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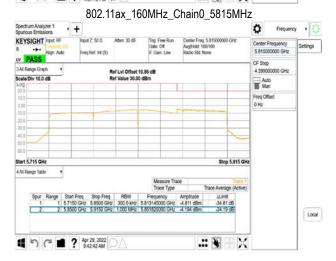
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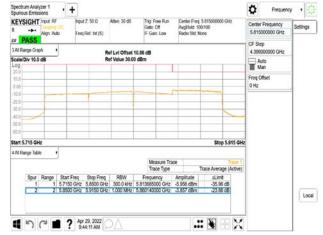
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802.11ax_160MHz_Chain1_5815MHz



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

Standard Applicable

 $EIRP = ((E^*d)^2) / 30$, where E is the field strength in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts.

11.1.1 5150~5850 MHz

Applicable	Operation	EIRP	Field Strength	
Applicable to	Freq. (MHz)	Freq. (MHz)	Limits (dBm/MHz)	@ 3m (dBµV/m)
15.407(b)(1)	5150~5250			
15.407(b)(2)	5250~5350			PK: 68.2
15.407(b)(3)	5475~5725	f ≤ 5470 f ≥ 5725	111. 27	110.00.2
	07(b)(4)(i) 5725~5850	at 75 MHz or more above or be- low the band edge	PK:-27	PK: 68.2
15.407(b)(4)(i)		increasing linearly from 75~25MHz above or below the band edge		PK: 68.2~105.2
		increasing linearly from 25~5MHz above or below the band edge	PK:10~15.6	PK: 105.2~110.8
		increasing linearly from 5~0 MHz above or below the band edge	PK: 15.6~27	PK:110.8~122.2

11.1.2 5850~5925 MHz

Applicable	Operation		EIRP		Field Strength
to	Freq. (MHz)	ETU categories	Freq. (MHz)	Limits (dBm/MHz)	@ 3m
15.407(b)(5)(i)		indoor AP or subordinate device	decrease linealy from 5895 ~ 5925MHz and	PK:15~-7	PK:110~102
15.407(b)(5)(ii)		Client device	above	PK:-5~-27	PK:90~68
	5850~5895 or channel span cross	Client / indoor AP / subordinate device	At 5650	PK:-27	PK:68
			increasing linearly from 5650~5700	PK:-27~10	PK:68~105
15.407(b)(5)(iii)	5725~5895		increasing linearly from 5700~5720	PK:10~15.6	PK:105~110.6
			increasing linearly from 5720~5725	PK:15.6~27	PK:110.6~122

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11.1.3 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

the radiated emission limits specified as below table.								
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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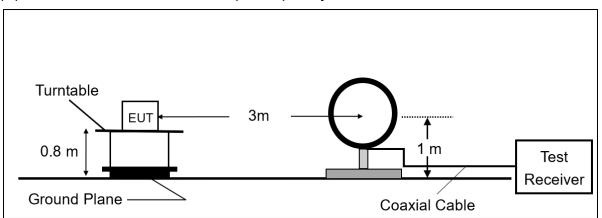
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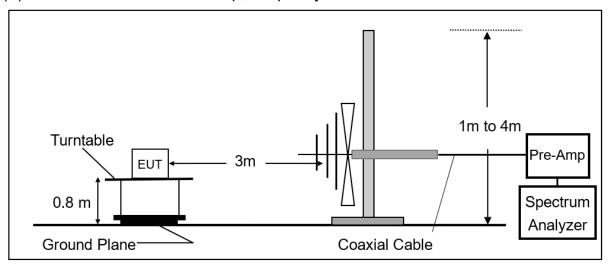
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11.2 **Test Setup**

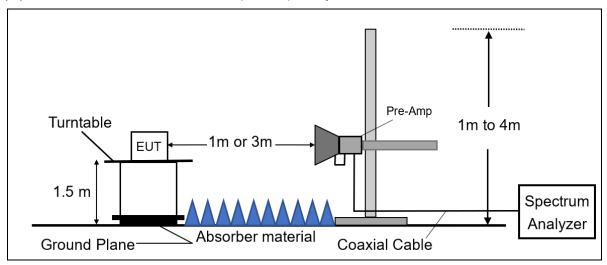
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.3 **Measurement Procedure**

- 1. The testing follows FCC KDB 789033 D02.
- 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
- EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz
- Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
- For the UNII1~3, Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
 - For the UNII4, Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for trace average 100 times in power average (RMS) mode
- 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 on the UNII1~3
- 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 frequency measured were complete.

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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)

Actual $FS(dB\mu V/m) = SPA$. Reading level(dB μV) + 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) was not reported.

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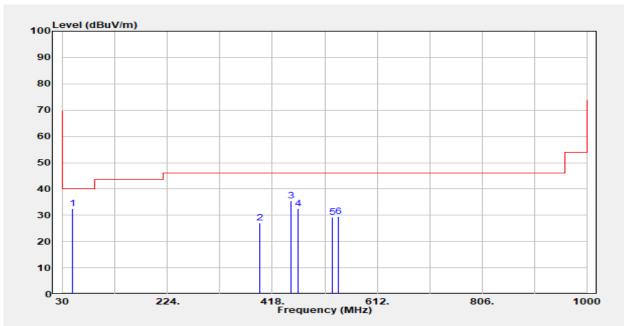
Radiated Spurious Emission Measurement Result

11.6.1 **Spurious Emission**

Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a **Test Date** :2022-03-15 Test Frequency :5220 MHz :22.8/64 Temp./Humi. Test Mode :Tx CH Mid Antenna Pol. :VERTICAL

EUT Pol :E2 Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
47.78	QP	46.91	-14.53	32.39	40.00	-7.61
395.37	Peak	34.30	-7.23	27.07	46.00	-18.93
451.95	Peak	41.48	-6.12	35.37	46.00	-10.63
464.88	Peak	38.56	-6.09	32.48	46.00	-13.52
529.55	Peak	34.12	-4.75	29.37	46.00	-16.63
540.87	Peak	33.33	-3.70	29.63	46.00	-16.37

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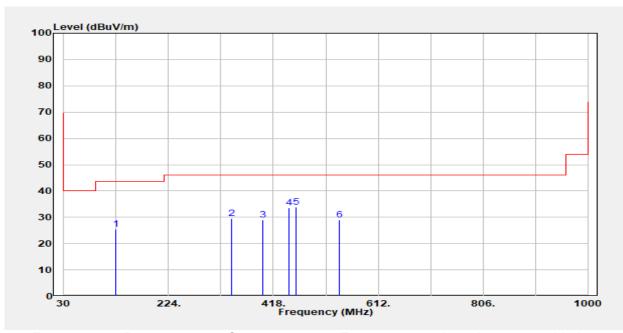
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5220 MHz Temp./Humi. :22.8/64

Test Mode Antenna Pol. :HORIZONTAL :Tx CH Mid

EUT Pol :E2 Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
125.38	Peak	37.09	-11.74	25.36	43.50	-18.14
340.40	Peak	37.74	-8.32	29.41	46.00	-16.59
398.60	Peak	35.91	-7.01	28.90	46.00	-17.10
447.10	Peak	39.70	-6.19	33.51	46.00	-12.49
460.03	Peak	40.04	-6.06	33.98	46.00	-12.02
540.87	Peak	32.70	-3.70	29.00	46.00	-17.00

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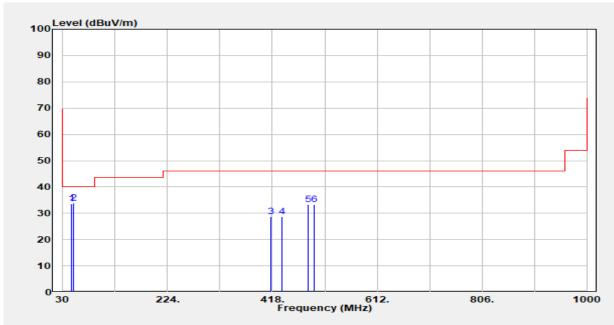
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5785 MHz Temp./Humi. :22.8/64

Test Mode Antenna Pol. :VERTICAL :Tx CH Mid

EUT Pol :E2 Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dΒμV/m	dB
46.49	QP	48.03	-14.40	33.63	40.00	-6.37
49.40	Peak	49.71	-15.75	33.96	40.00	-6.04
415.09	Peak	35.16	-6.45	28.71	46.00	-17.29
436.43	Peak	35.06	-6.27	28.78	46.00	-17.22
484.93	Peak	39.02	-5.75	33.27	46.00	-12.73
495.60	Peak	39.03	-5.60	33.42	46.00	-12.58

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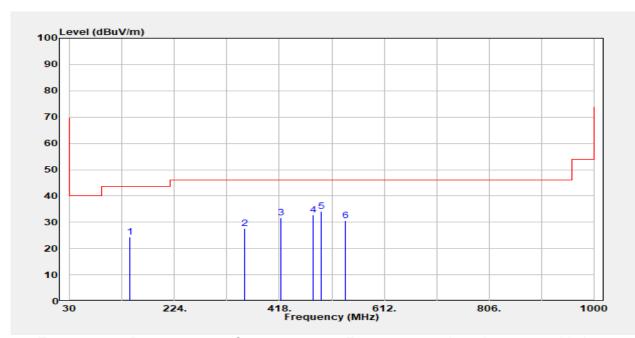
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5785 MHz Temp./Humi. :22.8/64

Test Mode Antenna Pol. :HORIZONTAL :Tx CH Mid

EUT Pol :E2 Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
141.55	Peak	36.66	-12.30	24.36	43.50	-19.14
353.98	Peak	35.41	-7.83	27.58	46.00	-18.42
420.91	Peak	38.01	-6.30	31.71	46.00	-14.29
480.08	Peak	38.75	-5.90	32.85	46.00	-13.15
494.63	Peak	39.81	-5.61	34.20	46.00	-11.80
540.22	Peak	34.41	-3.82	30.59	46.00	-15.41

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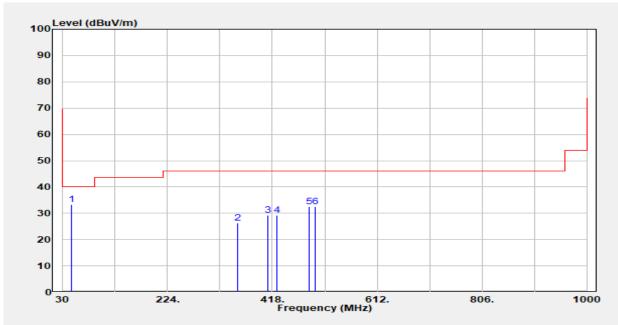
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5865 MHz Temp./Humi. :22.8/64

Test Mode Antenna Pol. :VERTICAL :Tx CH Mid

EUT Pol :E2 Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBμV/m	dBμV/m	dB
45.52	QP	47.21	-13.92	33.29	40.00	-6.71
353.01	Peak	34.04	-7.87	26.17	46.00	-19.83
410.24	Peak	35.49	-6.35	29.14	46.00	-16.86
425.76	Peak	35.85	-6.48	29.37	46.00	-16.63
486.87	Peak	38.39	-5.82	32.57	46.00	-13.43
496.57	Peak	38.24	-5.63	32.61	46.00	-13.39

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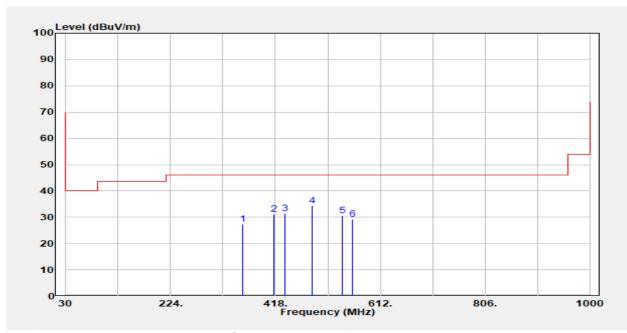
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5865 MHz Temp./Humi. :22.8/64

Test Mode Antenna Pol. :HORIZONTAL :Tx CH Mid

EUT Pol :E2 Plane Engineer :GN Lin



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
357.86	Peak	34.98	-7.71	27.28	46.00	-18.72
415.09	Peak	37.48	-6.45	31.04	46.00	-14.96
435.46	Peak	37.75	-6.27	31.48	46.00	-14.52
485.90	Peak	40.23	-5.78	34.44	46.00	-11.56
541.19	Peak	34.43	-3.75	30.67	46.00	-15.33
560.59	Peak	33.54	-4.15	29.39	46.00	-16.61

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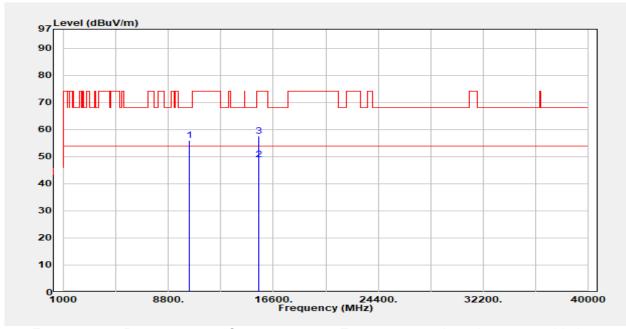
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5180 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10360.00	Peak	34.69	21.40	56.09	68.20	-12.11
15540.00	Average	25.87	22.93	48.81	54.00	-5.19
15540.00	Peak	34.73	22.93	57.66	74.00	-16.34

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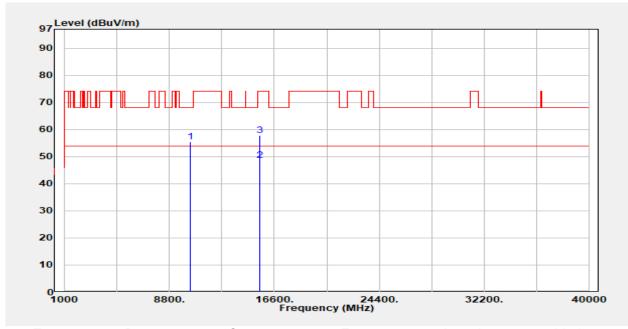
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5180 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10360.00	Peak	34.05	21.40	55.45	68.20	-12.75
15540.00	Average	25.79	22.93	48.72	54.00	-5.28
15540.00	Peak	34.94	22.93	57.88	74.00	-16.12

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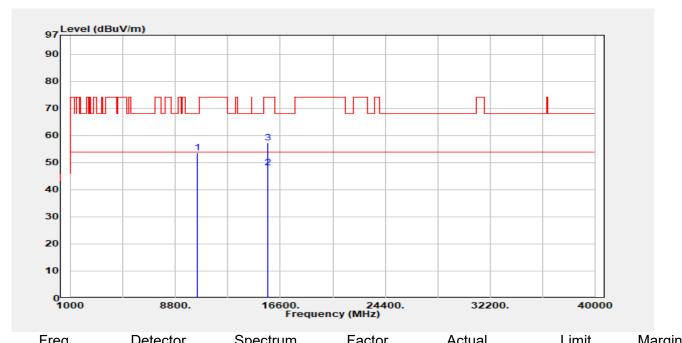
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Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5220 MHz Temp./Humi. :27.1/67 Test Mode Antenna Pol. :Tx CH Mid :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



	гіец.	Mode	Reading Level	racioi	FS	@3m	Margin
	MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
_							
	10440.00	Peak	33.96	19.76	53.72	68.20	-14.48
	15660.00	Average	26.08	21.93	48.02	54.00	-5.98
	15660.00	Peak	35.25	21.93	57.19	74.00	-16.81

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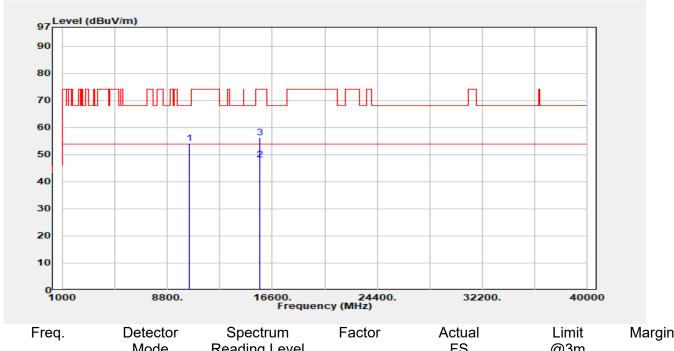
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5220 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



гіец.	Mode	Reading Level	racioi	FS	@3m	iviaigiii
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10440.00	Peak	34.40	19.76	54.16	68.20	-14.04
15660.00	Average	26.15	21.93	48.08	54.00	-5.92
15660.00	Peak	34.29	21.93	56.22	74.00	-17.78

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:Tx CH High

Report No.: ER/2022/30038

:Vertical

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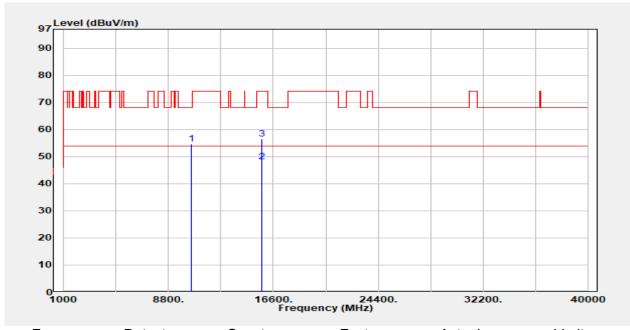
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

:5240 MHz Test Frequency Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	33.56	21.04	54.60	68.20	-13.60
15720.00	Average	26.36	21.80	48.16	54.00	-5.84
15720.00	Peak	34.67	21.80	56.47	74.00	-17.53

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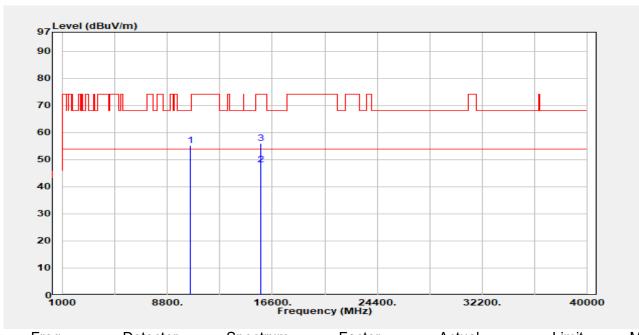
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

:5240 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal **EUT Pol** :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	34.15	21.04	55.18	68.20	-13.02
15720.00	Average	26.32	21.80	48.12	54.00	-5.88
15720.00	Peak	34.14	21.80	55.95	74.00	-18.05

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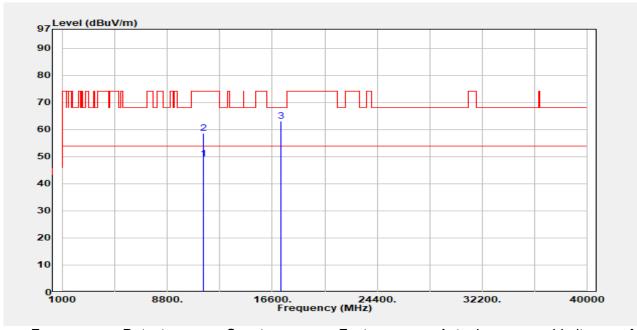
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5745 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	25.84	23.27	49.12	54.00	-4.88
Peak	35.26	23.27	58.53	74.00	-15.47
Peak	35.78	27.43	63.21	68.20	-4.99
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 25.84 Peak 35.26	Mode PK/QP/AV Reading Level dBμV dB Average Peak 25.84 23.27 Peak 35.26 23.27	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 25.84 23.27 49.12 Peak 35.26 23.27 58.53	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 25.84 23.27 49.12 54.00 Peak 35.26 23.27 58.53 74.00

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Horizontal

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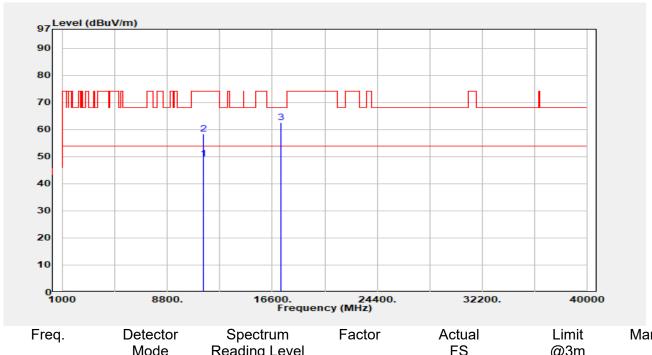
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5745 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11490.00	Average	25.99	23.27	49.26	54.00	-4.74
11490.00	Peak	35.21	23.27	58.49	74.00	-15.51
17235.00	Peak	35.11	27.43	62.53	68.20	-5.67

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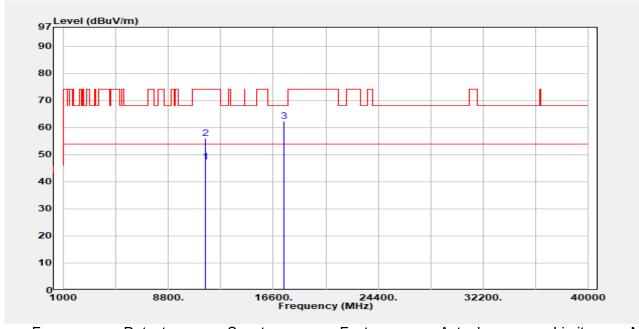
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5785 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Mid Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11570.00	Average	25.80	21.50	47.30	54.00	-6.70
11570.00	Peak	34.48	21.50	55.97	74.00	-18.03
17355.00	Peak	35.21	27.20	62.41	68.20	-5.79

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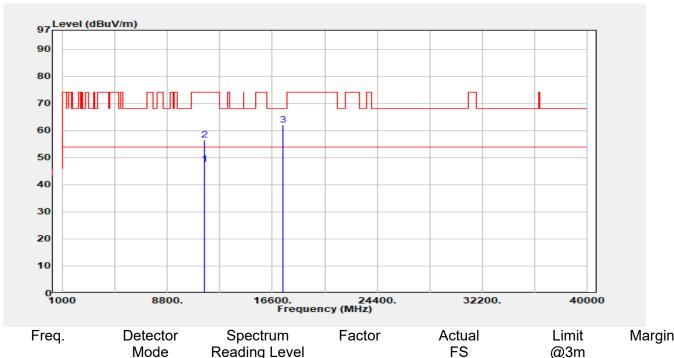
Page: 103 of 308

Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5785 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal EUT Pol :E2 Plane Engineer :Jason Yeh



r req.	Mode	Reading Level	i actor	FS	@3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11570.00	Average	26.01	21.50	47.51	54.00	-6.49
11570.00	Peak	35.02	21.50	56.51	74.00	-17.49
17355.00	Peak	34.80	27.20	62.00	68.20	-6.20

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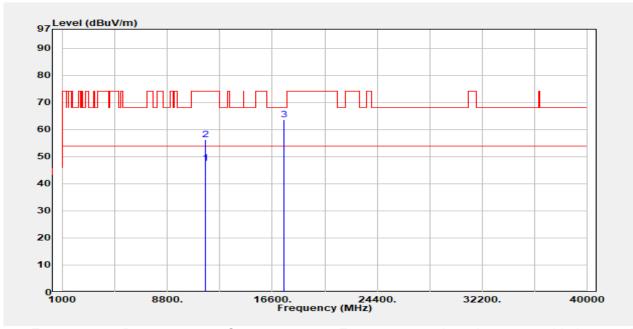
Page: 104 of 308

Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5825 MHz Temp./Humi. :27.1/67
Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11650.00	Average	25.62	21.91	47.52	54.00	-6.48
11650.00	Peak	34.34	21.91	56.24	74.00	-17.76
17475.00	Peak	35.03	28.69	63.72	68.20	-4.48

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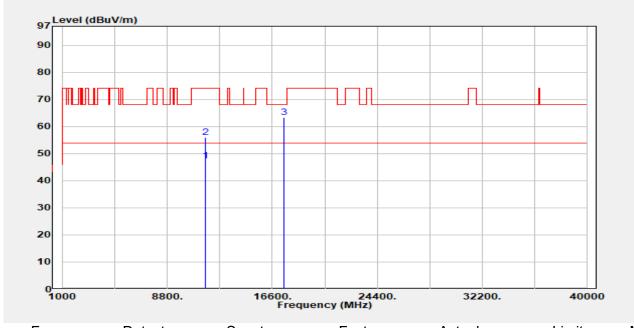
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5825 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11650.00	Average	25.53	21.91	47.44	54.00	-6.56
11650.00	Peak	34.10	21.91	56.01	74.00	-17.99
17475.00	Peak	34.70	28.69	63.39	68.20	-4.81

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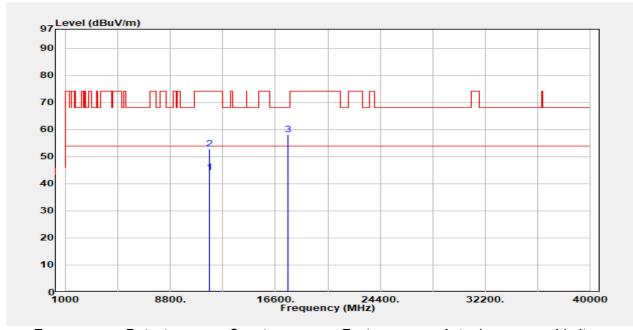
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5845 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11690.00	Average	23.51	20.65	44.16	54.00	-9.84
11690.00	Peak	32.27	20.65	52.92	74.00	-21.08
17535.00	Peak	30.36	27.65	58.01	68.20	-10.19

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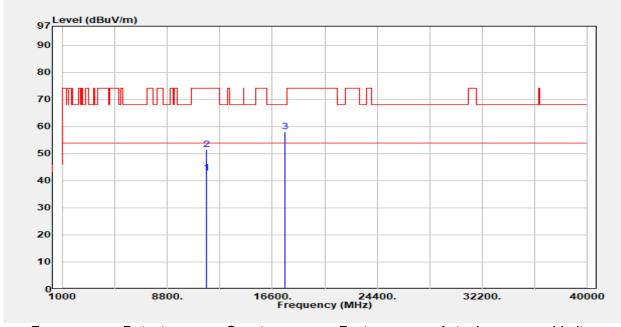
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

:5845 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	22.15	20.65	42.80	54.00	-11.20
Peak	30.77	20.65	51.42	74.00	-22.58
Peak	30.54	27.65	58.19	68.20	-10.01
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 22.15 Peak 30.77	Mode PK/QP/AV Reading Level dBμV dB Average Peak 22.15 20.65 Peak 30.77 20.65	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 22.15 20.65 42.80 Peak 30.77 20.65 51.42	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 22.15 20.65 42.80 54.00 Peak 30.77 20.65 51.42 74.00

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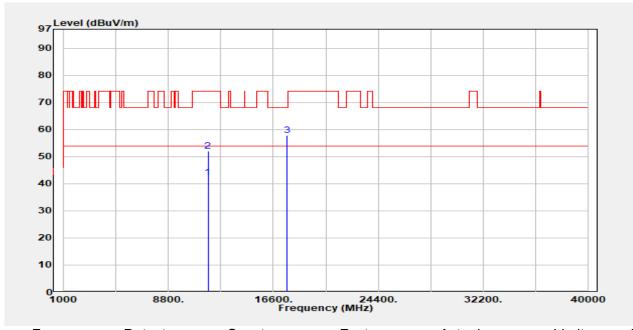
Page: 108 of 308

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5865 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Mid Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11730.00	Average	21.62	20.73	42.35	54.00	-11.65
11730.00	Peak	31.31	20.73	52.05	74.00	-21.95
17595.00	Peak	29.29	28.46	57.75	68.20	-10.45

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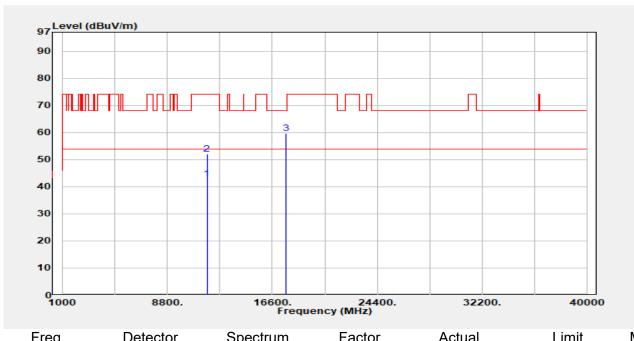
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5865 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11730.00	Average	22.31	20.47	42.78	54.00	-11.22
11730.00	Peak	31.70	20.47	52.17	74.00	-21.83
17595.00	Peak	-3.32	62.88	59.56	68.20	-8.64

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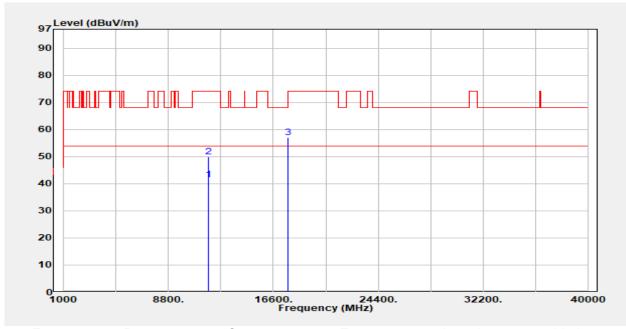
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11a Test Date :2022-04-02

:5885 MHz Test Frequency Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11770.00	Average	21.20	20.46	41.66	54.00	-12.34
11770.00	Peak	29.42	20.46	49.88	74.00	-24.12
17655.00	Peak	28.68	28.37	57.05	68.20	-11.15

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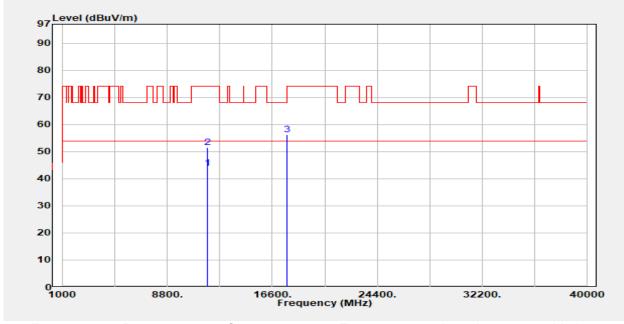
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-04-02

Test Frequency :5885 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11770.00	Average	23.51	20.46	43.97	54.00	-10.03
11770.00	Peak	31.03	20.46	51.49	74.00	-22.51
17655.00	Peak	27.99	28.37	56.36	68.20	-11.84

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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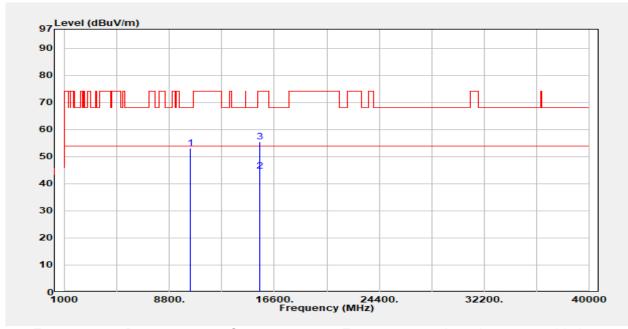
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5180 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10360.00	Peak	33.79	19.42	53.20	68.20	-15.00
15540.00	Average	22.18	22.50	44.68	54.00	-9.32
15540.00	Peak	33.09	22.50	55.58	74.00	-18.42

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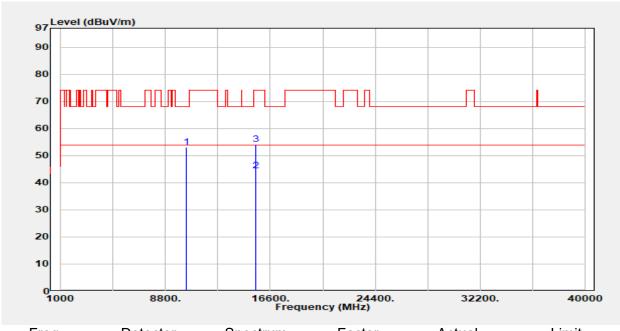
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

:5180 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	33.61	19.42	53.02	68.20	-15.18
Average	22.04	22.50	44.54	54.00	-9.46
Peak	31.59	22.50	54.09	74.00	-19.91
	Mode PK/QP/AV Peak Average	Mode Reading Level PK/QP/AV dBμV Peak 33.61 Average 22.04	Mode PK/QP/AV Reading Level dBμV dB Peak Average 33.61 19.42 Average 22.04 22.50	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Peak 33.61 19.42 53.02 Average 22.04 22.50 44.54	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak Average 33.61 19.42 53.02 68.20 Average 22.04 22.50 44.54 54.00

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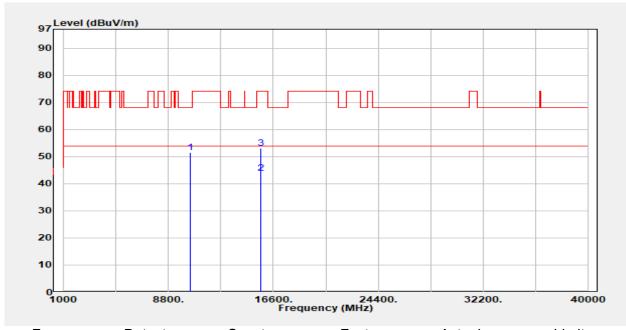
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

:5220 MHz Test Frequency Temp./Humi. :27.1/67 Test Mode :Tx CH Mid :Vertical Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10440.00	Peak	32.29	19.25	51.55	68.20	-16.65
15660.00	Average	22.10	21.82	43.92	54.00	-10.08
15660.00	Peak	31.31	21.82	53.13	74.00	-20.87

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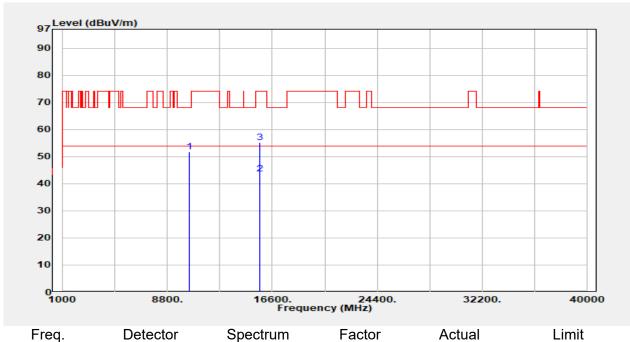
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5220 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10440.00	Peak	32.63	19.25	51.89	68.20	-16.31
15660.00	Average	21.88	21.82	43.70	54.00	-10.30
15660.00	Peak	33.43	21.82	55.25	74.00	-18.75

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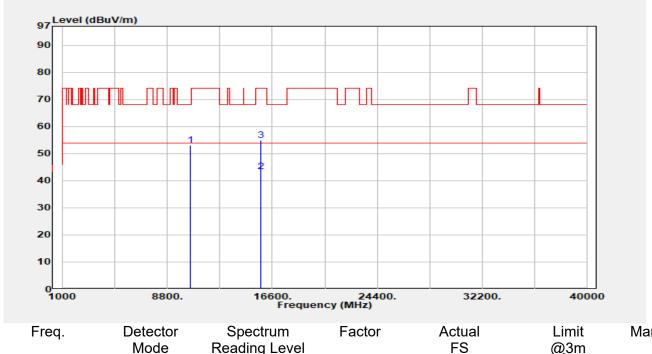
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5240 MHz Temp./Humi. :27.1/67

Test Mode :Vertical :Tx CH High Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	33.13	20.01	53.13	68.20	-15.07
15720.00	Average	21.97	21.53	43.50	54.00	-10.50
15720.00	Peak	33.43	21.53	54.96	74.00	-19.04

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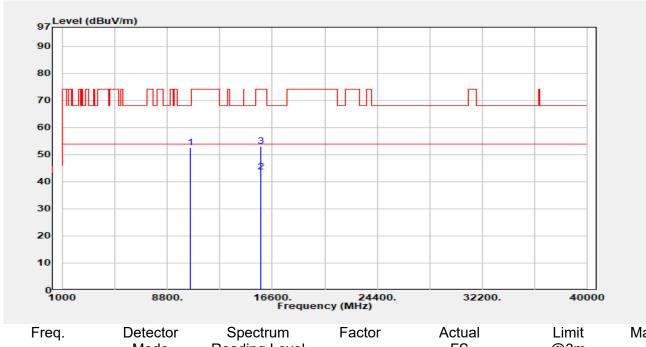
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5240 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	32.46	20.01	52.47	68.20	-15.73
15720.00	Average	22.21	21.53	43.74	54.00	-10.26
15720.00	Peak	31.59	21.53	53.11	74.00	-20.89

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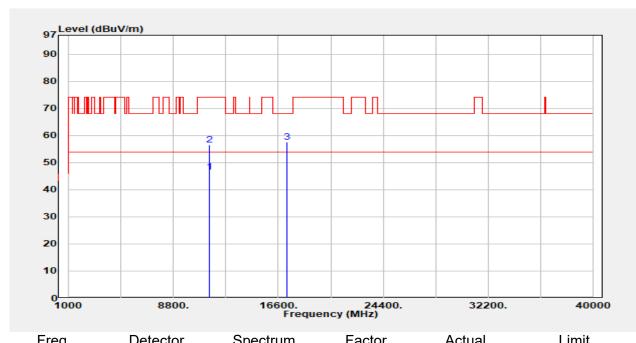
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Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5745 MHz Temp./Humi. :27.1/67 Test Mode :Vertical :Tx CH Low Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11490.00	Average	23.17	23.45	46.62	54.00	-7.38
11490.00	Peak	33.03	23.45	56.48	74.00	-17.52
17235.00	Peak	31.80	25.71	57.51	68.20	-10.69

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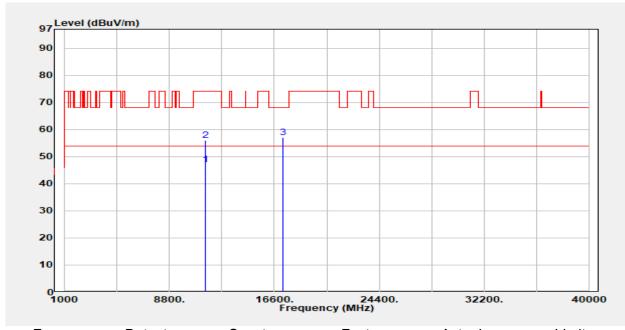
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5745 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11490.00	Average	23.51	23.45	46.96	54.00	-7.04
11490.00	Peak	32.51	23.45	55.96	74.00	-18.04
17235.00	Peak	31.41	25.71	57.12	68.20	-11.08

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:Tx CH Mid

Test Mode

Report No.: ER/2022/30038

:Vertical

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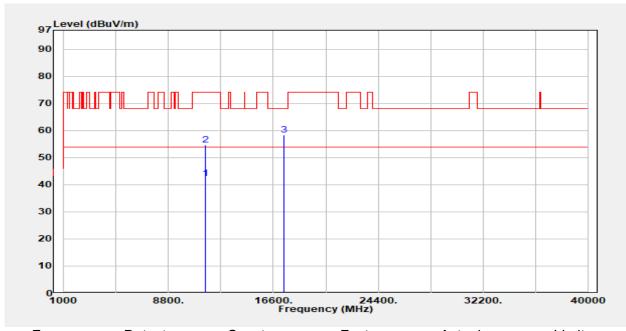
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

:5785 MHz Test Frequency Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11570.00	Average	20.95	21.42	42.37	54.00	-11.63
11570.00	Peak	33.37	21.42	54.79	74.00	-19.21
17355.00	Peak	31.68	26.78	58.46	68.20	-9.74

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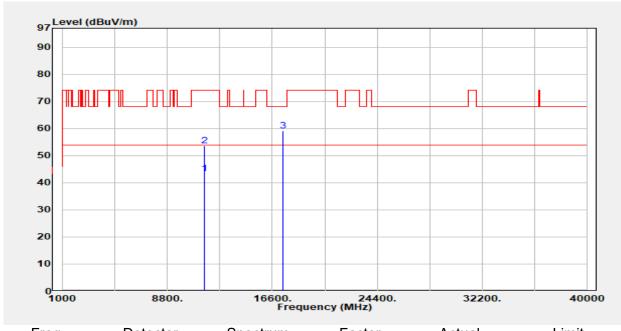
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

:5785 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11570.00	Average	22.01	21.42	43.43	54.00	-10.57
11570.00	Peak	32.33	21.42	53.75	74.00	-20.25
17355.00	Peak	32.26	26.78	59.04	68.20	- 9.16

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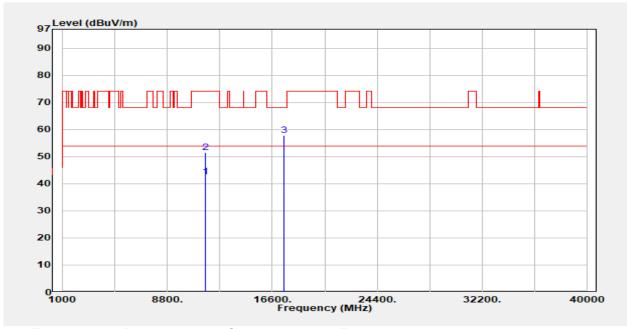
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Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-04-02

Test Frequency :5825 MHz Temp./Humi. :27.1/67
Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11650.00	Average	21.81	20.72	42.53	54.00	-11.47
11650.00	Peak	30.70	20.72	51.42	74.00	-22.58
17475.00	Peak	30.26	27.65	57.91	68.20	-10.29

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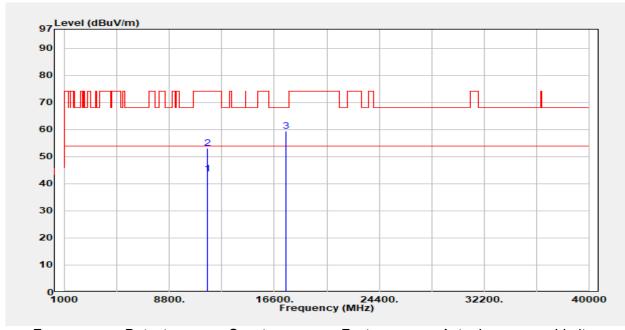
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5825 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	22.80	20.72	43.52	54.00	-10.48
Peak	32.44	20.72	53.16	74.00	-20.84
Peak	31.68	27.65	59.33	68.20	-8.87
	Mode PK/QP/AV Average Peak	Mode Reading Level dBμV Average 22.80 Peak 32.44	Mode PK/QP/AV Reading Level dBμV dB Average Peak 22.80 20.72 20.72 20.72	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Average Peak 22.80 20.72 43.52 Peak 32.44 20.72 53.16	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Peak 22.80 20.72 43.52 54.00 Peak 32.44 20.72 53.16 74.00

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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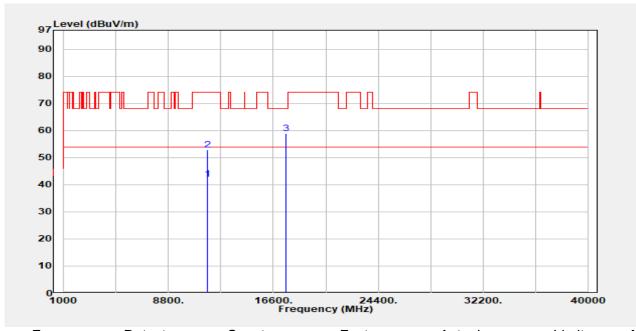
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-04-02

Test Frequency :5845 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11690.00	Average	21.51	20.65	42.16	54.00	-11.84
11690.00	Peak	32.11	20.65	52.76	74.00	-21.24
17535.00	Peak	31.24	27.65	58.89	68.20	-9.31

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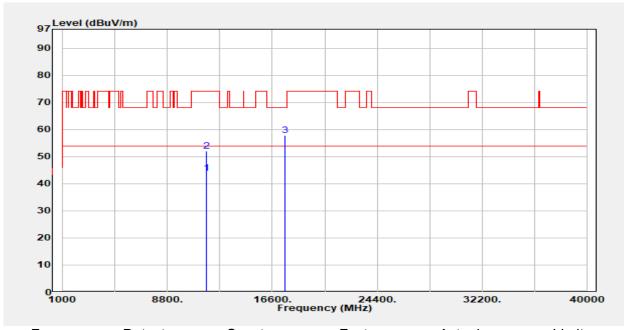
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-04-02

Test Frequency :5845 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11690.00	Average	23.15	20.65	43.80	54.00	-10.20
11690.00	Peak	31.38	20.65	52.03	74.00	-21.97
17535.00	Peak	30.11	27.65	57.77	68.20	-10.43

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:Tx CH Mid

Test Mode

Report No.: ER/2022/30038

:Vertical

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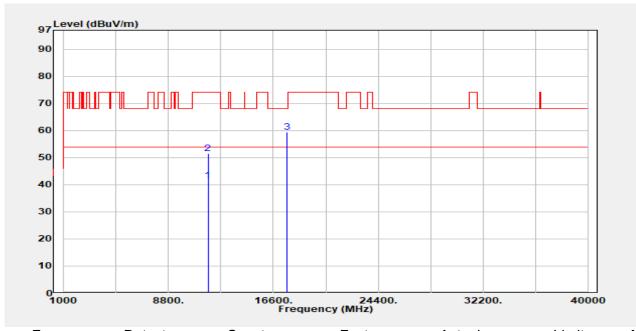
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-04-02

Test Frequency :5865 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11730.00	Average	20.84	20.73	41.57	54.00	-12.43
11730.00	Peak	30.75	20.73	51.48	74.00	-22.52
17595.00	Peak	30.83	28.46	59.28	68.20	-8.92

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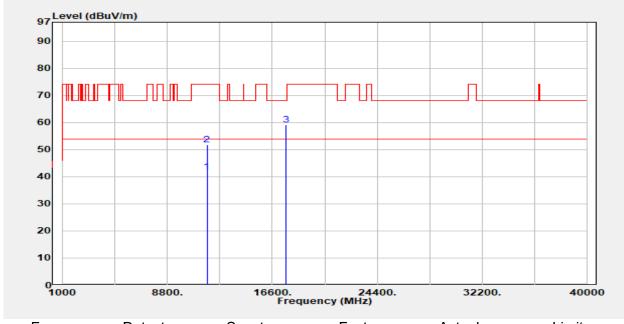
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-04-02

Test Frequency :5865 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11730.00	Average	20.95	20.73	41.68	54.00	-12.32
11730.00	Peak	30.92	20.73	51.65	74.00	-22.35
17595.00	Peak	30.62	28.46	59.07	68.20	-9.13

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:Tx CH High

Report No.: ER/2022/30038

:Vertical

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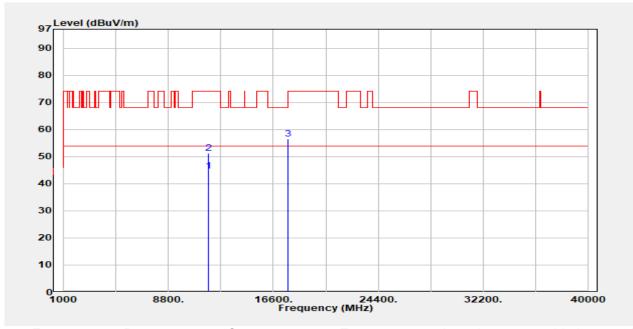
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-04-02

Test Frequency :5885 MHz Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11770.00	Average	24.21	20.46	44.67	54.00	-9.33
11770.00	Peak	30.87	20.46	51.33	74.00	-22.67
17655.00	Peak	28.27	28.37	56.63	68.20	-11.57

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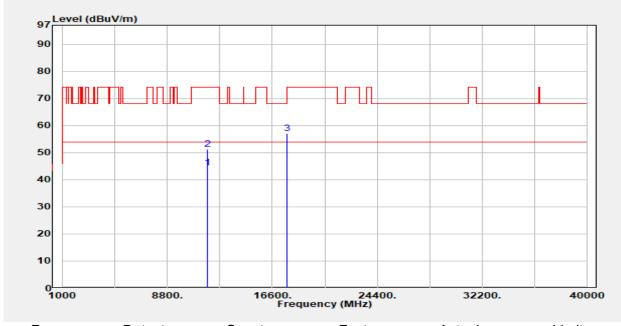
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-04-02

Test Frequency :5885 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11770.00	Average	23.84	20.46	44.30	54.00	-9.70
11770.00	Peak	30.71	20.46	51.17	74.00	-22.83
17655.00	Peak	28.63	28.37	57.00	68.20	-11.20

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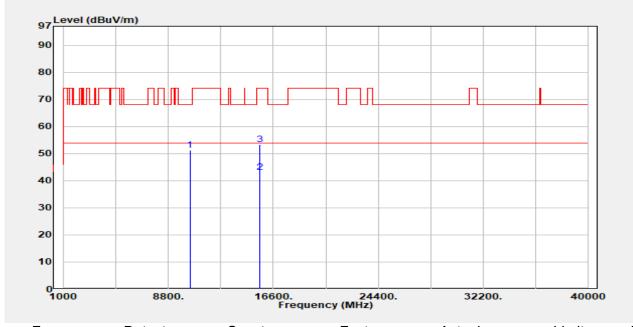
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5190 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10380.00	Peak	32.49	18.83	51.32	68.20	-16.88
15570.00	Average	21.02	22.00	43.02	54.00	-10.98
15570.00	Peak	31.43	22.00	53.42	74.00	-20.58

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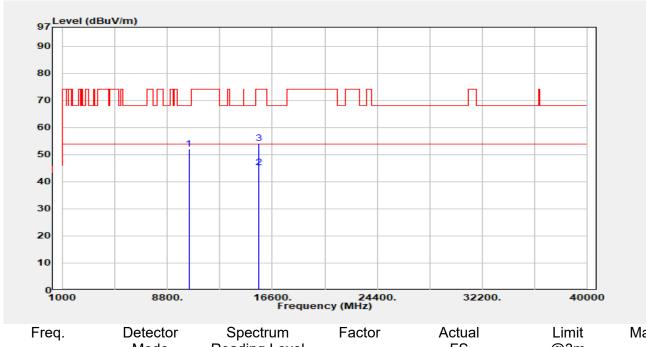
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5190 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10380.00	Peak	33.15	18.83	51.98	68.20	-16.22
15570.00	Average	23.21	22.00	45.21	54.00	-8.79
15570.00	Peak	32.16	22.00	54.15	74.00	-19.85

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:Tx CH High

Test Mode

Report No.: ER/2022/30038

:Vertical

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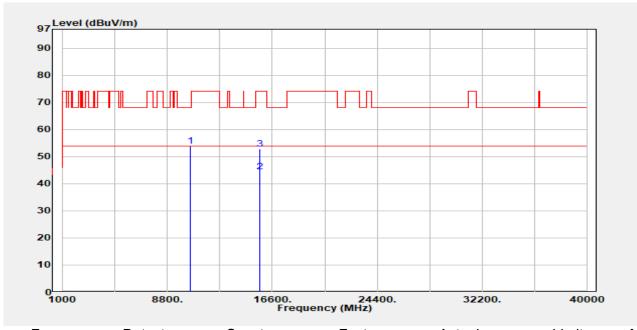
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

Test Frequency :5230 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10460.00	Peak	34.66	19.23	53.89	68.20	-14.31
15690.00	Average	22.85	21.58	44.44	54.00	-9.56
15690.00	Peak	31.22	21.58	52.80	74.00	-21.20

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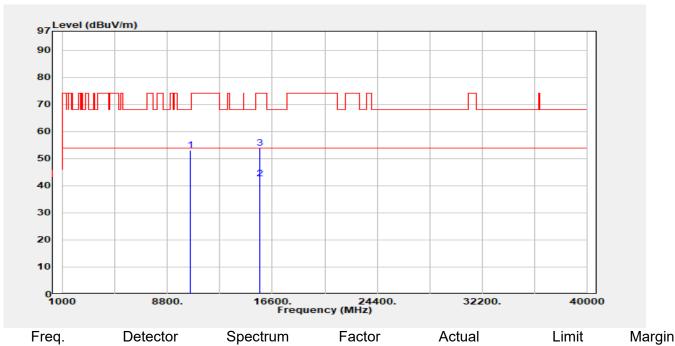
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5230 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



r roq.	Mode	Reading Level	i actor	FS	@3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10460.00	Peak	33.85	19.23	53.08	68.20	-15.12
15690.00	Average	20.95	21.58	42.54	54.00	-11.46
15690.00	Peak	32.38	21.58	53.96	74.00	-20.04

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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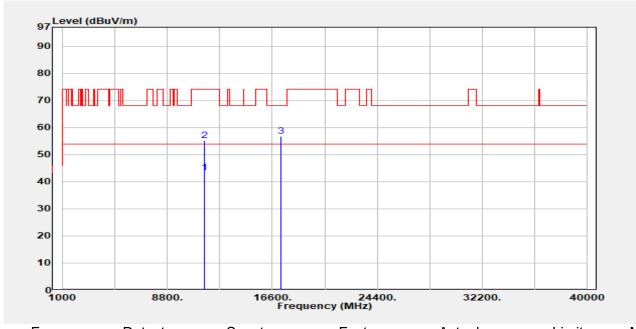
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5755 MHz Test Frequency Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11510.00	Average	21.02	22.40	43.43	54.00	-10.57
11510.00	Peak	32.75	22.40	55.15	74.00	-18.85
17265.00	Peak	31.33	25.41	56.74	68.20	-11.46

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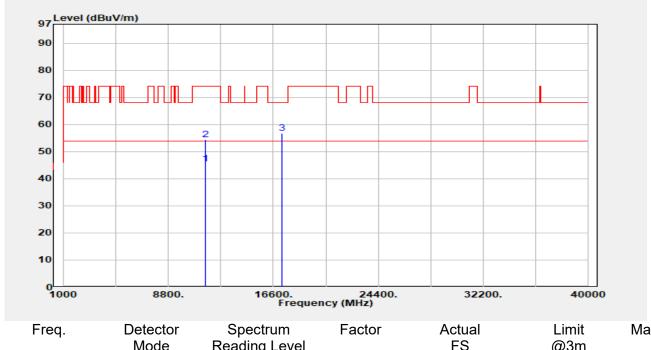
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5755 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode Antenna Pol. :Tx CH Low :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	$dB\mu V$	dB	dBµV/m	dBμV/m	dB
11510.00	Average	23.02	22.40	45.43	54.00	-8.57
11510.00	Peak	32.03	22.40	54.44	74.00	-19.56
17265.00	Peak	31.34	25.41	56.75	68.20	-11.45

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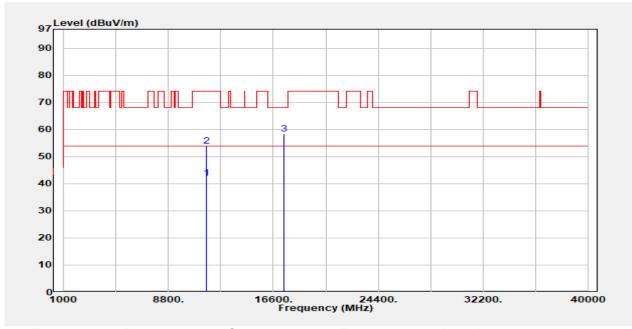
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

Test Frequency :5795 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11590.00	Average	21.21	20.79	42.00	54.00	-12.00
11590.00	Peak	32.99	20.79	53.78	74.00	-20.22
17385.00	Peak	30.41	28.02	58.43	68.20	-9.77

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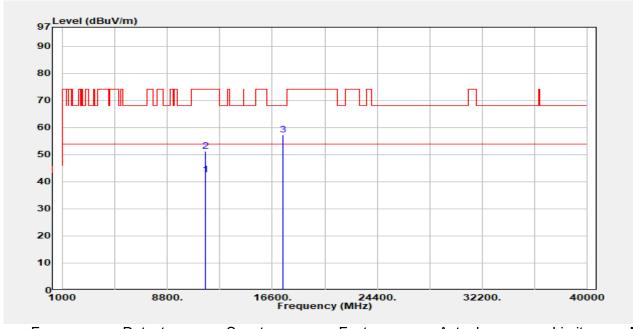
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

Test Frequency :5795 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	$dB\mu V$	dB	dBµV/m	dBμV/m	dB
11590.00	Average	21.84	20.79	42.63	54.00	-11.37
11590.00	Peak	30.48	20.79	51.27	74.00	-22.73
17385.00	Peak	29.29	28.02	57.32	68.20	-10.88

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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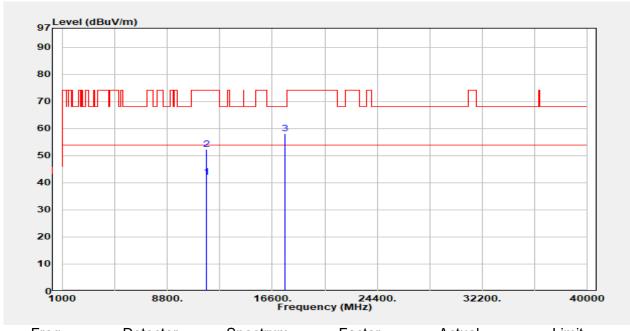
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5835 MHz Test Frequency Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11670.00	Average	21.51	20.63	42.14	54.00	-11.86
11670.00	Peak	31.75	20.63	52.38	74.00	-21.62
17505.00	Peak	30.75	27.29	58.04	68.20	-10.16

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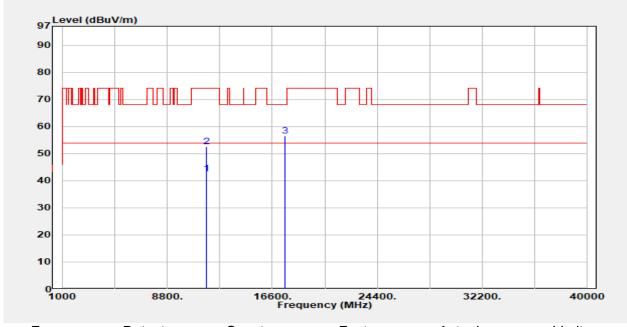
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5835 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11670.00	Average	21.84	20.63	42.47	54.00	-11.53
11670.00	Peak	31.84	20.63	52.47	74.00	-21.53
17505.00	Peak	29.27	27.29	56.56	68.20	-11.64

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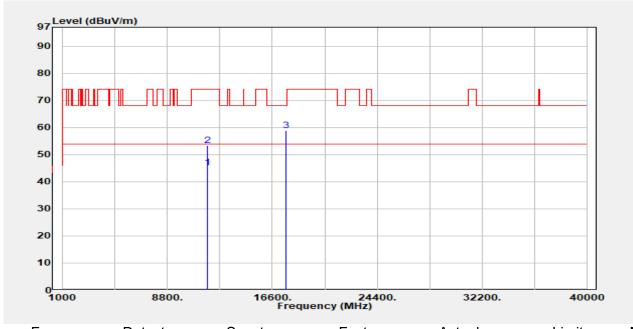
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5875 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11750.00	Average	24.51	20.61	45.12	54.00	-8.88
11750.00	Peak	32.82	20.61	53.43	74.00	-20.57
17625.00	Peak	30.66	28.10	58.75	68.20	-9.45

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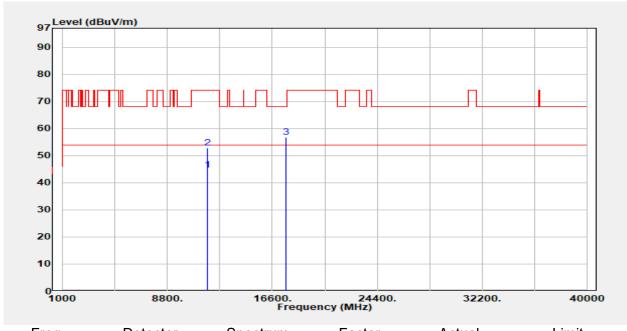
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-04-02

:5875 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11750.00	Average	24.15	20.61	44.76	54.00	-9.24
11750.00	Peak	32.24	20.61	52.85	74.00	-21.15
17625.00	Peak	28.66	28.10	56.76	68.20	-11.44

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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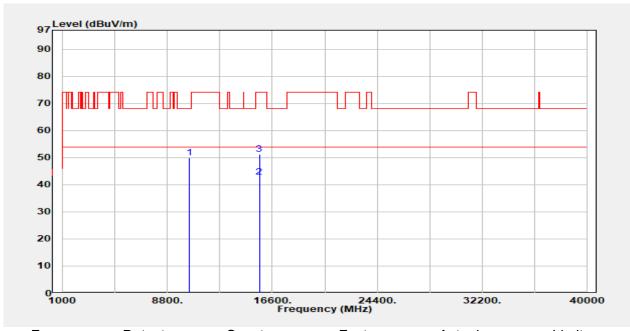
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-04-02

Test Frequency :5210 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
10420.00	Peak	30.23	19.66	49.89	68.20	-18.31
15630.00	Average	21.02	21.79	42.81	54.00	-11.19
15630.00	Peak	29.37	21.79	51.16	74.00	-22.84

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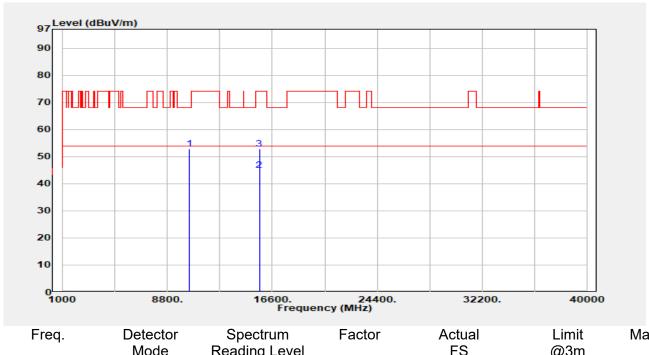
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-04-02

Test Frequency :5210 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10420.00	Peak	33.16	19.66	52.82	68.20	-15.38
15630.00	Average	23.12	21.79	44.91	54.00	-9.09
15630.00	Peak	30.93	21.79	52.72	74.00	-21.28

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:Tx CH Low

Report No.: ER/2022/30038

:Vertical

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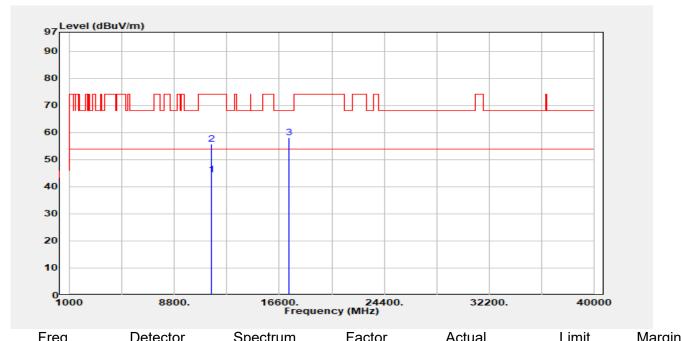
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-04-02

:5775 MHz Test Frequency Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



r req.	Mode	Reading Level	i actor	FS	@3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11550.00	Average	22.51	21.91	44.42	54.00	-9.58
11550.00	Peak	33.69	21.91	55.61	74.00	-18.39
17325.00	Peak	32.09	25.95	58.04	68.20	-10.16

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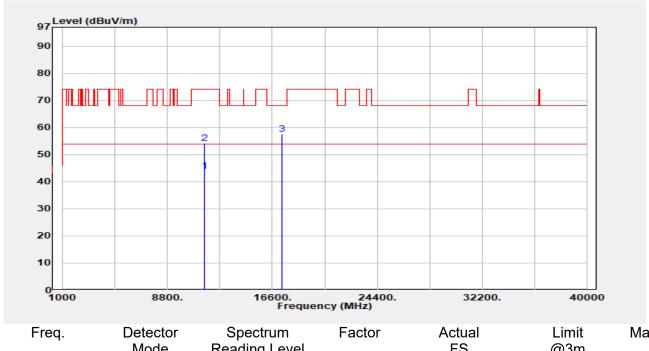
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11550.00	Average	22.04	21.91	43.95	54.00	-10.05
11550.00	Peak	32.31	21.91	54.22	74.00	-19.78
17325.00	Peak	31.59	25.95	57.55	68.20	-10.65

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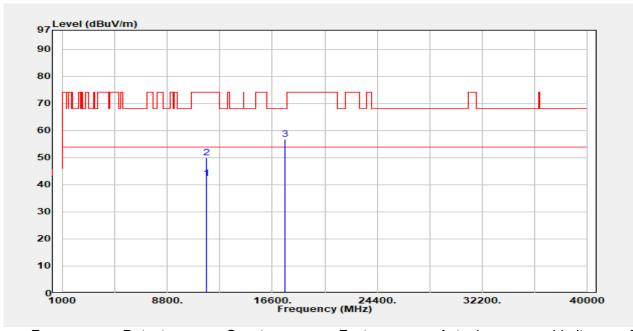
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Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ac80 Test Date :2022-04-02

Test Frequency :5855 MHz Temp./Humi. :27.1/67
Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11710.00	Average	21.54	20.73	42.27	54.00	-11.73
11710.00	Peak	29.14	20.73	49.87	74.00	-24.13
17565.00	Peak	29.12	27.53	56.66	68.20	-11.54

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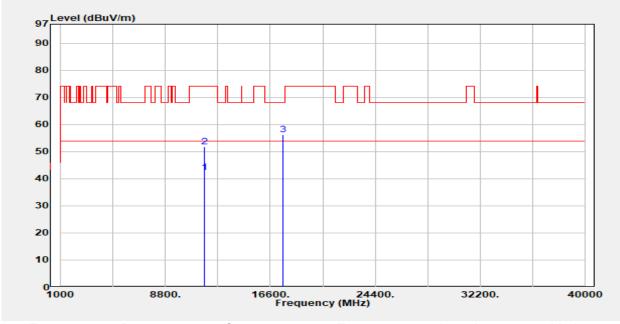
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-04-02

Test Frequency :5855 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11710.00	Average	21.54	20.73	42.27	54.00	-11.73
11710.00	Peak	30.95	20.73	51.69	74.00	-22.31
17565.00	Peak	28.73	27.53	56.26	68.20	-11.94

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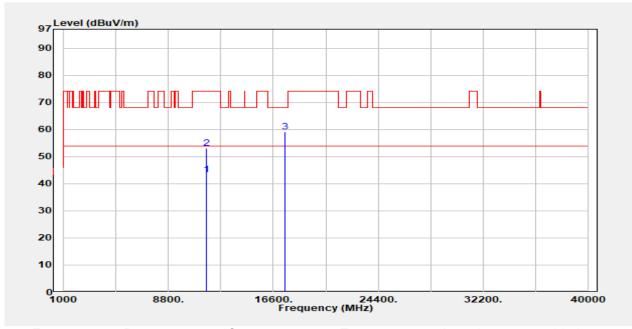
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-02

Test Frequency :5815 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11630.00	Average	22.51	20.83	43.34	54.00	-10.66
11630.00	Peak	32.32	20.83	53.15	74.00	-20.85
17445.00	Peak	30.60	28.55	59.15	68.20	-9.05

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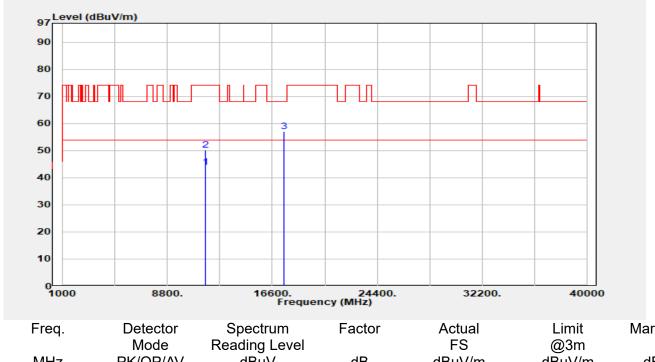
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-02

Test Frequency :5815 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11630.00	Average	23.01	20.83	43.84	54.00	-10.16
11630.00	Peak	29.51	20.83	50.34	74.00	-23.66
17445.00	Peak	28.41	28.55	56.96	68.20	-11.24

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:Tx CH Low

Report No.: ER/2022/30038

:Vertical

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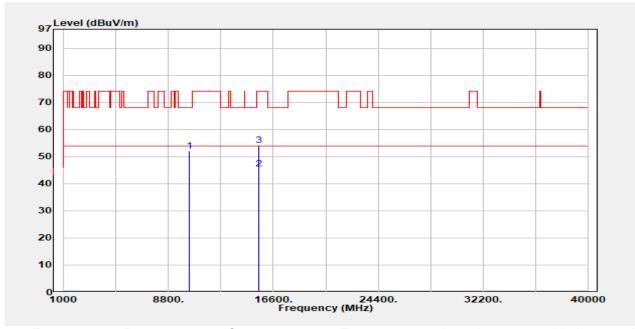
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

:5180 MHz Test Frequency Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10360.00	Peak	32.66	19.42	52.07	68.20	-16.13
15540.00	Average	23.01	22.50	45.51	54.00	-8.49
15540.00	Peak	31.54	22.50	54.04	74.00	-19.96

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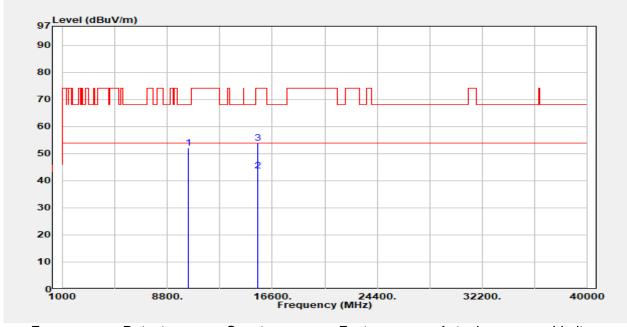
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

:5180 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10360.00	Peak	32.72	19.42	52.14	68.20	-16.06
15540.00	Average	21.20	22.50	43.70	54.00	-10.30
15540.00	Peak	31.52	22.50	54.02	74.00	-19.98

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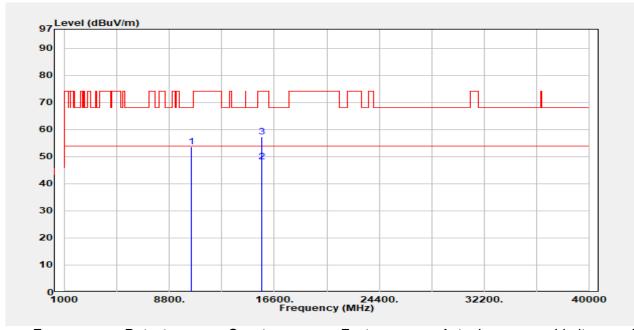
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5220 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Mid Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10440.00	Peak	33.96	19.76	53.72	68.20	-14.48
15660.00	Average	26.08	21.93	48.02	54.00	-5.98
15660.00	Peak	35.25	21.93	57.19	74.00	-16.81

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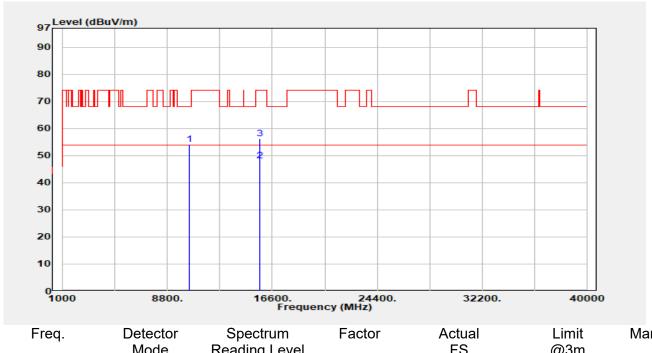
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5220 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
10440.00	Peak	34.40	19.76	54.16	68.20	-14.04
15660.00	Average	26.15	21.93	48.08	54.00	-5.92
15660.00	Peak	34.29	21.93	56.22	74.00	-17.78

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:Tx CH High

Report No.: ER/2022/30038

:Vertical

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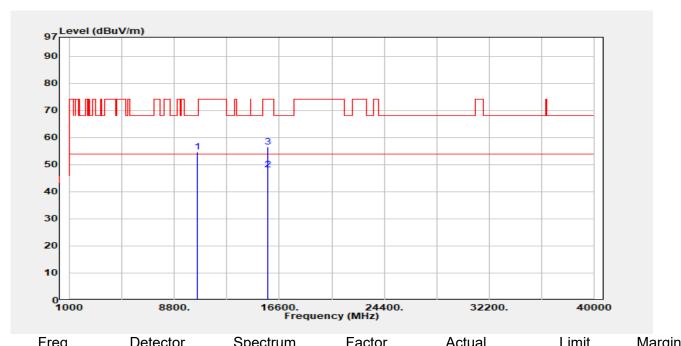
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5240 MHz Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



1 164.	Mode	Reading Level	i actor	FS	@3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	33.56	21.04	54.60	68.20	-13.60
15720.00	Average	26.36	21.80	48.16	54.00	-5.84
15720.00	Peak	34.67	21.80	56.47	74.00	-17.53

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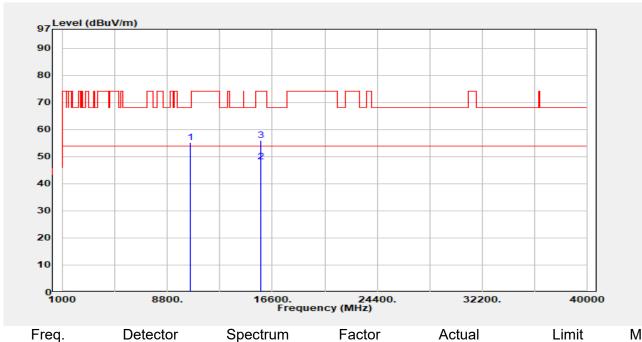
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5240 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10480.00	Peak	34.15	21.04	55.18	68.20	-13.02
15720.00	Average	26.32	21.80	48.12	54.00	-5.88
15720.00	Peak	34.14	21.80	55.95	74.00	-18.05

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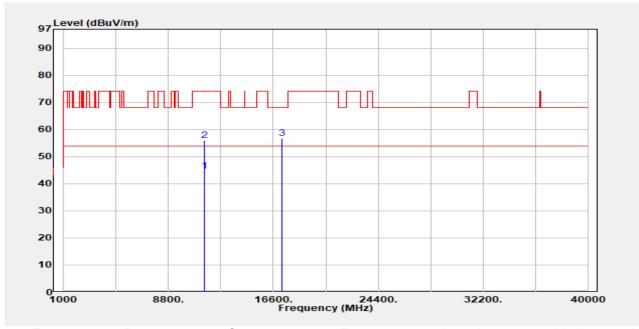
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5745 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11490.00	Average	21.21	23.45	44.66	54.00	-9.34
11490.00	Peak	32.64	23.45	56.09	74.00	-17.91
17235.00	Peak	30.96	25.71	56.67	68.20	-11.53

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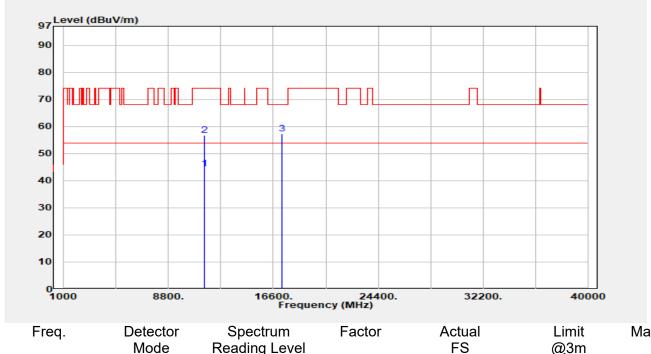
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5745 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11490.00	Average	20.85	23.45	44.30	54.00	-9.70
11490.00	Peak	33.26	23.45	56.71	74.00	-17.29
17235.00	Peak	31.72	25.71	57.43	68.20	-10.77

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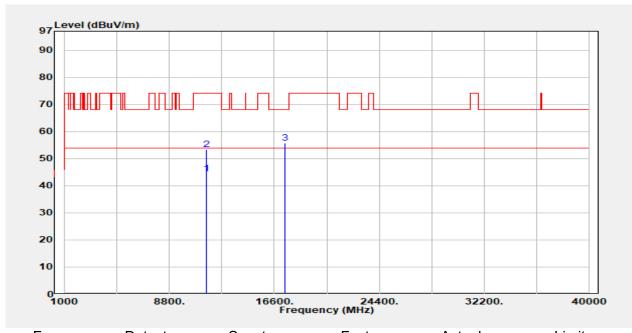
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Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5785 MHz Temp./Humi. :27.1/67 Test Mode Antenna Pol. :Tx CH Mid :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



	Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
_	MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
	11570.00	Average	23.10	21.42	44.52	54.00	-9.48
	11570.00	Peak	32.04	21.42	53.46	74.00	-20.54
	17355.00	Peak	29.02	26.78	55.80	68.20	-12.40

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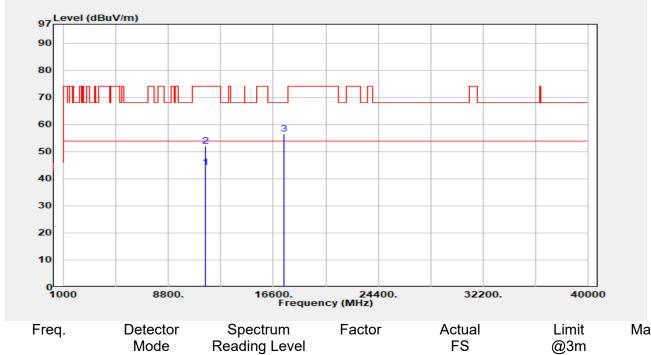
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5785 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11570.00	Average	22.64	21.42	44.06	54.00	-9.94
11570.00	Peak	30.67	21.42	52.08	74.00	-21.92
17355.00	Peak	29.70	26.78	56.48	68.20	-11.72

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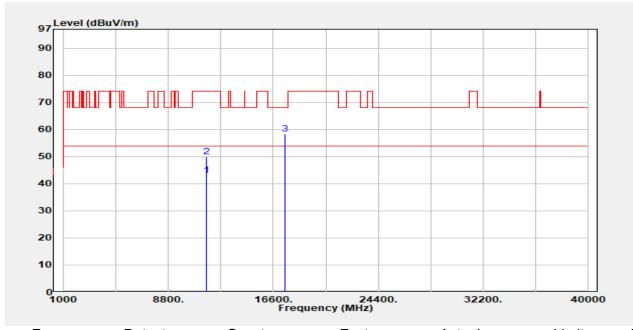
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5825 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	22.51	20.72	43.23	54.00	-10.77
Peak	29.26	20.72	49.99	74.00	-24.01
Peak	30.78	27.65	58.43	68.20	-9.77
	Mode PK/QP/AV Average Peak	Mode Reading Level PK/QP/AV dBμV Average 22.51 Peak 29.26	Mode PK/QP/AV Reading Level dBμV dB Average Peak 22.51 20.72 Peak 29.26 20.72	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 22.51 20.72 43.23 Peak 29.26 20.72 49.99	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 22.51 20.72 43.23 54.00 Peak 29.26 20.72 49.99 74.00

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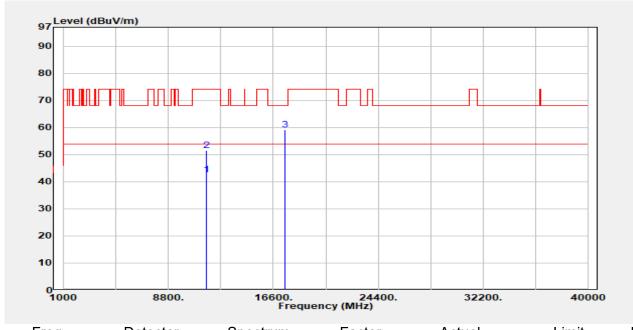
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5825 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11650.00	Average	21.85	20.72	42.57	54.00	-11.43
11650.00	Peak	30.76	20.72	51.48	74.00	-22.52
17475.00	Peak	31.59	27.65	59.24	68.20	-8.96

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:Tx CH Low

Report No.: ER/2022/30038

:Vertical

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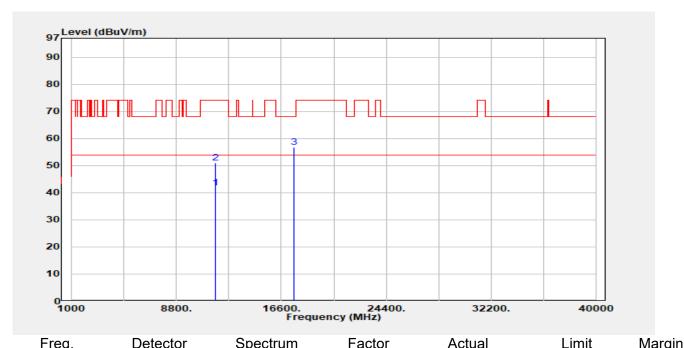
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5845 MHz Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



1 104.	Mode	Reading Level	i doto:	FS	@3m	mai gii i
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dΒμV/m	dB
11690.0	00 Average	21.18	20.65	41.83	54.00	-12.17
11690.0	00 Peak	30.29	20.65	50.94	74.00	-23.06
17535.0	00 Peak	29.09	27.65	56.74	68.20	-11.46

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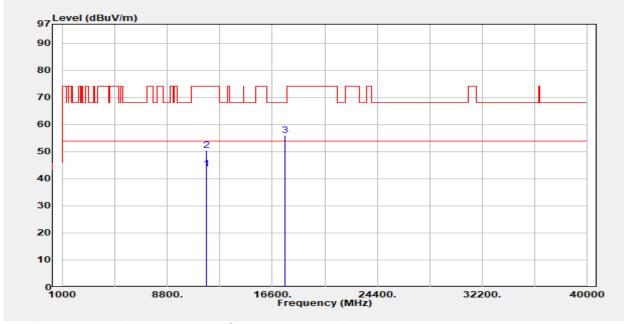
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5845 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11690.00	Average	23.08	20.65	43.73	54.00	-10.27
11690.00	Peak	29.69	20.65	50.34	74.00	-23.66
17535.00	Peak	28.27	27.65	55.92	68.20	-12.28

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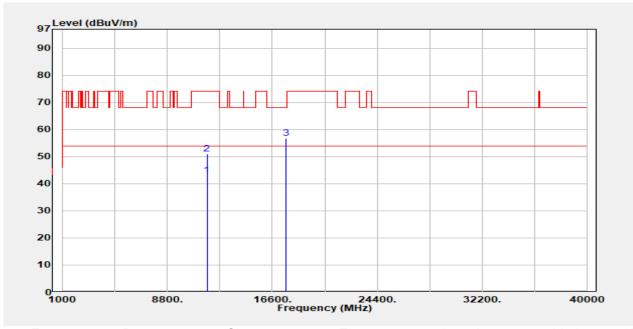
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5865 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH Mid Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11730.00	Average	22.37	20.73	43.10	54.00	-10.90
11730.00	Peak	30.19	20.73	50.92	74.00	-23.08
17595.00	Peak	28.44	28.46	56.89	68.20	-11.31

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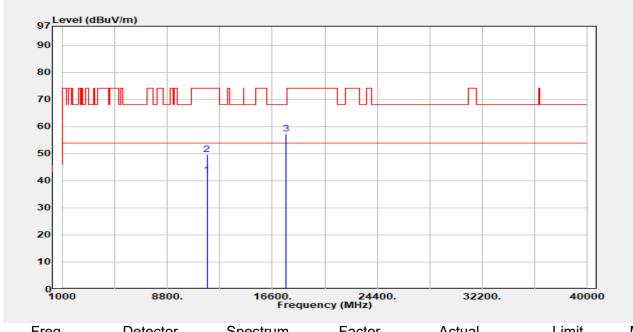
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5865 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11730.00	Average	21.45	20.73	42.18	54.00	-11.82
11730.00	Peak	28.91	20.73	49.64	74.00	-24.36
17595.00	Peak	28.84	28.46	57.30	68.20	-10.90

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:Tx CH High

Report No.: ER/2022/30038

:Vertical

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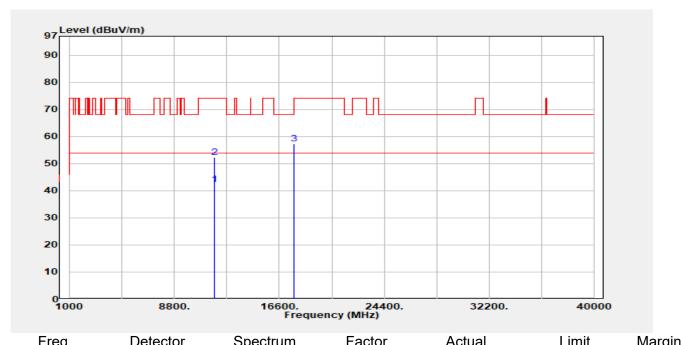
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

:5885 MHz Test Frequency Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



r req.	Mode	Reading Level	i actor	FS	@3m	iviaigiii
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11770.00	Average	21.84	20.46	42.30	54.00	-11.70
11770.00	Peak	31.92	20.46	52.39	74.00	-21.61
17655.00	Peak	28.98	28.37	57.35	68.20	-10.85

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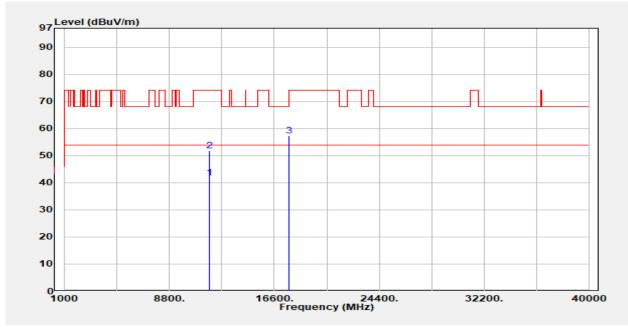
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-02

Test Frequency :5885 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
11770.00	Average	21.30	20.46	41.76	54.00	-12.24
11770.00	Peak	31.24	20.46	51.70	74.00	-22.30
17655.00	Peak	28.99	28.37	57.36	68.20	-10.84

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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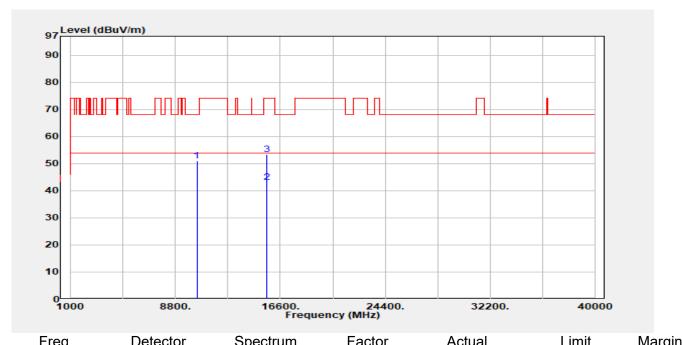
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5190 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



r req.	Mode	Reading Level	i actor	FS	@3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
10380.00	Peak	32.20	18.83	51.03	68.20	-17.17
15570.00	Average	21.05	22.00	43.05	54.00	-10.95
15570.00	Peak	31.29	22.00	53.28	74.00	-20.72

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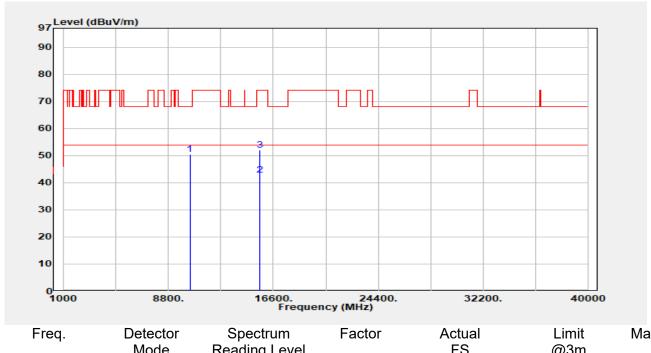
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5190 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Peak	31.68	18.83	50.51	68.20	-17.69
Average	20.93	22.00	42.93	54.00	-11.07
Peak	29.99	22.00	51.98	74.00	-22.02
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 31.68 Average 20.93	Mode PK/QP/AV Reading Level dBμV dB Peak Average 31.68 18.83 22.00	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Peak 31.68 18.83 50.51 Average 20.93 22.00 42.93	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 31.68 18.83 50.51 68.20 Average 20.93 22.00 42.93 54.00

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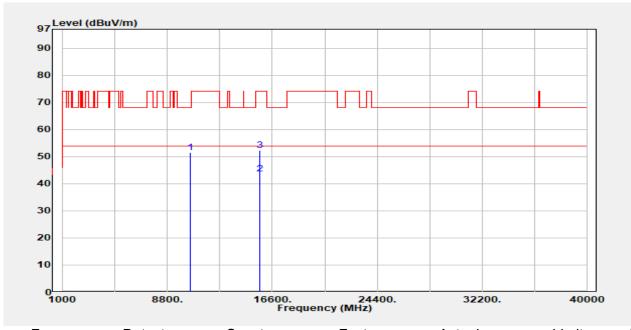
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5230 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	32.40	19.23	51.63	68.20	-16.57
Average	22.02	21.58	43.60	54.00	-10.40
Peak	30.69	21.58	52.28	74.00	-21.72
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 32.40 Average 22.02	Mode PK/QP/AV Reading Level dBμV dB Peak Average 32.40 19.23 Average 22.02 21.58	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Peak 32.40 19.23 51.63 Average 22.02 21.58 43.60	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 32.40 19.23 51.63 68.20 Average 22.02 21.58 43.60 54.00

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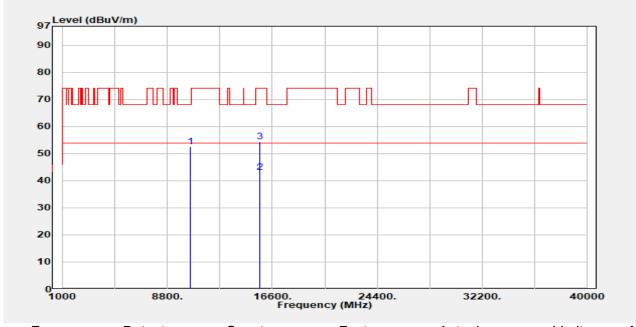
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5230 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
10460.00	Peak	33.41	19.23	52.64	68.20	-15.56
15690.00	Average	21.42	21.58	43.00	54.00	-11.00
15690.00	Peak	32.81	21.58	54.39	74.00	-19.61

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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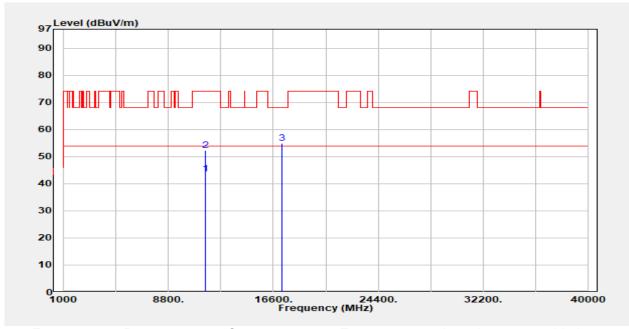
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5755 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11510.00	Average	21.25	22.40	43.65	54.00	-10.35
11510.00	Peak	29.82	22.40	52.23	74.00	-21.77
17265.00	Peak	29.47	25.41	54.88	68.20	-13.32

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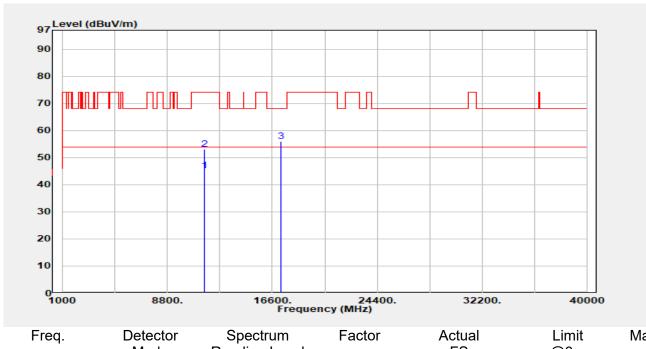
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5755 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Mid Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
11510.00	Average	22.84	22.40	45.24	54.00	-8.76
11510.00	Peak	30.83	22.40	53.23	74.00	-20.77
17265.00	Peak	30.66	25.41	56.07	68.20	-12.13

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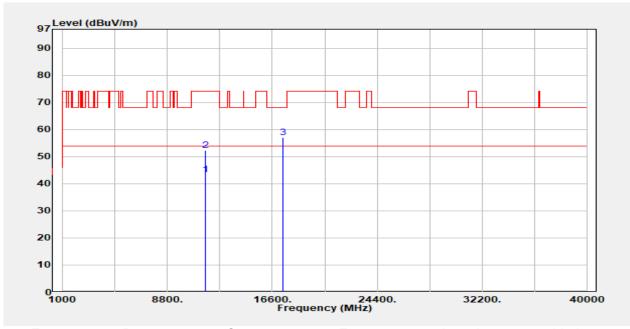
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5795 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11590.00	Average	22.61	20.79	43.40	54.00	-10.60
11590.00	Peak	31.62	20.79	52.40	74.00	-21.60
17385.00	Peak	29.12	28.02	57.14	68.20	-11.06

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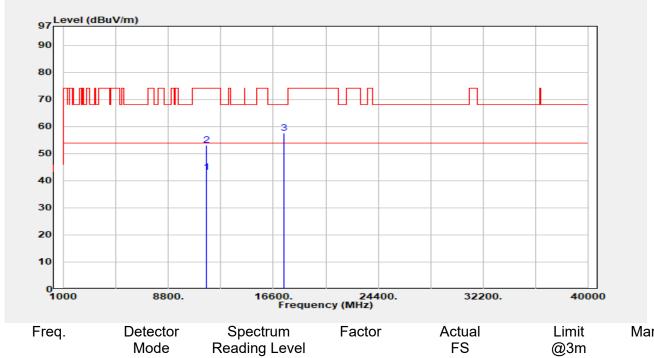
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5795 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11590.00	Average	22.39	20.79	43.18	54.00	-10.82
11590.00	Peak	32.18	20.79	52.97	74.00	-21.03
17385.00	Peak	29.46	28.02	57.49	68.20	-10.71

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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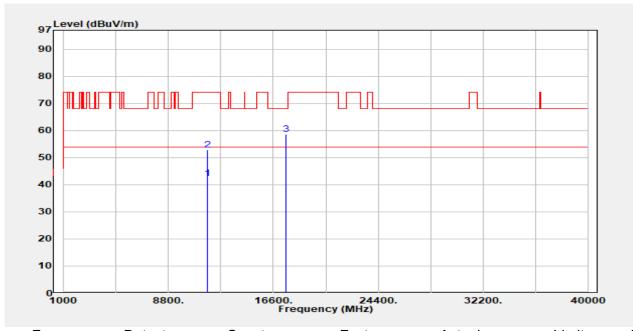
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5835 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11670.00	Average	21.63	20.63	42.26	54.00	-11.74
11670.00	Peak	32.29	20.63	52.92	74.00	-21.08
17505.00	Peak	31.30	27.29	58.59	68.20	-9.61

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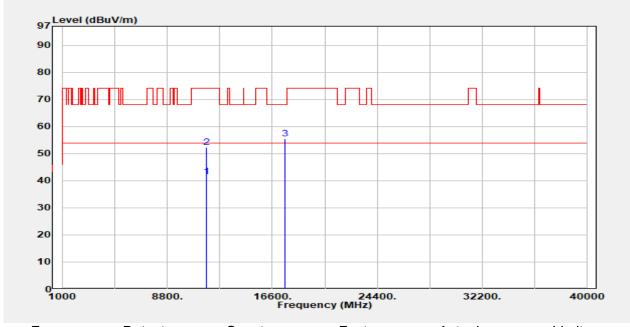
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5835 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11670.00	Average	21.02	20.63	41.65	54.00	-12.35
11670.00	Peak	31.55	20.63	52.18	74.00	-21.82
17505.00	Peak	28.20	27.29	55.50	68.20	-12.70

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:Tx CH High

Report No.: ER/2022/30038

:Vertical

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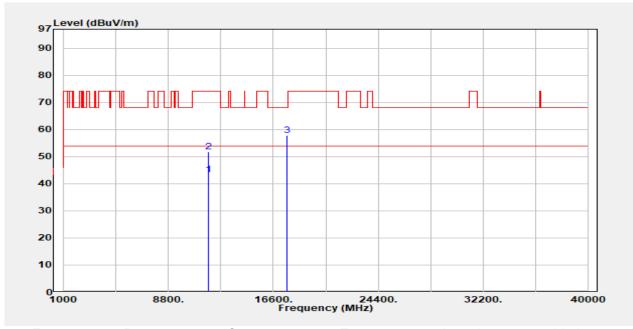
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5875 MHz Temp./Humi. :27.1/67 Test Mode

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	22.67	20.61	43.28	54.00	-10.72
Peak	31.26	20.61	51.87	74.00	-22.13
Peak	29.82	28.10	57.92	68.20	-10.28
	PK/QP/AV Average Peak	Mode Reading Level dBμV Average 22.67 Peak 31.26	Mode PK/QP/AV Reading Level dBμV dB Average Peak 22.67 20.61 20.61 20.61	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 22.67 20.61 43.28 Peak 31.26 20.61 51.87	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 22.67 20.61 43.28 54.00 Peak 31.26 20.61 51.87 74.00

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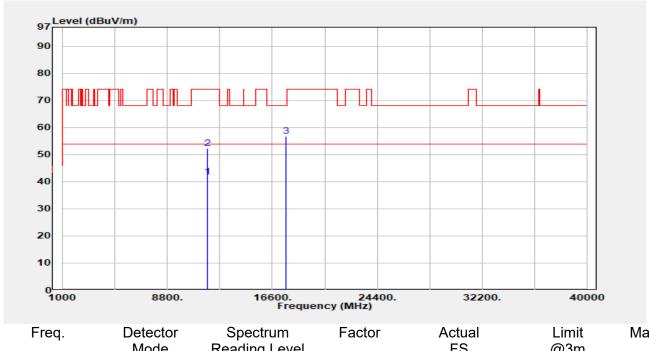
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-02

Test Frequency :5875 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11750.00	Average	21.10	20.61	41.71	54.00	-12.29
11750.00	Peak	31.59	20.61	52.20	74.00	-21.80
17625.00	Peak	28.78	28.10	56.87	68.20	-11.33

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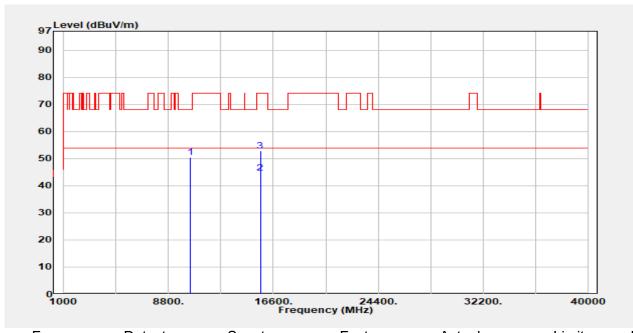
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Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5210 MHz Temp./Humi. :27.1/67
Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



	Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
_	MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
	10420.00	Peak	30.86	19.66	50.51	68.20	-17.69
	15630.00	Average	23.01	21.79	44.80	54.00	-9.20
	15630.00	Peak	30.93	21.79	52.72	74.00	-21.28

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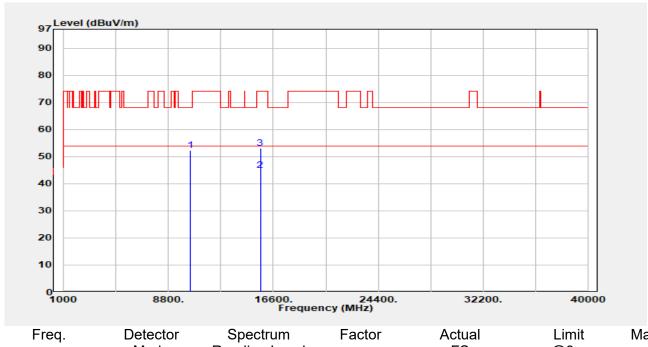
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

:5210 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	32.76	19.66	52.42	68.20	-15.78
Average	23.21	21.79	45.00	54.00	-9.00
Peak	31.27	21.79	53.06	74.00	-20.94
	Mode PK/QP/AV Peak Average	Mode Reading Level dBμV Peak 32.76 Average 23.21	Mode PK/QP/AV Reading Level dB μV dB Peak Average 32.76 19.66 Average 23.21 21.79	Mode PK/QP/AV Reading Level dB μV FS dBμV/m Peak 32.76 19.66 Average 23.21 21.79 45.00 19.66 52.42 45.00	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak Average 32.76 19.66 52.42 68.20 Average 23.21 21.79 45.00 54.00

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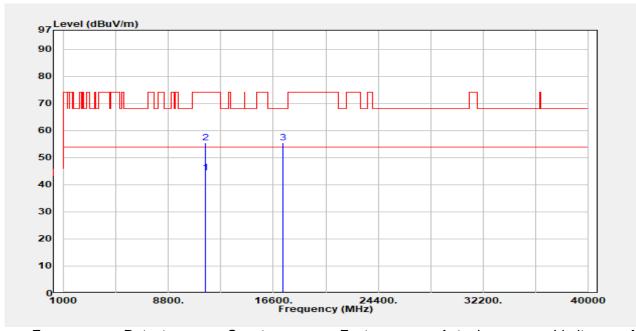
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Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :27.1/67
Test Mode :Tx CH Low Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11550.00	Average	22.51	21.91	44.42	54.00	-9.58
11550.00	Peak	33.55	21.91	55.47	74.00	-18.53
17325.00	Peak	29.55	25.95	55.50	68.20	-12.70

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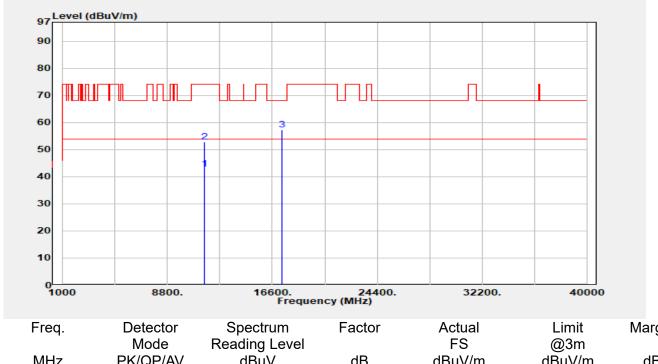
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11550.00	Average	21.05	21.91	42.96	54.00	-11.04
11550.00	Peak	31.05	21.91	52.96	74.00	-21.04
17325.00	Peak	31.48	25.95	57.43	68.20	-10.77

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:Tx CH Low

Test Mode

Report No.: ER/2022/30038

:Vertical

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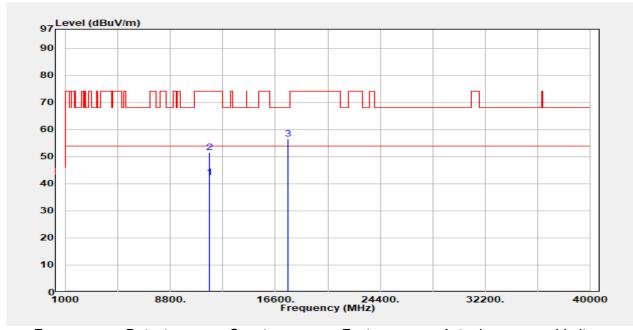
Antenna Pol.

Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5855 MHz Temp./Humi. :27.1/67

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11710.00	Average	21.51	20.73	42.24	54.00	-11.76
11710.00	Peak	30.76	20.73	51.49	74.00	-22.51
17565.00	Peak	28.95	27.53	56.48	68.20	-11.72

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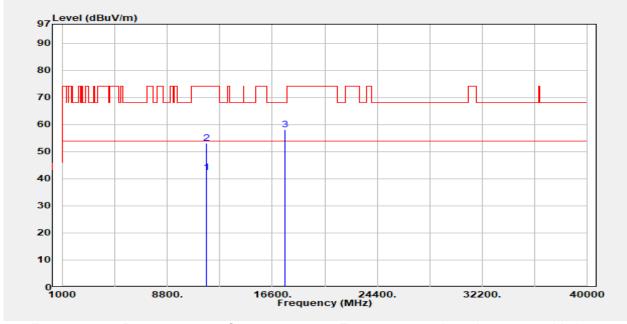
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5855 MHz Temp./Humi. :27.1/67

Test Mode :Tx CH Low Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11710.00	Average	21.51	20.73	42.24	54.00	-11.76
11710.00	Peak	32.25	20.73	52.98	74.00	-21.02
17565.00	Peak	30.51	27.53	58.04	68.20	-10.16

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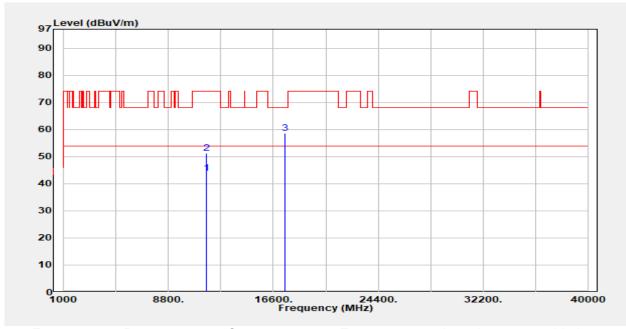
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Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax160 Test Date :2022-04-02

Test Frequency :5815 MHz Temp./Humi. :27.1/67 Test Mode :Tx CH High Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
11630.00	Average	23.15	20.83	43.98	54.00	-10.02
11630.00	Peak	30.35	20.83	51.18	74.00	-22.82
17445.00	Peak	30.00	28.55	58.55	68.20	-9.65

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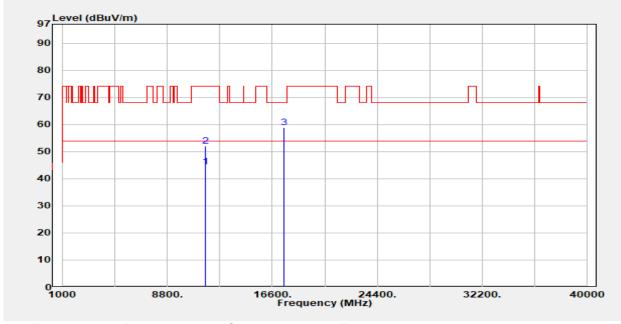
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax160 Test Date :2022-04-02

:5815 MHz Test Frequency Temp./Humi. :27.1/67

Test Mode :Tx CH High Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
11630.00	Average	23.51	20.83	44.34	54.00	-9.66
11630.00	Peak	31.10	20.83	51.93	74.00	-22.07
17445.00	Peak	30.30	28.55	58.85	68.20	-9.35

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11.6.2 Band edge falling to restricted band BeamForming OFF

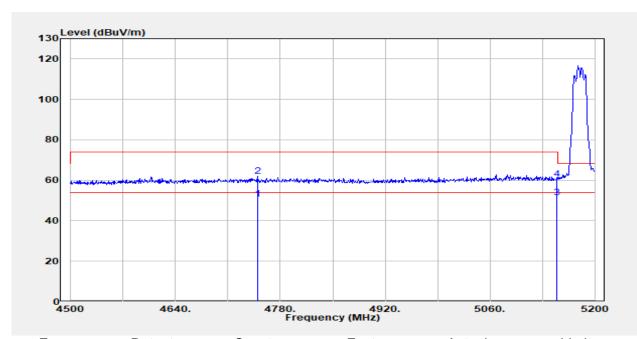
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5180 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
4749.20	Average	43.32	7.37	50.69	54.00	-3.31
4749.20	Peak	54.51	7.37	61.88	74.00	-12.12
5150.00	Average	43.07	8.50	51.57	54.00	-2.43
5150.00	Peak	51.94	8.50	60.44	74.00	-13.56

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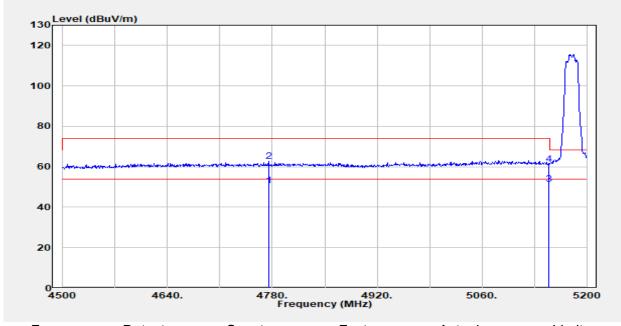
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5180 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	43.25	7.37	50.62	54.00	-3.38
Peak	55.24	7.37	62.62	74.00	-11.38
Average	42.92	8.50	51.42	54.00	-2.58
Peak	52.93	8.50	61.43	74.00	-12.57
	Mode PK/QP/AV Average Peak Average	Mode Reading Level dBμV Average 43.25 Peak 55.24 Average 42.92	Mode PK/QP/AV Reading Level dBμV dB Average Peak Peak Peak Average 42.92 43.25 7.37 7.37 8.50	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average Peak 55.24 Peak Average 42.92 43.25 7.37 62.62 62.62 8.50 51.42	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 55.24 7.37 Average 42.92 7.37 62.62 74.00

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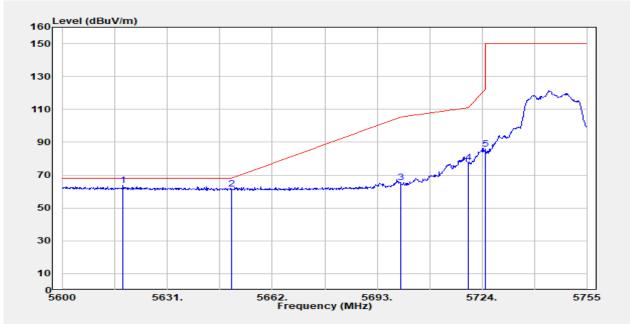
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5745 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5617.83	Peak	54.62	8.91	63.53	68.20	-4.67
5650.00	Peak	53.11	8.48	61.59	68.20	-6.61
5700.00	Peak	56.09	9.42	65.52	105.20	-39.68
5720.00	Peak	68.19	9.51	77.69	110.80	-33.11
5725.00	Peak	76.30	9.53	85.83	122.20	-36.37

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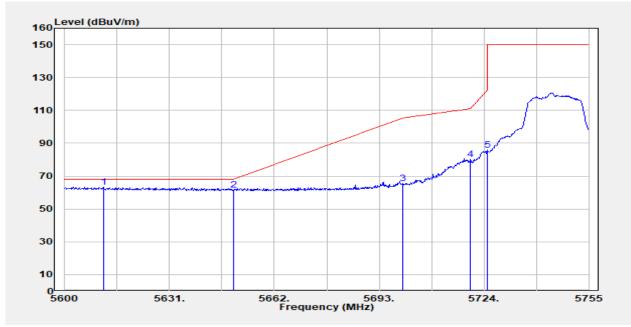
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5745 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5611.47	Peak	54.22	9.00	63.22	68.20	-4.98
5650.00	Peak	53.09	8.48	61.57	68.20	-6.63
5700.00	Peak	56.18	9.42	65.60	105.20	-39.60
5720.00	Peak	70.64	9.51	80.15	110.80	-30.65
5725.00	Peak	76.17	9.53	85.70	122.20	-36.50

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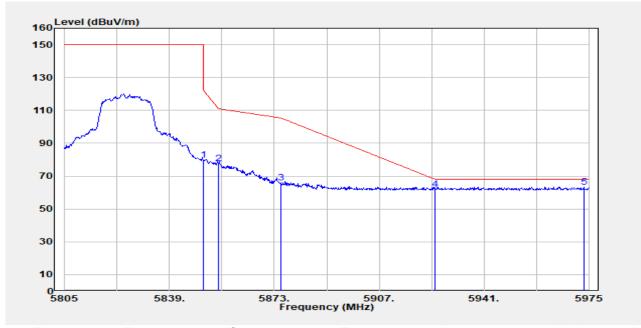
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5825 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	70.39	9.58	79.97	122.20	-42.23
Peak	68.23	9.60	77.82	110.80	-32.98
Peak	56.34	9.66	66.00	105.20	-39.20
Peak	52.52	9.64	62.16	68.20	-6.04
Peak	53.57	9.76	63.33	68.20	-4.87
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 70.39 Peak 68.23 Peak 56.34 Peak 52.52	Mode PK/QP/AV Reading Level dBμV dB Peak 70.39 9.58 Peak 68.23 9.60 Peak 56.34 9.66 Peak 52.52 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 70.39 9.58 79.97 Peak 68.23 9.60 77.82 Peak 56.34 9.66 66.00 Peak 52.52 9.64 62.16	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 70.39 9.58 79.97 122.20 Peak 68.23 9.60 77.82 110.80 Peak 56.34 9.66 66.00 105.20 Peak 52.52 9.64 62.16 68.20

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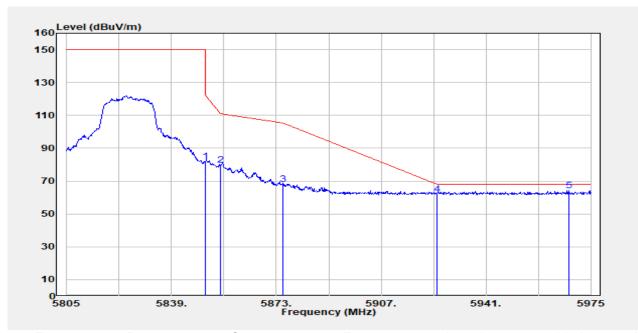
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a Test Date :2022-03-15

Test Frequency :5825 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5850.00	Peak	72.47	9.58	82.05	122.20	-40.15
5855.00	Peak	70.32	9.60	79.91	110.80	-30.89
5875.00	Peak	58.34	9.66	68.00	105.20	-37.20
5925.00	Peak	52.38	9.64	62.02	68.20	-6.18
5967.86	Peak	54.51	9.71	64.22	68.20	-3.98

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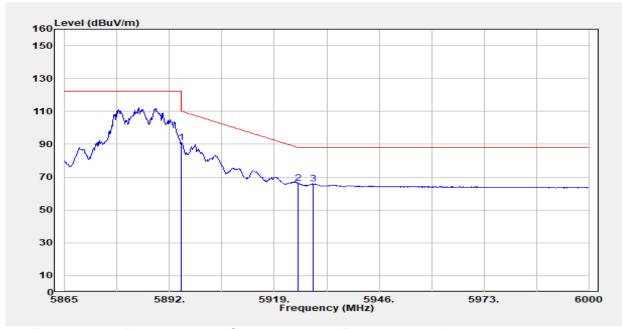
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a **Test Date** :2022-03-25

Test Frequency :5885 MHz Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	82.03	8.86	90.89	110.20	-19.31
5925.00	Average	57.38	8.85	66.23	88.20	-21.97
5928.99	Average	57.01	8.84	65.86	88.20	-22.34

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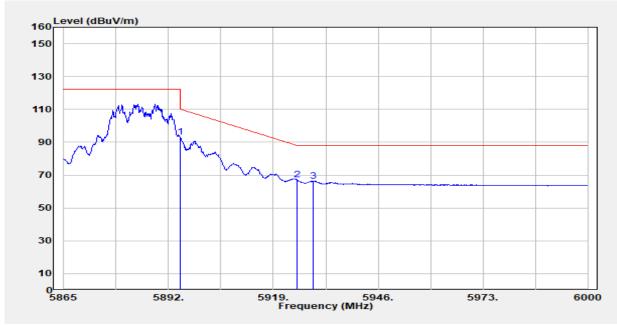
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11a **Test Date** :2022-03-25

Test Frequency :5885 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	84.40	8.86	93.26	110.20	-16.94
5925.00	Average	58.30	8.85	67.15	88.20	-21.05
5929.26	Average	57.53	8.84	66.37	88.20	-21.83

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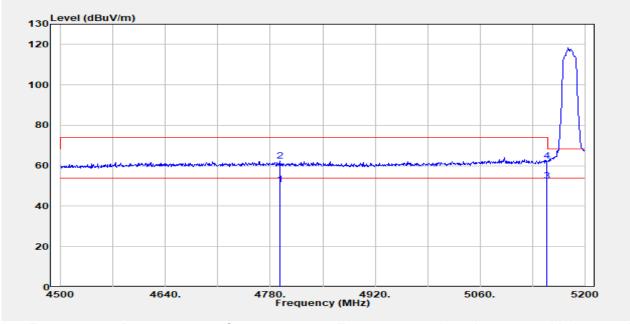
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-15

Test Frequency :5180 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	43.24	7.38	50.62	54.00	-3.38
Peak	55.05	7.38	62.42	74.00	-11.58
Average	44.08	8.50	52.58	54.00	-1.42
Peak	53.81	8.50	62.31	74.00	-11.69
	Mode PK/QP/AV Average Peak Average	Mode Reading Level PK/QP/AV dBμV Average 43.24 Peak 55.05 Average 44.08	Mode PK/QP/AV Reading Level dBμV dB Average Peak Peak Average 44.08 43.24 7.38 7.38 7.38 7.38 7.38 7.38 7.38 7.38	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average Peak 55.05 Peak Average 44.08 43.24 7.38 50.62 62.42 62.42 8.50 52.58	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 55.05 Peak Average 44.08 43.24 Peak 55.05 Pe

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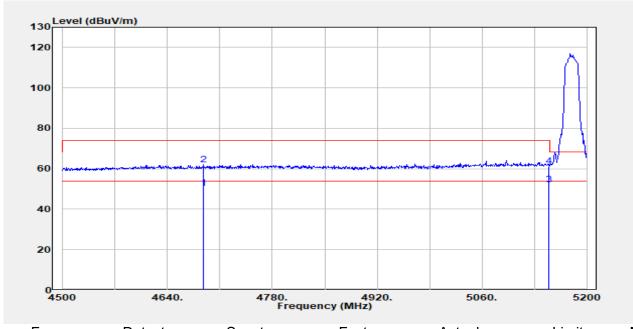
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-15

Test Frequency :5180 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4688.30	Average	43.19	7.26	50.45	54.00	-3.55
4688.30	Peak	54.71	7.26	61.98	74.00	-12.02
5150.00	Average	43.57	8.50	52.07	54.00	-1.93
5150.00	Peak	52.87	8.50	61.37	74.00	-12.63

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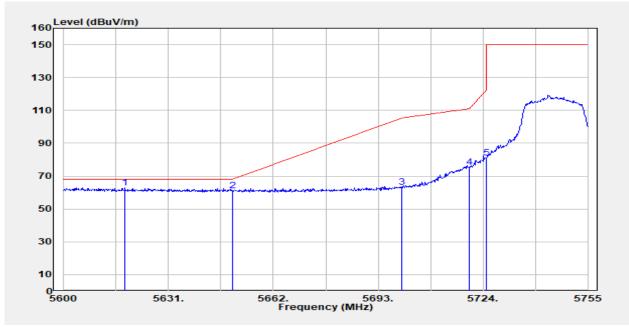
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-15

Test Frequency :5745 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5618.14	Peak	53.96	8.91	62.87	68.20	-5.33
5650.00	Peak	52.82	8.48	61.29	68.20	-6.91
5700.00	Peak	53.79	9.42	63.21	105.20	-41.99
5720.00	Peak	66.08	9.51	75.58	110.80	-35.22
5725.00	Peak	71.67	9.53	81.20	122.20	-41.00

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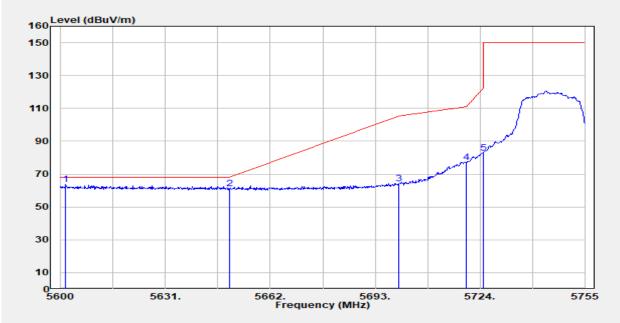
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-15

Test Frequency :5745 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5601.40	Peak	54.73	9.14	63.86	68.20	-4.34
5650.00	Peak	52.54	8.48	61.01	68.20	-7.19
5700.00	Peak	54.72	9.42	64.15	105.20	-41.05
5720.00	Peak	67.71	9.51	77.21	110.80	-33.59
5725.00	Peak	73.11	9.53	82.64	122.20	-39.56

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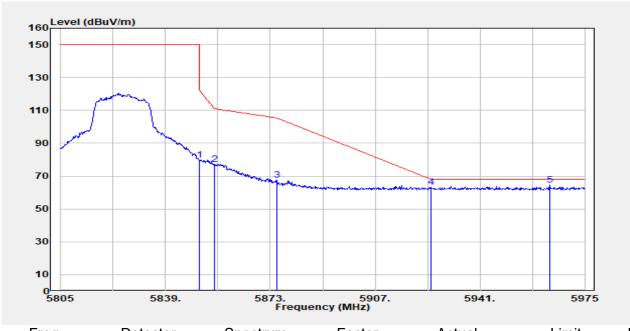
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-15

Test Frequency :5825 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5850.00	Peak	70.16	9.58	79.74	122.20	-42.46
5855.00	Peak	67.44	9.60	77.03	110.80	-33.77
5875.00	Peak	58.15	9.66	67.81	105.20	-37.39
5925.00	Peak	53.51	9.64	63.15	68.20	-5.05
5963.61	Peak	54.82	9.67	64.48	68.20	-3.72

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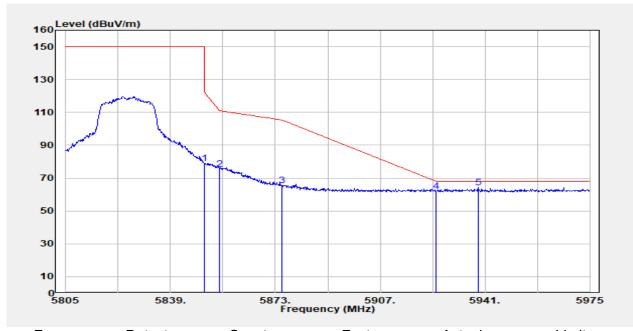
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-15

Test Frequency :5825 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	69.25	9.58	78.83	122.20	-43.37
5855.00	Peak	66.03	9.60	75.63	110.80	-35.17
5875.00	Peak	55.73	9.66	65.39	105.20	-39.81
5925.00	Peak	52.40	9.64	62.04	68.20	-6.16
5938.96	Peak	54.41	9.58	64.00	68.20	-4.20

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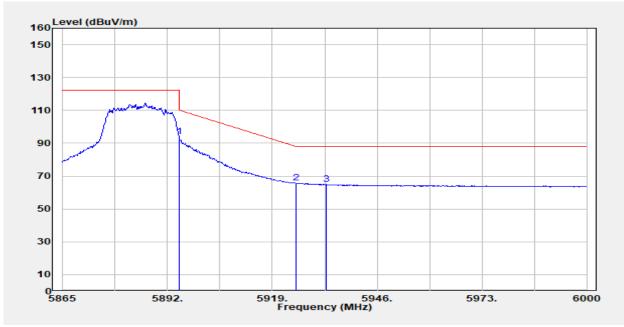
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-03-25

Test Frequency :5885 MHz Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5895.00	Average	85.24	8.86	94.10	110.20	-16.10
5925.00	Average	56.90	8.85	65.75	88.20	-22.45
5932.91	Average	56.04	8.84	64.88	88.20	-23.32

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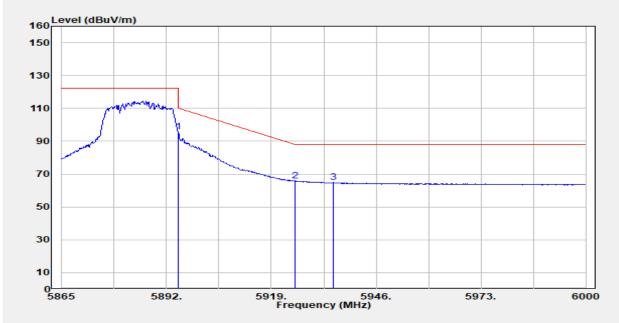
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-03-25

Test Frequency :5885 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
5895.00	Average	86.83	8.86	95.69	110.20	-14.51
5925.00 5934.93	Average Average	56.97 55.99	8.85 8.84	65.82 64.84	88.20 88.20	-22.38 -23.36

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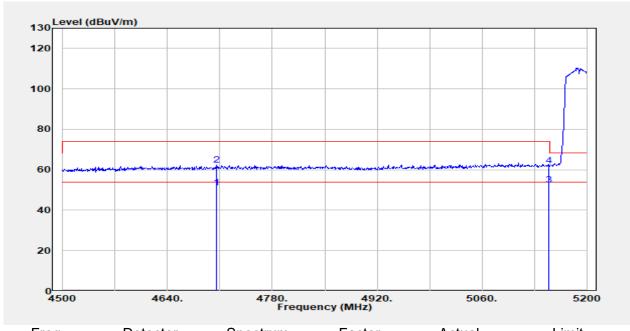
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-15

:5190 MHz Test Frequency Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4705.80	Average	43.71	7.35	51.06	54.00	-2.95
4705.80	Peak	55.08	7.35	62.43	74.00	-11.57
5150.00	Average	43.98	8.50	52.48	54.00	-1.52
5150.00	Peak	53.34	8.50	61.83	74.00	-12.17

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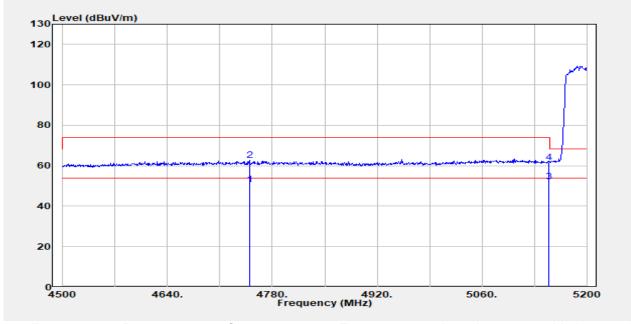
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-15

Test Frequency :5190 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4749.20	Average	43.53	7.37	50.90	54.00	-3.10
4749.20	Peak	55.17	7.37	62.54	74.00	-11.46
5150.00	Average	43.59	8.50	52.09	54.00	-1.91
5150.00	Peak	53.04	8.50	61.54	74.00	-12.46

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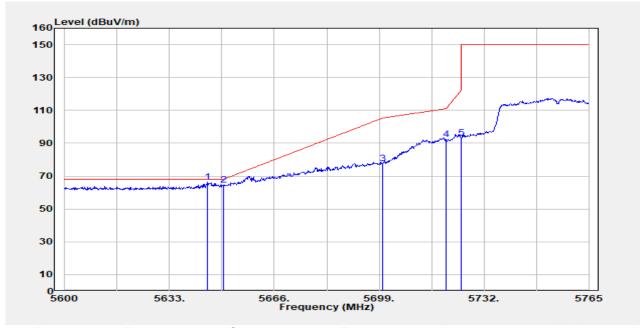
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-15

Test Frequency :5755 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	57.67	8.54	66.21	68.20	-1.99
Peak	56.18	8.48	64.66	68.20	-3.54
Peak	68.33	9.42	77.76	105.20	-27.44
Peak	82.72	9.51	92.23	110.80	-18.57
Peak	83.90	9.53	93.43	122.20	-28.77
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 57.67 Peak 56.18 Peak 68.33 Peak 82.72	Mode PK/QP/AV Reading Level dBμV dB Peak 57.67 8.54 Peak 56.18 8.48 Peak 68.33 9.42 Peak 82.72 9.51	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Peak 57.67 8.54 66.21 Peak 56.18 8.48 64.66 Peak 68.33 9.42 77.76 Peak 82.72 9.51 92.23	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 57.67 8.54 66.21 68.20 Peak 56.18 8.48 64.66 68.20 Peak 68.33 9.42 77.76 105.20 Peak 82.72 9.51 92.23 110.80

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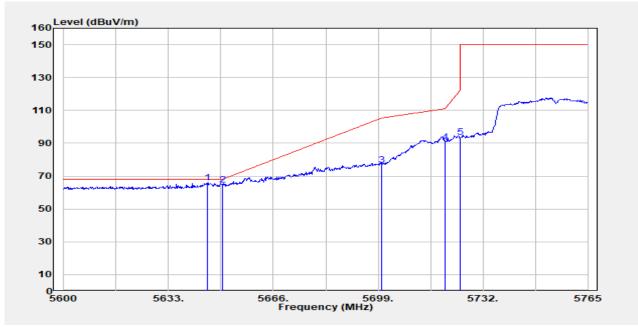
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-15

Test Frequency :5755 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz_	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5645.21	Peak	57.49	8.54	66.03	68.20	-2.17
5650.00	Peak	56.27	8.48	64.75	68.20	-3.45
5700.00	Peak	67.51	9.42	76.93	105.20	-28.27
5720.00	Peak	81.08	9.51	90.59	110.80	-20.21
5725.00	Peak	84.34	9.53	93.86	122.20	-28.34

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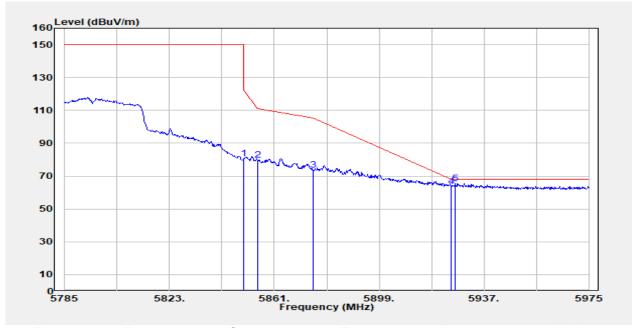
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-15

Test Frequency :5795 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	70.88	9.58	80.46	122.20	-41.74
Peak	70.14	9.60	79.73	110.80	-31.07
Peak	63.93	9.66	73.59	105.20	-31.61
Peak	54.08	9.64	63.72	68.20	-4.48
Peak	55.97	9.63	65.61	68.20	-2.59
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 70.88 Peak 70.14 Peak 63.93 Peak 54.08	Mode PK/QP/AV Reading Level dBμV dB Peak 70.88 9.58 Peak 70.14 9.60 Peak 63.93 9.66 Peak 54.08 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 70.88 9.58 80.46 Peak 70.14 9.60 79.73 Peak 63.93 9.66 73.59 Peak 54.08 9.64 63.72	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 70.88 9.58 80.46 122.20 Peak 70.14 9.60 79.73 110.80 Peak 63.93 9.66 73.59 105.20 Peak 54.08 9.64 63.72 68.20

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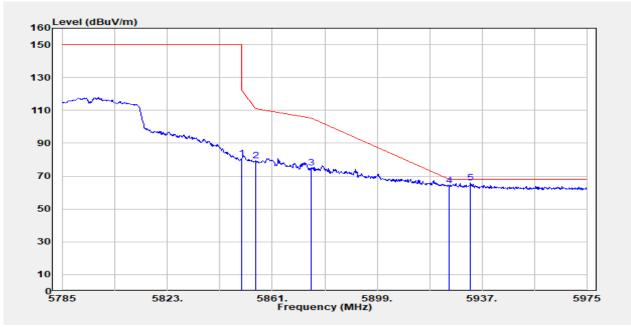
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-15

Test Frequency :5795 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5850.00	Peak	70.95	9.58	80.53	122.20	-41.67
5855.00	Peak	69.60	9.60	79.20	110.80	-31.60
5875.00	Peak	65.23	9.66	74.89	105.20	-30.31
5925.00	Peak	54.68	9.64	64.32	68.20	-3.88
5932.82	Peak	56.18	9.61	65.79	68.20	-2.41

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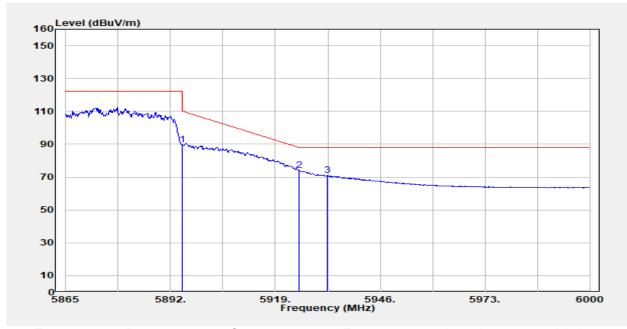
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 **Test Date** :2022-03-25

Test Frequency :5875 MHz Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	80.98	8.86	89.84	110.20	-20.36
5925.00	Average	65.30	8.85	74.15	88.20	-14.05
5932.37	Average	62.06	8.84	70.90	88.20	-17.30

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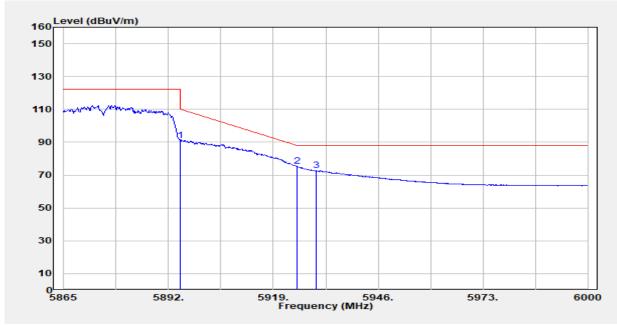
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 **Test Date** :2022-03-25

Test Frequency :5875 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	82.26	8.86	91.12	110.20	-19.08
5925.00	Average	66.49	8.85	75.34	88.20	-12.86
5930.07	Average	63.81	8.84	72.65	88.20	-15.55

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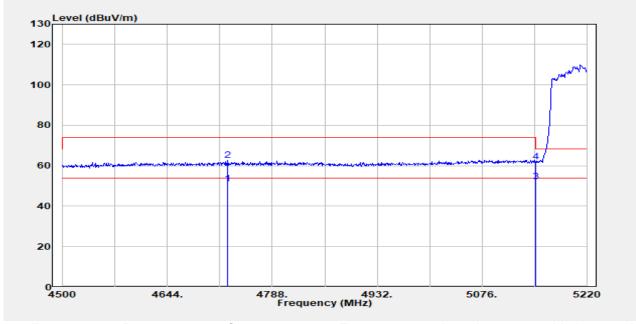
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-15

Test Frequency :5210 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4726.80	Average	43.64	7.36	51.00	54.00	-3.00
4726.80	Peak	55.38	7.36	62.74	74.00	-11.26
5150.00	Average	43.52	8.50	52.02	54.00	-1.98
5150.00	Peak	53.44	8.50	61.94	74.00	-12.06

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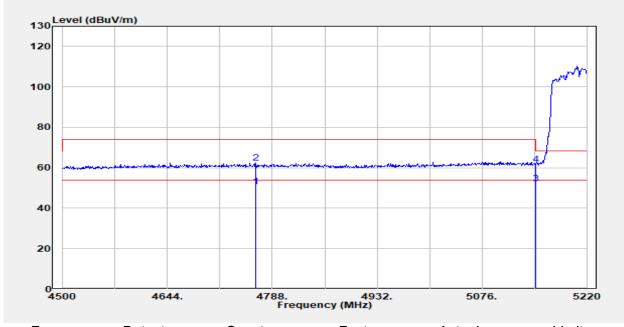
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-15

Test Frequency :5210 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4764.96	Average	43.51	7.37	50.88	54.00	-3.12
4764.96	Peak	55.01	7.37	62.38	74.00	-11.62
5150.00	Average	43.57	8.50	52.07	54.00	-1.93
5150.00	Peak	53.07	8.50	61.56	74.00	-12.44

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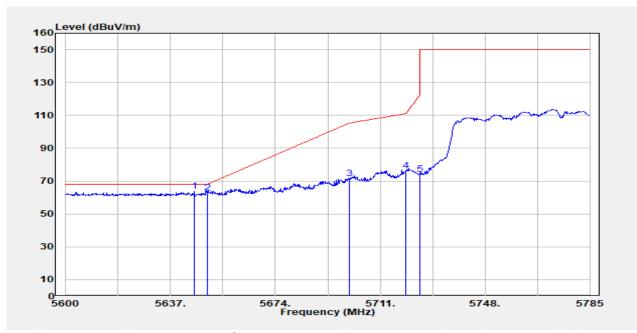
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	55.30	8.54	63.84	68.20	-4.36
Peak	54.47	8.48	62.95	68.20	-5.25
Peak	62.18	9.42	71.60	105.20	-33.60
Peak	66.69	9.51	76.20	110.80	-34.60
Peak	64.51	9.53	74.04	122.20	-48.16
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 55.30 Peak 54.47 Peak 62.18 Peak 66.69	Mode PK/QP/AV Reading Level dBμV dB Peak 55.30 8.54 Peak 54.47 8.48 Peak 62.18 9.42 Peak 66.69 9.51	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 55.30 8.54 63.84 Peak 54.47 8.48 62.95 Peak 62.18 9.42 71.60 Peak 66.69 9.51 76.20	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 55.30 8.54 63.84 68.20 Peak 54.47 8.48 62.95 68.20 Peak 62.18 9.42 71.60 105.20 Peak 66.69 9.51 76.20 110.80

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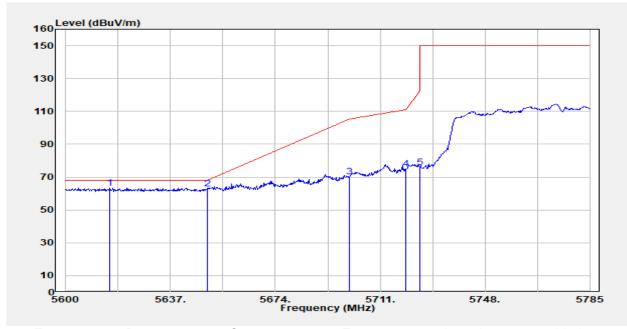
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5615.54	Peak	54.43	8.94	63.37	68.20	-4.83
5650.00	Peak	54.56	8.48	63.04	68.20	-5.16
5700.00	Peak	60.61	9.42	70.03	105.20	-35.17
5720.00	Peak	65.31	9.51	74.82	110.80	-35.98
5725.00	Peak	66.48	9.53	76.01	122.20	-46.19

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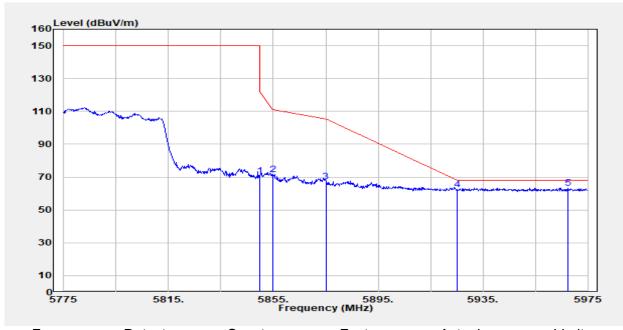
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	61.05	9.58	70.63	122.20	-51.57
Peak	61.78	9.60	71.38	110.80	-39.42
Peak	57.75	9.66	67.41	105.20	-37.79
Peak	52.78	9.64	62.42	68.20	-5.78
Peak	53.74	9.70	63.44	68.20	-4.76
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 61.05 Peak 61.78 Peak 57.75 Peak 52.78	Mode PK/QP/AV Reading Level dBμV dB Peak 61.05 9.58 Peak 61.78 9.60 Peak 57.75 9.66 Peak 52.78 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 61.05 9.58 70.63 Peak 61.78 9.60 71.38 Peak 57.75 9.66 67.41 Peak 52.78 9.64 62.42	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 61.05 9.58 70.63 122.20 Peak 61.78 9.60 71.38 110.80 Peak 57.75 9.66 67.41 105.20 Peak 52.78 9.64 62.42 68.20

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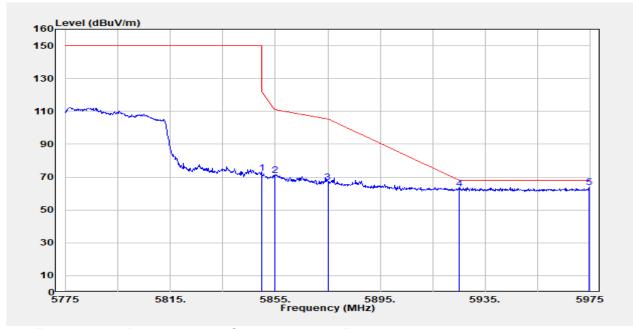
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ac80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5850.00	Peak	62.79	9.58	72.37	122.20	-49.83
5855.00	Peak	61.38	9.60	70.97	110.80	-39.83
5875.00	Peak	56.96	9.66	66.61	105.20	-38.59
5925.00	Peak	53.35	9.64	62.99	68.20	-5.21
5974.60	Peak	54.07	9.77	63.84	68.20	-4.36

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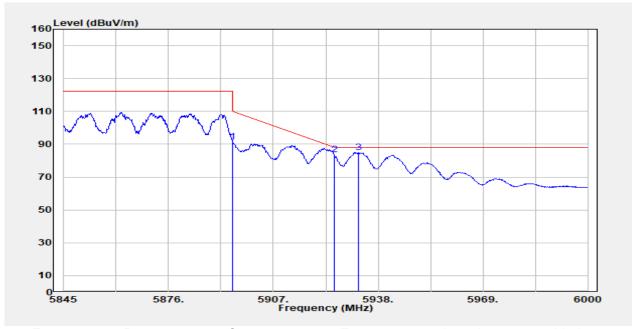
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 **Test Date** :2022-03-25

:5855 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	82.67	8.86	91.53	110.20	-18.67
5925.00	Average	74.72	8.85	83.56	88.20	-4.64
5932.27	Average	76.14	8.84	84.99	88.20	-3.21

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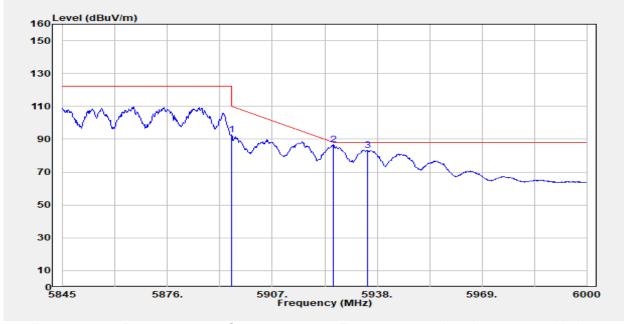
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 **Test Date** :2022-03-25

:5855 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	83.76	8.86	92.62	110.20	-17.58
5925.00	Average	77.70	8.85	86.55	88.20	-1.65
5935.21	Average	74.61	8.84	83.45	88.20	-4.75

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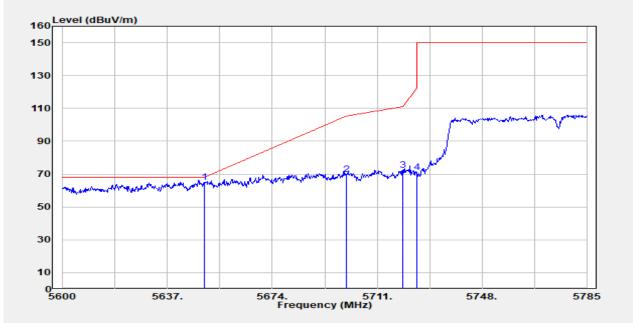
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
 MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	56.43	8.48	64.90	68.20	-3.30
5700.00	Peak	60.39	9.42	69.81	105.20	-35.39
5720.00	Peak	62.95	9.51	72.45	110.80	-38.35
5725.00	Peak	61.59	9.53	71.12	122.20	-51.08

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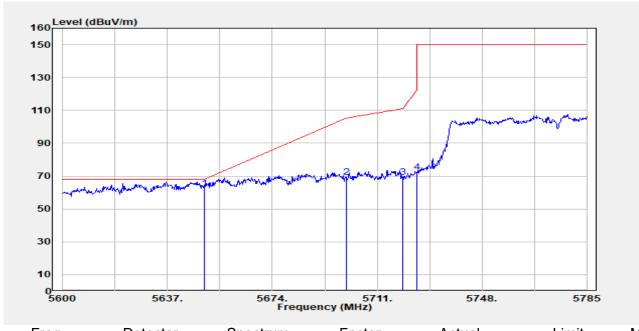
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ac160 Test Date :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5650.00	Peak	54.17	8.48	62.64	68.20	-5.56
5700.00	Peak	60.16	9.42	69.58	105.20	-35.62
5720.00	Peak	60.06	9.51	69.57	110.80	-41.23
5725.00	Peak	62.78	9.53	72.31	122.20	-49.89

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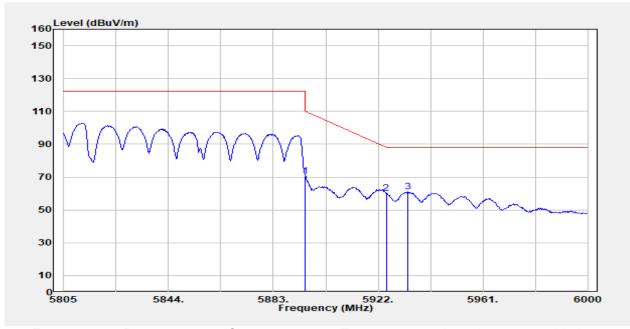
:ER/2022/30038 Test Site :SAC 1 Report Number

Operation Mode :802.11ac160 **Test Date** :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	61.97	8.86	70.83	110.20	-39.37
5925.00	Average	51.49	8.85	60.34	88.20	-27.86
5932.92	Average	52.14	8.84	60.99	88.20	-27.21

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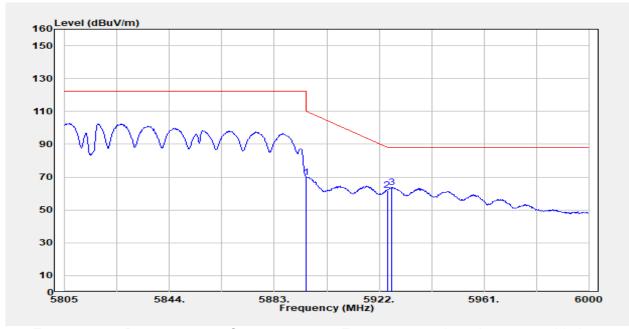
:ER/2022/30038 Test Site :SAC 1 Report Number

Operation Mode :802.11ac160 **Test Date** :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	60.97	8.86	69.83	110.20	-40.37
5925.00	Average	53.23	8.85	62.08	88.20	-26.12
5926.68	Average	54.84	8.85	63.68	88.20	-24.52

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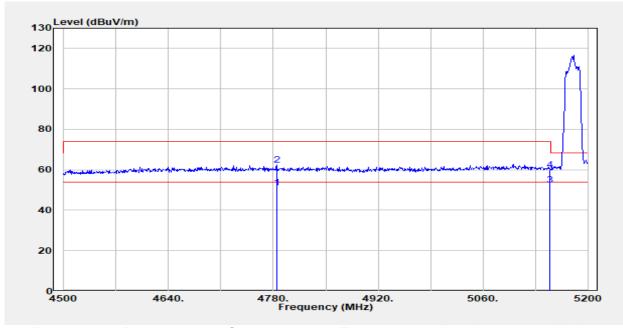
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-03-15

Test Frequency :5180 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
						_
4784.20	Average	43.80	7.37	51.17	54.00	-2.83
4784.20	Peak	55.00	7.37	62.37	74.00	-11.63
5150.00	Average	43.89	8.50	52.39	54.00	-1.61
5150.00	Peak	51.23	8.50	59.72	74.00	-14.28

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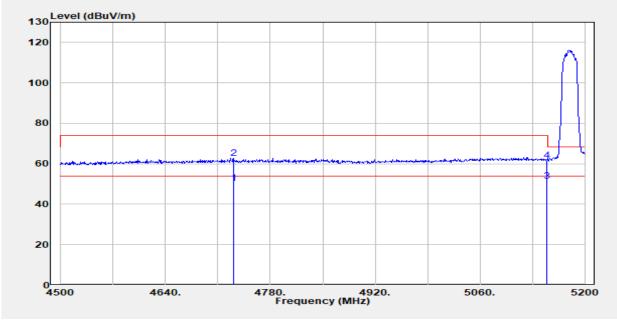
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-03-15

Test Frequency :5180 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
4730.30	Average	43.15	7.36	50.51	54.00	-3.49
4730.30	Peak	55.36	7.36	62.72	74.00	-11.28
5150.00	Average	42.95	8.50	51.45	54.00	-2.55
5150.00	Peak	53.03	8.50	61.52	74.00	-12.48

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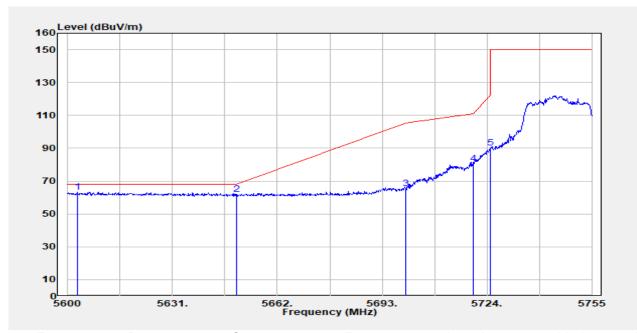
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-03-15

Test Frequency :5745 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5602.79	Peak	54.14	9.12	63.26	68.20	-4.94
5650.00	Peak	53.36	8.48	61.84	68.20	-6.36
5700.00	Peak	56.14	9.42	65.56	105.20	-39.64
5720.00	Peak	71.31	9.51	80.82	110.80	-29.98
5725.00	Peak	80.63	9.53	90.16	122.20	-32.04

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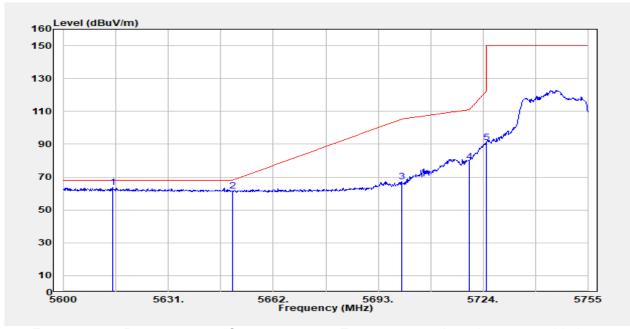
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-03-15

Test Frequency :5745 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5614.42	Peak	54.62	8.96	63.58	68.20	-4.62
5650.00	Peak	53.22	8.48	61.70	68.20	-6.50
5700.00	Peak	57.82	9.42	67.24	105.20	-37.96
5720.00	Peak	70.01	9.51	79.52	110.80	-31.28
5725.00	Peak	81.52	9.53	91.05	122.20	-31.15

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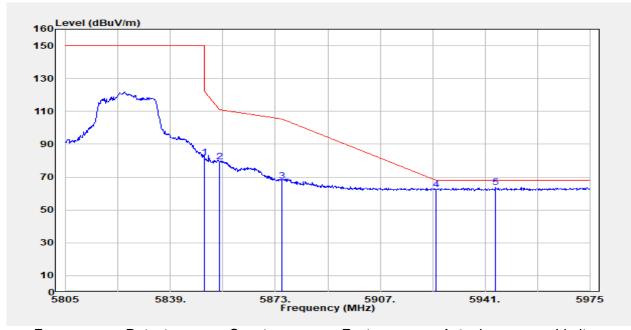
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax20 Test Date :2022-03-15

Test Frequency :5825 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	72.20	9.58	81.78	122.20	-40.42
Peak	69.77	9.60	79.36	110.80	-31.44
Peak	58.16	9.66	67.82	105.20	-37.38
Peak	52.85	9.64	62.49	68.20	-5.71
Peak	54.36	9.56	63.92	68.20	-4.28
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 72.20 Peak 69.77 Peak 58.16 Peak 52.85	Mode PK/QP/AV Reading Level dBμV dB Peak 72.20 9.58 Peak 69.77 9.60 Peak 58.16 9.66 Peak 52.85 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 72.20 9.58 81.78 Peak 69.77 9.60 79.36 Peak 58.16 9.66 67.82 Peak 52.85 9.64 62.49	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 72.20 9.58 81.78 122.20 Peak 69.77 9.60 79.36 110.80 Peak 58.16 9.66 67.82 105.20 Peak 52.85 9.64 62.49 68.20

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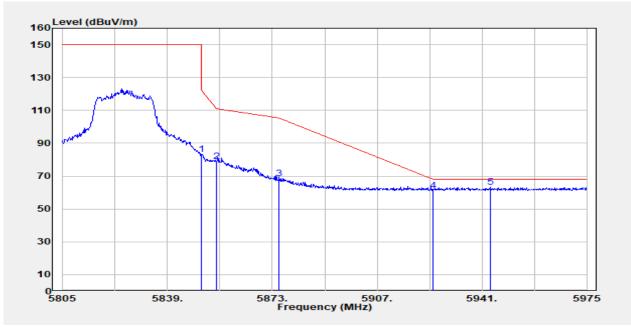
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-03-15

Test Frequency :5825 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5850.00	Peak	73.46	9.58	83.04	122.20	-39.16
5855.00	Peak	69.22	9.60	78.82	110.80	-31.98
5875.00	Peak	58.99	9.66	68.64	105.20	-36.56
5925.00	Peak	51.63	9.64	61.27	68.20	-6.93
5943.72	Peak	53.67	9.57	63.24	68.20	-4.96

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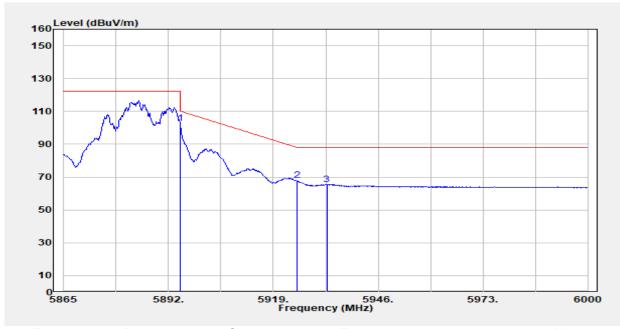
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 **Test Date** :2022-03-25

:5885 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	94.01	8.86	102.87	110.20	-7.33
5925.00	Average	59.10	8.85	67.94	88.20	-20.26
5932.77	Average	56.80	8.84	65.64	88.20	-22.56

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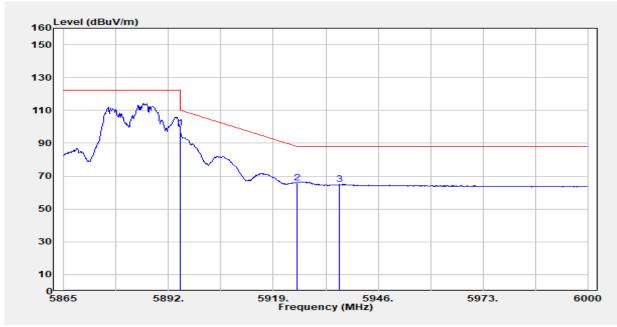
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 **Test Date** :2022-03-25

:5885 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	90.43	8.86	99.29	110.20	-10.91
5925.00	Average	57.14	8.85	65.99	88.20	-22.21
5936.01	Average	56.10	8.84	64.94	88.20	-23.26

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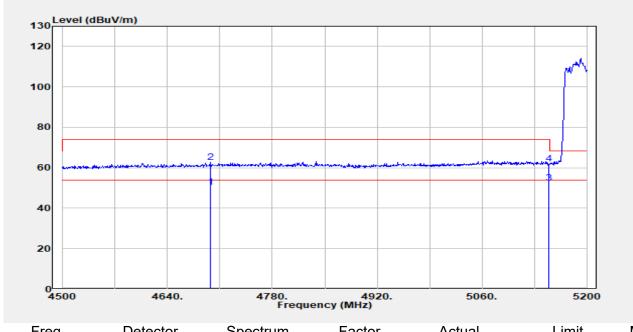
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-03-15

Test Frequency :5190 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
Average	43.14	7.33	50.47	54.00	-3.53
Peak	55.33	7.33	62.66	74.00	-11.34
Average	43.85	8.50	52.35	54.00	-1.65
Peak	53.52	8.50	62.02	74.00	-11.98
	Mode PK/QP/AV Average Peak Average	Mode Reading Level dBμV Average 43.14 Peak 55.33 Average 43.85	Mode PK/QP/AV Reading Level dBμV dB Average Peak Peak Peak Peak Average 43.85 43.14 7.33 7.33 7.33 7.33 8.50	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average 43.14 7.33 50.47 Peak 55.33 7.33 62.66 Average 43.85 8.50 52.35	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 55.33 7.33 50.47 54.00 Peak 55.33 7.33 62.66 74.00 Average

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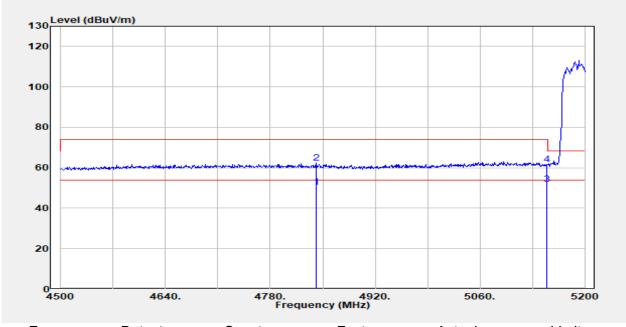
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax40 Test Date :2022-03-15

Test Frequency :5190 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
Average	42.77	7.62	50.39	54.00	-3.61
Peak	54.59	7.62	62.21	74.00	-11.79
Average	43.42	8.50	51.92	54.00	-2.08
Peak	53.11	8.50	61.61	74.00	-12.39
	Mode PK/QP/AV Average Peak Average	Mode Reading Level dBμV Average 42.77 Peak 54.59 Average 43.42	Mode PK/QP/AV Reading Level dB Average 42.77 7.62 Peak 54.59 7.62 Average 43.42 8.50	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak 54.59 Peak Average 43.42 43.42 43.50 51.92	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 54.59 Average 43.42 42.77 7.62 50.39 54.00 62.21 74.00 62.21 74.00 51.92 54.00

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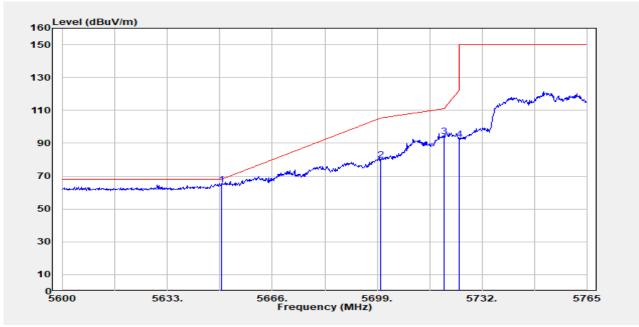
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-03-15

Test Frequency :5755 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
						_
5650.00	Peak	56.15	8.48	64.63	68.20	-3.57
5700.00	Peak	70.51	9.42	79.93	105.20	-25.27
5720.00	Peak	84.72	9.51	94.22	110.80	-16.58
5725.00	Peak	82.97	9.53	92.50	122.20	-29.70

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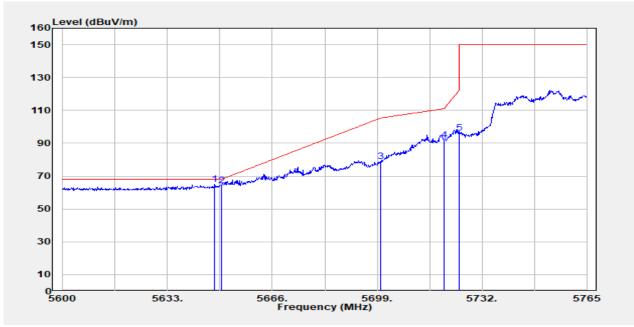
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-03-15

Test Frequency :5755 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5647.85	Peak	56.75	8.50	65.26	68.20	-2.94
5650.00	Peak	55.69	8.48	64.16	68.20	-4.04
5700.00	Peak	69.28	9.42	78.70	105.20	-26.50
5720.00	Peak	82.35	9.51	91.86	110.80	-18.94
5725.00	Peak	86.78	9.53	96.31	122.20	-25.89

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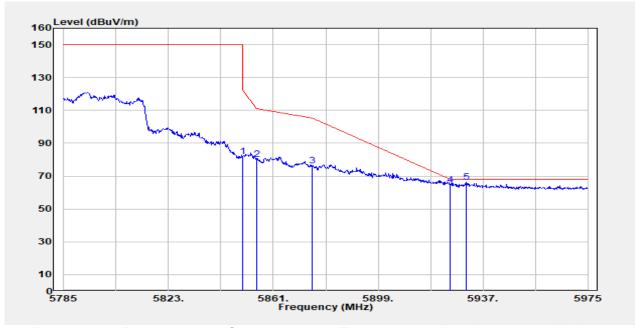
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-03-15

Test Frequency :5795 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Margin
dB
-40.39
-30.56
-29.05
-3.56
-2.03

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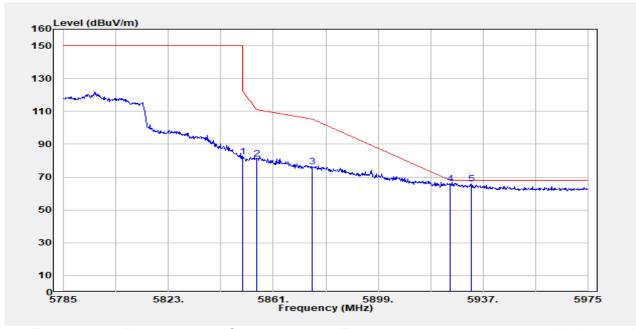
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-03-15

Test Frequency :5795 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5850.00	Peak	73.01	9.58	82.59	122.20	-39.61
5855.00	Peak	71.51	9.60	81.11	110.80	-29.69
5875.00	Peak	66.46	9.66	76.12	105.20	-29.08
5925.00	Peak	56.27	9.64	65.91	68.20	- 2.29
5932.63	Peak	56.16	9.61	65.77	68.20	-2.43

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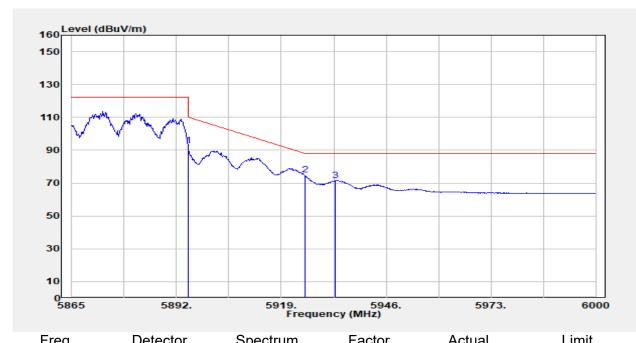
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 **Test Date** :2022-03-25

Test Frequency :5875 MHz Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	83.81	8.86	92.67	110.20	-17.53
5925.00	Average	66.03	8.85	74.87	88.20	-13.33
5932.91	Average	62.90	8.84	71.74	88.20	-16.46

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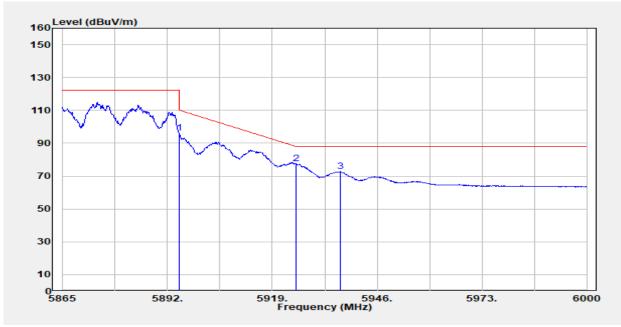
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 **Test Date** :2022-03-25

Test Frequency :5875 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	87.41	8.86	96.27	110.20	-13.93
5925.00	Average	68.73	8.85	77.58	88.20	-10.62
5936.42	Average	63.81	8.84	72.65	88.20	-15.55

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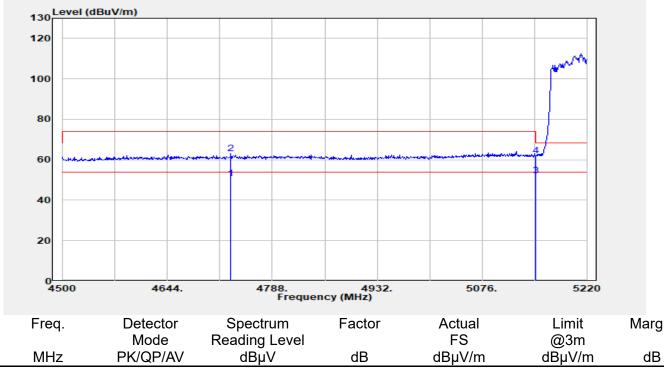
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-03-15

Test Frequency :5210 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4731.12	Average	43.31	7.36	50.67	54.00	-3.33
4731.12	Peak	55.63	7.36	62.99	74.00	-11.01
5150.00	Average	43.59	8.50	52.09	54.00	-1.91
5150.00	Peak	53.48	8.50	61.98	74.00	-12.02

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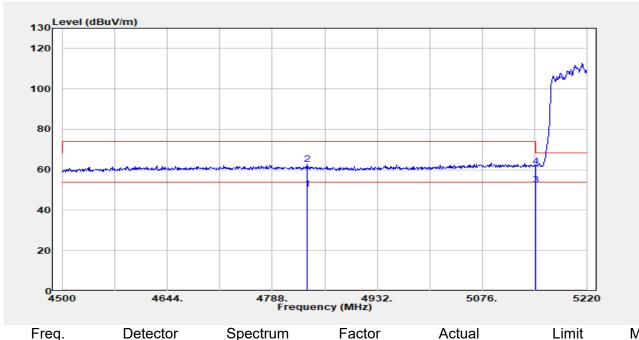
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax80 Test Date :2022-03-15

Test Frequency :5210 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	42.72	7.59	50.31	54.00	-3.69
Peak	55.11	7.59	62.70	74.00	-11.30
Average	43.96	8.50	52.46	54.00	-1.54
Peak	53.06	8.50	61.56	74.00	-12.44
	Mode PK/QP/AV Average Peak Average	Mode Reading Level PK/QP/AV dBµV Average 42.72 Peak 55.11 Average 43.96	Mode PK/QP/AV Reading Level dBμV dB Average Peak Peak Average 43.96 42.72 7.59 7.59 7.59 7.59 8.50	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average 42.72 7.59 50.31 Peak 55.11 7.59 62.70 Average 43.96 8.50 52.46	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 55.11 7.59 50.31 54.00 Peak 55.11 7.59 62.70 74.00 Average

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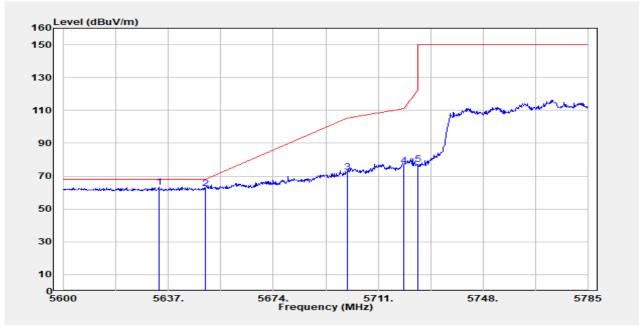
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5633.49	Peak	54.72	8.70	63.42	68.20	-4.78
5650.00	Peak	53.81	8.48	62.28	68.20	-5.92
5700.00	Peak	62.89	9.42	72.31	105.20	-32.89
5720.00	Peak	66.98	9.51	76.48	110.80	-34.32
5725.00	Peak	67.62	9.53	77.15	122.20	-45.05

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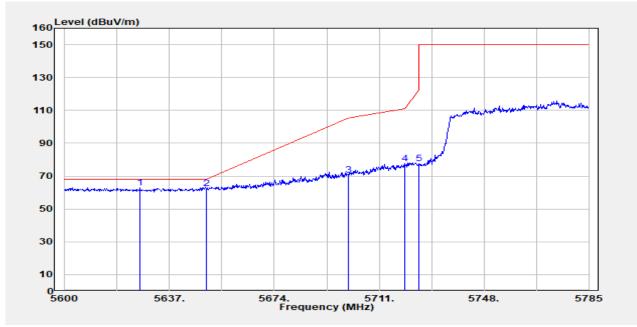
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5626.64	Peak	53.91	8.79	62.70	68.20	-5.50
5650.00	Peak	53.84	8.48	62.32	68.20	-5.88
5700.00	Peak	61.23	9.42	70.66	105.20	-34.54
5720.00	Peak	68.19	9.51	77.70	110.80	-33.10
5725.00	Peak	67.97	9.53	77.50	122.20	-44.70

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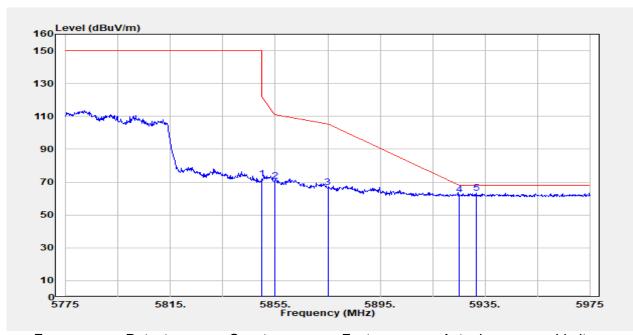
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



dB
-50.39
-40.13
-38.25
-5.73
-4.71
_

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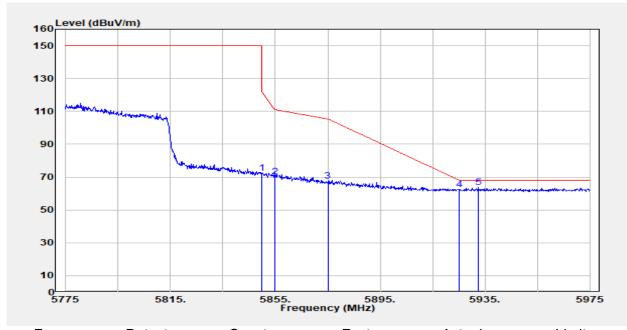
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-03-15

Test Frequency :5775 MHz Temp./Humi. :23.8/62

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	62.67	9.58	72.25	122.20	-49.95
Peak	60.83	9.60	70.42	110.80	-40.38
Peak	57.91	9.66	67.57	105.20	-37.63
Peak	52.69	9.64	62.33	68.20	-5.87
Peak	54.21	9.61	63.82	68.20	-4.38
	PK/QP/AV Peak Peak Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 62.67 Peak 60.83 Peak 57.91 Peak 52.69	Mode PK/QP/AV Reading Level dBμV dB Peak 62.67 9.58 Peak 60.83 9.60 Peak 57.91 9.66 Peak 52.69 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 62.67 9.58 72.25 Peak 60.83 9.60 70.42 Peak 57.91 9.66 67.57 Peak 52.69 9.64 62.33	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 62.67 9.58 72.25 122.20 Peak 60.83 9.60 70.42 110.80 Peak 57.91 9.66 67.57 105.20 Peak 52.69 9.64 62.33 68.20

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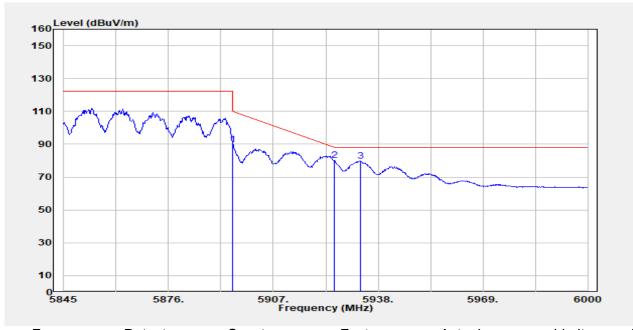
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 **Test Date** :2022-03-25

:5855 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
Average	81.11	8.86	89.97	110.20	-20.23
Average	71.36	8.85	80.21	88.20	-7.99
Average	71.00	8.84	79.85	88.20	-8.35
	Mode PK/QP/AV Average Average	Mode Reading Level dBμV Average 81.11 Average 71.36	Mode PK/QP/AV Reading Level dB V dB Average Average Average Average Average Average 71.36 8.86	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Average Average 71.36 8.86 89.97 Average 71.36 8.85 80.21	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average Average Average 71.36 8.86 89.97 110.20 Average 88.20 80.21 88.20

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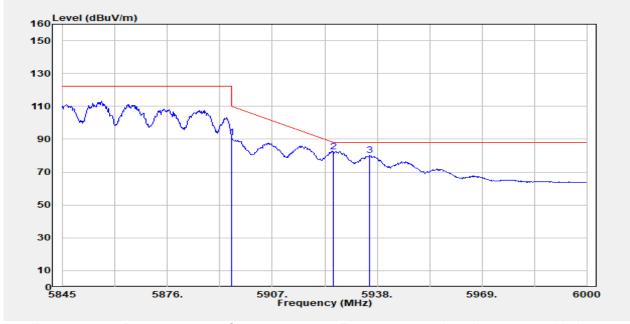
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax80 **Test Date** :2022-03-25

:5855 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5895.00	Average	82.41	8.86	91.27	110.20	-18.93
5925.00	Average	73.42	8.85	82.26	88.20	-5.94
5935.83	Average	71.17	8.84	80.01	88.20	-8.19

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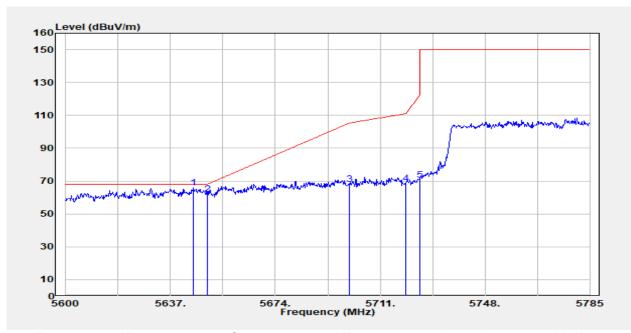
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax160 **Test Date** :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW :Vertical Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5645.14	Peak	57.25	8.54	65.79	68.20	-2.41
5650.00	Peak	53.52	8.48	62.00	68.20	-6.20
5700.00	Peak	58.76	9.42	68.18	105.20	-37.02
5720.00	Peak	59.19	9.51	68.70	110.80	-42.10
5725.00	Peak	61.05	9.53	70.58	122.20	-51.62

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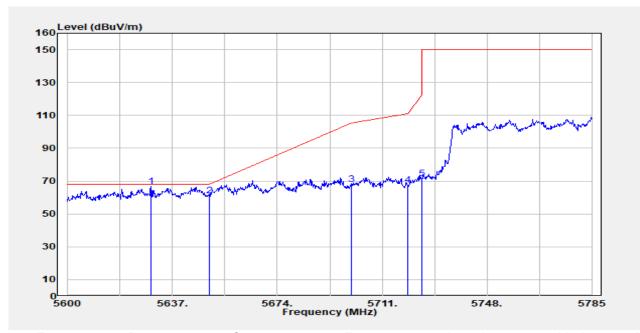
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax160 **Test Date** :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5629.23	Peak	57.93	8.76	66.68	68.20	-1.52
5650.00	Peak	52.69	8.48	61.16	68.20	-7.04
5700.00	Peak	58.72	9.42	68.14	105.20	-37.06
5720.00	Peak	58.33	9.51	67.84	110.80	-42.96
5725.00	Peak	62.07	9.53	71.60	122.20	-50.60

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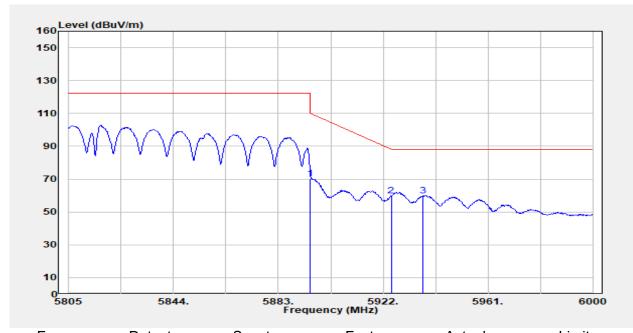
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax160 **Test Date** :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Peak	61.55	8.86	70.41	110.20	-39.79
5925.00	Peak	51.11	8.85	59.96	88.20	-28.24
5936.82	Peak	51.11	8.84	59.95	88.20	-28.25

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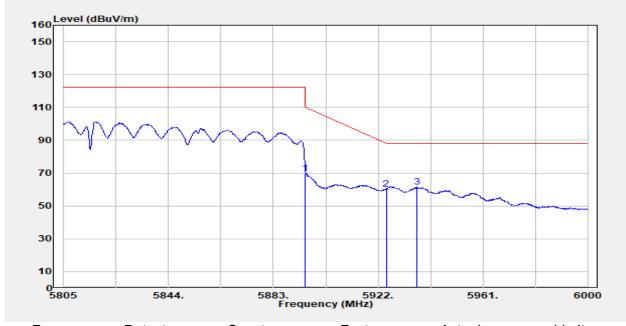
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ax160 Test Date :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Peak	60.88	8.86	69.74	110.20	-40.46
5925.00	Peak	51.63	8.85	60.48	88.20	-27.72
5936.43	Peak	52.72	8.84	61.57	88.20	-26.63

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11.6.3 Band edge falling to restricted band_BeamForming ON

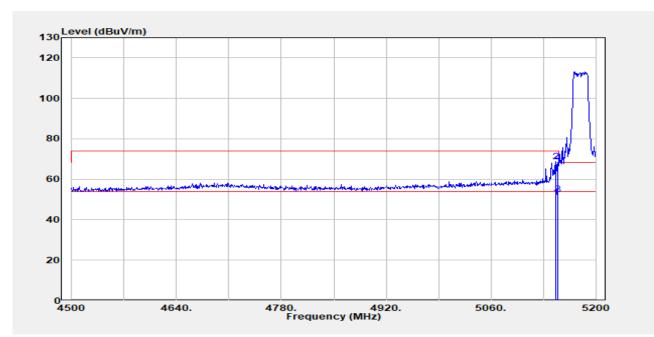
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11n20 Test Date :2022-03-30

Test Frequency :5180 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5146.80	Average	42.60	8.52	51.12	54.00	-2.88
5146.80	Peak	60.28	8.52	68.80	74.00	-5.20
5150.00	Average	43.92	8.50	52.42	54.00	-1.58
5150.00	Peak	59.86	8.50	68.35	74.00	-5.65

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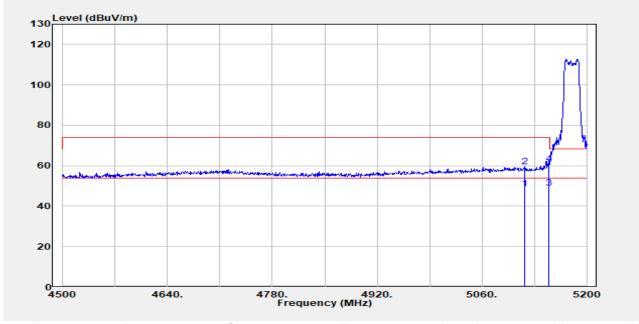
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-30

Test Frequency :5180 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
						_
5116.70	Average	40.02	8.71	48.73	54.00	-5.27
5116.70	Peak	50.90	8.71	59.61	74.00	-14.39
5150.00	Average	40.37	8.50	48.87	54.00	-5.13
5150.00	Peak	52.42	8.50	60.92	74.00	-13.08

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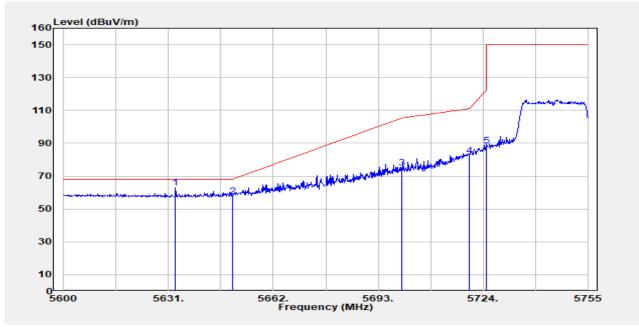
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-30

Test Frequency :5745 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5633.02	Peak	54.04	8.71	62.75	68.20	-5.45
5650.00	Peak	49.36	8.48	57.83	68.20	-10.37
5700.00	Peak	65.48	9.42	74.90	105.20	-30.30
5720.00	Peak	72.94	9.51	82.45	110.80	-28.35
5725.00	Peak	78.91	9.53	88.44	122.20	-33.76

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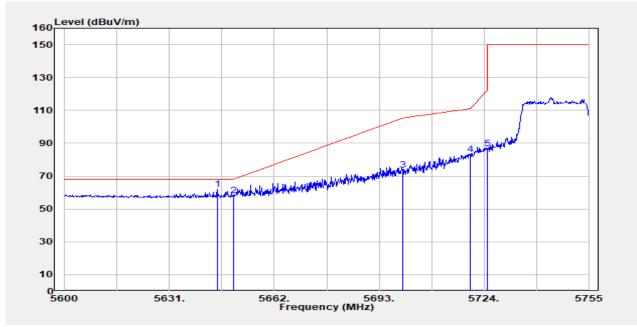
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-30

Test Frequency :5745 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5645.11	Peak	53.28	8.54	61.82	68.20	-6.38
5650.00	Peak	49.67	8.48	58.14	68.20	-10.06
5700.00	Peak	64.33	9.42	73.76	105.20	-31.44
5720.00	Peak	73.56	9.51	83.07	110.80	-27.73
5725.00	Peak	77.39	9.53	86.92	122.20	-35.28

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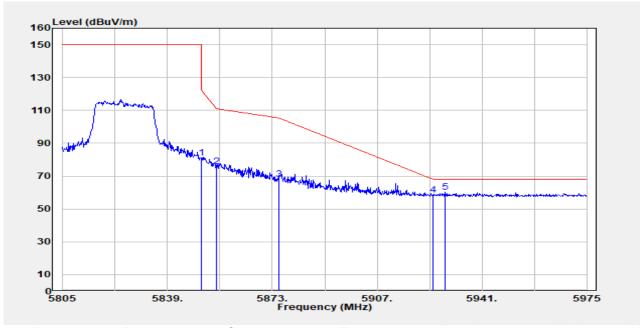
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-30

Test Frequency :5825 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	71.48	9.58	81.06	122.20	-41.14
Peak	66.39	9.60	75.99	110.80	-34.81
Peak	58.53	9.66	68.19	105.20	-37.01
Peak	49.05	9.64	58.69	68.20	-9.51
Peak	50.45	9.62	60.07	68.20	-8.13
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 71.48 Peak 66.39 Peak 58.53 Peak 49.05	Mode PK/QP/AV Reading Level dBμV dB Peak 71.48 9.58 Peak 66.39 9.60 Peak 58.53 9.66 Peak 49.05 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 71.48 9.58 81.06 Peak 66.39 9.60 75.99 Peak 58.53 9.66 68.19 Peak 49.05 9.64 58.69	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 71.48 9.58 81.06 122.20 Peak 66.39 9.60 75.99 110.80 Peak 58.53 9.66 68.19 105.20 Peak 49.05 9.64 58.69 68.20

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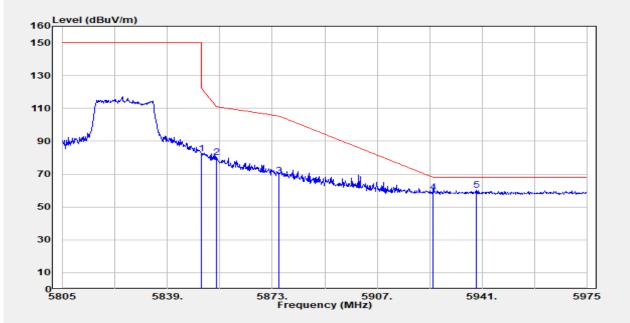
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 Test Date :2022-03-30

Test Frequency :5825 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	72.72	9.58	82.30	122.20	-39.90
5855.00	Peak	70.79	9.60	80.39	110.80	-30.41
5875.00	Peak	59.19	9.66	68.85	105.20	-36.35
5925.00	Peak	49.26	9.64	58.90	68.20	-9.30
5939.30	Peak	50.65	9.58	60.24	68.20	-7.96

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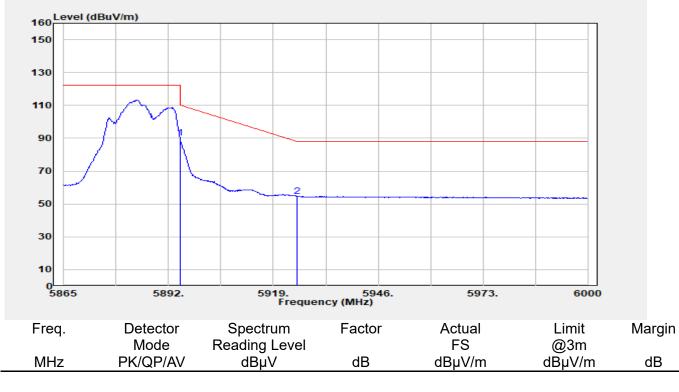
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-03-30

Test Frequency :5885 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



	Mode	Reading Level	. 40.0.	FS	@3m	a.g
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	81.48	8.86	90.34	110.20	-19.86
5925.00	Average	46.00	8.85	54.85	88.20	-33.35

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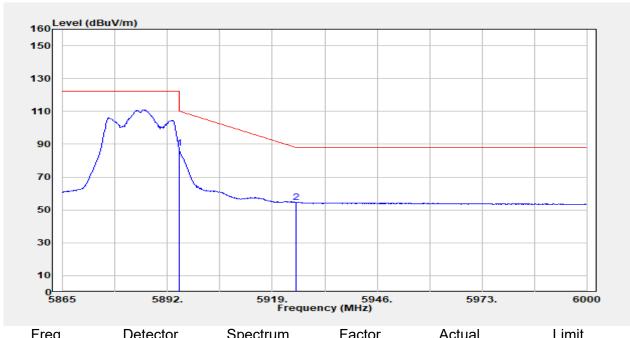
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n20 **Test Date** :2022-03-30

:5885 MHz Test Frequency Temp./Humi. :22.6/63

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	78.68	8.86	87.54	110.20	-22.66
5925.00	Average	45.92	8.85	54.77	88.20	-33.43

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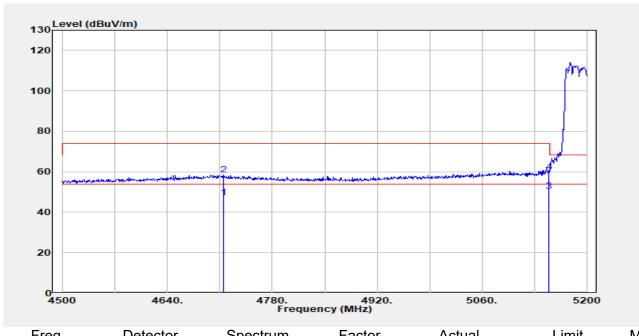
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-30

Test Frequency :5190 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
4714.20	Average	40.02	7.35	47.37	54.00	-6.63
4714.20	Peak	51.01	7.35	58.36	74.00	-15.64
5150.00	Average	41.77	8.50	50.27	54.00	-3.73
5150.00	Peak	51.38	8.50	59.88	74.00	-14.12

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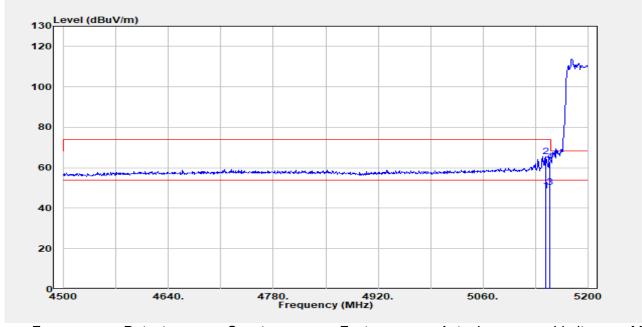
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-30

Test Frequency :5190 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Average	39.95	8.54	48.49	54.00	-5.51
Peak	56.89	8.54	65.43	74.00	-8.57
Average	41.71	8.50	50.21	54.00	-3.79
Peak	54.66	8.50	63.16	74.00	-10.84
	Mode PK/QP/AV Average Peak Average	Mode Reading Level dBμV Average 39.95 Peak 56.89 Average 41.71	Mode PK/QP/AV Reading Level dBμV dB Average Peak Peak Average 41.71 39.95 8.54 8.54 8.54 8.50	Mode PK/QP/AV Reading Level dB μV FS dB μV/m Average Peak S6.89 Peak Average 41.71 8.54 8.54 65.43 65.21	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average 39.95 8.54 48.49 54.00 Peak 56.89 8.54 65.43 74.00 Average 41.71 8.50 50.21 54.00

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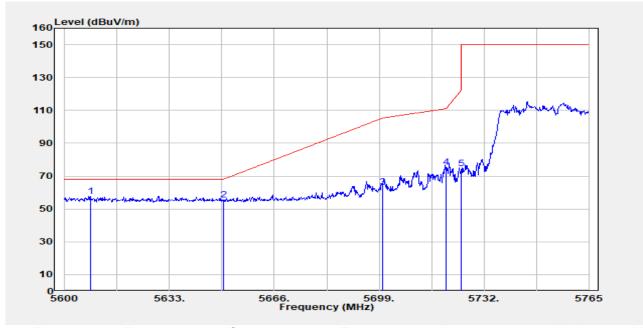
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-30

Test Frequency :5755 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5608.09	Peak	48.70	9.04	57.74	68.20	-10.46
5650.00	Peak	46.88	8.48	55.36	68.20	-12.84
5700.00	Peak	53.93	9.42	63.36	105.20	-41.84
5720.00	Peak	66.00	9.51	75.51	110.80	-35.29
5725.00	Peak	65.20	9.53	74.73	122.20	-47.47

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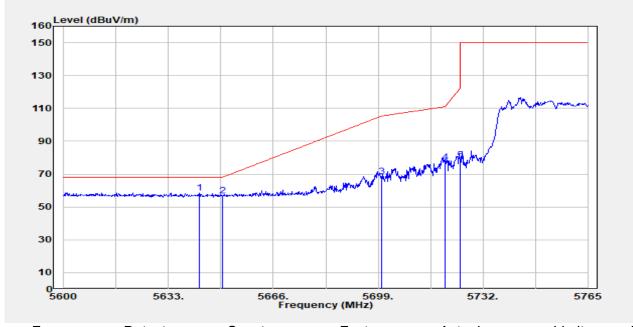
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-30

Test Frequency :5755 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5642.74	Peak	49.98	8.57	58.55	68.20	-9.65
5650.00	Peak	48.16	8.48	56.63	68.20	-11.57
5700.00	Peak	58.94	9.42	68.36	105.20	-36.84
5720.00	Peak	67.83	9.51	77.34	110.80	-33.46
5725.00	Peak	68.88	9.53	78.41	122.20	-43.79

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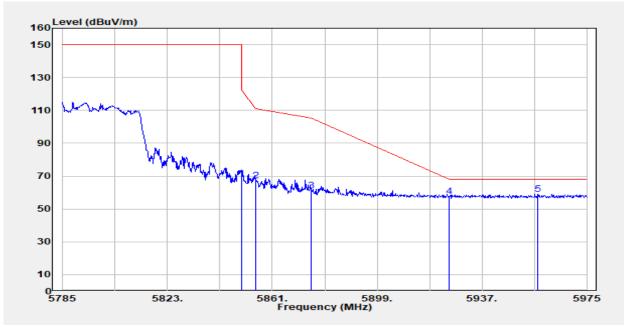
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-30

Test Frequency :5795 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5850.00	Peak	58.32	9.58	67.90	122.20	-54.30
5855.00	Peak	57.47	9.60	67.06	110.80	-43.74
5875.00	Peak	51.65	9.66	61.31	105.20	-43.89
5925.00	Peak	47.85	9.64	57.49	68.20	-10.71
5957.14	Peak	49.36	9.61	58.97	68.20	-9.23

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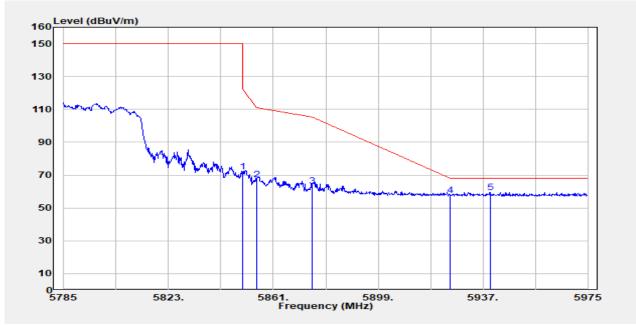
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 Test Date :2022-03-30

Test Frequency :5795 MHz Temp./Humi. :22.6/63

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
						_
5850.00	Peak	62.33	9.58	71.91	122.20	-50.29
5855.00	Peak	57.51	9.60	67.11	110.80	-43.69
5875.00	Peak	53.58	9.66	63.24	105.20	-41.96
5925.00	Peak	48.20	9.64	57.84	68.20	-10.36
5939.66	Peak	49.99	9.58	59.57	68.20	-8.63

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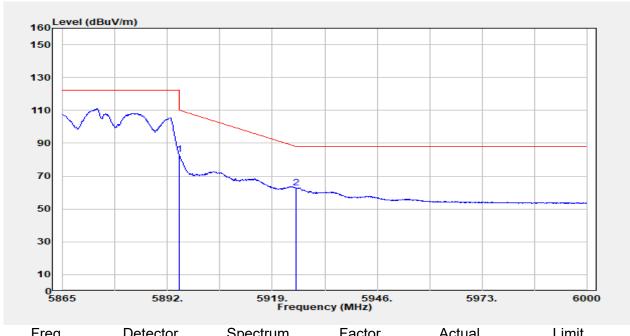
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11n40 **Test Date** :2022-03-31

Test Frequency :5875 MHz Temp./Humi. :22.6/68

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
 MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	74.43	8.86	83.29	110.20	-26.91
5925.00	Average	54.13	8.85	62.98	88.20	-25.22

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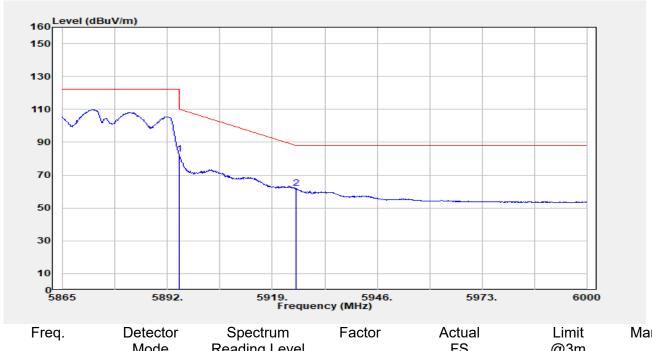
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11n40 **Test Date** :2022-03-31

Test Frequency :5875 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
 MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	74.02	8.86	82.88	110.20	-27.32
5925.00	Average	53.02	8.85	61.87	88.20	-26.33

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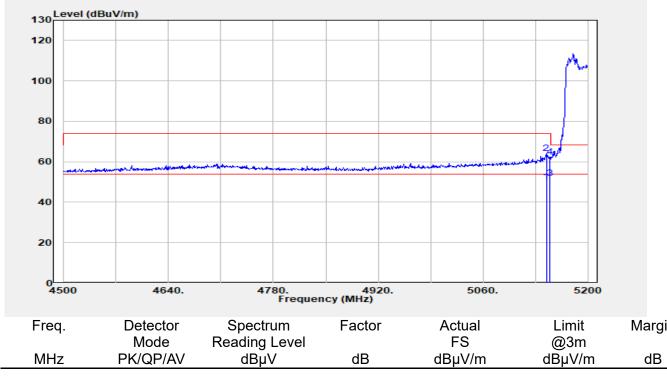
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5210 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5144.70	Average	41.61	8.53	50.14	54.00	-3.86
5144.70	Peak	55.68	8.53	64.21	74.00	-9.79
5150.00	Average	43.27	8.50	51.77	54.00	-2.23
5150.00	Peak	54.04	8.50	62.53	74.00	-11.47

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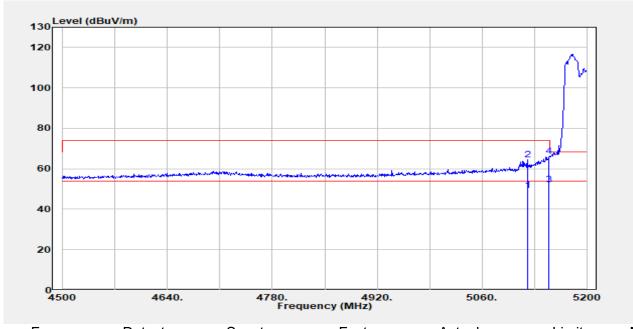
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5210 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
•	Mode	Reading Level		FS	@3m	3
					_	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
		•		•	•	
5120.90	Average	40.78	8.68	49.46	54.00	-4.54
5120.90	Peak	55.94	8.68	64.62	74.00	-9.38
3120.30	i cak	33.34	0.00	04.02		-9.50
5150.00	Average	43.67	8.50	52.17	54.00	-1.83
5150.00	Peak	57.75	8.50	66.25	74.00	-7.75
5150.00	reak	51.15	0.50	00.23	14.00	-1.13

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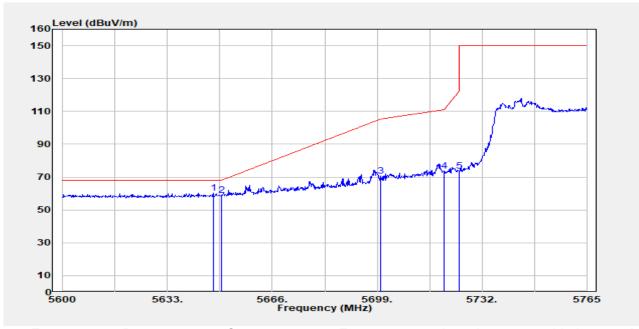
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5775 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5647.36	Peak	51.67	8.51	60.19	68.20	-8.01
5650.00	Peak	50.48	8.48	58.95	68.20	-9.25
5700.00	Peak	61.23	9.42	70.65	105.20	-34.55
5720.00	Peak	64.40	9.51	73.90	110.80	-36.90
5725.00	Peak	64.17	9.53	73.70	122.20	-48.50

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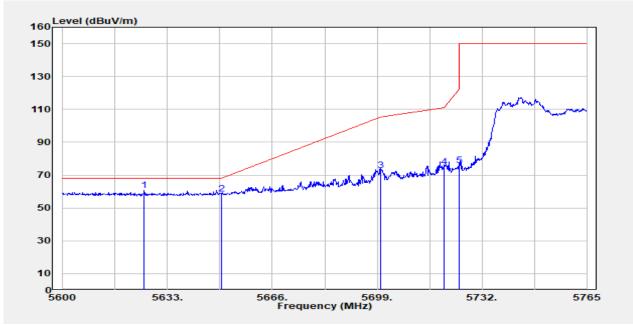
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5775 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5625.58	Peak	51.80	8.81	60.61	68.20	-7.59
5650.00	Peak	50.15	8.48	58.63	68.20	-9.57
5700.00	Peak	63.50	9.42	72.93	105.20	-32.27
5720.00	Peak	65.58	9.51	75.09	110.80	-35.71
5725.00	Peak	66.56	9.53	76.08	122.20	-46.12

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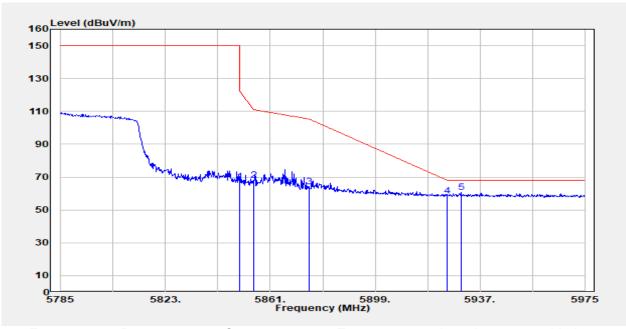
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5775 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	57.73	9.58	67.31	122.20	-54.89
5855.00	Peak	58.60	9.60	68.19	110.80	-42.61
5875.00	Peak	54.52	9.66	64.18	105.20	-41.02
5925.00	Peak	48.99	9.64	58.63	68.20	-9.57
5930.16	Peak	51.17	9.62	60.78	68.20	-7.42

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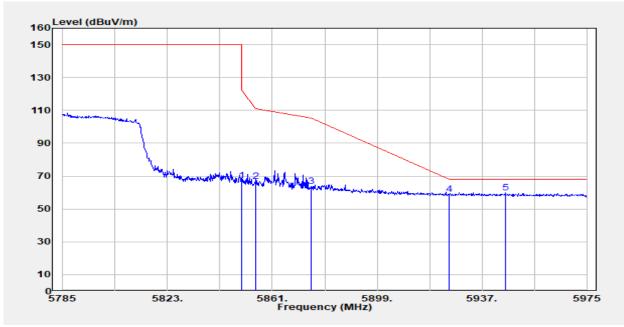
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5775 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5850.00	Peak	57.65	9.58	67.23	122.20	-54.97
5855.00	Peak	57.28	9.60	66.88	110.80	-43.92
5875.00	Peak	54.17	9.66	63.83	105.20	-41.37
5925.00	Peak	49.14	9.64	58.78	68.20	-9.42
5945.55	Peak	50.37	9.56	59.93	68.20	-8.27

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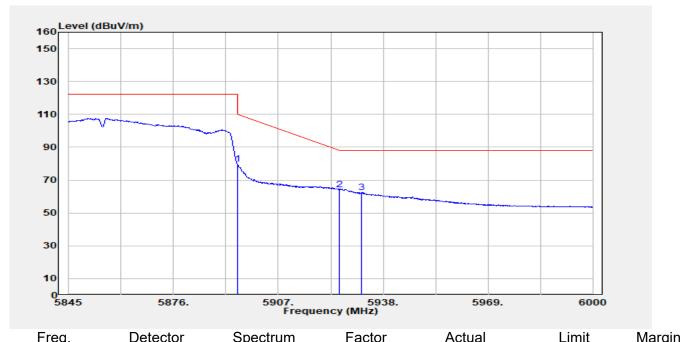
Report Number :ER/2022/30038 Test Site :SAC 1

Operation Mode :802.11ac80 Test Date :2022-03-31

Test Frequency :5855 MHz Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



i ieq.	Mode	I .	i actor	FS	@3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	70.76	8.86	79.62	110.20	-30.58
5925.00	Average	55.31	8.85	64.15	88.20	-24.05
5931.49	Average	53.78	8.84	62.62	88.20	-25.58
	MHz 5895.00 5925.00	Mode PK/QP/AV 5895.00 Average 5925.00 Average	Mode PK/QP/AV Reading Level dBμV 5895.00 Average Average S925.00 70.76 5925.00 Average S5.31	Mode PK/QP/AV Reading Level dBμV dB 5895.00 Average Average S925.00 70.76 8.86 5925.00 Average S55.31 8.85	Mode PK/QP/AV Reading Level dBμV FS dBμV/m 5895.00 Average Average S925.00 70.76 8.86 79.62 64.15 79.62 70.76 <td>Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m 5895.00 Average 70.76 8.86 79.62 110.20 5925.00 Average 55.31 8.85 64.15 88.20</td>	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m 5895.00 Average 70.76 8.86 79.62 110.20 5925.00 Average 55.31 8.85 64.15 88.20

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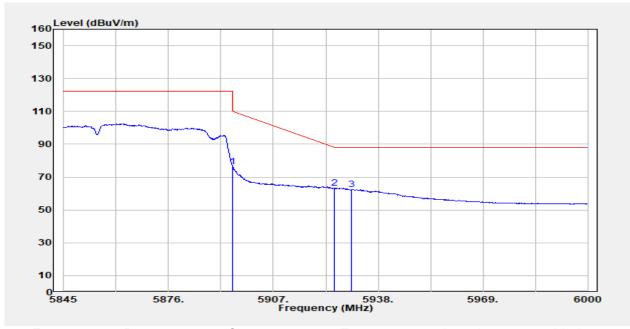
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ac80 **Test Date** :2022-03-31

:5855 MHz Test Frequency Temp./Humi. :22.6/68

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	67.52	8.86	76.38	110.20	-33.82
5925.00	Average	54.28	8.85	63.13	88.20	-25.07
5930.10	Average	53.62	8.84	62.46	88.20	-25.74

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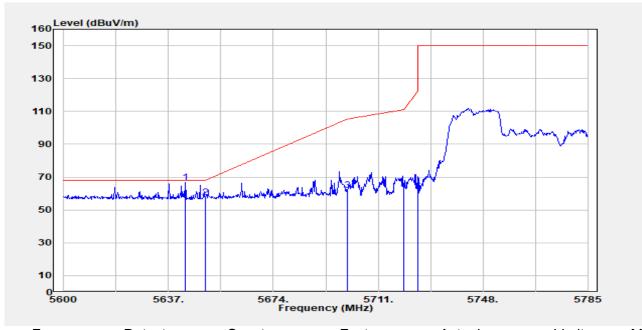
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
Peak	58.03	8.57	66.60	68.20	-1.60
Peak	49.17	8.48	57.64	68.20	-10.56
Peak	52.74	9.42	62.17	105.20	-43.03
Peak	52.34	9.51	61.85	110.80	-48.95
Peak	51.62	9.53	61.15	122.20	-61.05
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 58.03 Peak 49.17 Peak 52.74 Peak 52.34	Mode PK/QP/AV Reading Level dBμV dB Peak 58.03 8.57 Peak 49.17 8.48 Peak 52.74 9.42 Peak 52.34 9.51	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 58.03 8.57 66.60 Peak 49.17 8.48 57.64 Peak 52.74 9.42 62.17 Peak 52.34 9.51 61.85	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Peak 58.03 8.57 66.60 68.20 Peak 49.17 8.48 57.64 68.20 Peak 52.74 9.42 62.17 105.20 Peak 52.34 9.51 61.85 110.80

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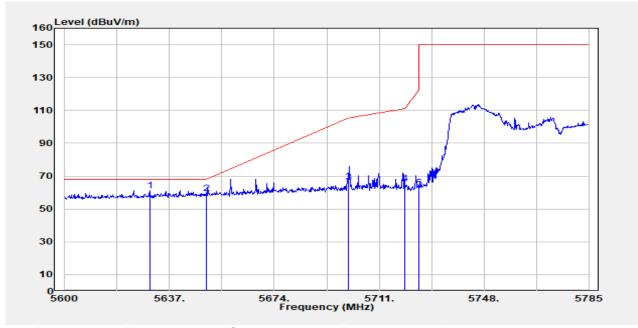
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBμV/m	dB
5629.97	Peak	52.55	8.75	61.30	68.20	-6.90
5650.00	Peak	50.72	8.48	59.20	68.20	-9.00
5700.00	Peak	56.91	9.42	66.33	105.20	-38.87
5720.00	Peak	55.80	9.51	65.31	110.80	-45.49
5725.00	Peak	53.16	9.53	62.69	122.20	-59.51

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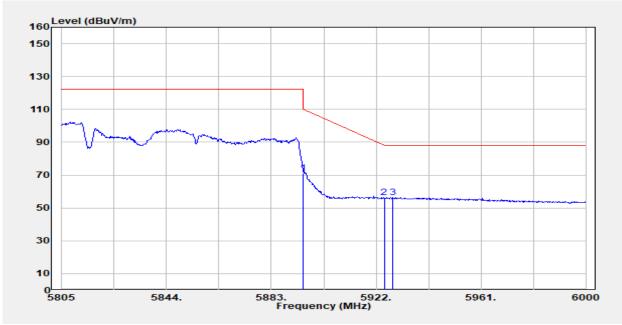
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode Antenna Pol. :Bandedge CH HIGH :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5895.00	Average	62.20	8.86	71.06	110.20	-39.14
5925.00	Average	47.35	8.85	56.19	88.20	-32.01
5928.24	Average	47.44	8.85	56.29	88.20	-31.91

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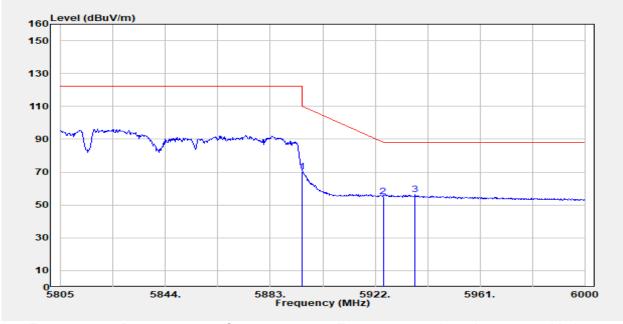
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ac160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	61.58	8.86	70.44	110.20	-39.76
5925.00	Average	46.43	8.85	55.27	88.20	-32.93
5936.82	Average	47.31	8.84	56.15	88.20	-32.05

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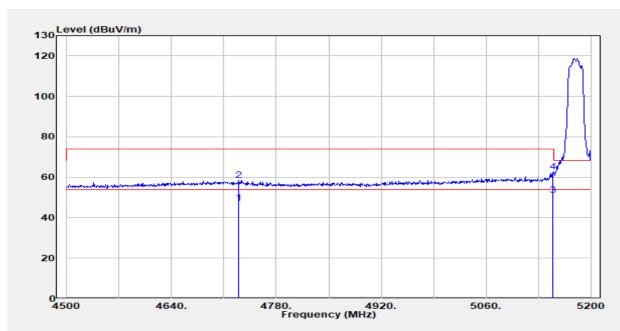
:SAC 1 Report Number :ER/2022/30038 Test Site

Operation Mode :802.11ax20 Test Date :2022-04-01

Test Frequency :5180 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane :Jason Yeh Engineer



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dΒμV/m	dB
4729.60	Average	39.78	7.36	47.14	54.00	-6.86
4729.60	Peak	50.99	7.36	58.35	74.00	-15.65
5150.00	Average	42.44	8.50	50.94	54.00	-3.06
5150.00	Peak	54.12	8.50	62.62	74.00	-11.38

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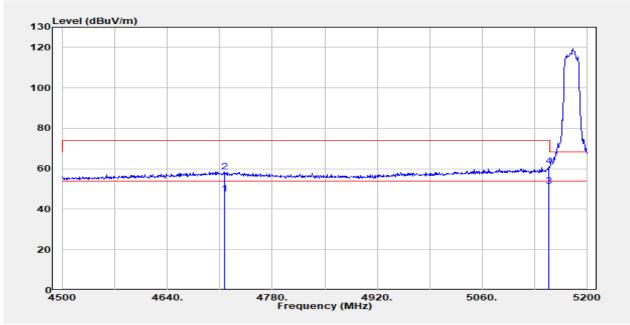
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-01

Test Frequency :5180 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
4715.60	Average	40.08	7.35	47.43	54.00	-6.57
4715.60	Peak	50.99	7.35	58.34	74.00	-15.66
5150.00	Average	42.87	8.50	51.37	54.00	-2.63
5150.00	Peak	52.68	8.50	61.18	74.00	-12.82

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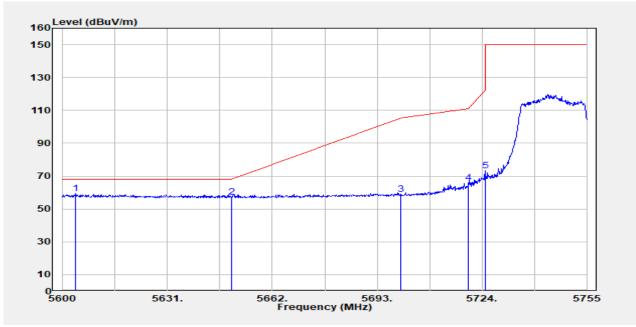
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-01

Test Frequency :5745 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5603.88	Peak	50.31	9.10	59.41	68.20	-8.79
5650.00	Peak	48.72	8.48	57.19	68.20	-11.01
5700.00	Peak	49.41	9.42	58.84	105.20	-46.36
5720.00	Peak	56.54	9.51	66.05	110.80	-44.75
5725.00	Peak	63.68	9.53	73.21	122.20	-48.99

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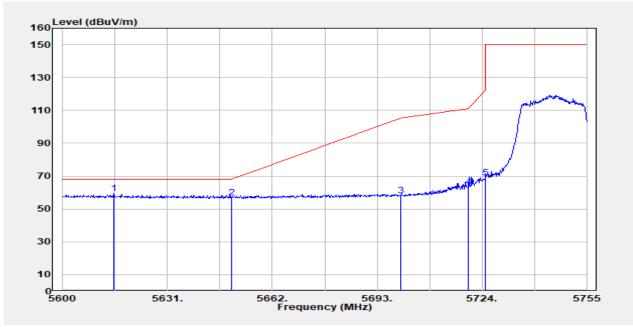
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-01

Test Frequency :5745 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5615.04	Peak	50.51	8.95	59.46	68.20	-8.74
5650.00	Peak	48.15	8.48	56.62	68.20	-11.58
5700.00	Peak	48.78	9.42	58.20	105.20	-47.00
5720.00	Peak	53.83	9.51	63.33	110.80	-47.47
5725.00	Peak	59.43	9.53	68.96	122.20	-53.24

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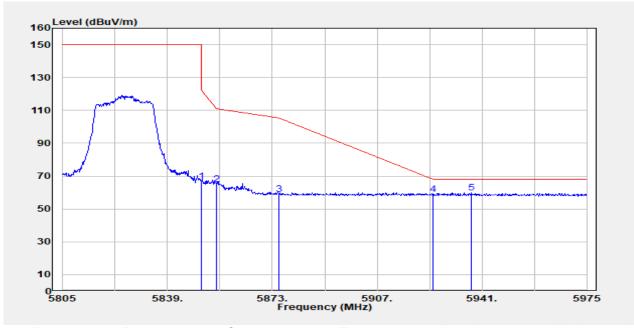
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-01

Test Frequency :5825 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	57.17	9.58	66.75	122.20	-55.45
5855.00	Peak	55.28	9.60	64.88	110.80	-45.92
5875.00	Peak	49.27	9.66	58.93	105.20	-46.27
5925.00	Peak	49.37	9.64	59.01	68.20	-9.19
5937.60	Peak	50.46	9.59	60.05	68.20	-8.15

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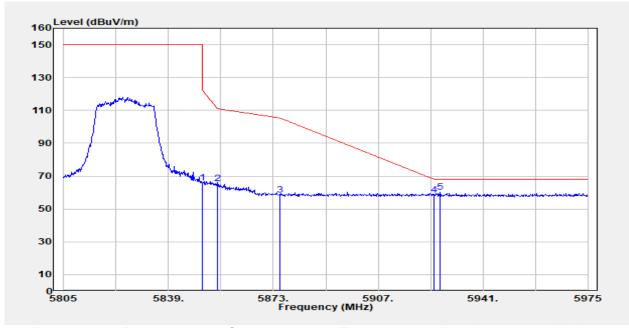
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 Test Date :2022-04-01

Test Frequency :5825 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
Peak	56.47	9.58	66.05	122.20	-56.15
Peak	55.99	9.60	65.59	110.80	-45.21
Peak	48.82	9.66	58.48	105.20	-46.72
Peak	48.87	9.64	58.51	68.20	-9.69
Peak	50.85	9.63	60.48	68.20	-7.72
	Mode PK/QP/AV Peak Peak Peak Peak	Mode PK/QP/AV Reading Level dBμV Peak 56.47 Peak 55.99 Peak 48.82 Peak 48.87	Mode PK/QP/AV Reading Level dBμV dB Peak 56.47 9.58 Peak 55.99 9.60 Peak 48.82 9.66 Peak 48.87 9.64	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Peak 56.47 9.58 66.05 Peak 55.99 9.60 65.59 Peak 48.82 9.66 58.48 Peak 48.87 9.64 58.51	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Peak 56.47 9.58 66.05 122.20 Peak 55.99 9.60 65.59 110.80 Peak 48.82 9.66 58.48 105.20 Peak 48.87 9.64 58.51 68.20

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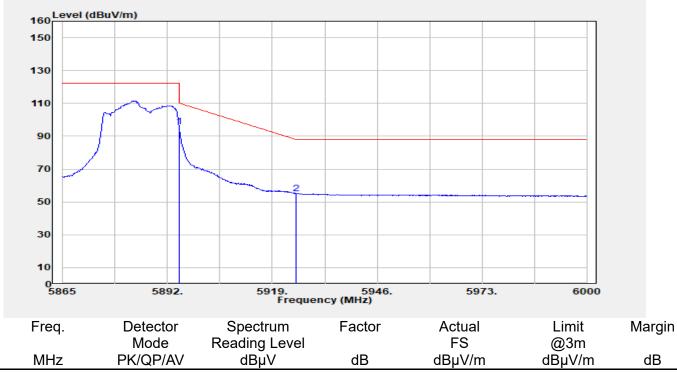
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax20 **Test Date** :2022-04-01

:5885 MHz Test Frequency Temp./Humi. :23.8/54

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :Jason Yeh :E2 Plane Engineer



	Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	@3m	Margin
	MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
_							
	5895.00	Average	86.82	8.86	95.68	110.20	-14.52
	5925.00	Average	46.36	8.85	55.20	88.20	-33.00

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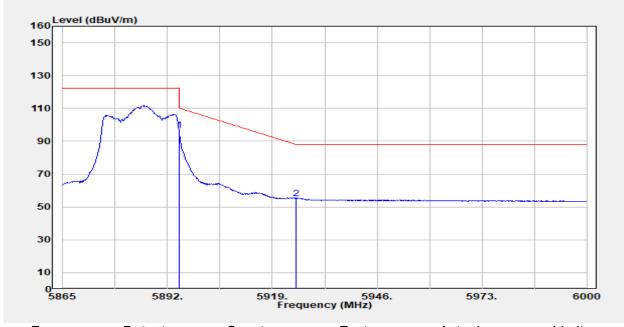
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax20 **Test Date** :2022-04-01

:5885 MHz Test Frequency Temp./Humi. :23.8/54

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	87.83	8.86	96.69	110.20	-13.51
5925.00	Average	46.32	8.85	55.17	88.20	-33.03

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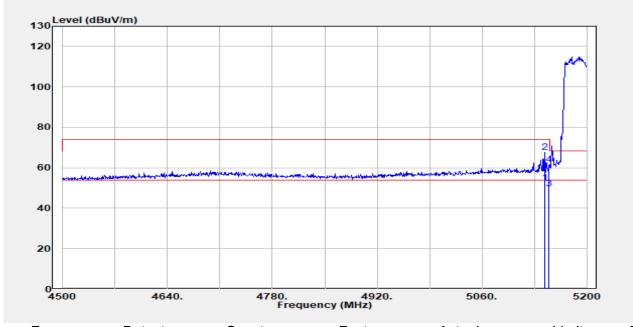
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-01

Test Frequency :5190 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW :Vertical Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
Average	43.88	8.54	52.42	54.00	-1.58
Peak	59.17	8.54	67.71	74.00	-6.29
Average	41.35	8.50	49.85	54.00	-4.15
Peak	53.30	8.50	61.80	74.00	-12.20
	Mode PK/QP/AV Average Peak Average	Mode PK/QP/AV Reading Level dBμV Average 43.88 Peak 59.17 Average 41.35	Mode PK/QP/AV Reading Level dBμV dB Average Peak Peak Average 41.35 43.88 8.54 8.54 8.54 8.54 8.50	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average Peak 59.17 43.88 8.54 52.42 Peak 59.17 8.54 67.71 Average 41.35 8.50 49.85	Mode PK/QP/AV Reading Level dBμV FS dBμV/m @3m dBμV/m Average 43.88 8.54 52.42 54.00 Peak 59.17 8.54 67.71 74.00 Average 41.35 8.50 49.85 54.00

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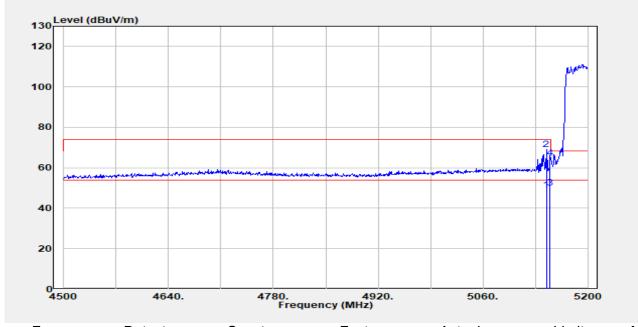
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-01

Test Frequency :5190 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
Average	40.56	8.53	49.09	54.00	-4.91
Peak	60.60	8.53	69.13	74.00	-4.87
Average	41.42	8.50	49.92	54.00	-4.08
Peak	56.47	8.50	64.96	74.00	-9.04
	Mode PK/QP/AV Average Peak Average	Mode Reading Level PK/QP/AV dBμV Average 40.56 Peak 60.60 Average 41.42	Mode PK/QP/AV Reading Level dBμV dB Average Peak 60.60 40.56 8.53 Average 41.42 8.50	Mode PK/QP/AV Reading Level dBμV FS dBμV/m Average 40.56 8.53 49.09 Peak 60.60 8.53 69.13 Average 41.42 8.50 49.92	Mode PK/QP/AV Reading Level dB μV FS dB μV/m @3m dB μV/m Average Peak 60.60 8.53 49.09 54.00 Peak 60.60 8.53 69.13 74.00 Average 41.42 8.50 49.92 54.00

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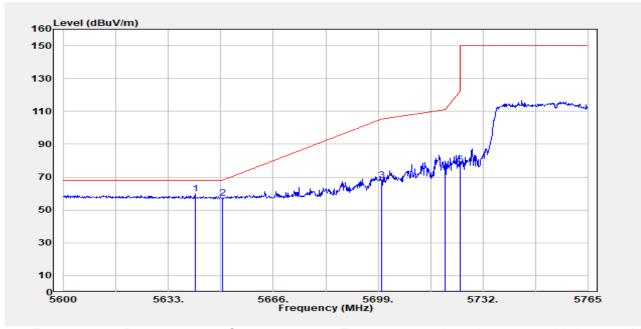
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-01

Test Frequency :5755 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW :Vertical Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5641.42	Peak	51.13	8.59	59.72	68.20	-8.48
5650.00	Peak	48.83	8.48	57.31	68.20	-10.89
5700.00	Peak	58.75	9.42	68.17	105.20	-37.03
5720.00	Peak	63.98	9.51	73.49	110.80	-37.31
5725.00	Peak	68.12	9.53	77.65	122.20	-44.55

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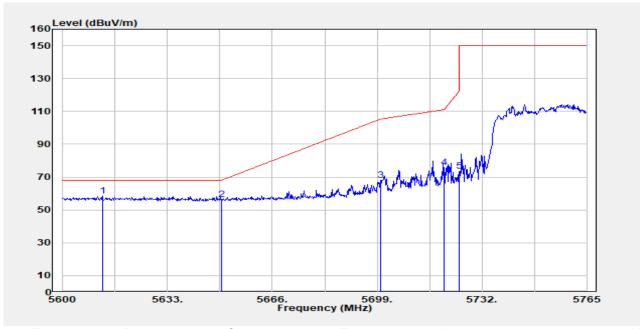
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-01

Test Frequency :5755 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5612.54	Peak	49.65	8.98	58.63	68.20	-9.57
5650.00	Peak	48.07	8.48	56.54	68.20	-11.66
5700.00	Peak	58.60	9.42	68.03	105.20	-37.17
5720.00	Peak	66.39	9.51	75.90	110.80	-34.90
5725.00	Peak	63.97	9.53	73.50	122.20	-48.70

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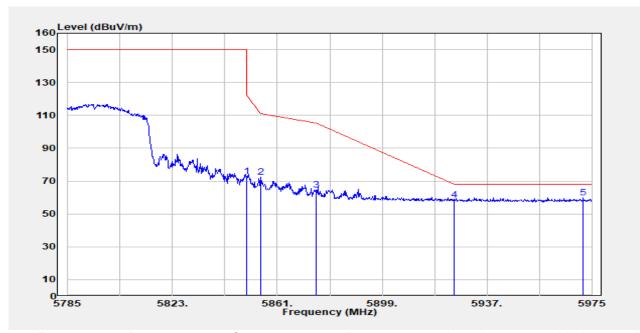
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-01

Test Frequency :5795 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5850.00	Peak	63.35	9.58	72.93	122.20	-49.27
5855.00	Peak	62.97	9.60	72.57	110.80	-38.23
5875.00	Peak	54.76	9.66	64.42	105.20	-40.78
5925.00	Peak	48.74	9.64	58.38	68.20	-9.82
5971.96	Peak	50.24	9.74	59.98	68.20	-8.22

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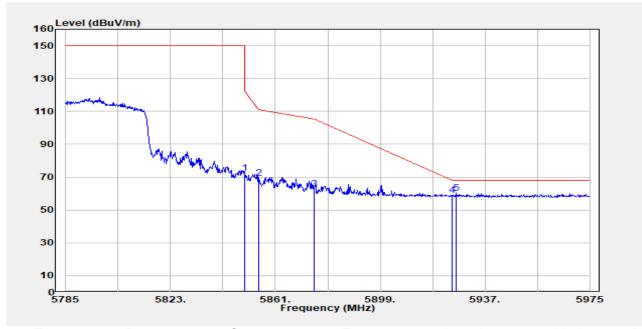
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax40 Test Date :2022-04-01

Test Frequency :5795 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBµV/m	dB
5850.00	Peak	62.75	9.58	72.33	122.20	-49.87
5855.00	Peak	59.73	9.60	69.33	110.80	-41.47
5875.00	Peak	53.16	9.66	62.82	105.20	-42.38
5925.00	Peak	49.45	9.64	59.09	68.20	- 9.11
5926.55	Peak	50.54	9.63	60.18	68.20	-8.02

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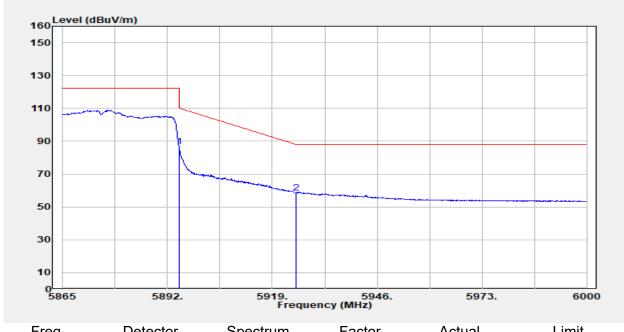
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 **Test Date** :2022-04-01

Test Frequency :5875 MHz Temp./Humi. :23.8/54

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	78.00	8.86	86.86	110.20	-23.34
5925.00	Average	49.70	8.85	58.55	88.20	-29.65

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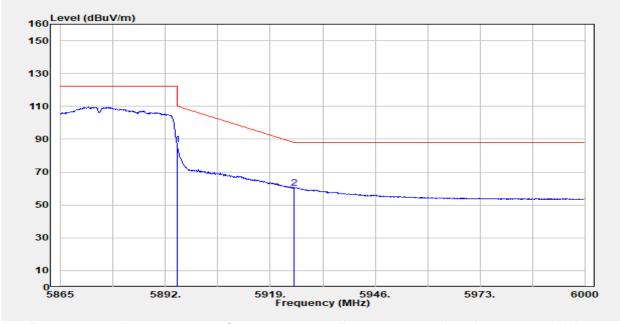
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax40 **Test Date** :2022-04-01

Test Frequency :5875 MHz Temp./Humi. :23.8/54

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
 MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	78.06	8.86	86.92	110.20	-23.28
5925.00	Average	51.54	8.85	60.39	88.20	-27.81

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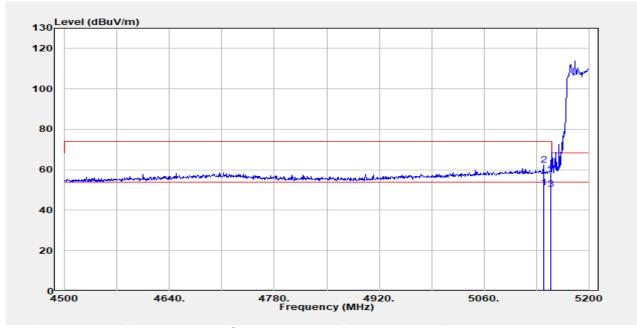
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5210 MHz Temp./Humi. :23.9/60

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBµV	Factor dB	Actual FS dBµV/m	Limit @3m dBµV/m	Margin dB
1711 12	110/01//10	чори	ub_	αυμν/ιιι	αυμν/πι	<u> </u>
5139.80	Average	42.52	8.56	51.08	54.00	-2.92
5139.80	Peak	53.67	8.56	62.23	74.00	-11.77
5150.00	Average	41.76	8.50	50.26	54.00	-3.74
5150.00	Peak	50.45	8.50	58.95	74.00	-15.05

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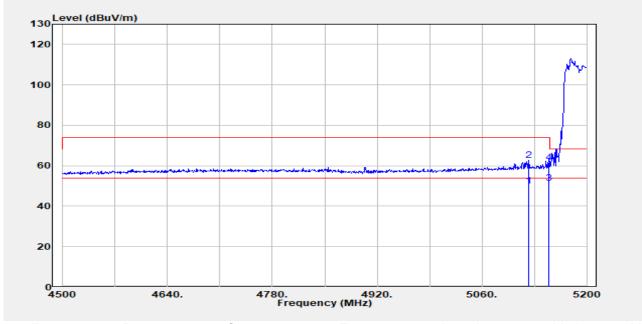
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5210 MHz Temp./Humi. :23.9/60

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5122.30	Average	41.23	8.67	49.90	54.00	-4.10
5122.30	Peak	53.90	8.67	62.57	74.00	-11.43
5150.00	Average	42.84	8.50	51.34	54.00	-2.66
5150.00	Peak	53.02	8.50	61.52	74.00	-12.48

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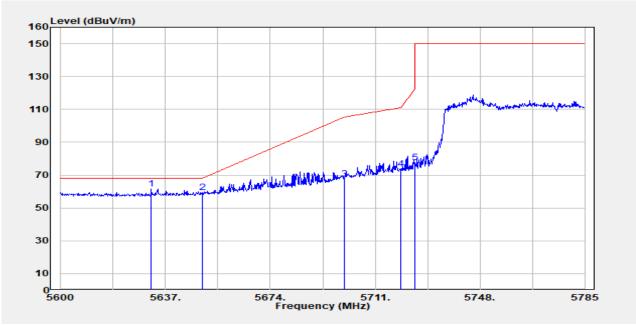
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :23.9/60

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dBμV/m	dB
5632.01	Peak	52.98	8.72	61.70	68.20	-6.50
5650.00	Peak	50.97	8.48	59.45	68.20	-8.75
5700.00	Peak	58.32	9.42	67.75	105.20	-37.45
5720.00	Peak	64.02	9.51	73.53	110.80	-37.27
5725.00	Peak	67.94	9.53	77.46	122.20	-44.74

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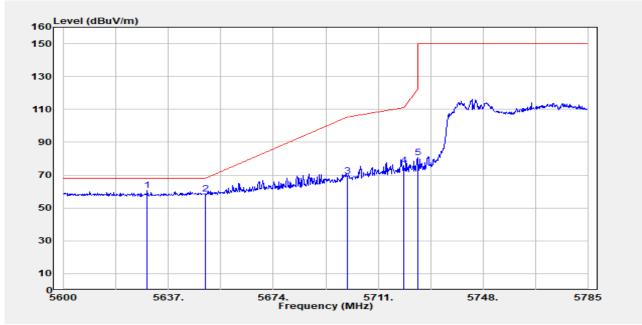
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :23.9/60

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
 MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5629.42	Peak	51.76	8.75	60.52	68.20	-7.68
5650.00	Peak	49.87	8.48	58.35	68.20	-9.85
5700.00	Peak	59.93	9.42	69.35	105.20	-35.85
5720.00	Peak	66.51	9.51	76.01	110.80	-34.79
5725.00	Peak	71.23	9.53	80.75	122.20	-41.45

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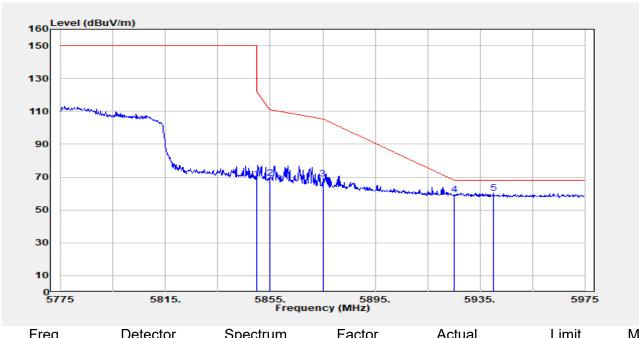
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :23.9/60

Test Mode :Bandedge CH HIGH Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5850.00	Peak	59.41	9.58	68.99	122.20	-53.21
5855.00	Peak	59.89	9.60	69.48	110.80	-41.32
5875.00	Peak	59.32	9.66	68.98	105.20	-36.22
5925.00	Peak	49.89	9.64	59.53	68.20	-8.67
5940.20	Peak	50.81	9.58	60.39	68.20	-7.81

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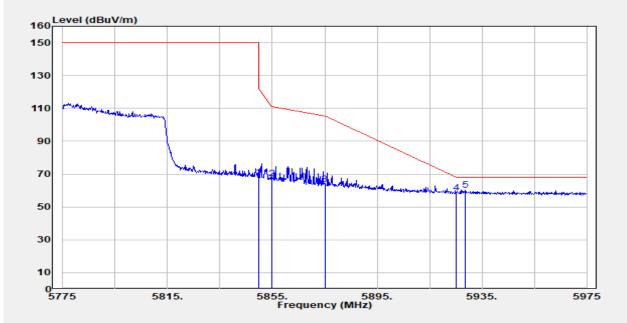
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Operation Mode :802.11ax80 Test Date :2022-04-02

Test Frequency :5775 MHz Temp./Humi. :23.9/60

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
		_		_		_
5850.00	Peak	58.43	9.58	68.01	122.20	-54.19
5855.00	Peak	57.73	9.60	67.33	110.80	-43.47
5875.00	Peak	54.06	9.66	63.72	105.20	-41.48
5925.00	Peak	49.10	9.64	58.74	68.20	-9.46
5928.80	Peak	50.60	9.62	60.22	68.20	-7.98

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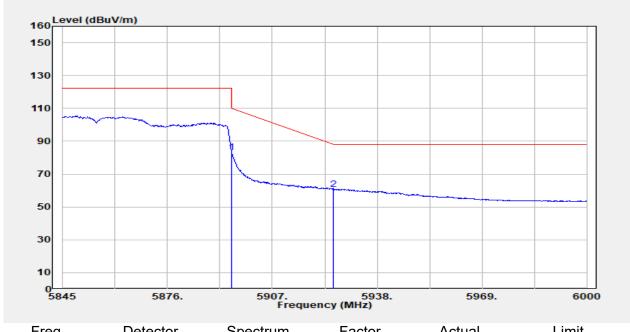
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 **Test Date** :2022-04-02

:5855 MHz Test Frequency Temp./Humi. :23.9/60

Test Mode :Vertical :Bandedge CH HIGH Antenna Pol.

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	74.36	8.86	83.22	110.20	-26.98
5925.00	Average	52.07	8.85	60.91	88.20	-27.29

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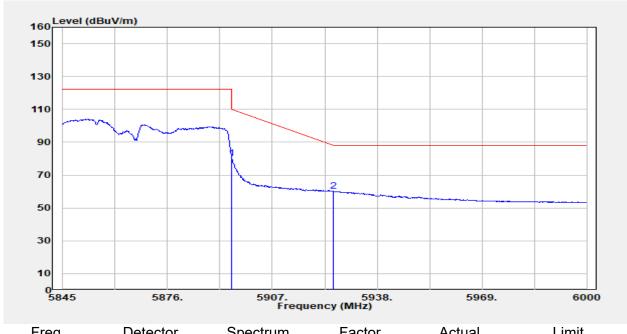
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax80 **Test Date** :2022-04-02

:5855 MHz Test Frequency Temp./Humi. :23.9/60

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBµV/m	dB
5895.00	Average	71.34	8.86	80.20	110.20	-30.00
5925.00	Average	51.22	8.85	60.06	88.20	-28.14

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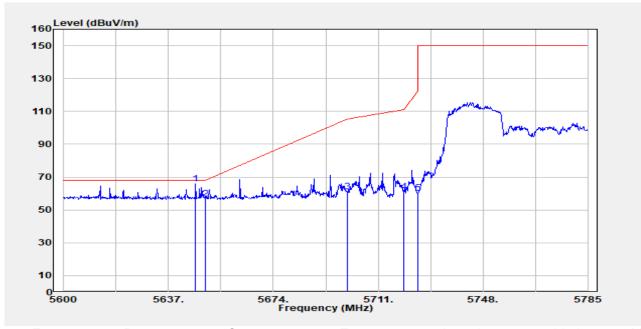
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5646.62	Peak	57.18	8.52	65.70	68.20	-2.50
5650.00	Peak	48.18	8.48	56.66	68.20	-11.54
5700.00	Peak	51.91	9.42	61.33	105.20	-43.87
5720.00	Peak	51.83	9.51	61.34	110.80	-49.46
5725.00	Peak	50.83	9.53	60.35	122.20	-61.85

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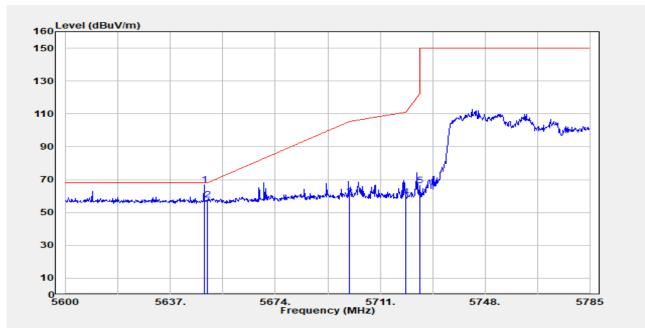
Test Site :SAC 1 Report Number :ER/2022/30038

Operation Mode :802.11ax160 Test Date :2022-04-28

Test Frequency :5815 MHz Temp./Humi. :23.8/70

Test Mode :Bandedge CH LOW Antenna Pol. :Horizontal

EUT Pol :E2 Plane :Jason Yeh Engineer



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBμV/m	dΒμV/m	dB
5648.84	Peak	58.07	8.49	66.56	68.20	-1.64
5650.00	Peak	49.11	8.48	57.58	68.20	-10.62
5700.00	Peak	49.77	9.42	59.20	105.20	-46.00
5720.00	Peak	49.84	9.51	59.35	110.80	-51.45
5725.00	Peak	56.65	9.53	66.18	122.20	-56.02

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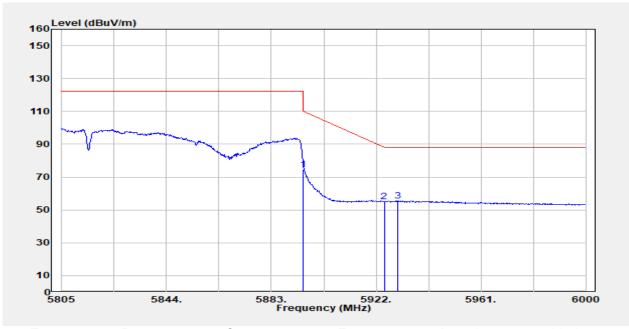
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode Antenna Pol. :Bandedge CH HIGH :Vertical

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Peak	65.70	8.86	74.56	110.20	-35.64
5925.00	Peak	46.20	8.85	55.04	88.20	-33.16
5930.19	Peak	46.72	8.84	55.57	88.20	-32.63

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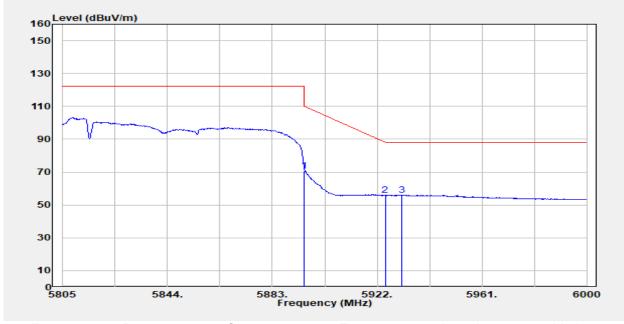
Report Number Test Site :SAC 1 :ER/2022/30038

Operation Mode :802.11ax160 Test Date :2022-04-28

:5815 MHz Test Frequency Temp./Humi. :23.8/70

Test Mode :Bandedge CH HIGH Antenna Pol. :Horizontal

EUT Pol :E2 Plane Engineer :Jason Yeh



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dΒμV	dB	dBµV/m	dBμV/m	dB
5895.00	Average	62.03	8.86	70.89	110.20	-39.31
5925.00	Average	46.92	8.85	55.77	88.20	-32.43
5931.17	Average	47.25	8.84	56.10	88.20	-32.10

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12 ANTENNA REQUIREMENT

12.1 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.

12.2 Antenna Connected Construction

The antenna is designed as permanently attached and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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