

Page: 62 of 181

### 802.11ax\_40MHz\_Chain0\_2422MHz



802.11ax 40MHz Chain0 2437MHz



802.11ax\_40MHz\_Chain0\_2452MHz



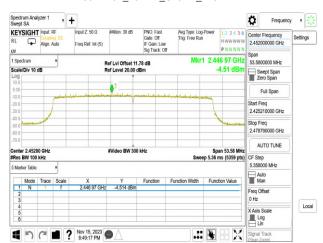
802.11ax\_40MHz\_Chain1\_2422MHz



802.11ax\_40MHz\_Chain1\_2437MHz



802.11ax\_40MHz\_Chain1\_2452MHz



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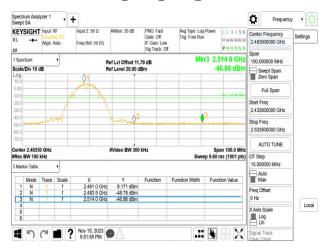


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### 802.11b\_20MHz\_Chain0\_2412MHz



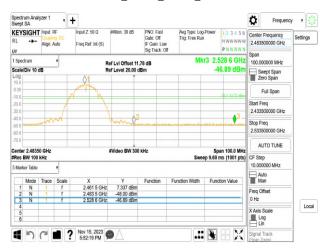
802.11b 20MHz Chain0 2462MHz



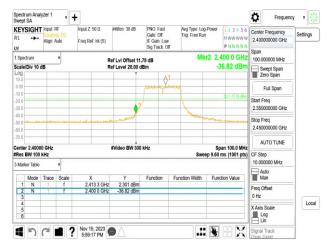
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802.11b\_20MHz\_Chain1\_2462MHz



802.11g 20MHz Chain0 2412MHz



802.11g\_20MHz\_Chain0\_2462MHz



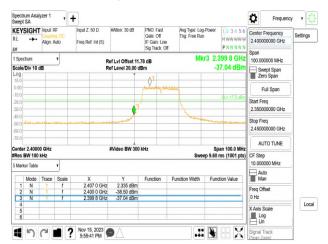
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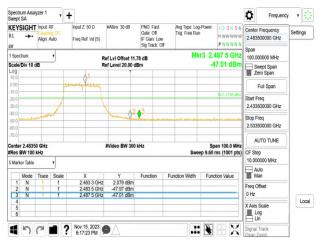


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### 802.11g\_20MHz\_Chain1\_2412MHz



802.11g\_20MHz\_Chain1\_2462MHz



802.11n\_20MHz\_Chain0\_2412MHz



802.11n\_20MHz\_Chain0\_2462MHz



802.11n 20MHz Chain1 2412MHz



802.11n\_20MHz\_Chain1\_2462MHz



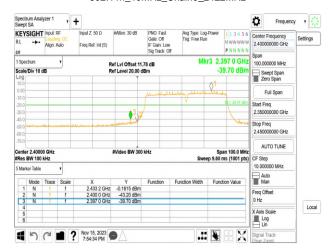
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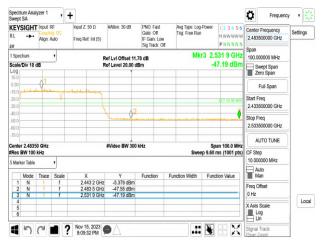


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### 802.11n\_40MHz\_Chain0\_2422MHz



802.11n 40MHz Chain0 2452MHz



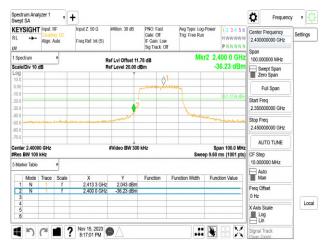
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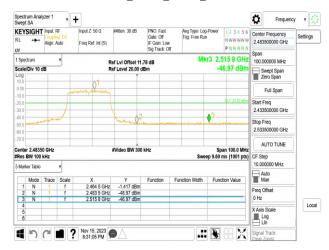
802.11n\_40MHz\_Chain1\_2452MHz



802.11ax\_20MHz\_Chain0\_2412MHz



802.11ax\_20MHz\_Chain0\_2462MHz



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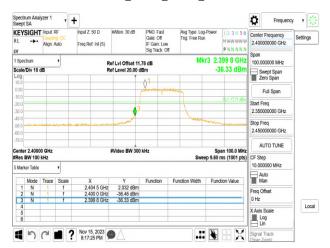
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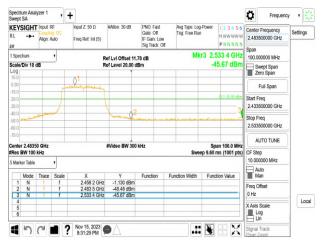


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### 802.11ax\_20MHz\_Chain1\_2412MHz



802.11ax 20MHz Chain1 2462MHz



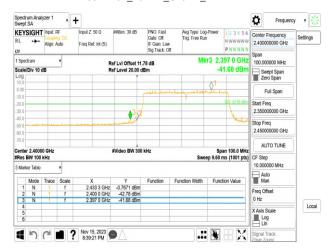
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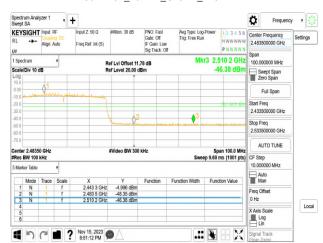
802.11ax\_40MHz\_Chain0\_2452MHz



802.11ax 40MHz Chain1 2422MHz



802.11ax\_40MHz\_Chain1\_2452MHz



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### 802.11b\_20MHz\_Chain0\_2412MHz



802.11b 20MHz Chain0 2437MHz



802.11b\_20MHz\_Chain0\_2462MHz



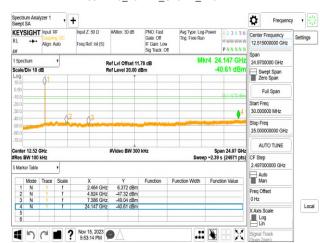
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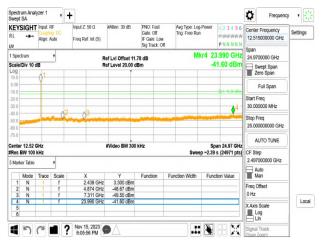


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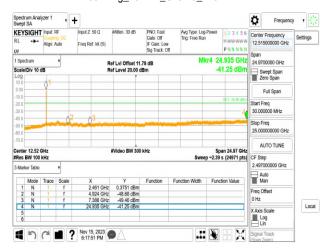
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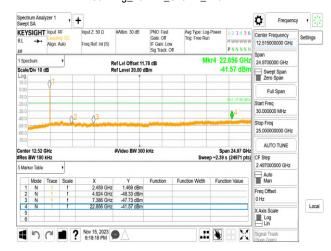
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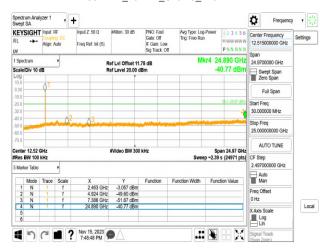
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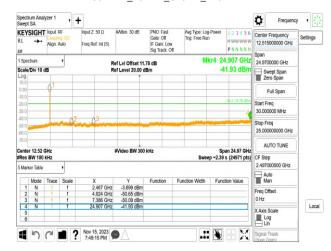
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802.11n 40MHz Chain0 2437MHz



802.11n\_40MHz\_Chain0\_2452MHz



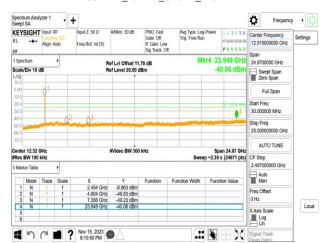
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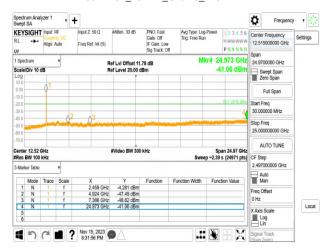
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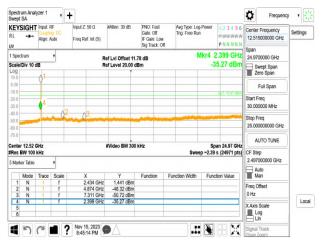


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802.11ax 40MHz Chain0 2437MHz



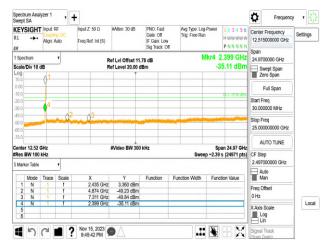
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### 11 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

# 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 and RSS-Gen §8.9 Table 5 and 6 limit as below.

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

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

### Note:

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

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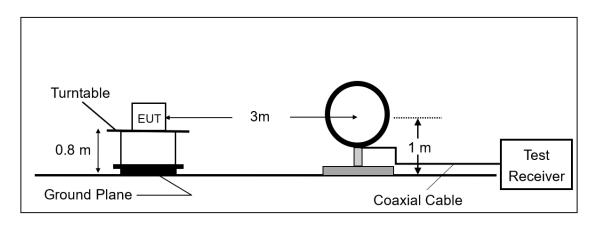
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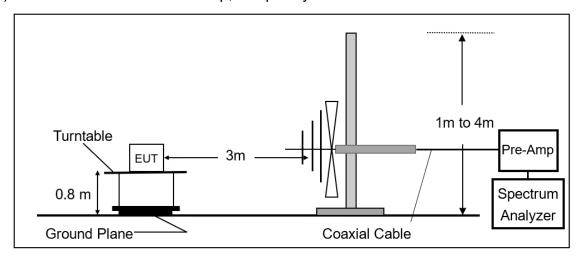
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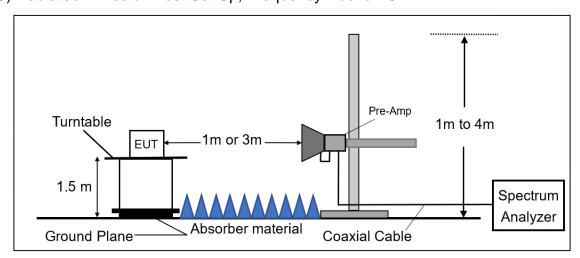
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(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\*log(uV/m)

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Actual  $FS(dB\mu V/m) = SPA$ . Reading level(dB $\mu V$ ) + Factor(dB)  $Factor(dB) = Antenna\ Factor(dB\mu V/m) + Cable\ Loss(dB) - Pre\_Amplifier\ Gain(dB)$ 

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

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

#### 11.6 **Measurement Result**

### Note:

- 1. Refer to next page spectrum analyzer data chart and tabular data sheets.
- 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**

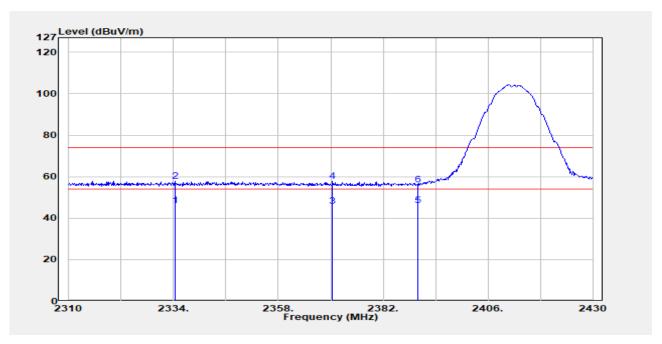
Test Site :SAC 1 Report Number :TERF2310002604ER

**Operation Mode** :802.11b **Test Date** :2023-10-30

**Test Frequency** :2412 MHz Temp./Humi. :23.5°C/55%

Test Mode :Bandedge Antenna Pol. :Vertical

**EUT Pol** Engineer :WJ Lin :H Plane



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dΒμV/m	dB
2334.36	Average	49.32	-3.18	46.14	54.00	-7.86
2334.36	Peak	61.02	-3.18	57.84	74.00	-16.16
2370.36	Average	49.19	-3.32	45.87	54.00	-8.13
2370.36	Peak	61.24	-3.32	57.92	74.00	-16.08
2390.00	Average	49.37	-3.42	45.95	54.00	-8.05
2390.00	Peak	59.57	-3.42	56.15	74.00	-17.85

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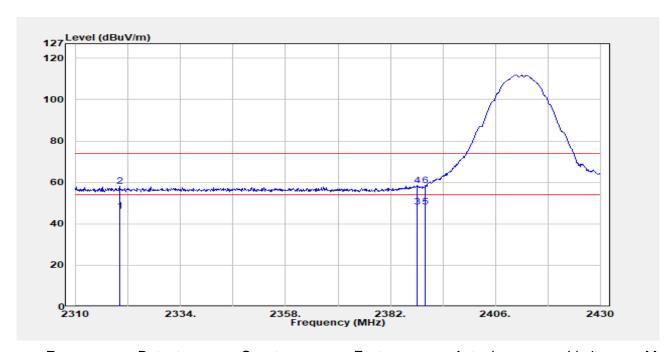


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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11b Test Date :2023-10-30 Test Frequency :2412 MHz Temp./Humi. :23.5 $^{\circ}$ C/55% Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2319.96	Average	49.41	-3.16	46.25	54.00	-7.75
2319.96	Peak	61.42	-3.16	58.26	74.00	-15.74
2388.12	Average	51.68	-3.41	48.27	54.00	-5.73
2388.12	Peak	62.04	-3.41	58.63	74.00	-15.37
2390.00	Average	51.51	-3.42	48.09	54.00	-5.91
2390.00	Peak	61.86	-3.42	58.44	74.00	-15.56

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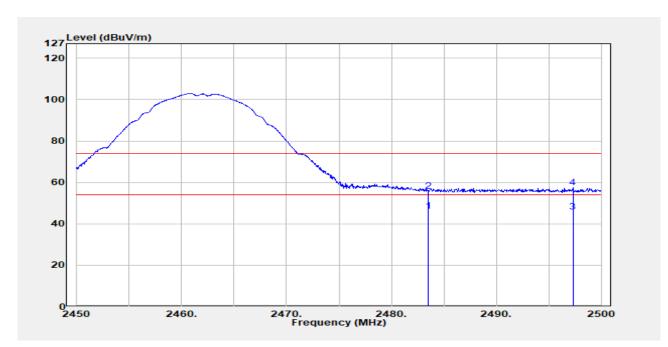
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Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11b
 Test Date
 :2023-10-30

 Test Frequency
 :2462 MHz
 Temp./Humi.
 :23.5℃/55%

Test Mode :Bandedge Antenna Pol. :Vertical EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	49.43	-3.45	45.98	54.00	-8.02
2483.50	Peak	59.28	-3.45	55.83	74.00	-18.17
2497.30	Average	49.31	-3.39	45.92	54.00	-8.08
2497.30	Peak	60.82	-3.39	57.43	74.00	-16.57

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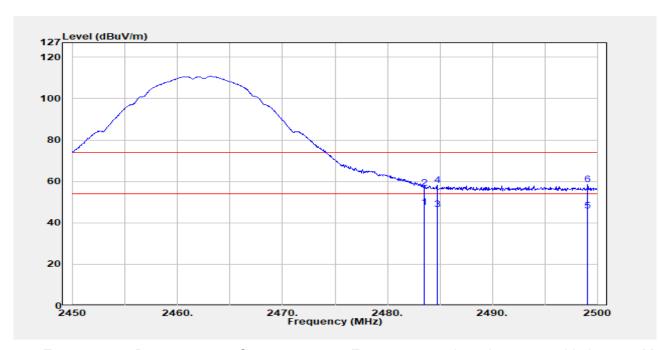


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-10-30 :802.11b **Test Frequency** :2462 MHz Temp./Humi. :23.5°C/55% Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	2483.50	Average	50.95	-3.45	47.50	54.00	-6.50
	2483.50	Peak	60.30	-3.45	56.86	74.00	-17.14
	2484.75	Average	49.91	-3.44	46.47	54.00	-7.53
	2484.75	Peak	61.62	-3.44	58.18	74.00	-15.82
	2499.10	Average	49.30	-3.38	45.92	54.00	-8.08
	2499.10	Peak	61.75	-3.38	58.36	74.00	-15.64

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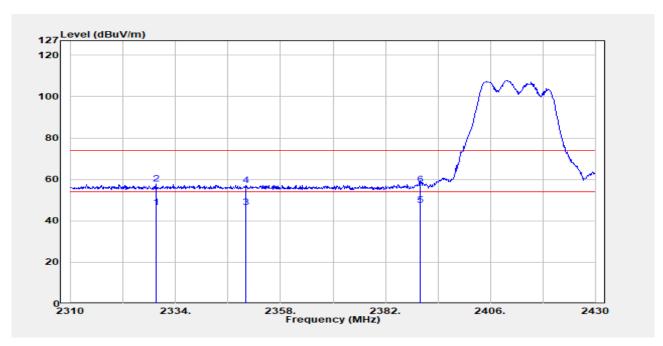


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-10-30 :802.11g **Test Frequency** :2412 MHz Temp./Humi. :23.5°C/55%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2329.44	Average	49.72	-3.18	46.54	54.00	-7.46
2329.44	Peak	60.91	-3.18	57.73	74.00	-16.27
2350.08	Average	49.73	-3.21	46.52	54.00	-7.48
2350.08	Peak	60.49	-3.21	57.28	74.00	-16.72
2390.00	Average	50.76	-3.42	47.34	54.00	-6.66
2390.00	Peak	60.97	-3.42	57.55	74.00	-16.45

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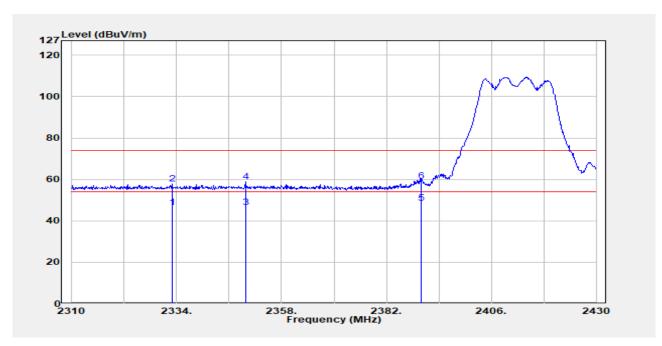


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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode:802.11gTest Date:2023-10-30Test Frequency:2412 MHzTemp./Humi.:23.5 ℃/55%Test Mode:BandedgeAntenna Pol.:Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2332.92	Average	49.71	-3.18	46.53	54.00	-7.47
2332.92	Peak	61.05	-3.18	57.87	74.00	-16.13
2349.72	Average	49.72	-3.21	46.51	54.00	-7.49
2349.72	Peak	61.92	-3.21	58.71	74.00	-15.29
2390.00	Average	52.04	-3.42	48.62	54.00	-5.38
2390.00	Peak	62.51	-3.42	59.09	74.00	-14.91

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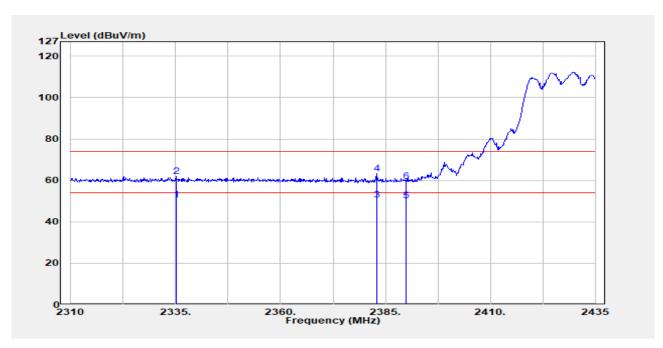
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Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11g
 Test Date
 :2023-11-28

 Test Frequency
 :2427 MHz
 Temp./Humi.
 :23.6℃/53%

Test Mode :Bandedge Antenna Pol. :Vertical EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2335.13	Average	53.83	-3.19	50.64	54.00	-3.36
2335.13	Peak	65.15	-3.19	61.97	74.00	-12.03
2382.88	Average	53.90	-3.38	50.52	54.00	-3.48
2382.88	Peak	66.60	-3.38	63.21	74.00	-10.79
2390.00	Average	53.81	-3.42	50.39	54.00	-3.61
2390.00	Peak	62.97	-3.42	59.55	74.00	-14.45

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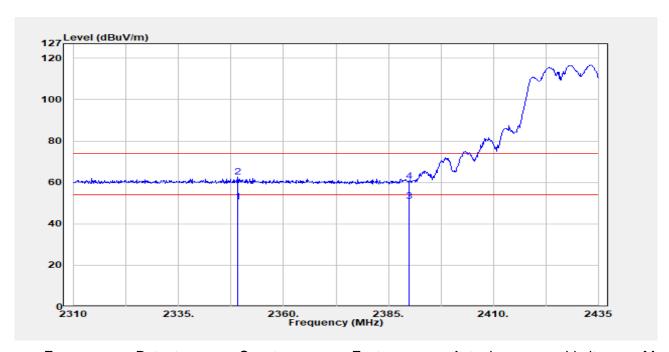


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11g **Test Frequency** :2427 MHz Temp./Humi. :23.6°C/53% Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2349.00	Average	53.83	-3.21	50.62	54.00	-3.38
2349.00	Peak	65.94	-3.21	62.73	74.00	-11.27
2390.00	Average	54.19	-3.42	50.77	54.00	-3.23
2390.00	Peak	64.04	-3.42	60.62	74.00	-13.38

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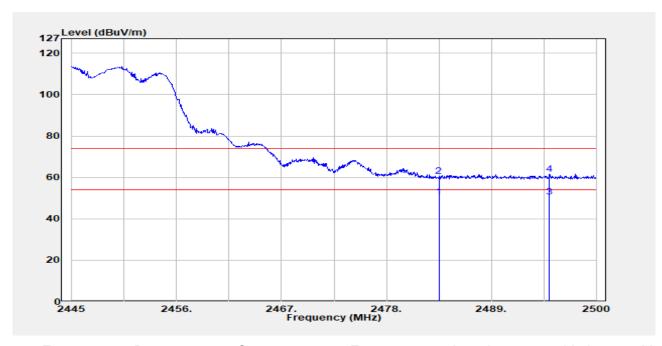
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Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11g
 Test Date
 :2023-11-28

 Test Frequency
 :2447 MHz
 Temp./Humi.
 :23.6℃/53%

Test Mode :Bandedge Antenna Pol. :Vertical EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.95	-3.45	50.50	54.00	-3.50
2483.50	Peak	64.04	-3.45	60.59	74.00	-13.41
2495.11	Average	53.85	-3.40	50.45	54.00	-3.55
2495.11	Peak	65.06	-3.40	61.66	74.00	-12.34

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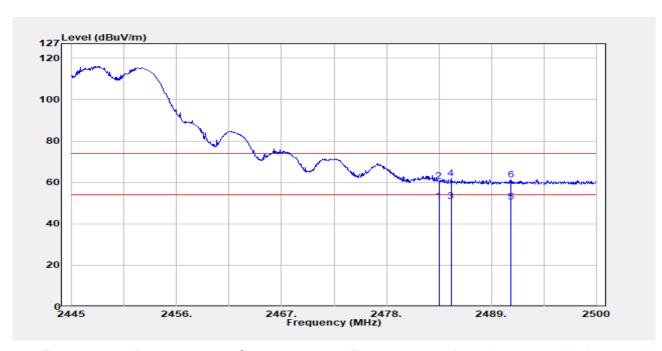


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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode:802.11gTest Date:2023-11-28Test Frequency:2447 MHzTemp./Humi.:23.6℃/53%Test Mode:BandedgeAntenna Pol.:Horizontal

EUT Pol :H Plane Engineer :WJ Lin



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dBμV/m	dB
	2483.50	Average	54.38	-3.45	50.93	54.00	-3.07
	2483.50	Peak	63.93	-3.45	60.49	74.00	-13.51
	2484.77	Average	54.25	-3.44	50.81	54.00	-3.19
	2484.77	Peak	65.41	-3.44	61.97	74.00	-12.03
	2491.09	Average	53.89	-3.42	50.47	54.00	-3.53
	2491.09	Peak	64.70	-3.42	61.28	74.00	-12.72

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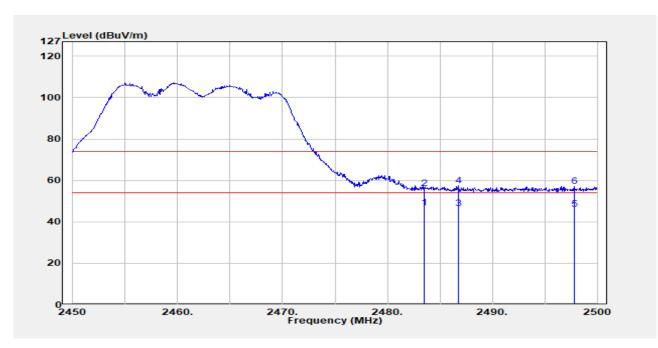


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-10-30 :802.11g **Test Frequency** :2462 MHz Temp./Humi. :23.5°C/55%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2483.50	Average	50.24	-3.45	46.79	54.00	-7.21
2483.50	Peak	59.44	-3.45	55.99	74.00	-18.01
2486.75	Average	50.06	-3.43	46.63	54.00	-7.37
2486.75	Peak	61.04	-3.43	57.60	74.00	-16.40
2497.80	Average	49.61	-3.39	46.22	54.00	-7.78
2497.80	Peak	60.49	-3.39	57.10	74.00	-16.90

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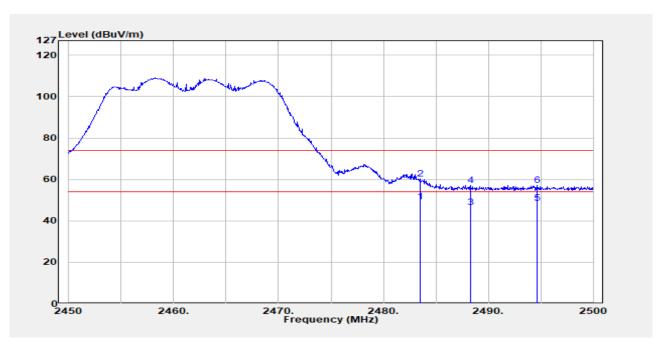
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-10-30 :802.11g **Test Frequency** :2462 MHz Temp./Humi. :23.5°C/55% Test Mode :Bandedge Antenna Pol. :Horizontal **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2483.50	Average	52.58	-3.45	49.13	54.00	-4.87
2483.50	Peak	63.65	-3.45	60.20	74.00	-13.80
2488.30	Average	49.85	-3.43	46.42	54.00	-7.58
2488.30	Peak	60.58	-3.43	57.16	74.00	-16.84
2494.65	Average	51.84	-3.40	48.44	54.00	-5.56
2494.65	Peak	60.46	-3.40	57.06	74.00	-16.94

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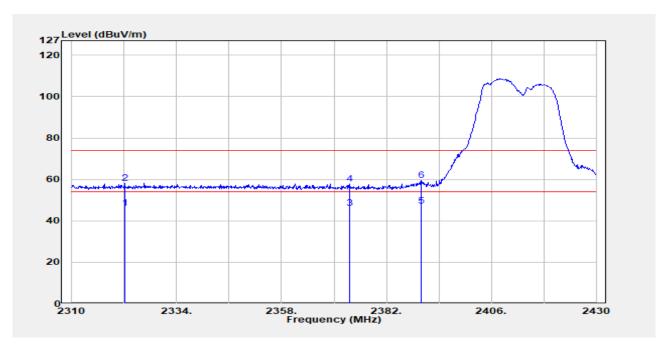


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-10-30 Operation Mode :802.11n20 **Test Frequency** Temp./Humi. :23.5°C/55% :2412 MHz

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2322.12	Average	49.27	-3.17	46.10	54.00	-7.90
2322.12	Peak	61.49	-3.17	58.32	74.00	-15.68
2373.60	Average	49.46	-3.33	46.13	54.00	-7.87
2373.60	Peak	61.16	-3.33	57.83	74.00	-16.17
2390.00	Average	50.70	-3.42	47.28	54.00	-6.72
2390.00	Peak	62.96	-3.42	59.55	74.00	-14.45

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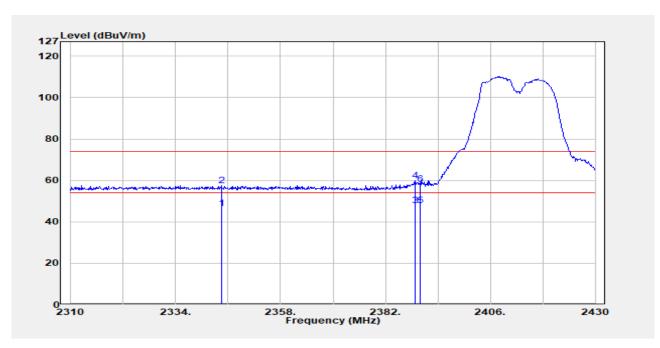


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-10-30 Operation Mode :802.11n20 **Test Frequency** Temp./Humi. :23.5°C/55% :2412 MHz Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
2344.44	Average	49.56	-3.20	46.36	54.00	-7.64
2344.44	Peak	60.63	-3.20	57.43	74.00	-16.57
2388.84	Average	51.31	-3.41	47.90	54.00	-6.10
2388.84	Peak	63.31	-3.41	59.90	74.00	-14.10
2390.00	Average	51.29	-3.42	47.87	54.00	-6.13
2390.00	Peak	61.65	-3.42	58.24	74.00	-15.76

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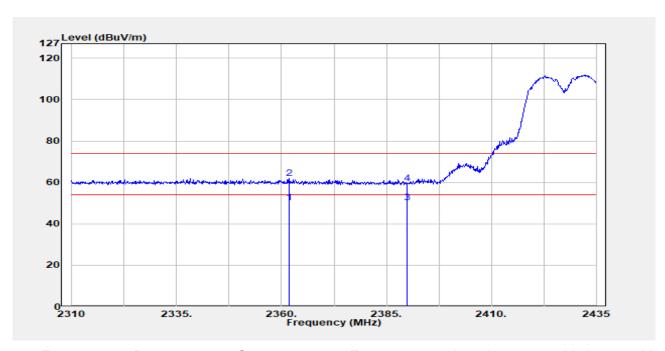
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11n20 **Test Frequency** :2427 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2361.88	Average	53.55	-3.27	50.28	54.00	-3.72
2361.88	Peak	65.33	-3.27	62.06	74.00	-11.94
2390.00	Average	53.61	-3.42	50.19	54.00	-3.81
2390.00	Peak	63.00	-3.42	59.58	74.00	-14.42

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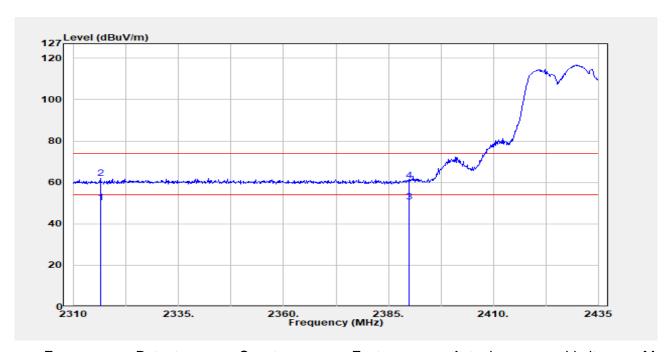


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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2023-11-28 Test Frequency :2427 MHz Temp./Humi. :23.6 $^{\circ}$ C/53% Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2316.38	Average	53.48	-3.16	50.32	54.00	-3.68
2316.38	Peak	65.04	-3.16	61.89	74.00	-12.11
2390.00	Average	54.04	-3.42	50.62	54.00	-3.38
2390.00	Peak	64.28	-3.42	60.87	74.00	-13.13

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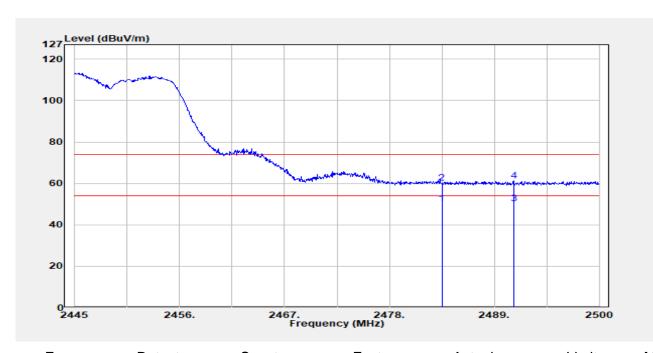


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-28 Operation Mode :802.11n20 **Test Frequency** :2447 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.78	-3.45	50.33	54.00	-3.67
2483.50	Peak	63.60	-3.45	60.15	74.00	-13.85
2491.04	Average	53.57	-3.42	50.15	54.00	-3.85
2491.04	Peak	64.56	-3.42	61.14	74.00	-12.86

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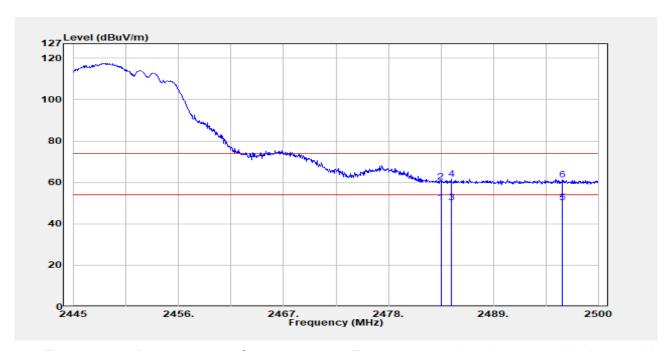


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11n20 **Test Frequency** :2447 MHz Temp./Humi. :23.6°C/53% Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.84	-3.45	50.39	54.00	-3.61
2483.50	Peak	63.81	-3.45	60.36	74.00	-13.64
2484.60	Average	53.77	-3.44	50.33	54.00	-3.67
2484.60	Peak	64.94	-3.44	61.50	74.00	-12.50
2496.26	Average	53.59	-3.39	50.20	54.00	-3.80
2496.26	Peak	64.74	-3.39	61.35	74.00	-12.65

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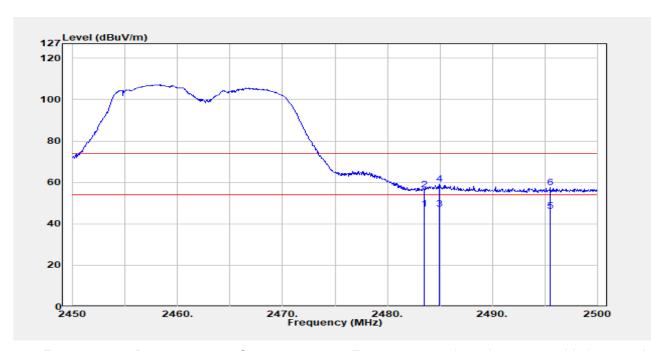


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-20 Operation Mode :802.11n20 **Test Frequency** Temp./Humi. :23.5°C/61% :2462 MHz

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	50.61	-3.45	47.16	54.00	-6.84
2483.50	Peak	60.06	-3.45	56.61	74.00	-17.39
2484.95	Average	50.59	-3.44	47.15	54.00	-6.85
2484.95	Peak	62.64	-3.44	59.20	74.00	-14.80
2495.55	Average	49.55	-3.40	46.15	54.00	-7.85
2495.55	Peak	60.95	-3.40	57.56	74.00	-16.44

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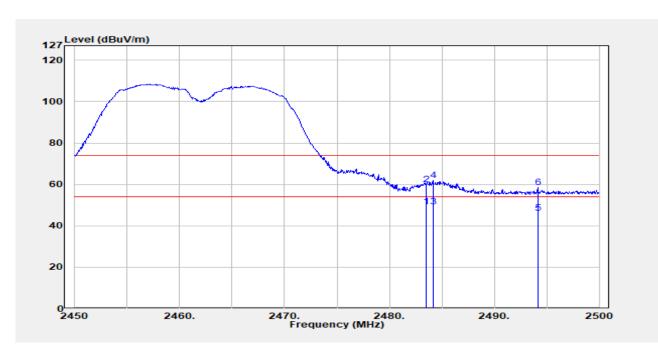


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-20 **Test Date** Operation Mode :802.11n20 **Test Frequency** Temp./Humi. :23.5°C/61% :2462 MHz Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



F	req.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
N	ИHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
248	83.50	Average	52.51	-3.45	49.06	54.00	-4.94
248	83.50	Peak	63.39	-3.45	59.95	74.00	-14.05
248	84.15	Average	52.51	-3.44	49.07	54.00	-4.93
248	84.15	Peak	65.28	-3.44	61.84	74.00	-12.16
249	94.15	Average	49.56	-3.40	46.16	54.00	-7.84
249	94.15	Peak	61.89	-3.40	58.49	74.00	-15.51

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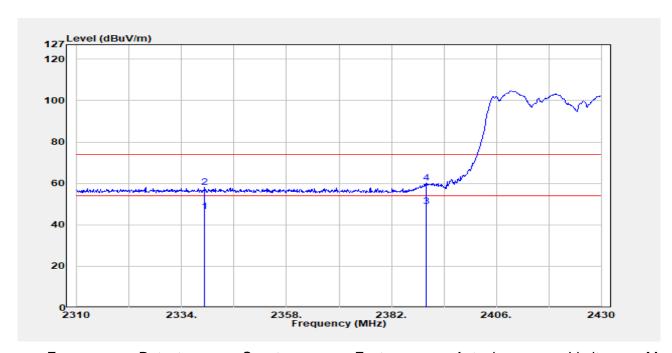


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-08 Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.9°C/58% :2422 MHz

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dBμV/m	dB
2339.28	Average	49.61	-3.19	46.42	54.00	-7.58
2339.28	Peak	61.21	-3.19	58.02	74.00	-15.98
2390.00	Average	52.22	-3.42	48.80	54.00	-5.20
2390.00	Peak	63.67	-3.42	60.25	74.00	-13.75
2339.28 2339.28 2390.00	Average Peak Average	49.61 61.21 52.22	-3.19 -3.19 -3.42	46.42 58.02 48.80	54.00 74.00 54.00	

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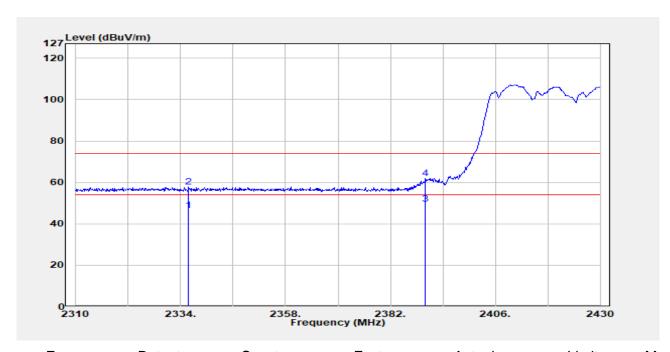
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-08 **Test Date** Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.9°C/58% :2422 MHz

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2335.80	Average	49.61	-3.19	46.42	54.00	-7.58
2335.80	Peak	60.93	-3.19	57.74	74.00	-16.26
2390.00	Average	53.15	-3.42	49.73	54.00	-4.27
2390.00	Peak	65.31	-3.42	61.89	74.00	-12.11

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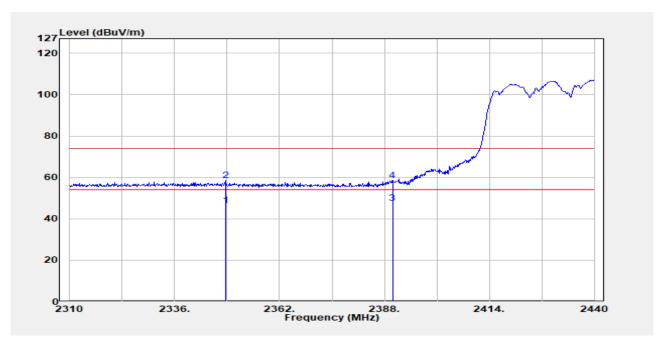
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Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11n40
 Test Date
 :2023-11-24

 Test Frequency
 :2432 MHz
 Temp./Humi.
 :23.2℃/57%

Test Mode :Bandedge Antenna Pol. :Vertical EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2348.61	Average	49.71	-3.21	46.50	54.00	-7.50
2348.61	Peak	61.56	-3.21	58.35	74.00	-15.65
2390.00	Average	51.05	-3.42	47.63	54.00	-6.37
2390.00	Peak	61.76	-3.42	58.34	74.00	-15.66

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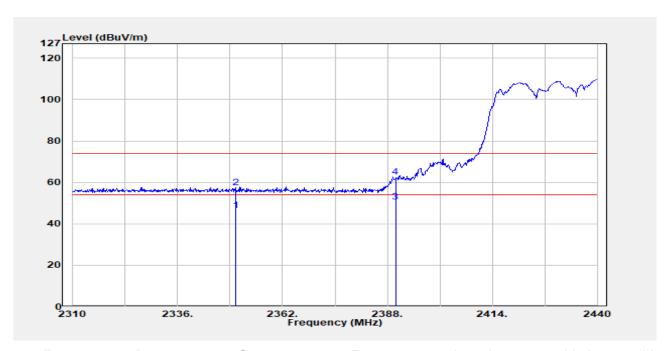


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-24 Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.2°C/57% :2432 MHz Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2350.43	Average	49.65	-3.21	46.44	54.00	-7.56
2350.43	Peak	60.80	-3.21	57.59	74.00	-16.41
2390.00	Average	54.01	-3.42	50.59	54.00	-3.41
2390.00	Peak	66.18	-3.42	62.76	74.00	-11.24

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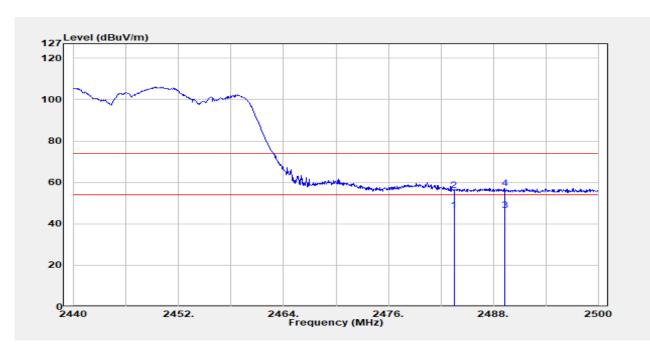


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-24 Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.2°C/57% :2442 MHz

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	50.03	-3.45	46.58	54.00	-7.42
2483.50	Peak	59.40	-3.45	55.95	74.00	-18.05
2489.32	Average	50.00	-3.42	46.58	54.00	-7.42
2489.32	Peak	60.53	-3.42	57.11	74.00	-16.89

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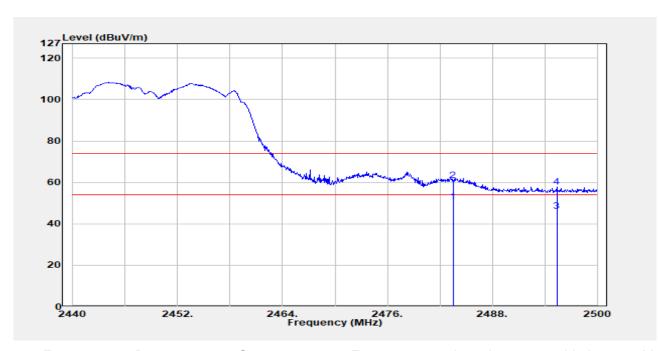


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-24 Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.2°C/57% :2442 MHz Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.04	-3.45	50.59	54.00	-3.41
2483.50	Peak	64.42	-3.45	60.97	74.00	-13.03
2495.38	Average	49.61	-3.40	46.21	54.00	-7.79
2495.38	Peak	61.10	-3.40	57.70	74.00	-16.30

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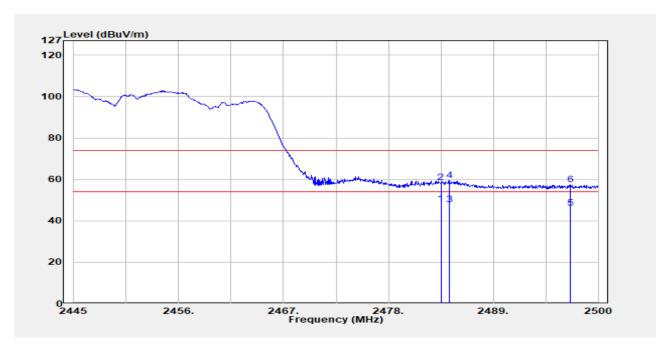


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-24 Operation Mode :802.11n40 **Test Frequency** :2447 MHz Temp./Humi. :23.2°C/57%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	51.47	-3.45	48.02	54.00	-5.98
2483.50	Peak	62.00	-3.45	58.55	74.00	-15.45
2484.38	Average	51.40	-3.44	47.96	54.00	-6.04
2484.38	Peak	62.88	-3.44	59.44	74.00	-14.56
2497.09	Average	49.52	-3.39	46.13	54.00	-7.87
2497.09	Peak	61.04	-3.39	57.64	74.00	-16.36

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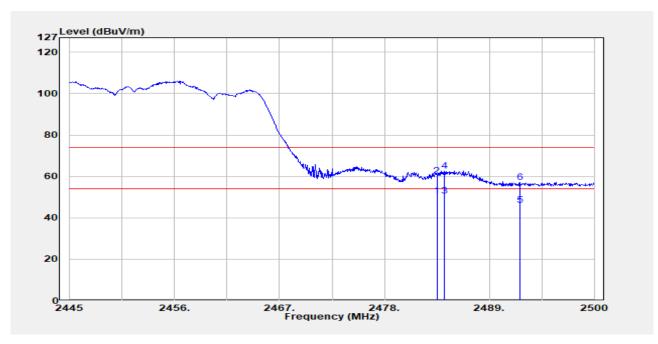
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-24 Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.2°C/57% :2447 MHz Test Mode :Bandedge Antenna Pol. :Horizontal **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.96	-3.45	50.51	54.00	-3.49
2483.50	Peak	63.70	-3.45	60.26	74.00	-13.74
2484.27	Average	54.10	-3.44	50.66	54.00	-3.34
2484.27	Peak	66.10	-3.44	62.66	74.00	-11.34
2492.19	Average	49.39	-3.41	45.98	54.00	-8.02
2492.19	Peak	60.68	-3.41	57.27	74.00	-16.73

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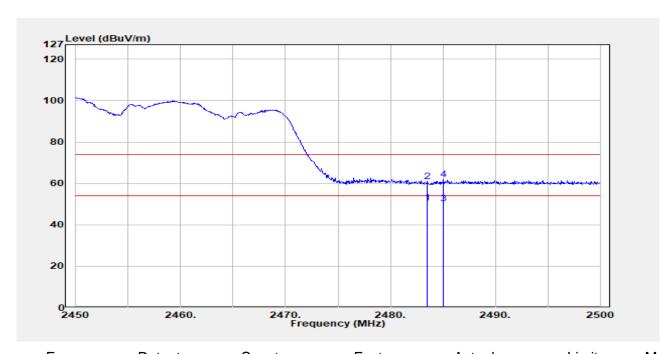


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-20 **Test Date** Operation Mode :802.11n40 **Test Frequency** Temp./Humi. :23.5°C/61% :2452 MHz

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.88	-3.45	50.43	54.00	-3.57
2483.50	Peak	64.29	-3.45	60.84	74.00	-13.16
2485.05	Average	53.85	-3.44	50.41	54.00	-3.59
2485.05	Peak	65.34	-3.44	61.90	74.00	-12.10

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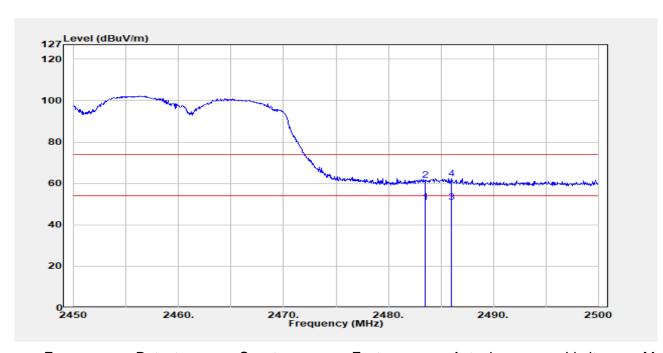


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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2023-11-20 Test Frequency :2452 MHz Temp./Humi. :23.5 $^{\circ}$ C/61% Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.25	-3.45	50.80	54.00	-3.20
2483.50	Peak	64.94	-3.45	61.50	74.00	-12.50
2486.05	Average	54.23	-3.44	50.79	54.00	-3.21
2486.05	Peak	65.85	-3.44	62.42	74.00	-11.58

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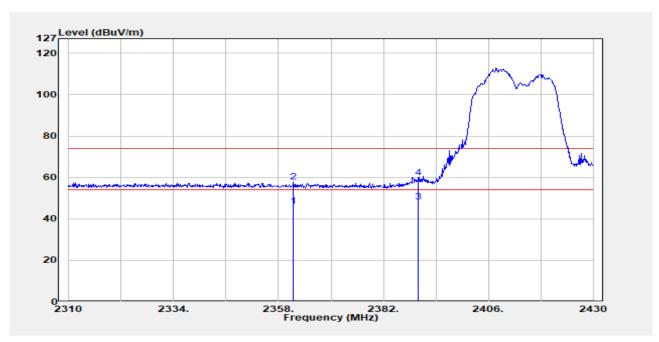
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-08 **Test Date** Operation Mode :802.11ax20 **Test Frequency** Temp./Humi. :23.9°C/58% :2412 MHz

Test Mode :Bandedge Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2361.36	Average	49.53	-3.27	46.26	54.00	-7.74
2361.36	Peak	61.01	-3.27	57.74	74.00	-16.26
2390.00	Average	51.61	-3.42	48.19	54.00	-5.81
2390.00	Peak	63.20	-3.42	59.78	74.00	-14.22

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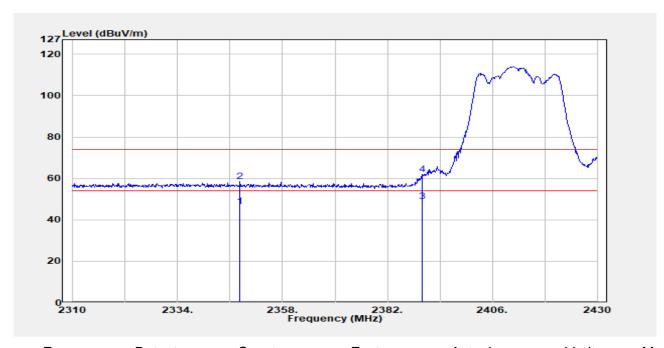
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-08 **Test Date** Operation Mode :802.11ax20 **Test Frequency** Temp./Humi. :23.9°C/58% :2412 MHz

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2348.28	Average	49.58	-3.21	46.37	54.00	-7.63
2348.28	Peak	61.64	-3.21	58.44	74.00	-15.56
2390.00	Average	52.17	-3.42	48.75	54.00	-5.25
2390.00	Peak	65.42	-3.42	62.01	74.00	-11.99

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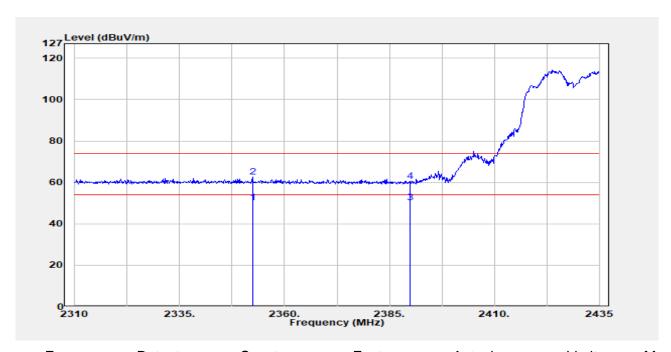
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax20

**Test Frequency** :2427 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2352.38	Average	53.64	-3.22	50.42	54.00	-3.58
2352.38	Peak	65.82	-3.22	62.60	74.00	-11.40
2390.00	Average	53.63	-3.42	50.21	54.00	-3.79
2390.00	Peak	63.91	-3.42	60.49	74.00	-13.51

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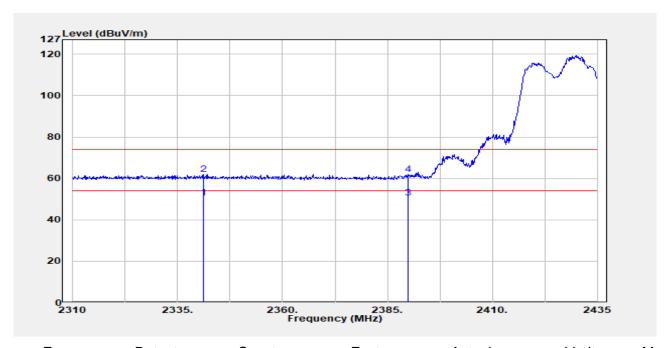
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11ax20
 Test Date
 :2023-11-28

 Test Frequency
 :2427 MHz
 Temp./Humi.
 :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2341.13	Average	53.70	-3.20	50.50	54.00	-3.50
2341.13	Peak	65.08	-3.20	61.88	74.00	-12.12
2390.00	Average	54.18	-3.42	50.76	54.00	-3.24
2390.00	Peak	65.33	-3.42	61.92	74.00	-12.08

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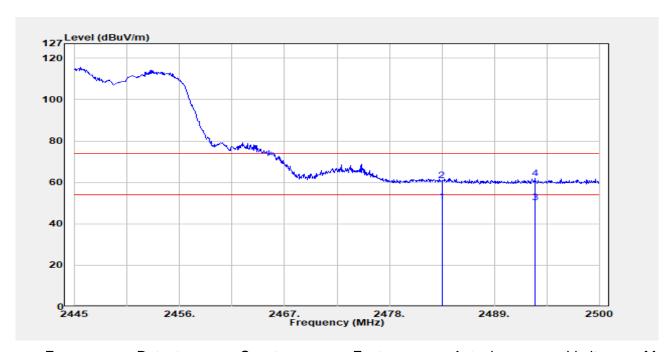
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 Operation Mode
 :802.11ax20
 Test Date
 :2023-11-28

 Test Frequency
 :2447 MHz
 Temp./Humi.
 :23.6℃/53%

Test Mode :Bandedge Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.07	-3.45	50.62	54.00	-3.38
2483.50	Peak	64.25	-3.45	60.80	74.00	-13.20
2493.24	Average	53.58	-3.41	50.17	54.00	-3.83
2493.24	Peak	65.35	-3.41	61.94	74.00	-12.06

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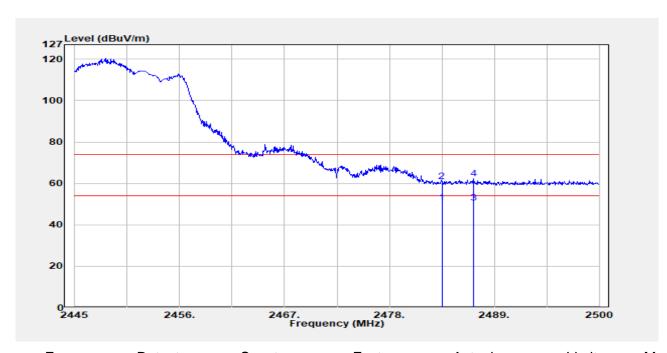


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax20 **Test Frequency** :2447 MHz Temp./Humi. :23.6°C/53% Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.97	-3.45	50.52	54.00	-3.48
2483.50	Peak	64.49	-3.45	61.05	74.00	-12.95
2486.80	Average	53.97	-3.43	50.54	54.00	-3.46
2486.80	Peak	65.64	-3.43	62.21	74.00	-11.79

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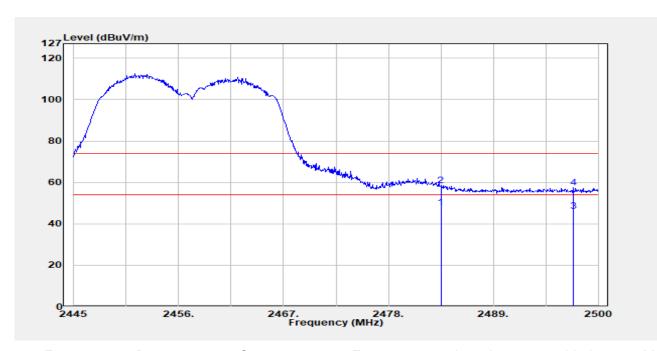
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-29 Operation Mode :802.11ax20 **Test Frequency** :2457 MHz Temp./Humi. :23.3°C/55%

Test Mode :Bandedge Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level		FS	@3m	
PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
Average	51.30	-3.45	47.85	54.00	-6.15
Peak	61.95	-3.45	58.50	74.00	-15.50
Average	49.54	-3.39	46.15	54.00	-7.85
Peak	61.00	-3.39	57.61	74.00	-16.39
	Mode PK/QP/AV  Average Peak Average	Mode Reading Level PK/QP/AV dBμV  Average 51.30 Peak 61.95 Average 49.54	Mode PK/QP/AV         Reading Level dBμV           Average         51.30         -3.45           Peak         61.95         -3.45           Average         49.54         -3.39	Mode PK/QP/AV         Reading Level dBμV         FS dBμV/m           Average         51.30         -3.45         47.85           Peak         61.95         -3.45         58.50           Average         49.54         -3.39         46.15	Mode PK/QP/AV         Reading Level dB μV         FS dB μV/m         @3m dB μV/m           Average         51.30         -3.45         47.85         54.00           Peak         61.95         -3.45         58.50         74.00           Average         49.54         -3.39         46.15         54.00

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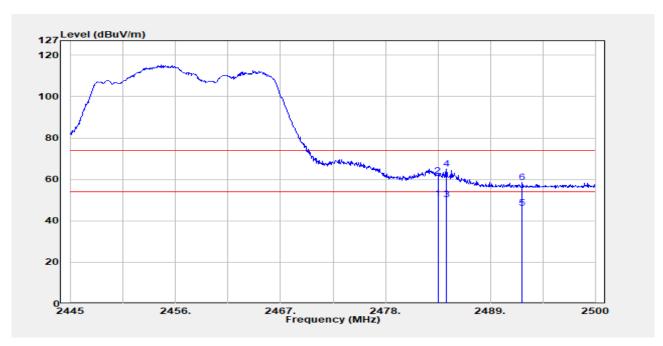


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-29 Operation Mode :802.11ax20 **Test Frequency** :2457 MHz Temp./Humi. :23.3°C/55% Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
2483.50	Average	54.10	-3.45	50.65	54.00	-3.35
2483.50	Peak	64.90	-3.45	61.46	74.00	-12.54
2484.44	Average	53.52	-3.44	50.08	54.00	-3.92
2484.44	Peak	68.61	-3.44	65.17	74.00	-8.83
2492.36	Average	49.61	-3.41	46.20	54.00	-7.80
2492.36	Peak	61.91	-3.41	58.50	74.00	-15.50

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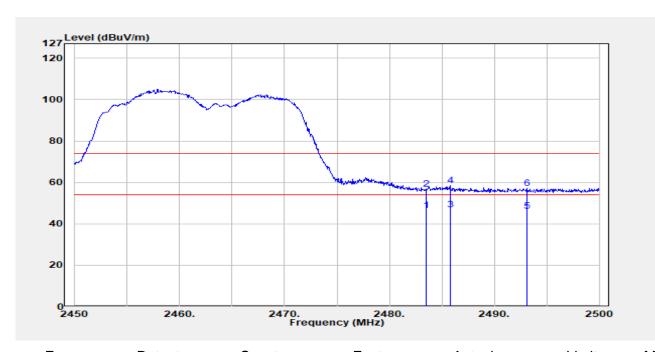
Page: 115 of 181

Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11ax20
 Test Date
 :2023-11-08

 Test Frequency
 :2462 MHz
 Temp./Humi.
 :23.9℃/58%

Test Mode :Bandedge Antenna Pol. :Vertical EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	50.08	-3.45	46.63	54.00	-7.37
2483.50	Peak	60.23	-3.45	56.78	74.00	-17.22
2485.80	Average	50.14	-3.44	46.70	54.00	-7.30
2485.80	Peak	61.96	-3.44	58.52	74.00	-15.48
2493.15	Average	49.52	-3.41	46.11	54.00	-7.89
2493.15	Peak	60.71	-3.41	57.30	74.00	-16.70

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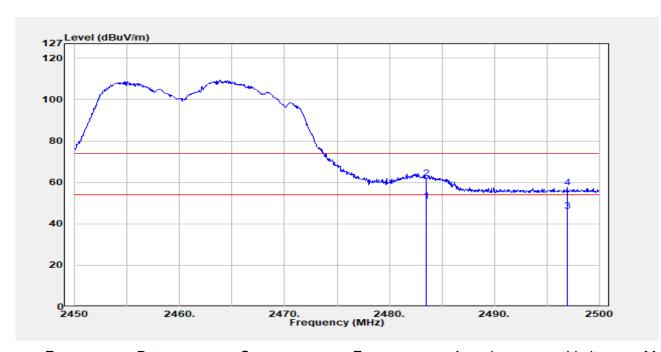
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11ax20
 Test Date
 :2023-11-08

 Test Frequency
 :2462 MHz
 Temp./Humi.
 :23.9°C/58%

Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.37	-3.45	50.92	54.00	-3.08
2483.50	Peak	65.40	-3.45	61.95	74.00	-12.05
2496.95	Average	49.50	-3.39	46.11	54.00	-7.89
2496.95	Peak	60.76	-3.39	57.37	74.00	-16.63

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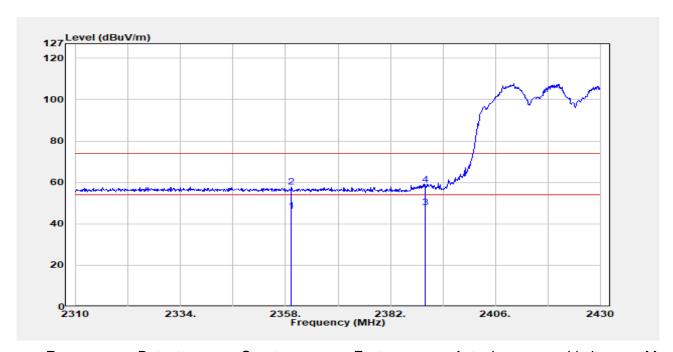
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2023-11-28

Test Frequency :2422 MHz Temp./Humi. :23.6℃/53%

Test Mode :Bandedge Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2359.32	Average	49.52	-3.26	46.26	54.00	-7.74
2359.32	Peak	60.95	-3.26	57.69	74.00	-16.31
2390.00	Average	51.42	-3.42	48.00	54.00	-6.00
2390.00	Peak	62.34	-3.42	58.92	74.00	-15.08

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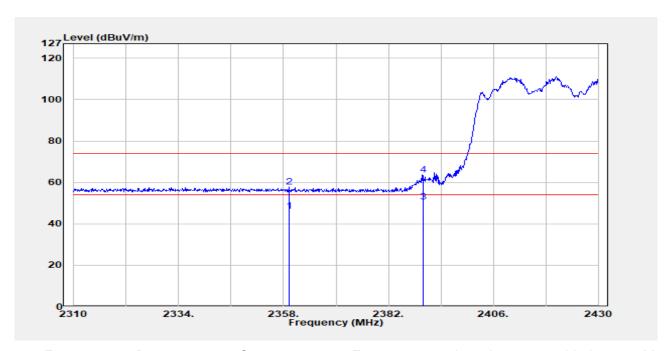
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax40 **Test Frequency** Temp./Humi. :23.6°C/53% :2422 MHz

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Detector	Spectrum	Factor	Actual	Limit	Margin
Mode	Reading Level		FS	@3m	
PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
Average	49.53	-3.26	46.27	54.00	-7.73
Peak	61.07	-3.26	57.81	74.00	-16.19
Average	53.88	-3.42	50.46	54.00	-3.54
Peak	66.99	-3.42	63.57	74.00	-10.43
	Mode PK/QP/AV  Average Peak Average	Mode Reading Level PK/QP/AV dBμV  Average 49.53 Peak 61.07 Average 53.88	Mode PK/QP/AV         Reading Level dBμV         dB           Average Peak 61.07         -3.26 -3.26 -3.26 -3.42	Mode PK/QP/AV         Reading Level dBμV         FS dBμV/m           Average Peak 61.07 -3.26 Average 53.88 -3.42         46.27 57.81 50.46	Mode PK/QP/AV         Reading Level dB μV         FS dB μV/m         @3m dB μV/m           Average 49.53         -3.26         46.27         54.00           Peak 61.07         -3.26         57.81         74.00           Average 53.88         -3.42         50.46         54.00

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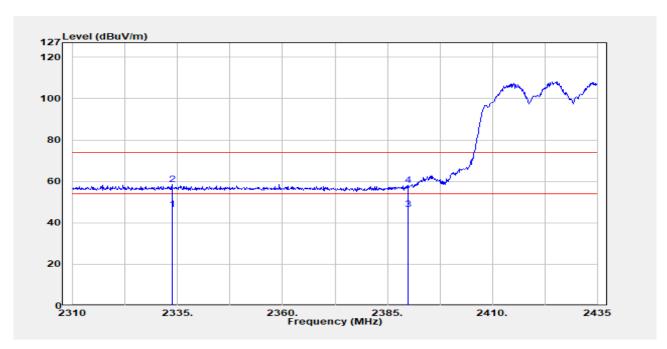
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax40

**Test Frequency** :2427 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
 MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2333.63	Average	49.60	-3.18	46.42	54.00	-7.58
2333.63	Peak	61.82	-3.18	58.63	74.00	-15.37
2390.00	Average	50.01	-3.42	46.59	54.00	-7.41
2390.00	Peak	61.52	-3.42	58.10	74.00	-15.90

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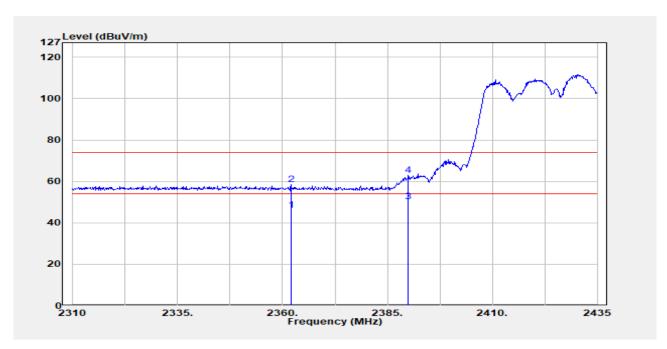
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11ax40
 Test Date
 :2023-11-28

 Test Frequency
 :2427 MHz
 Temp./Humi.
 :23.6 ℃/53%

Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2362.00	Average	49.49	-3.27	46.22	54.00	-7.78
2362.00	Peak	61.62	-3.27	58.34	74.00	-15.66
2390.00	Average	53.80	-3.42	50.38	54.00	-3.62
2390.00	Peak	66.24	-3.42	62.82	74.00	-11.18

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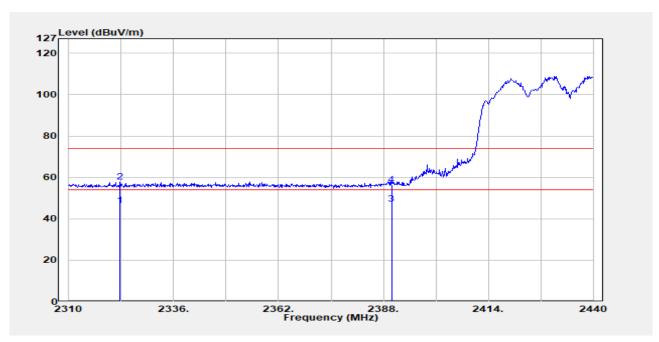
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11ax40
 Test Date
 :2023-11-28

 Test Frequency
 :2432 MHz
 Temp./Humi.
 :23.6℃/53%

Test Mode :Bandedge Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2322.74	Average	49.54	-3.17	46.37	54.00	-7.63
2322.74	Peak	60.91	-3.17	57.74	74.00	-16.26
2390.00	Average	50.61	-3.42	47.19	54.00	-6.81
2390.00	Peak	59.98	-3.42	56.56	74.00	-17.44

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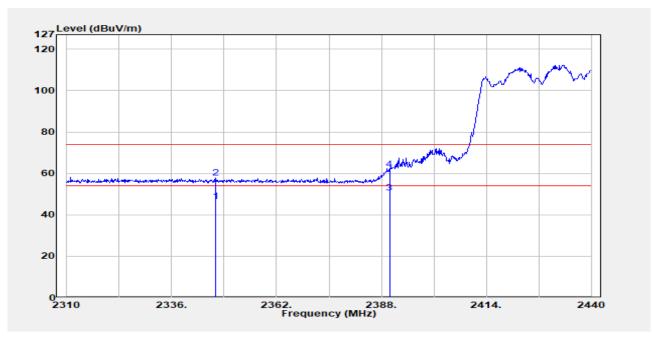
Page: 122 of 181

Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax40 **Test Frequency** :2432 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2346.79	Average	49.65	-3.20	46.45	54.00	-7.55
2346.79	Peak	61.08	-3.20	57.87	74.00	-16.13
2390.00	Average	54.00	-3.42	50.58	54.00	-3.42
2390.00	Peak	65.30	-3.42	61.88	74.00	-12.12

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Test Mode

Report No.: TERF2310002604ER

:Vertical

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Antenna Pol.

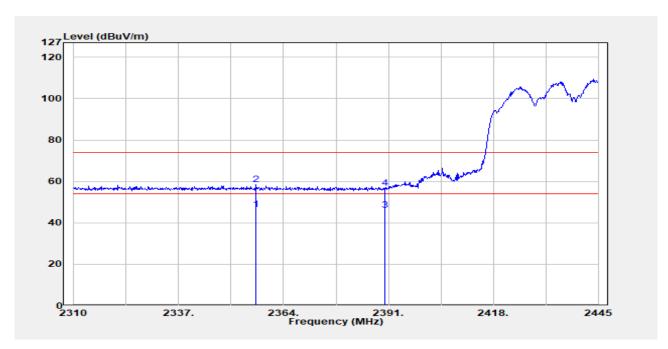
Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-28 :802.11ax40

**Test Frequency** :2437 MHz Temp./Humi. :23.6°C/53%

**EUT Pol** :H Plane :WJ Lin Engineer

:Bandedge



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2	356.98	Average	49.58	-3.25	46.33	54.00	-7.67
2	356.98	Peak	61.65	-3.25	58.41	74.00	-15.59
2	390.00	Average	49.63	-3.42	46.21	54.00	-7.79
2	390.00	Peak	60.11	-3.42	56.69	74.00	-17.31

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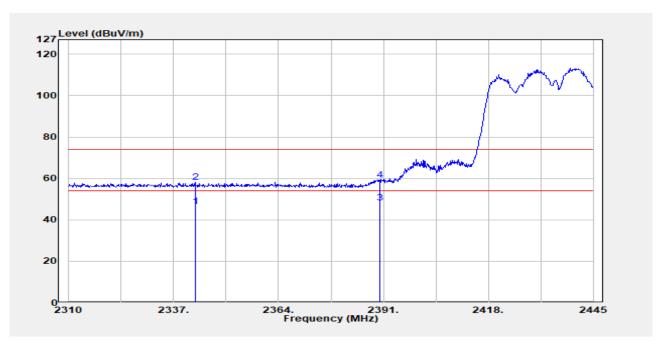
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax40 **Test Frequency** :2437 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2342.54	Average	49.68	-3.20	46.48	54.00	-7.52
2342.54	Peak	61.29	-3.20	58.09	74.00	-15.91
2390.00	Average	51.55	-3.42	48.13	54.00	-5.87
2390.00	Peak	62.56	-3.42	59.15	74.00	-14.85

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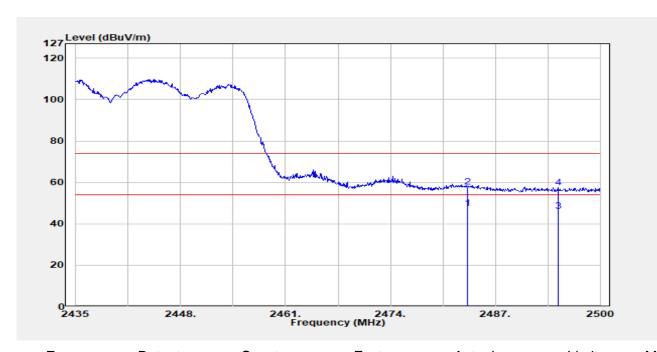
Page: 125 of 181

Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-28 Operation Mode :802.11ax40 **Test Frequency** :2437 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	50.95	-3.45	47.50	54.00	-6.50
2483.50	Peak	61.20	-3.45	57.75	74.00	-16.25
2494.80	Average	49.59	-3.40	46.19	54.00	-7.81
2494.80	Peak	61.02	-3.40	57.62	74.00	-16.38

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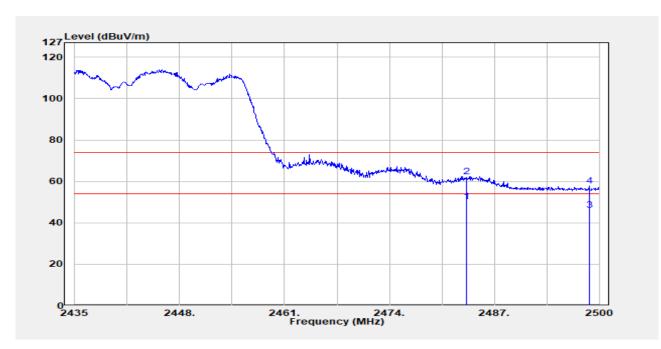
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax40 **Test Frequency** :2437 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	53.62	-3.45	50.17	54.00	-3.83
2483.50	Peak	65.80	-3.45	62.36	74.00	-11.64
2498.77	Average	49.55	-3.38	46.17	54.00	-7.83
2498.77	Peak	61.19	-3.38	57.80	74.00	-16.20

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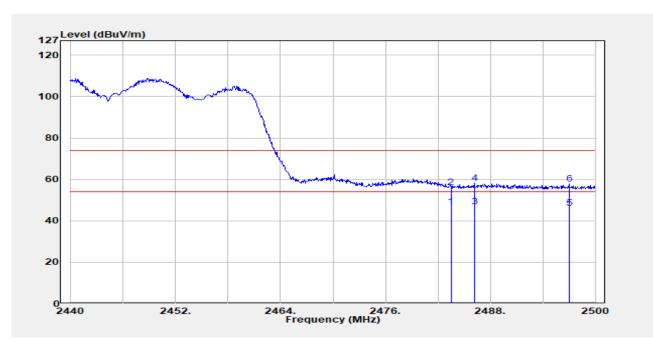


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-28 Operation Mode :802.11ax40 **Test Frequency** :2442 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical **EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
2483.50	Average	50.21	-3.45	46.76	54.00	-7.24
2483.50	Peak	59.67	-3.45	56.22	74.00	-17.78
2486.20	Average	50.17	-3.44	46.73	54.00	-7.27
2486.20	Peak	61.46	-3.44	58.03	74.00	-15.97
2497.00	Average	49.53	-3.39	46.14	54.00	-7.86
2497.00	Peak	61.35	-3.39	57.96	74.00	-16.04

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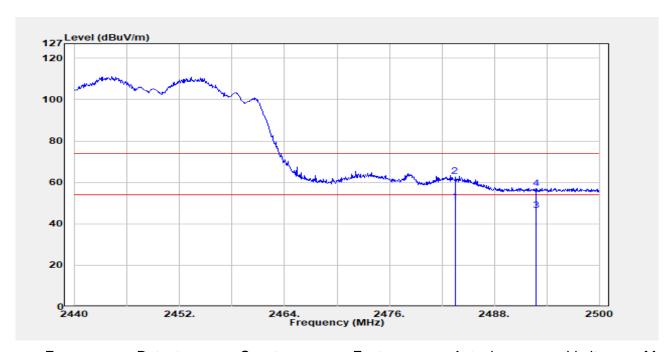
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11ax40
 Test Date
 :2023-11-28

 Test Frequency
 :2442 MHz
 Temp./Humi.
 :23.6℃/53%

Test Mode :Bandedge Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.00	-3.45	50.55	54.00	-3.45
2483.50	Peak	66.43	-3.45	62.98	74.00	-11.02
2492.74	Average	49.86	-3.41	46.45	54.00	-7.55
2492.74	Peak	60.57	-3.41	57.16	74.00	-16.84

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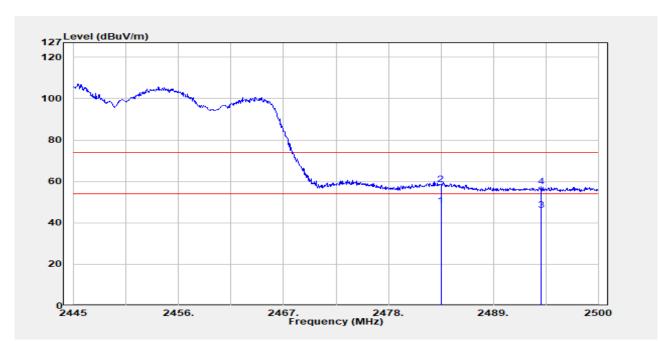
Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-28 Operation Mode :802.11ax40

**Test Frequency** :2447 MHz Temp./Humi. :23.6°C/53%

Test Mode :Bandedge Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
	2483.50	Average	51.58	-3.45	48.13	54.00	-5.87
	2483.50	Peak	62.07	-3.45	58.63	74.00	-15.37
	2494.06	Average	49.57	-3.40	46.17	54.00	-7.83
	2494.06	Peak	60.73	-3.40	57.33	74.00	-16.67

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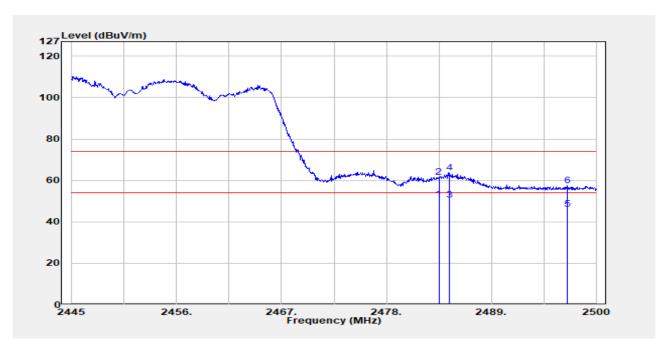


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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-28 :802.11ax40 **Test Frequency** :2447 MHz Temp./Humi. :23.6°C/53% Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.28	-3.45	50.83	54.00	-3.17
2483.50	Peak	65.08	-3.45	61.63	74.00	-12.37
2484.60	Average	54.20	-3.44	50.76	54.00	-3.24
2484.60	Peak	67.16	-3.44	63.72	74.00	-10.28
2496.98	Average	49.61	-3.39	46.22	54.00	-7.78
2496.98	Peak	60.81	-3.39	57.42	74.00	-16.58

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Test Mode

Report No.: TERF2310002604ER

:Vertical

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Antenna Pol.

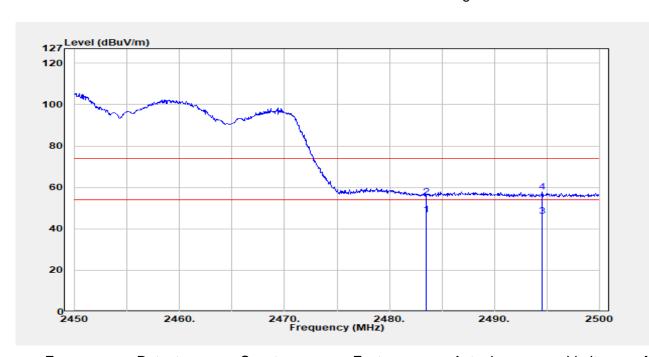
Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-28 Operation Mode :802.11ax40

**Test Frequency** Temp./Humi. :23.6°C/53% :2452 MHz

**EUT Pol** :H Plane :WJ Lin Engineer

:Bandedge



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	50.26	-3.45	46.81	54.00	-7.19
2483.50	Peak	59.00	-3.45	55.56	74.00	-18.44
2494.60	Average	49.55	-3.40	46.15	54.00	-7.85
2494.60	Peak	61.16	-3.40	57.76	74.00	-16.24

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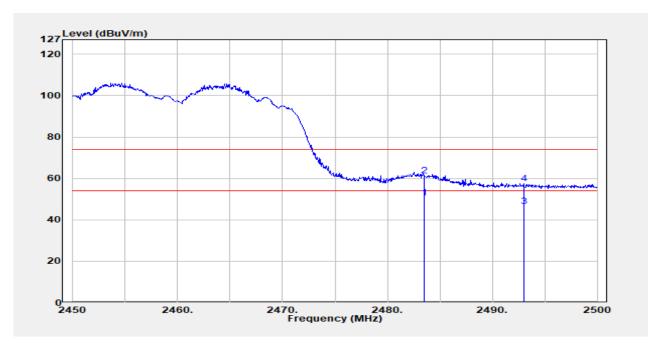
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:2023-11-28 **Test Date** Operation Mode :802.11ax40 **Test Frequency** Temp./Humi. :23.6°C/53% :2452 MHz

Test Mode :Bandedge Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
2483.50	Average	54.13	-3.45	50.68	54.00	-3.32
2483.50	Peak	64.59	-3.45	61.14	74.00	-12.86
2493.00	Average	49.95	-3.41	46.54	54.00	-7.46
2493.00	Peak	61.00	-3.41	57.59	74.00	-16.41

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## 11.6.2 Spurious Emission:

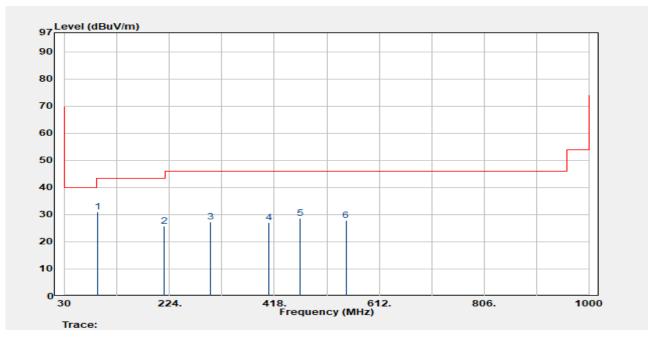
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11g
 Test Date
 :2023-11-14

 Test Frequency
 :2437 MHz
 Temp./Humi.
 :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dΒμV/m	dB
91.17	Peak	46.04	-15.01	31.03	43.50	-12.47
213.51	Peak	39.66	-13.88	25.77	43.50	-17.73
298.96	Peak	36.69	-9.33	27.36	46.00	-18.64
408.68	Peak	33.62	-6.59	27.03	46.00	-18.97
465.97	Peak	34.68	-6.00	28.67	46.00	-17.33
550.44	Peak	32.22	-4.28	27.93	46.00	-18.07

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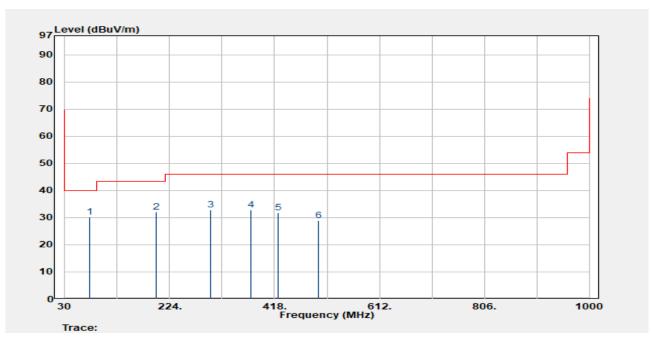
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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11g Test Date :2023-11-14
Test Frequency :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
76.61	Peak	47.57	-17.36	30.21	40.00	-9.79
198.95	Peak	45.99	-13.84	32.15	43.50	-11.35
299.93	Peak	42.12	-9.33	32.79	46.00	-13.21
374.69	Peak	40.66	-7.89	32.78	46.00	-13.22
425.19	Peak	38.05	-6.17	31.88	46.00	-14.12
499.95	Peak	34.51	-5.52	28.99	46.00	-17.01

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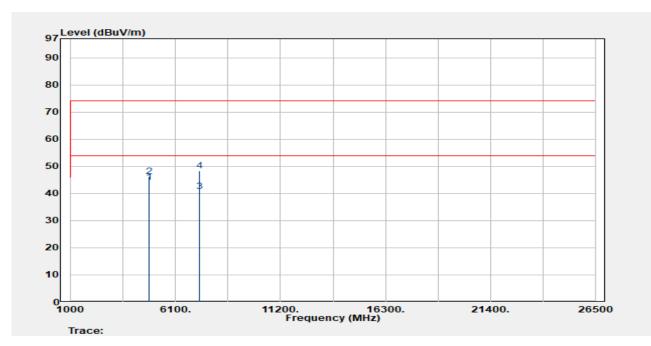
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11b
 Test Date
 :2023-11-14

 Test Frequency
 :2412 MHz
 Temp./Humi.
 :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dBμV/m	dB
4824.00	Average	42.12	1.95	44.07	54.00	-9.93
4824.00	Peak	44.23	1.95	46.18	74.00	-27.82
7236.00	Average	33.23	7.54	40.77	54.00	-13.23
7236.00	Peak	40.76	7.54	48.30	74.00	-25.70

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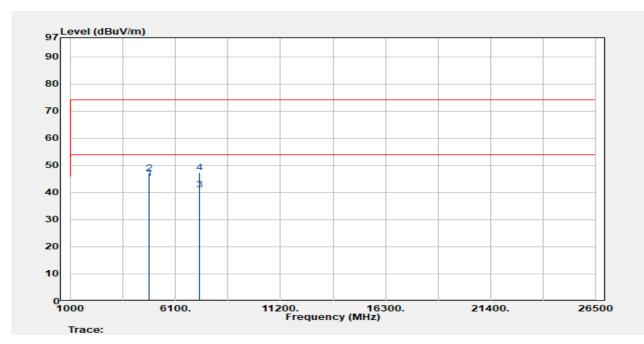
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-14 Operation Mode :802.11b **Test Frequency** :2412 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4824.00	Average	43.21	1.95	45.16	54.00	-8.84
4824.00	Peak	45.11	1.95	47.06	74.00	-26.94
7236.00	Average	33.37	7.54	40.91	54.00	-13.09
7236.00	Peak	39.78	7.54	47.32	74.00	-26.68

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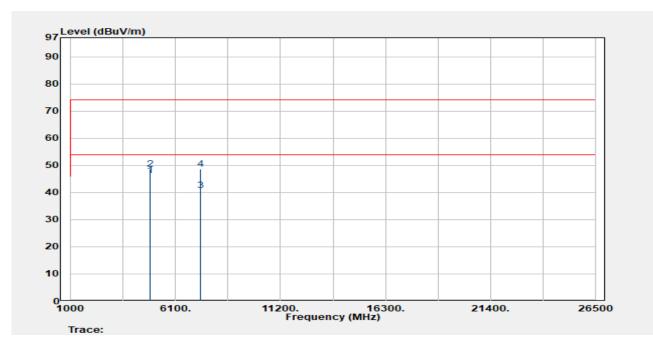
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11b
 Test Date
 :2023-11-14

 Test Frequency
 :2437 MHz
 Temp./Humi.
 :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
4874.00	Average	44.19	2.08	46.27	54.00	-7.73
4874.00	Peak	46.56	2.08	48.64	74.00	-25.36
7311.00	Average	33.15	7.66	40.81	54.00	-13.19
7311.00	Peak	40.90	7.66	48.56	74.00	-25.44

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Test Mode

:Tx

Report No.: TERF2310002604ER

:Horizontal

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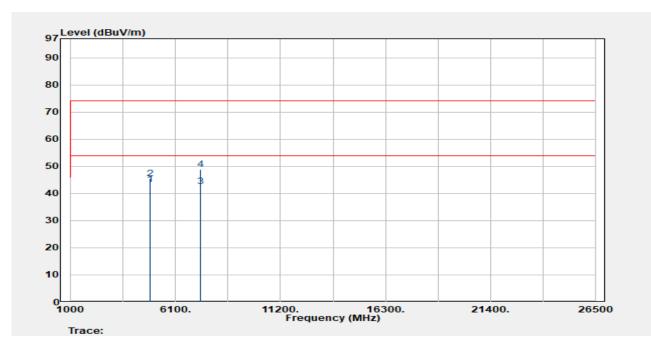
Antenna Pol.

Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-14 Operation Mode :802.11b

**Test Frequency** :2437 MHz Temp./Humi. :24.9°C/61%

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	41.21	2.08	43.29	54.00	-10.71
4874.00	Peak	43.39	2.08	45.47	74.00	-28.53
7311.00	Average	34.83	7.66	42.49	54.00	-11.51
7311.00	Peak	41.31	7.66	48.97	74.00	-25.03

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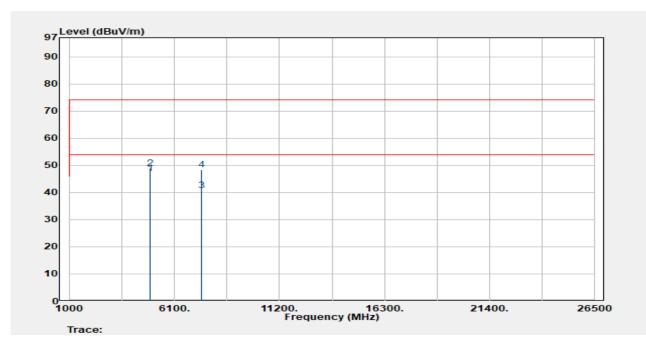
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Test Date** :2023-11-14 Operation Mode :802.11b **Test Frequency** :2462 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	44.78	2.20	46.98	54.00	-7.02
4924.00	Peak	46.65	2.20	48.85	74.00	-25.15
7386.00	Average	33.03	7.75	40.78	54.00	-13.22
7386.00	Peak	40.51	7.75	48.26	74.00	-25.74

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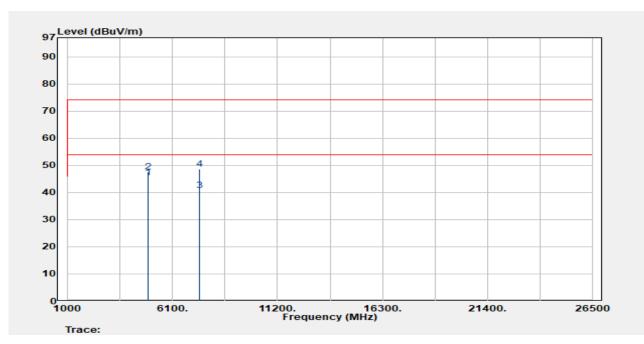
Page: 140 of 181

Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11b Test Date :2023-11-14

Test Frequency :2462 MHz Temp./Humi. :24.9 $^{\circ}$ C/61 $^{\circ}$ C Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	43.22	2.20	45.42	54.00	-8.58
4924.00	Peak	45.31	2.20	47.51	74.00	-26.49
7386.00	Average	32.97	7.75	40.72	54.00	-13.28
7386.00	Peak	40.85	7.75	48.60	74.00	-25.40

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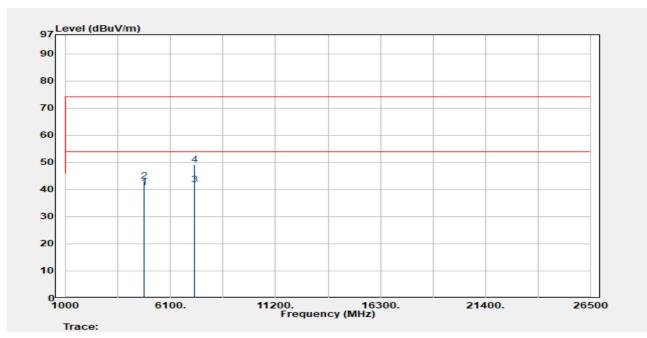
Page: 141 of 181

Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11g Test Date :2023-11-14
Test Frequency :2412 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	38.92	1.95	40.87	54.00	-13.13
4824.00	Peak	41.19	1.95	43.14	74.00	-30.86
7236.00	Average	34.18	7.54	41.72	54.00	-12.28
7236.00	Peak	41.71	7.54	49.25	74.00	-24.75

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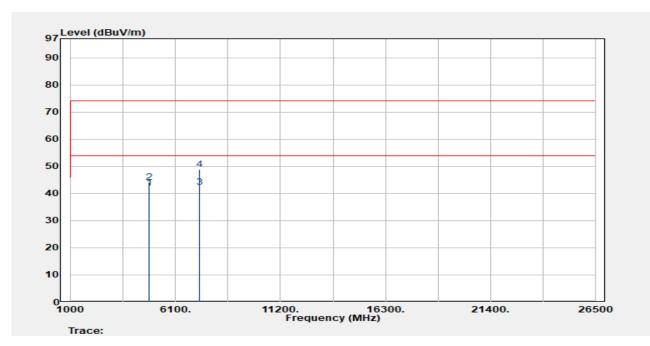
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11g
 Test Date
 :2023-11-14

 Test Frequency
 :2412 MHz
 Temp./Humi.
 :24.9 °C/61%

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4824.00	Average	40.17	1.95	42.12	54.00	-11.88
4824.00	Peak	42.33	1.95	44.28	74.00	-29.72
7236.00	Average	34.76	7.54	42.30	54.00	-11.70
7236.00	Peak	41.45	7.54	48.99	74.00	-25.01

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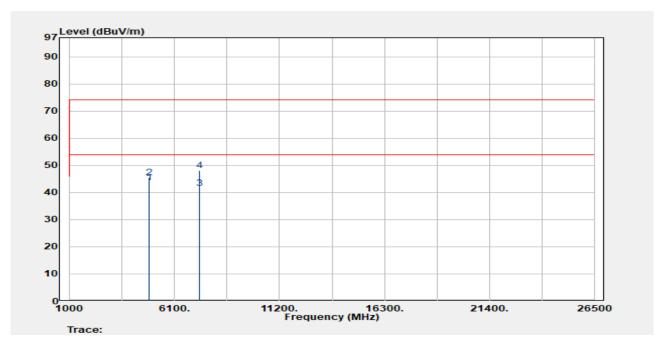
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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11g Test Date :2023-11-14
Test Frequency :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	41.62	2.08	43.70	54.00	-10.30
4874.00	Peak	43.36	2.08	45.44	74.00	-28.56
7311.00	Average	33.76	7.66	41.42	54.00	-12.58
7311.00	Peak	40.41	7.66	48.07	74.00	-25.93

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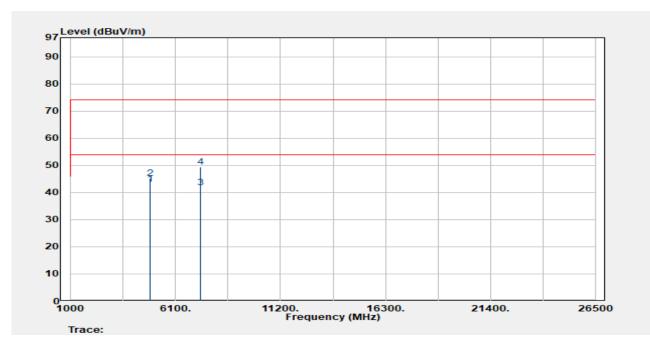
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-14 :802.11g **Test Frequency** :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	41.07	2.08	43.15	54.00	-10.85
4874.00	Peak	43.10	2.08	45.18	74.00	-28.82
7311.00	Average	34.12	7.66	41.78	54.00	-12.22
7311.00	Peak	41.72	7.66	49.38	74.00	-24.62

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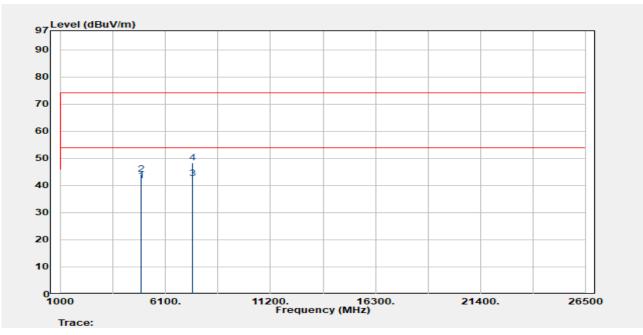
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11g
 Test Date
 :2023-11-14

 Test Frequency
 :2462 MHz
 Temp./Humi.
 :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	39.72	2.20	41.92	54.00	-12.08
4924.00	Peak	41.88	2.20	44.07	74.00	-29.93
7386.00	Average	34.91	7.75	42.66	54.00	-11.34
7386.00	Peak	40.66	7.75	48.41	74.00	-25.59

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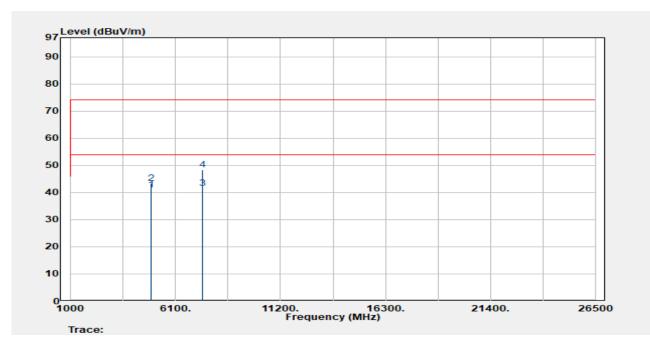
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-14 :802.11g **Test Frequency** :2462 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	38.79	2.20	40.99	54.00	-13.01
4924.00	Peak	41.29	2.20	43.49	74.00	-30.51
7386.00	Average	33.67	7.75	41.42	54.00	-12.58
7386.00	Peak	40.68	7.75	48.43	74.00	-25.57

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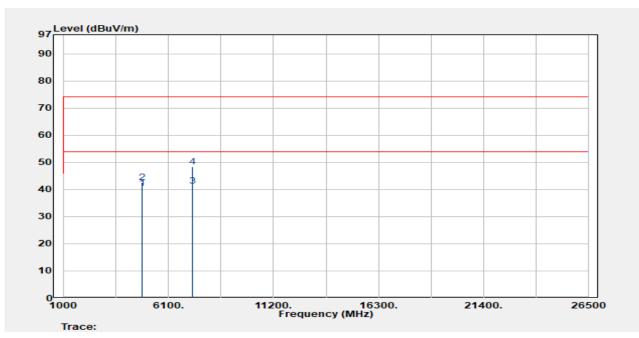
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode** :802.11n20 **Test Date** :2023-11-14 **Test Frequency** :2412 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	38.41	1.95	40.36	54.00	-13.64
4824.00	Peak	40.60	1.95	42.55	74.00	-31.45
7236.00	Average	33.61	7.54	41.15	54.00	-12.85
7236.00	Peak	40.73	7.54	48.27	74.00	-25.73

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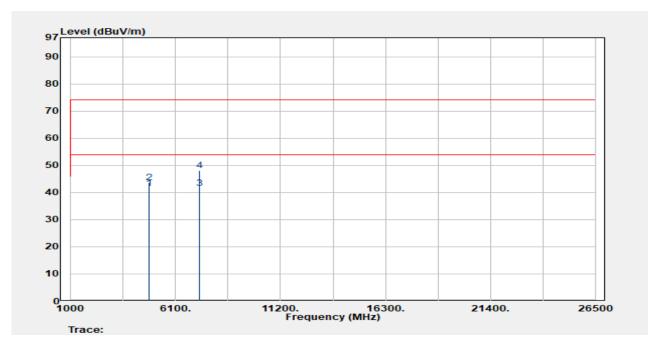


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Report Number :TERF2310002604ER Test Site :SAC 1

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4824.00	Average	39.48	1.95	41.43	54.00	-12.57
4824.00	Peak	41.59	1.95	43.54	74.00	-30.46
7236.00	Average	33.96	7.54	41.50	54.00	-12.50
7236.00	Peak	40.55	7.54	48.09	74.00	-25.91

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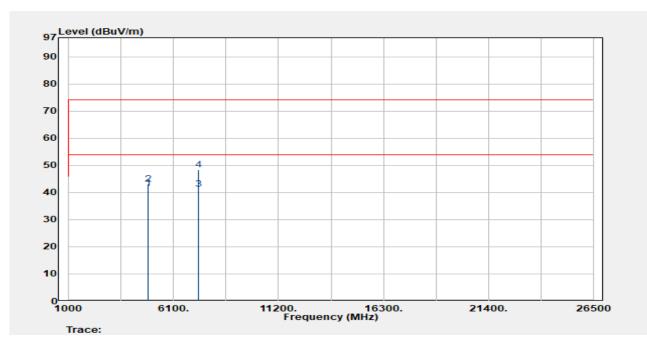
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11n20
 Test Date
 :2023-11-14

 Test Frequency
 :2437 MHz
 Temp./Humi.
 :24.9℃/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4874.00	Average	39.47	2.08	41.55	54.00	-12.45
4874.00	Peak	41.13	2.08	43.21	74.00	-30.79
7311.00	Average	33.56	7.66	41.22	54.00	-12.78
7311.00	Peak	40.61	7.66	48.26	74.00	-25.74

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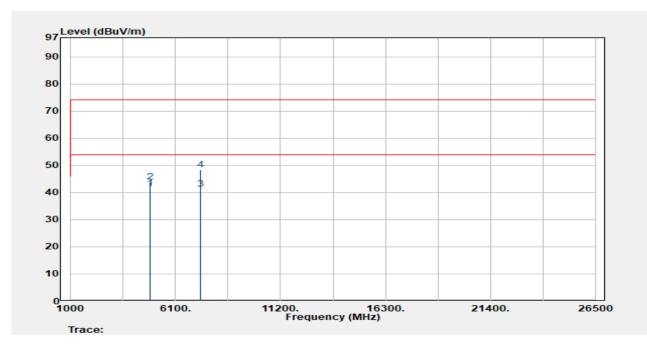
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2023-11-14

Test Frequency :2437 MHz Temp./Humi. :24.9℃/61%

Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	39.52	2.08	41.60	54.00	-12.40
4874.00	Peak	41.95	2.08	44.03	74.00	-29.97
7311.00	Average	33.67	7.66	41.33	54.00	-12.67
7311.00	Peak	40.81	7.66	48.47	74.00	-25.53

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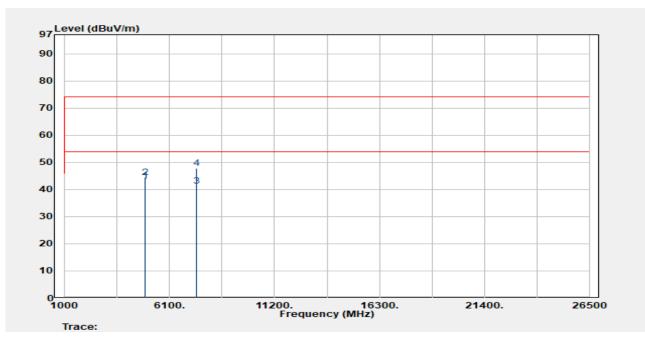
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11n20
 Test Date
 :2023-11-14

 Test Frequency
 :2462 MHz
 Temp./Humi.
 :24.9℃/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4924.00	Average	40.99	2.20	43.19	54.00	-10.81
4924.00	Peak	42.14	2.20	44.34	74.00	-29.66
7386.00	Average	33.43	7.75	41.18	54.00	-12.82
7386.00	Peak	40.20	7.75	47.95	74.00	-26.05

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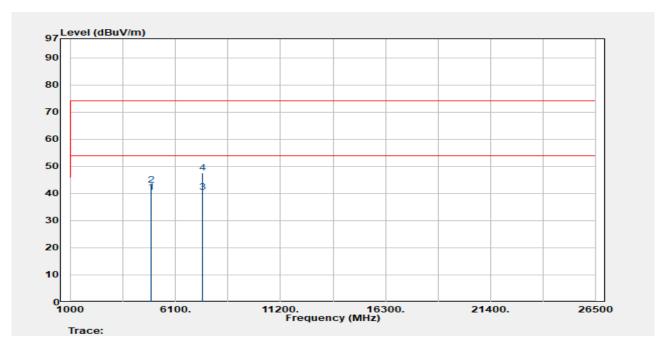
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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2023-11-14

Test Frequency :2462 MHz Temp./Humi. :24.9 $^{\circ}$ C/61 $^{\circ}$ C Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4924.00	Average	38.19	2.20	40.39	54.00	-13.61
4924.00	Peak	40.82	2.20	43.02	74.00	-30.98
7386.00	Average	32.62	7.75	40.37	54.00	-13.63
7386.00	Peak	39.80	7.75	47.55	74.00	-26.45

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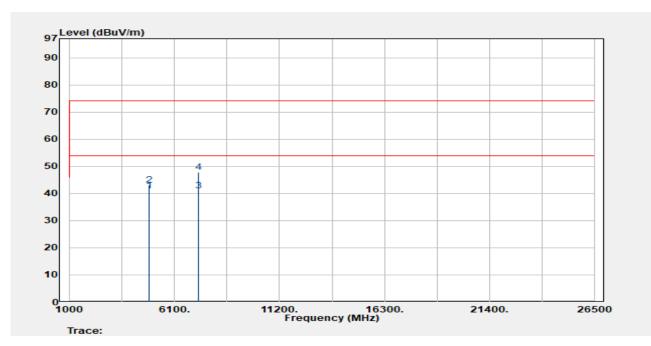
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

:802.11n40 **Test Date** :2023-11-14 Operation Mode **Test Frequency** :2422 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4844.00	Average	38.86	2.03	40.89	54.00	-13.11
4844.00	Peak	40.96	2.03	42.99	74.00	-31.01
7266.00	Average	33.43	7.59	41.02	54.00	-12.98
7266.00	Peak	40.30	7.59	47.89	74.00	-26.11

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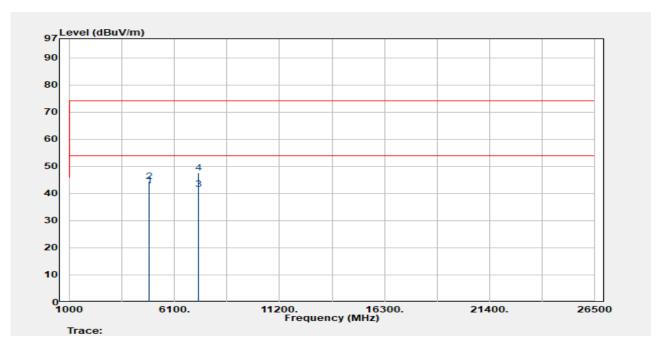
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Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode** :802.11n40 **Test Date** :2023-11-14 **Test Frequency** :2422 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
4844.00	Average	40.69	2.03	42.72	54.00	-11.28
4844.00	Peak	42.47	2.03	44.50	74.00	-29.50
7266.00	Average	33.91	7.59	41.50	54.00	-12.50
7266.00	Peak	40.09	7.59	47.68	74.00	-26.32

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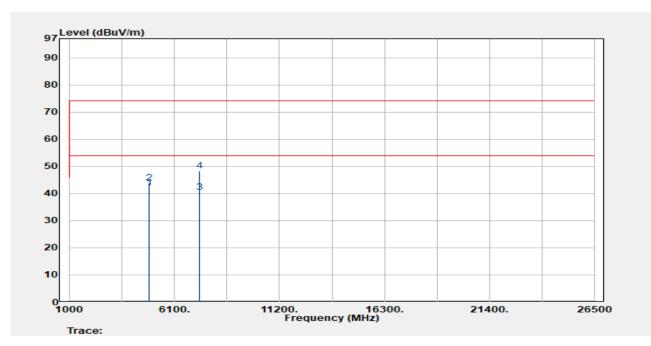
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11n40
 Test Date
 :2023-11-14

 Test Frequency
 :2437 MHz
 Temp./Humi.
 :24.9℃/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	39.95	2.08	42.03	54.00	-11.97
4874.00	Peak	41.92	2.08	44.00	74.00	-30.00
7311.00	Average	32.83	7.66	40.49	54.00	-13.51
7311.00	Peak	40.82	7.66	48.48	74.00	-25.52

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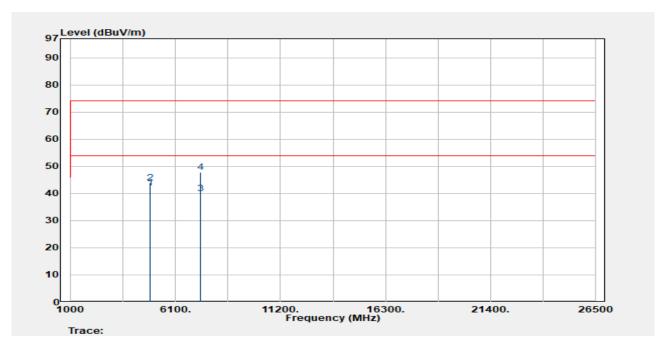
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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2023-11-14

Test Frequency :2437 MHz Temp./Humi. :24.9℃/61% Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dBμV/m	dB
4874.00	Average	39.93	2.08	42.01	54.00	-11.99
4874.00	Peak	41.73	2.08	43.81	74.00	-30.19
7311.00	Average	32.25	7.66	39.91	54.00	-14.09
7311.00	Peak	40.11	7.66	47.77	74.00	-26.23

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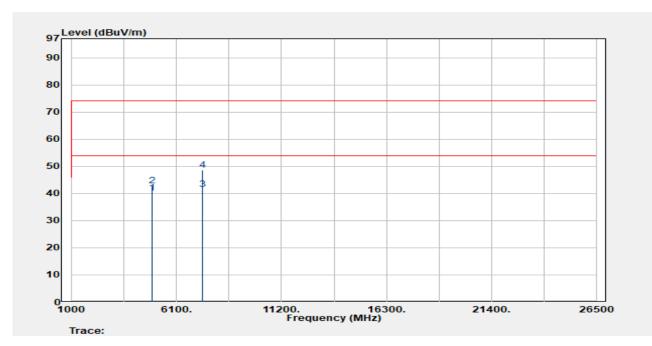
Report Number :TERF2310002604ER Test Site :SAC 1

 Operation Mode
 :802.11n40
 Test Date
 :2023-11-14

 Test Frequency
 :2452 MHz
 Temp./Humi.
 :24.9℃/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4904.00	Average	38.02	2.12	40.14	54.00	-13.86
4904.00	Peak	40.71	2.12	42.83	74.00	-31.17
7356.00	Average	33.62	7.79	41.41	54.00	-12.59
7356.00	Peak	40.84	7.79	48.62	74.00	-25.38

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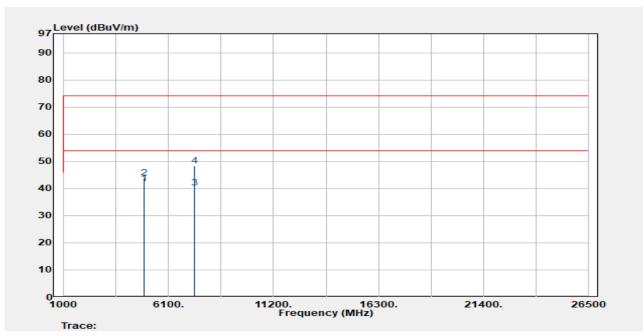
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Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11n40 Test Date :2023-11-14

Test Frequency :2452 MHz Temp./Humi. :24.9 $^{\circ}$ C/61 $^{\circ}$ C Test Mode :Tx Antenna Pol. :Horizontal

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4904.00	Average	39.57	2.12	41.69	54.00	-12.31
4904.00	Peak	41.70	2.12	43.82	74.00	-30.18
7356.00	Average	32.51	7.79	40.30	54.00	-13.70
7356.00	Peak	40.54	7.79	48.33	74.00	-25.67

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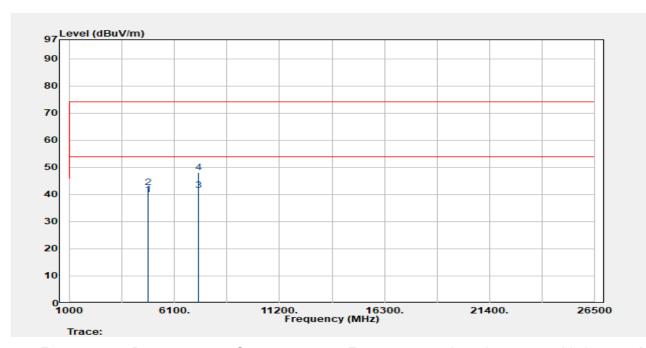
Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-14 :802.11ax20 RU Full

**Test Frequency** Temp./Humi. :24.9°C/61% :2412 MHz

Test Mode :Tx Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
4824.00	Average	38.11	1.95	40.06	54.00	-13.94
4824.00	Peak	40.58	1.95	42.53	74.00	-31.47
7236.00	Average	33.96	7.54	41.50	54.00	-12.50
7236.00	Peak	40.63	7.54	48.17	74.00	-25.83

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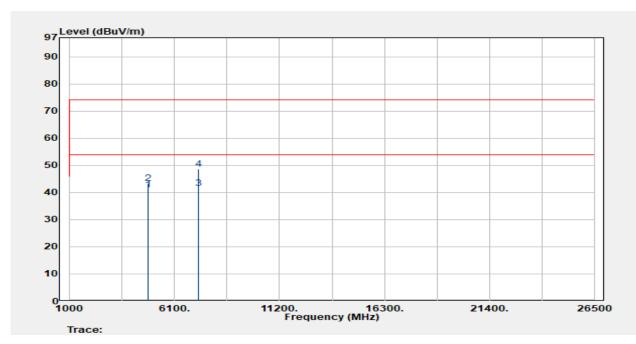
Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-14 :802.11ax20 RU Full

**Test Frequency** Temp./Humi. :24.9°C/61% :2412 MHz

Test Mode :Tx Antenna Pol. :Horizontal

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
4824.00	Average	39.01	1.95	40.96	54.00	-13.04
4824.00	Peak	41.55	1.95	43.50	74.00	-30.50
7236.00	Average	34.04	7.54	41.58	54.00	-12.42
7236.00	Peak	41.05	7.54	48.59	74.00	-25.41

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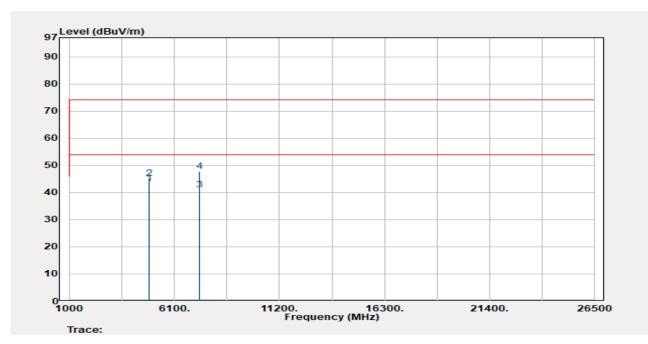
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax20 RU Full Test Date :2023-11-14

Test Frequency :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	41.22	2.08	43.30	54.00	-10.70
4874.00	Peak	43.22	2.08	45.30	74.00	-28.70
7311.00	Average	33.31	7.66	40.97	54.00	-13.03
7311.00	Peak	40.22	7.66	47.87	74.00	-26.13

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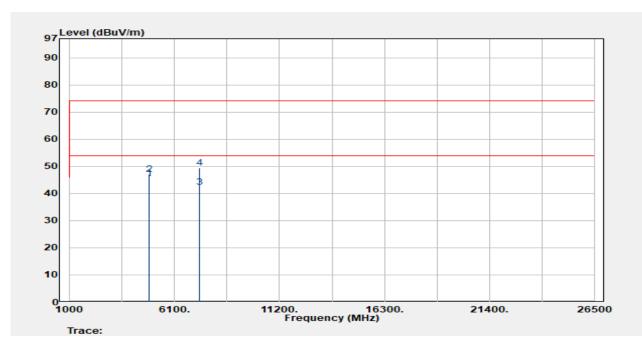
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax20 RU Full Test Date :2023-11-14

Test Frequency :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol.

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	43.49	2.08	45.57	54.00	-8.43
4874.00	Peak	45.02	2.08	47.10	74.00	-26.90
7311.00	Average	34.66	7.66	42.32	54.00	-11.68
7311.00	Peak	41.79	7.66	49.45	74.00	-24.55

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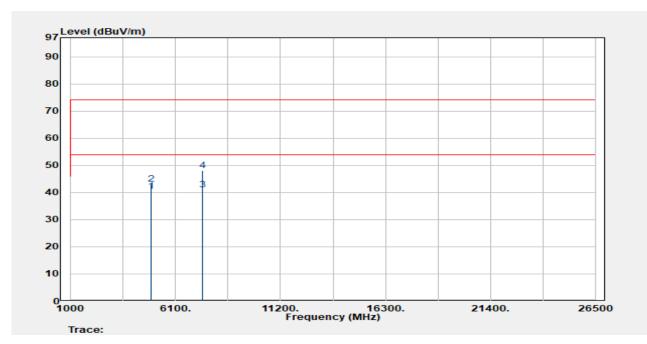
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax20 RU Full Test Date :2023-11-14

Test Frequency :2462 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	38.17	2.20	40.37	54.00	-13.63
4924.00	Peak	40.92	2.20	43.11	74.00	-30.89
7386.00	Average	33.22	7.75	40.97	54.00	-13.03
7386.00	Peak	40.41	7.75	48.17	74.00	-25.83

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Antenna Pol.

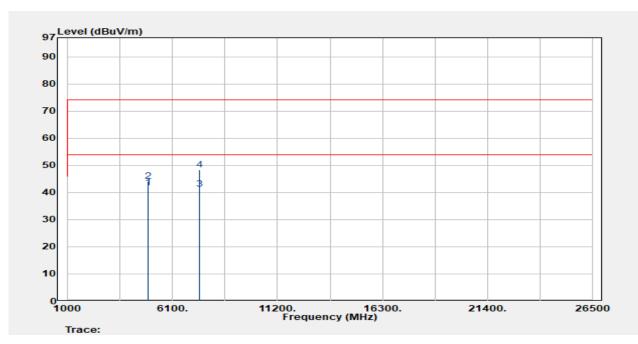
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax20 RU Full Test Date :2023-11-14

Test Frequency :2462 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4924.00	Average	39.57	2.20	41.77	54.00	-12.23
4924.00	Peak	41.86	2.20	44.06	74.00	-29.94
7386.00	Average	33.61	7.75	41.36	54.00	-12.64
7386.00	Peak	40.63	7.75	48.38	74.00	-25.62

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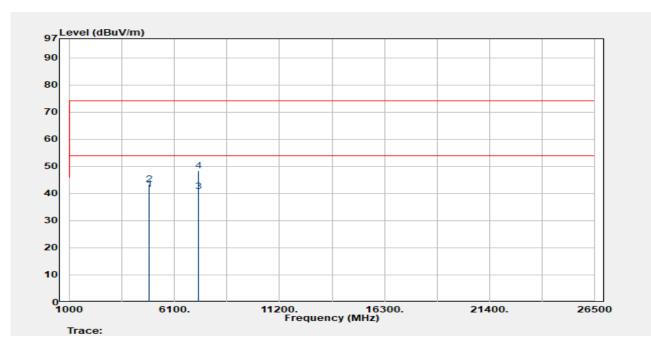
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax40 RU Full Test Date :2023-11-14

Test Frequency :2422 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4844.00	Average	39.48	2.03	41.51	54.00	-12.49
4844.00	Peak	41.37	2.03	43.40	74.00	-30.60
7266.00	Average	33.06	7.59	40.65	54.00	-13.35
7266.00	Peak	40.75	7.59	48.34	74.00	-25.66

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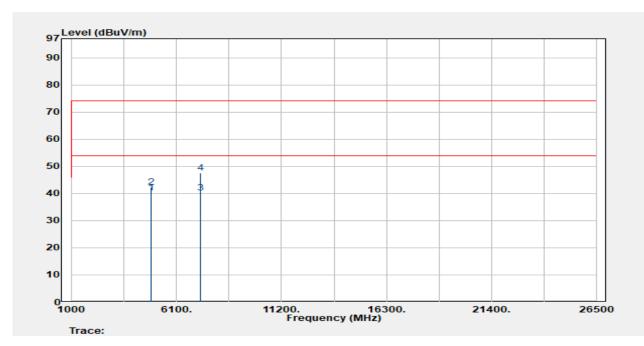
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Operation Mode :802.11ax40 RU Full Test Date :2023-11-14

Test Frequency :2422 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol.

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4844.00	Average	38.15	2.03	40.18	54.00	-13.82
4844.00	Peak	40.24	2.03	42.27	74.00	-31.73
7266.00	Average	32.73	7.59	40.32	54.00	-13.68
7266.00	Peak	39.95	7.59	47.53	74.00	-26.47

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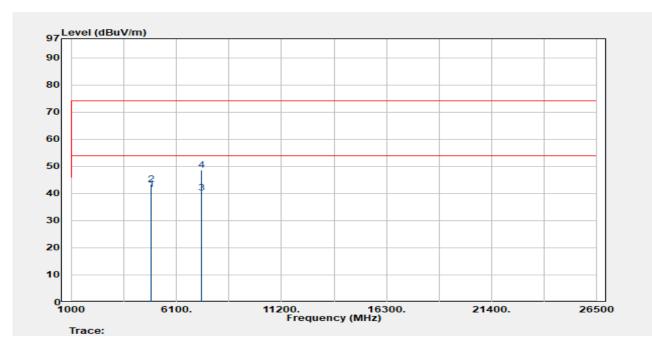
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Operation Mode :802.11ax40 RU Full Test Date :2023-11-14

Test Frequency :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol. :Vertical

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	39.46	2.08	41.54	54.00	-12.46
4874.00	Peak	41.34	2.08	43.42	74.00	-30.58
7311.00	Average	32.47	7.66	40.13	54.00	-13.87
7311.00	Peak	40.96	7.66	48.62	74.00	-25.38

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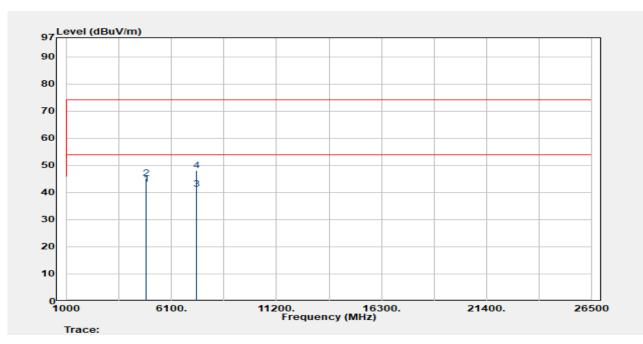
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax40 RU Full Test Date :2023-11-14

Test Frequency :2437 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol.

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4874.00	Average	41.02	2.08	43.10	54.00	-10.90
4874.00	Peak	43.15	2.08	45.23	74.00	-28.77
7311.00	Average	33.54	7.66	41.20	54.00	-12.80
7311.00	Peak	40.33	7.66	47.98	74.00	-26.02

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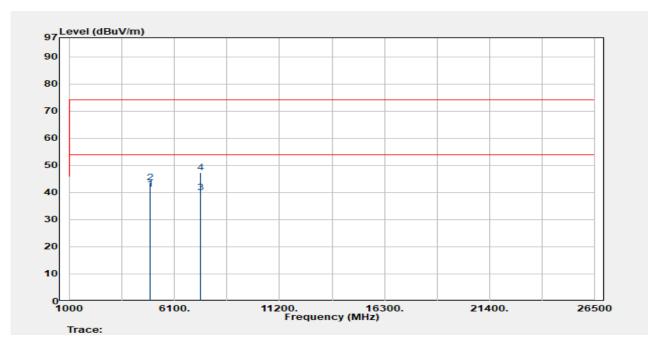
Report Number **Test Site** :SAC 1 :TERF2310002604ER

**Operation Mode Test Date** :2023-11-14 :802.11ax40 RU Full

**Test Frequency** Temp./Humi. :24.9°C/61% :2452 MHz

Test Mode :Tx Antenna Pol. :Vertical

**EUT Pol** :H Plane :WJ Lin Engineer



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4904.00	Average	39.23	2.12	41.35	54.00	-12.65
4904.00	Peak	41.43	2.12	43.55	74.00	-30.45
7356.00	Average	32.07	7.79	39.86	54.00	-14.14
7356.00	Peak	39.64	7.79	47.43	74.00	-26.57

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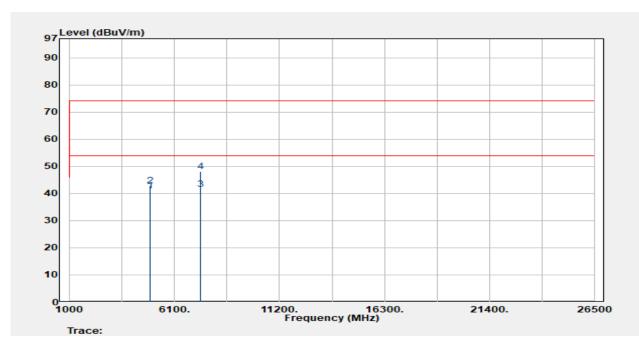
Report Number :TERF2310002604ER Test Site :SAC 1

Operation Mode :802.11ax40 RU Full Test Date :2023-11-14

Test Frequency :2452 MHz Temp./Humi. :24.9°C/61%

Test Mode :Tx Antenna Pol.

EUT Pol :H Plane Engineer :WJ Lin



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dΒμV	dB	dΒμV/m	dBμV/m	dB
4904.00	Average	38.97	2.12	41.09	54.00	-12.91
4904.00	Peak	40.63	2.12	42.76	74.00	-31.24
7356.00	Average	33.62	7.79	41.41	54.00	-12.59
7356.00	Peak	40.20	7.79	47.99	74.00	-26.01

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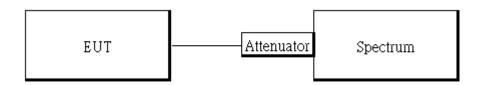
## 12 POWER SPECTRAL DENSITY

# 12.1 Standard Applicable

Per Part 15.247 (e) & RSS-247 section 5.2 b

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.
- 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:

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

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

### 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

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

Gk is the gain in dBi of the kth antenna.

The antenna gain is greater than 6 dBi and has been attenuated in the test result.

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# 12.5 Power spectral density

POWER DENSITY 802.11b							
Freq.	Ch0	Ch1	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)			
2412	-7.99	-7.06	-4.49	7.81	PASS		
2437	-5.78	-4.68	-2.18	7.81	PASS		
2462	-8.09	-6.94	-4.47	7.81	PASS		

POWER DENSITY 802.11g							
Freq.	Ch0	Ch1	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	Result		
2412	-13.73	-13.42	-10.56	7.81	PASS		
2437	-8.73	-8.81	-5.76	7.81	PASS		
2462	-13.63	-13.75	-10.68	7.81	PASS		

POWER DENSITY 802.11n HT20								
Freq.	Ch0	Ch1	PSD	Limit	Result			
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	Result			
2412	-12.63	-13.25	-9.92	7.81	PASS			
2437	-8.62	-9.55	-6.05	7.81	PASS			
2462	-16.64	-15.92	-13.25	7.81	PASS			

POWER DENSITY 802.11n HT40							
Freq.	Ch0	Ch1	PSD	Limit	Result		
(MHz)	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)			
2422	-15.37	-16.37	-12.83	7.81	PASS		
2437	-10.96	-10.93	-7.93	7.81	PASS		
2452	-20.67	-19.57	-17.07	7.81	PASS		

POWER DENSITY 802.11ax HE20								
Freq.	RU Config	Ch0	Ch1	PSD	Limit	Result		
(MHz)	RU Conlig	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	Nesuit		
2412	full	-13.35	-13.99	-10.65	7.81	PASS		
2437	full	-9.29	-8.98	-6.12	7.81	PASS		
2462	full	-16.53	-16.45	-13.48	7.81	PASS		

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POWER DENSITY 802.11ax HE40								
Freq.	RU Config	Ch0	Ch1	PSD	Limit	Result		
(MHz)	KO Corning	PSD	PSD	(dBm/3kHz)	(dBm/3kHz)	Nesuit		
2422	full	-15.98	-14.84	-12.36	7.81	PASS		
2437	full	-11.56	-11.05	-8.29	7.81	PASS		
2452	full	-21.37	-20.67	-18.00	7.81	PASS		

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#### 802.11b\_20MHz\_Chain0\_2412MHz



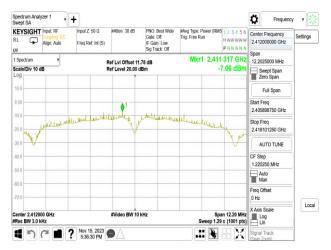
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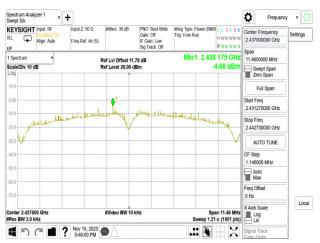
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802.11b\_20MHz\_Chain1\_2412MHz



802.11b\_20MHz\_Chain1\_2437MHz



802.11b\_20MHz\_Chain1\_2462MHz



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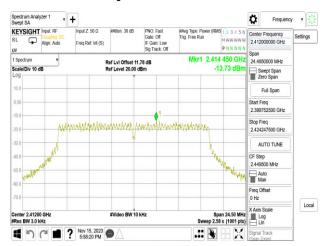
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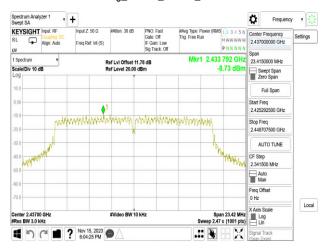


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#### 802.11g\_20MHz\_Chain0\_2412MHz



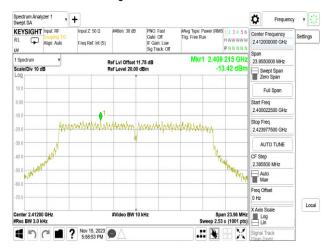
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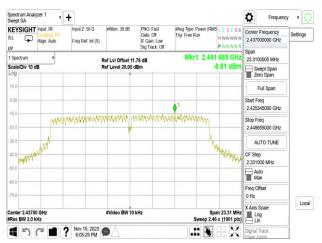
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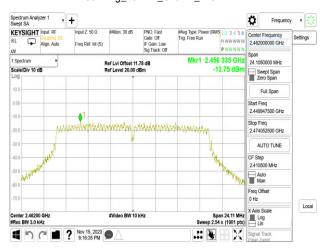
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802.11g\_20MHz\_Chain1\_2437MHz



802.11g\_20MHz\_Chain1\_2462MHz



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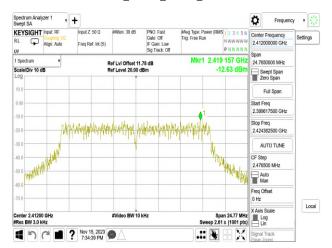
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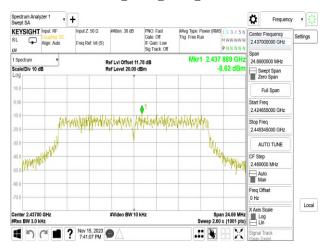


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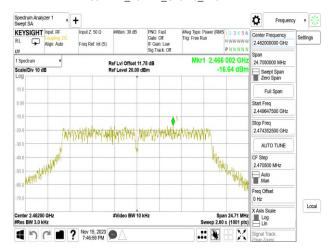
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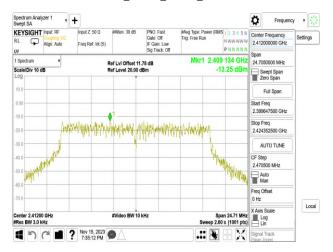
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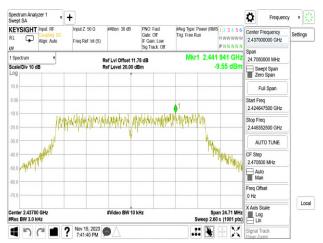
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802.11n\_20MHz\_Chain1\_2412MHz



802.11n\_20MHz\_Chain1\_2437MHz



802.11n\_20MHz\_Chain1\_2462MHz



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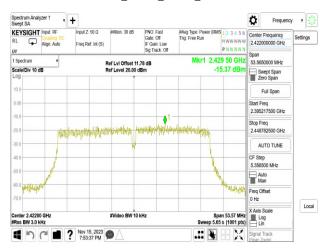
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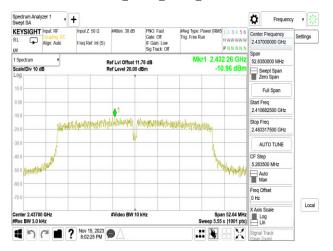


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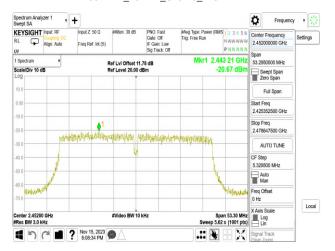
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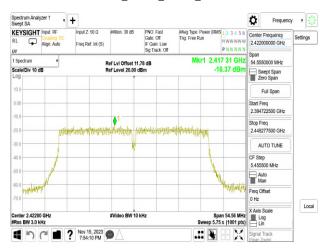
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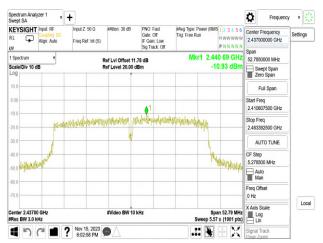
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802.11n\_40MHz\_Chain1\_2422MHz



802.11n\_40MHz\_Chain1\_2437MHz



802.11n\_40MHz\_Chain1\_2452MHz



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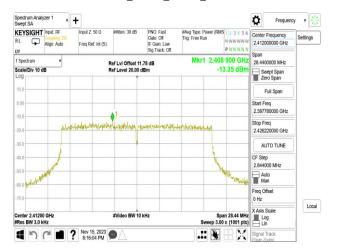
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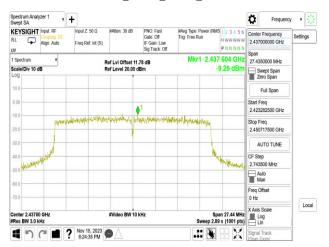


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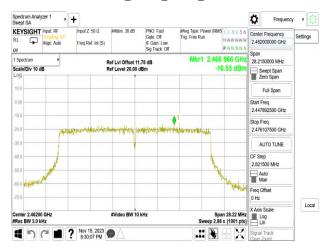
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802.11ax 20MHz Chain0 2437MHz



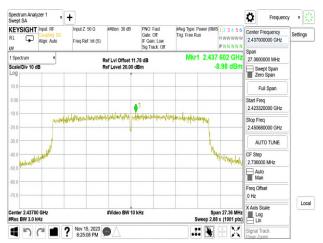
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802.11ax\_20MHz\_Chain1\_2412MHz



802.11ax\_20MHz\_Chain1\_2437MHz



802.11ax\_20MHz\_Chain1\_2462MHz



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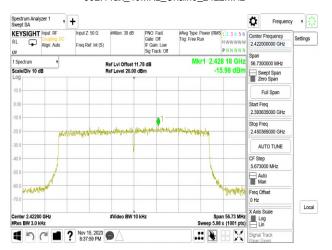
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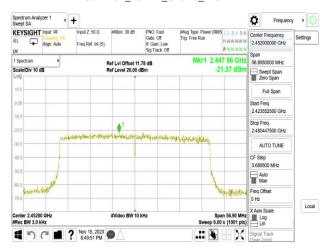
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802.11ax 40MHz Chain0 2437MHz



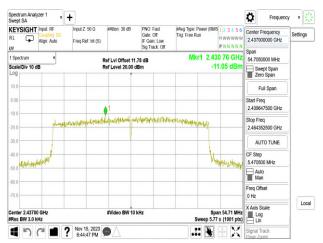
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802.11ax\_40MHz\_Chain1\_2422MHz



802.11ax\_40MHz\_Chain1\_2437MHz



802.11ax\_40MHz\_Chain1\_2452MHz



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# 13 ANTENNA REQUIREMENT

#### 13.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

#### 13.2 **Antenna Connected Construction:**

The antenna complies with this requirement and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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

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