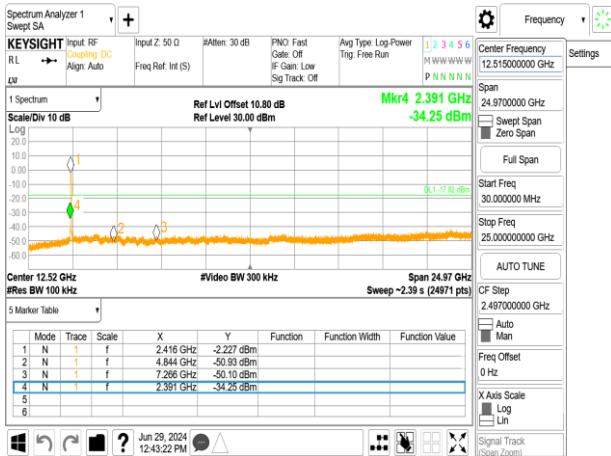
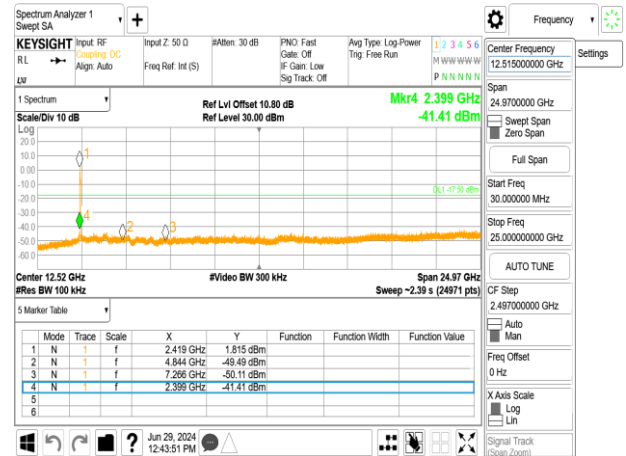


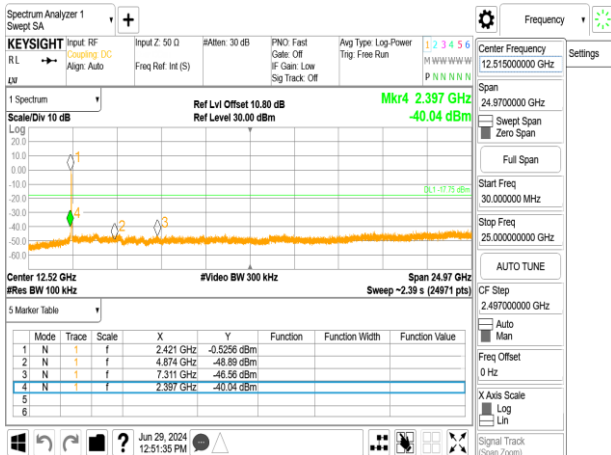
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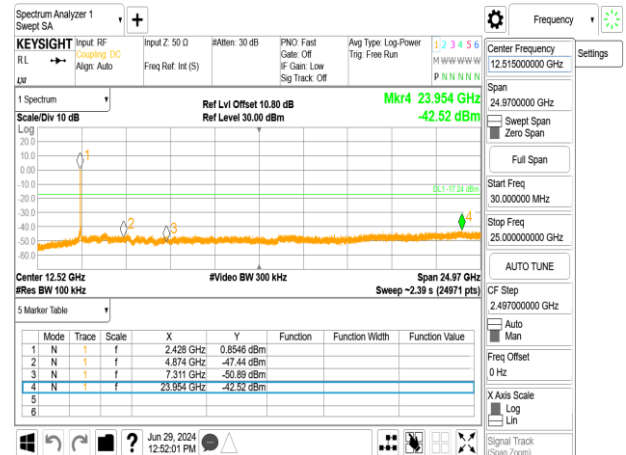
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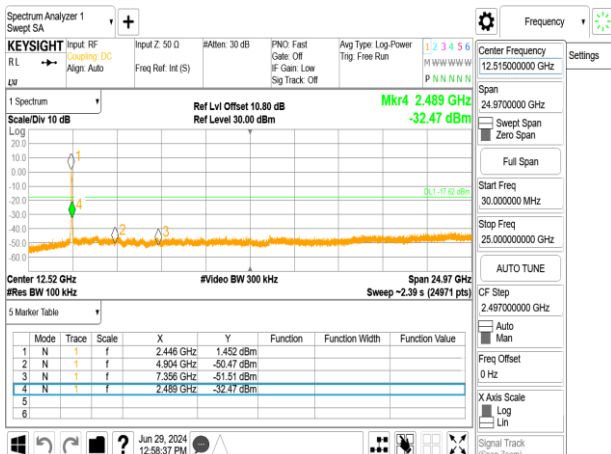
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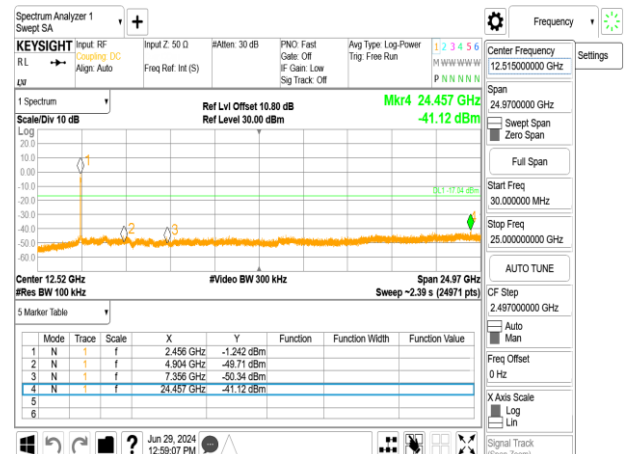
802.11n_40MHz_Chain1_2437MHz



802.11n_40MHz_Chain0_2452MHz



802.11n_40MHz_Chain1_2452MHz

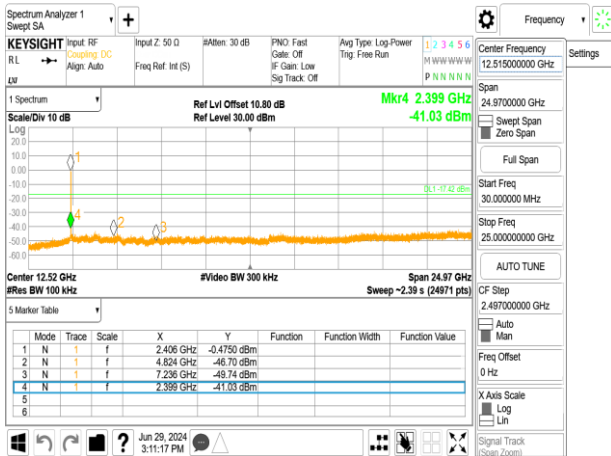


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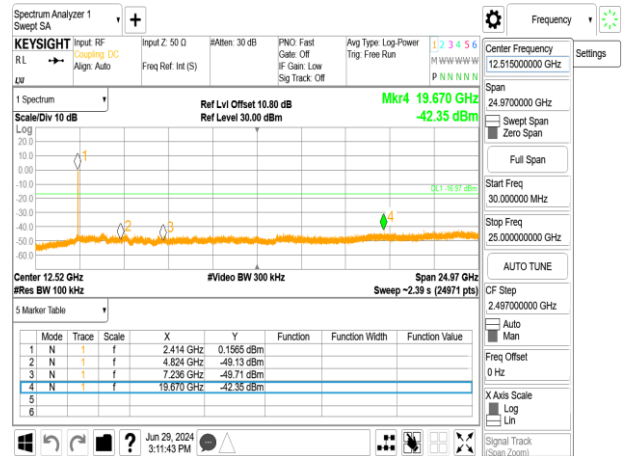
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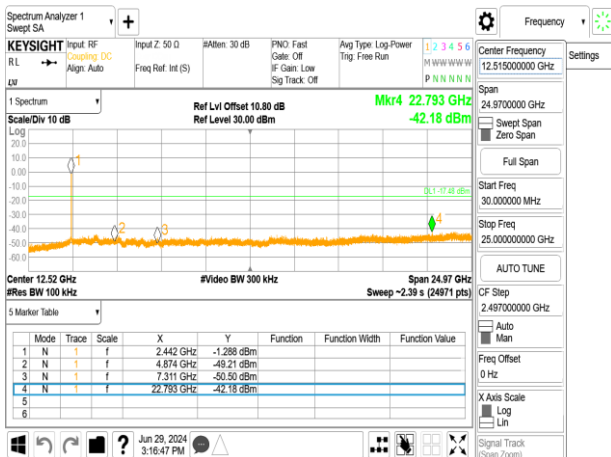
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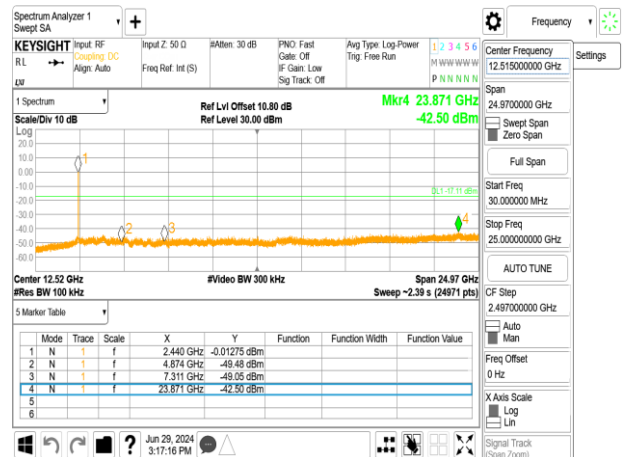
802.11ax_20MHz_Chain1_2412MHz



802.11ax_20MHz_Chain0_2437MHz



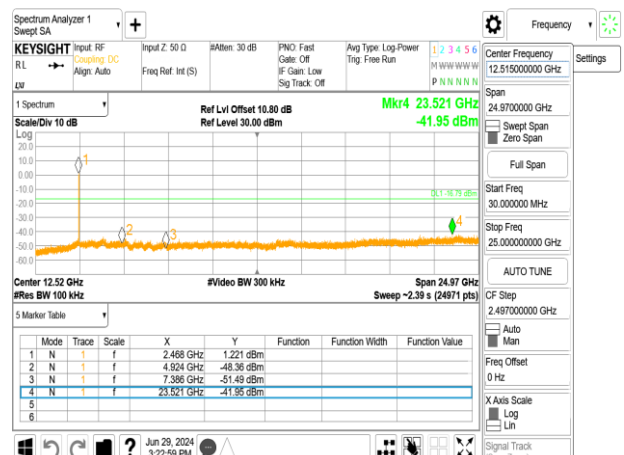
802.11ax_20MHz_Chain1_2437MHz



802.11ax_20MHz_Chain0_2462MHz



802.11ax_20MHz_Chain1_2462MHz



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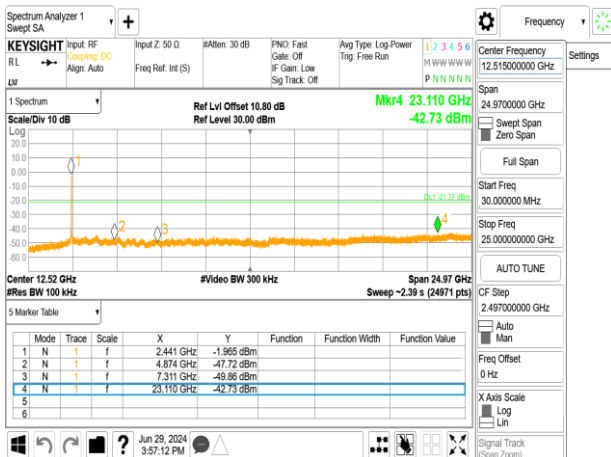
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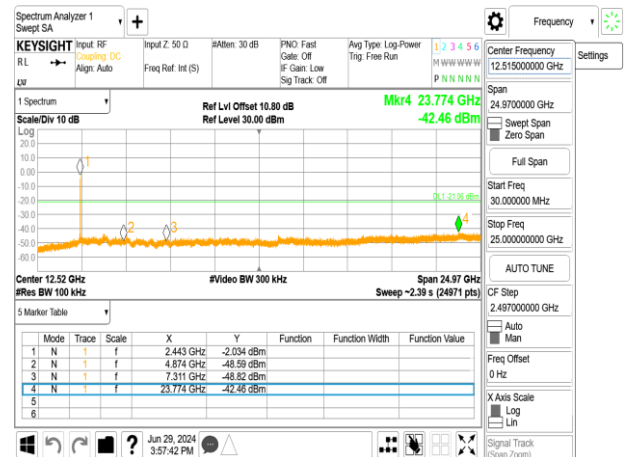
802.11ax_40MHz_Chain1_2422MHz



802.11ax_40MHz_Chain0_2437MHz



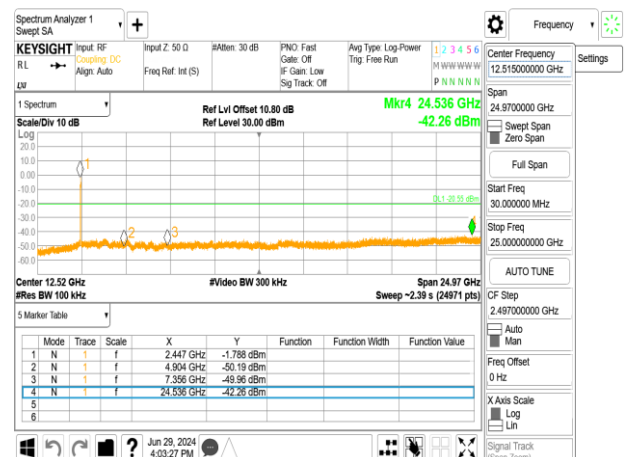
802.11ax_40MHz_Chain1_2437MHz



802.11ax_40MHz_Chain0_2452MHz



802.11ax_40MHz_Chain1_2452MHz



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11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

11.1 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 limit as below.

And according to §15.33(a) (1), 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:

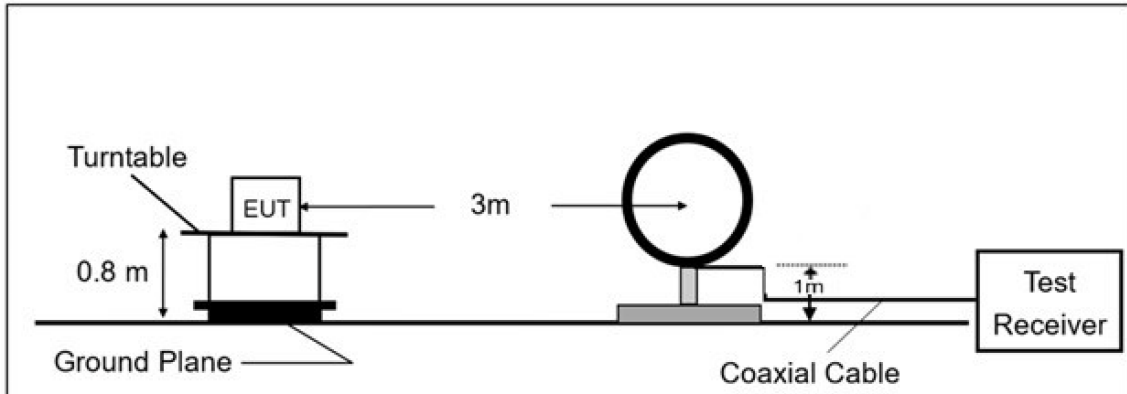
1. The lower limit shall apply at the transition frequencies.

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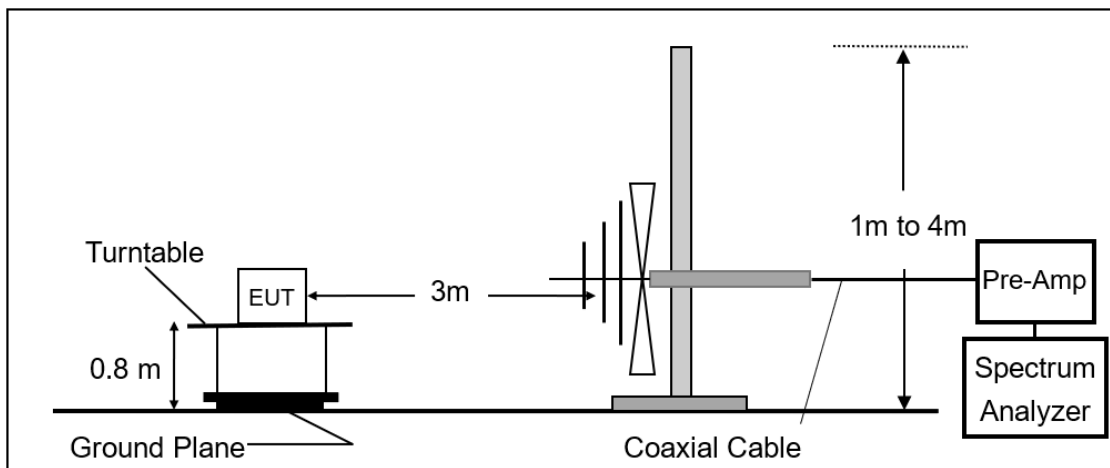
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11.2 Test Setup

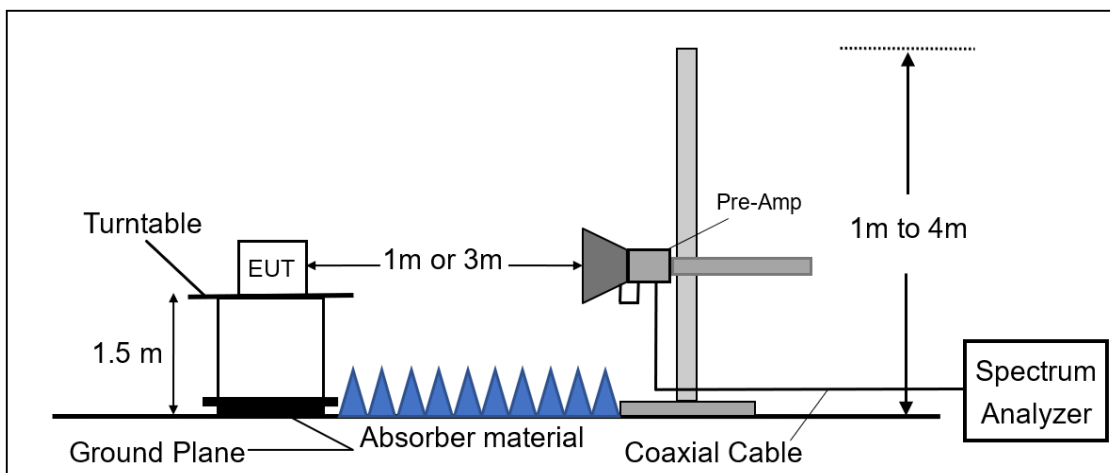
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.3 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. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements 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 Emission Measurements at frequency above 1 GHz.
9. 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.
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.
12. Repeat above procedures until all default test channel measured were complete.

11.4 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 $20 \cdot \log(uV/m)$

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

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

11.5 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) was not reported.

11.6 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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11.6.1 Radiated Band Edge Measurement Result

Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2412 MHz

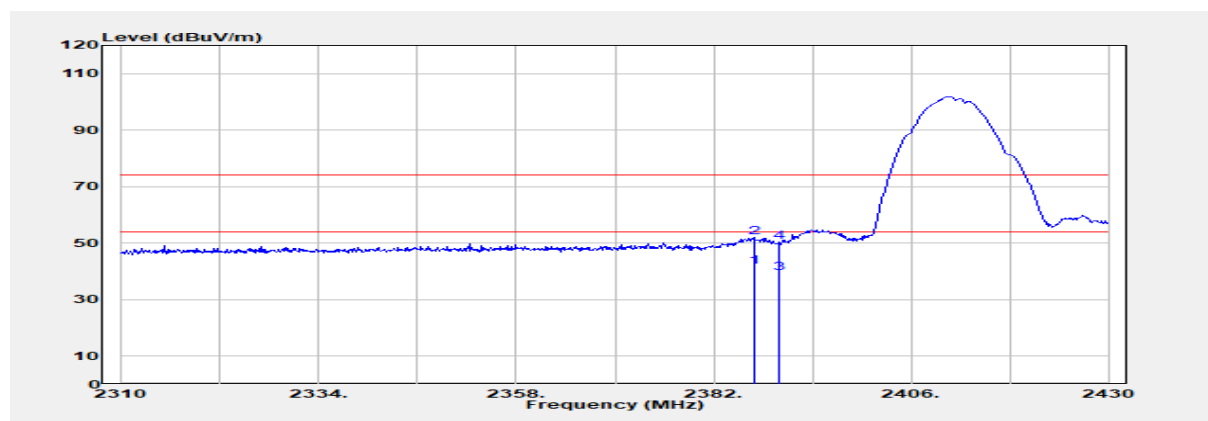
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.920	Average	46.10	-4.40	41.70	54.00	-12.30
2386.920	Peak	56.51	-4.40	52.11	74.00	-21.89
2390.000	Average	43.81	-4.38	39.43	54.00	-14.57
2390.000	Peak	54.63	-4.38	50.24	74.00	-23.76

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2412 MHz

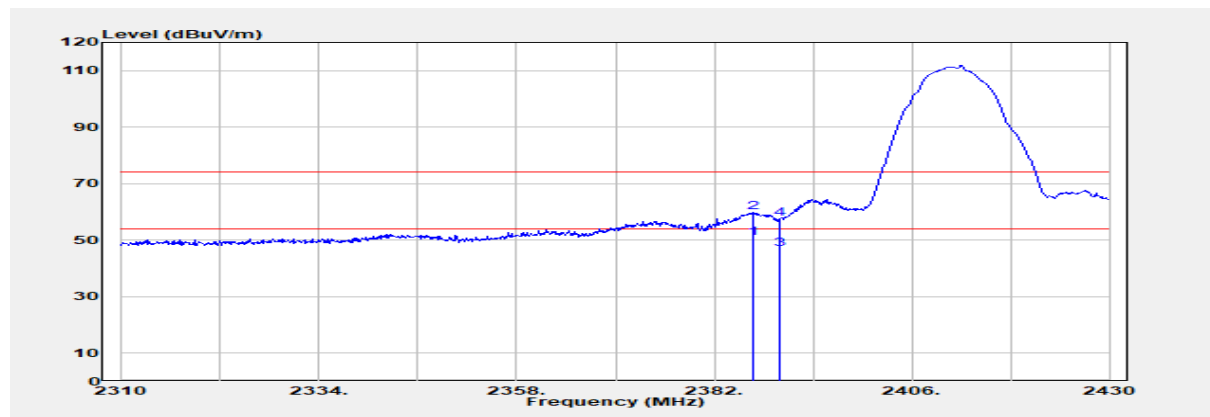
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.800	Average	55.15	-4.40	50.74	54.00	-3.26
2386.800	Peak	64.40	-4.40	60.00	74.00	-14.00
2390.000	Average	51.27	-4.38	46.88	54.00	-7.12
2390.000	Peak	61.87	-4.38	57.49	74.00	-16.51

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Member of SGS Group

Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2462 MHz

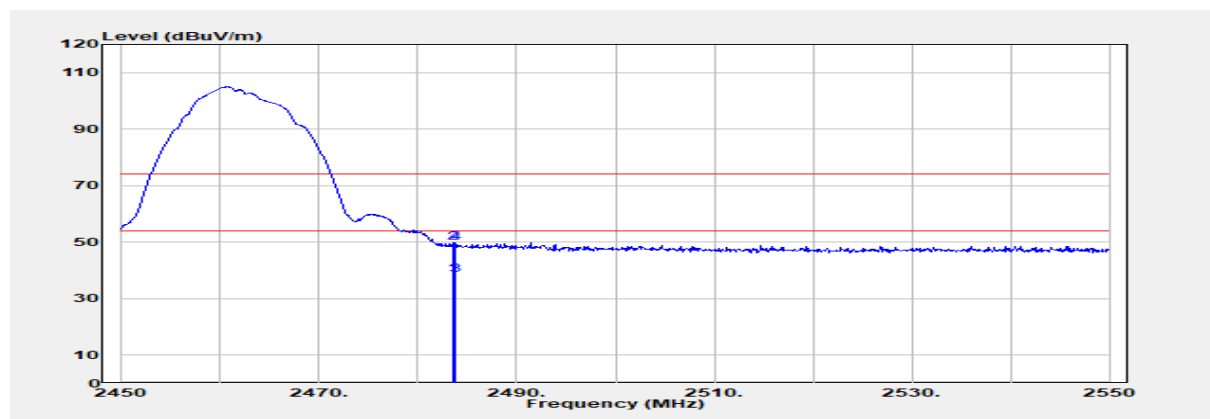
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	43.59	-5.14	38.45	54.00	-15.55
2483.500	Peak	54.95	-5.14	49.81	74.00	-24.19
2483.800	Average	43.50	-5.14	38.36	54.00	-15.64
2483.800	Peak	54.82	-5.14	49.68	74.00	-24.32

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2462 MHz

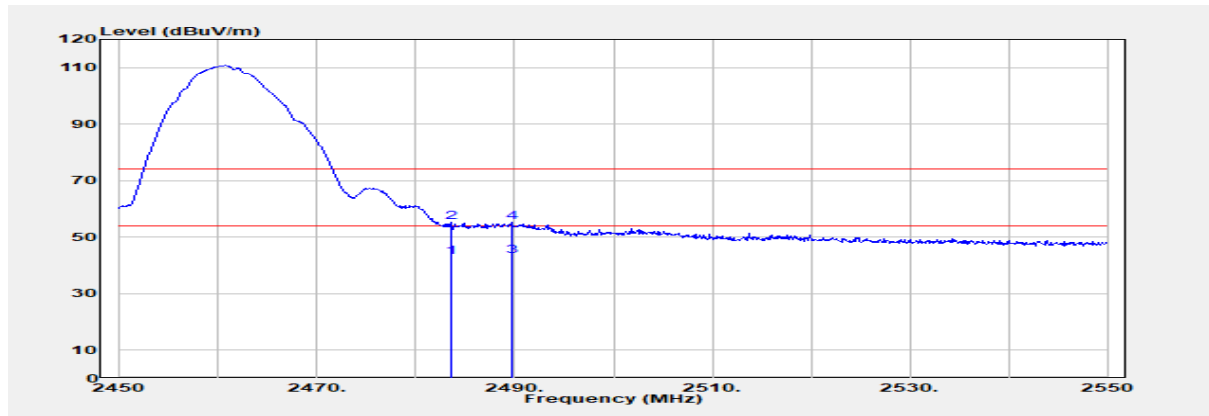
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.19	-5.14	43.05	54.00	-10.95
2483.500	Peak	60.46	-5.14	55.32	74.00	-18.68
2489.700	Average	48.49	-5.17	43.32	54.00	-10.68
2489.700	Peak	60.35	-5.17	55.17	74.00	-18.83

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-02

Test Frequency :2412 MHz

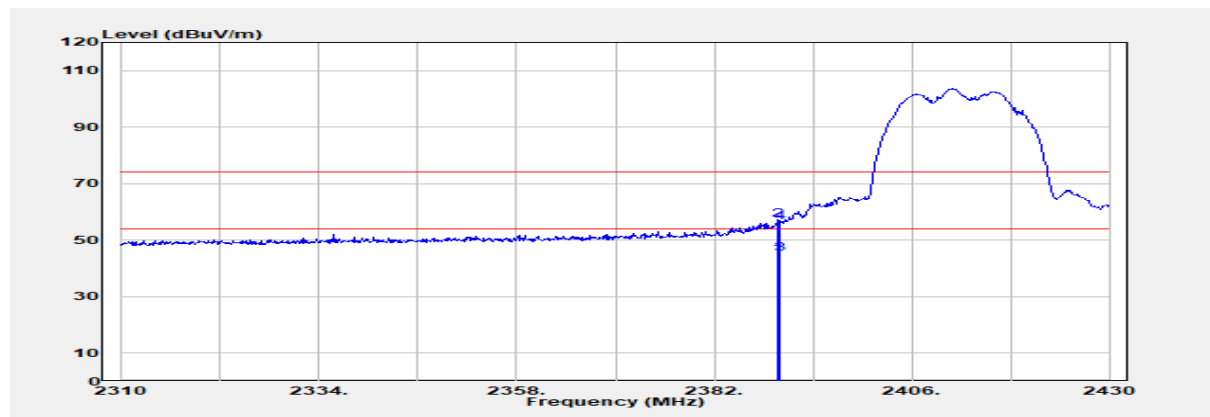
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2389.800	Average	49.37	-4.38	44.98	54.00	-9.02
2389.800	Peak	61.51	-4.38	57.12	74.00	-16.88
2390.000	Average	49.45	-4.38	45.06	54.00	-8.94
2390.000	Peak	60.78	-4.38	56.40	74.00	-17.60

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-02

Test Frequency :2412 MHz

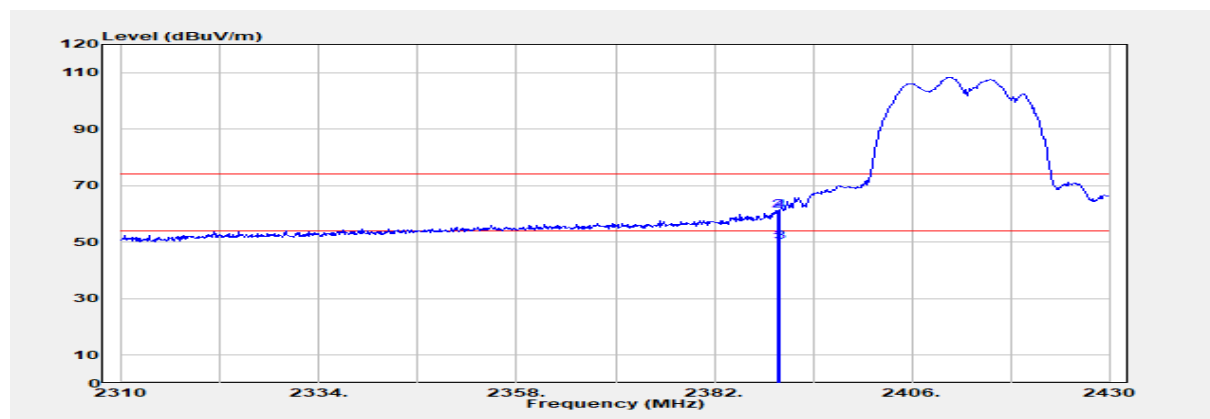
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.680	Average	54.04	-4.39	49.65	54.00	-4.35
2389.680	Peak	65.62	-4.39	61.23	74.00	-12.77
2390.000	Average	54.53	-4.38	50.15	54.00	-3.85
2390.000	Peak	65.53	-4.38	61.15	74.00	-12.85

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2417 MHz

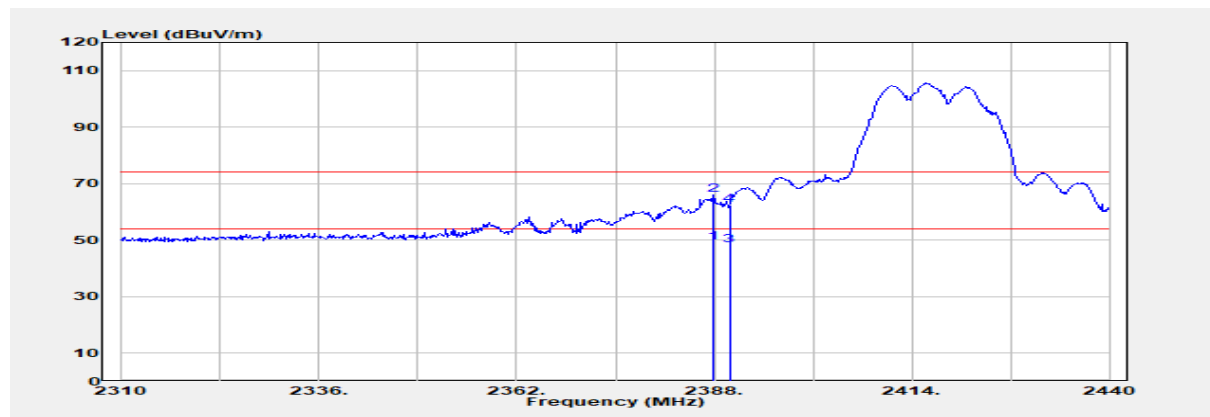
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.870	Average	53.39	-4.40	48.99	54.00	-5.01
2387.870	Peak	70.45	-4.40	66.05	74.00	-7.95
2390.000	Average	52.62	-4.38	48.24	54.00	-5.76
2390.000	Peak	66.87	-4.38	62.49	74.00	-11.51

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2417 MHz

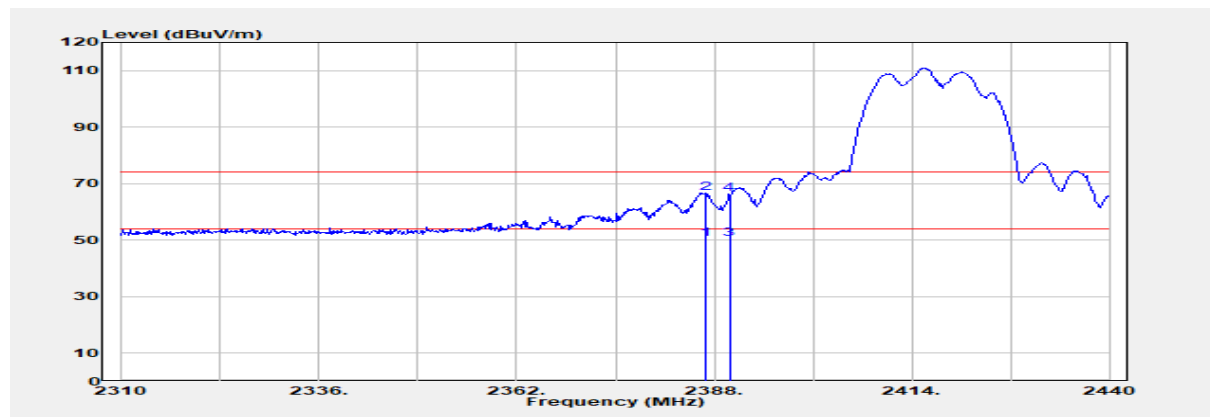
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.830	Average	54.78	-4.40	50.38	54.00	-3.62
2386.830	Peak	71.09	-4.40	66.69	74.00	-7.31
2390.000	Average	54.92	-4.38	50.54	54.00	-3.46
2390.000	Peak	70.71	-4.38	66.32	74.00	-7.68

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Member of SGS Group

Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2422 MHz

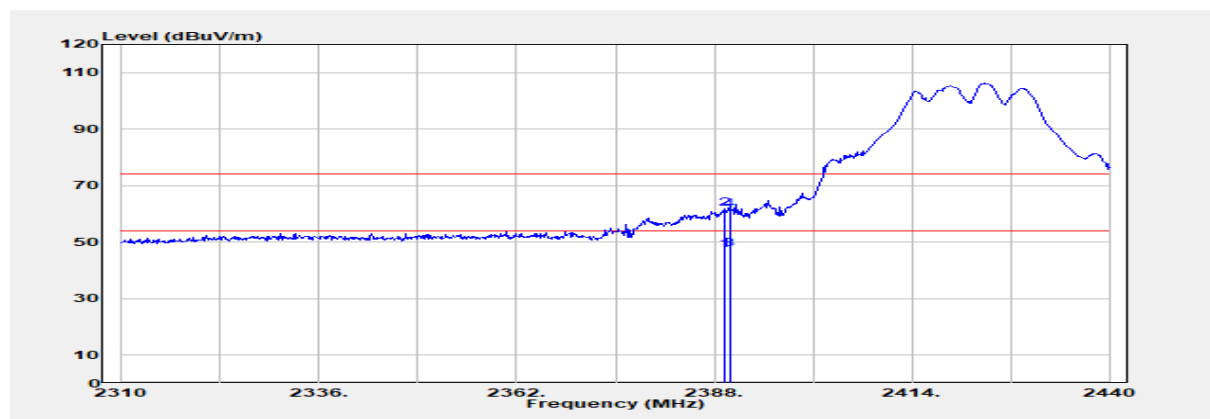
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.300	Average	51.56	-4.39	47.17	54.00	-6.83
2389.300	Peak	66.07	-4.39	61.69	74.00	-12.31
2390.000	Average	51.97	-4.38	47.58	54.00	-6.42
2390.000	Peak	65.72	-4.38	61.34	74.00	-12.66

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2422 MHz

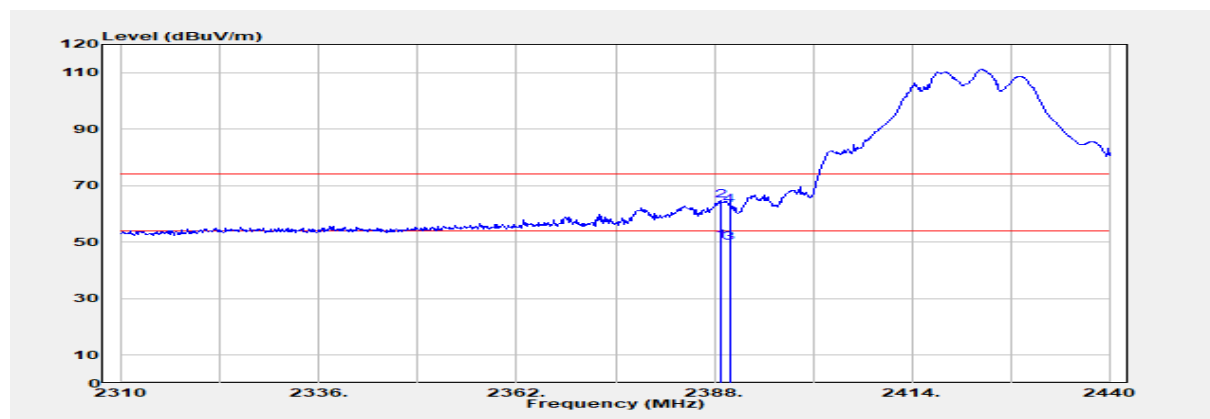
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.910	Average	54.90	-4.39	50.51	54.00	-3.49
2388.910	Peak	69.04	-4.39	64.65	74.00	-9.35
2390.000	Average	54.16	-4.38	49.77	54.00	-4.23
2390.000	Peak	67.61	-4.38	63.23	74.00	-10.77

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2427 MHz

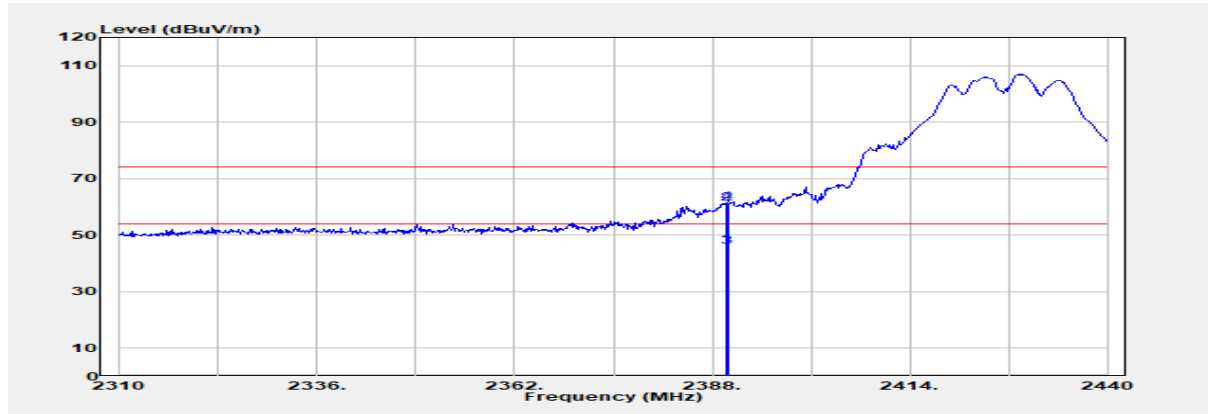
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	50.60	-4.38	46.21	54.00	-7.79
2389.820	Peak	65.65	-4.38	61.26	74.00	-12.74
2390.000	Average	50.32	-4.38	45.94	54.00	-8.06
2390.000	Peak	65.97	-4.38	61.59	74.00	-12.41

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2427 MHz

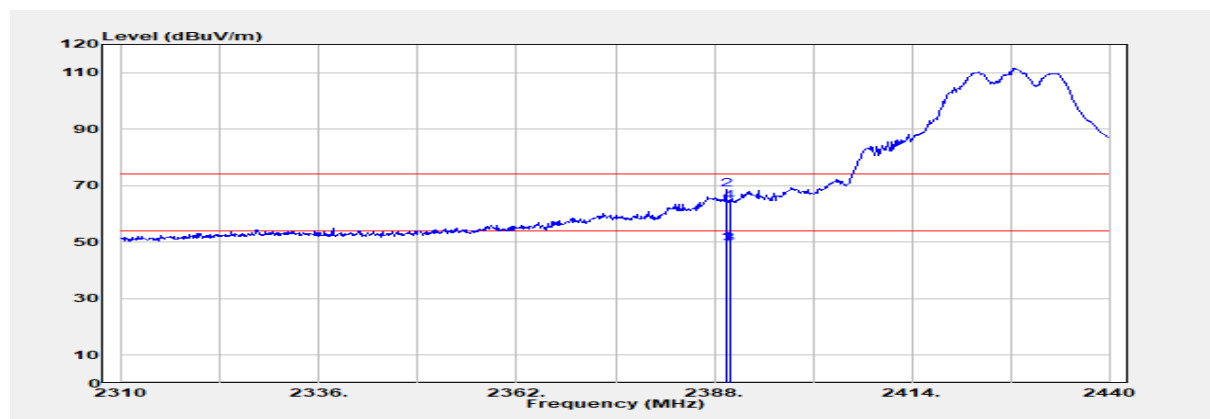
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.560	Average	53.90	-4.39	49.52	54.00	-4.48
2389.560	Peak	72.86	-4.39	68.48	74.00	-5.52
2390.000	Average	53.86	-4.38	49.48	54.00	-4.52
2390.000	Peak	68.79	-4.38	64.41	74.00	-9.59

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2452 MHz

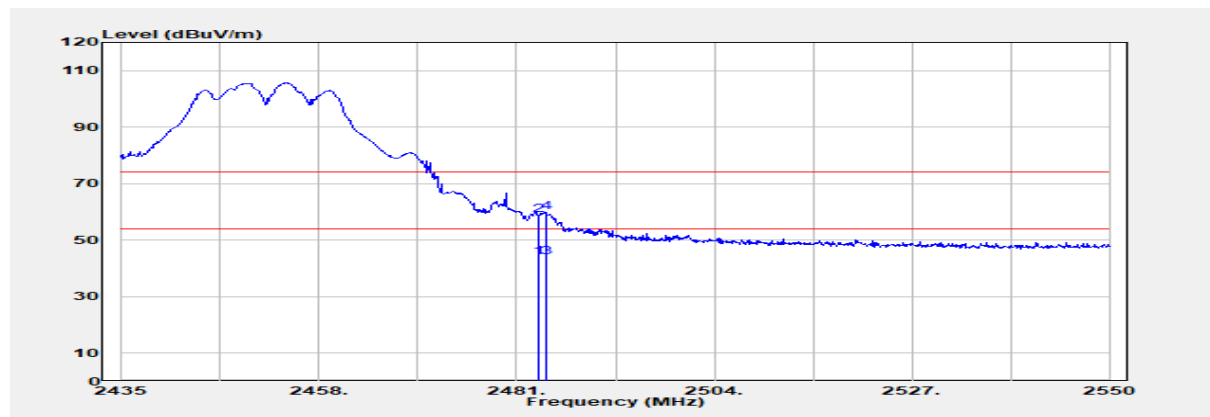
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	49.14	-5.14	44.00	54.00	-10.00
2483.500	Peak	63.92	-5.14	58.78	74.00	-15.22
2484.335	Average	49.11	-5.14	43.97	54.00	-10.03
2484.335	Peak	64.99	-5.14	59.85	74.00	-14.15

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2452 MHz

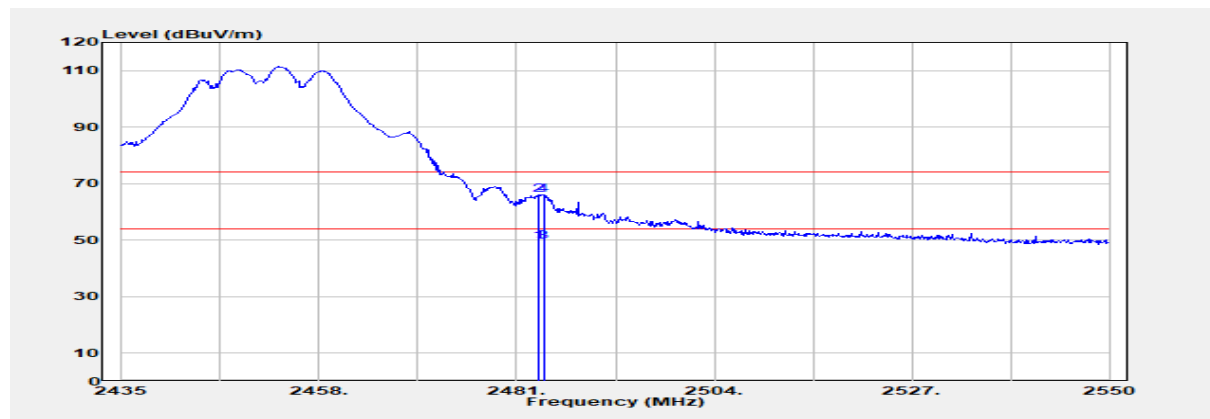
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	54.69	-5.14	49.55	54.00	-4.45
2483.500	Peak	71.11	-5.14	65.97	74.00	-8.03
2484.105	Average	54.66	-5.14	49.52	54.00	-4.48
2484.105	Peak	71.28	-5.14	66.14	74.00	-7.86

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2457 MHz

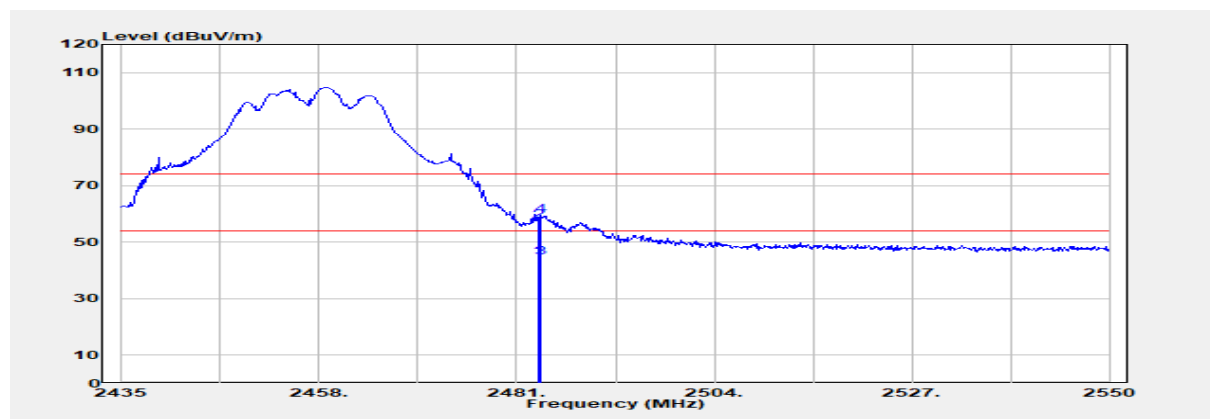
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.74	-5.14	44.61	54.00	-9.39
2483.500	Peak	62.61	-5.14	57.47	74.00	-16.53
2483.760	Average	49.73	-5.14	44.59	54.00	-9.41
2483.760	Peak	64.51	-5.14	59.37	74.00	-14.63

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-13

Test Frequency :2457 MHz

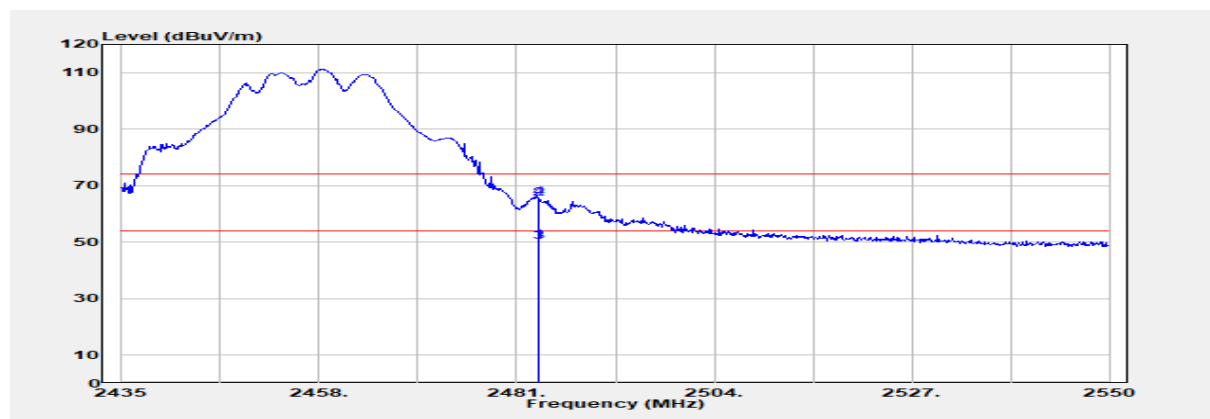
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	55.65	-5.14	50.51	54.00	-3.49
2483.500	Peak	70.41	-5.14	65.27	74.00	-8.73
2483.645	Average	55.24	-5.14	50.10	54.00	-3.90
2483.645	Peak	70.75	-5.14	65.61	74.00	-8.39

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-02

Test Frequency :2462 MHz

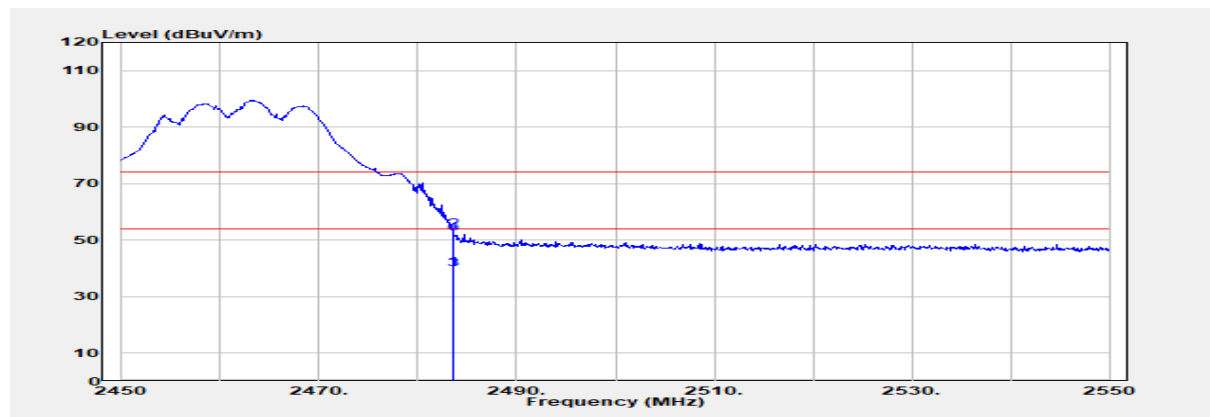
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	45.17	-5.14	40.03	54.00	-13.97
2483.500	Peak	58.70	-5.14	53.56	74.00	-20.44
2483.600	Average	44.79	-5.14	39.65	54.00	-14.35
2483.600	Peak	57.57	-5.14	52.43	74.00	-21.57

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-02

Test Frequency :2462 MHz

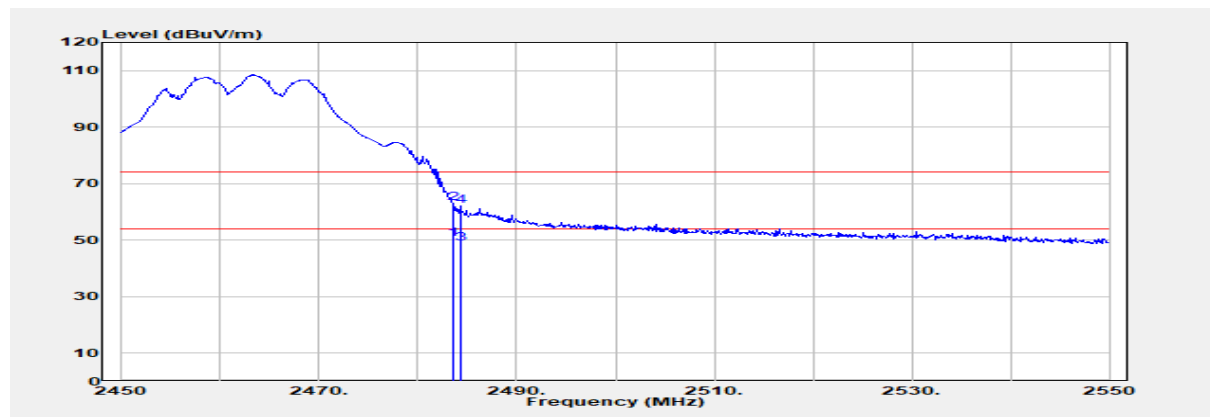
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	55.39	-5.14	50.25	54.00	-3.75
2483.500	Peak	68.33	-5.14	63.19	74.00	-10.81
2484.300	Average	54.08	-5.14	48.94	54.00	-5.06
2484.300	Peak	67.39	-5.14	62.25	74.00	-11.75

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-02

Test Frequency :2412 MHz

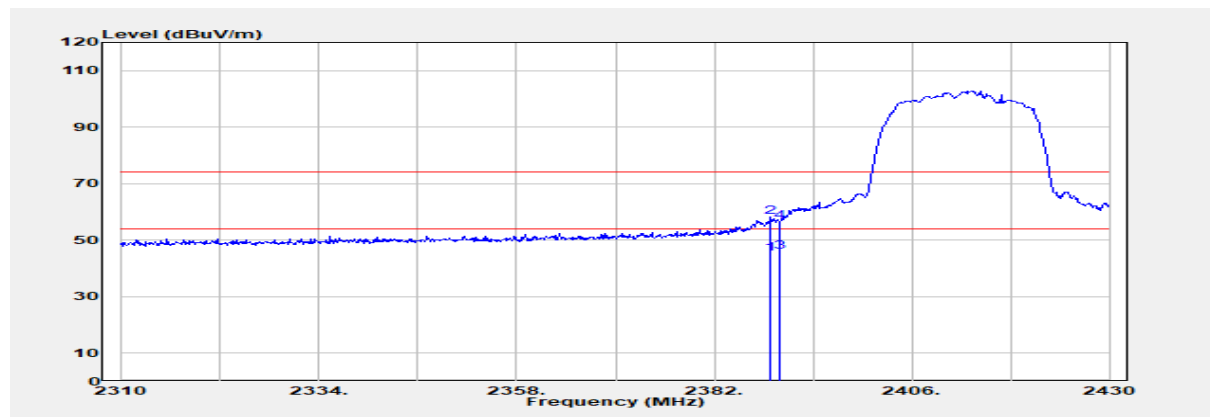
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.840	Average	49.47	-4.39	45.08	54.00	-8.92
2388.840	Peak	62.64	-4.39	58.25	74.00	-15.75
2390.000	Average	50.27	-4.38	45.89	54.00	-8.11
2390.000	Peak	60.92	-4.38	56.54	74.00	-17.46

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-02

Test Frequency :2412 MHz

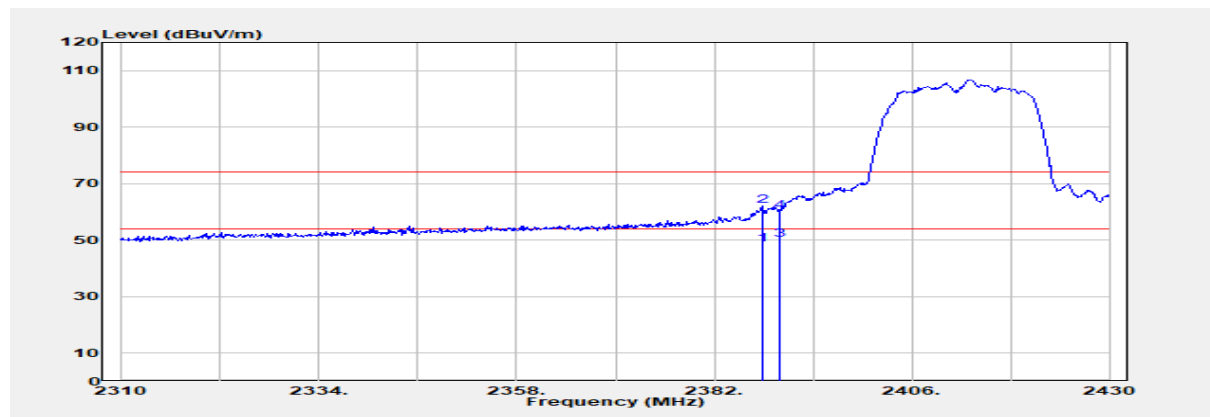
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.880	Average	52.81	-4.40	48.42	54.00	-5.58
2387.880	Peak	66.41	-4.40	62.01	74.00	-11.99
2390.000	Average	54.55	-4.38	50.17	54.00	-3.83
2390.000	Peak	64.70	-4.38	60.32	74.00	-13.68

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-13

Test Frequency :2417 MHz

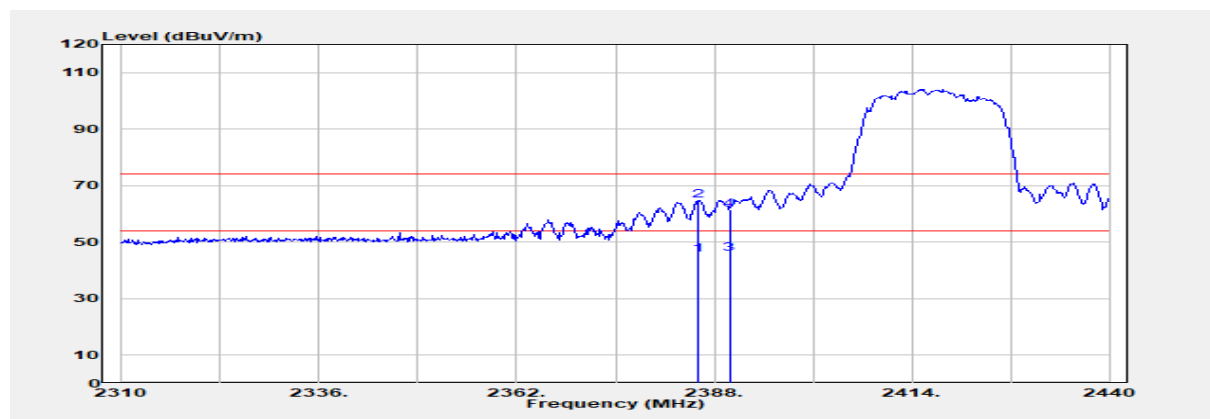
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.790	Average	49.80	-4.41	45.39	54.00	-8.61
2385.790	Peak	69.27	-4.41	64.86	74.00	-9.14
2390.000	Average	50.30	-4.38	45.92	54.00	-8.08
2390.000	Peak	65.91	-4.38	61.53	74.00	-12.47

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-13

Test Frequency :2417 MHz

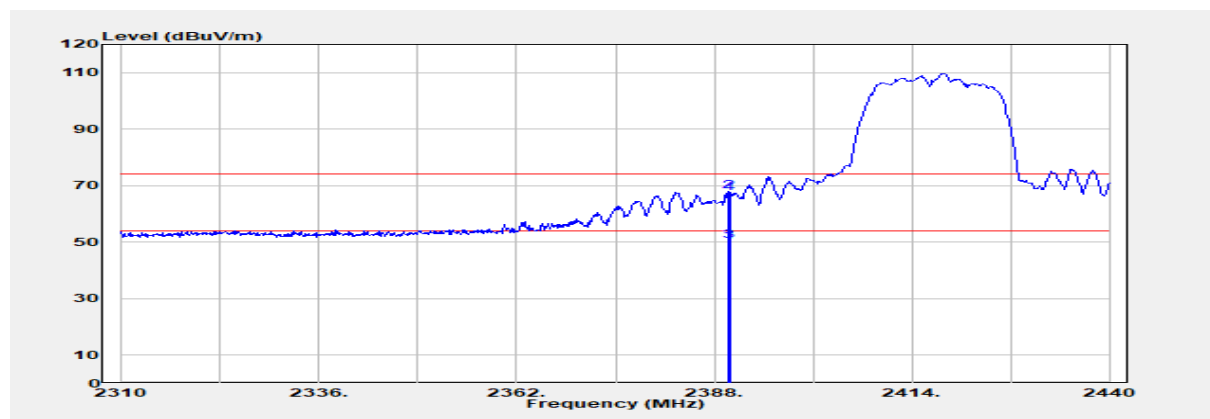
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	54.57	-4.38	50.19	54.00	-3.81
2389.820	Peak	72.42	-4.38	68.03	74.00	-5.97
2390.000	Average	54.65	-4.38	50.27	54.00	-3.73
2390.000	Peak	71.55	-4.38	67.17	74.00	-6.83

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-13

Test Frequency :2422 MHz

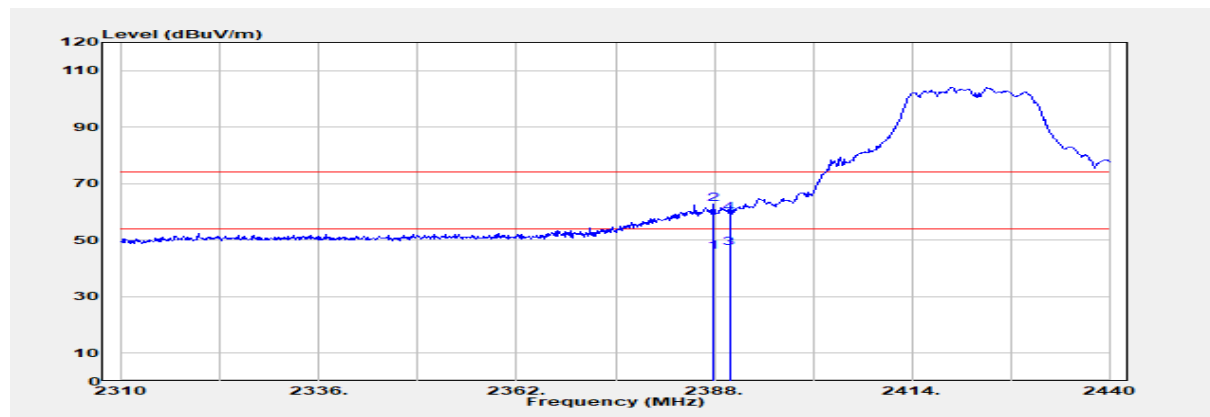
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2387.870	Average	50.31	-4.40	45.91	54.00	-8.09
2387.870	Peak	67.24	-4.40	62.84	74.00	-11.16
2390.000	Average	51.44	-4.38	47.06	54.00	-6.94
2390.000	Peak	63.82	-4.38	59.44	74.00	-14.56

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-13

Test Frequency :2422 MHz

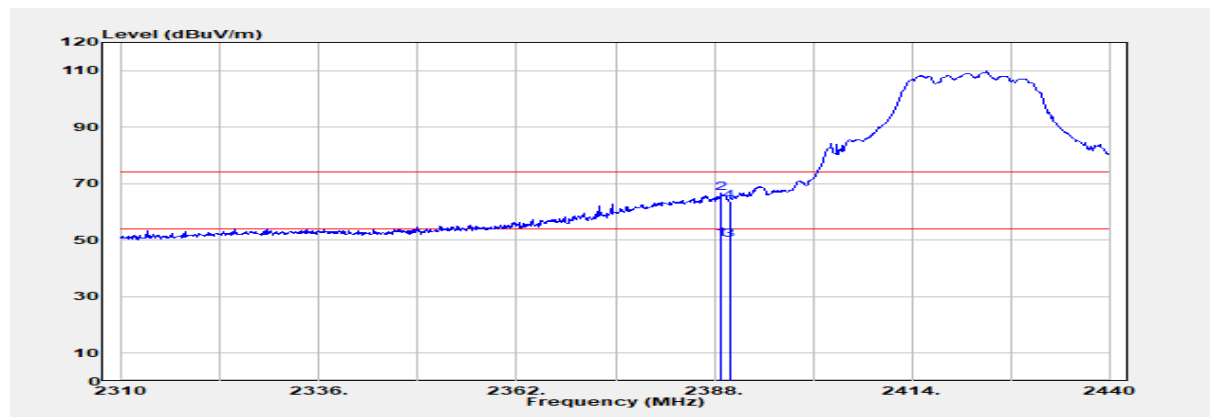
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.910	Average	54.83	-4.39	50.44	54.00	-3.56
2388.910	Peak	70.91	-4.39	66.52	74.00	-7.48
2390.000	Average	54.41	-4.38	50.02	54.00	-3.98
2390.000	Peak	68.02	-4.38	63.64	74.00	-10.36

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-13

Test Frequency :2457 MHz

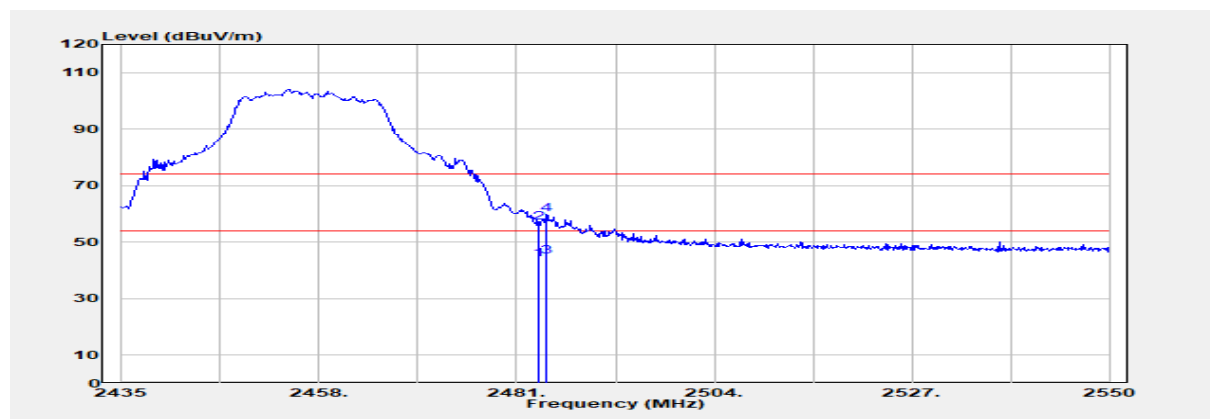
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.98	-5.14	43.84	54.00	-10.16
2483.500	Peak	62.08	-5.14	56.94	74.00	-17.06
2484.335	Average	49.91	-5.14	44.77	54.00	-9.23
2484.335	Peak	65.07	-5.14	59.93	74.00	-14.07

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-13

Test Frequency :2457 MHz

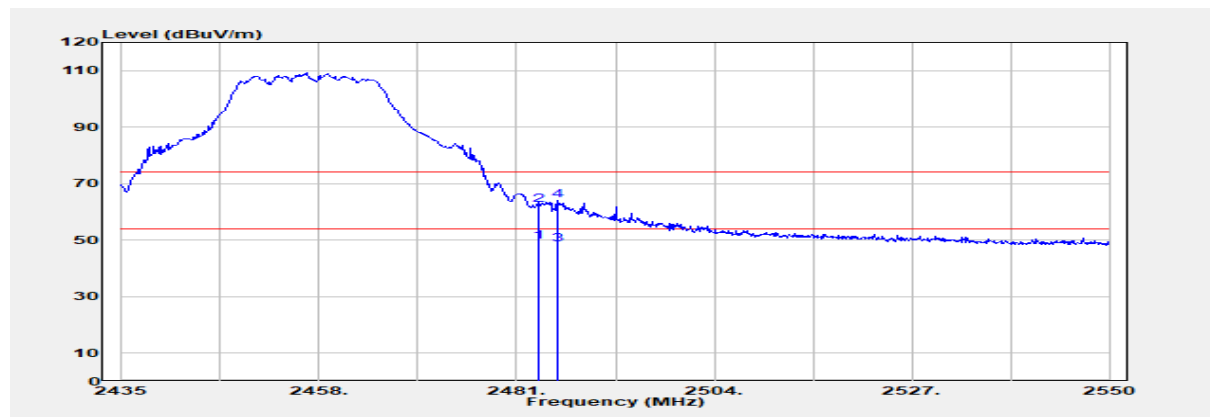
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	54.58	-5.14	49.44	54.00	-4.56
2483.500	Peak	67.66	-5.14	62.52	74.00	-11.48
2485.715	Average	53.70	-5.15	48.55	54.00	-5.45
2485.715	Peak	69.10	-5.15	63.95	74.00	-10.05

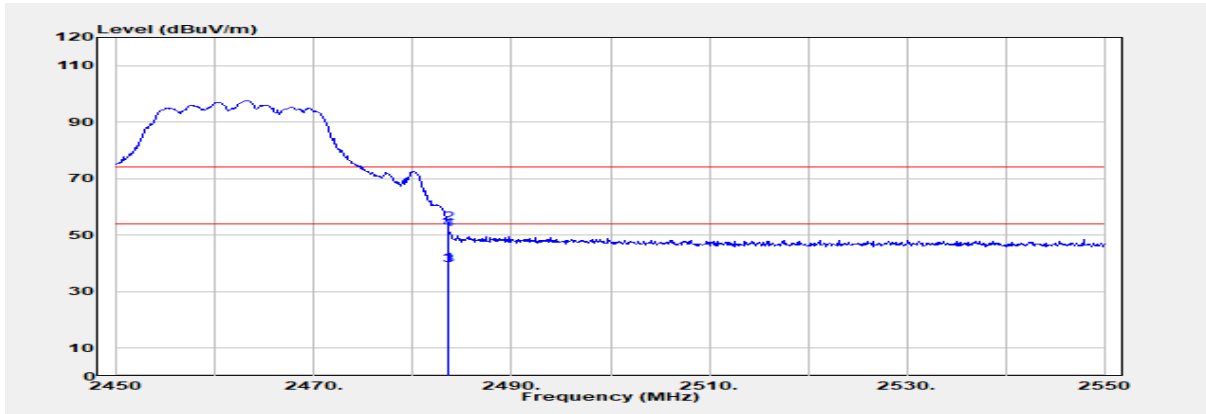
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Report Number :TERF2406001649E2
Operation Mode :802.11n20
Test Frequency :2462 MHz
Test Mode :Bandedge
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-02
Temp./Humi. :22.3°C/56%
Antenna Pol. :Vertical
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	44.80	-5.14	39.66	54.00	-14.34
2483.500	Peak	59.29	-5.14	54.15	74.00	-19.85
2483.600	Average	44.41	-5.14	39.28	54.00	-14.72
2483.600	Peak	57.30	-5.14	52.16	74.00	-21.84

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-02

Test Frequency :2462 MHz

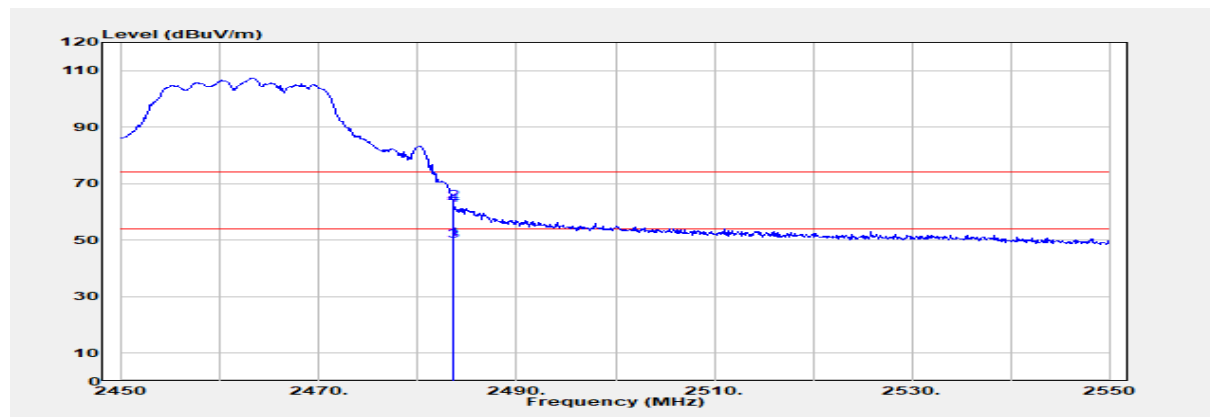
Temp./Humi. :22.3°C/56%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	55.47	-5.14	50.33	54.00	-3.67
2483.500	Peak	68.93	-5.14	63.80	74.00	-10.20
2483.600	Average	54.89	-5.14	49.75	54.00	-4.25
2483.600	Peak	67.57	-5.14	62.43	74.00	-11.57

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-06

Test Frequency :2422 MHz

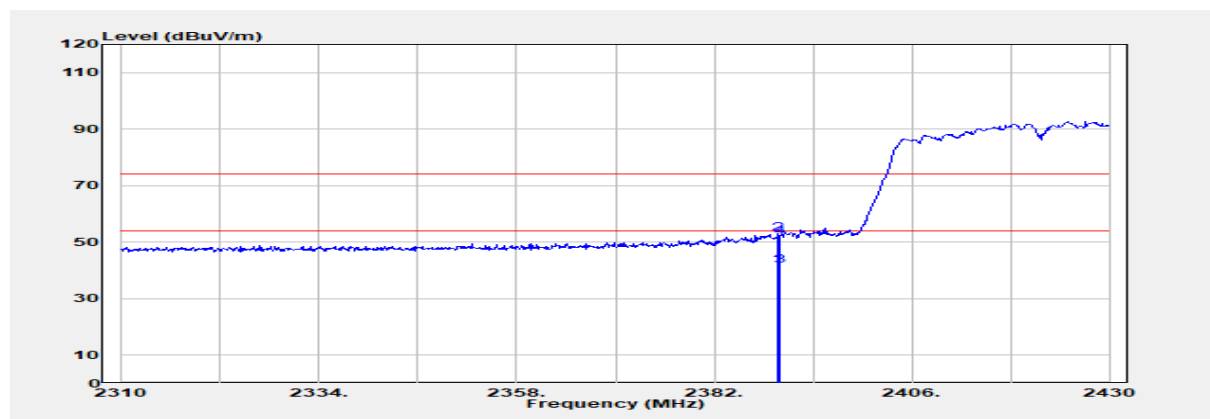
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.800	Average	45.87	-4.38	41.49	54.00	-12.51
2389.800	Peak	57.54	-4.38	53.15	74.00	-20.85
2390.000	Average	46.04	-4.38	41.66	54.00	-12.34
2390.000	Peak	56.05	-4.38	51.67	74.00	-22.33

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-06

Test Frequency :2422 MHz

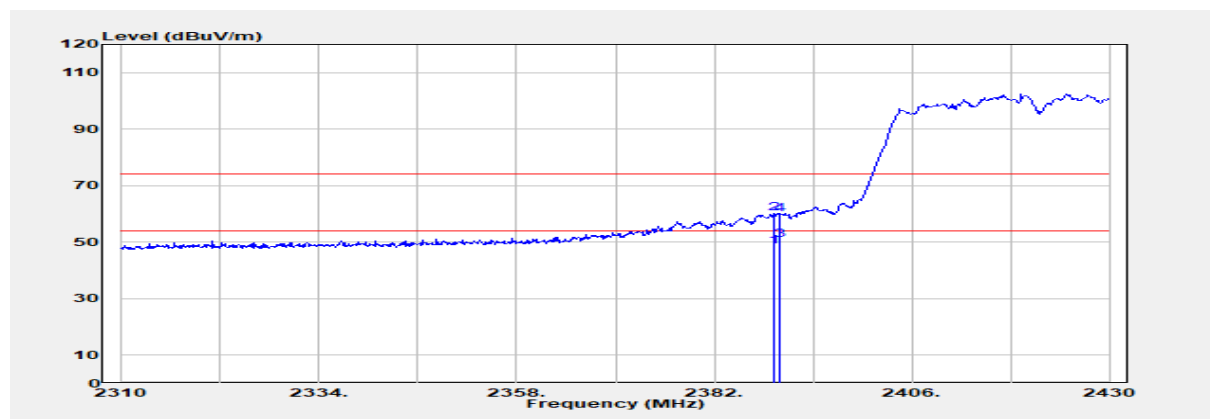
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.320	Average	52.92	-4.39	48.53	54.00	-5.47
2389.320	Peak	64.68	-4.39	60.29	74.00	-13.71
2390.000	Average	55.01	-4.38	50.63	54.00	-3.37
2390.000	Peak	64.12	-4.38	59.74	74.00	-14.26

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2427 MHz

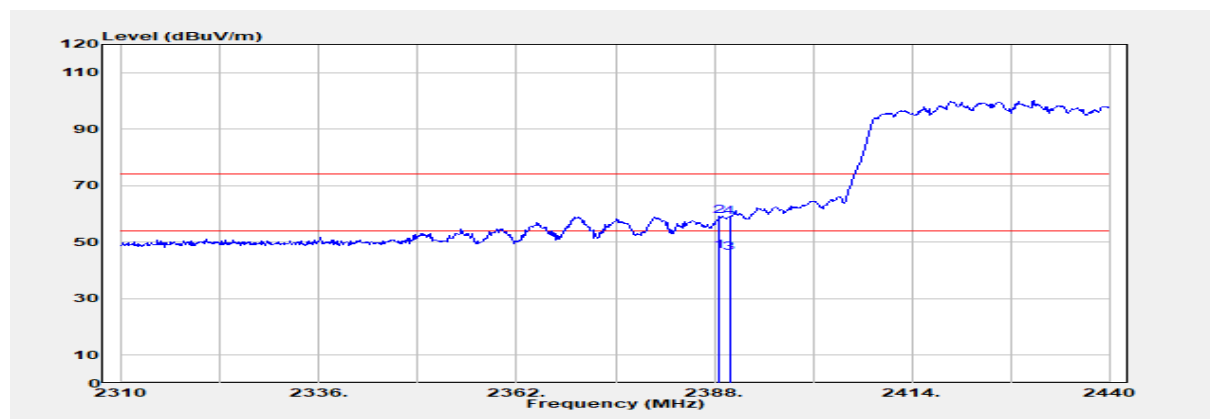
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.650	Average	51.25	-4.39	46.86	54.00	-7.14
2388.650	Peak	63.66	-4.39	59.27	74.00	-14.73
2390.000	Average	50.58	-4.38	46.20	54.00	-7.80
2390.000	Peak	63.17	-4.38	58.79	74.00	-15.21

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2427 MHz

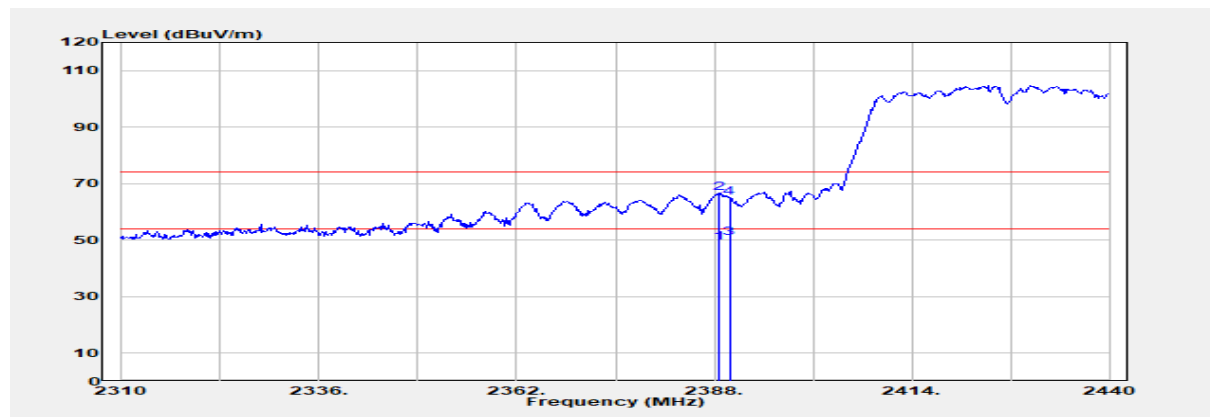
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.520	Average	53.37	-4.39	48.98	54.00	-5.02
2388.520	Peak	71.02	-4.39	66.63	74.00	-7.37
2390.000	Average	55.27	-4.38	50.89	54.00	-3.11
2390.000	Peak	69.42	-4.38	65.03	74.00	-8.97

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2432 MHz

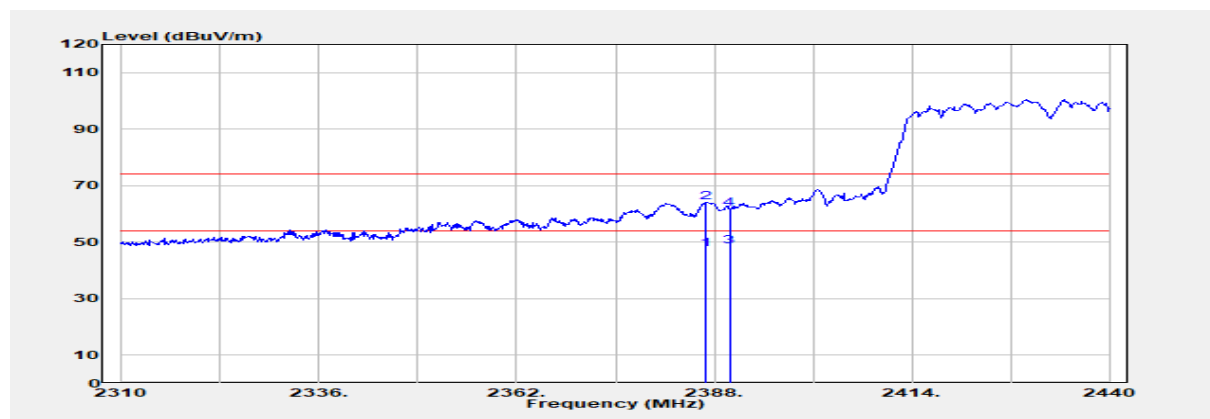
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.830	Average	51.79	-4.40	47.38	54.00	-6.62
2386.830	Peak	68.55	-4.40	64.15	74.00	-9.85
2390.000	Average	52.84	-4.38	48.45	54.00	-5.55
2390.000	Peak	66.33	-4.38	61.95	74.00	-12.05

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2432 MHz

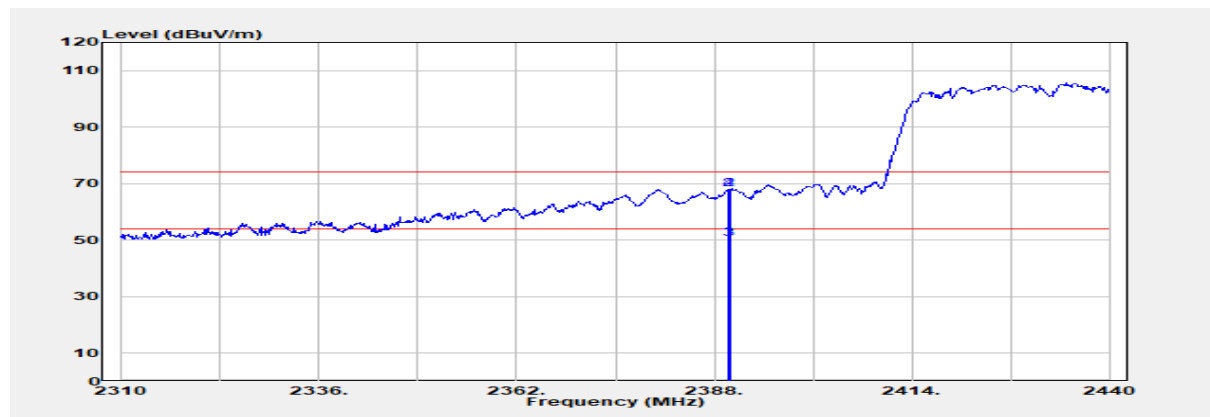
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.820	Average	55.24	-4.38	50.86	54.00	-3.14
2389.820	Peak	72.41	-4.38	68.02	74.00	-5.98
2390.000	Average	54.70	-4.38	50.32	54.00	-3.68
2390.000	Peak	72.38	-4.38	67.99	74.00	-6.01

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2442 MHz

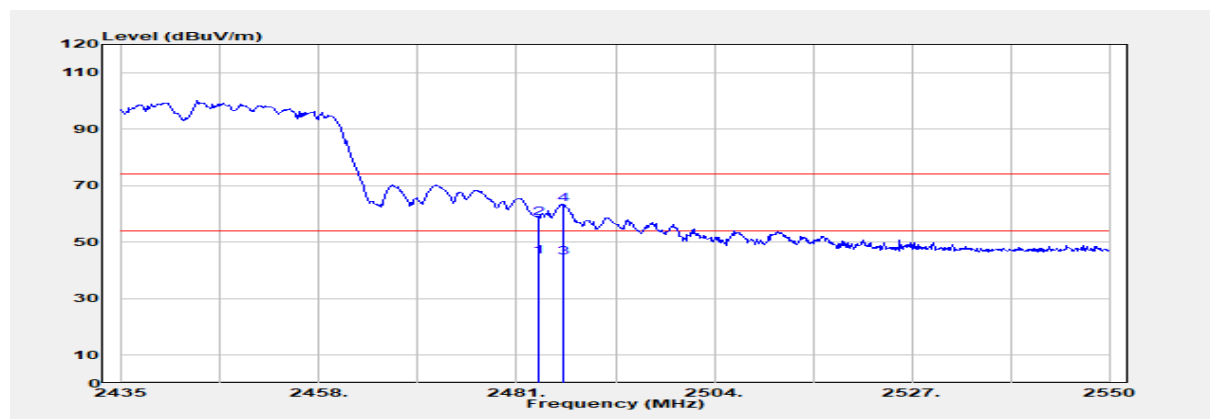
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.99	-5.14	44.85	54.00	-9.15
2483.500	Peak	63.65	-5.14	58.51	74.00	-15.49
2486.405	Average	49.73	-5.15	44.58	54.00	-9.42
2486.405	Peak	68.68	-5.15	63.53	74.00	-10.47

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2442 MHz

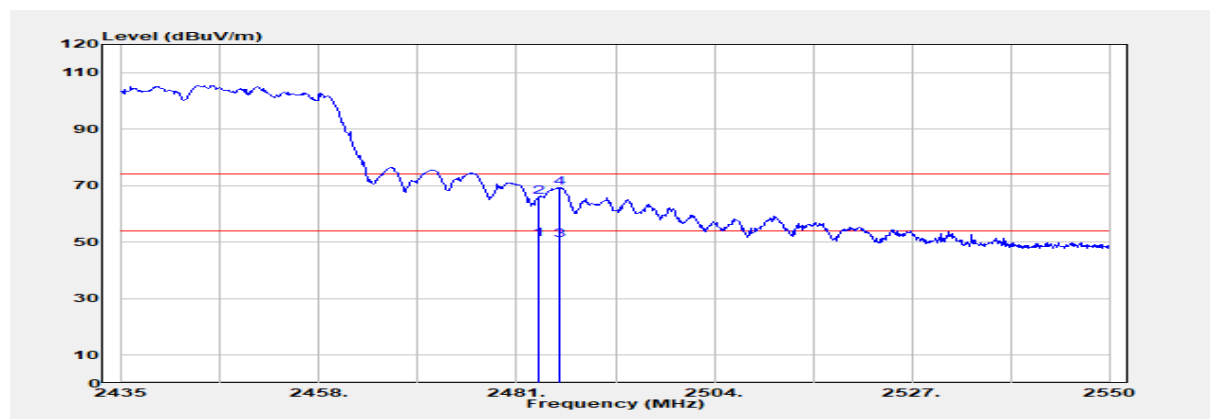
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	56.13	-5.14	50.99	54.00	-3.01
2483.500	Peak	71.11	-5.14	65.97	74.00	-8.03
2485.945	Average	55.90	-5.15	50.75	54.00	-3.25
2485.945	Peak	74.50	-5.15	69.35	74.00	-4.65

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2447 MHz

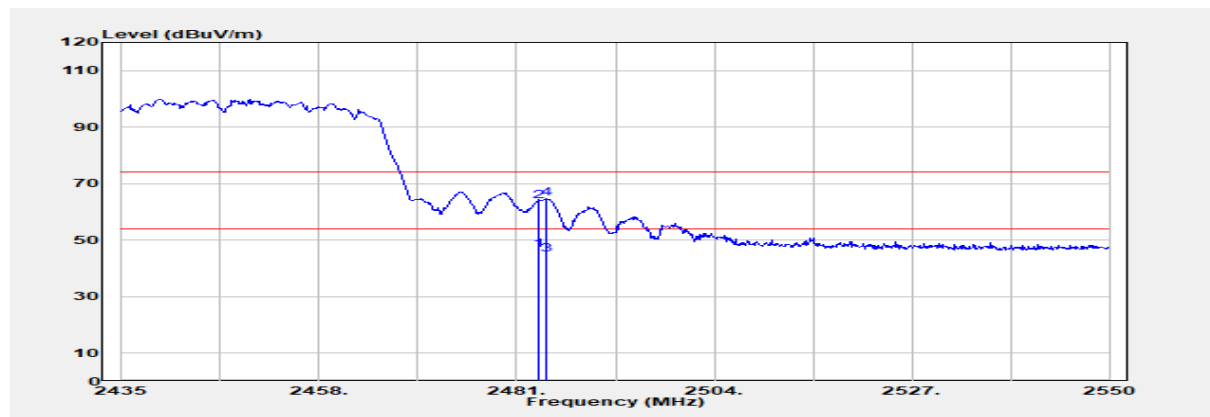
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.55	-5.14	46.42	54.00	-7.58
2483.500	Peak	68.93	-5.14	63.79	74.00	-10.21
2484.450	Average	50.01	-5.14	44.87	54.00	-9.13
2484.450	Peak	69.91	-5.14	64.77	74.00	-9.23

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-13

Test Frequency :2447 MHz

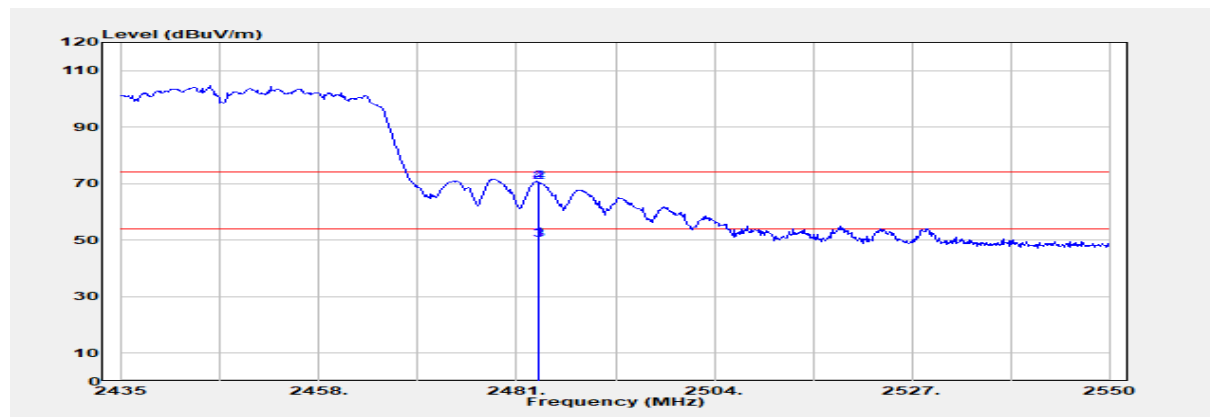
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	55.65	-5.14	50.51	54.00	-3.49
2483.500	Peak	75.85	-5.14	70.72	74.00	-3.28
2483.530	Average	55.37	-5.14	50.23	54.00	-3.77
2483.530	Peak	75.85	-5.14	70.72	74.00	-3.28

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-06

Test Frequency :2452 MHz

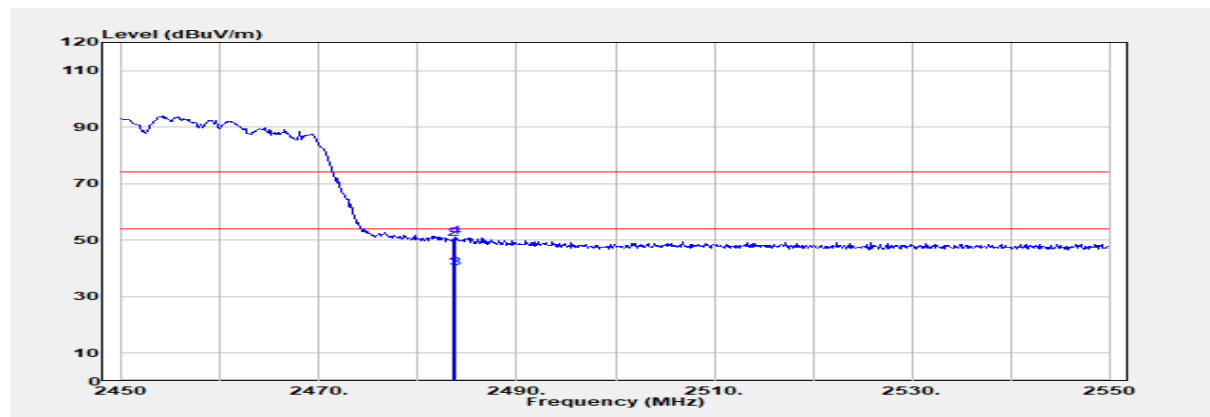
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	45.17	-5.14	40.04	54.00	-13.96
2483.500	Peak	55.41	-5.14	50.27	74.00	-23.73
2483.800	Average	45.23	-5.14	40.09	54.00	-13.91
2483.800	Peak	56.12	-5.14	50.98	74.00	-23.02

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-06

Test Frequency :2452 MHz

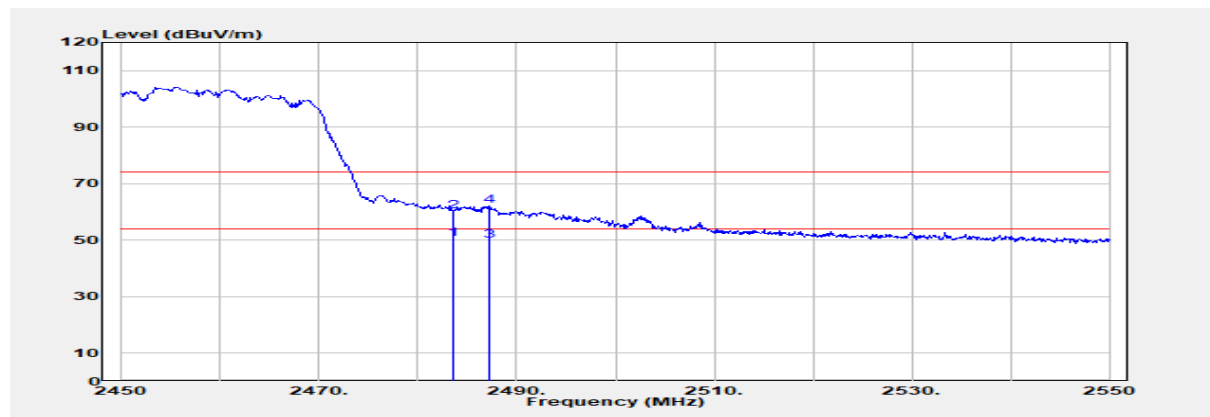
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	55.62	-5.14	50.48	54.00	-3.52
2483.500	Peak	65.45	-5.14	60.32	74.00	-13.68
2487.300	Average	54.99	-5.16	49.83	54.00	-4.17
2487.300	Peak	67.14	-5.16	61.98	74.00	-12.02

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2412 MHz

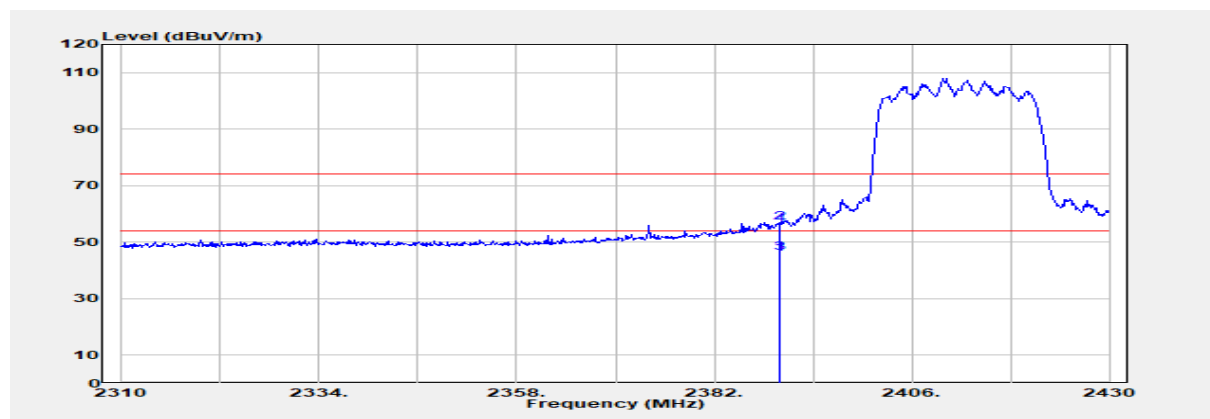
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	50.28	-4.38	45.89	54.00	-8.11
2389.920	Peak	61.27	-4.38	56.89	74.00	-17.11
2390.000	Average	50.58	-4.38	46.20	54.00	-7.80
2390.000	Peak	60.80	-4.38	56.42	74.00	-17.58

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2412 MHz

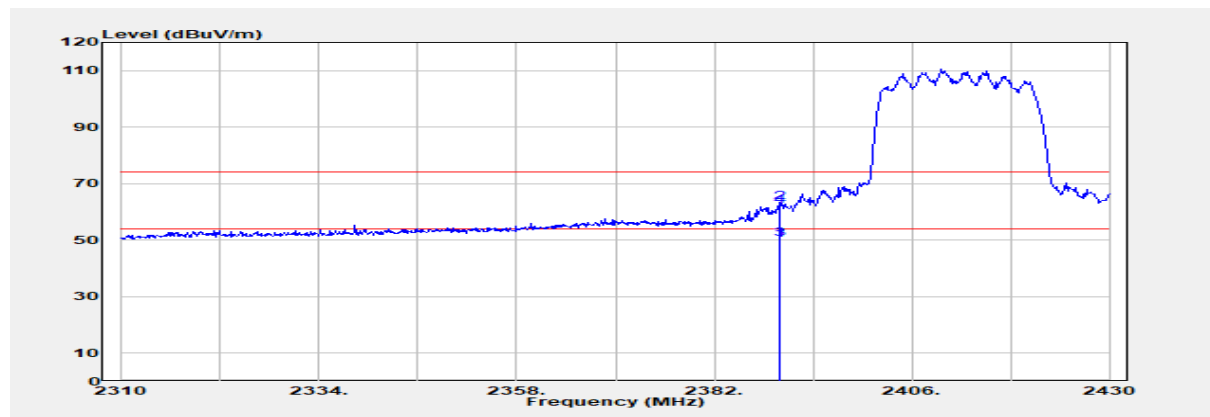
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.920	Average	54.44	-4.38	50.06	54.00	-3.94
2389.920	Peak	67.65	-4.38	63.27	74.00	-10.73
2390.000	Average	54.88	-4.38	50.50	54.00	-3.50
2390.000	Peak	66.55	-4.38	62.17	74.00	-11.83

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2412 MHz

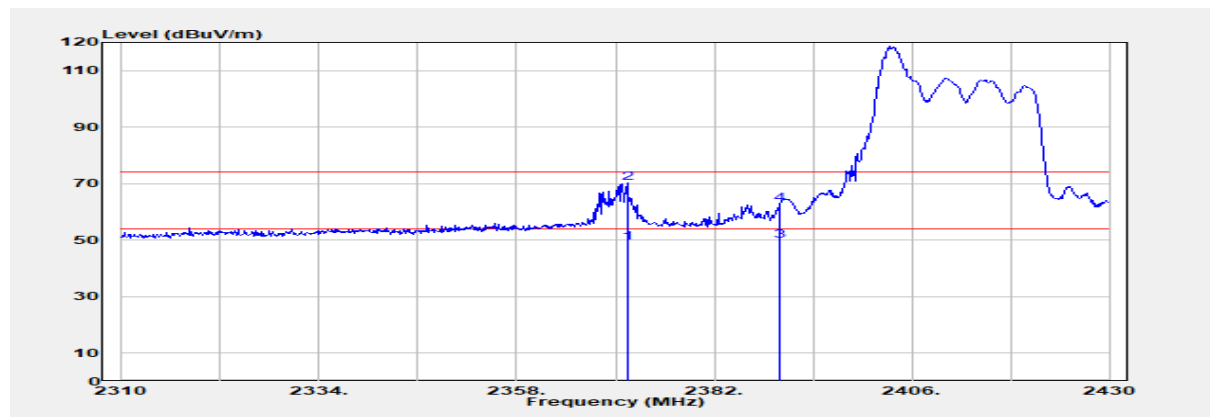
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU26/0

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2371.440	Average	53.54	-4.50	49.04	54.00	-4.96
2371.440	Peak	74.64	-4.50	70.14	74.00	-3.86
2390.000	Average	54.27	-4.38	49.89	54.00	-4.11
2390.000	Peak	67.17	-4.38	62.79	74.00	-11.21

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2412 MHz

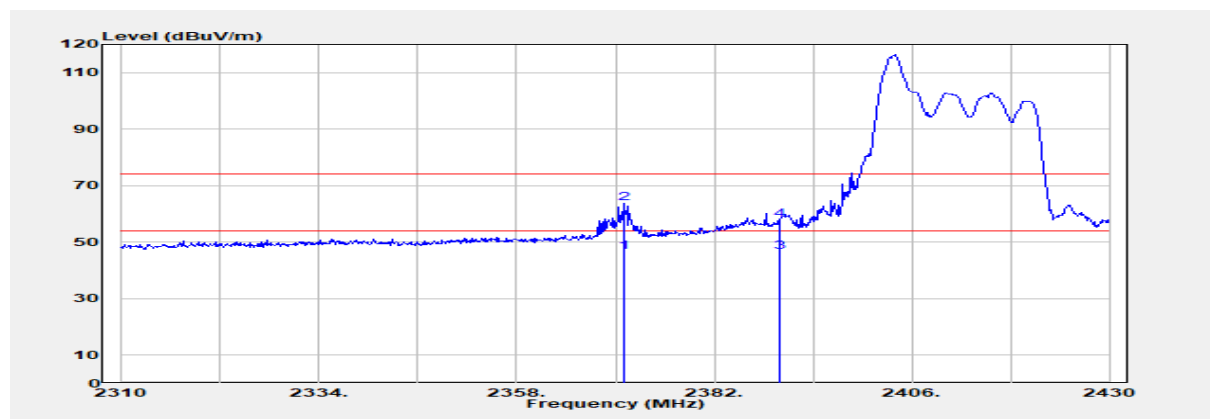
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU26/0

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



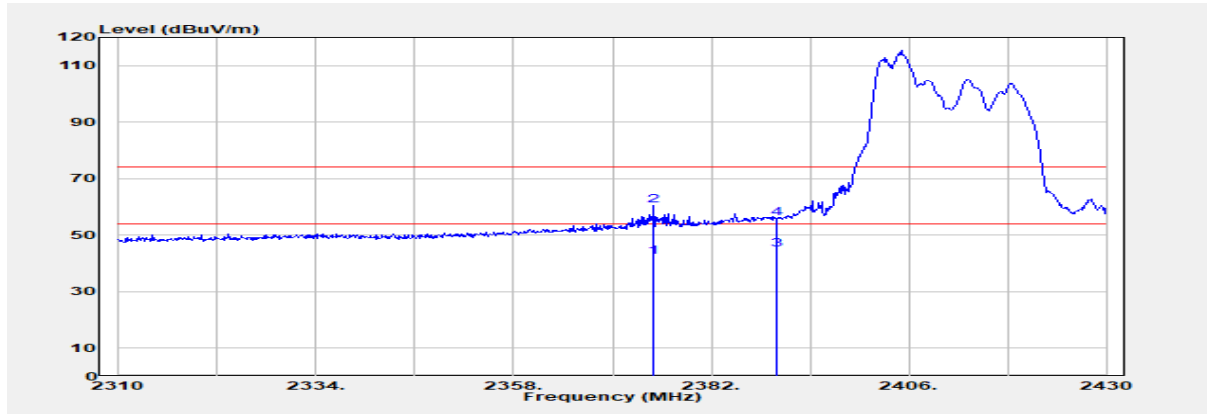
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2370.960	Average	51.11	-4.50	46.61	54.00	-7.39
2370.960	Peak	68.18	-4.50	63.68	74.00	-10.32
2390.000	Average	51.01	-4.38	46.62	54.00	-7.38
2390.000	Peak	62.25	-4.38	57.87	74.00	-16.13

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Report Number :TERF2406001649E2
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Bandedge RU52/37
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Vertical
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2375.040	Average	46.90	-4.48	42.42	54.00	-11.58
2375.040	Peak	64.83	-4.48	60.36	74.00	-13.64
2390.000	Average	49.26	-4.38	44.88	54.00	-9.12
2390.000	Peak	60.23	-4.38	55.85	74.00	-18.15

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2412 MHz

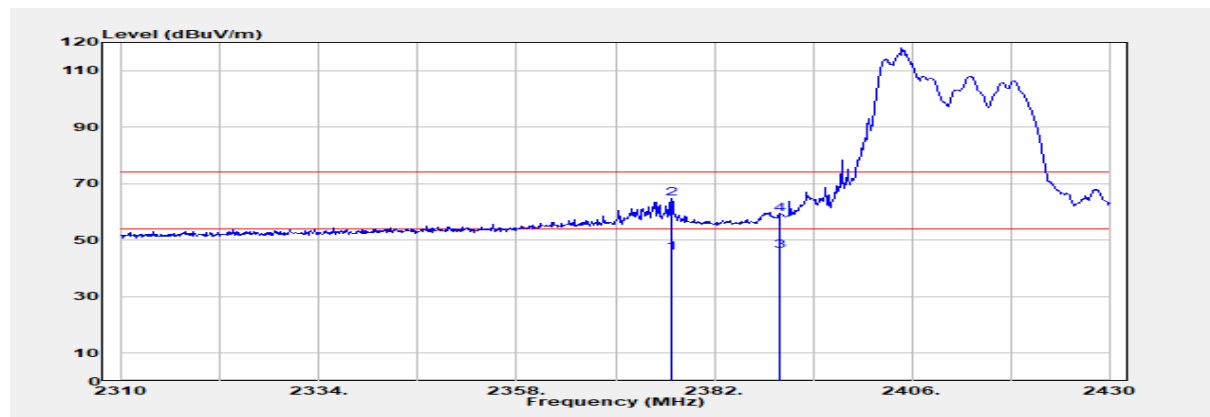
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU52/37

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2376.840	Average	50.00	-4.47	45.53	54.00	-8.47
2376.840	Peak	69.09	-4.47	64.62	74.00	-9.38
2390.000	Average	50.56	-4.38	46.18	54.00	-7.82
2390.000	Peak	63.58	-4.38	59.20	74.00	-14.80

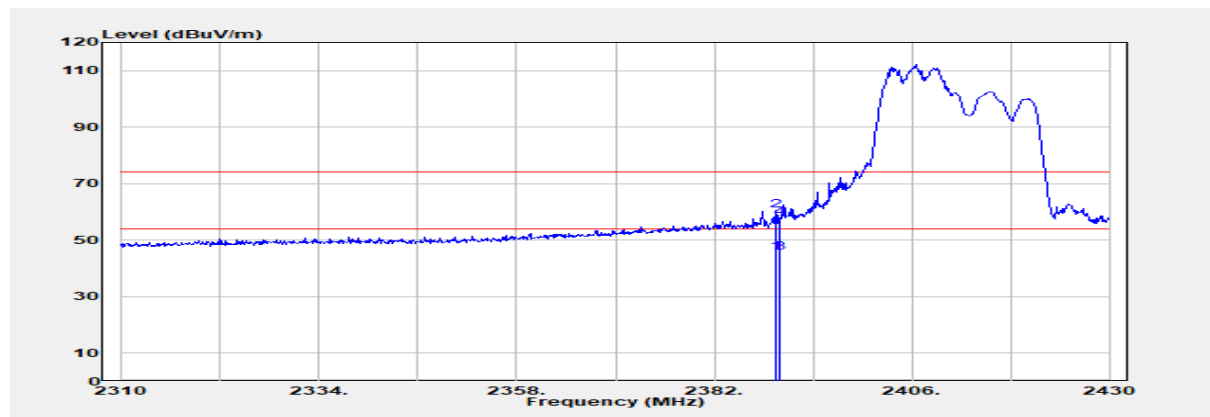
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Report Number :TERF2406001649E2
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Bandedge RU106/53
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Vertical
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.440	Average	49.84	-4.39	45.46	54.00	-8.54
2389.440	Peak	64.90	-4.39	60.51	74.00	-13.49
2390.000	Average	50.02	-4.38	45.64	54.00	-8.36
2390.000	Peak	62.29	-4.38	57.91	74.00	-16.09

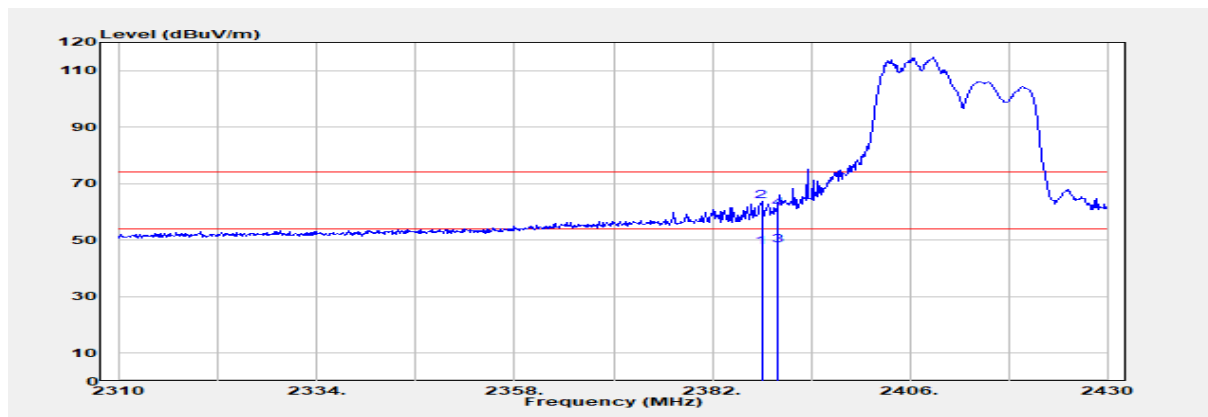
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Report Number :TERF2406001649E2
Operation Mode :802.11ax20
Test Frequency :2412 MHz
Test Mode :Bandedge RU106/53
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Horizontal
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.000	Average	51.88	-4.40	47.48	54.00	-6.52
2388.000	Peak	68.23	-4.40	63.84	74.00	-10.16
2390.000	Average	52.37	-4.38	47.99	54.00	-6.01
2390.000	Peak	65.45	-4.38	61.06	74.00	-12.94

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-13

Test Frequency :2417 MHz

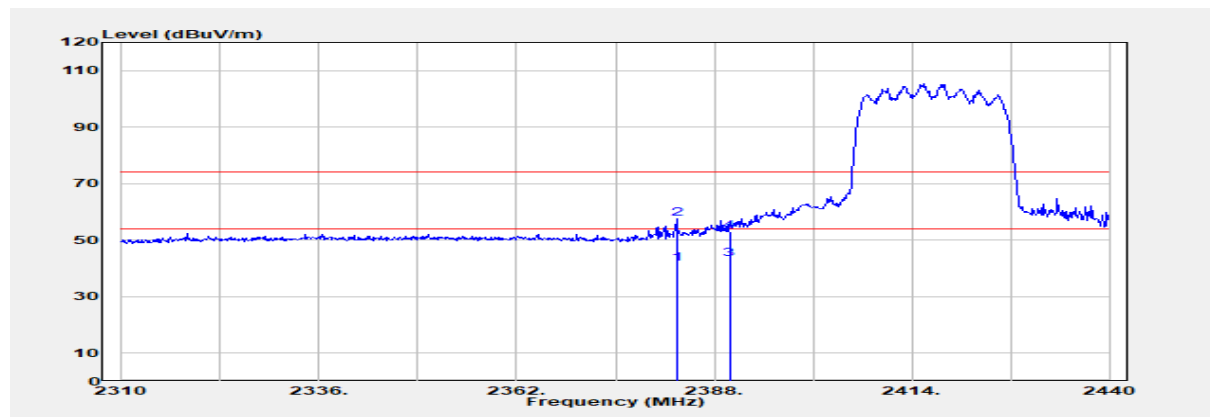
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level			FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2383.060	Average	45.92	-4.43	41.49	54.00	-12.51
2383.060	Peak	61.83	-4.43	57.41	74.00	-16.59
2390.000	Average	47.66	-4.38	43.28	54.00	-10.72
2390.000	Peak	57.38	-4.38	53.00	74.00	-21.00

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-13

Test Frequency :2417 MHz

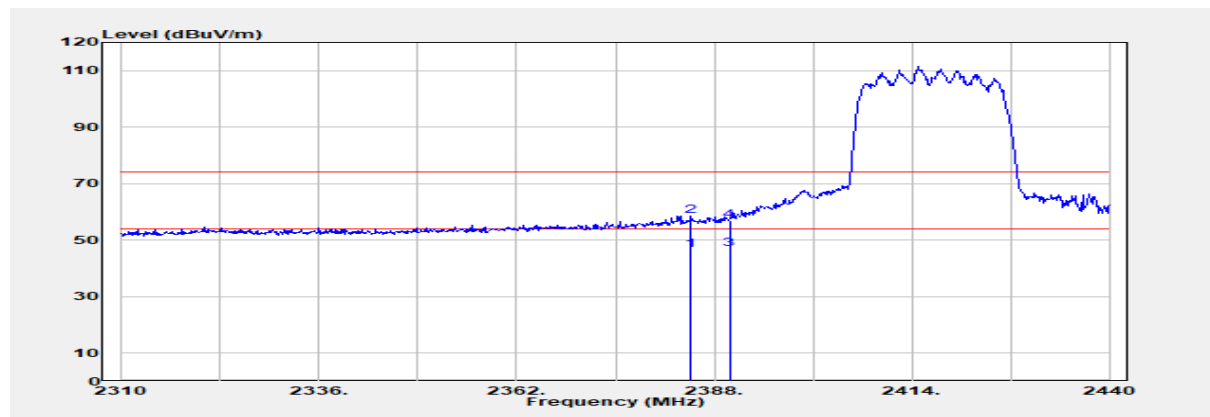
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2384.880	Average	50.82	-4.42	46.40	54.00	-7.60
2384.880	Peak	63.05	-4.42	58.63	74.00	-15.37
2390.000	Average	51.25	-4.38	46.87	54.00	-7.13
2390.000	Peak	61.25	-4.38	56.87	74.00	-17.13

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2462 MHz

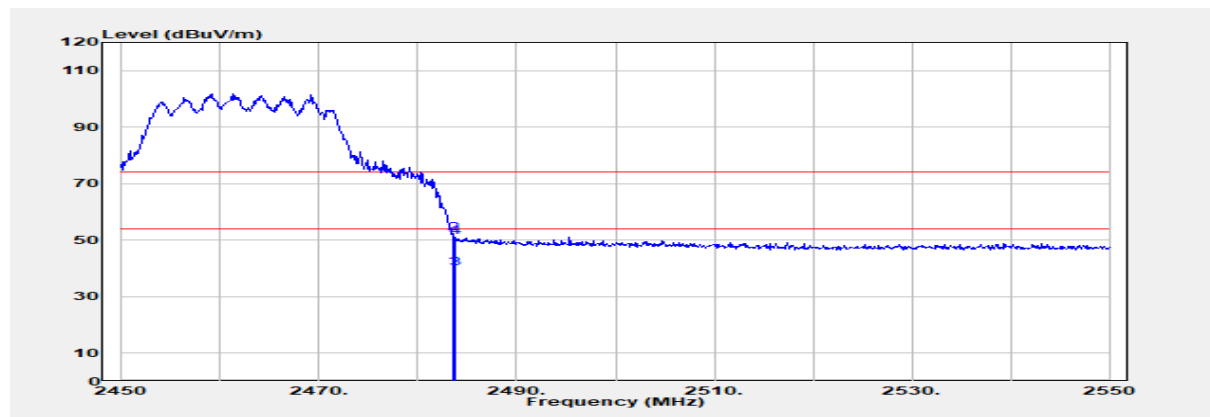
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	45.46	-5.14	40.32	54.00	-13.68
2483.500	Peak	57.43	-5.14	52.29	74.00	-21.71
2483.700	Average	45.06	-5.14	39.92	54.00	-14.08
2483.700	Peak	56.21	-5.14	51.07	74.00	-22.93

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2462 MHz

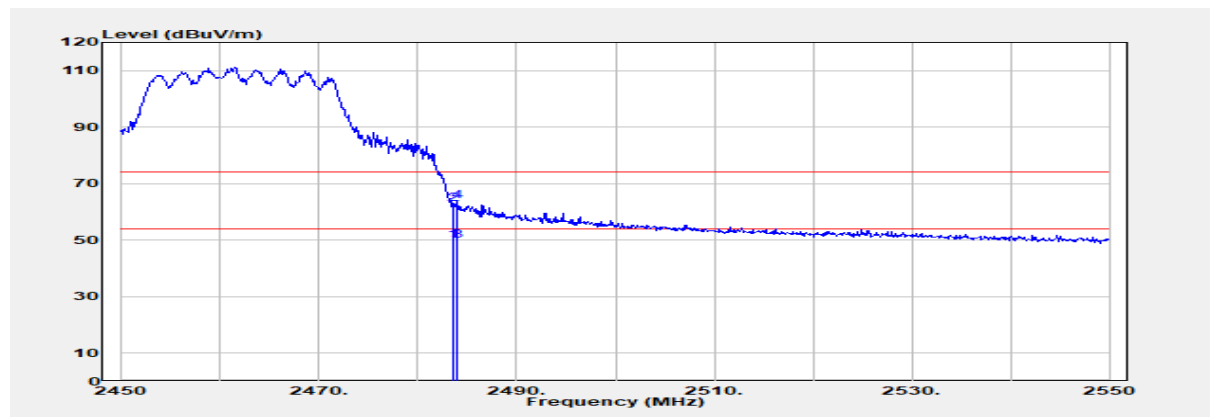
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	55.02	-5.14	49.88	54.00	-4.12
2483.500	Peak	67.94	-5.14	62.81	74.00	-11.19
2484.000	Average	54.86	-5.14	49.72	54.00	-4.28
2484.000	Peak	68.91	-5.14	63.77	74.00	-10.23

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2462 MHz

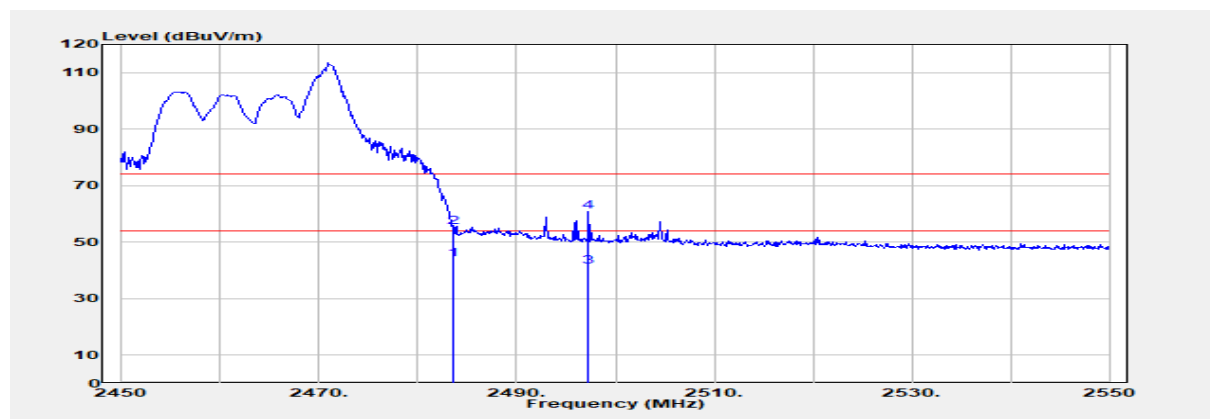
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU26/8

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	49.01	-5.14	43.88	54.00	-10.12
2483.500	Peak	60.27	-5.14	55.14	74.00	-18.86
2497.300	Average	46.51	-5.21	41.30	54.00	-12.70
2497.300	Peak	66.18	-5.21	60.96	74.00	-13.04

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2462 MHz

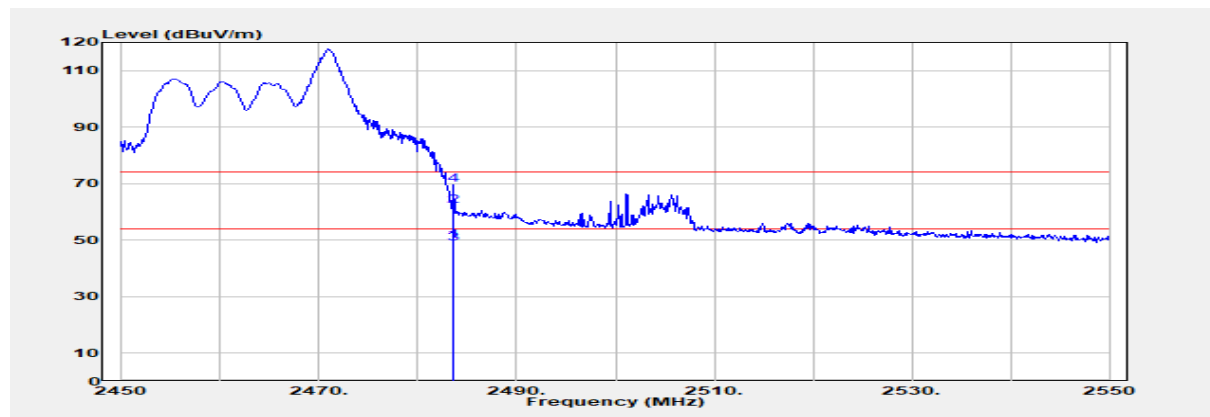
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU26/8

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	55.03	-5.14	49.90	54.00	-4.10
2483.500	Peak	67.27	-5.14	62.13	74.00	-11.87
2483.600	Average	53.81	-5.14	48.67	54.00	-5.33
2483.600	Peak	74.69	-5.14	69.55	74.00	-4.45

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2462 MHz

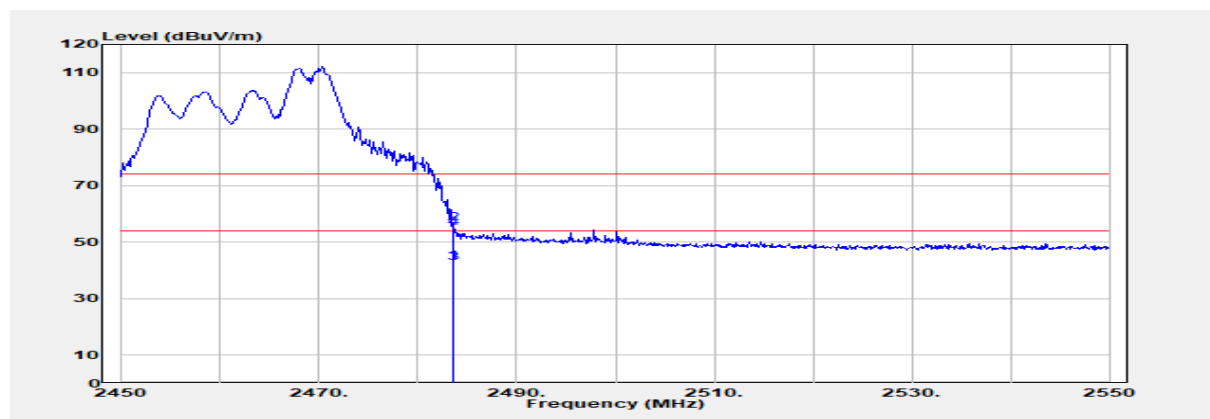
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU52/40

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	48.12	-5.14	42.98	54.00	-11.02
2483.500	Peak	61.82	-5.14	56.69	74.00	-17.31
2483.600	Average	47.73	-5.14	42.59	54.00	-11.41
2483.600	Peak	60.24	-5.14	55.10	74.00	-18.90

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-06

Test Frequency :2462 MHz

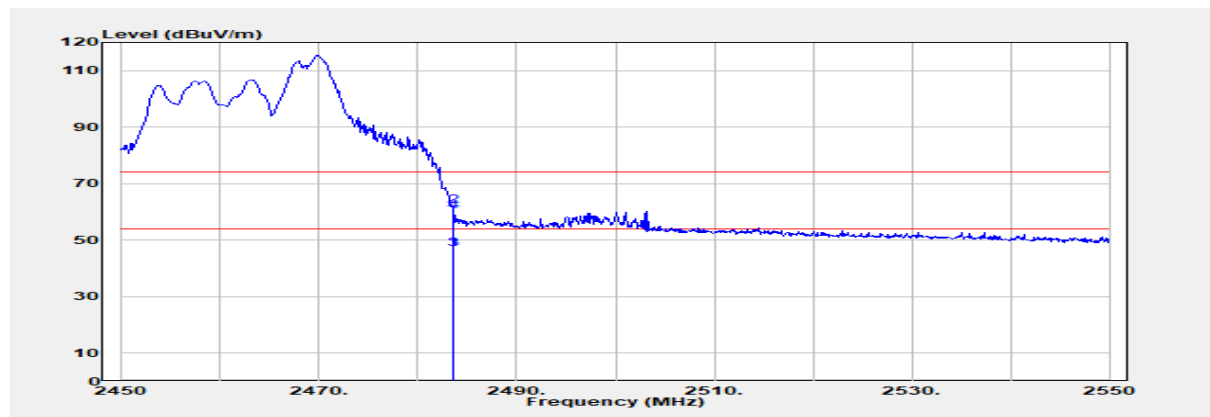
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge RU52/40

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



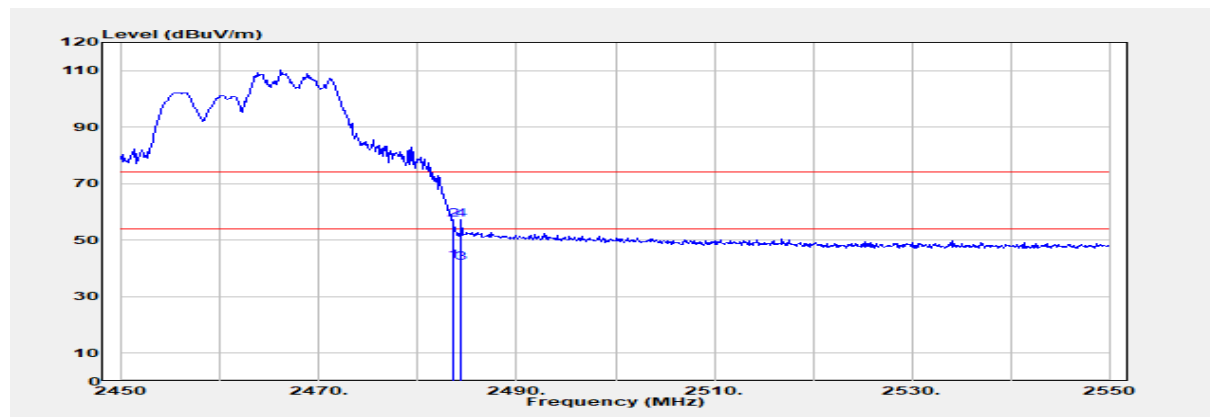
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	52.03	-5.14	46.90	54.00	-7.10
2483.500	Peak	67.11	-5.14	61.97	74.00	-12.03
2483.600	Average	52.06	-5.14	46.92	54.00	-7.08
2483.600	Peak	65.28	-5.14	60.14	74.00	-13.86

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Report Number :TERF2406001649E2
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Bandedge RU106/54
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Vertical
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	47.81	-5.14	42.67	54.00	-11.33
2483.500	Peak	62.38	-5.14	57.25	74.00	-16.75
2484.400	Average	47.02	-5.14	41.88	54.00	-12.12
2484.400	Peak	62.46	-5.14	57.32	74.00	-16.68

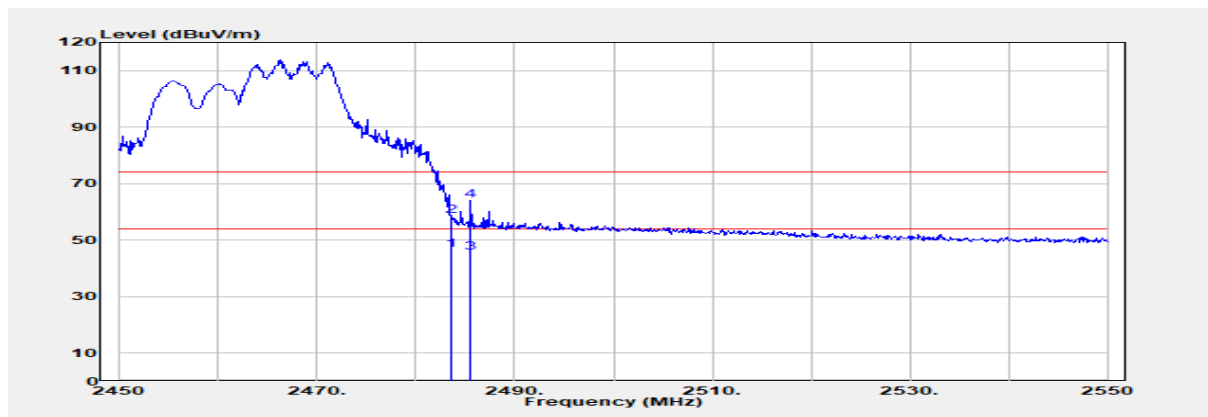
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Report Number :TERF2406001649E2
Operation Mode :802.11ax20
Test Frequency :2462 MHz
Test Mode :Bandedge RU106/54
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Horizontal
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	51.52	-5.14	46.39	54.00	-7.61
2483.500	Peak	63.73	-5.14	58.59	74.00	-15.41
2485.500	Average	50.76	-5.15	45.62	54.00	-8.38
2485.500	Peak	69.13	-5.15	63.98	74.00	-10.02

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-06

Test Frequency :2422 MHz

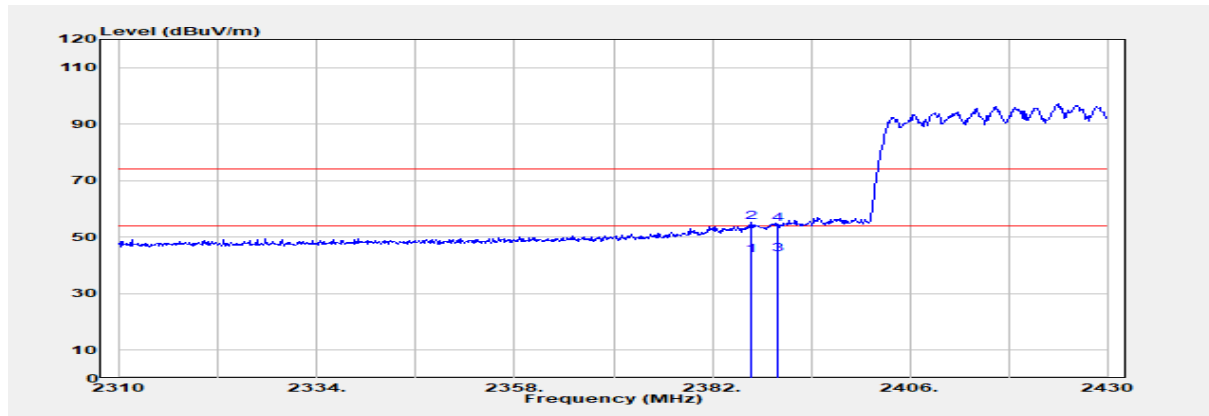
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2386.800	Average	47.93	-4.40	43.53	54.00	-10.47
2386.800	Peak	59.57	-4.40	55.16	74.00	-18.84
2390.000	Average	48.32	-4.38	43.93	54.00	-10.07
2390.000	Peak	58.91	-4.38	54.52	74.00	-19.48

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-06

Test Frequency :2422 MHz

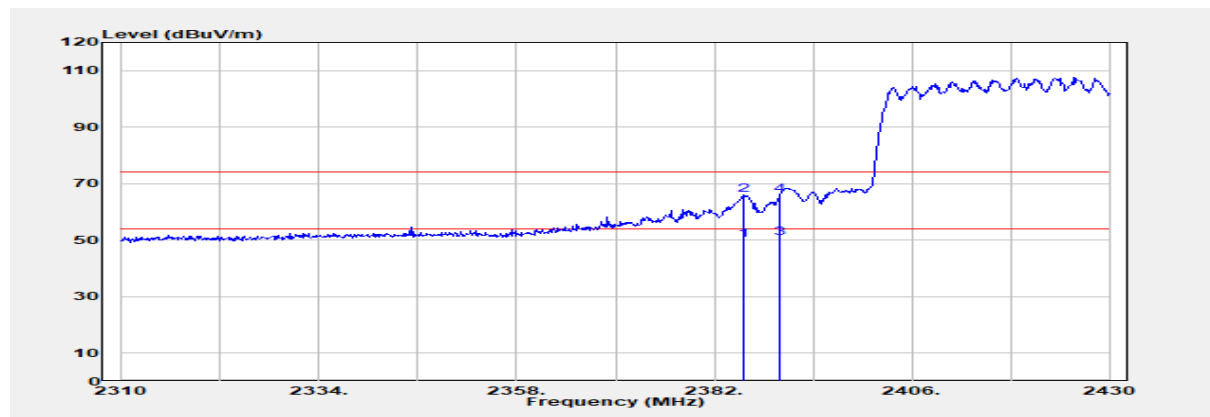
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



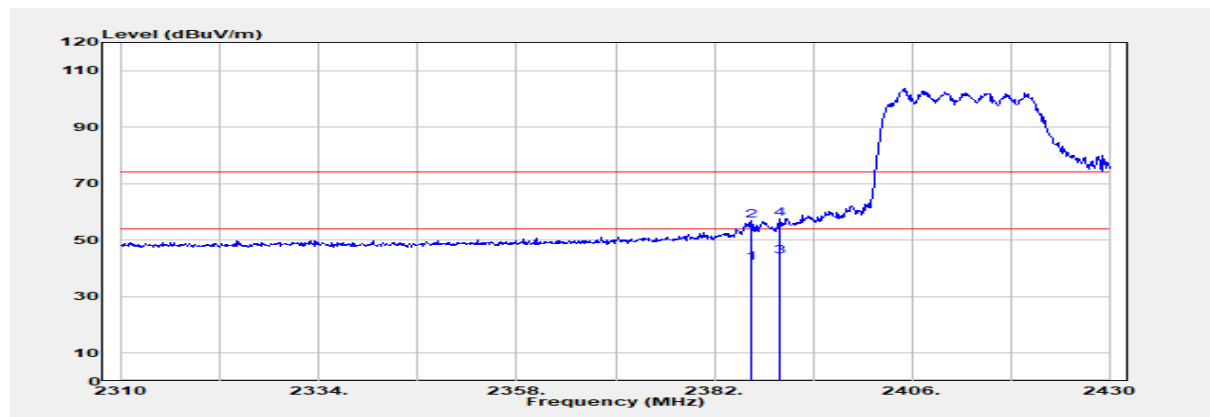
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2385.600	Average	54.65	-4.41	50.24	54.00	-3.76
2385.600	Peak	70.31	-4.41	65.90	74.00	-8.10
2390.000	Average	54.97	-4.38	50.59	54.00	-3.41
2390.000	Peak	70.27	-4.38	65.89	74.00	-8.11

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Report Number :TERF2406001649E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU242/61
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Vertical
Engineer :Sam Huang



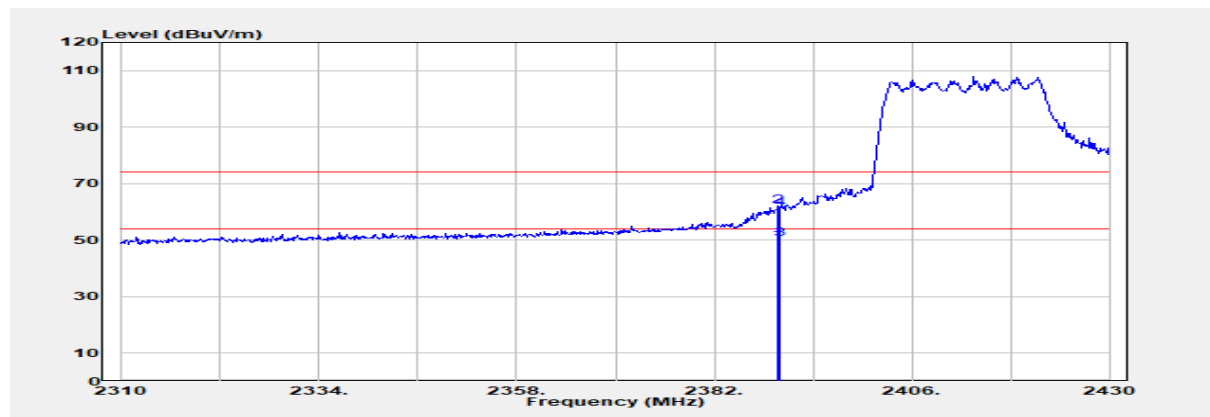
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2386.560	Average	46.37	-4.40	41.97	54.00	-12.03
2386.560	Peak	61.41	-4.40	57.01	74.00	-16.99
2390.000	Average	48.49	-4.38	44.11	54.00	-9.89
2390.000	Peak	62.01	-4.38	57.63	74.00	-16.37

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Report Number :TERF2406001649E2
Operation Mode :802.11ax40
Test Frequency :2422 MHz
Test Mode :Bandedge RU242/61
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Horizontal
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.800	Average	54.19	-4.38	49.81	54.00	-4.19
2389.800	Peak	66.53	-4.38	62.14	74.00	-11.86
2390.000	Average	54.81	-4.38	50.42	54.00	-3.58
2390.000	Peak	65.61	-4.38	61.23	74.00	-12.77

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-13

Test Frequency :2427 MHz

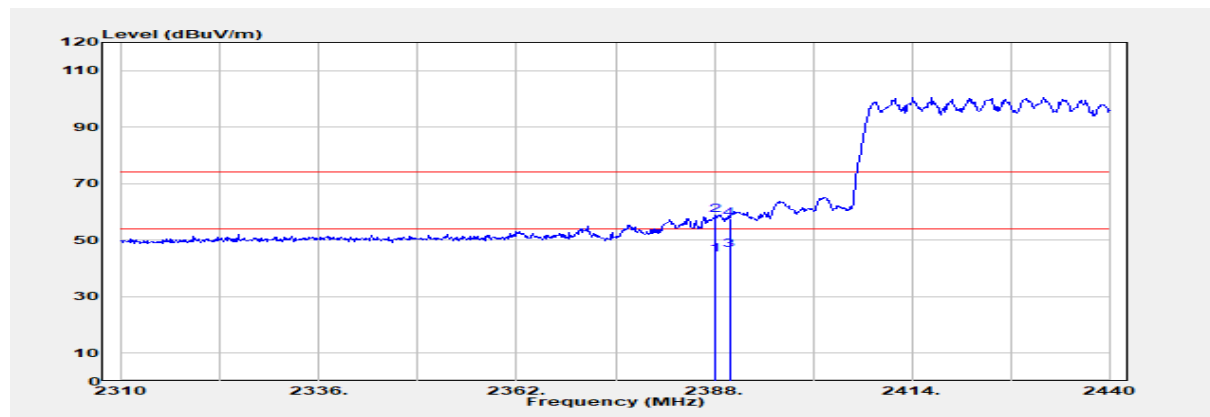
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.130	Average	49.17	-4.39	44.77	54.00	-9.23
2388.130	Peak	63.18	-4.39	58.78	74.00	-15.22
2390.000	Average	51.00	-4.38	46.61	54.00	-7.39
2390.000	Peak	61.93	-4.38	57.55	74.00	-16.45

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-13

Test Frequency :2427 MHz

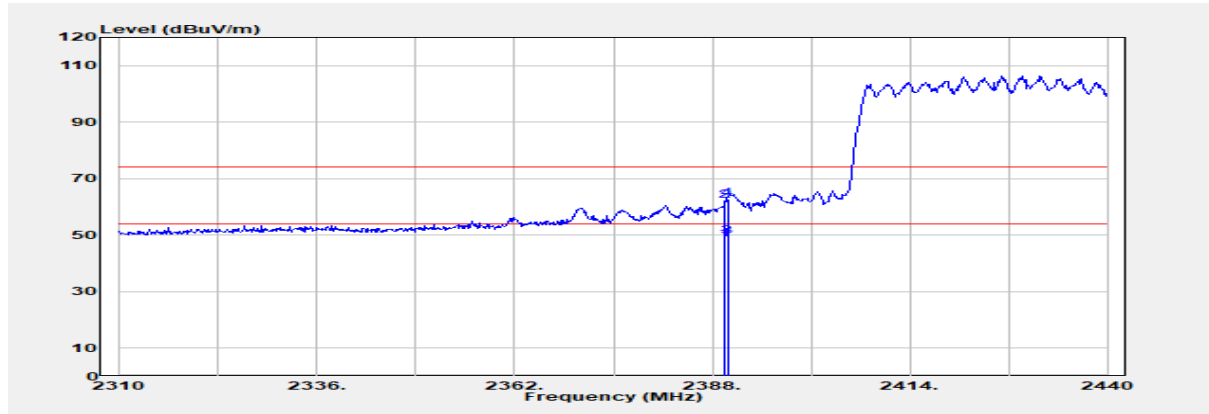
Temp./Humi. :21.8°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2389.690	Average	52.79	-4.39	48.40	54.00	-5.60
2389.690	Peak	66.46	-4.39	62.08	74.00	-11.92
2390.000	Average	53.82	-4.38	49.43	54.00	-4.57
2390.000	Peak	67.04	-4.38	62.66	74.00	-11.34

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-06

Test Frequency :2452 MHz

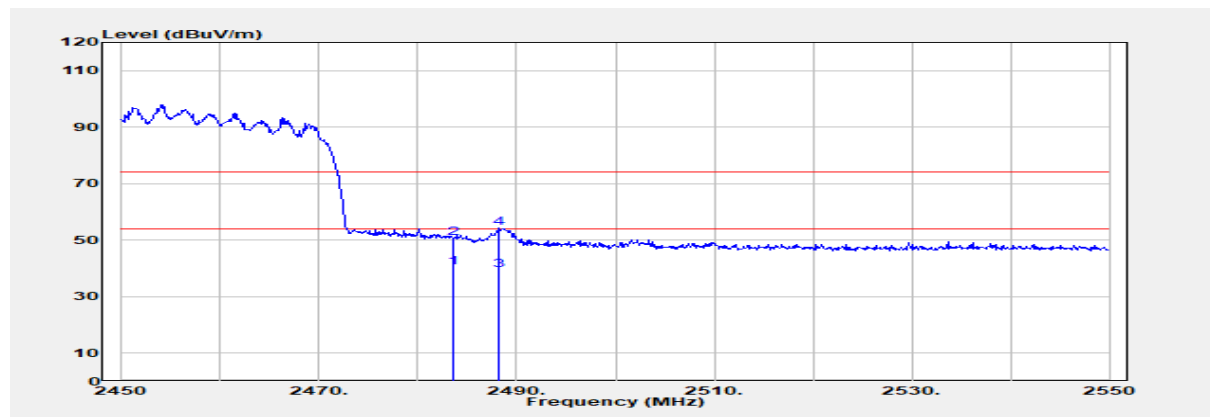
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	45.54	-5.14	40.40	54.00	-13.60
2483.500	Peak	55.95	-5.14	50.81	74.00	-23.19
2488.200	Average	44.58	-5.16	39.41	54.00	-14.59
2488.200	Peak	59.54	-5.16	54.38	74.00	-19.62

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-06

Test Frequency :2452 MHz

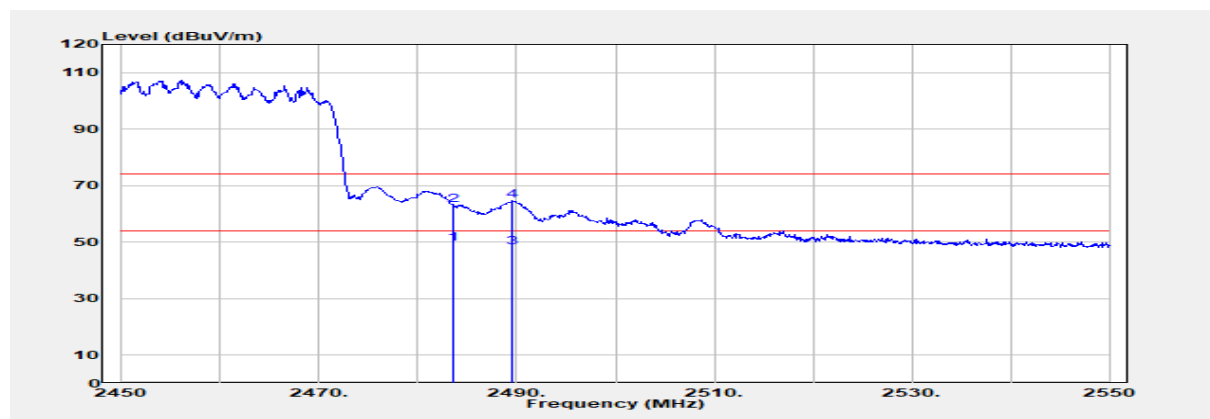
Temp./Humi. :21.4°C/53%

Test Mode :Bandedge

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



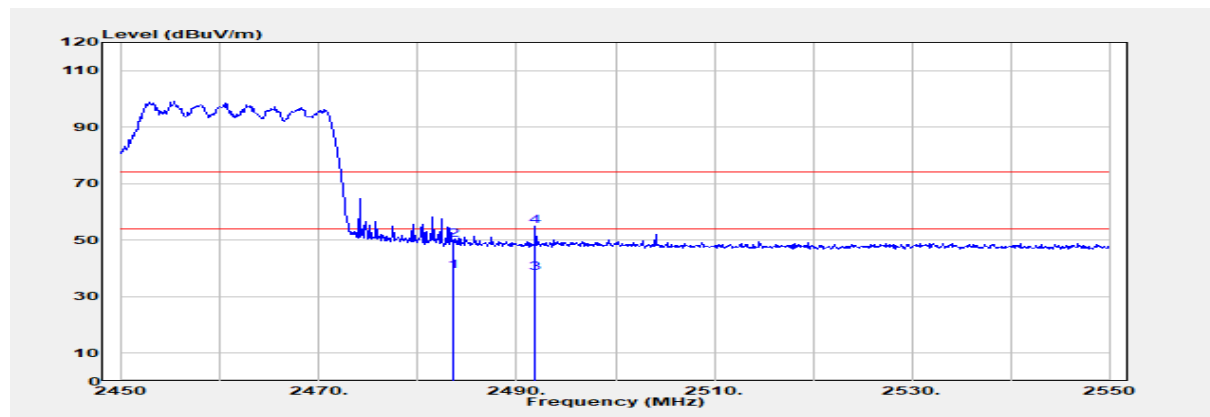
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	54.47	-5.14	49.33	54.00	-4.67
2483.500	Peak	68.38	-5.14	63.24	74.00	-10.76
2489.600	Average	53.20	-5.17	48.03	54.00	-5.97
2489.600	Peak	70.02	-5.17	64.85	74.00	-9.15

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Report Number :TERF2406001649E2
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Bandedge RU242/62
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Vertical
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.500	Average	44.31	-5.14	39.17	54.00	-14.83
2483.500	Peak	55.08	-5.14	49.94	74.00	-24.06
2491.900	Average	43.60	-5.18	38.42	54.00	-15.58
2491.900	Peak	60.03	-5.18	54.84	74.00	-19.16

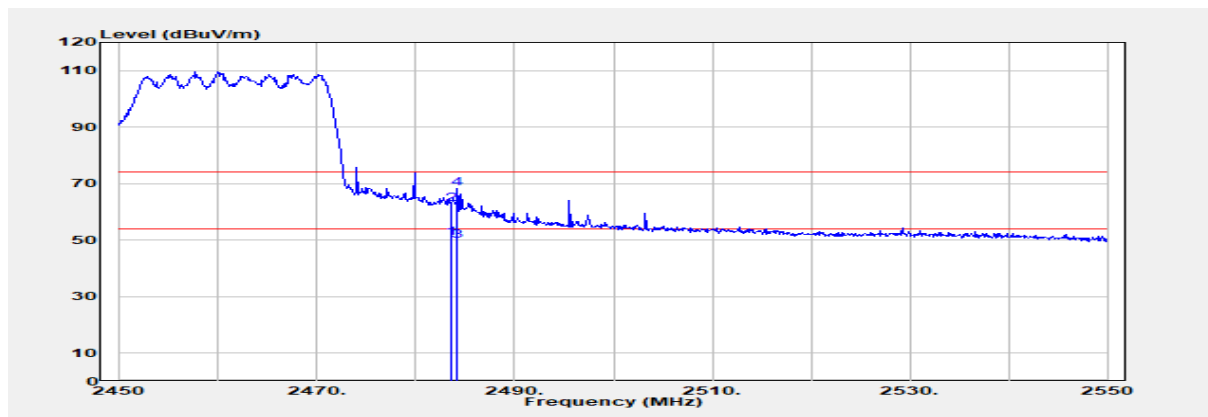
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Report Number :TERF2406001649E2
Operation Mode :802.11ax40
Test Frequency :2452 MHz
Test Mode :Bandedge RU242/62
EUT Pol :E2 Plane

Test Site :SAC D
Test Date :2024-07-06
Temp./Humi. :21.4°C/53%
Antenna Pol. :Horizontal
Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
2483.500	Average	55.77	-5.14	50.63	54.00	-3.37
2483.500	Peak	67.74	-5.14	62.60	74.00	-11.40
2484.200	Average	54.94	-5.14	49.80	54.00	-4.20
2484.200	Peak	73.37	-5.14	68.22	74.00	-5.78

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11.6.2 Spurious Emission:

Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-02

Test Frequency :2437 MHz

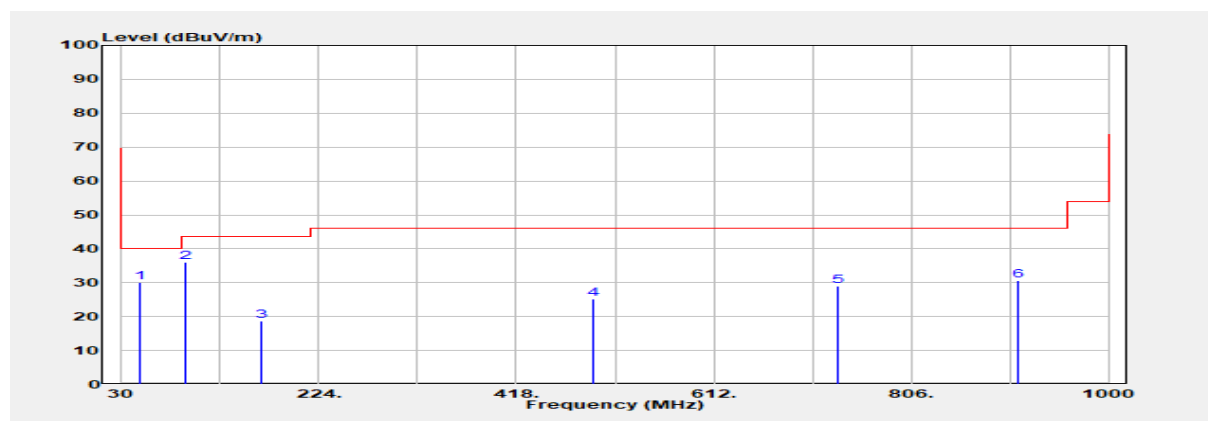
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
47.460	Peak	46.98	-16.83	30.15	40.00	-9.85
93.050	Peak	58.52	-22.61	35.91	43.50	-7.59
167.740	Peak	35.43	-16.69	18.74	43.50	-24.76
493.660	Peak	36.78	-11.60	25.17	46.00	-20.83
734.220	Peak	35.87	-6.74	29.13	46.00	-16.87
911.730	Peak	35.59	-4.84	30.75	46.00	-15.25

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-02

Test Frequency :2437 MHz

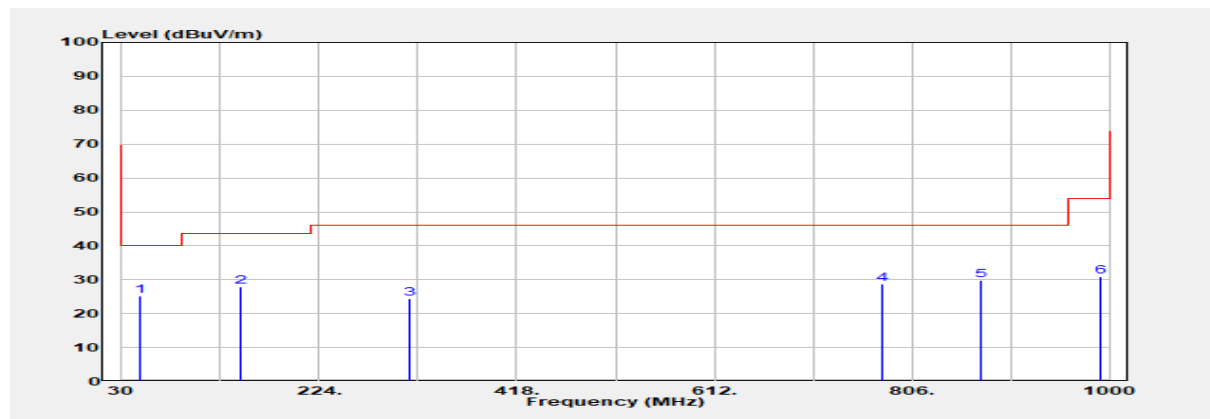
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
48.430	Peak	41.98	-16.78	25.19	40.00	-14.81
147.370	Peak	43.98	-16.03	27.95	43.50	-15.55
313.240	Peak	39.73	-15.33	24.40	46.00	-21.60
777.870	Peak	35.47	-6.67	28.80	46.00	-17.20
874.870	Peak	35.82	-6.01	29.81	46.00	-16.19
992.240	Peak	34.93	-4.04	30.89	54.00	-23.11

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Report Number :TERF2406001649E2

Operation Mode :802.11b

Test Frequency :2412 MHz

Test Mode :Tx

EUT Pol :E2 Plane

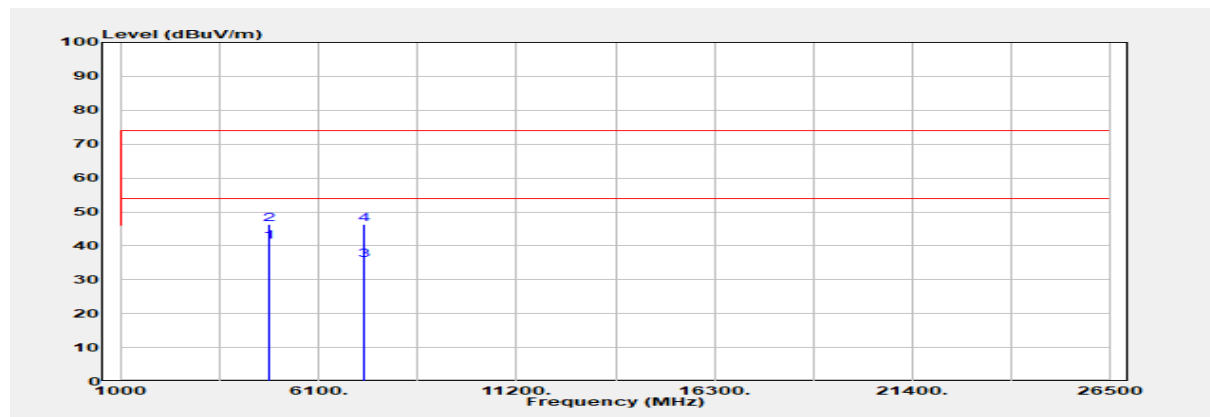
Test Site :SAC D

Test Date :2024-07-02

Temp./Humi. :22.3 °C/56%

Antenna Pol. :Vertical

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	39.89	1.20	41.09	54.00	-12.91
4824.000	Peak	45.10	1.20	46.30	74.00	-27.70
7236.000	Average	27.58	8.16	35.74	54.00	-18.26
7236.000	Peak	38.22	8.16	46.38	74.00	-27.62

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2412 MHz

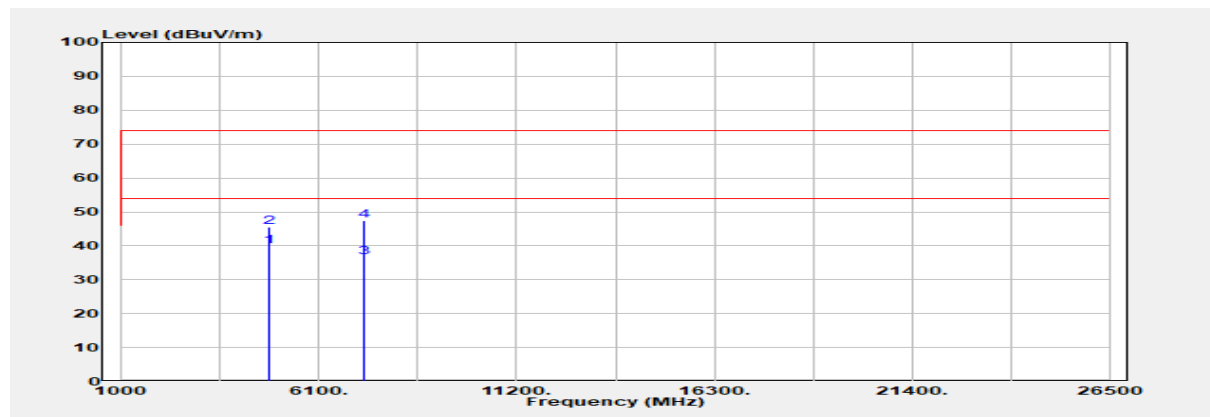
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	38.70	1.20	39.90	54.00	-14.10
4824.000	Peak	44.31	1.20	45.51	74.00	-28.49
7236.000	Average	28.46	8.16	36.63	54.00	-17.37
7236.000	Peak	39.13	8.16	47.30	74.00	-26.70

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2437 MHz

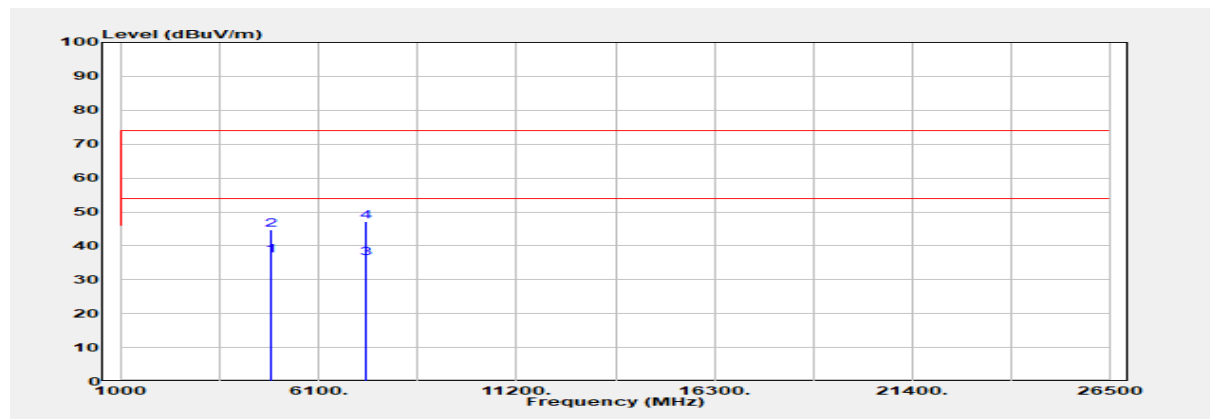
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	36.07	1.05	37.12	54.00	-16.88
4874.000	Peak	43.60	1.05	44.65	74.00	-29.35
7311.000	Average	27.57	8.81	36.38	54.00	-17.62
7311.000	Peak	38.25	8.81	47.06	74.00	-26.94

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2437 MHz

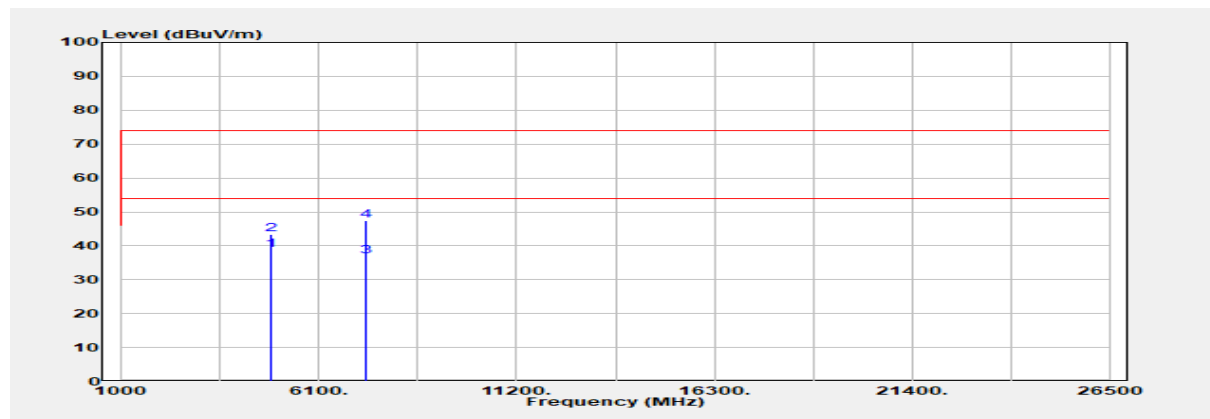
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	37.59	1.05	38.64	54.00	-15.36
4874.000	Peak	42.41	1.05	43.46	74.00	-30.54
7311.000	Average	28.02	8.81	36.83	54.00	-17.17
7311.000	Peak	38.74	8.81	47.54	74.00	-26.46

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2462 MHz

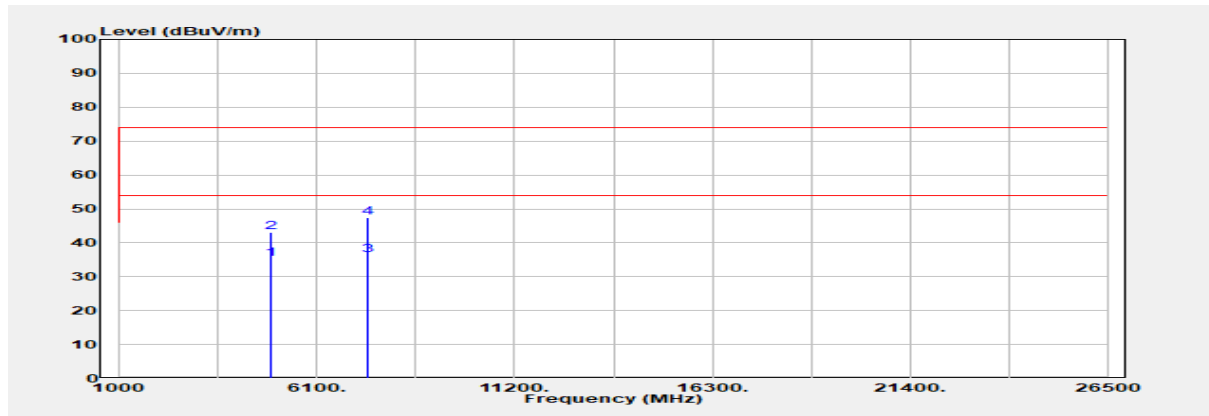
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	33.85	1.28	35.13	54.00	-18.87
4924.000	Peak	41.72	1.28	43.00	74.00	-31.00
7386.000	Average	27.50	8.86	36.36	54.00	-17.64
7386.000	Peak	38.54	8.86	47.39	74.00	-26.61

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11b

Test Date :2024-07-02

Test Frequency :2462 MHz

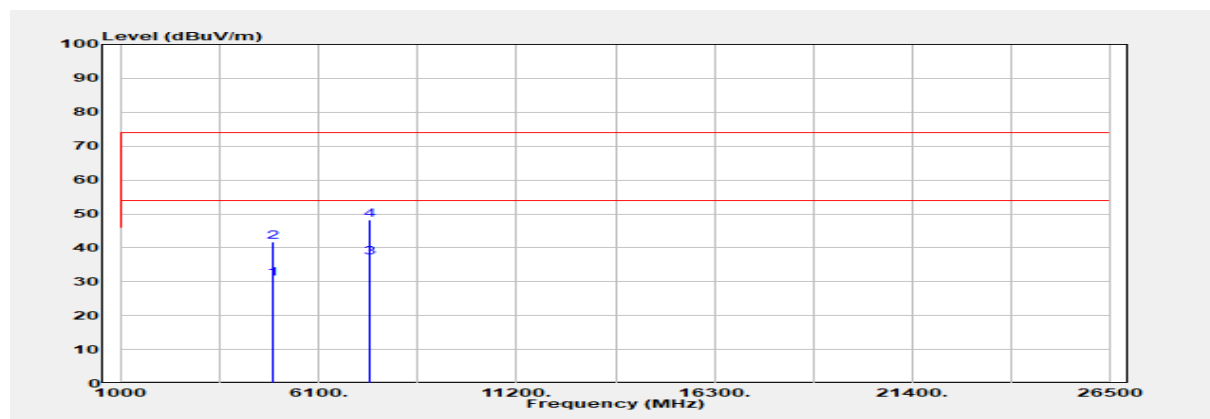
Temp./Humi. :22.3 °C/56%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	29.55	1.28	30.83	54.00	-23.17
4924.000	Peak	40.48	1.28	41.75	74.00	-32.25
7386.000	Average	28.21	8.86	37.06	54.00	-16.94
7386.000	Peak	39.32	8.86	48.18	74.00	-25.82

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-09

Test Frequency :2412 MHz

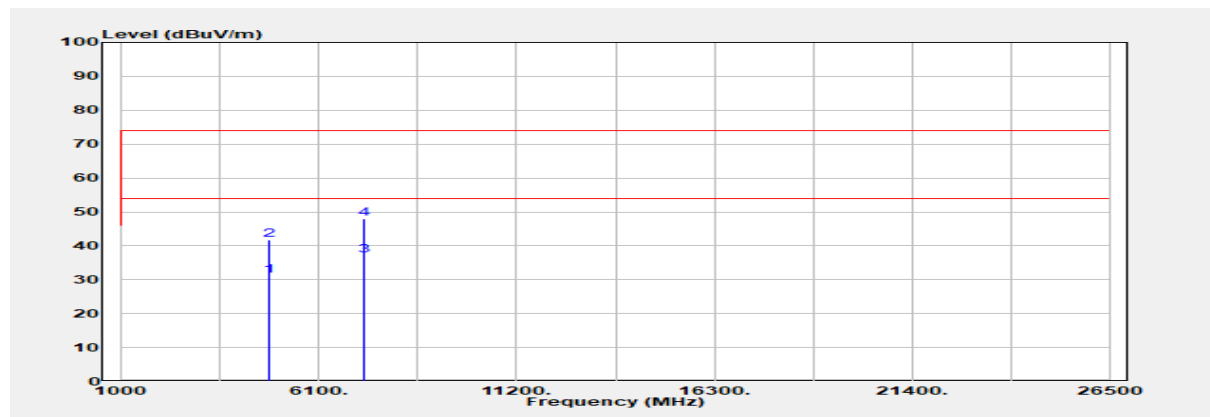
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	29.97	1.20	31.17	54.00	-22.83
4824.000	Peak	40.53	1.20	41.73	74.00	-32.27
7236.000	Average	28.88	8.16	37.05	54.00	-16.95
7236.000	Peak	39.73	8.16	47.90	74.00	-26.10

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-09

Test Frequency :2412 MHz

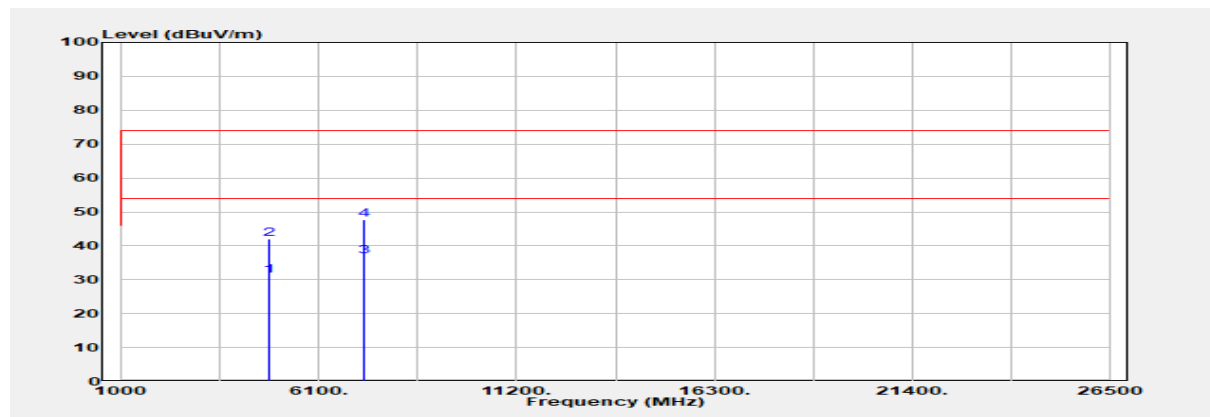
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	29.90	1.20	31.10	54.00	-22.90
4824.000	Peak	40.82	1.20	42.02	74.00	-31.98
7236.000	Average	28.67	8.16	36.83	54.00	-17.17
7236.000	Peak	39.54	8.16	47.71	74.00	-26.29

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-09

Test Frequency :2437 MHz

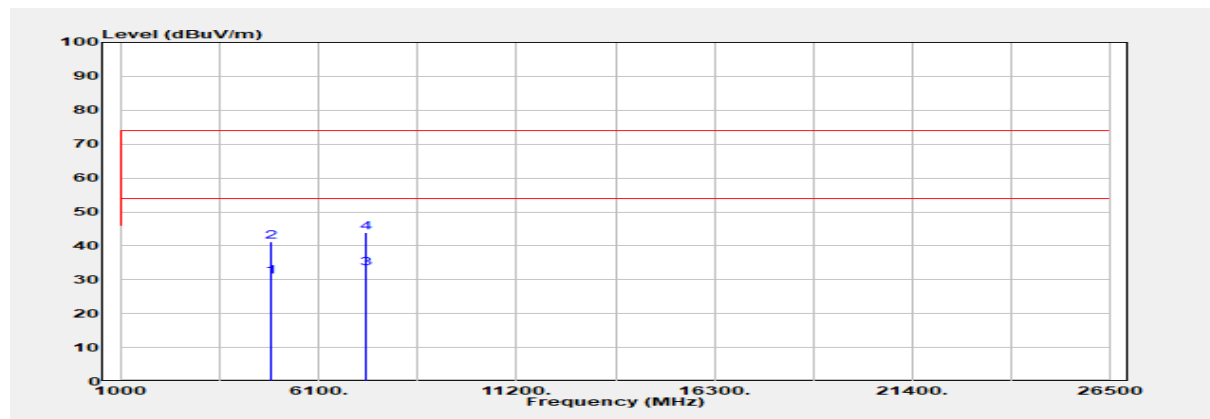
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4874.000	Average	29.91	1.05	30.96	54.00	-23.04
4874.000	Peak	40.17	1.05	41.23	74.00	-32.77
7311.000	Average	24.41	8.81	33.22	54.00	-20.78
7311.000	Peak	35.03	8.81	43.84	74.00	-30.16

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Report Number :TERF2406001649E2

Operation Mode :802.11g

Test Frequency :2437 MHz

Test Mode :Tx

EUT Pol :E2 Plane

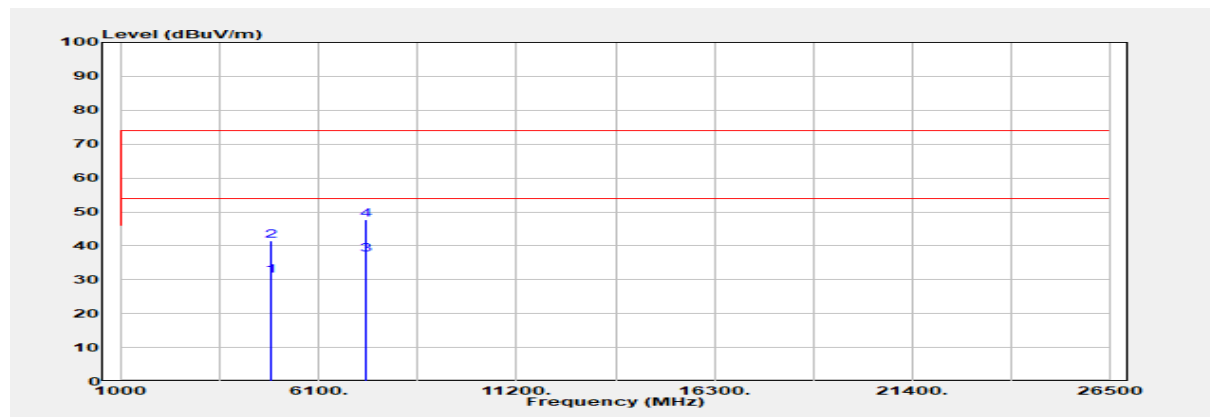
Test Site :SAC D

Test Date :2024-07-09

Temp./Humi. :22.4 °C/58%

Antenna Pol. :Horizontal

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	30.15	1.05	31.20	54.00	-22.80
4874.000	Peak	40.54	1.05	41.59	74.00	-32.41
7311.000	Average	28.57	8.81	37.38	54.00	-16.62
7311.000	Peak	38.90	8.81	47.71	74.00	-26.29

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-09

Test Frequency :2462 MHz

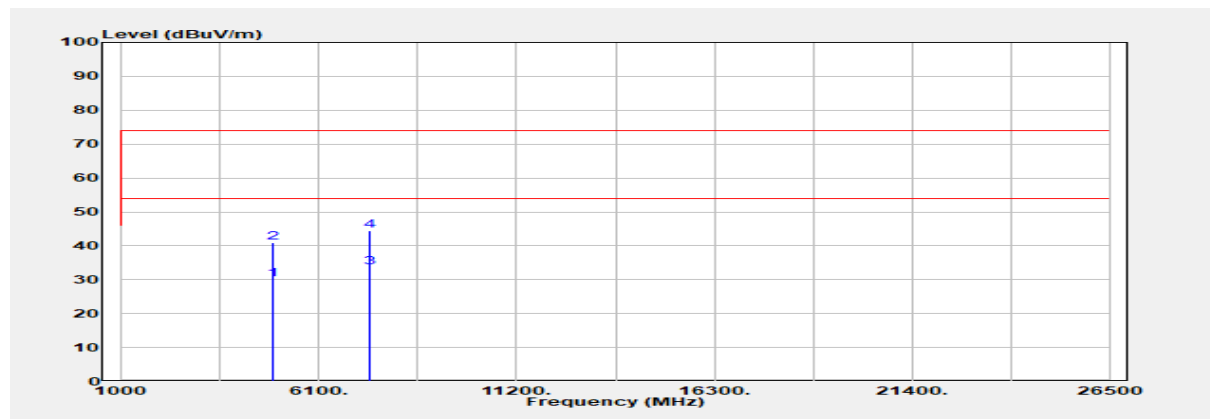
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	28.93	1.28	30.21	54.00	-23.79
4924.000	Peak	39.61	1.28	40.89	74.00	-33.11
7386.000	Average	24.78	8.86	33.63	54.00	-20.37
7386.000	Peak	35.68	8.86	44.54	74.00	-29.46

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11g

Test Date :2024-07-09

Test Frequency :2462 MHz

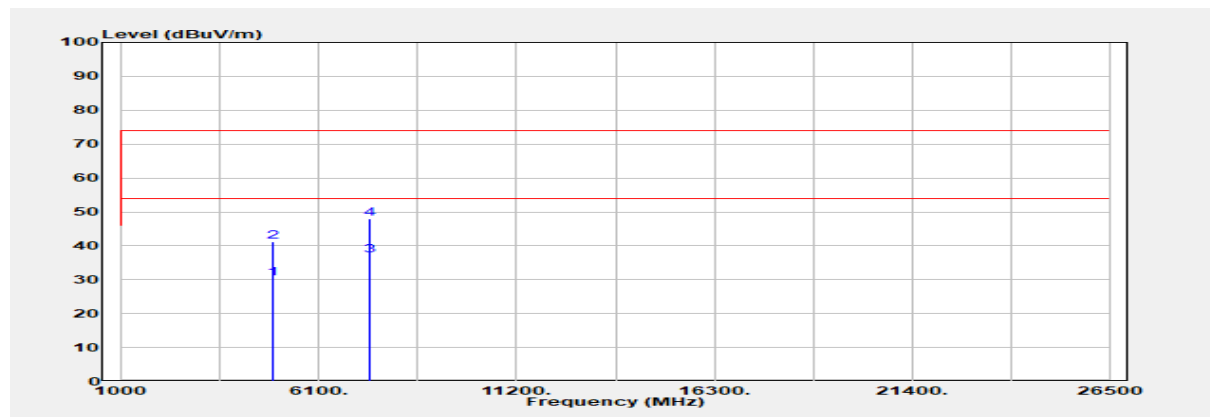
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	29.17	1.28	30.45	54.00	-23.55
4924.000	Peak	39.83	1.28	41.11	74.00	-32.89
7386.000	Average	28.39	8.86	37.25	54.00	-16.75
7386.000	Peak	38.98	8.86	47.84	74.00	-26.16

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-09

Test Frequency :2412 MHz

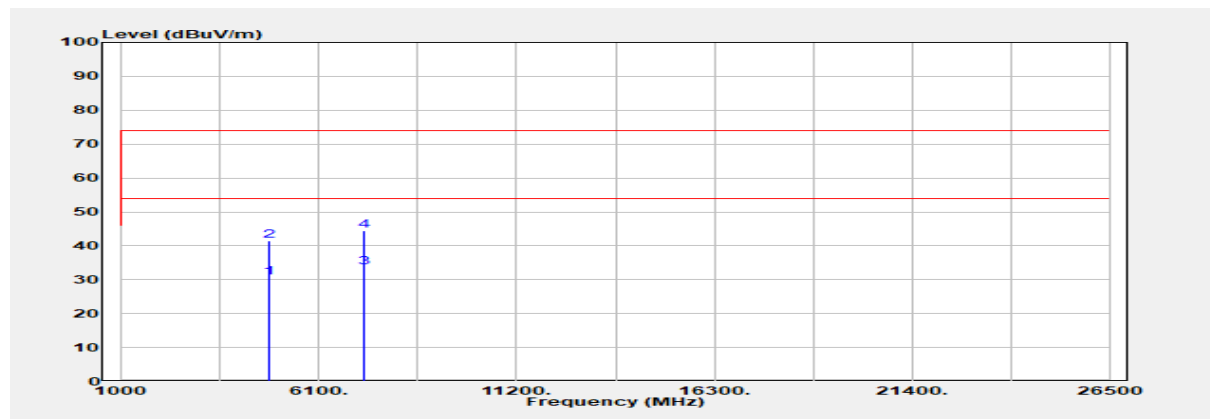
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	29.55	1.20	30.75	54.00	-23.25
4824.000	Peak	40.27	1.20	41.47	74.00	-32.53
7236.000	Average	25.39	8.16	33.56	54.00	-20.44
7236.000	Peak	36.39	8.16	44.55	74.00	-29.45

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-09

Test Frequency :2412 MHz

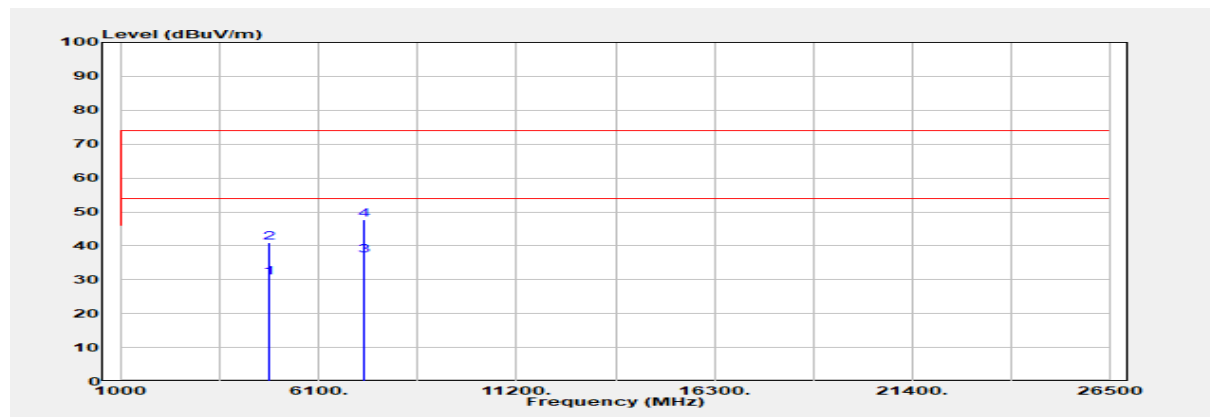
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.000	Average	29.48	1.20	30.68	54.00	-23.32
4824.000	Peak	39.86	1.20	41.06	74.00	-32.94
7236.000	Average	28.90	8.16	37.07	54.00	-16.93
7236.000	Peak	39.62	8.16	47.79	74.00	-26.21

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Report Number :TERF2406001649E2

Operation Mode :802.11n20

Test Frequency :2437 MHz

Test Mode :Tx

EUT Pol :E2 Plane

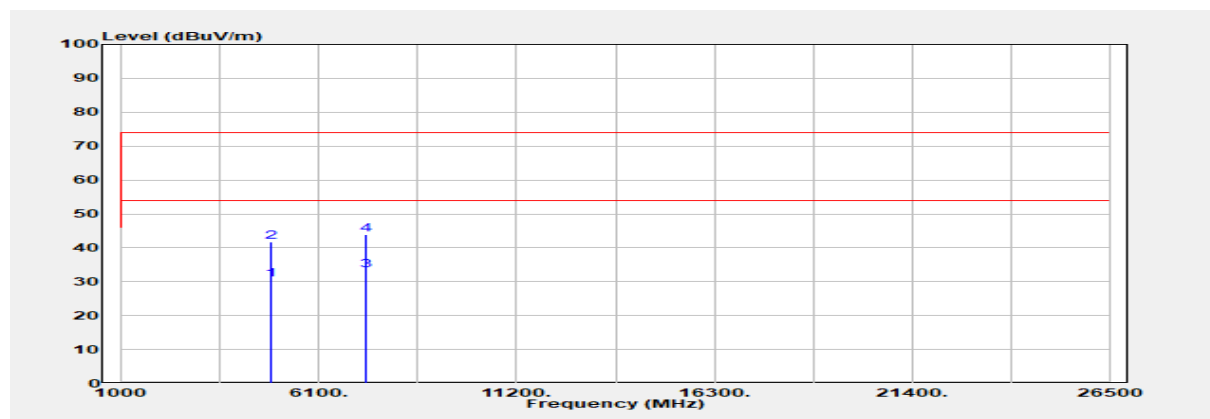
Test Site :SAC D

Test Date :2024-07-09

Temp./Humi. :22.4 °C/58%

Antenna Pol. :Vertical

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	29.68	1.05	30.73	54.00	-23.27
4874.000	Peak	40.55	1.05	41.60	74.00	-32.40
7311.000	Average	24.56	8.81	33.37	54.00	-20.63
7311.000	Peak	35.07	8.81	43.88	74.00	-30.12

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-09

Test Frequency :2437 MHz

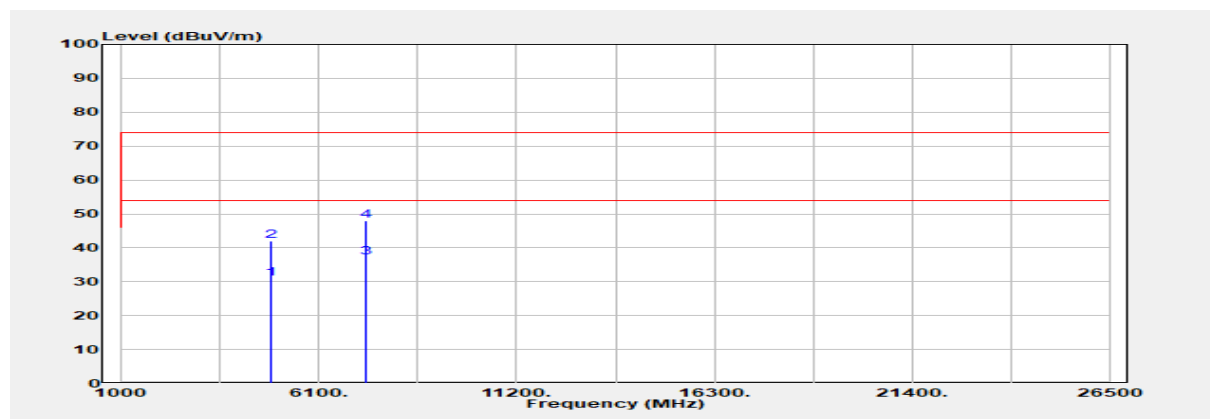
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	29.82	1.05	30.87	54.00	-23.13
4874.000	Peak	40.97	1.05	42.02	74.00	-31.98
7311.000	Average	28.43	8.81	37.23	54.00	-16.77
7311.000	Peak	39.21	8.81	48.02	74.00	-25.98

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-09

Test Frequency :2462 MHz

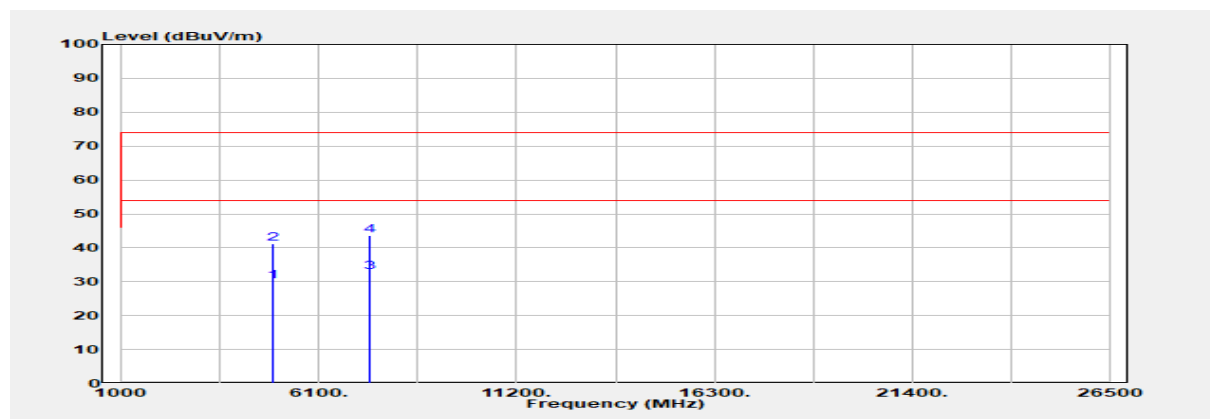
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.000	Average	28.85	1.28	30.13	54.00	-23.87
4924.000	Peak	39.80	1.28	41.07	74.00	-32.93
7386.000	Average	24.06	8.86	32.92	54.00	-21.08
7386.000	Peak	34.80	8.86	43.66	74.00	-30.34

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2024-07-09

Test Frequency :2462 MHz

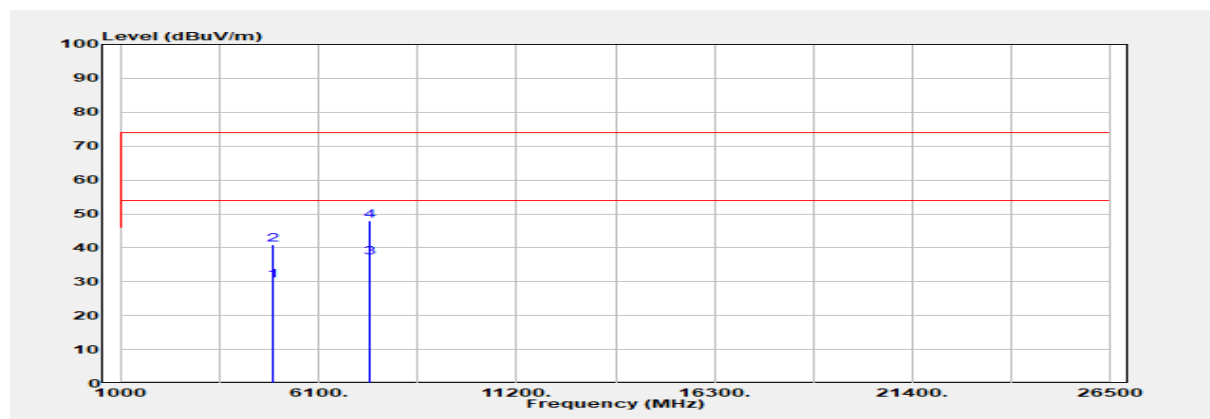
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.000	Average	28.99	1.28	30.27	54.00	-23.73
4924.000	Peak	39.71	1.28	40.99	74.00	-33.01
7386.000	Average	28.37	8.86	37.22	54.00	-16.78
7386.000	Peak	39.17	8.86	48.02	74.00	-25.98

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-09

Test Frequency :2422 MHz

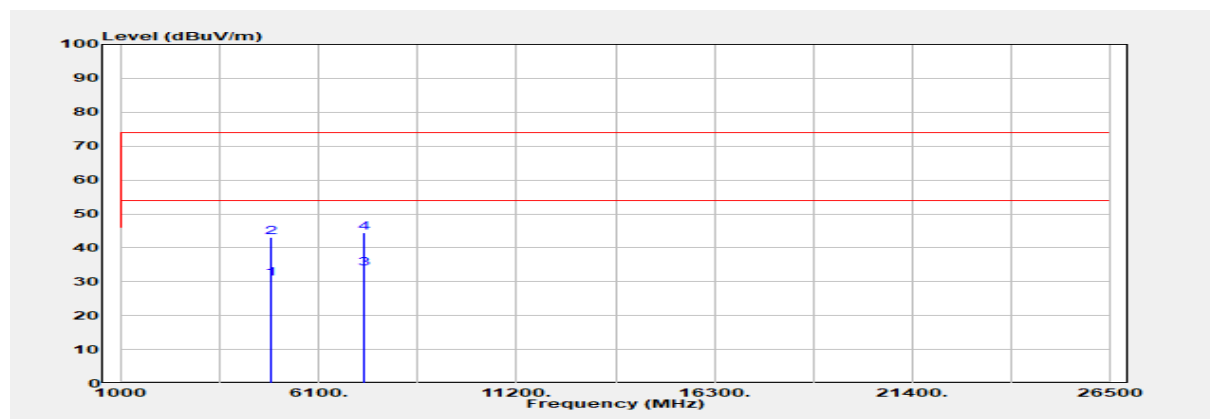
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	29.74	1.23	30.98	54.00	-23.02
4844.000	Peak	41.82	1.23	43.05	74.00	-30.95
7266.000	Average	25.32	8.50	33.82	54.00	-20.18
7266.000	Peak	36.07	8.50	44.57	74.00	-29.43

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-09

Test Frequency :2422 MHz

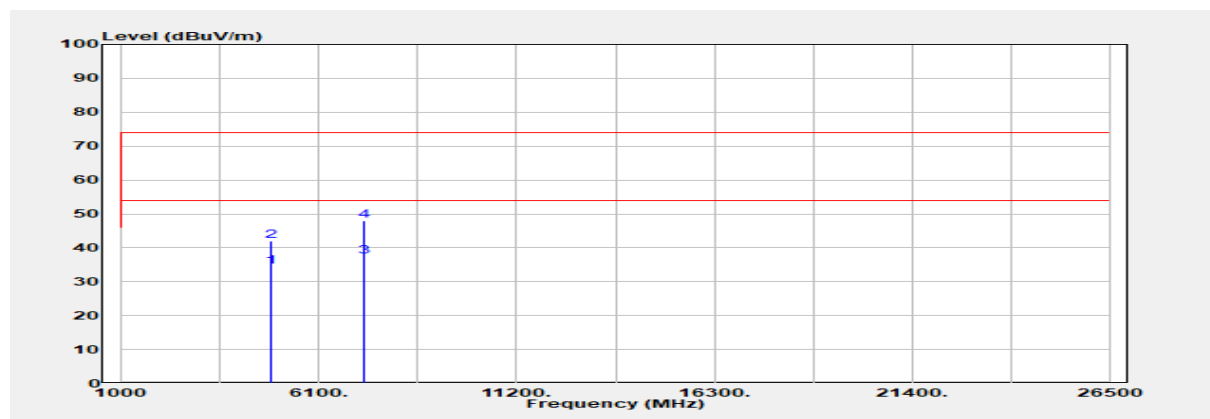
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.000	Average	33.19	1.23	34.42	54.00	-19.58
4844.000	Peak	40.69	1.23	41.92	74.00	-32.08
7266.000	Average	28.93	8.50	37.43	54.00	-16.57
7266.000	Peak	39.40	8.50	47.89	74.00	-26.11

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-09

Test Frequency :2437 MHz

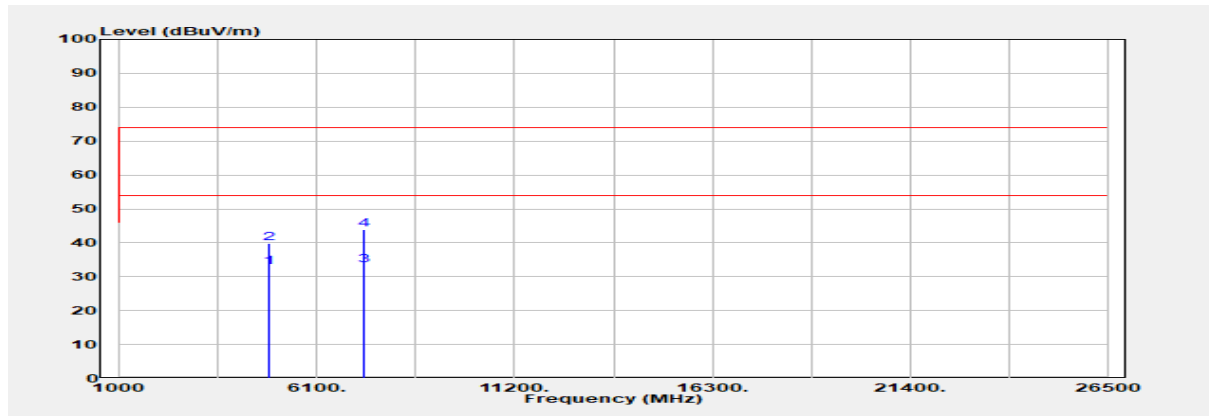
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	31.61	1.05	32.66	54.00	-21.34
4874.000	Peak	38.87	1.05	39.92	74.00	-34.08
7311.000	Average	24.46	8.81	33.27	54.00	-20.73
7311.000	Peak	35.10	8.81	43.91	74.00	-30.09

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-09

Test Frequency :2437 MHz

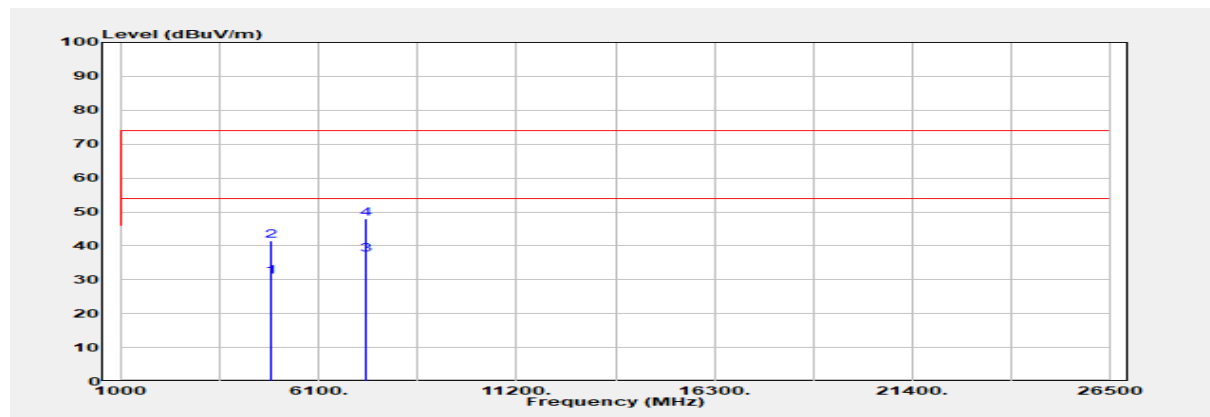
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	29.77	1.05	30.82	54.00	-23.18
4874.000	Peak	40.44	1.05	41.49	74.00	-32.51
7311.000	Average	28.60	8.81	37.40	54.00	-16.60
7311.000	Peak	39.24	8.81	48.05	74.00	-25.95

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-09

Test Frequency :2452 MHz

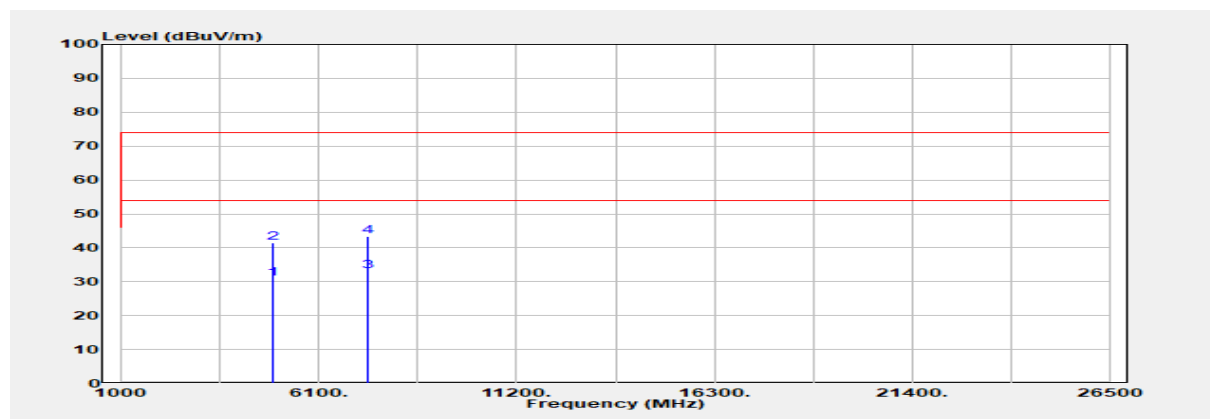
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	29.87	0.91	30.78	54.00	-23.22
4904.000	Peak	40.45	0.91	41.36	74.00	-32.64
7356.000	Average	24.32	8.63	32.96	54.00	-21.04
7356.000	Peak	34.82	8.63	43.46	74.00	-30.54

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2024-07-09

Test Frequency :2452 MHz

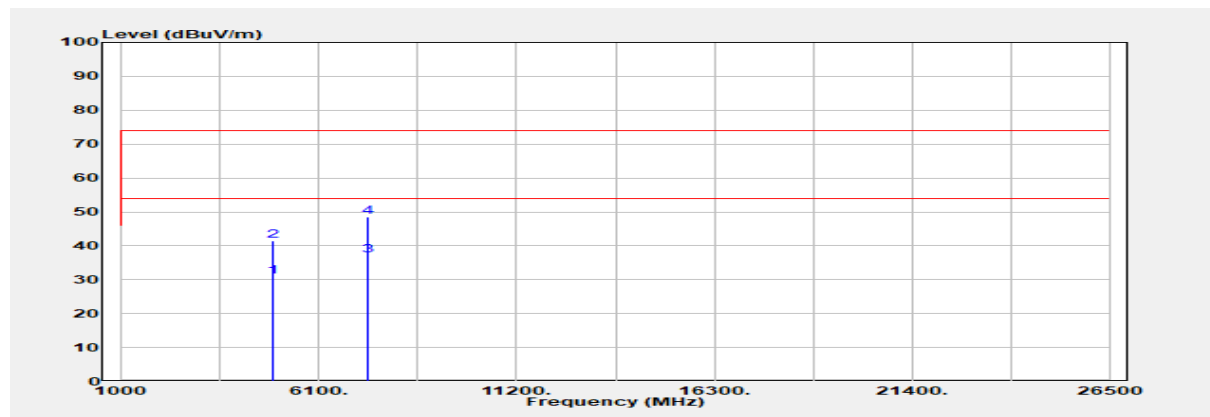
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4904.000	Average	29.95	0.91	30.86	54.00	-23.14
4904.000	Peak	40.58	0.91	41.50	74.00	-32.50
7356.000	Average	28.50	8.63	37.13	54.00	-16.87
7356.000	Peak	39.81	8.63	48.44	74.00	-25.56

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-09

Test Frequency :2412 MHz

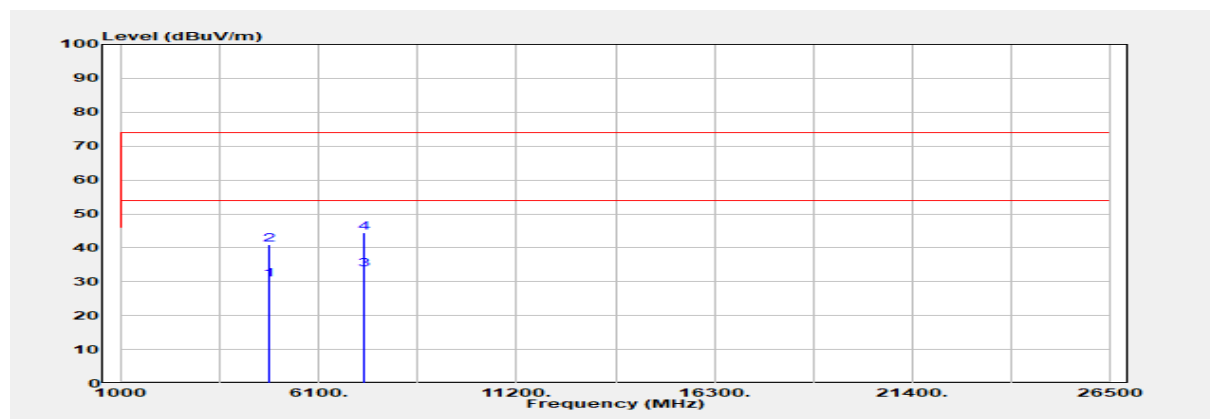
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.000	Average	29.53	1.20	30.73	54.00	-23.27
4824.000	Peak	39.76	1.20	40.96	74.00	-33.04
7236.000	Average	25.39	8.16	33.56	54.00	-20.44
7236.000	Peak	36.35	8.16	44.52	74.00	-29.48

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Report Number :TERF2406001649E2

Operation Mode :802.11ax20

Test Frequency :2412 MHz

Test Mode :Tx

EUT Pol :E2 Plane

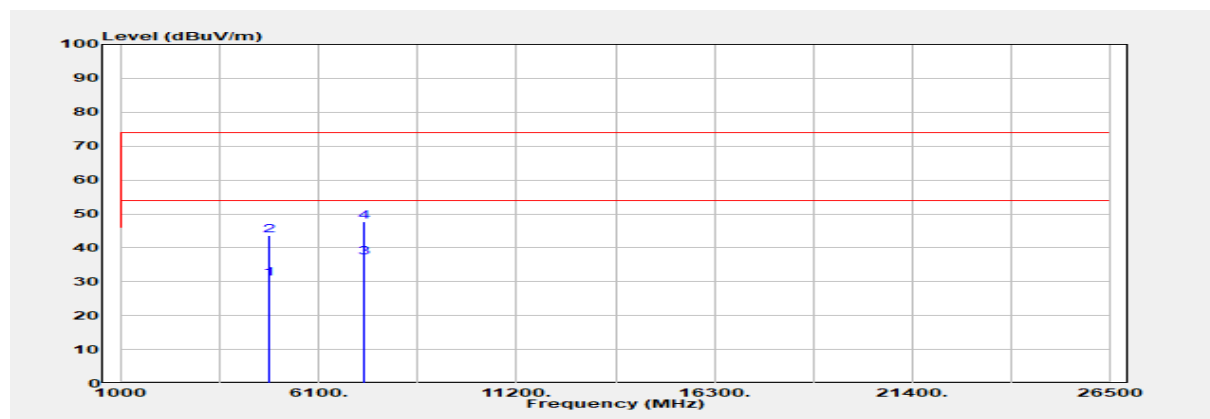
Test Site :SAC D

Test Date :2024-07-09

Temp./Humi. :22.4 °C/58%

Antenna Pol. :Horizontal

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4824.000	Average	29.59	1.20	30.79	54.00	-23.21
4824.000	Peak	42.54	1.20	43.74	74.00	-30.26
7236.000	Average	29.02	8.16	37.19	54.00	-16.81
7236.000	Peak	39.46	8.16	47.62	74.00	-26.38

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-09

Test Frequency :2437 MHz

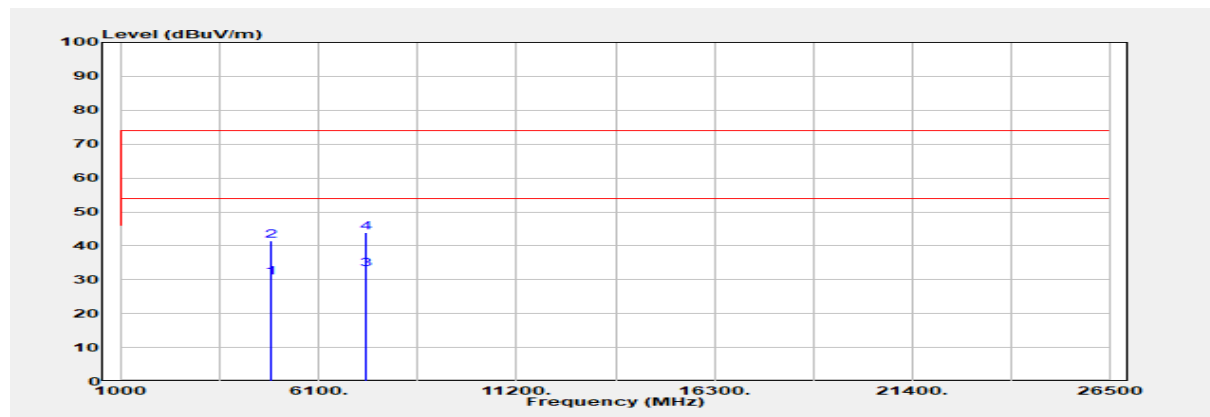
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	29.58	1.05	30.63	54.00	-23.37
4874.000	Peak	40.45	1.05	41.50	74.00	-32.50
7311.000	Average	24.27	8.81	33.08	54.00	-20.92
7311.000	Peak	35.13	8.81	43.94	74.00	-30.06

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-09

Test Frequency :2437 MHz

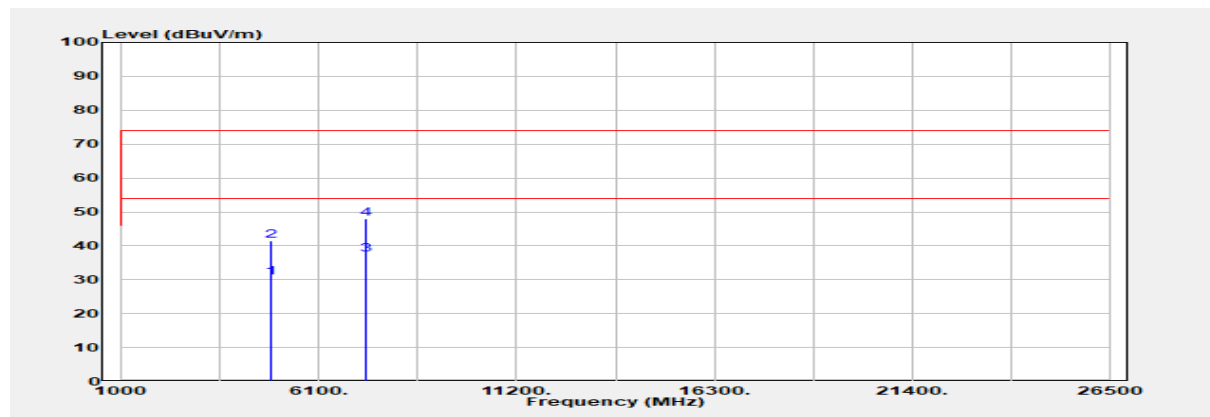
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	29.69	1.05	30.74	54.00	-23.26
4874.000	Peak	40.37	1.05	41.42	74.00	-32.58
7311.000	Average	28.52	8.81	37.33	54.00	-16.67
7311.000	Peak	39.15	8.81	47.96	74.00	-26.04

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-09

Test Frequency :2462 MHz

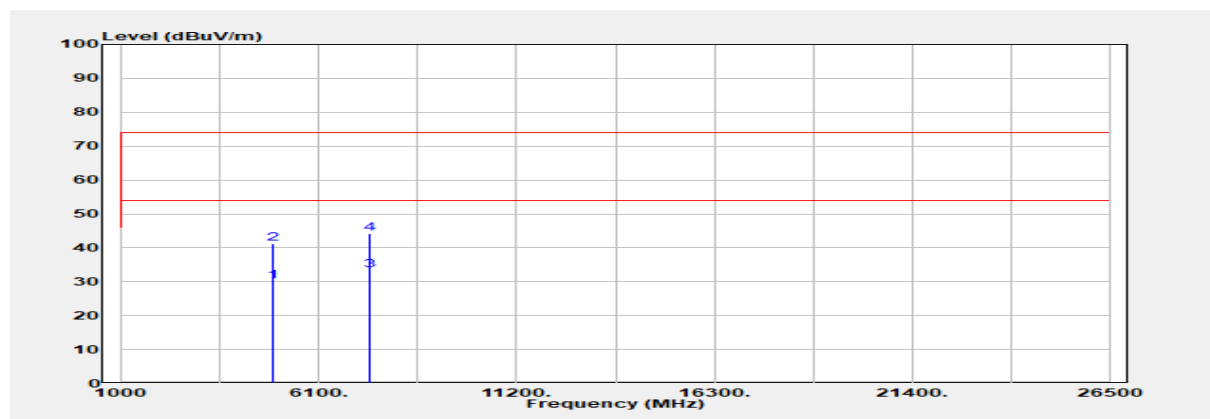
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.000	Average	28.90	1.28	30.18	54.00	-23.82
4924.000	Peak	39.78	1.28	41.06	74.00	-32.94
7386.000	Average	24.60	8.86	33.46	54.00	-20.54
7386.000	Peak	35.42	8.86	44.28	74.00	-29.72

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax20

Test Date :2024-07-09

Test Frequency :2462 MHz

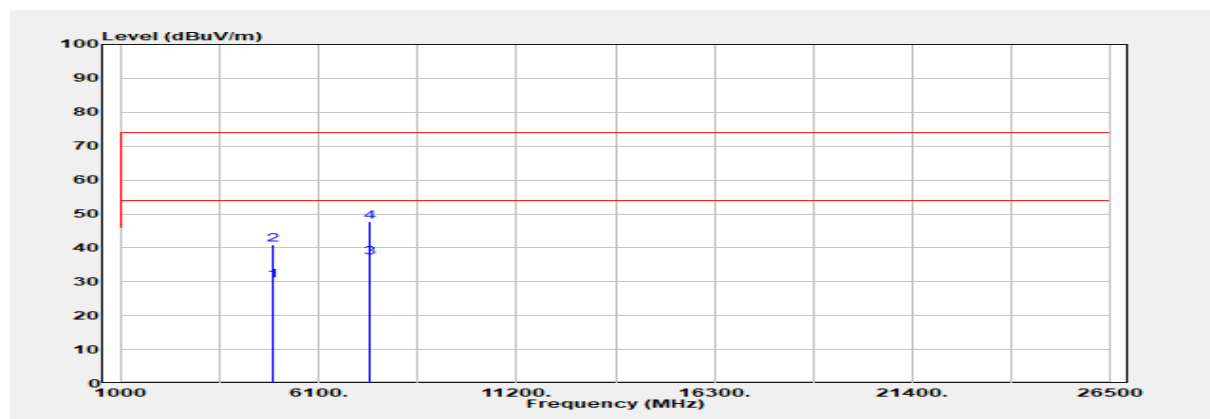
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4924.000	Average	29.07	1.28	30.35	54.00	-23.65
4924.000	Peak	39.71	1.28	40.99	74.00	-33.01
7386.000	Average	28.39	8.86	37.25	54.00	-16.75
7386.000	Peak	38.79	8.86	47.65	74.00	-26.35

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-09

Test Frequency :2422 MHz

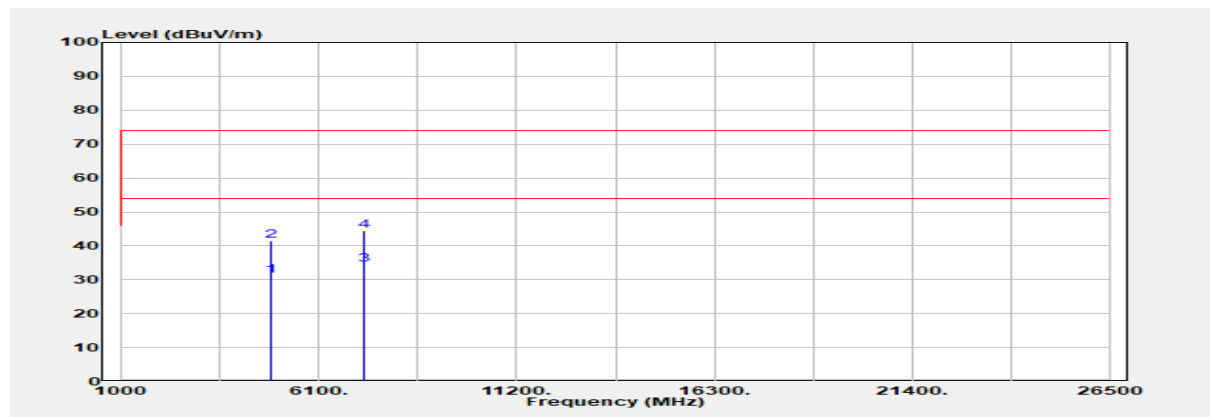
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4844.000	Average	29.89	1.23	31.12	54.00	-22.88
4844.000	Peak	40.34	1.23	41.58	74.00	-32.42
7266.000	Average	25.86	8.50	34.35	54.00	-19.65
7266.000	Peak	35.97	8.50	44.47	74.00	-29.53

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-09

Test Frequency :2422 MHz

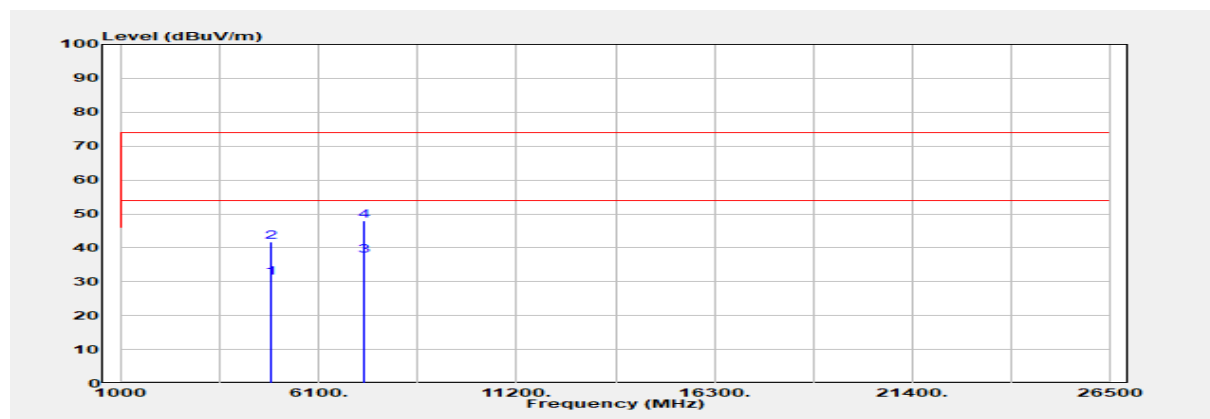
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4844.000	Average	30.00	1.23	31.24	54.00	-22.76
4844.000	Peak	40.47	1.23	41.70	74.00	-32.30
7266.000	Average	29.14	8.50	37.64	54.00	-16.36
7266.000	Peak	39.44	8.50	47.93	74.00	-26.07

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-09

Test Frequency :2437 MHz

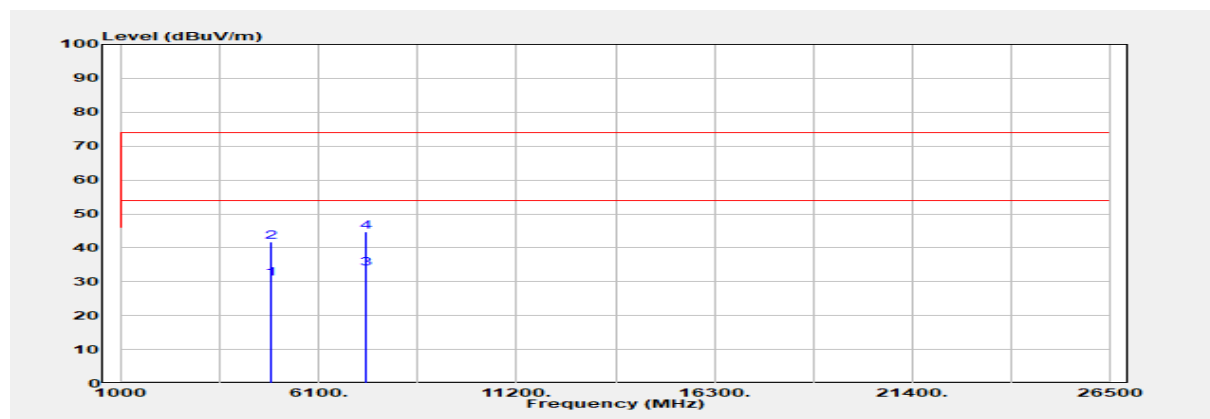
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	29.82	1.05	30.87	54.00	-23.13
4874.000	Peak	40.57	1.05	41.62	74.00	-32.38
7311.000	Average	25.13	8.81	33.94	54.00	-20.06
7311.000	Peak	35.85	8.81	44.66	74.00	-29.34

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Report Number :TERF2406001649E2

Operation Mode :802.11ax40

Test Frequency :2437 MHz

Test Mode :Tx

EUT Pol :E2 Plane

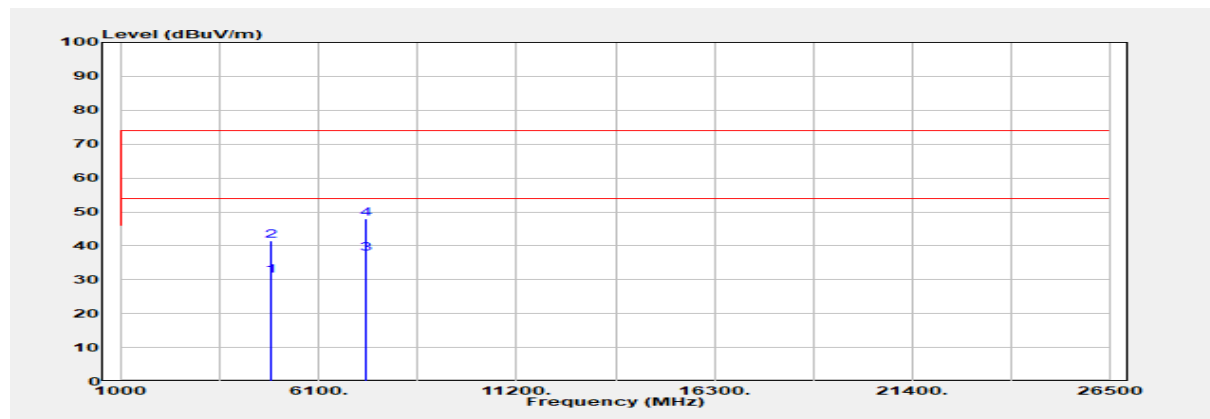
Test Site :SAC D

Test Date :2024-07-09

Temp./Humi. :22.4 °C/58%

Antenna Pol. :Horizontal

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.000	Average	30.07	1.05	31.12	54.00	-22.88
4874.000	Peak	40.43	1.05	41.48	74.00	-32.52
7311.000	Average	28.75	8.81	37.56	54.00	-16.44
7311.000	Peak	39.24	8.81	48.04	74.00	-25.96

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Report Number :TERF2406001649E2

Operation Mode :802.11ax40

Test Frequency :2452 MHz

Test Mode :Tx

EUT Pol :E2 Plane

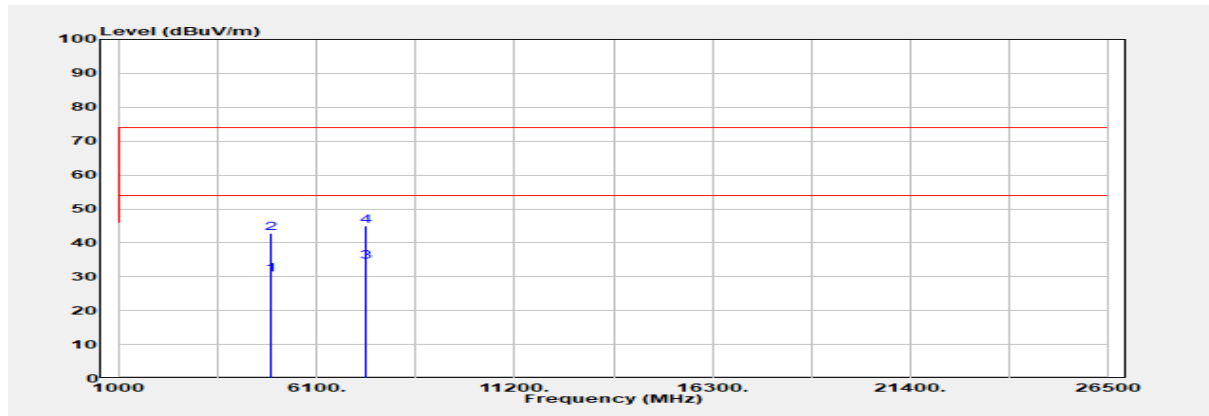
Test Site :SAC D

Test Date :2024-07-09

Temp./Humi. :22.4 °C/58%

Antenna Pol. :Vertical

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4904.000	Average	29.84	0.91	30.75	54.00	-23.25
4904.000	Peak	41.93	0.91	42.84	74.00	-31.16
7356.000	Average	25.84	8.63	34.47	54.00	-19.53
7356.000	Peak	36.42	8.63	45.06	74.00	-28.94

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Report Number :TERF2406001649E2

Test Site :SAC D

Operation Mode :802.11ax40

Test Date :2024-07-09

Test Frequency :2452 MHz

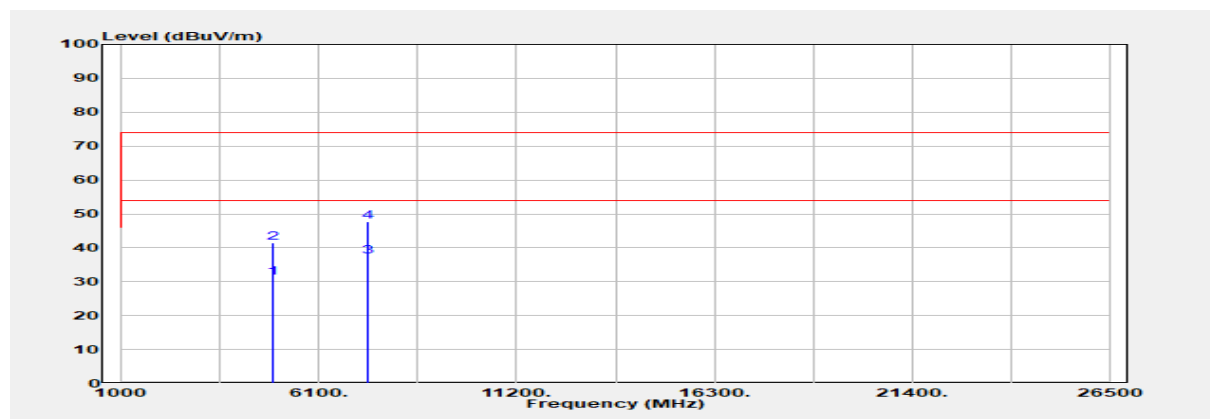
Temp./Humi. :22.4 °C/58%

Test Mode :Tx

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Sam Huang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.000	Average	30.14	0.91	31.05	54.00	-22.95
4904.000	Peak	40.63	0.91	41.54	74.00	-32.46
7356.000	Average	28.85	8.63	37.48	54.00	-16.52
7356.000	Peak	39.08	8.63	47.72	74.00	-26.28

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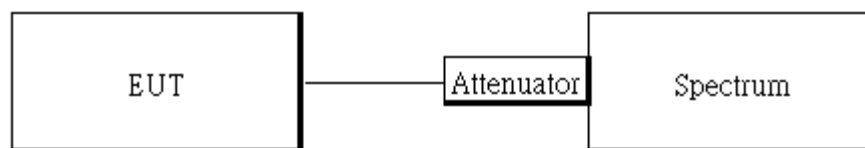
12 POWER SPECTRAL DENSITY

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.

12.2 Test Setup



12.3 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.

Note:

1. When the antenna gain is greater than 6 dBi, the power spectral density limit attenuated accordingly.
2. *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.*

12.4 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,

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directional gain may be calculated by either of the following formulas.

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

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

$g_{j,k} = 1/20 \cdot 10G_k$ 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.

12.5 Power spectral density

POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-6.25	5.69	5.96	8.00	PASS
2437	4.41	4.92	7.69	8.00	PASS
2462	4.26	3.16	6.76	8.00	PASS

POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-10.66	-9.45	-7.00	8.00	PASS
2437	-11.58	-10.86	-8.19	8.00	PASS
2462	-9.61	-9.15	-6.36	8.00	PASS

POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-11.95	-11.43	-8.67	8.00	PASS
2437	-11.22	-11.2	-8.20	8.00	PASS
2462	-14.5	-13.66	-11.05	8.00	PASS

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POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-15.52	-14.03	-11.70	8.00	PASS
2437	-13.88	-14.32	-11.08	8.00	PASS
2452	-13.4	-11.78	-9.51	8.00	PASS

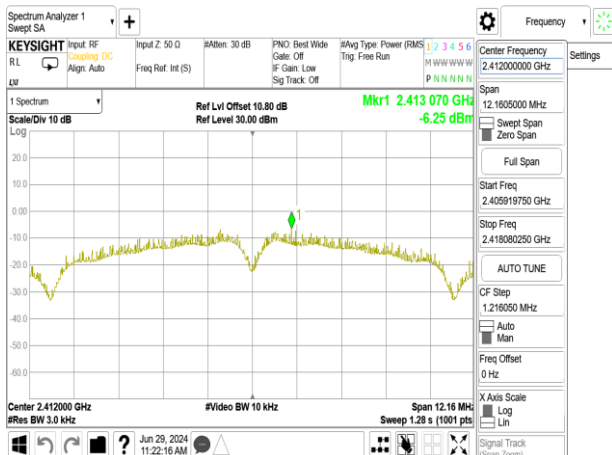
POWER DENSITY 802.11ax HE20						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-13.03	-11.63	-9.26	8.00	PASS
	26/0	-3.83	-3.97	-0.89	8.00	PASS
	52/37	-7.82	-5.92	-3.76	8.00	PASS
	106/53	-9.74	-7.41	-5.41	8.00	PASS
2437	full	-13.06	-12.64	-9.83	8.00	PASS
2462	full	-13.04	-11.42	-9.15	8.00	PASS
	26/8	-6.15	-3.70	-1.74	8.00	PASS
	52/40	-8.11	-7.29	-4.67	8.00	PASS
	106/54	-10.56	-9.84	-7.18	8.00	PASS

POWER DENSITY 802.11ax HE40						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-16.29	-16.56	-13.41	8.00	PASS
	242/61	-15.28	-13.66	-11.39	8.00	PASS
2437	full	-17.33	-17.46	-14.38	8.00	PASS
2452	full	-16.27	-16.72	-13.48	8.00	PASS
	242/62	-12.96	-12.84	-9.89	8.00	PASS

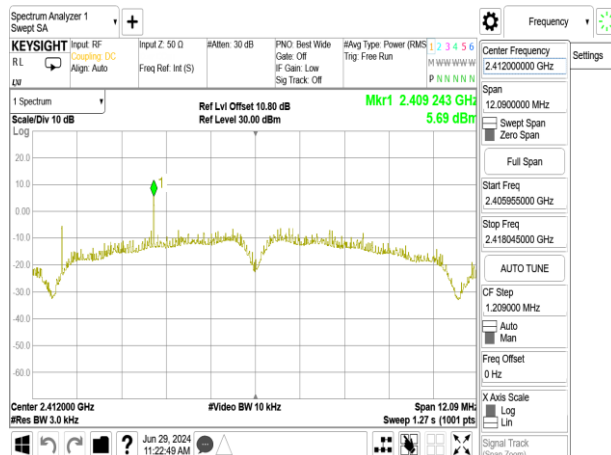
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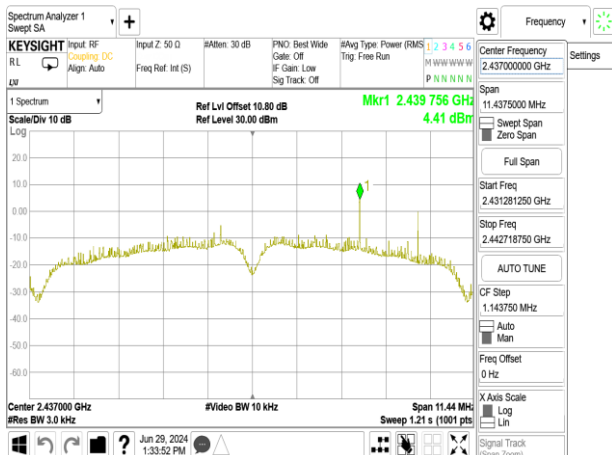
802.11b_20MHz_Chain0_2412MHz



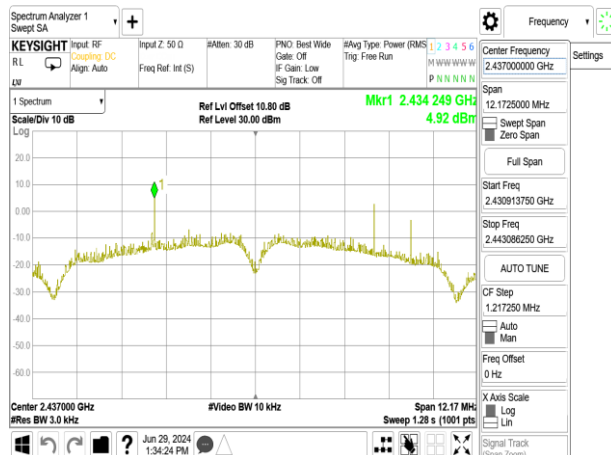
802.11b_20MHz_Chain1_2412MHz



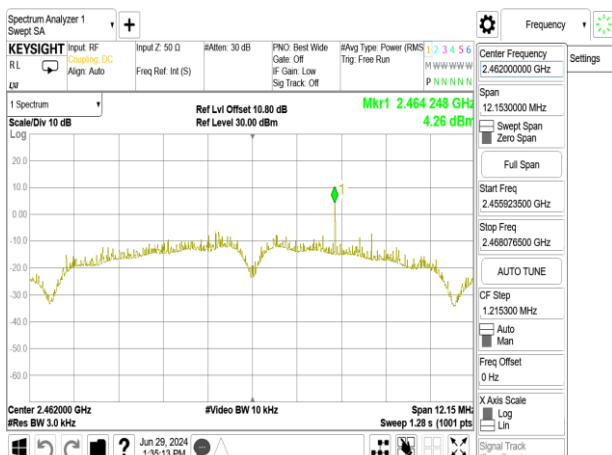
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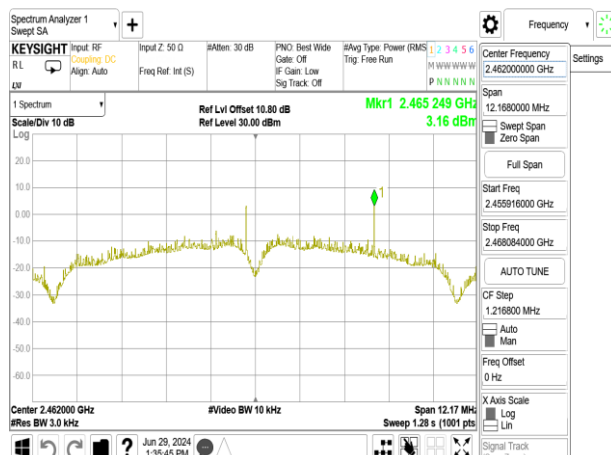
802.11b_20MHz_Chain1_2437MHz



802.11b_20MHz_Chain0_2462MHz



802.11b_20MHz_Chain1_2462MHz

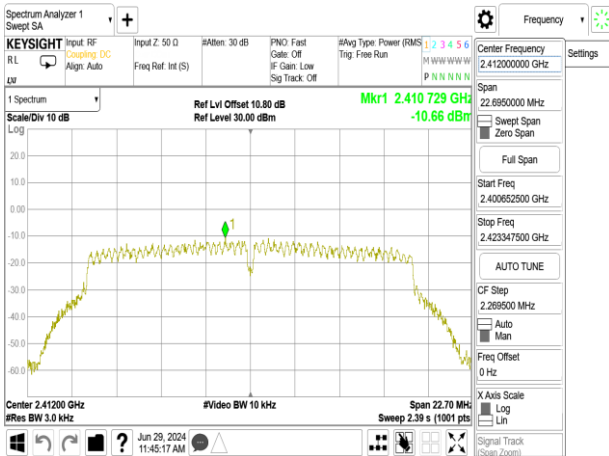


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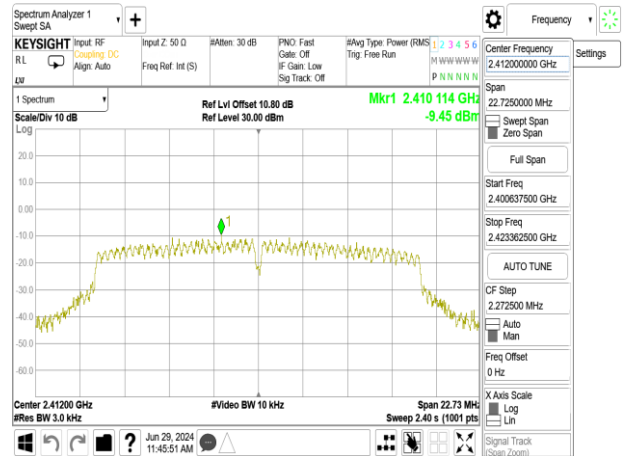
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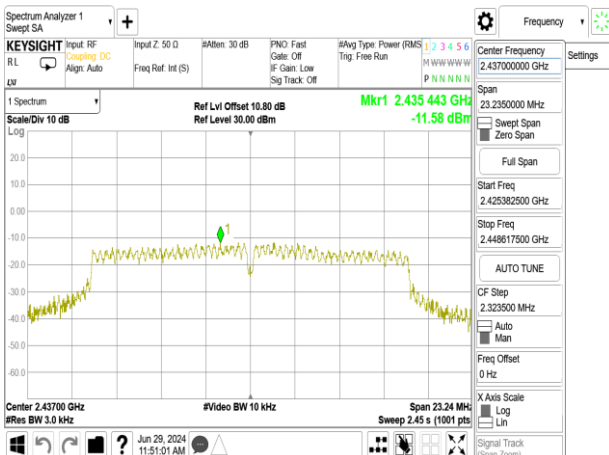
802.11g_20MHz_Chain0_2412MHz



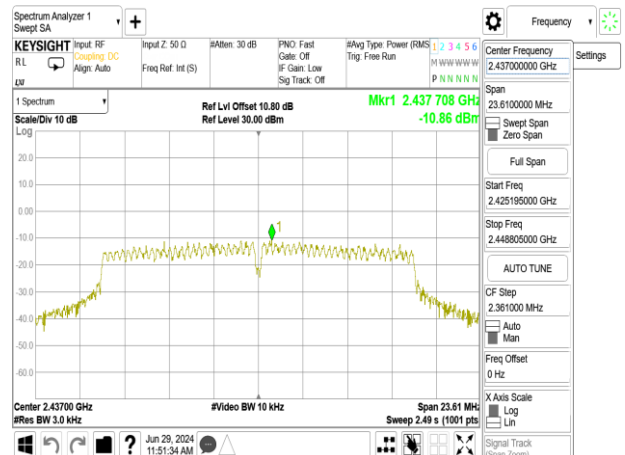
802.11g_20MHz_Chain1_2412MHz



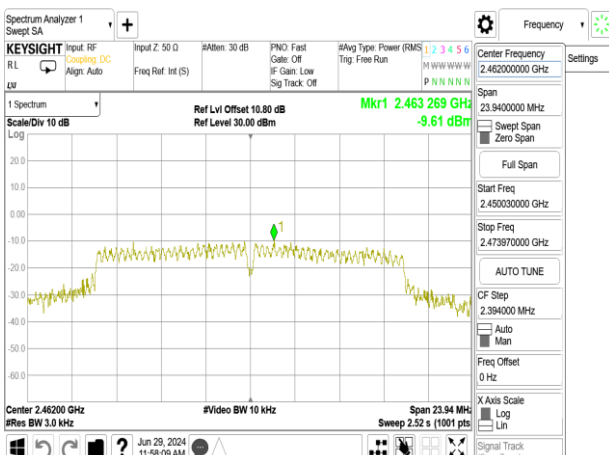
802.11g_20MHz_Chain0_2437MHz



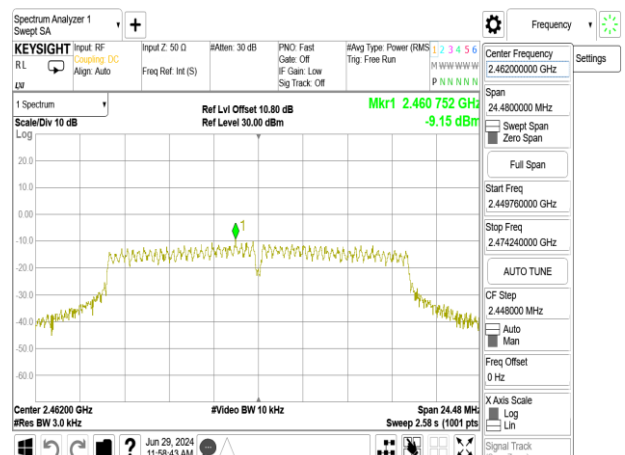
802.11g_20MHz_Chain1_2437MHz



802.11g_20MHz_Chain0_2462MHz



802.11g_20MHz_Chain1_2462MHz

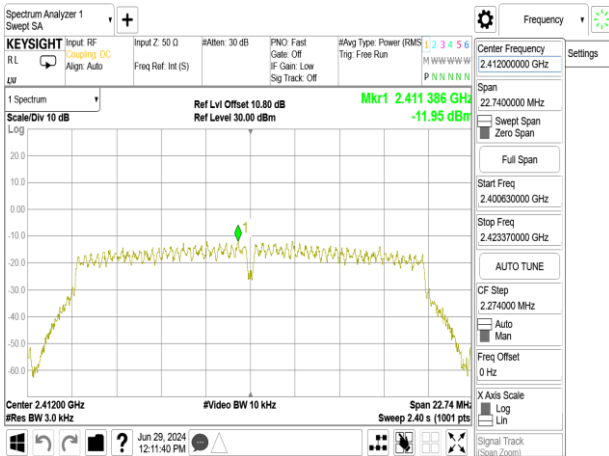


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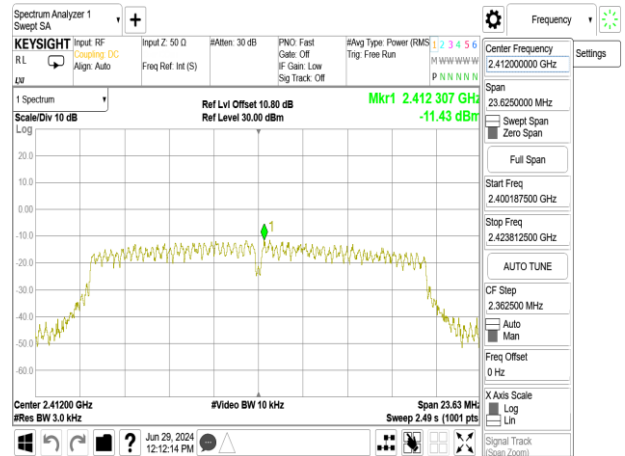
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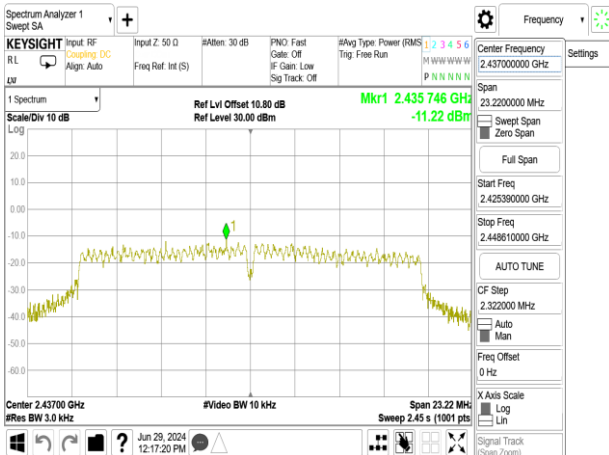
802.11n_20MHz_Chain0_2412MHz



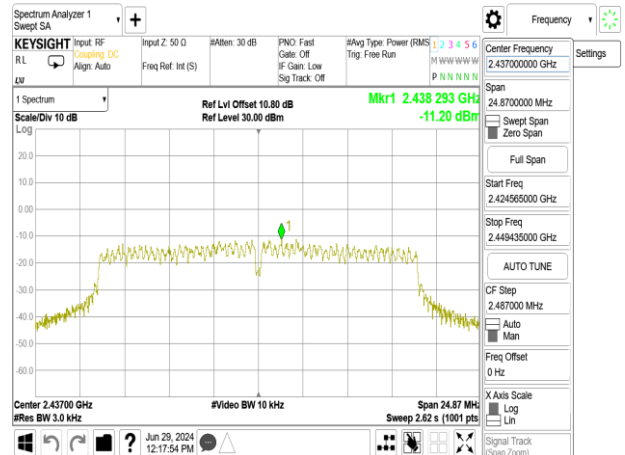
802.11n_20MHz_Chain1_2412MHz



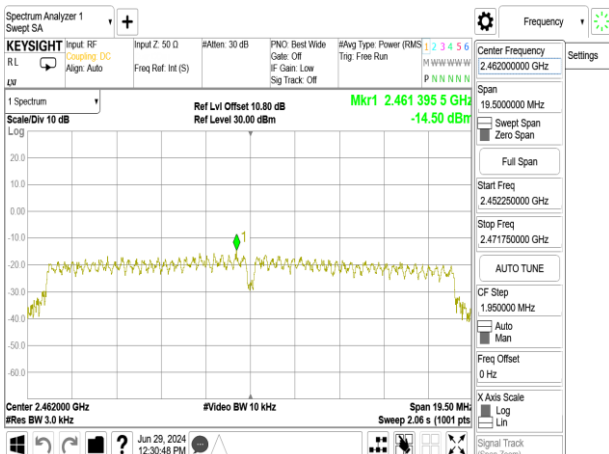
802.11n_20MHz_Chain0_2437MHz



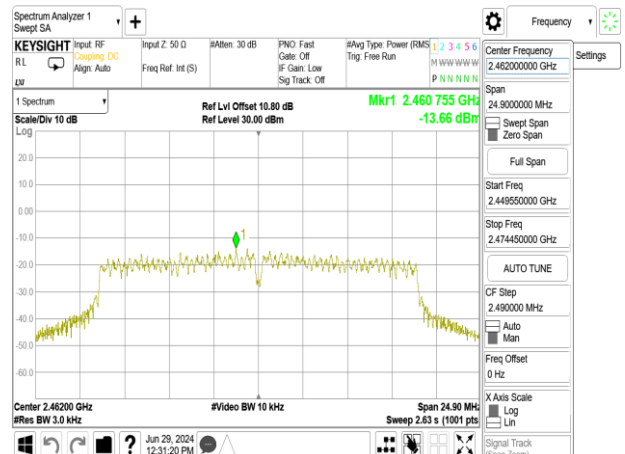
802.11n_20MHz_Chain1_2437MHz



802.11n_20MHz_Chain0_2462MHz



802.11n_20MHz_Chain1_2462MHz

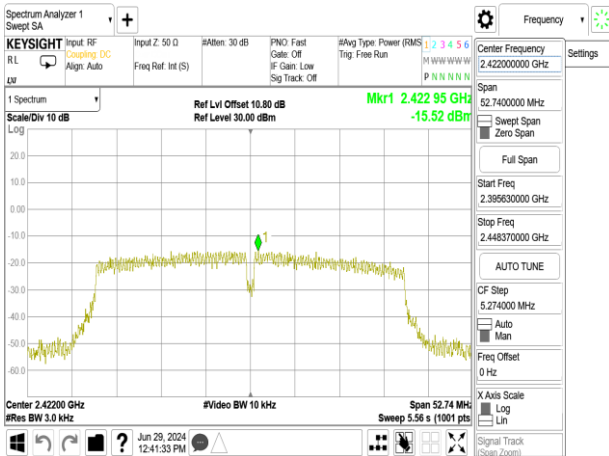


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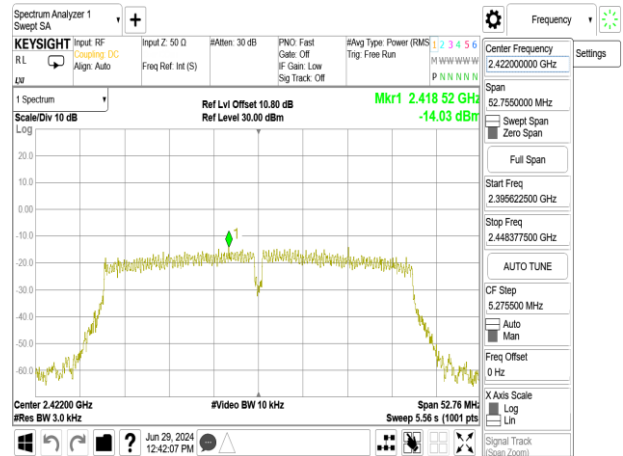
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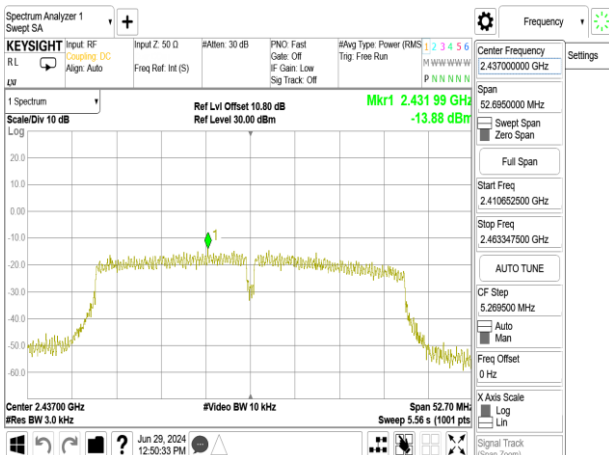
802.11n_40MHz_Chain0_2422MHz



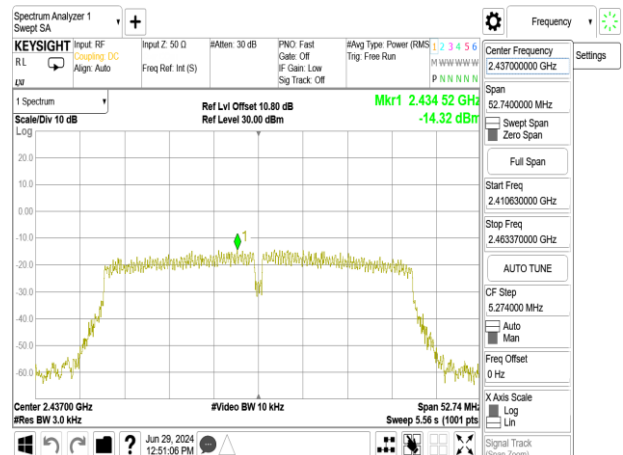
802.11n_40MHz_Chain1_2422MHz



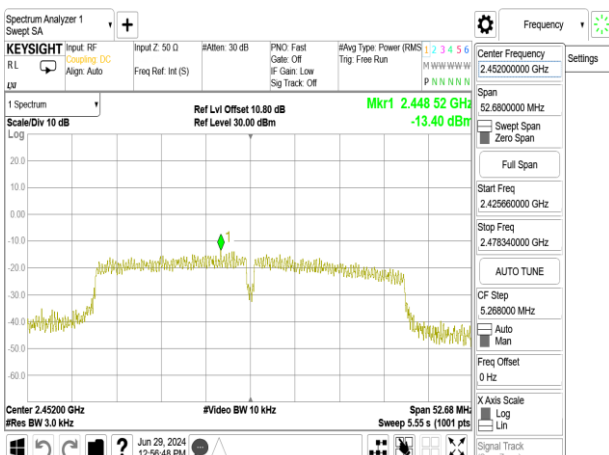
802.11n_40MHz_Chain0_2437MHz



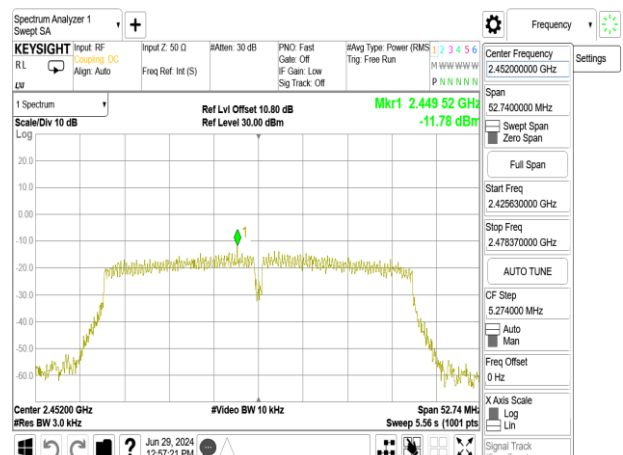
802.11n_40MHz_Chain1_2437MHz



802.11n_40MHz_Chain0_2452MHz



802.11n_40MHz_Chain1_2452MHz



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