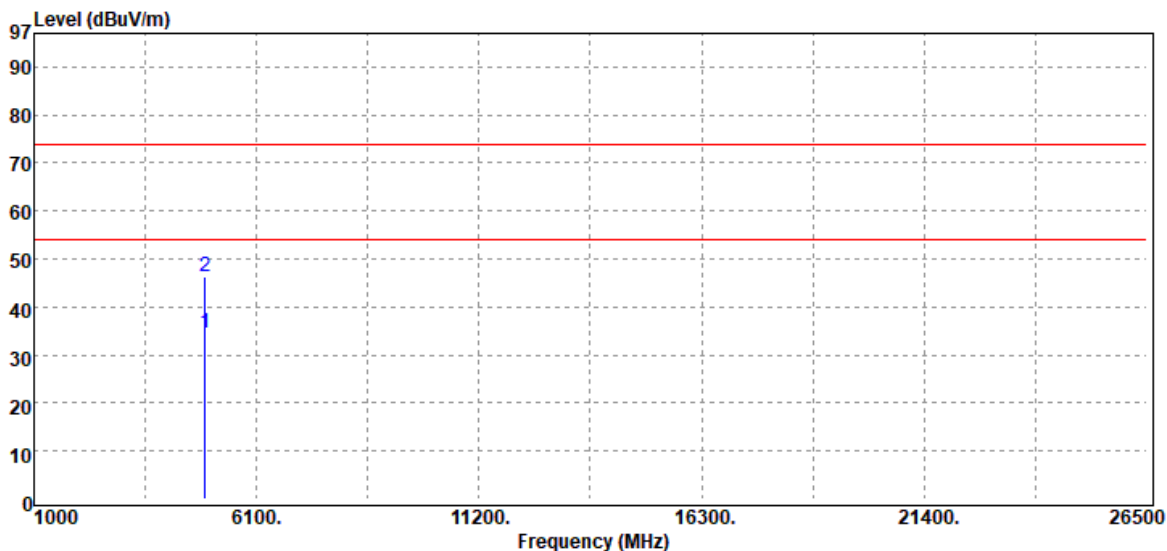
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Report Number :ER/2021/10055
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	Average	27.00	7.50	34.50	54.00	-19.50
4924.00	Peak	38.92	7.50	46.42	74.00	-27.58

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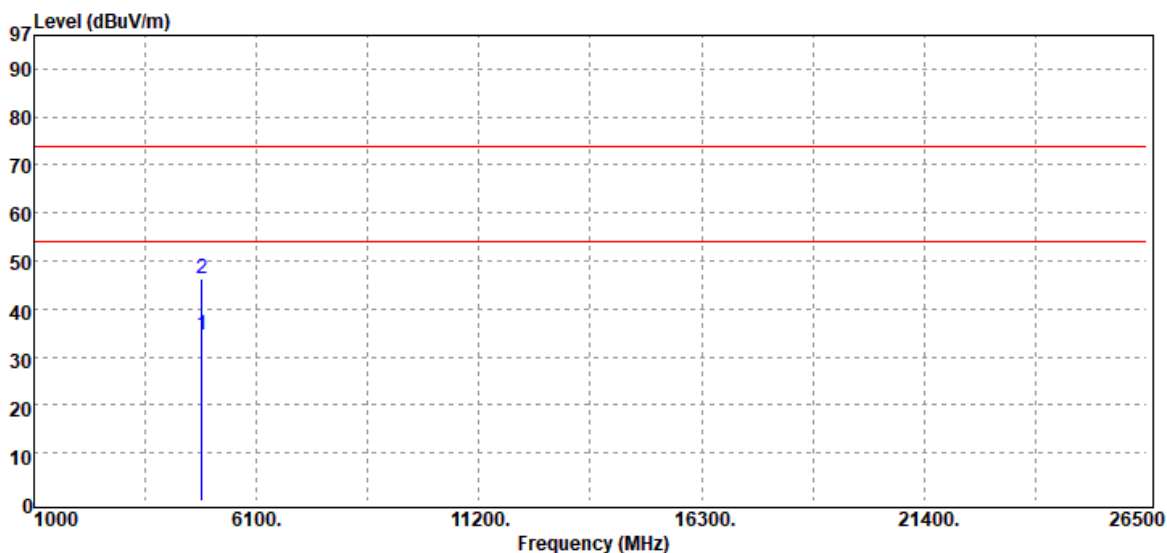
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.86	6.66	34.52	54.00	-19.48
4844.00	Peak	39.56	6.66	46.22	74.00	-27.78

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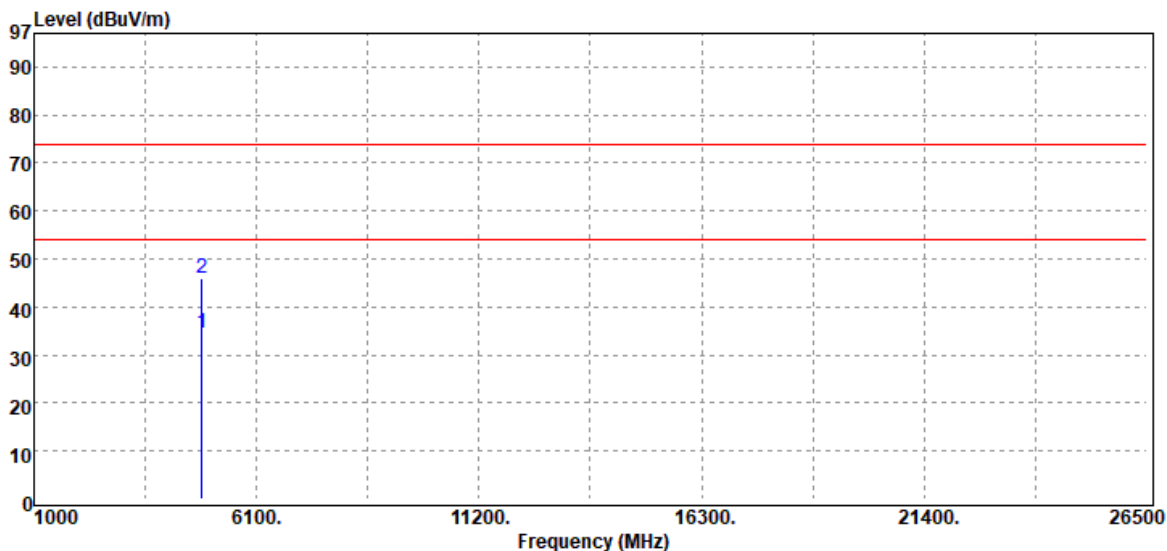
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	28.07	6.66	34.73	54.00	-19.27
4844.00	Peak	39.26	6.66	45.92	74.00	-28.08

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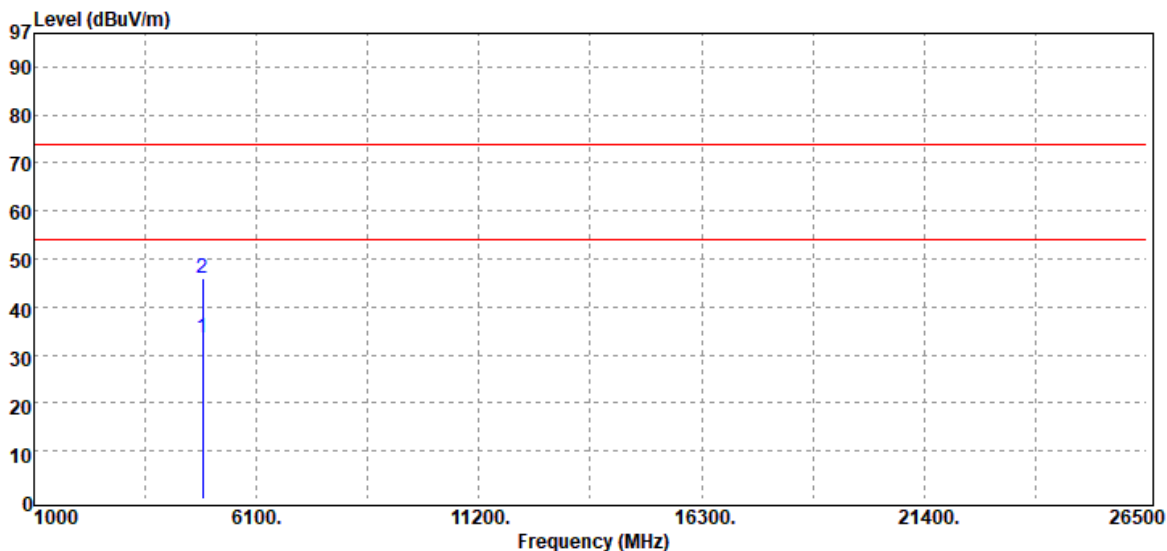
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	26.87	6.70	33.57	54.00	-20.43
4874.00	Peak	39.14	6.70	45.84	74.00	-28.16

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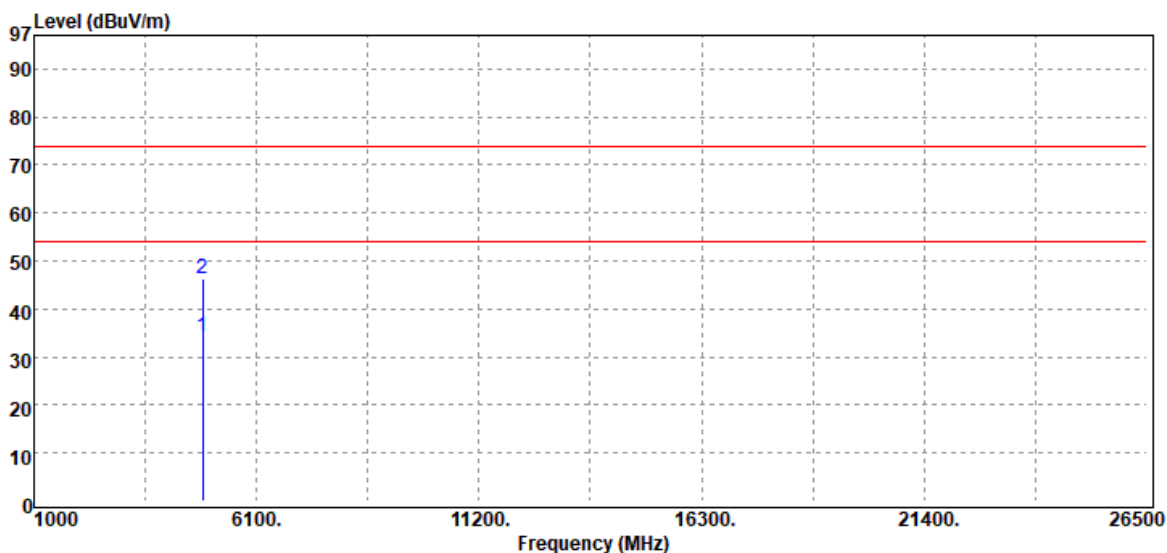
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.67	6.70	34.37	54.00	-19.63
4874.00	Peak	39.77	6.70	46.47	74.00	-27.53

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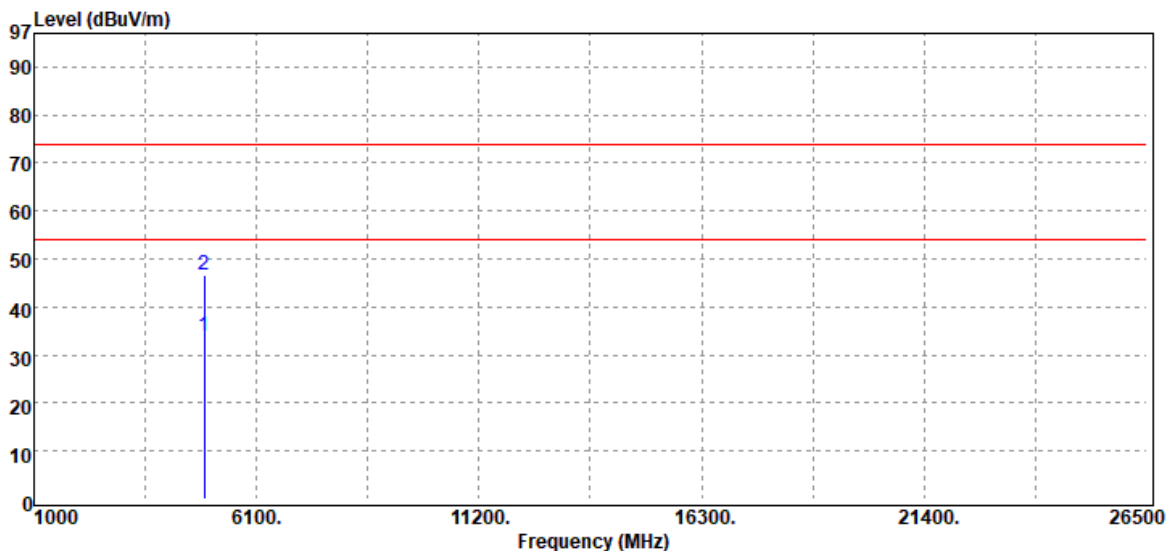
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	26.88	7.01	33.89	54.00	-20.11
4904.00	Peak	39.69	7.01	46.70	74.00	-27.30

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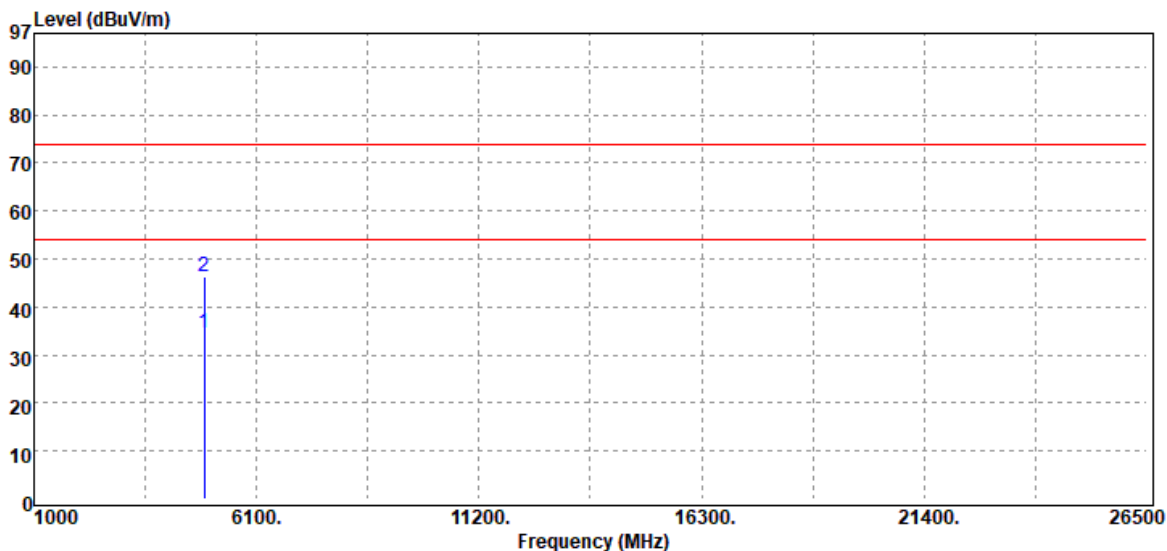
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Report Number :ER/2021/10055
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.40	7.01	34.41	54.00	-19.59
4904.00	Peak	39.29	7.01	46.30	74.00	-27.70

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.

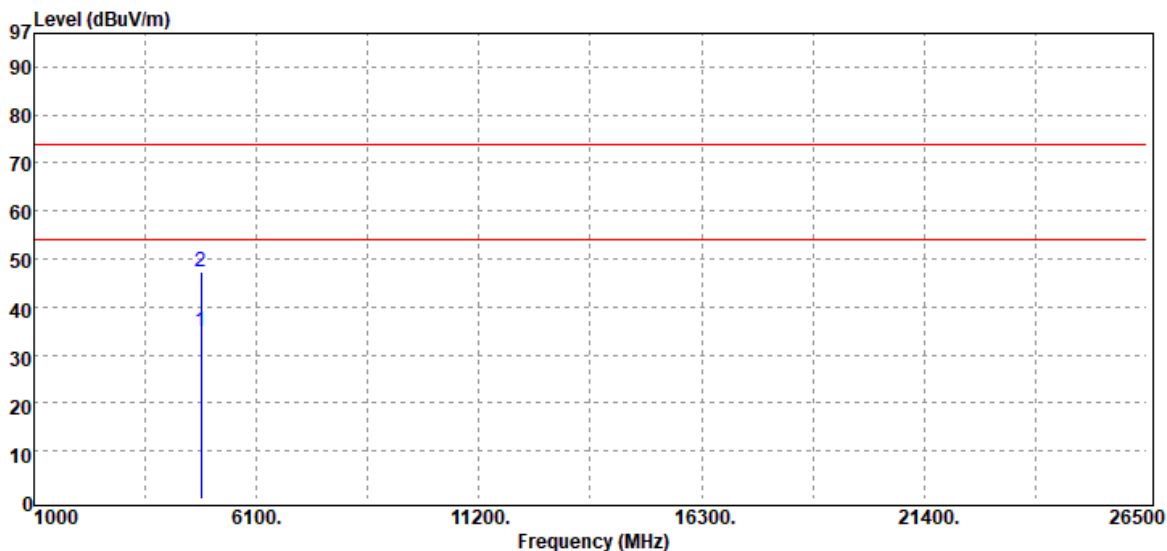
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.78	7.21	34.99	54.00	-19.01
4824.00	Peak	40.18	7.21	47.39	74.00	-26.61

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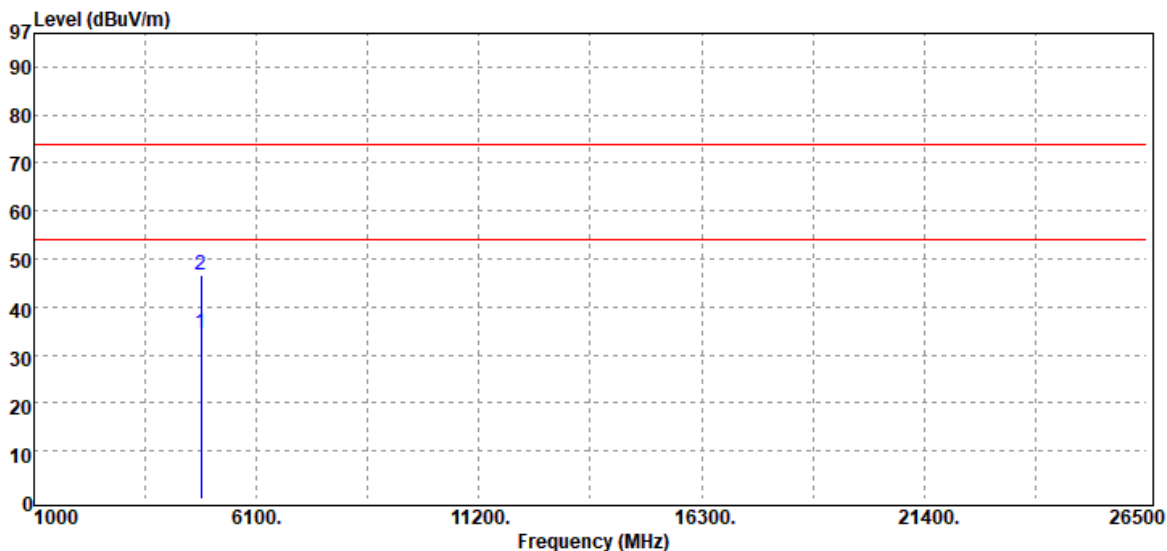
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20
 Test Frequency :2412 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.40	7.21	34.61	54.00	-19.39
4824.00	Peak	39.37	7.21	46.58	74.00	-27.42

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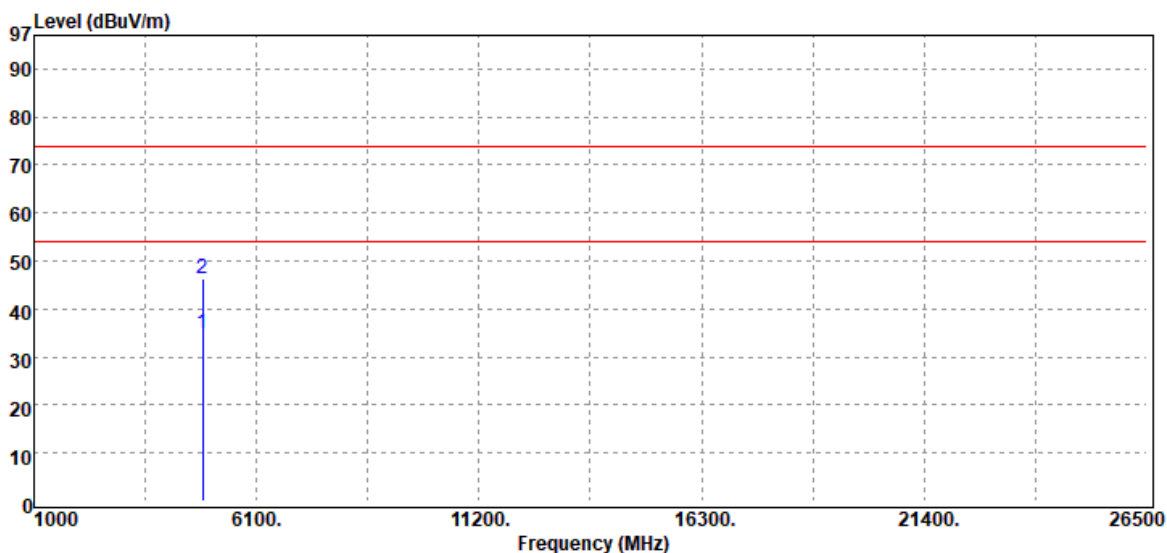
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	28.29	6.70	34.99	54.00	-19.01
4874.00	Peak	39.60	6.70	46.30	74.00	-27.70

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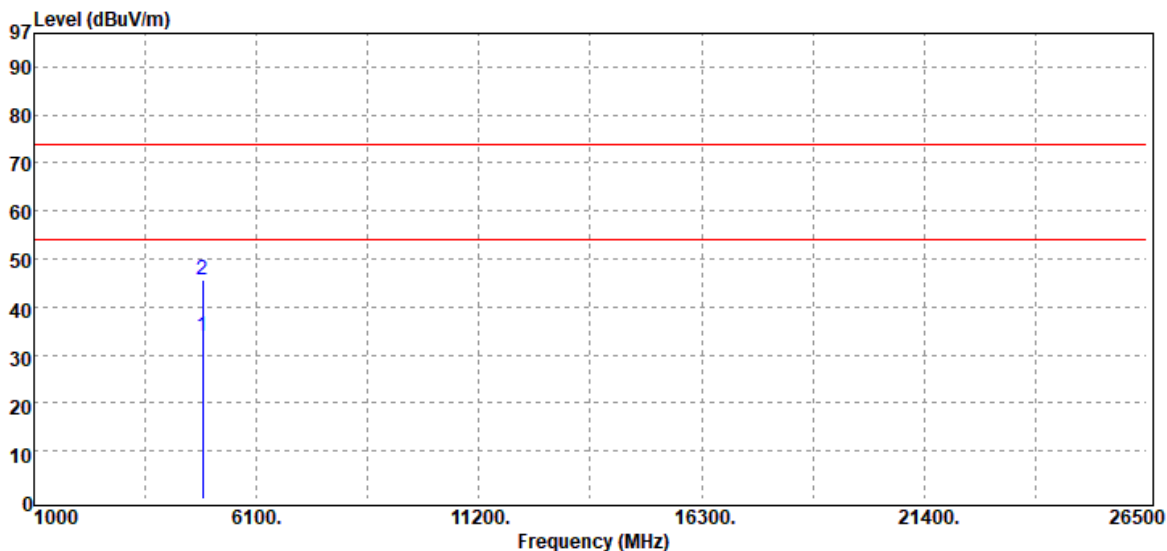
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.22	6.70	33.92	54.00	-20.08
4874.00	Peak	38.97	6.70	45.67	74.00	-28.33

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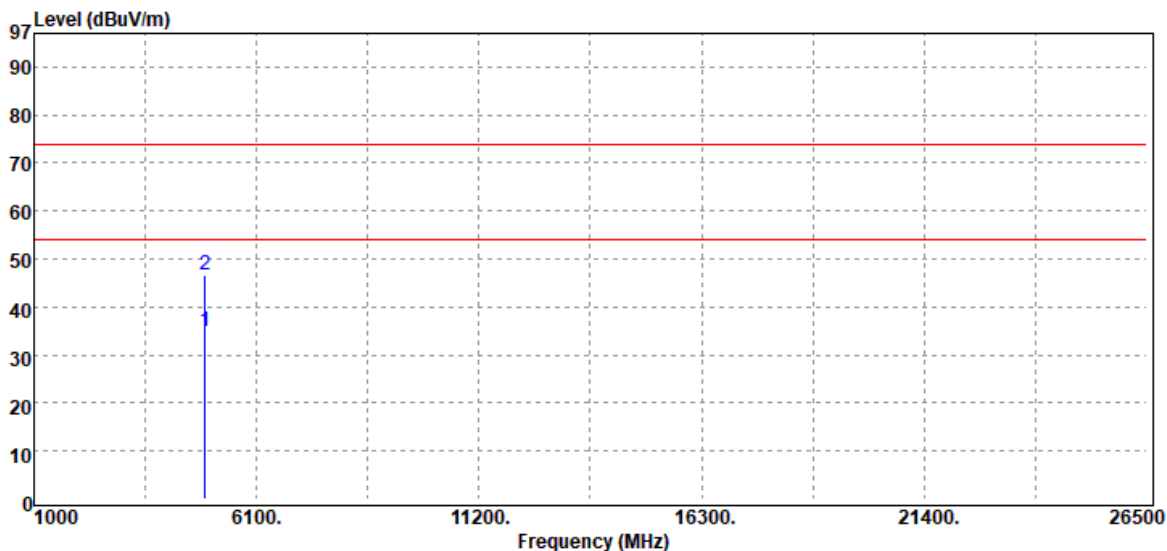
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.36	7.50	34.86	54.00	-19.14
4924.00	Peak	39.23	7.50	46.73	74.00	-27.27

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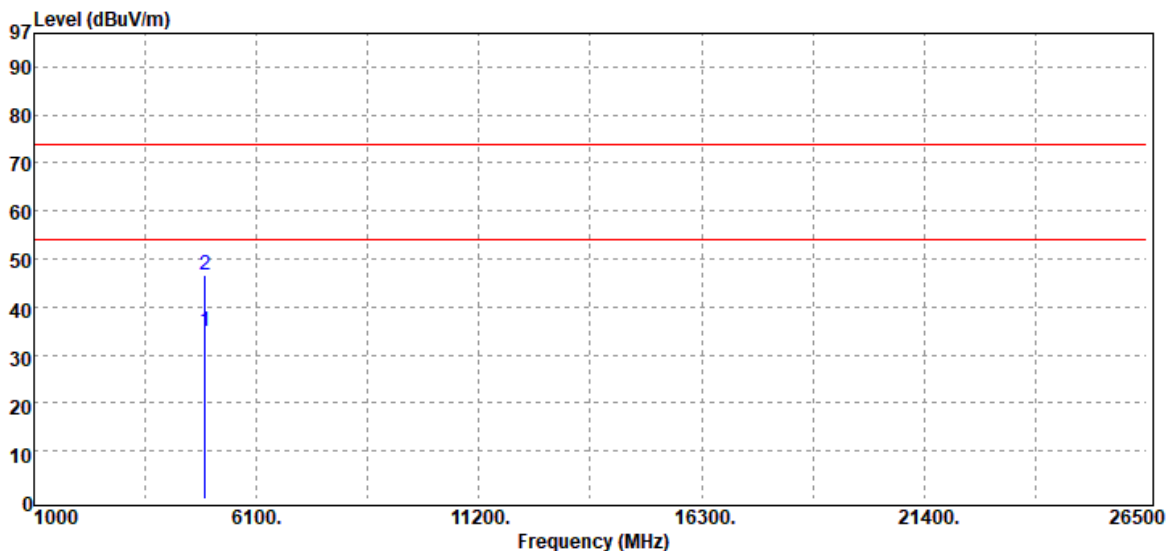
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Report Number :ER/2021/10055
 Operation Mode :802.11ax20
 Test Frequency :2462 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.42	7.50	34.92	54.00	-19.08
4924.00	Peak	39.15	7.50	46.65	74.00	-27.35

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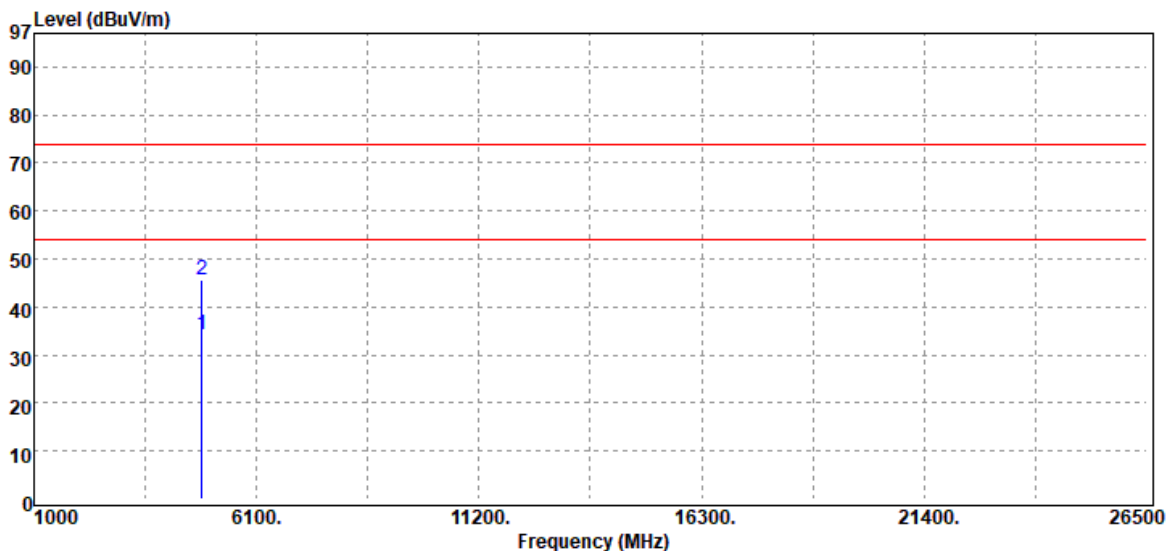
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.64	6.66	34.30	54.00	-19.70
4844.00	Peak	39.08	6.66	45.74	74.00	-28.26

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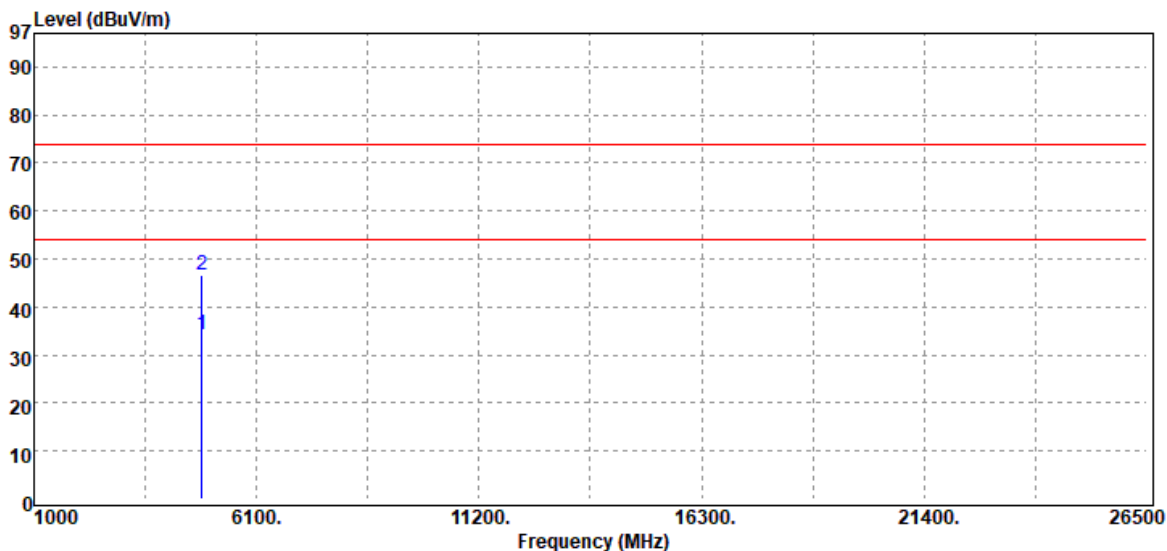
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2422 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.59	6.66	34.25	54.00	-19.75
4844.00	Peak	39.89	6.66	46.55	74.00	-27.45

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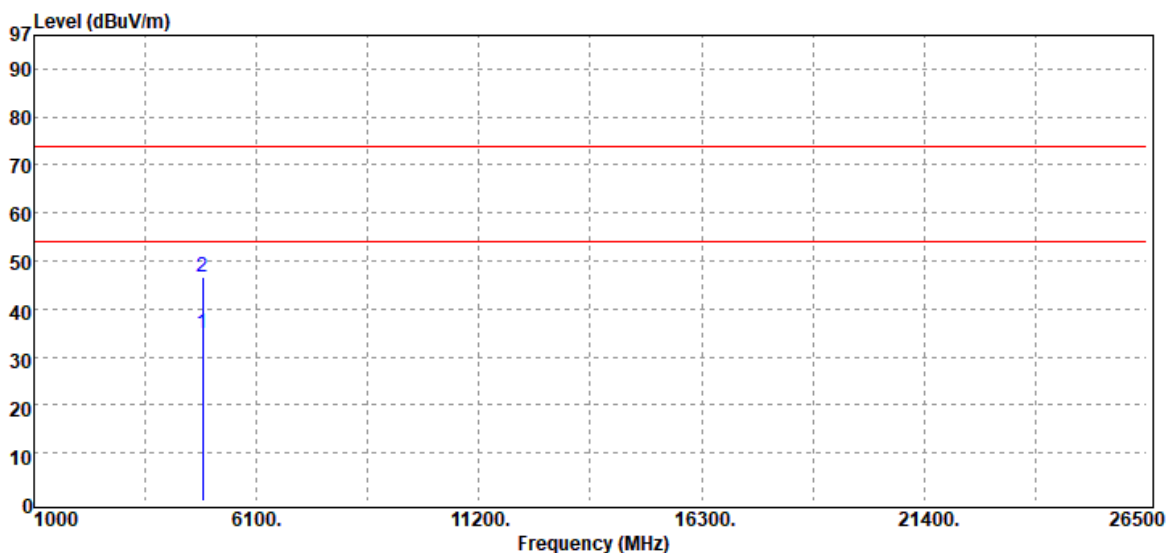
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	28.06	6.70	34.76	54.00	-19.24
4874.00	Peak	39.80	6.70	46.50	74.00	-27.50

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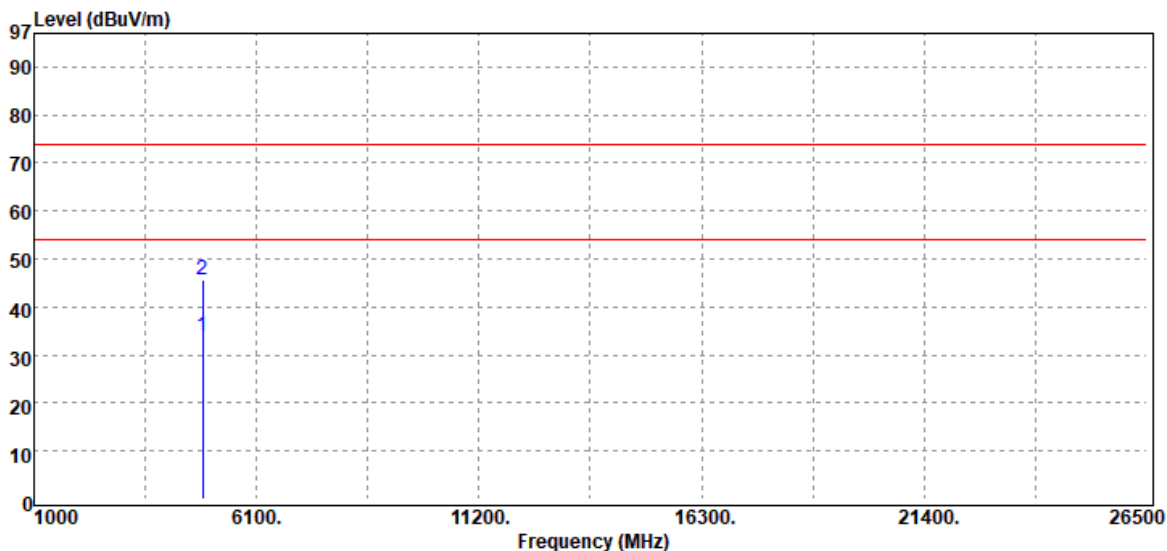
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2437 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.34	6.70	34.04	54.00	-19.96
4874.00	Peak	38.90	6.70	45.60	74.00	-28.40

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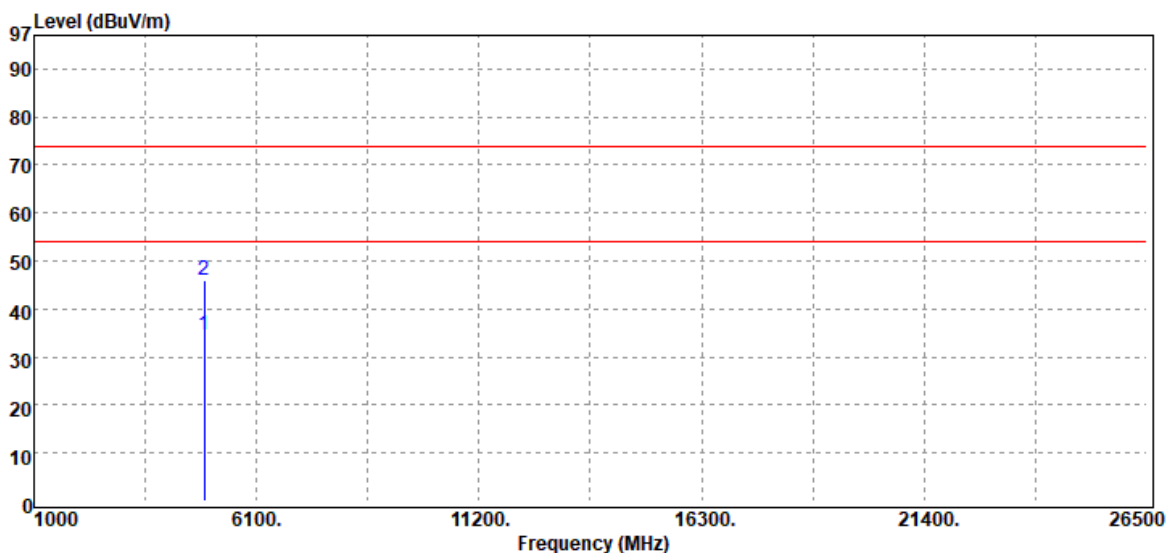
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :VERTICAL
 Engineer :GN Lin



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	27.50	7.01	34.51	54.00	-19.49
4904.00	Peak	38.88	7.01	45.89	74.00	-28.11

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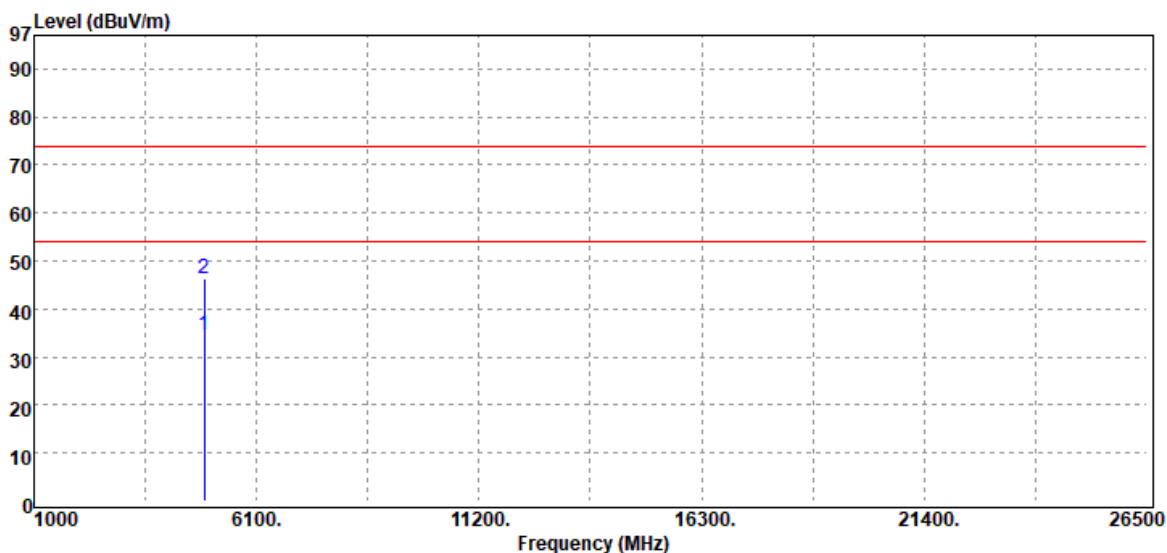
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Report Number :ER/2021/10055
 Operation Mode :802.11ax40
 Test Frequency :2452 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC I Chamber
 Test Date :2021-02-26
 Temp./Humi. :23.4/63
 Antenna Pol. :HORIZONTAL
 Engineer :GN Lin



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	27.57	7.01	34.58	54.00	-19.42
4904.00	Peak	39.41	7.01	46.42	74.00	-27.58

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12 POWER SPECTRAL DENSITY

12.1 Standard Applicable

Per Part 15.247 (e)

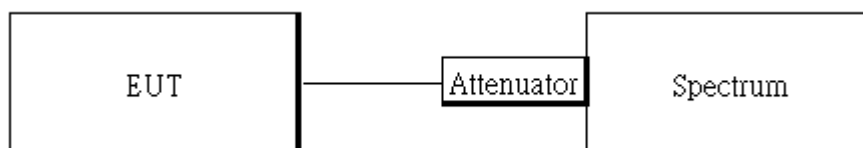
The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

12.2 Measurement Equipment Used

Conducted Emission Test Site: Conducted 2					
EQUIPMENT TYPE	MFR/BRAND	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EXA Spectrum Analyzer	KEYSIGHT	N9010B	MY59071571	06/27/2020	06/26/2021
DC Block	Mini-Circuits	BLK-18-S+	1	12/16/2020	12/15/2021

12.3 Test Set-up



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12.4 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum to measure the PSD for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

Note:

For the test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

12.5 As per FCC KDB 662911 D01

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

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$$\bullet \quad DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$ = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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12.6 Power spectral density

Gain				1.23	dBi
Mimo support				2 Transmit antennas	
POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-4.57	-4.07	-1.30	8.00	PASS
2437	-6.13	-5.44	-2.76	8.00	PASS
2462	-5.82	-4.95	-2.35	8.00	PASS

Gain				1.23	dBi
Mimo support				2 Transmit antennas	
POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-9.22	-9.49	-6.34	8.00	PASS
2437	-9.5	-8.4	-5.90	8.00	PASS
2462	-9.61	-9.61	-6.60	8.00	PASS

Gain				1.23	dBi
Mimo support				2 Transmit antennas	
POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-9.89	-9.03	-6.43	8.00	PASS
2437	-8.2	-7.58	-4.87	8.00	PASS
2462	-8.77	-9.12	-5.93	8.00	PASS

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Gain				1.23	dBi
Mimo support				2 Transmit antennas	
POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-13.11	-12.07	-9.55	8.00	PASS
2437	-11.14	-10.16	-7.61	8.00	PASS
2452	-13.57	-13.64	-10.59	8.00	PASS

Gain					1.23	dBi
Mimo support					2 Transmit antennas	
POWER DENSITY 802.11ax HE20						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-11.31	-11.03	-8.16	8.00	PASS
	26/0	0.44	0.54	3.50	8.00	PASS
	52/37	-2.63	-2.9	0.25	8.00	PASS
	106/53	-5.27	-4.19	-1.69	8.00	PASS
2437	full	-8.43	-7.23	-4.78	8.00	PASS
2462	full	-10.81	-9.86	-7.30	8.00	PASS
	26/8	0.57	1.51	4.08	8.00	PASS
	52/40	-2.46	-2.4	0.58	8.00	PASS
	106/54	-5.21	-4.6	-1.88	8.00	PASS

Gain					1.23	dBi
Mimo support					2 Transmit antennas	
POWER DENSITY 802.11ax HE40						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-15.16	-14.21	-11.65	8.00	PASS
	242/61	-8.87	-7.93	-5.36	8.00	PASS
2437	full	-11.93	-10.65	-8.23	8.00	PASS
2452	full	-14.93	-14.18	-11.53	8.00	PASS
	242/62	-7.08	-7.41	-4.23	8.00	PASS

*Refer to next page for plots

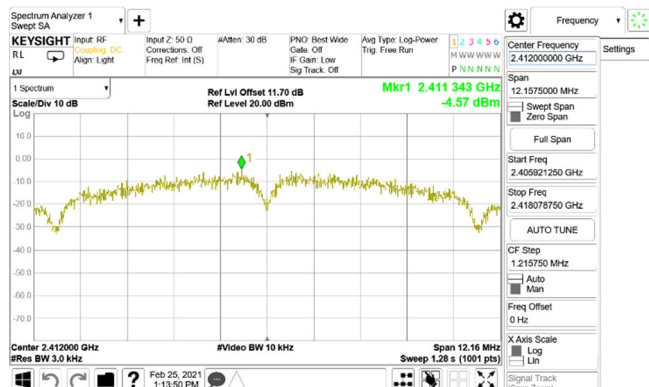
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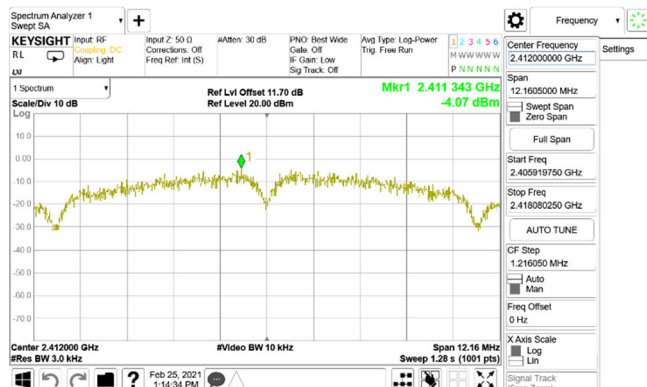
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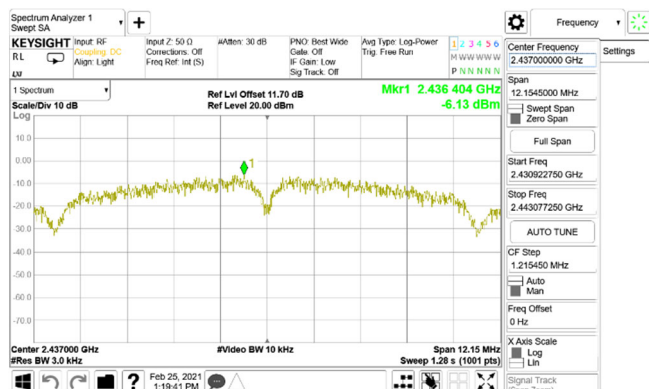
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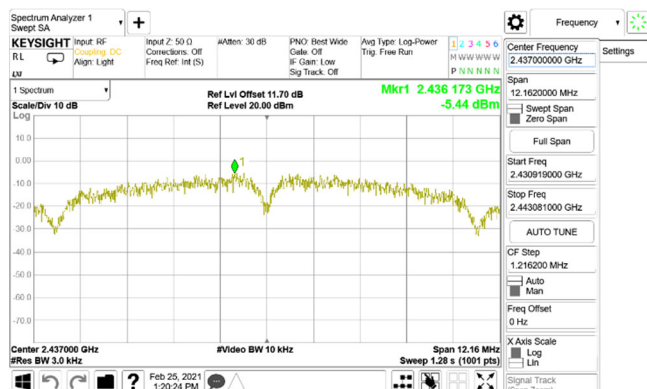
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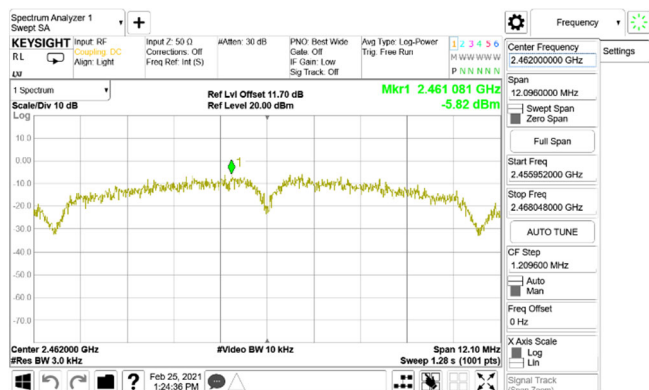
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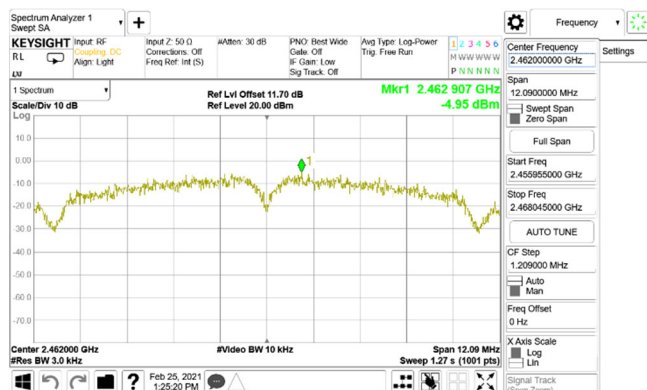
Power Density_802.11b_20MHz_Chain1_2437MHz



Power Density_802.11b_20MHz_Chain0_2462MHz



Power Density_802.11b_20MHz_Chain1_2462MHz



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