

802.11ac_80MHz_Chain0_5210MHz



802.11ac_80MHz_Chain0_5610MHz



802.11ac_80MHz_Chain0_5290MHz



802.11ac_80MHz_Chain0_5775MHz



802.11ac_80MHz_Chain0_5530MHz



802.11ac_80MHz_Chain1_5210MHz



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802.11ac_80MHz_Chain1_5290MHz



802.11ac_80MHz_Chain1_5775MHz



802.11ac_80MHz_Chain1_5530MHz



802.11ac_80MHz_Chain1_5610MHz



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

11.1.1 5150~5850 MHz

Applicable to	Operation Freq. (MHz)	EIRP		Field Strength @ 3m (dBμV/m)
		Freq. (MHz)	Limits (dBm/MHz)	
15.407(b)(1) RSS-247 §6.2.1.2	5150~5250	$f \leq 5150$ $f \geq 5350$	PK: -27	PK: 68.2
15.407(b)(2) RSS-247 §6.2.2.2	5250~5350			
15.407(b)(3) RSS-247 §6.2.3.2	5475~5725	$f \leq 5470$ $f \geq 5725$		
15.407(b)(4)(i) RSS-247 §6.2.4.2	5725~5850	at 75 MHz or more above or below the band edge	PK:-27	PK: 68.2
		increasing linearly from 75~25MHz above or below the band edge	PK:-27~10	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

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

11.1.2 Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with 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:

- The lower limit shall apply at the transition frequencies.

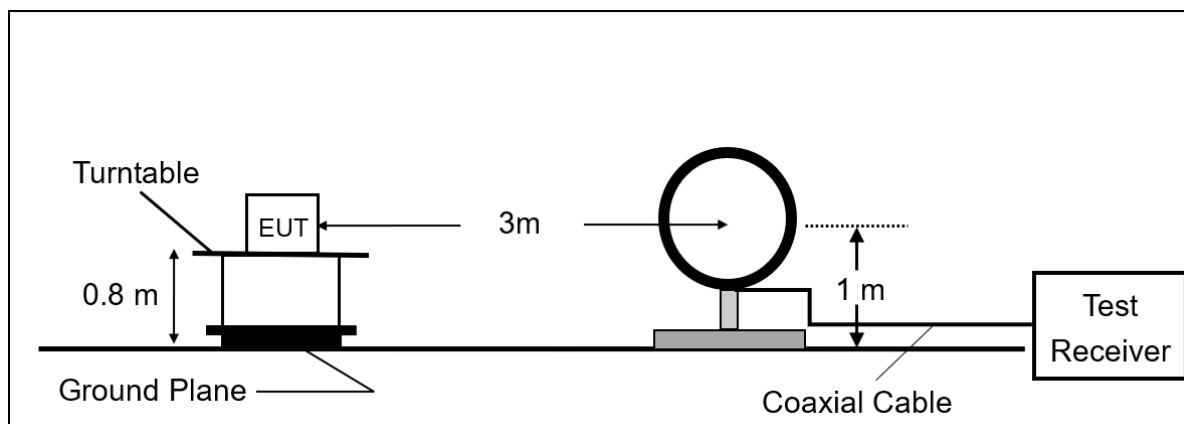
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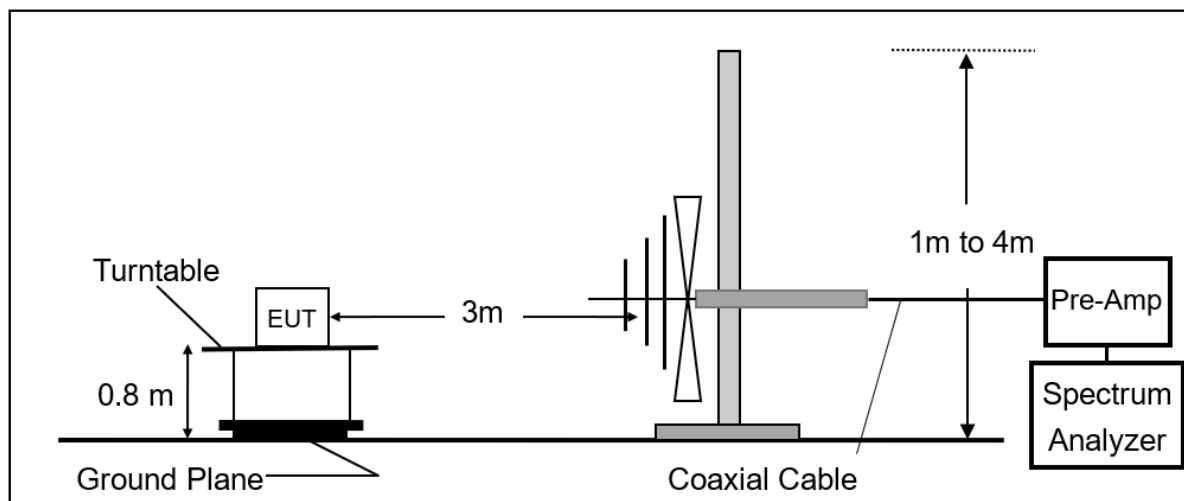
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11.2 Test Setup

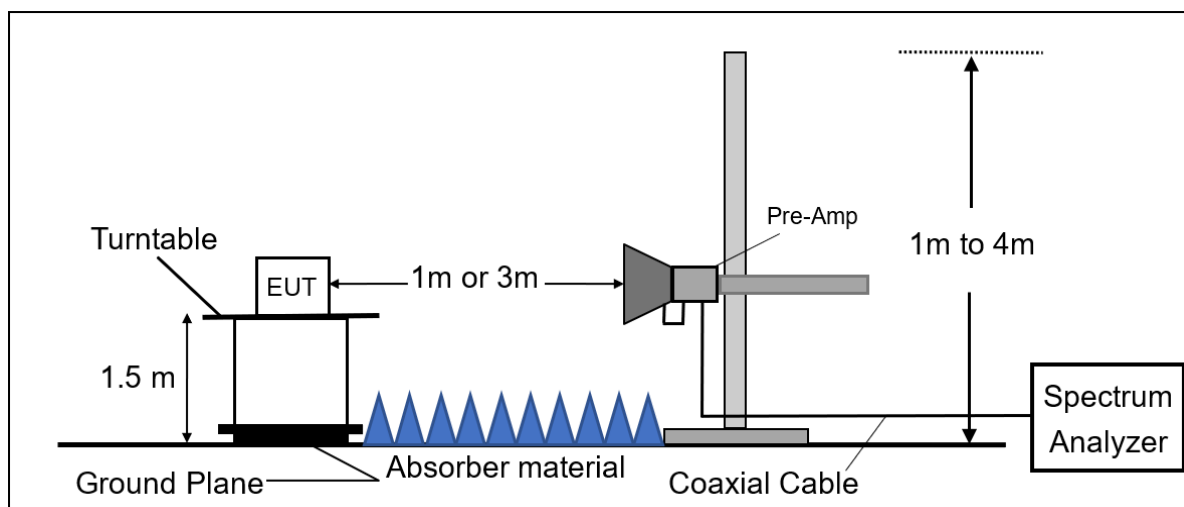
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.3 Measurement Procedure

1. The testing follows FCC KDB 789033 D02.
2. The EUT was placed on a turn table with 0.8m for frequency < 1GHz and 1.5m for frequency > 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz
6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Maximum Emission Measurements at frequency above 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW $\geq 1/T$ (Duty cycle < 98%) for Average Emission Measurements at frequency above 1 GHz.
9. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
11. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
12. Repeat above procedures until all 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 dB μ V/m, which converts $20 \cdot \log(\mu\text{V/m})$

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

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

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

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

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11.6 Radiated Spurious Emission Measurement Result

11.6.1 Spurious Emission

11.6.1.1 FM4500F connect FM-SHARK-DUAL antenna

Report Number :ER/2021/A0117

Test Site :SAC 3

Operation Mode :802.11n20

Test Date :2022-02-24

Test Frequency :5220 MHz

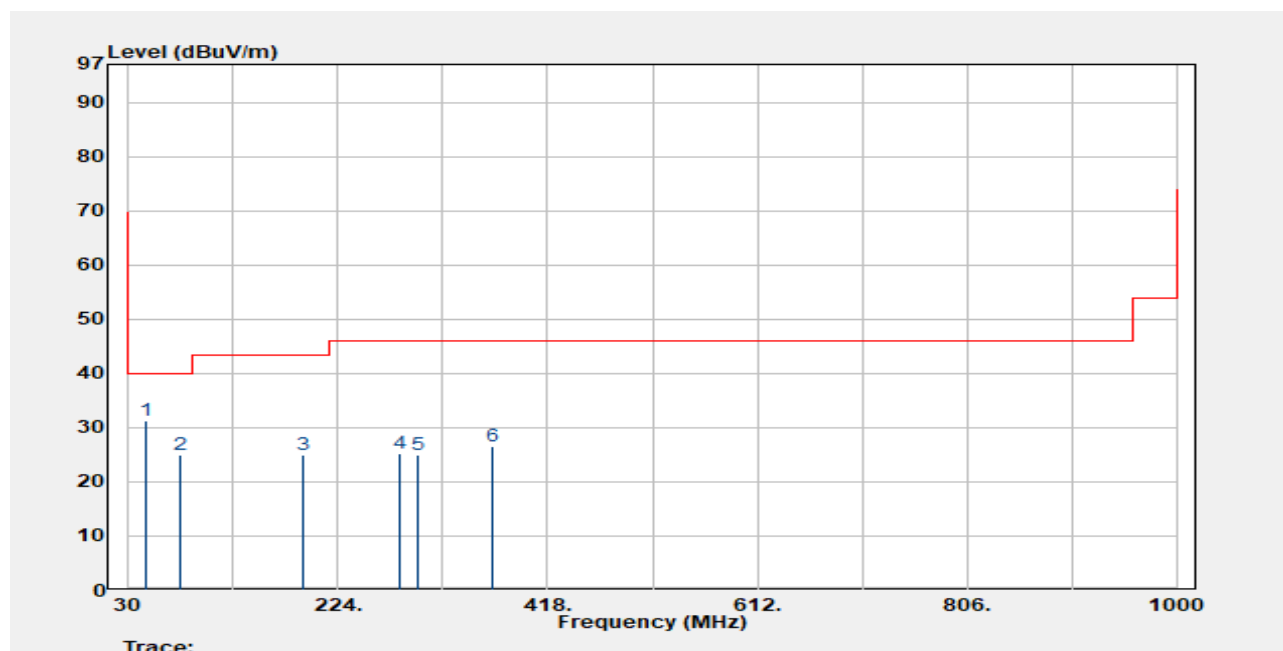
Temp./Humi. :19.3/58

Test Mode :Tx CH Mid

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
46.167	Peak	39.21	-8.01	31.20	40.00	-8.80
78.500	Peak	36.71	-11.68	25.03	40.00	-14.97
191.667	Peak	34.29	-9.42	24.87	43.50	-18.63
280.583	Peak	31.53	-6.23	25.30	46.00	-20.70
298.367	Peak	30.89	-5.90	24.99	46.00	-21.01
366.267	Peak	31.00	-4.47	26.53	46.00	-19.47

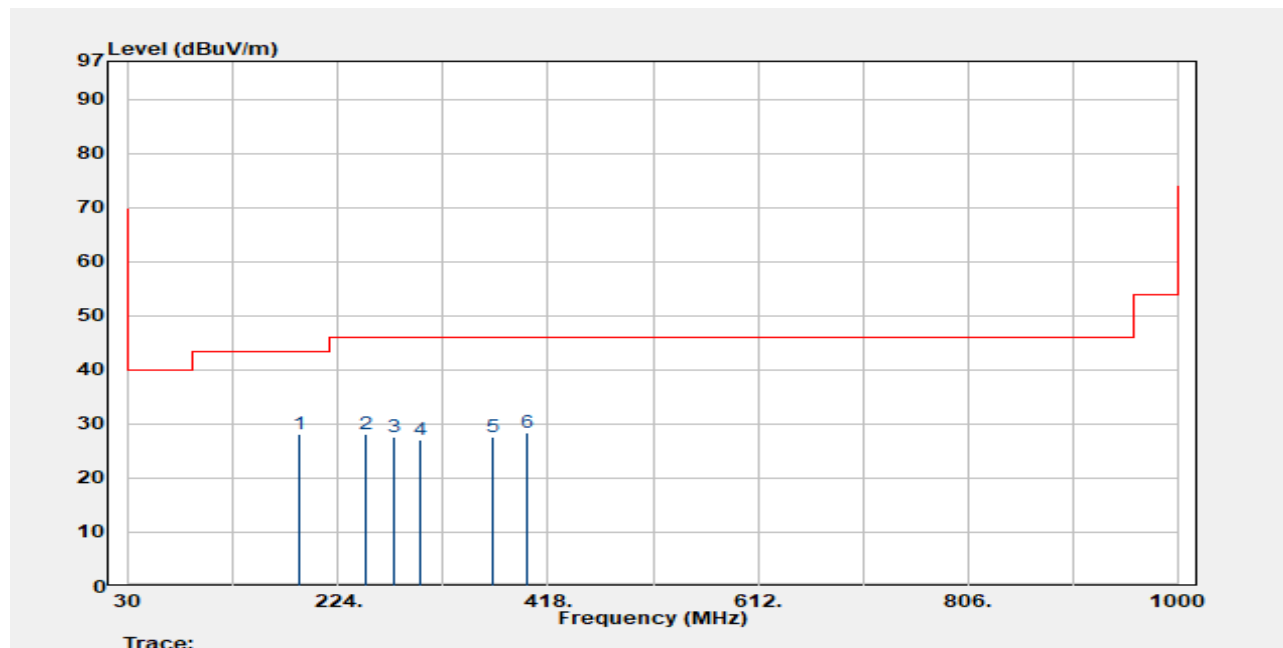
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-24
 Temp./Humi. :19.3/58
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
188.433	Peak	37.39	-9.31	28.08	43.50	-15.42
249.867	Peak	35.98	-7.79	28.20	46.00	-17.80
275.733	Peak	34.07	-6.53	27.55	46.00	-18.45
299.983	Peak	33.03	-5.90	27.14	46.00	-18.86
366.267	Peak	32.00	-4.47	27.53	46.00	-18.47
398.600	Peak	32.39	-3.92	28.48	46.00	-17.52

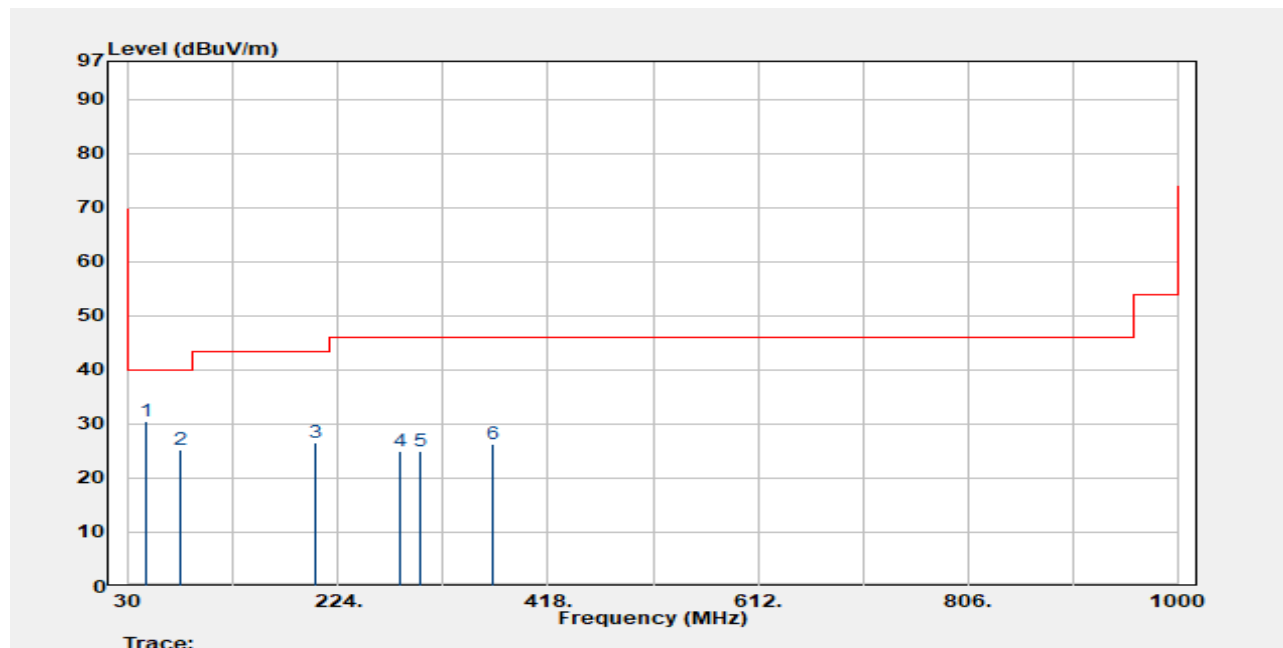
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Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
46.167	Peak	38.53	-8.01	30.52	40.00	-9.48
78.500	Peak	36.89	-11.68	25.21	40.00	-14.79
202.983	Peak	35.96	-9.51	26.44	43.50	-17.06
280.583	Peak	31.19	-6.23	24.97	46.00	-21.03
299.983	Peak	30.95	-5.90	25.05	46.00	-20.95
366.267	Peak	30.81	-4.47	26.35	46.00	-19.65

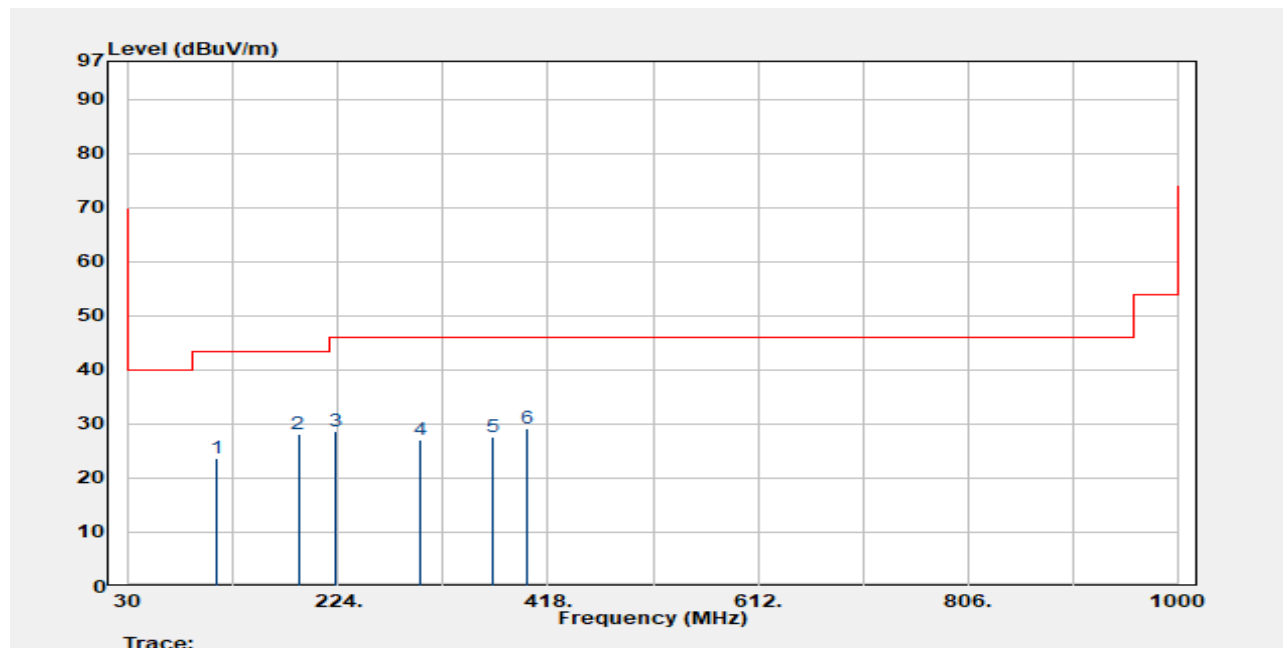
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Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
110.833	Peak	34.29	-10.64	23.64	43.50	-19.86
186.817	Peak	37.21	-9.17	28.04	43.50	-15.46
220.767	Peak	37.88	-9.12	28.76	46.00	-17.24
299.983	Peak	33.08	-5.90	27.18	46.00	-18.82
366.267	Peak	32.13	-4.47	27.66	46.00	-18.34
398.600	Peak	33.10	-3.92	29.18	46.00	-16.82

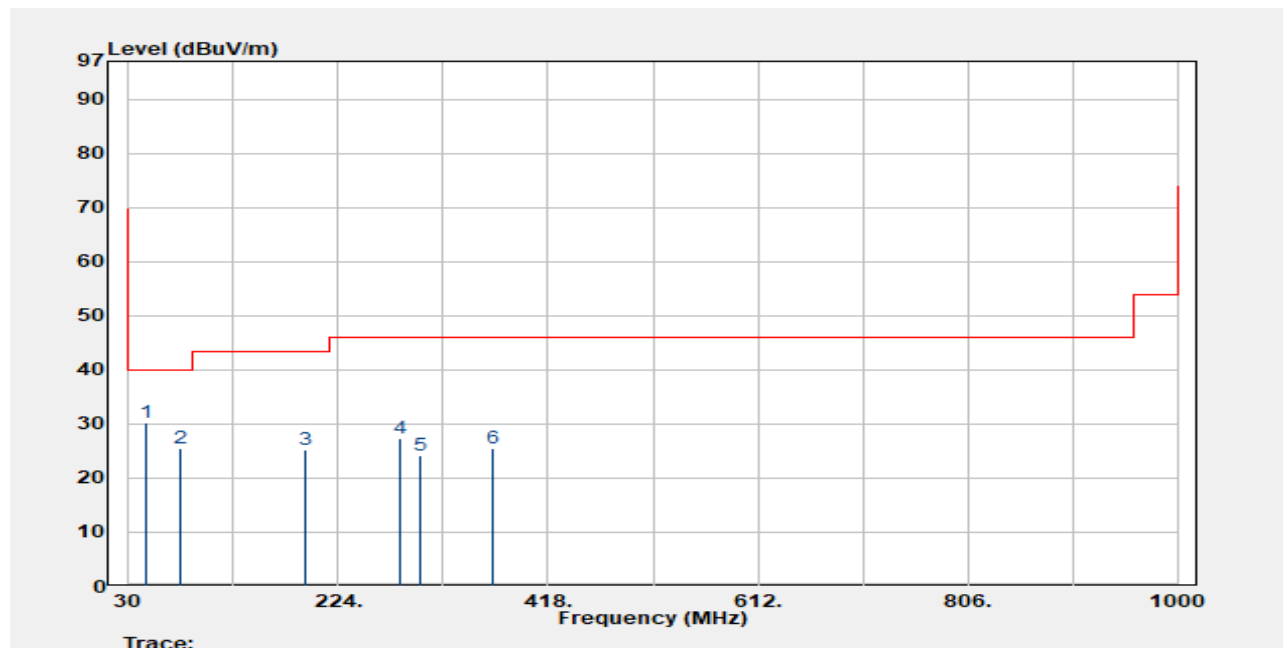
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Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
46.167	Peak	38.37	-8.01	30.36	40.00	-9.64
78.500	Peak	37.07	-11.68	25.39	40.00	-14.61
193.283	Peak	34.60	-9.50	25.10	43.50	-18.40
280.583	Peak	33.69	-6.23	27.46	46.00	-18.54
299.983	Peak	30.10	-5.90	24.21	46.00	-21.79
366.267	Peak	30.03	-4.47	25.56	46.00	-20.44

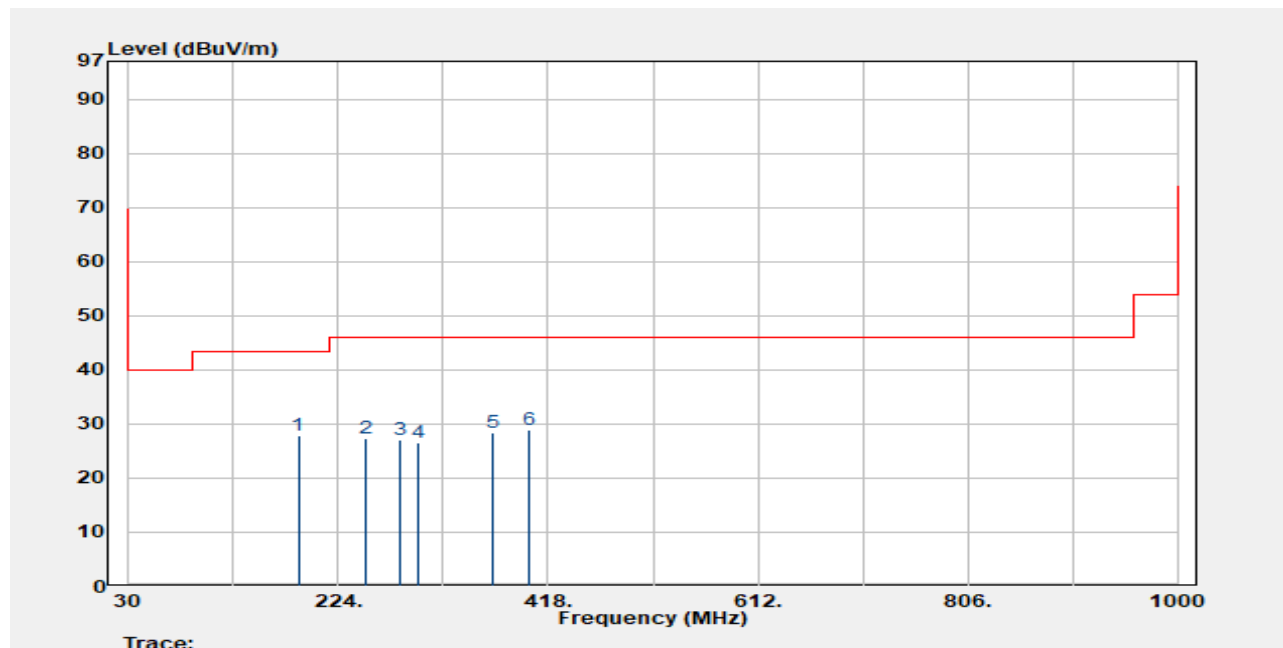
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EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
186.817	Peak	37.00	-9.17	27.84	43.50	-15.66
249.867	Peak	35.13	-7.79	27.34	46.00	-18.66
280.583	Peak	33.27	-6.23	27.04	46.00	-18.96
298.367	Peak	32.48	-5.90	26.58	46.00	-19.42
366.267	Peak	32.79	-4.47	28.33	46.00	-17.67
400.217	Peak	32.78	-3.91	28.87	46.00	-17.13

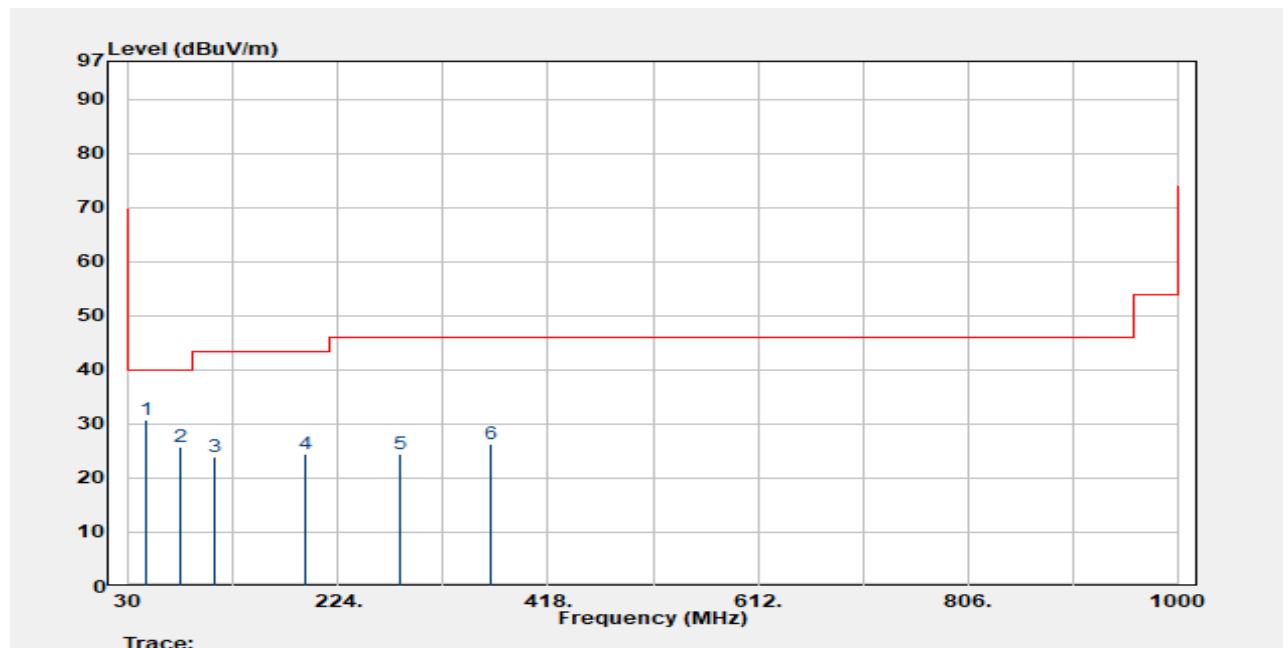
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-24
 Temp./Humi. :19.3/58
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
46.167	Peak	38.74	-8.01	30.72	40.00	-9.28
78.500	Peak	37.34	-11.68	25.66	40.00	-14.34
109.217	Peak	34.78	-10.82	23.96	43.50	-19.54
193.283	Peak	33.89	-9.50	24.39	43.50	-19.11
280.583	Peak	30.67	-6.23	24.44	46.00	-21.56
364.650	Peak	30.85	-4.50	26.35	46.00	-19.65

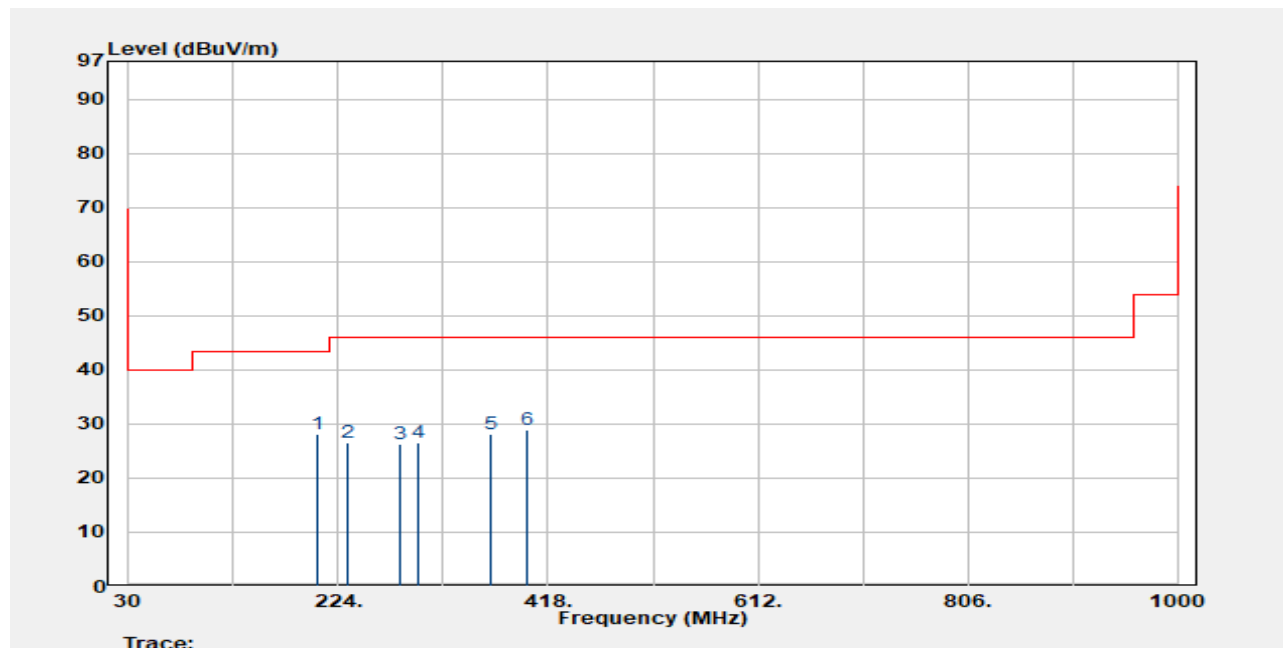
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-24
 Temp./Humi. :19.3/58
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
204.600	Peak	37.62	-9.57	28.05	43.50	-15.45
232.083	Peak	35.08	-8.65	26.43	46.00	-19.57
280.583	Peak	32.44	-6.23	26.22	46.00	-19.78
298.367	Peak	32.35	-5.90	26.45	46.00	-19.55
364.650	Peak	32.51	-4.50	28.02	46.00	-17.98
398.600	Peak	32.73	-3.92	28.81	46.00	-17.19

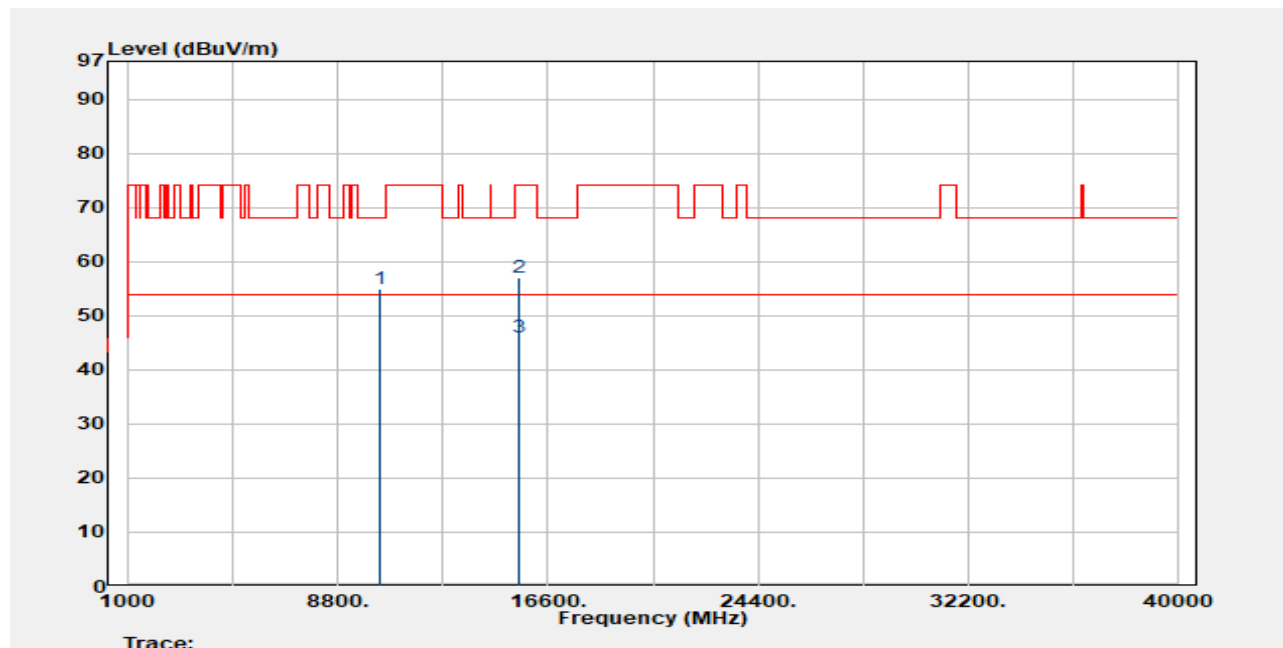
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.000	Peak	34.24	20.80	55.04	68.20	-13.16
15540.000	Peak	34.04	22.92	56.96	74.00	-17.04
15540.000	Average	23.01	22.92	45.93	54.00	-8.07

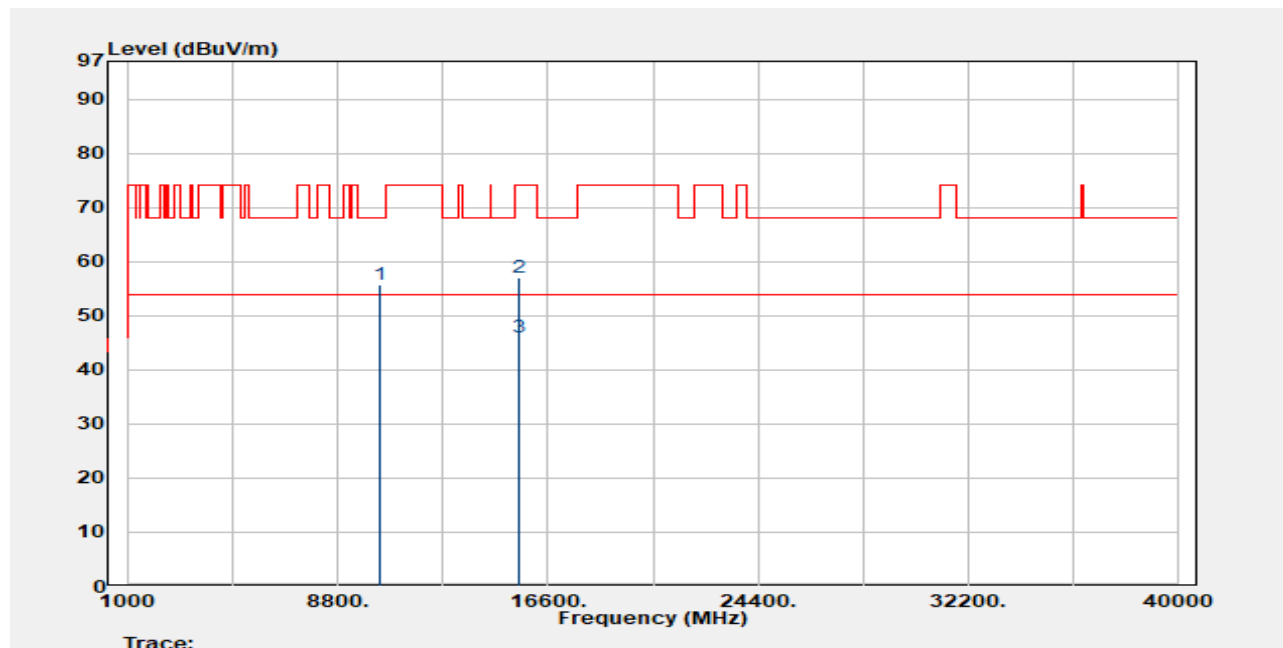
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10360.000	Peak	34.84	20.80	55.64	68.20	-12.56
15540.000	Peak	34.24	22.92	57.16	74.00	-16.84
15540.000	Average	23.05	22.92	45.97	54.00	-8.03

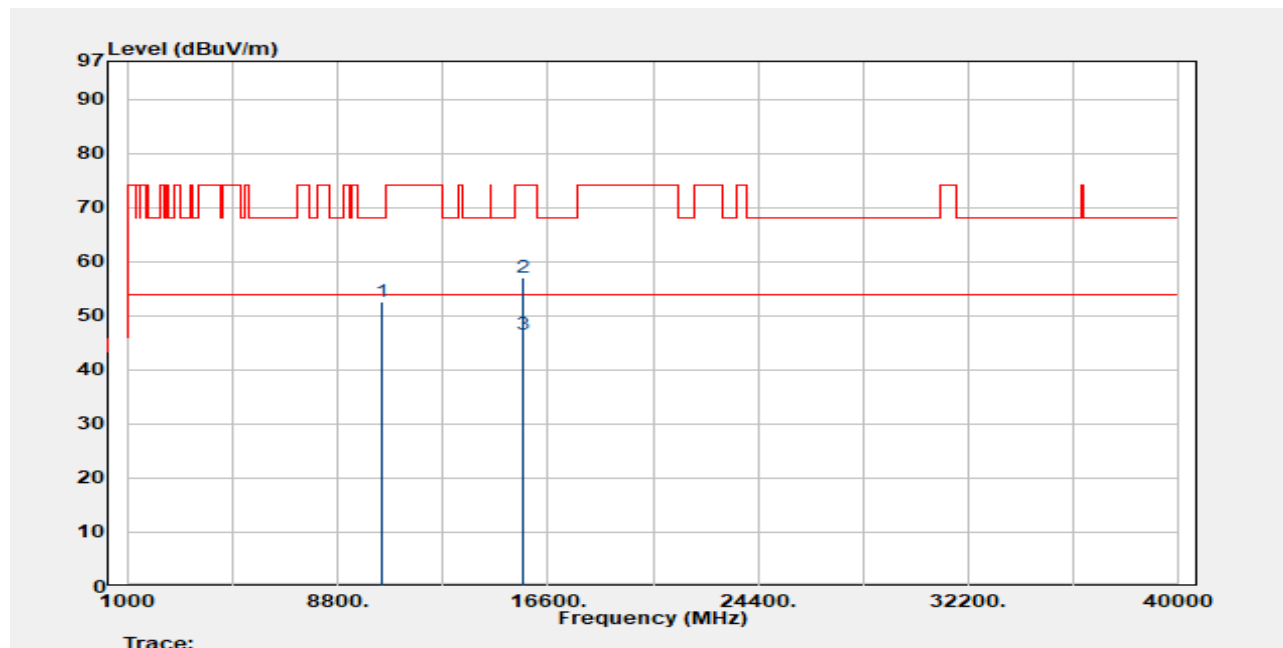
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.000	Peak	32.77	19.88	52.65	68.20	-15.55
15660.000	Peak	33.61	23.40	57.01	74.00	-16.99
15660.000	Average	23.24	23.40	46.64	54.00	-7.36

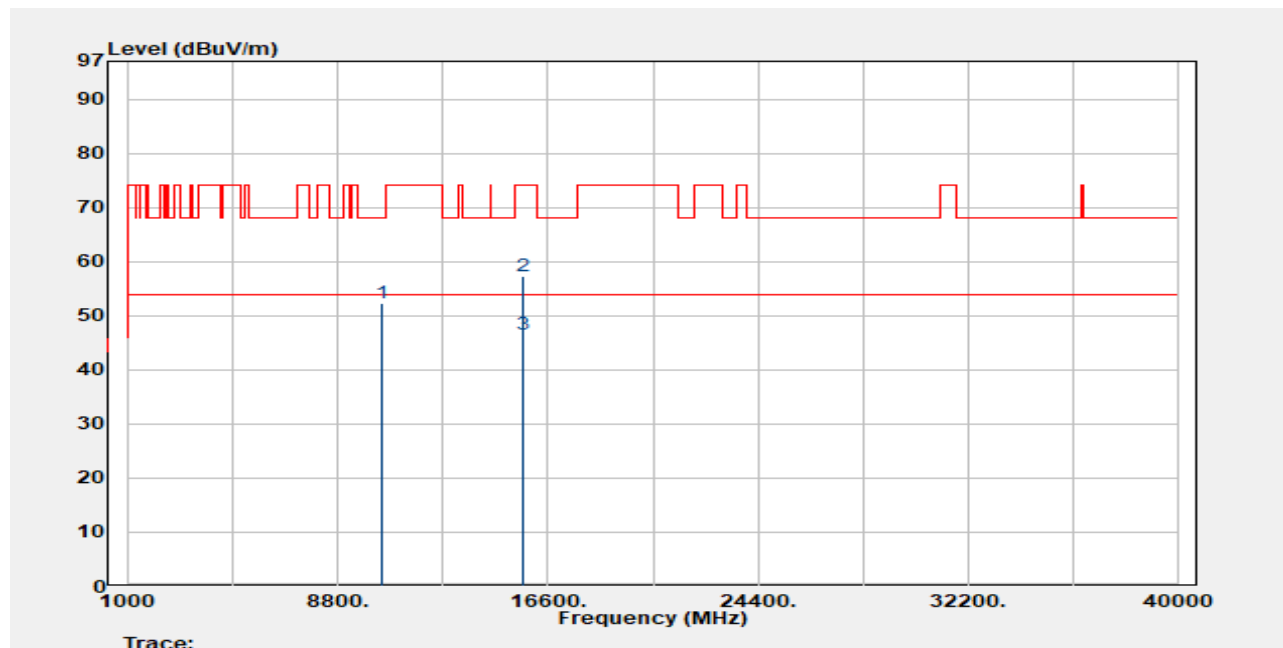
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10440.000	Peak	32.55	19.88	52.43	68.20	-15.77
15660.000	Peak	33.87	23.40	57.26	74.00	-16.74
15660.000	Average	23.19	23.40	46.59	54.00	-7.41

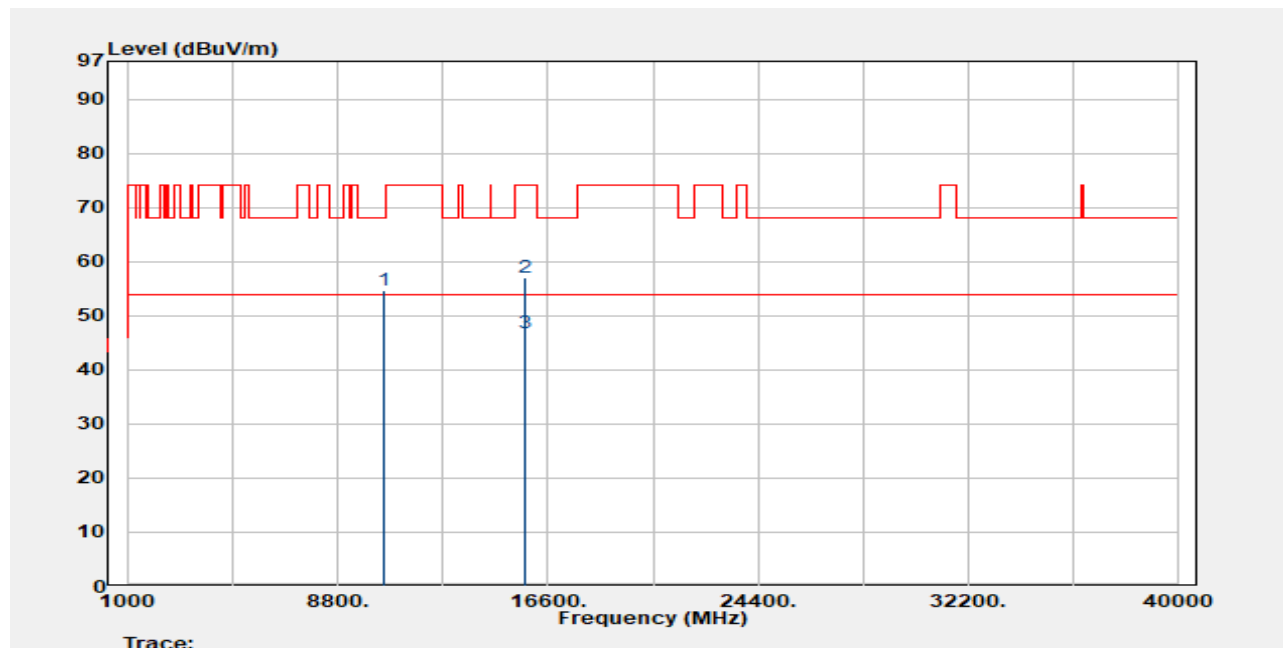
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.000	Peak	33.43	21.13	54.56	68.20	-13.64
15720.000	Peak	33.33	23.59	56.92	74.00	-17.08
15720.000	Average	23.18	23.59	46.77	54.00	-7.23

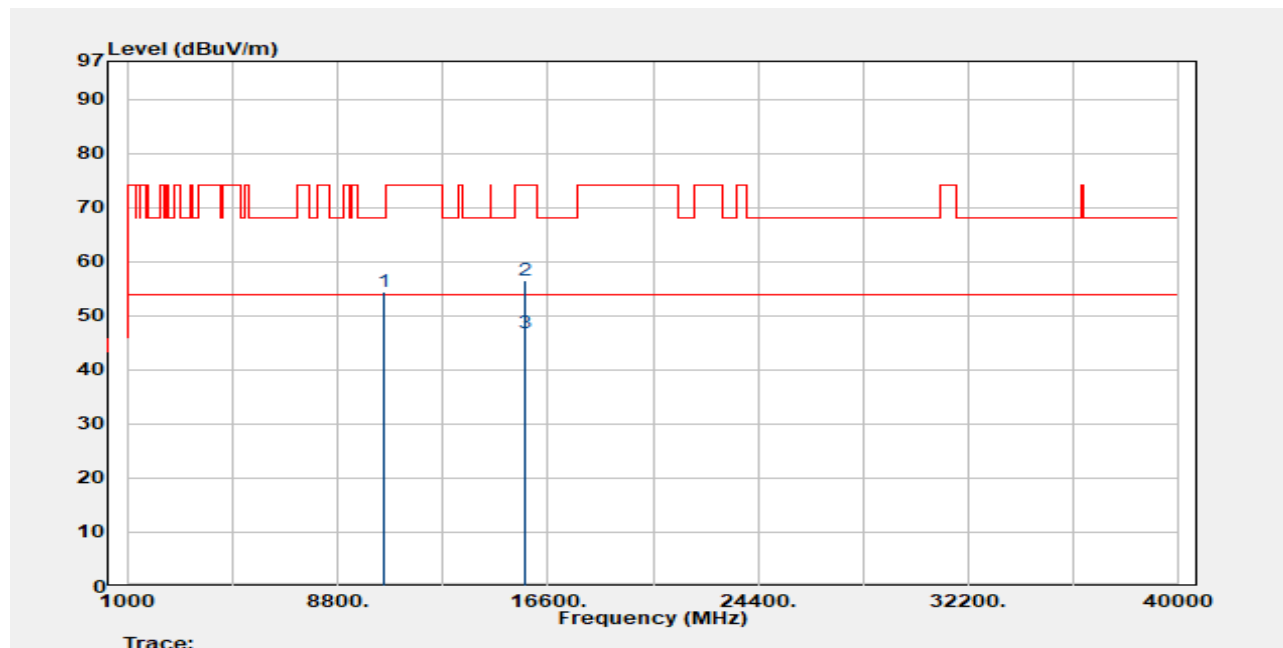
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5240 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.000	Peak	33.21	21.13	54.34	68.20	-13.86
15720.000	Peak	33.05	23.59	56.64	74.00	-17.36
15720.000	Average	23.19	23.59	46.78	54.00	-7.22

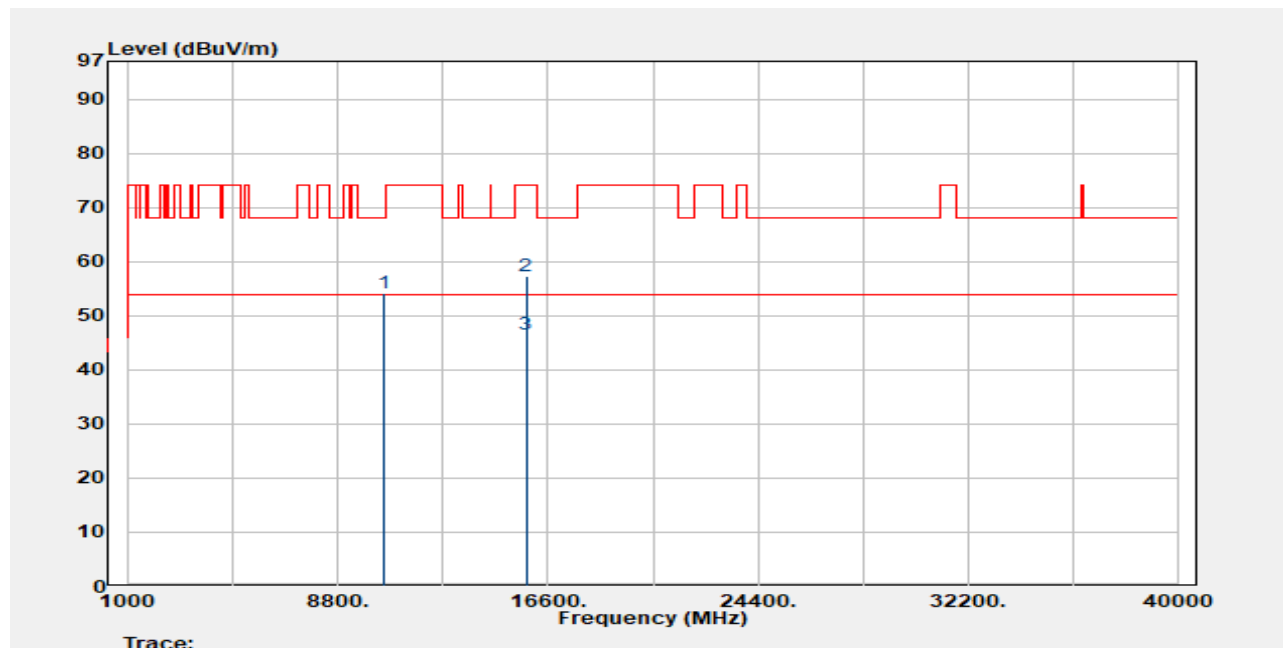
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.000	Peak	32.45	21.61	54.07	68.20	-14.13
15780.000	Peak	33.89	23.30	57.19	74.00	-16.81
15780.000	Average	23.11	23.30	46.41	54.00	-7.59

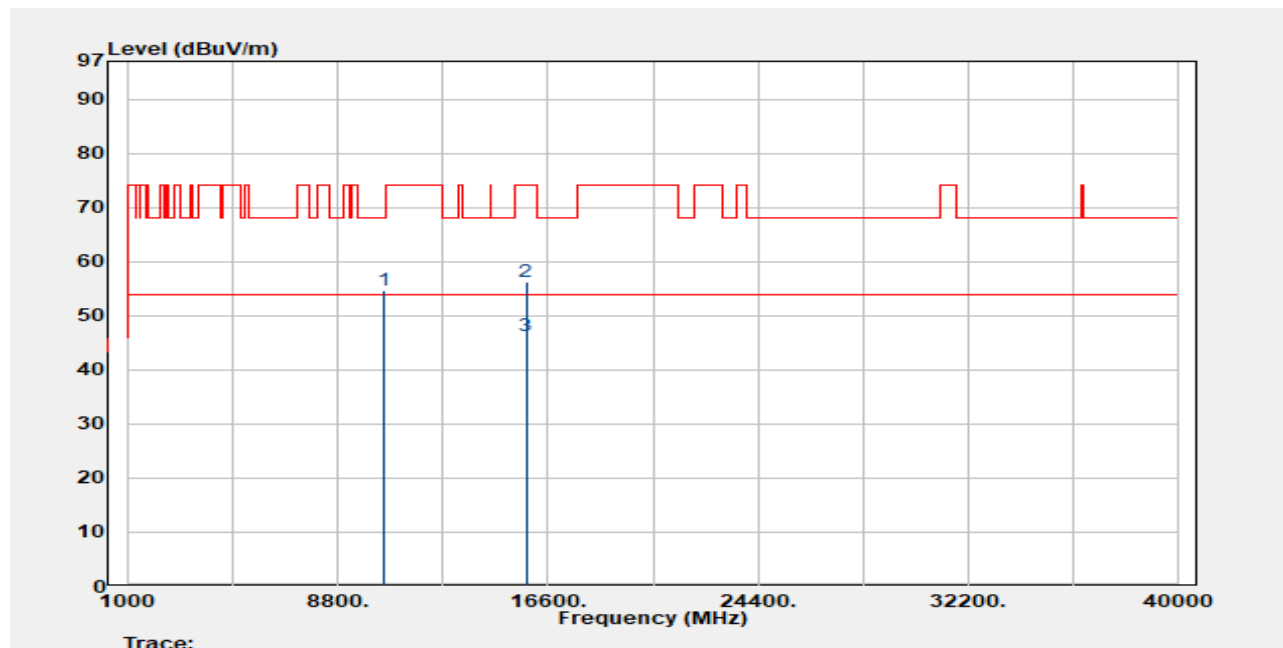
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10520.000	Peak	33.09	21.61	54.70	68.20	-13.50
15780.000	Peak	32.90	23.30	56.20	74.00	-17.80
15780.000	Average	23.10	23.30	46.40	54.00	-7.60

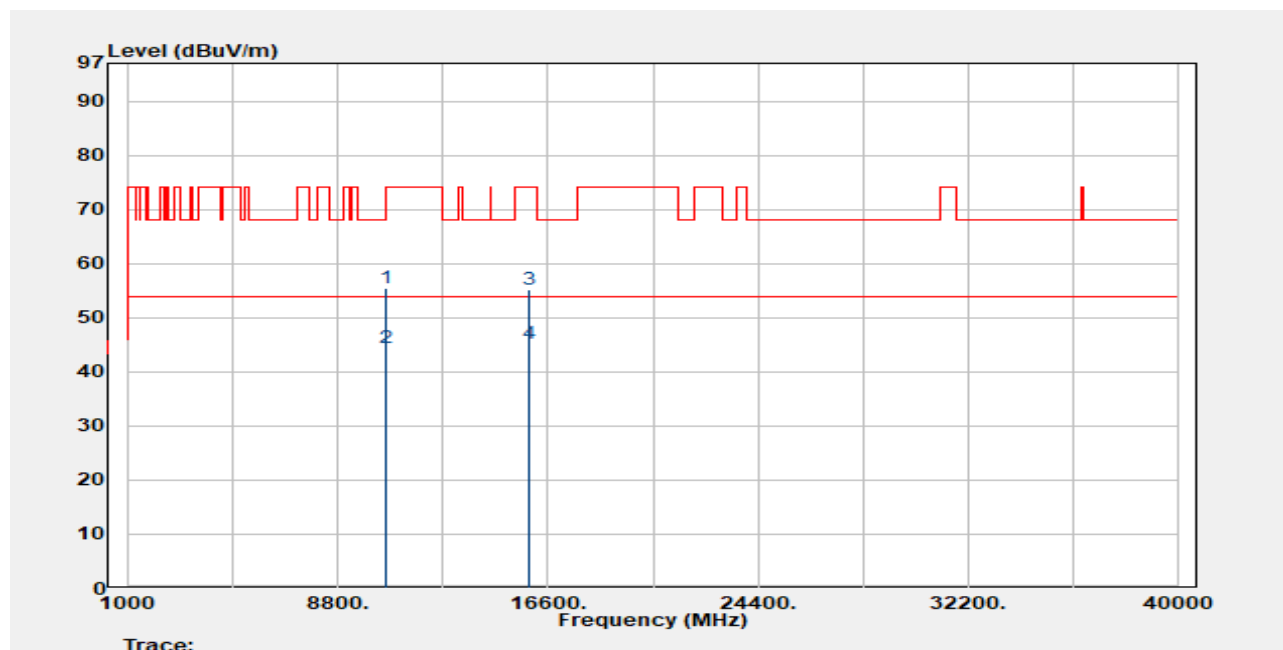
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



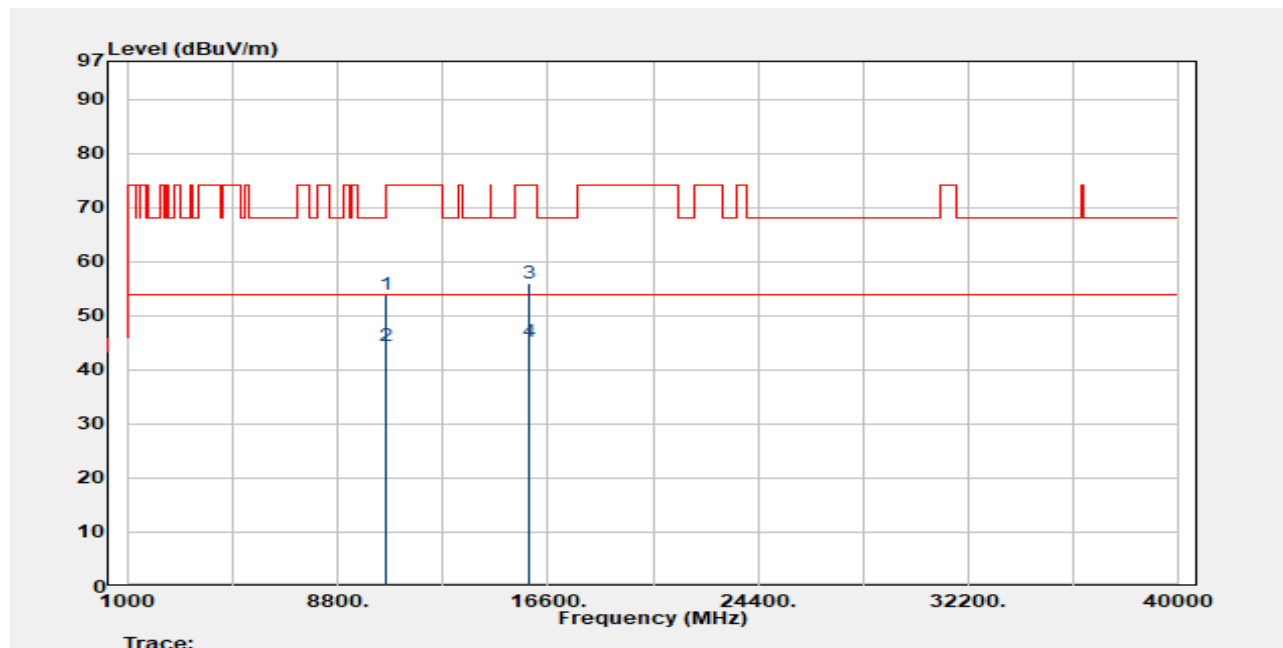
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.000	Peak	34.82	20.66	55.48	74.00	-18.52
10600.000	Average	23.77	20.66	44.43	54.00	-9.57
15900.000	Peak	32.72	22.36	55.08	74.00	-18.92
15900.000	Average	22.83	22.36	45.19	54.00	-8.81

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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.000	Peak	33.18	20.66	53.84	74.00	-20.16
10600.000	Average	23.77	20.66	44.43	54.00	-9.57
15900.000	Peak	33.68	22.36	56.04	74.00	-17.96
15900.000	Average	22.76	22.36	45.12	54.00	-8.88

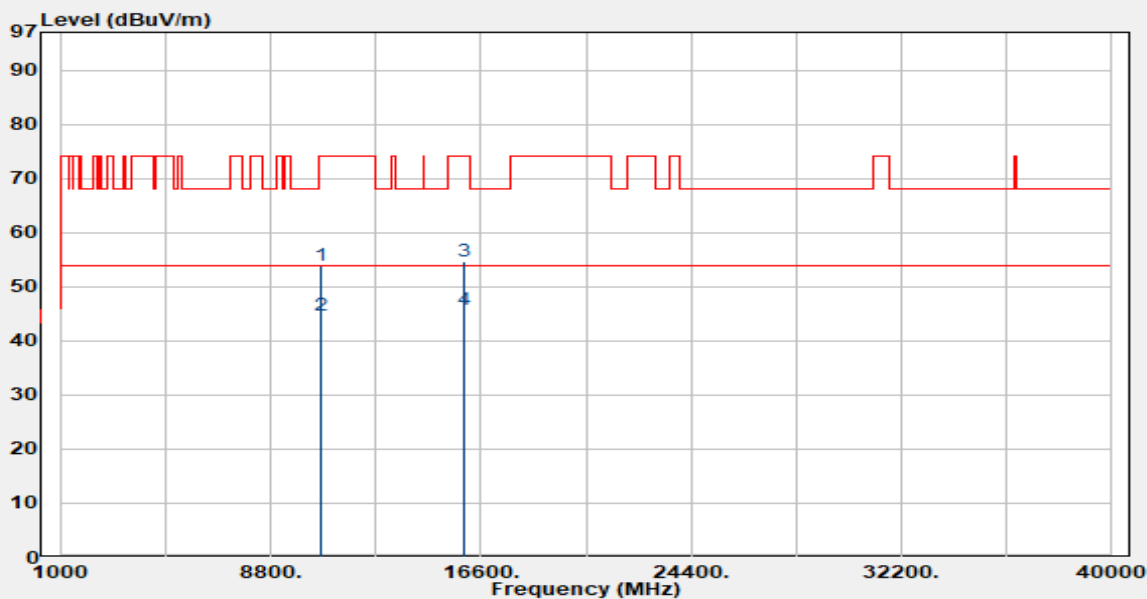
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



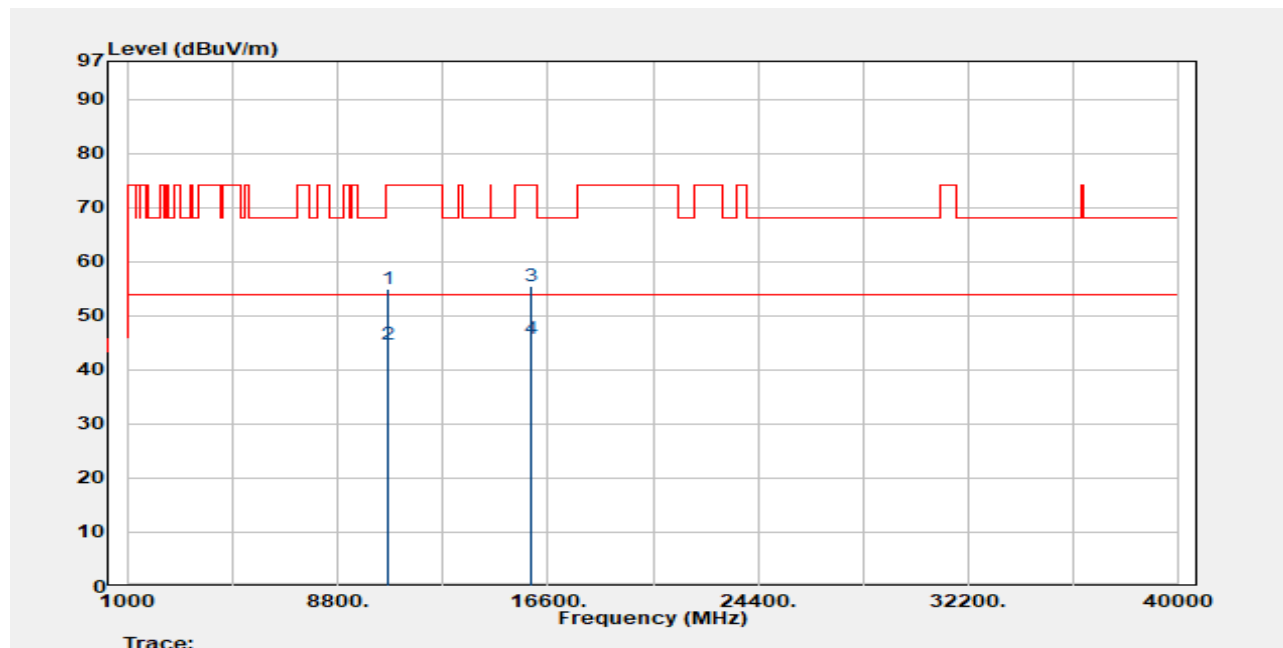
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.000	Peak	32.90	21.11	54.00	74.00	-20.00
10640.000	Average	23.46	21.11	44.57	54.00	-9.43
15960.000	Peak	32.22	22.59	54.81	74.00	-19.19
15960.000	Average	23.22	22.59	45.81	54.00	-8.19

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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10640.000	Peak	33.92	21.11	55.03	74.00	-18.97
10640.000	Average	23.62	21.11	44.73	54.00	-9.27
15960.000	Peak	33.00	22.59	55.59	74.00	-18.41
15960.000	Average	23.21	22.59	45.80	54.00	-8.20

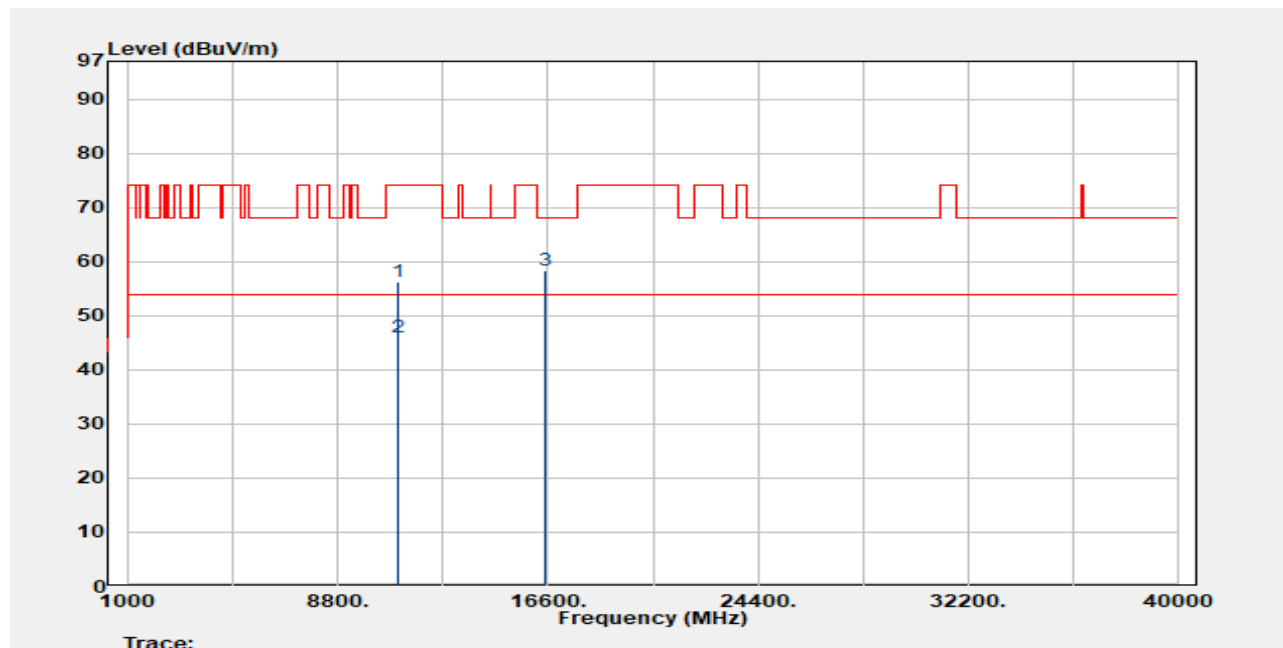
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.000	Peak	33.52	22.63	56.15	74.00	-17.85
11000.000	Average	23.36	22.63	45.99	54.00	-8.01
16500.000	Peak	32.41	25.82	58.23	68.20	-9.97

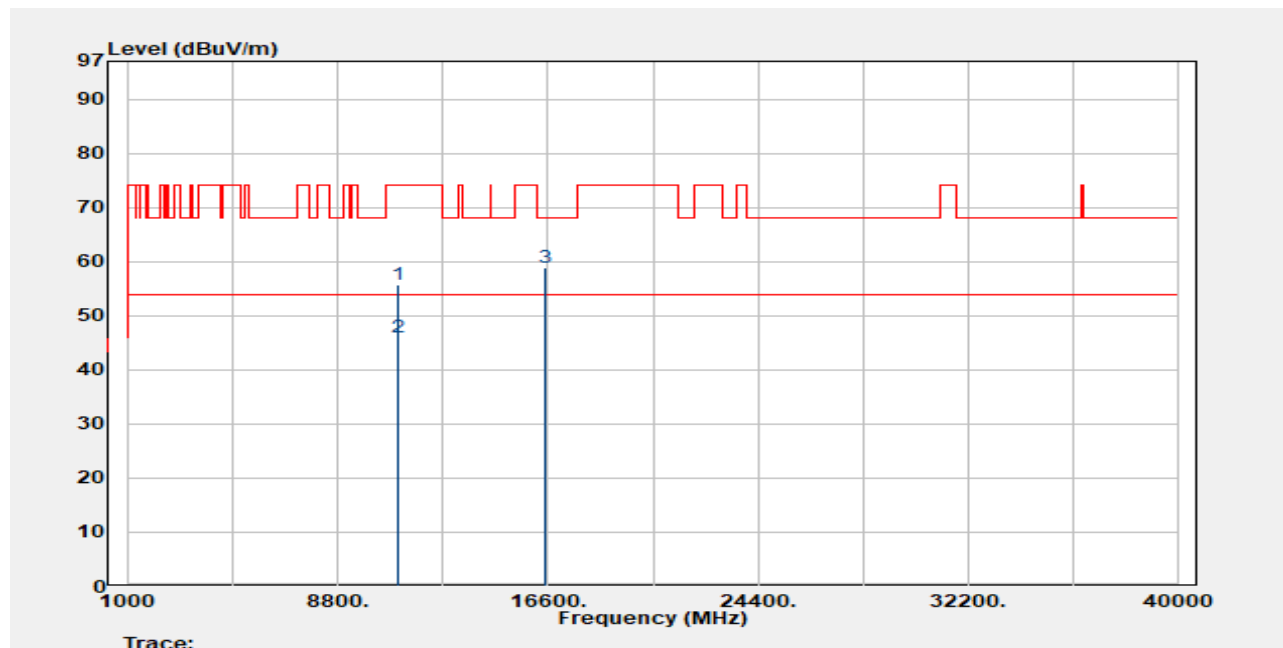
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5500 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.000	Peak	33.05	22.63	55.68	74.00	-18.32
11000.000	Average	23.45	22.63	46.08	54.00	-7.92
16500.000	Peak	33.18	25.82	59.01	68.20	-9.19

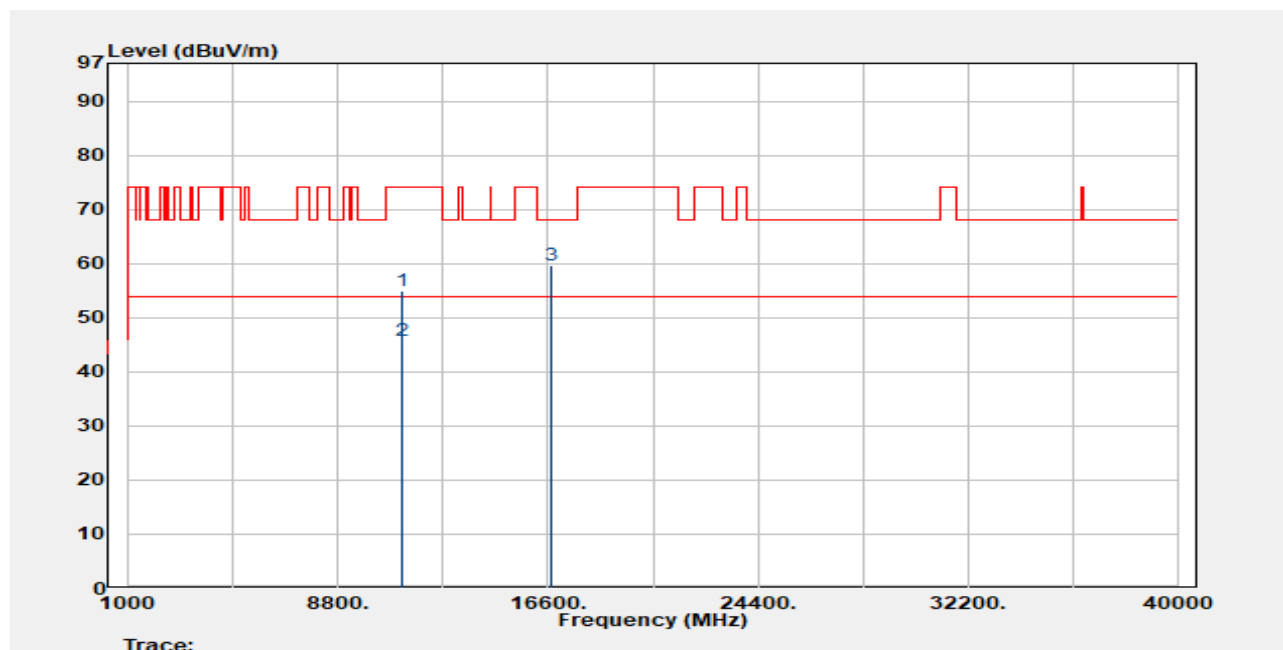
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.000	Peak	33.13	21.80	54.93	74.00	-19.07
11160.000	Average	23.93	21.80	45.73	54.00	-8.27
16740.000	Peak	32.14	27.46	59.60	68.20	-8.60

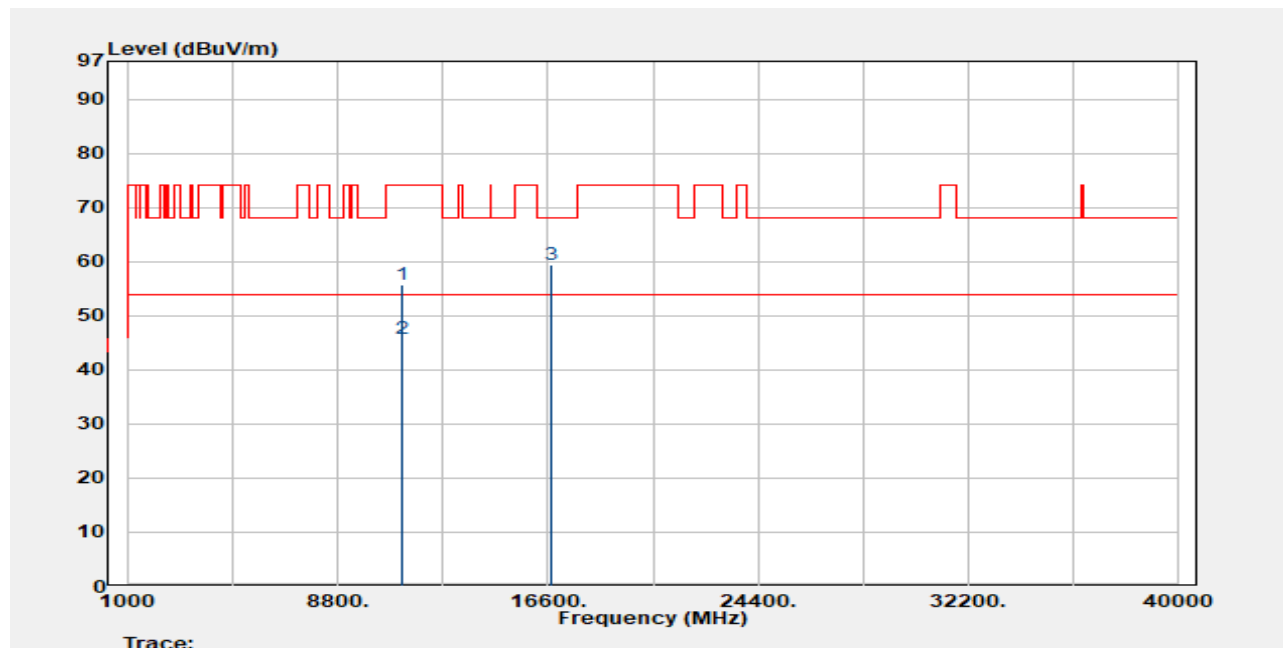
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.000	Peak	33.84	21.80	55.64	74.00	-18.36
11160.000	Average	23.92	21.80	45.72	54.00	-8.28
16740.000	Peak	32.03	27.46	59.49	68.20	-8.71

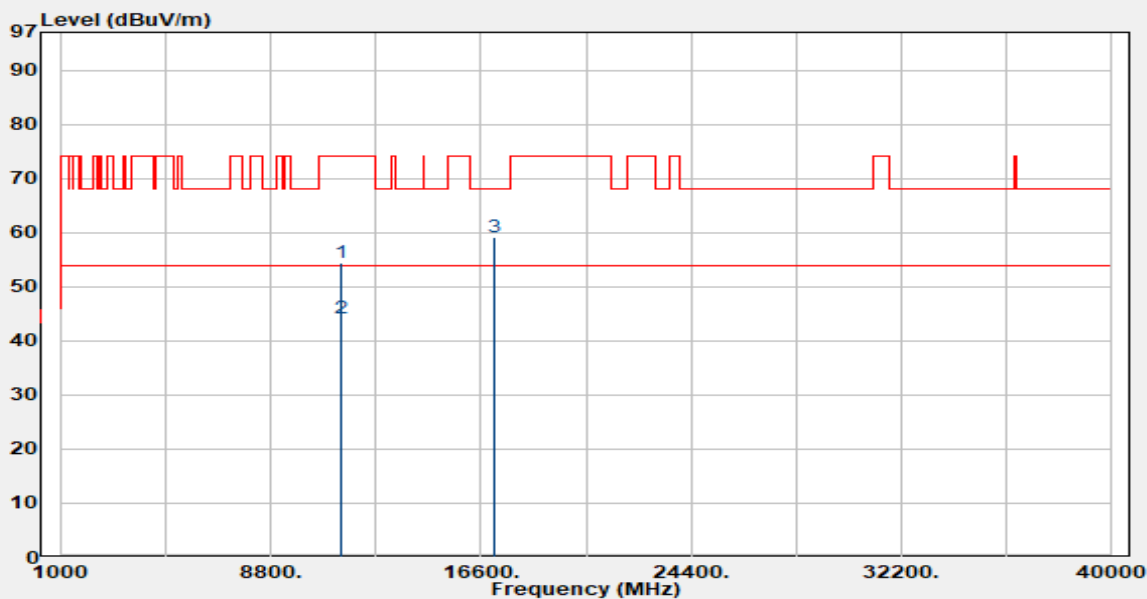
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.000	Peak	33.73	20.76	54.49	74.00	-19.51
11400.000	Average	23.33	20.76	44.09	54.00	-9.91
17100.000	Peak	31.49	27.66	59.14	68.20	-9.06

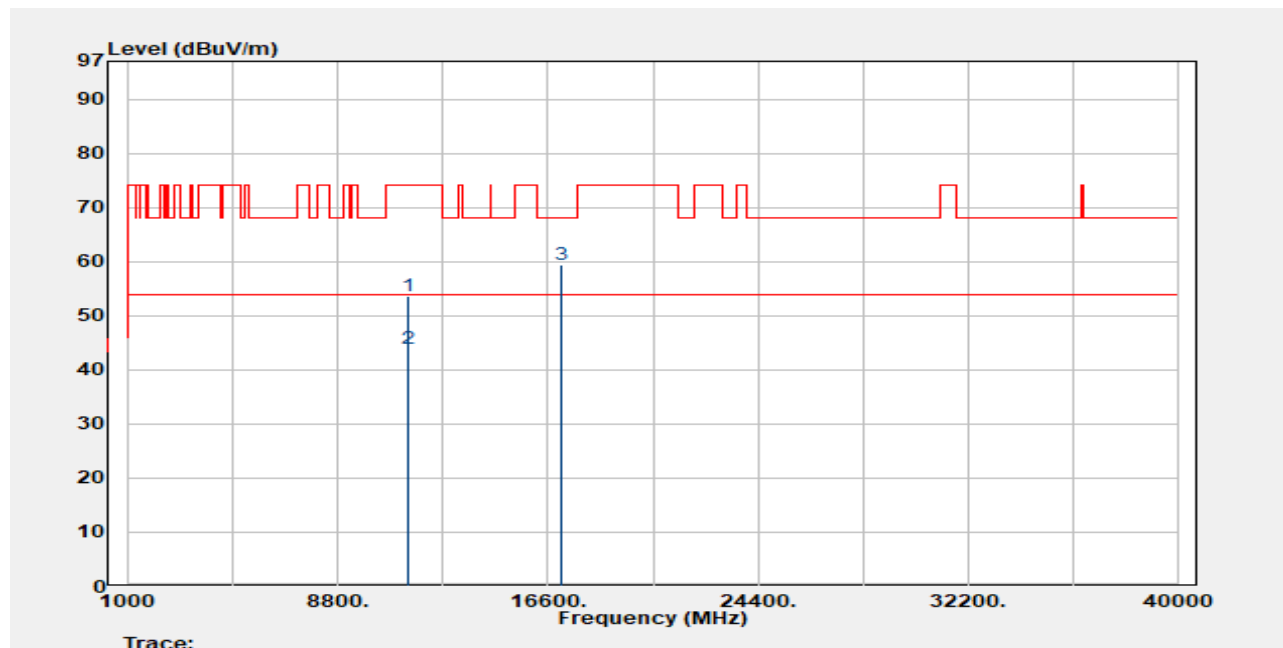
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11400.000	Peak	32.75	20.76	53.51	74.00	-20.49
11400.000	Average	23.18	20.76	43.94	54.00	-10.06
17100.000	Peak	31.85	27.66	59.50	68.20	-8.70

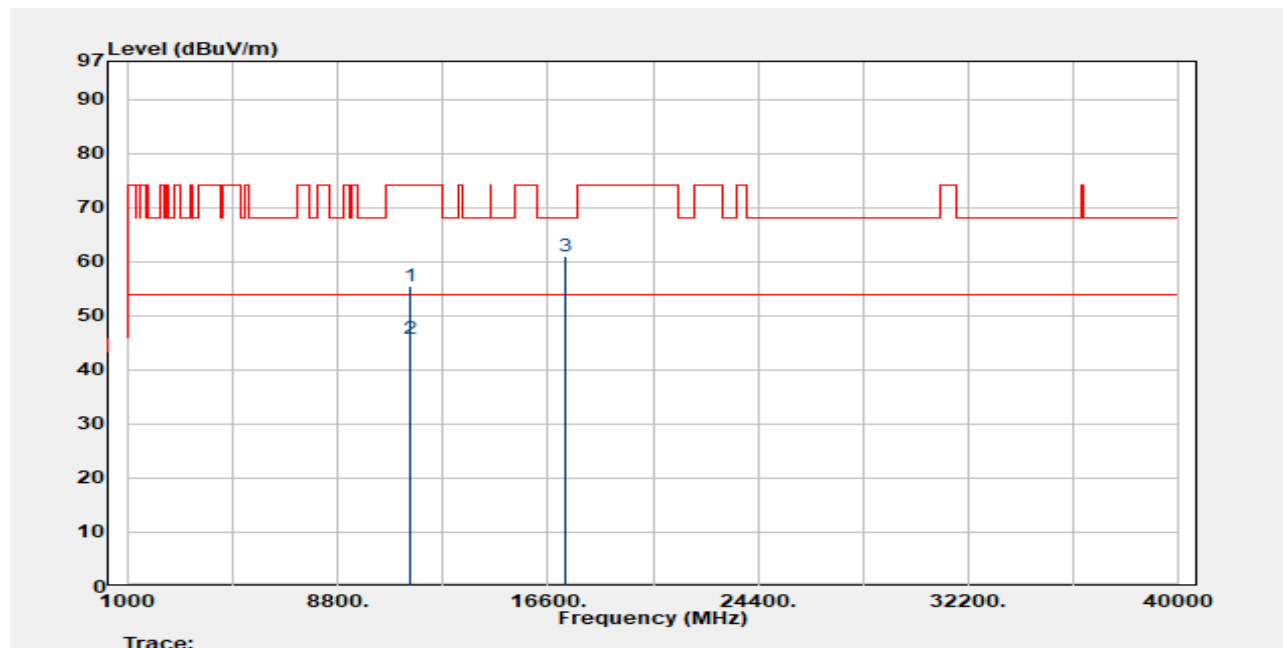
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5745 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.000	Peak	32.93	22.41	55.34	74.00	-18.66
11490.000	Average	23.22	22.41	45.63	54.00	-8.37
17235.000	Peak	32.25	28.86	61.12	68.20	-7.08

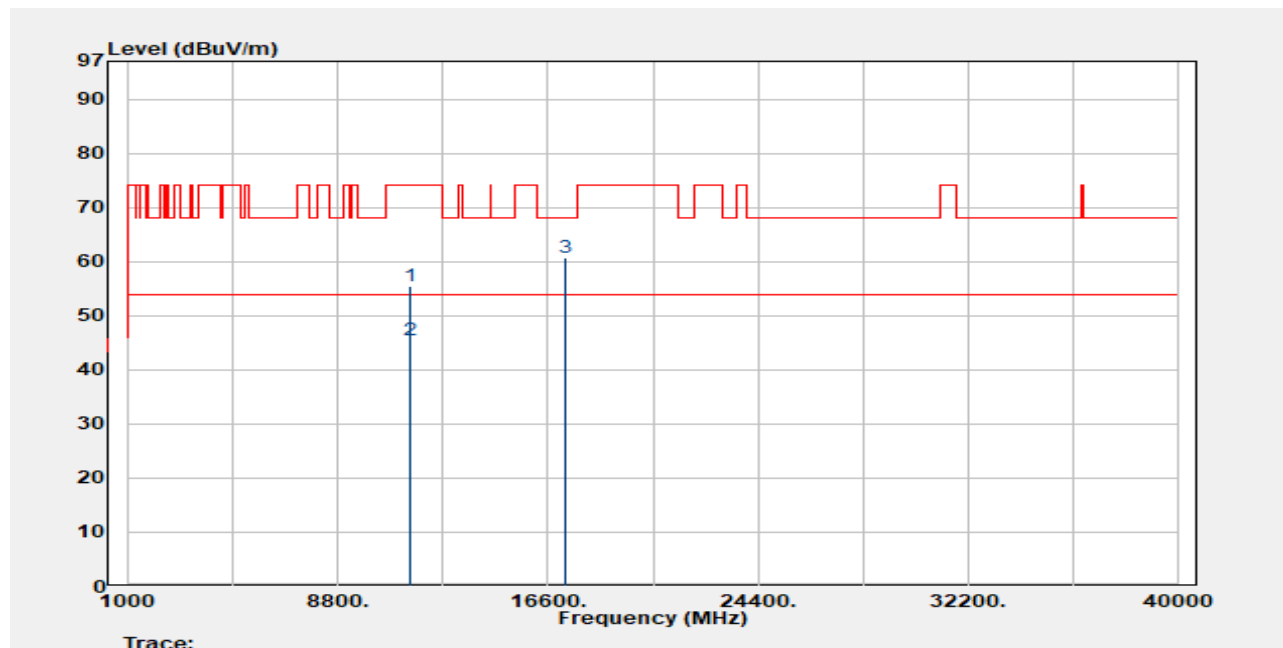
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.000	Peak	32.98	22.41	55.39	74.00	-18.61
11490.000	Average	23.07	22.41	45.48	54.00	-8.52
17235.000	Peak	31.79	28.86	60.66	68.20	-7.54

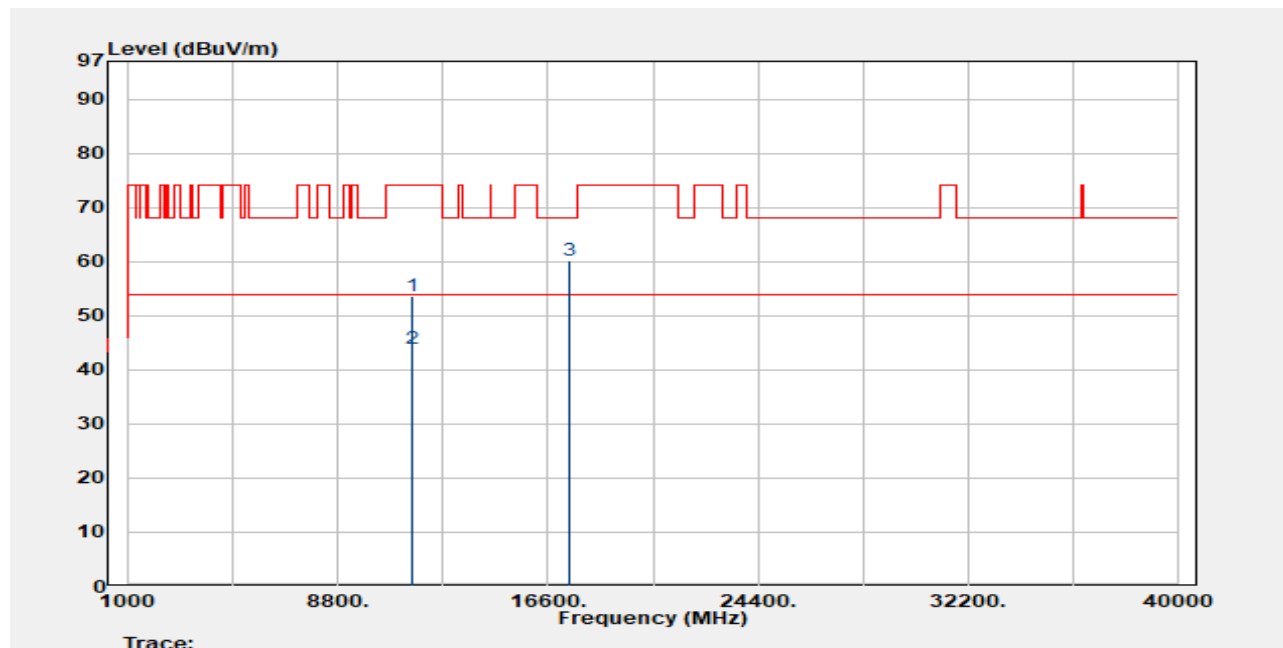
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



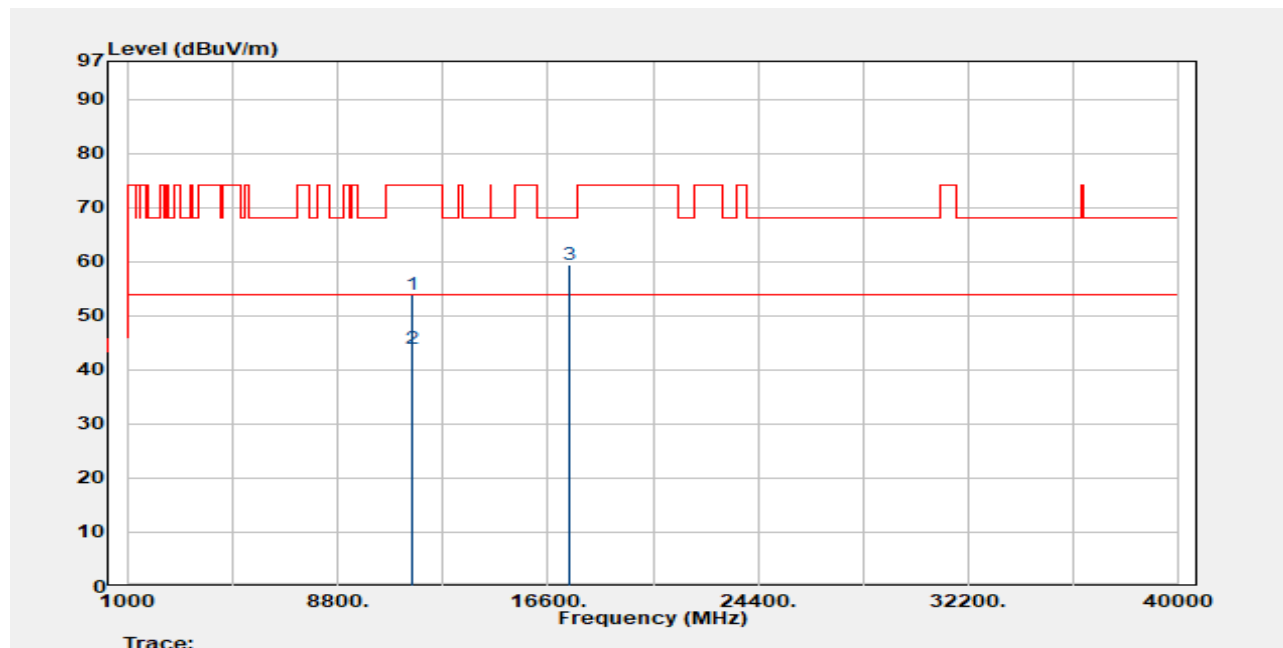
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.000	Peak	33.08	20.62	53.70	74.00	-20.30
11570.000	Average	23.36	20.62	43.98	54.00	-10.02
17355.000	Peak	32.17	28.16	60.32	68.20	-7.88

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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.000	Peak	33.27	20.62	53.89	74.00	-20.11
11570.000	Average	23.22	20.62	43.84	54.00	-10.16
17355.000	Peak	31.28	28.16	59.44	68.20	-8.76

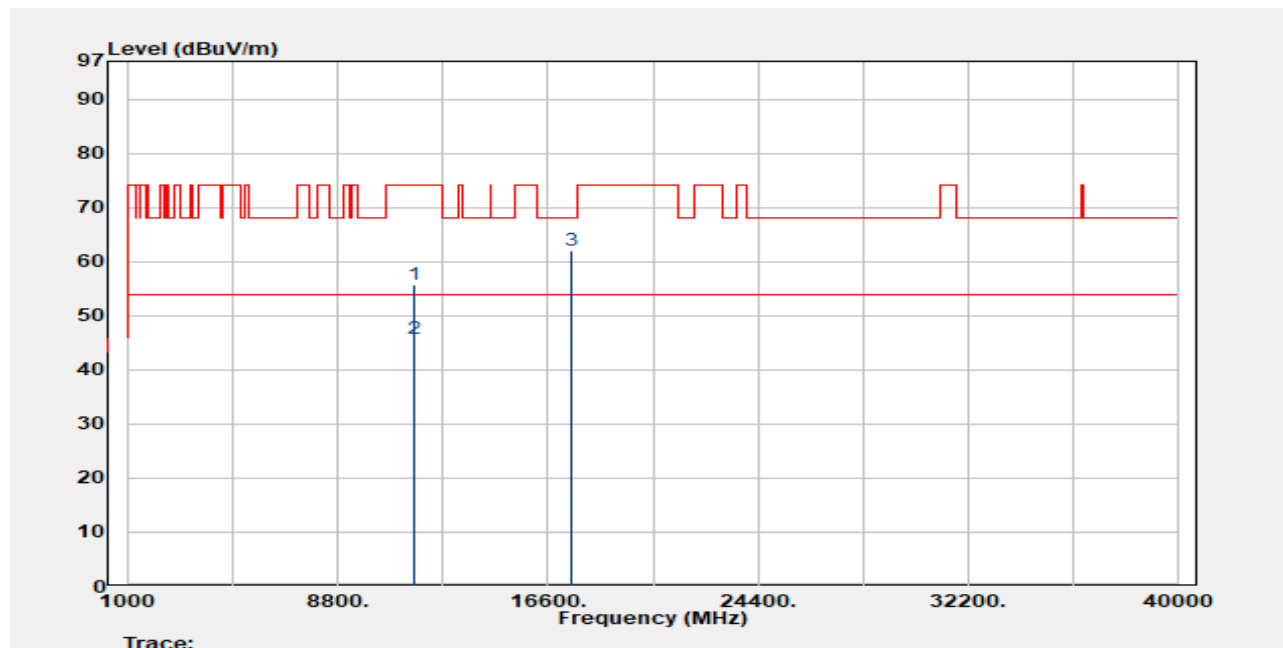
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.000	Peak	33.36	22.29	55.64	74.00	-18.36
11650.000	Average	23.53	22.29	45.82	54.00	-8.18
17475.000	Peak	31.72	30.21	61.93	68.20	-6.27

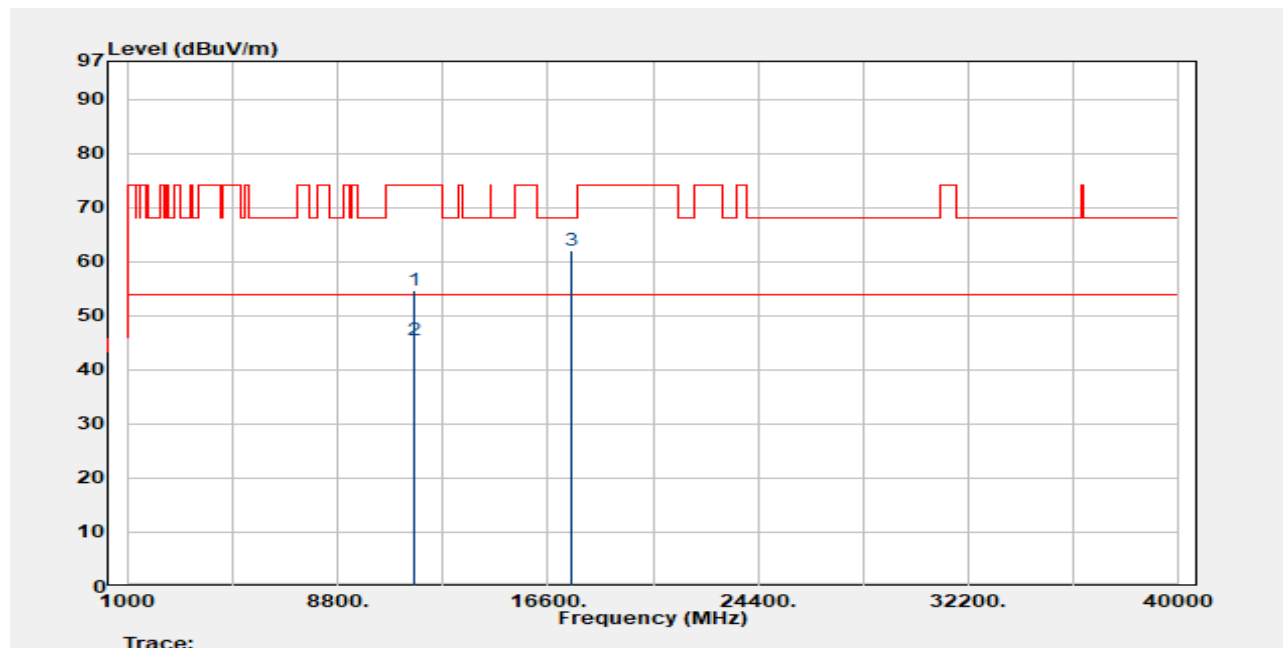
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.000	Peak	32.50	22.29	54.79	74.00	-19.21
11650.000	Average	23.29	22.29	45.58	54.00	-8.42
17475.000	Peak	31.84	30.21	62.05	68.20	-6.15

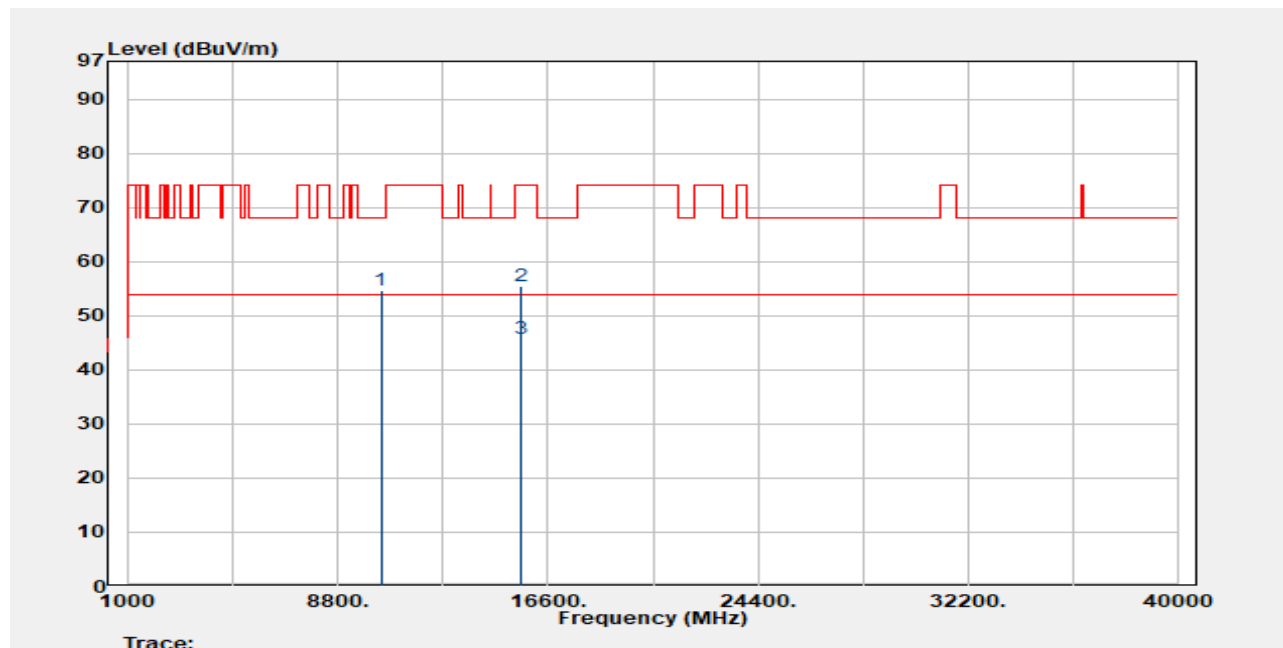
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.000	Peak	34.20	20.59	54.79	68.20	-13.41
15570.000	Peak	32.44	22.98	55.41	74.00	-18.59
15570.000	Average	22.82	22.98	45.80	54.00	-8.20

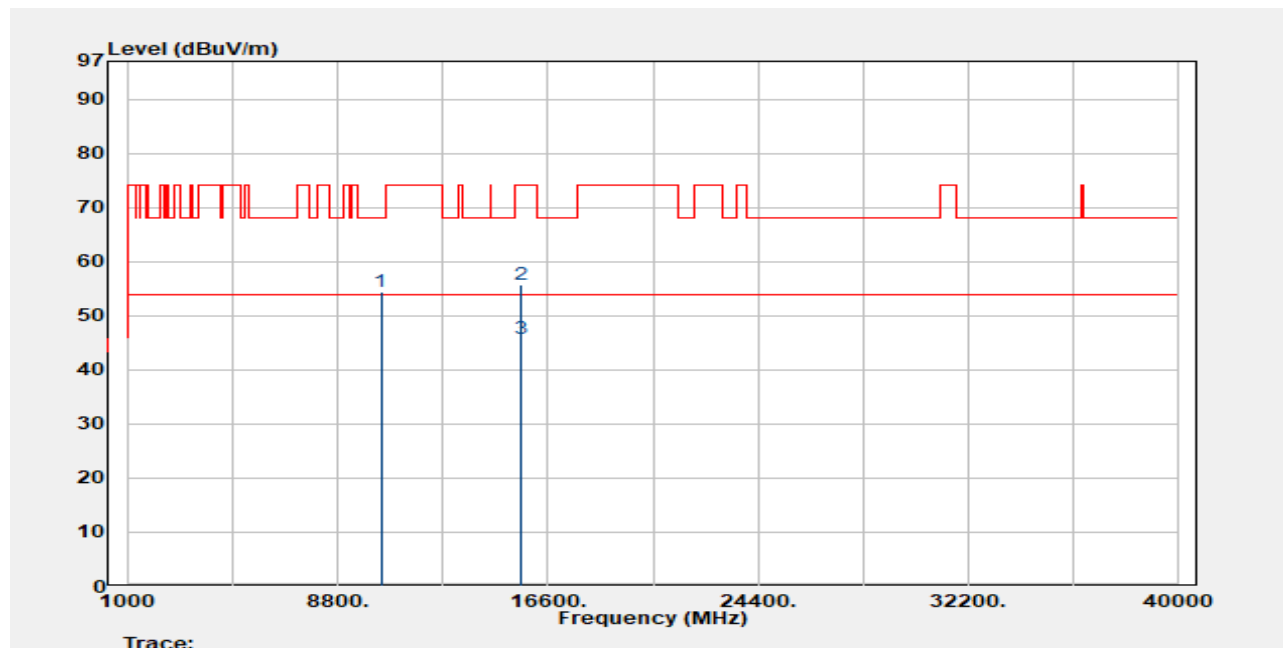
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10380.000	Peak	33.81	20.59	54.40	68.20	-13.80
15570.000	Peak	32.74	22.98	55.71	74.00	-18.29
15570.000	Average	22.83	22.98	45.81	54.00	-8.19

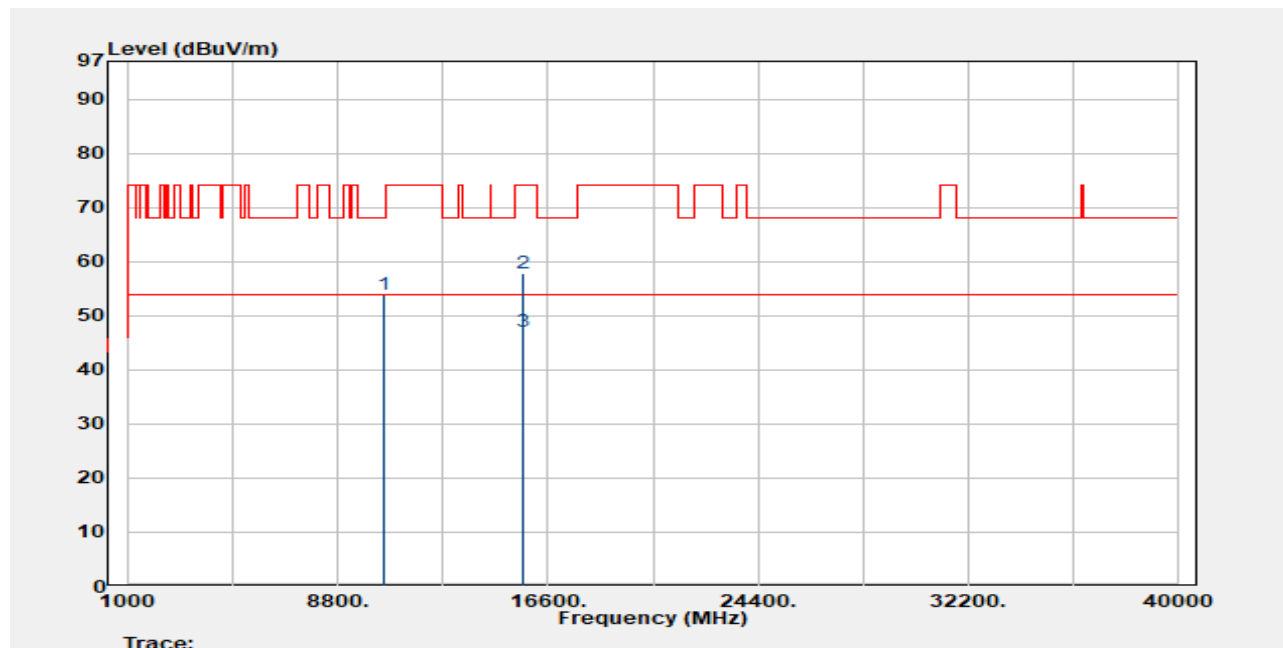
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.000	Peak	33.59	20.21	53.80	68.20	-14.40
15690.000	Peak	34.10	23.67	57.78	74.00	-16.22
15690.000	Average	23.36	23.67	47.03	54.00	-6.97

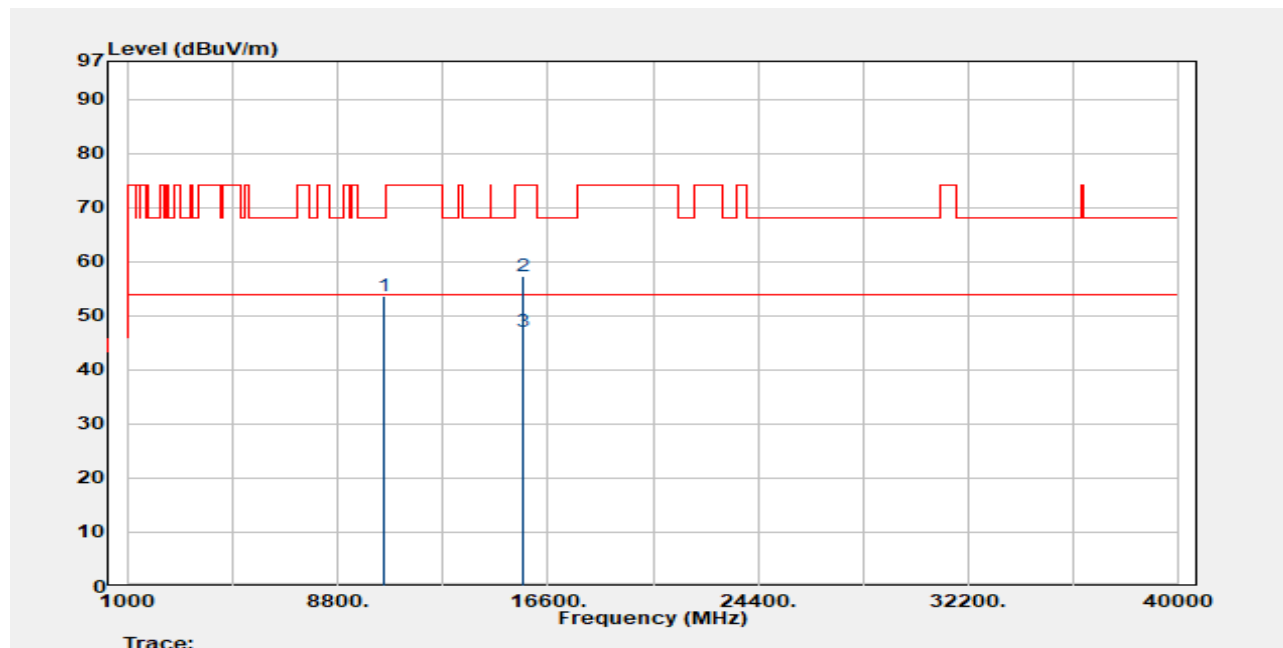
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10460.000	Peak	33.43	20.21	53.65	68.20	-14.55
15690.000	Peak	33.67	23.67	57.34	74.00	-16.66
15690.000	Average	23.31	23.67	46.98	54.00	-7.02

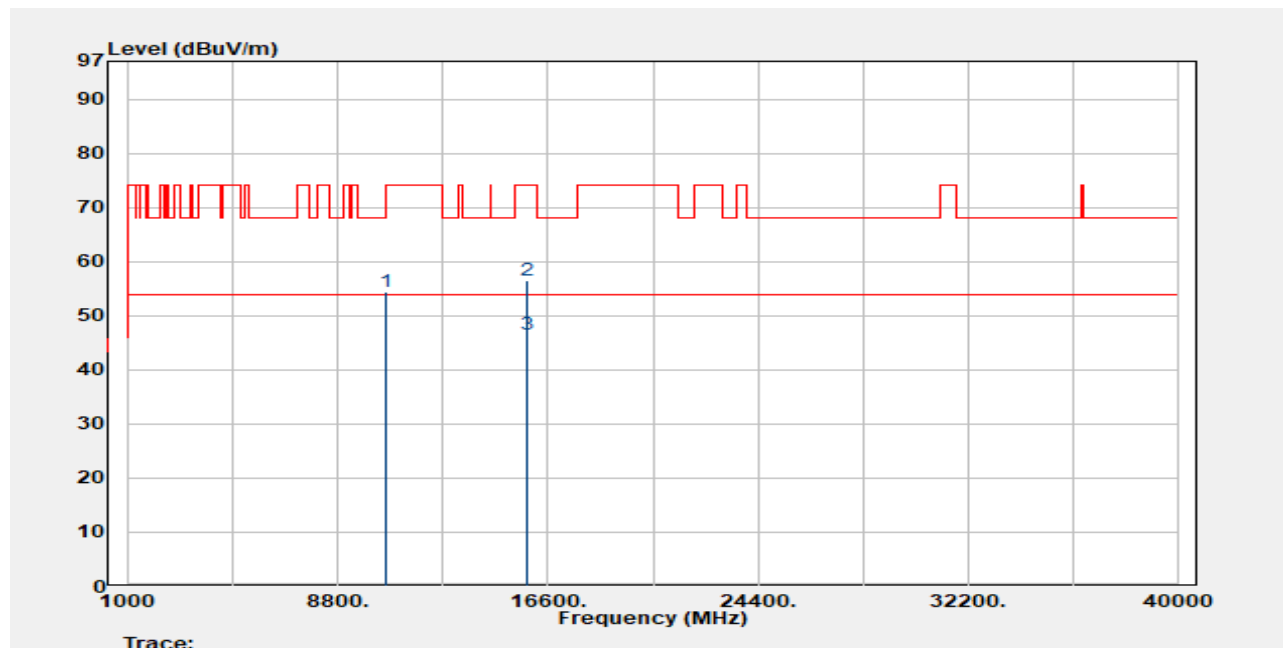
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.000	Peak	33.28	21.18	54.46	68.20	-13.74
15810.000	Peak	33.18	23.26	56.44	74.00	-17.56
15810.000	Average	23.36	23.26	46.62	54.00	-7.38

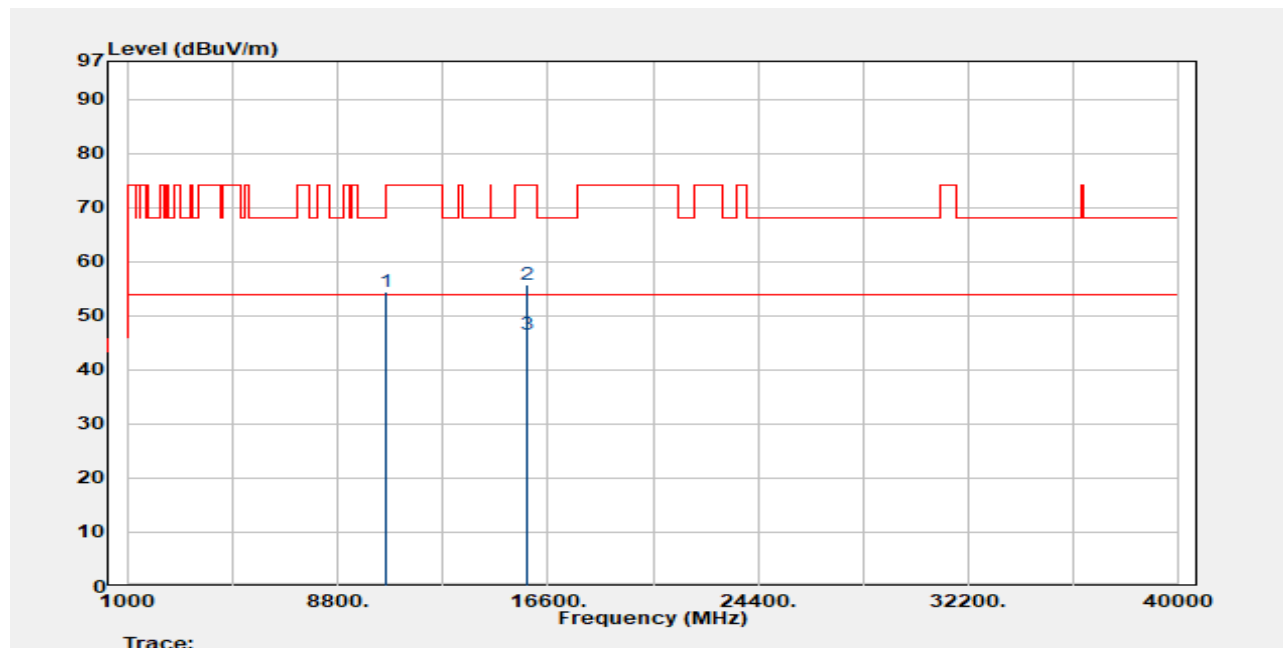
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.000	Peak	33.29	21.18	54.47	68.20	-13.73
15810.000	Peak	32.38	23.26	55.64	74.00	-18.36
15810.000	Average	23.33	23.26	46.59	54.00	-7.41

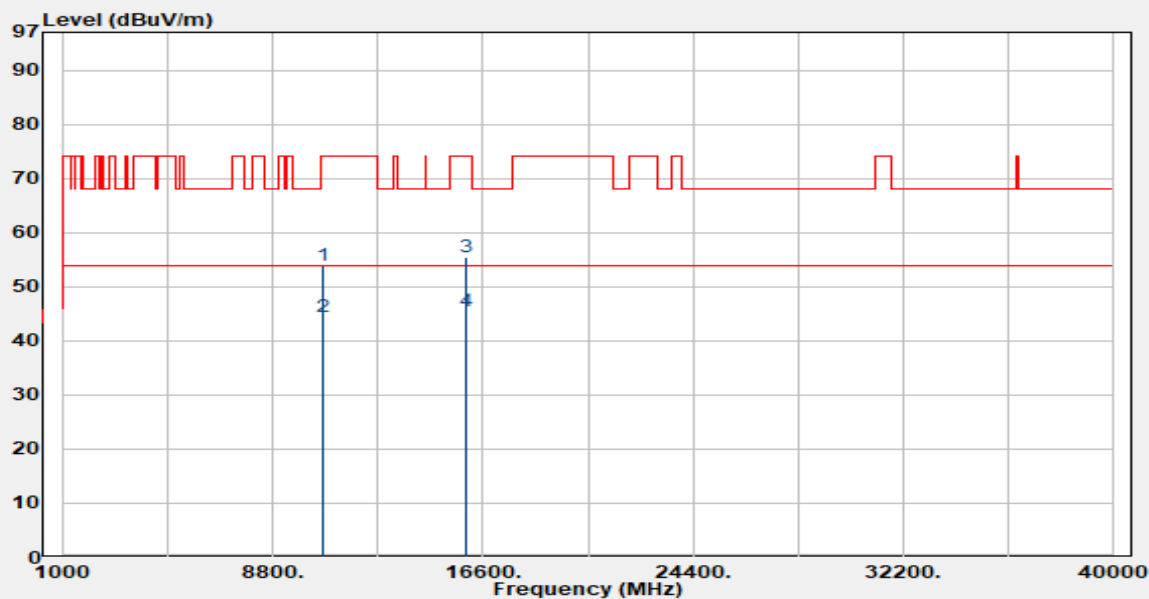
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



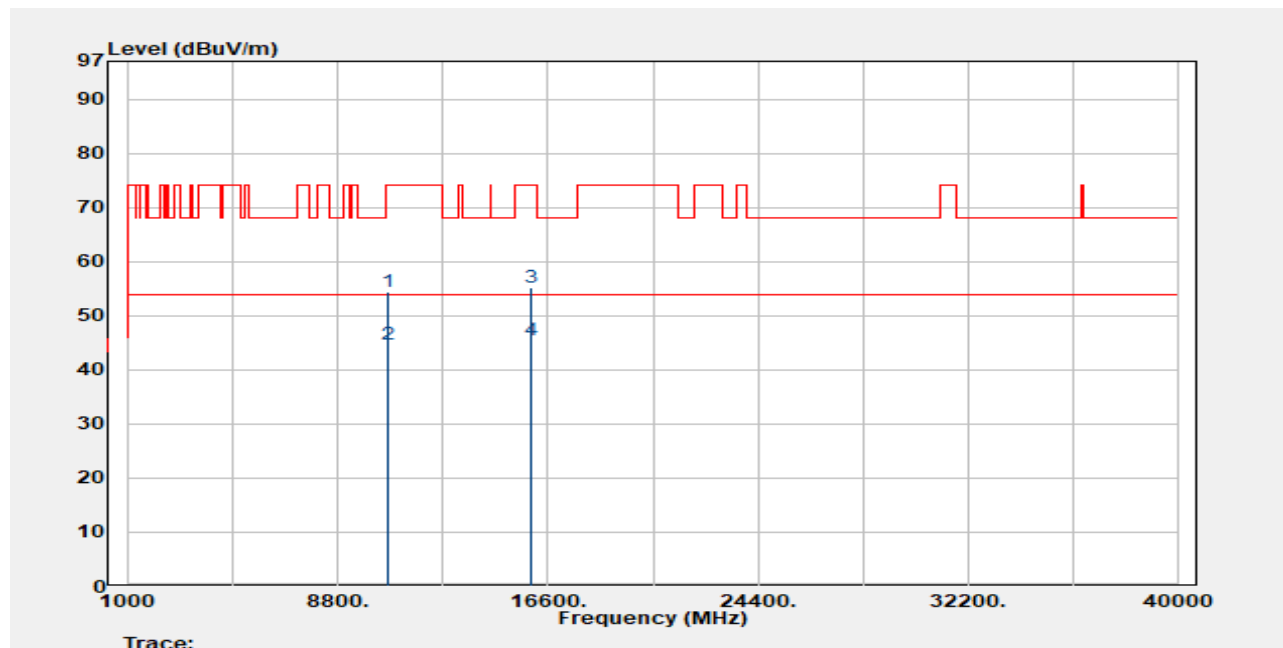
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.000	Peak	33.00	20.88	53.88	74.00	-20.12
10620.000	Average	23.57	20.88	44.45	54.00	-9.55
15930.000	Peak	32.99	22.53	55.52	74.00	-18.48
15930.000	Average	23.06	22.53	45.59	54.00	-8.41

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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.000	Peak	33.64	20.88	54.52	74.00	-19.48
10620.000	Average	23.69	20.88	44.57	54.00	-9.43
15930.000	Peak	32.63	22.53	55.17	74.00	-18.83
15930.000	Average	23.07	22.53	45.60	54.00	-8.40

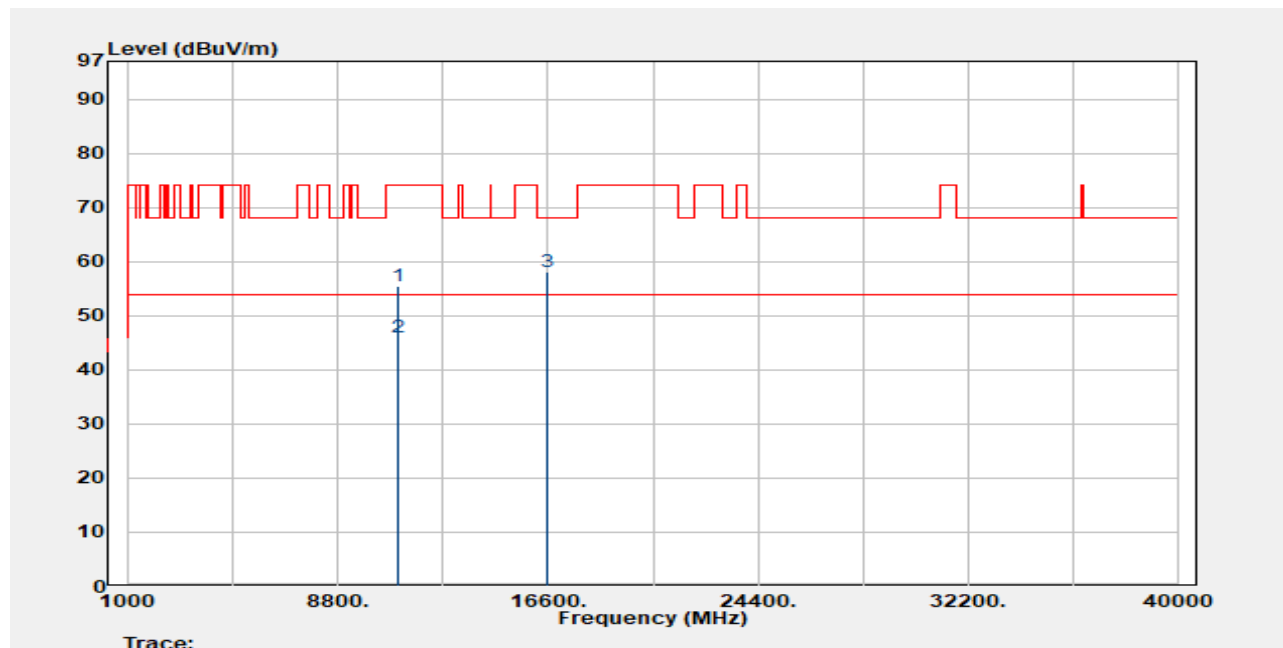
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



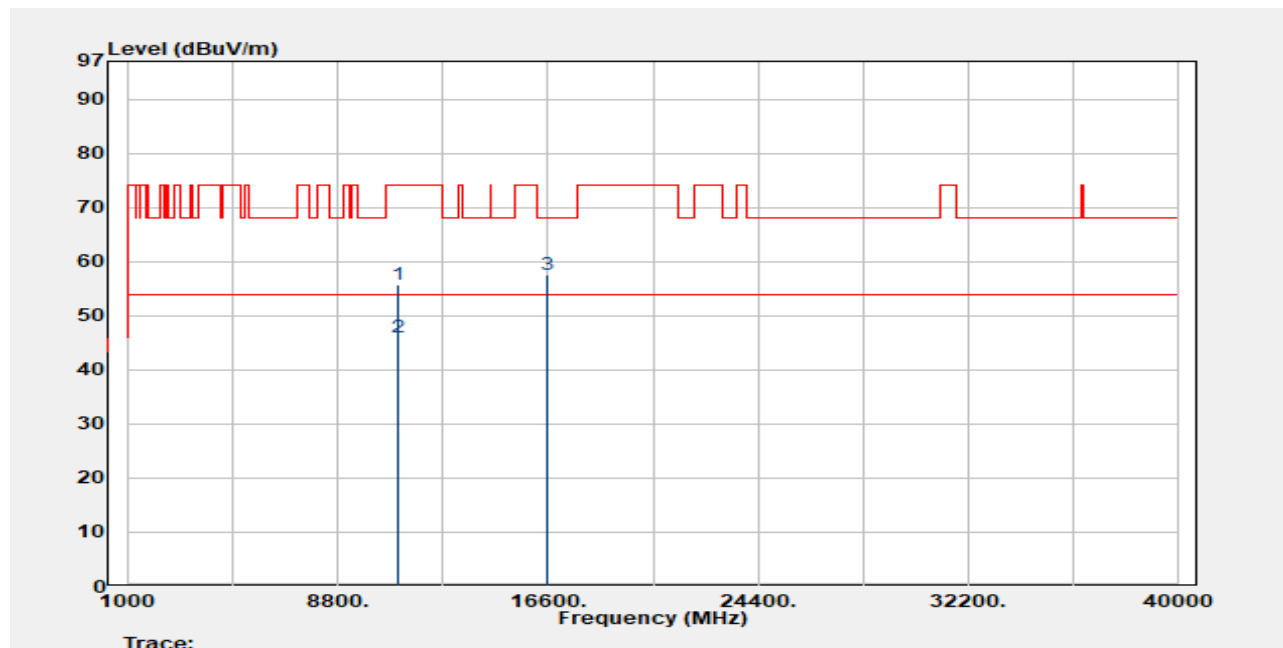
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.000	Peak	32.91	22.50	55.41	74.00	-18.59
11020.000	Average	23.46	22.50	45.96	54.00	-8.04
16530.000	Peak	32.19	25.91	58.10	68.20	-10.10

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Report Number :ER/2021/A0117
Operation Mode :802.11n40
Test Frequency :5510 MHz
Test Mode :Tx CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11020.000	Peak	33.35	22.50	55.85	74.00	-18.15
11020.000	Average	23.42	22.50	45.92	54.00	-8.08
16530.000	Peak	31.63	25.91	57.54	68.20	-10.66

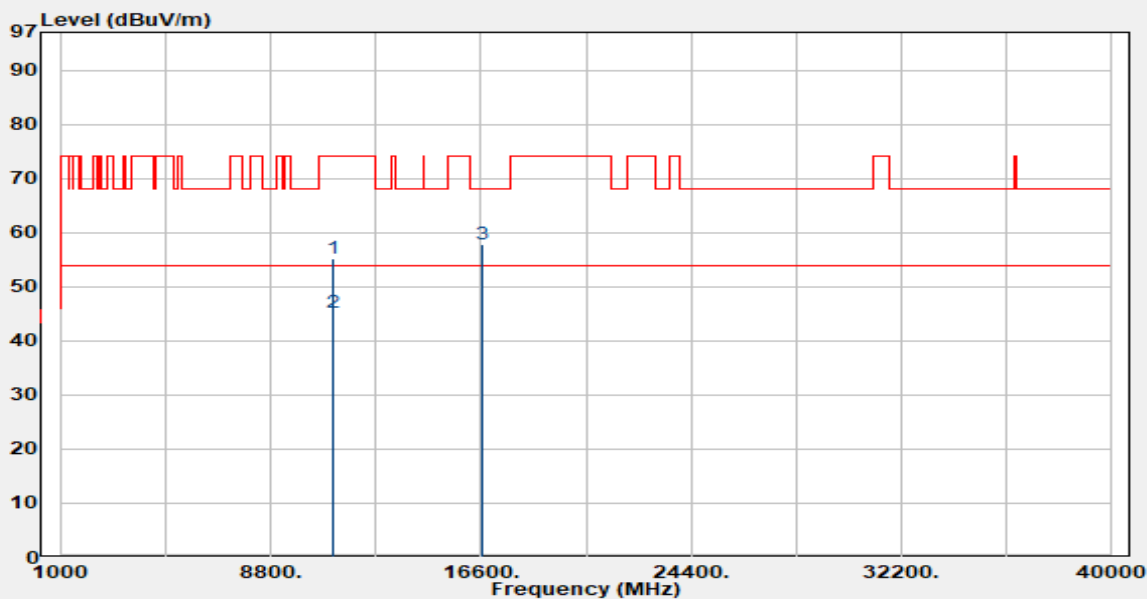
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5550 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.000	Peak	33.64	21.53	55.17	74.00	-18.83
11100.000	Average	23.75	21.53	45.28	54.00	-8.72
16650.000	Peak	31.41	26.29	57.70	68.20	-10.50

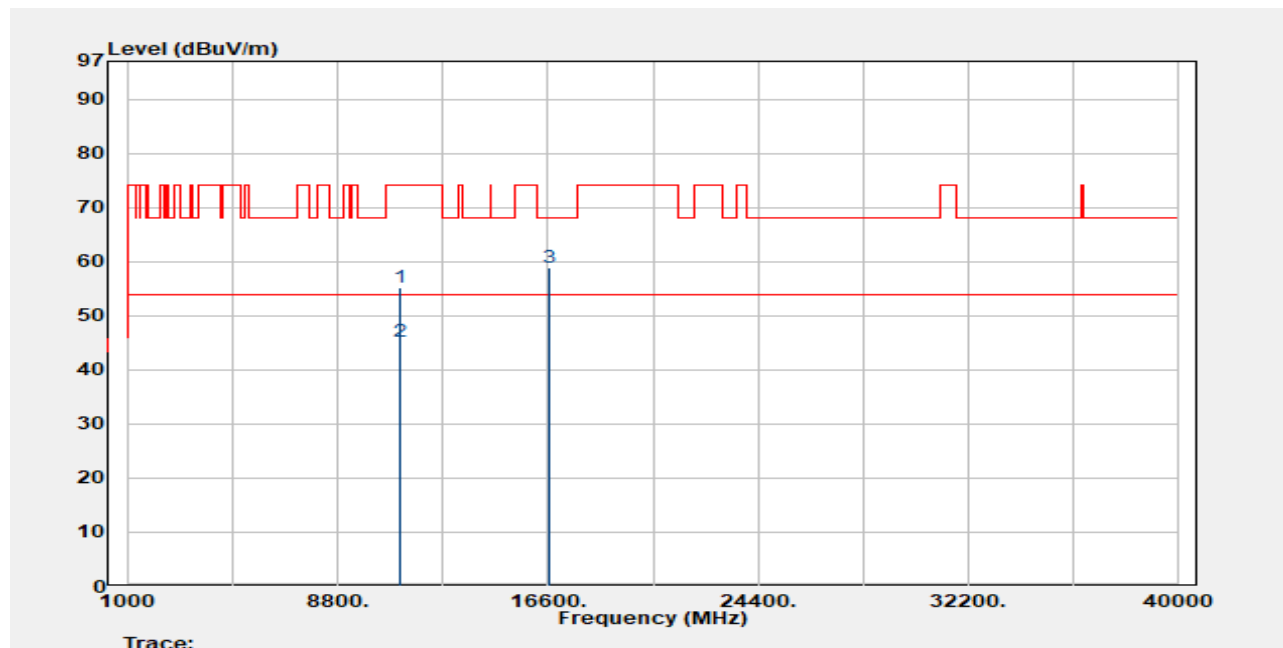
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5550 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11100.000	Peak	33.54	21.53	55.07	74.00	-18.93
11100.000	Average	23.66	21.53	45.19	54.00	-8.81
16650.000	Peak	32.53	26.29	58.83	68.20	-9.37

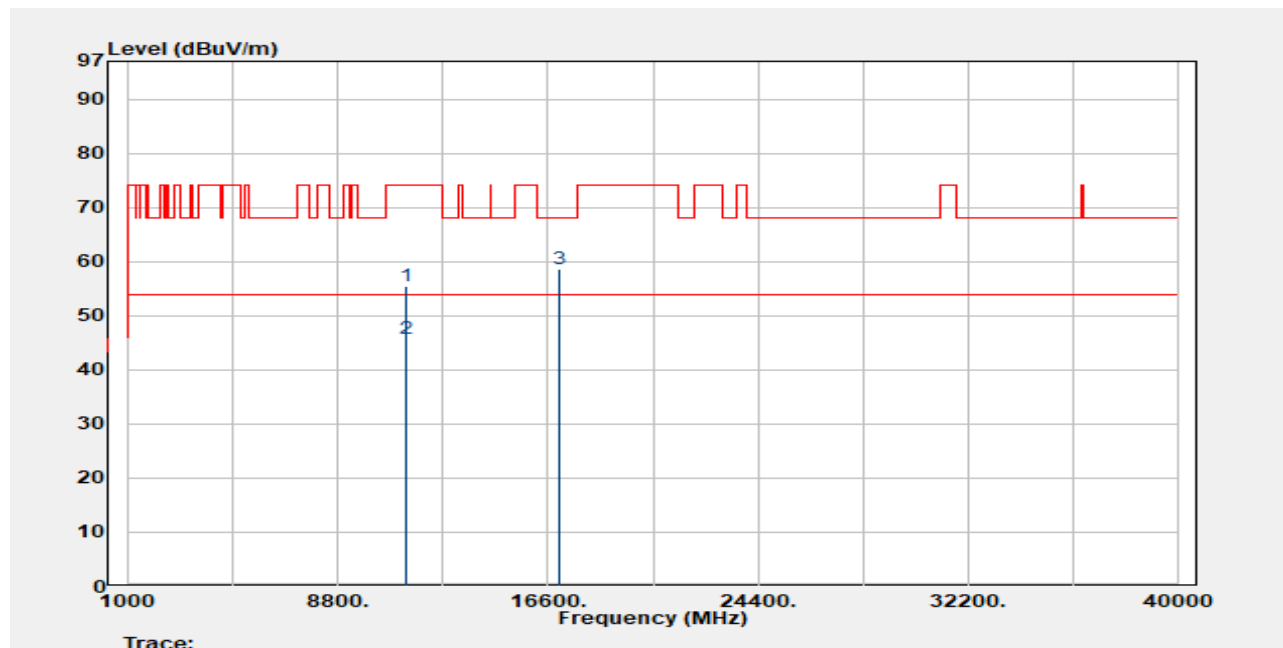
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Report Number :ER/2021/A0117
Operation Mode :802.11n40
Test Frequency :5670 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.000	Peak	33.44	22.10	55.53	74.00	-18.47
11340.000	Average	23.61	22.10	45.71	54.00	-8.29
17010.000	Peak	31.47	27.10	58.56	68.20	-9.64

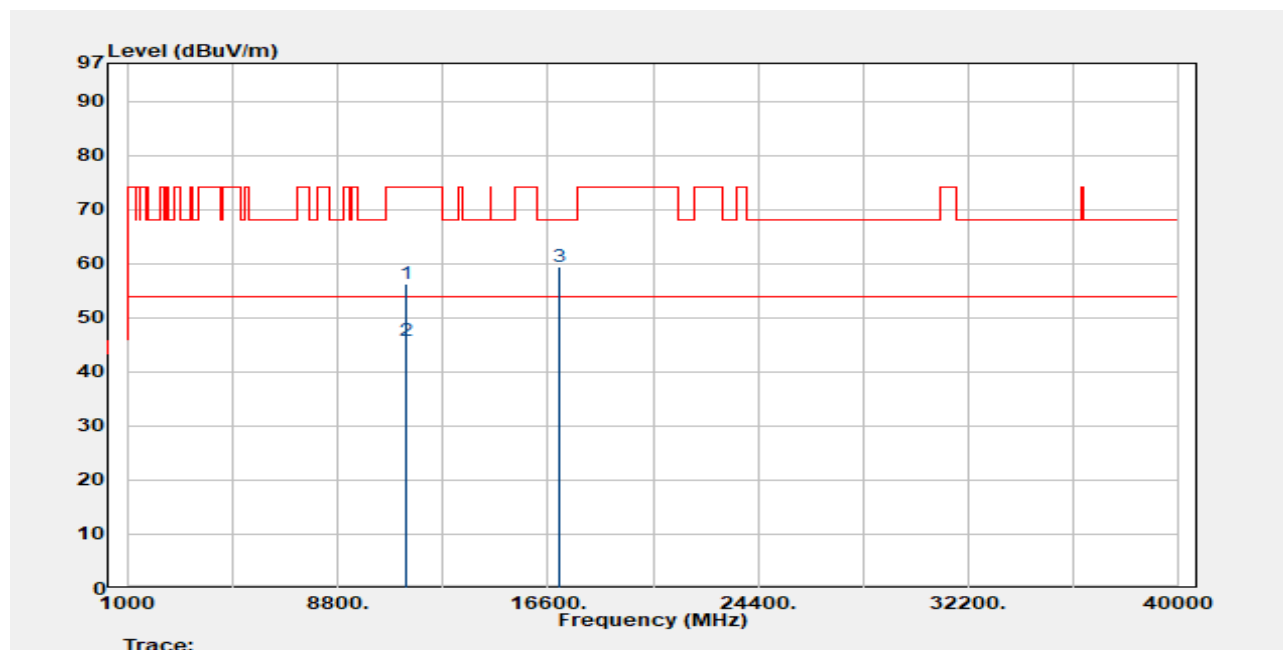
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11340.000	Peak	34.24	22.10	56.33	74.00	-17.67
11340.000	Average	23.58	22.10	45.68	54.00	-8.32
17010.000	Peak	32.31	27.10	59.40	68.20	-8.80

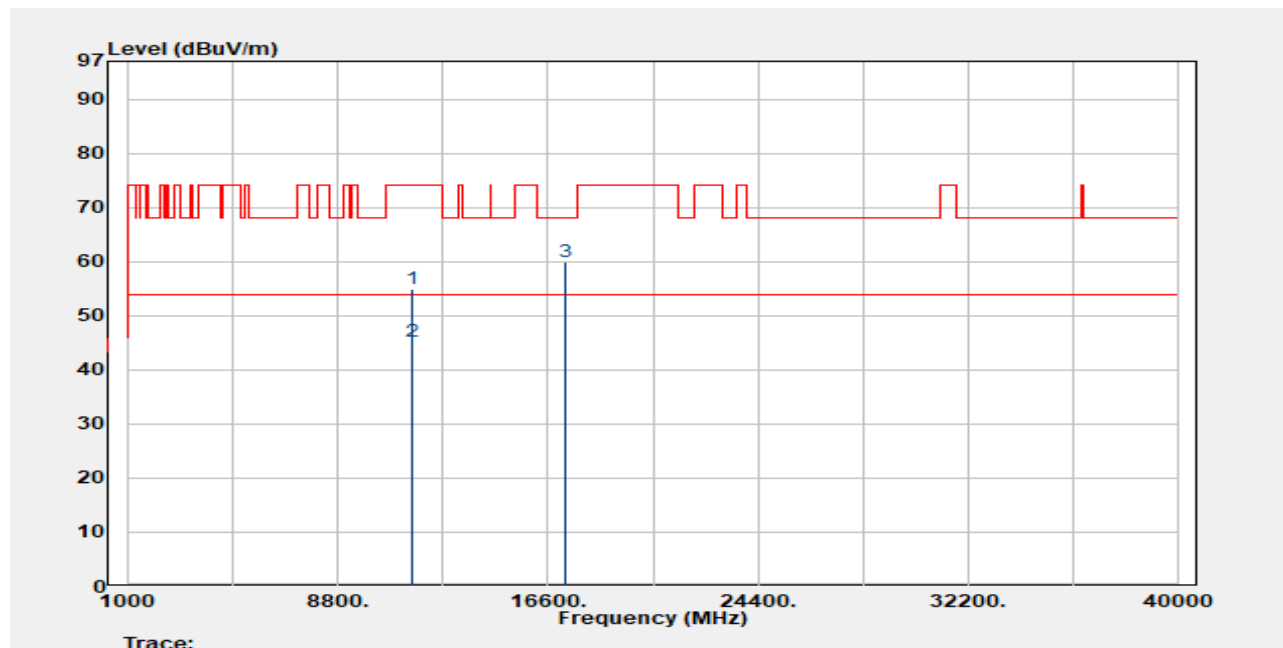
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.000	Peak	32.75	22.17	54.92	74.00	-19.08
11510.000	Average	23.09	22.17	45.26	54.00	-8.74
17265.000	Peak	31.28	28.72	60.00	68.20	-8.20

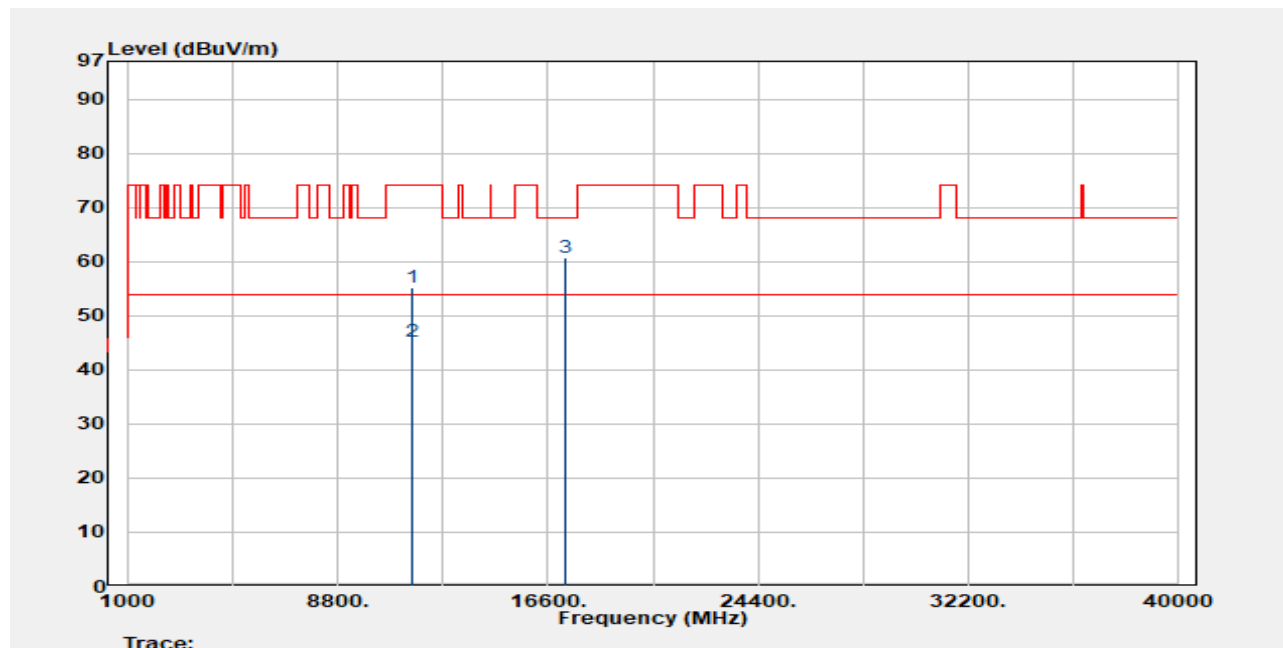
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.000	Peak	32.95	22.17	55.11	74.00	-18.89
11510.000	Average	22.96	22.17	45.13	54.00	-8.87
17265.000	Peak	31.91	28.72	60.64	68.20	-7.56

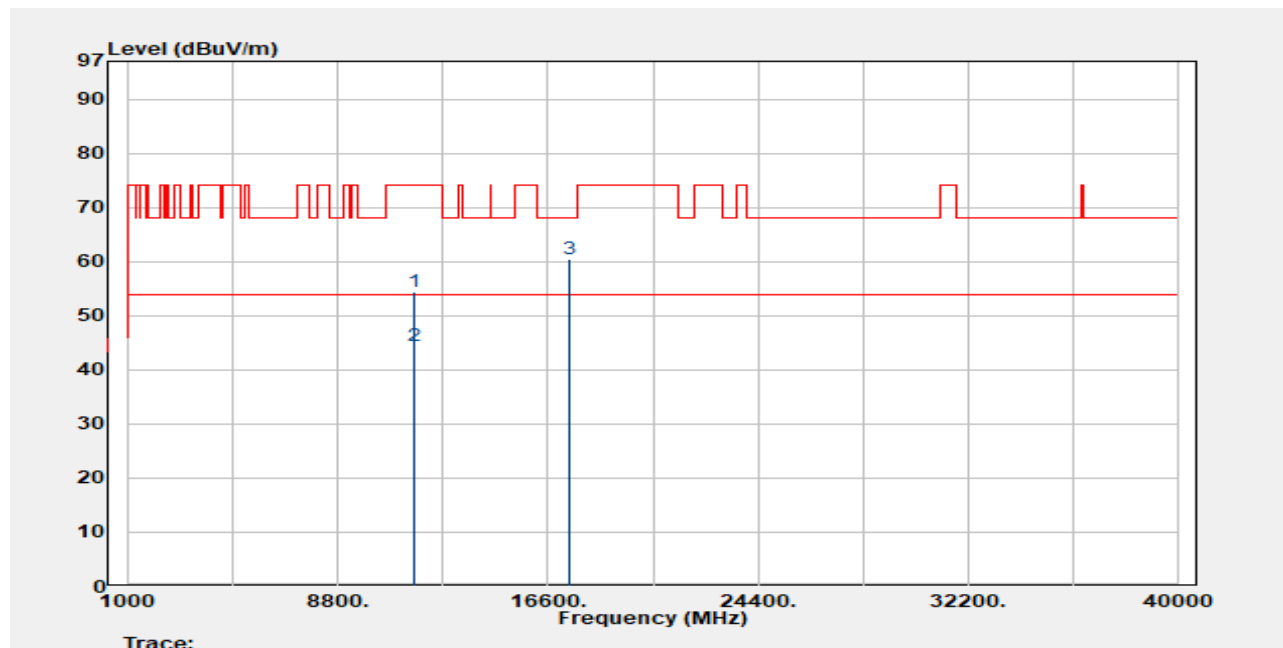
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.000	Peak	33.60	20.94	54.54	74.00	-19.46
11590.000	Average	23.59	20.94	44.53	54.00	-9.47
17385.000	Peak	31.15	29.30	60.45	68.20	-7.75

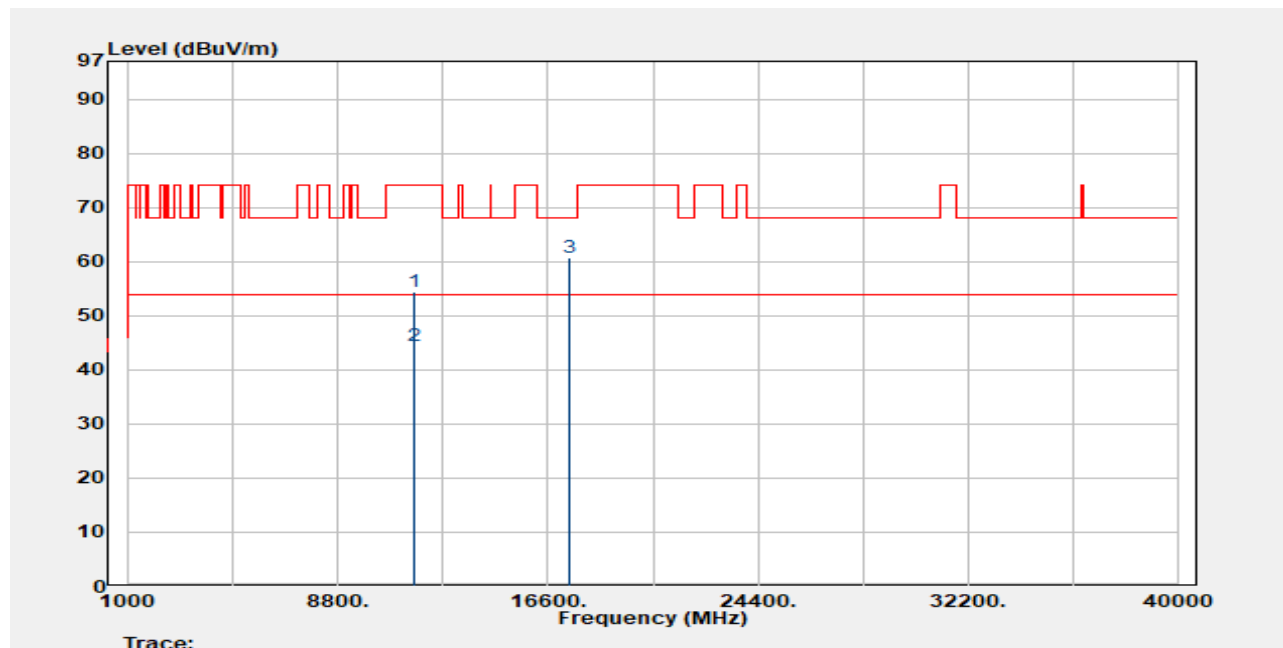
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Report Number :ER/2021/A0117
Operation Mode :802.11n40
Test Frequency :5795 MHz
Test Mode :Tx CH High
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-22
Temp./Humi. :19.8/64
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11590.000	Peak	33.41	20.94	54.35	74.00	-19.65
11590.000	Average	23.36	20.94	44.30	54.00	-9.70
17385.000	Peak	31.33	29.30	60.63	68.20	-7.57

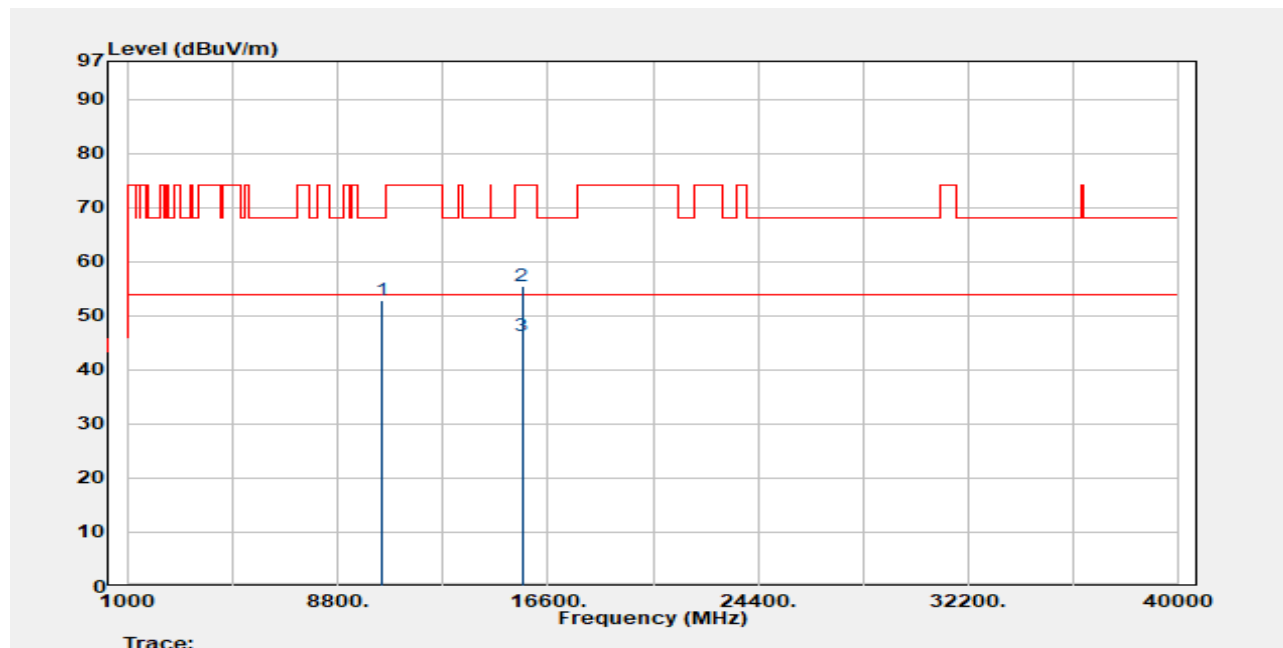
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.000	Peak	32.80	20.13	52.94	68.20	-15.26
15630.000	Peak	32.22	23.32	55.54	74.00	-18.46
15630.000	Average	22.89	23.32	46.21	54.00	-7.79

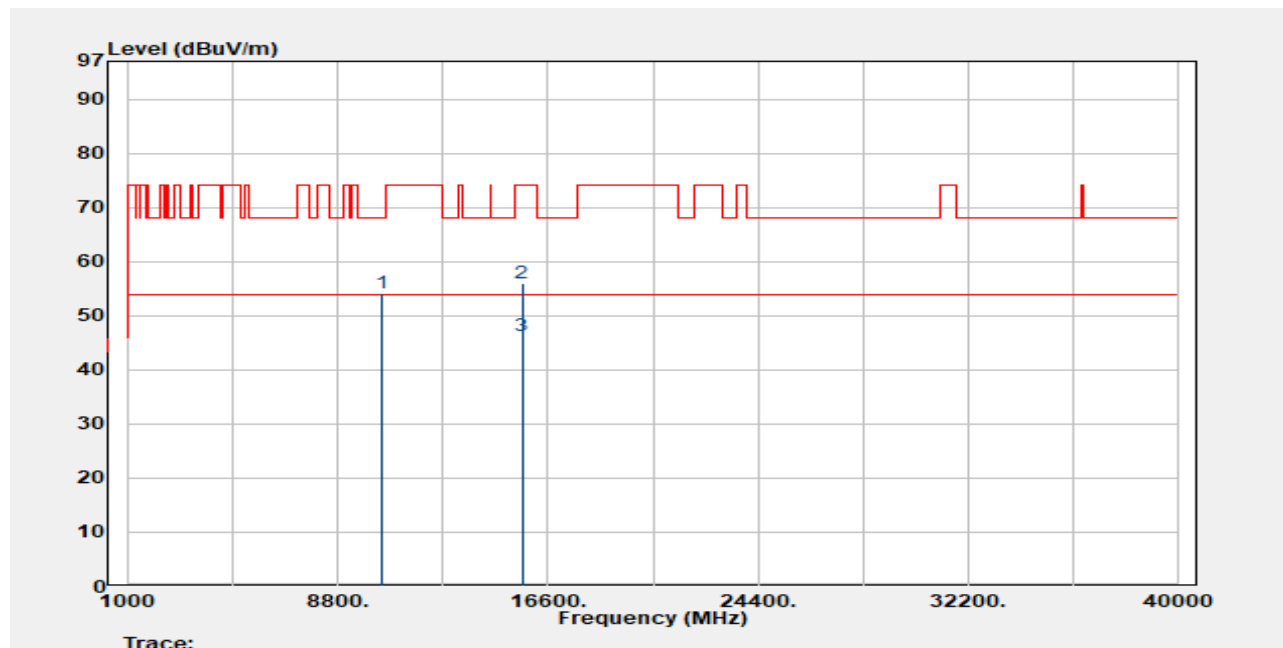
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10420.000	Peak	33.92	20.13	54.06	68.20	-14.14
15630.000	Peak	32.70	23.32	56.02	74.00	-17.98
15630.000	Average	22.88	23.32	46.20	54.00	-7.80

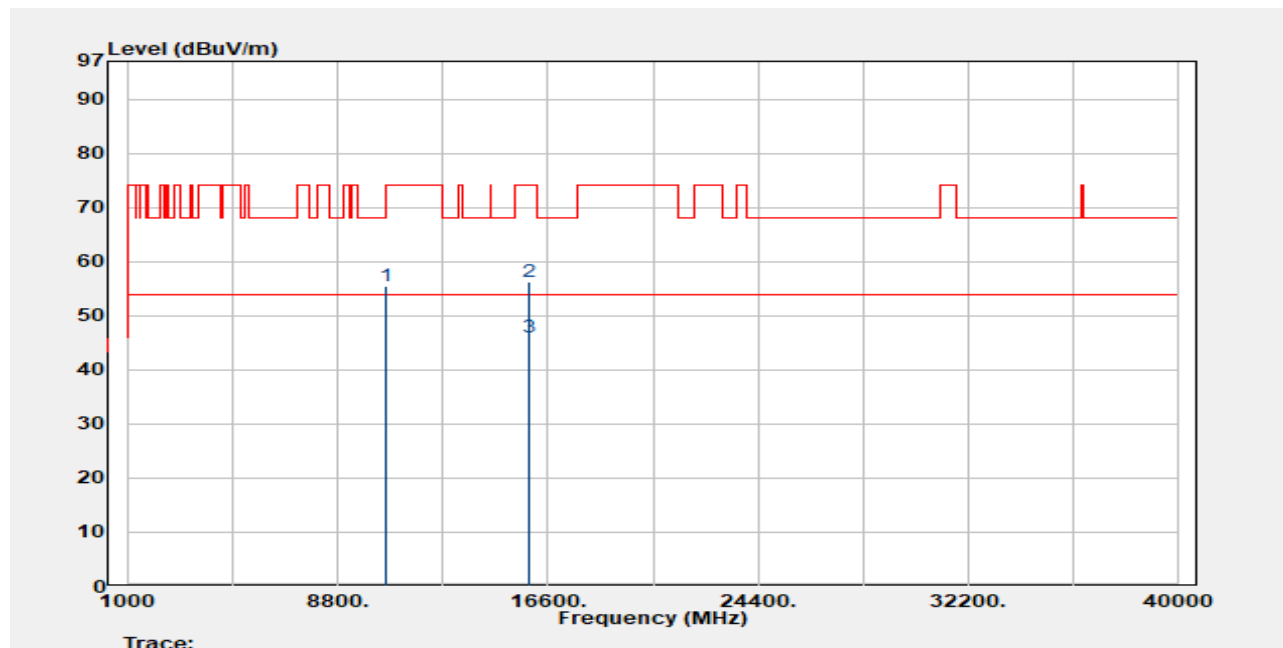
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.000	Peak	34.61	20.78	55.39	68.20	-12.81
15870.000	Peak	33.38	22.87	56.24	74.00	-17.76
15870.000	Average	23.01	22.87	45.88	54.00	-8.12

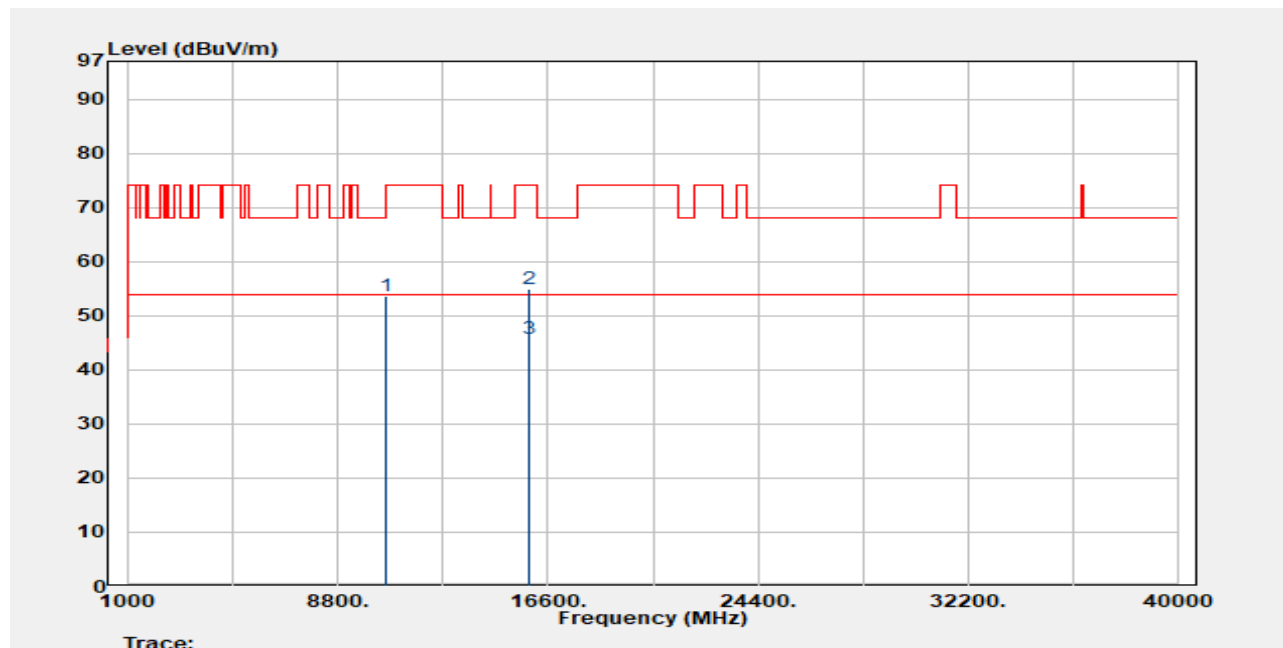
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.000	Peak	32.93	20.78	53.71	68.20	-14.49
15870.000	Peak	32.13	22.87	55.00	74.00	-19.00
15870.000	Average	22.98	22.87	45.85	54.00	-8.15

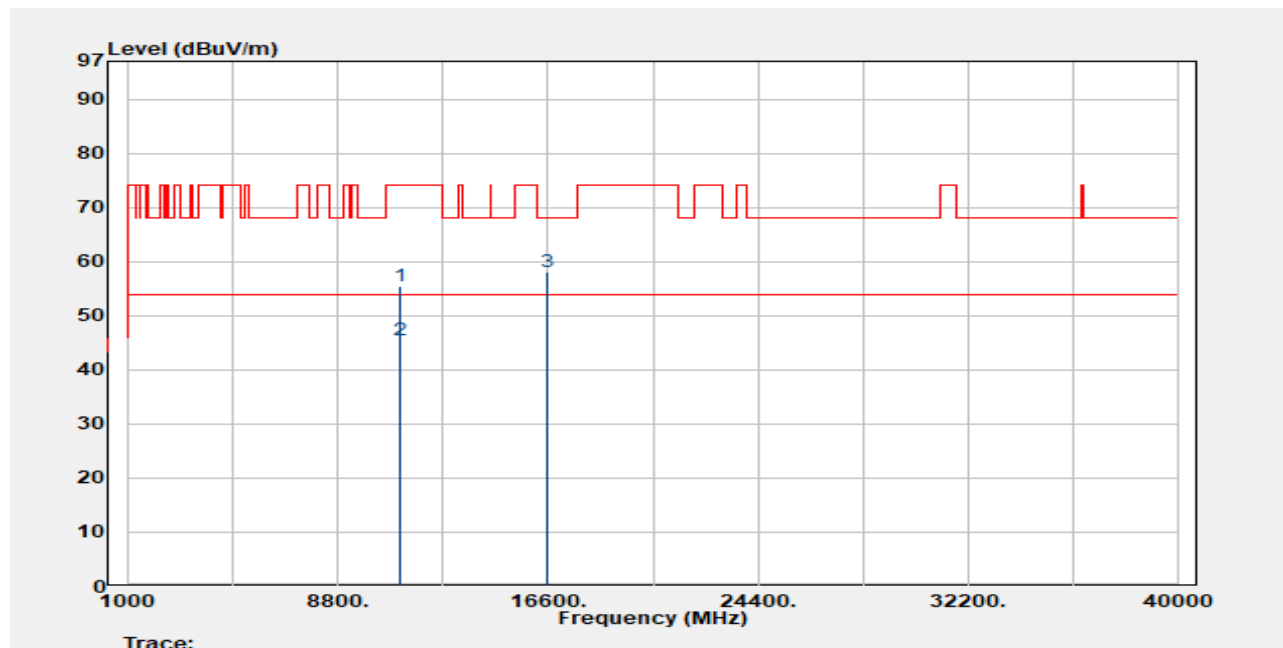
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.000	Peak	33.33	22.16	55.48	74.00	-18.52
11060.000	Average	23.39	22.16	45.55	54.00	-8.45
16590.000	Peak	32.33	25.75	58.08	68.20	-10.12

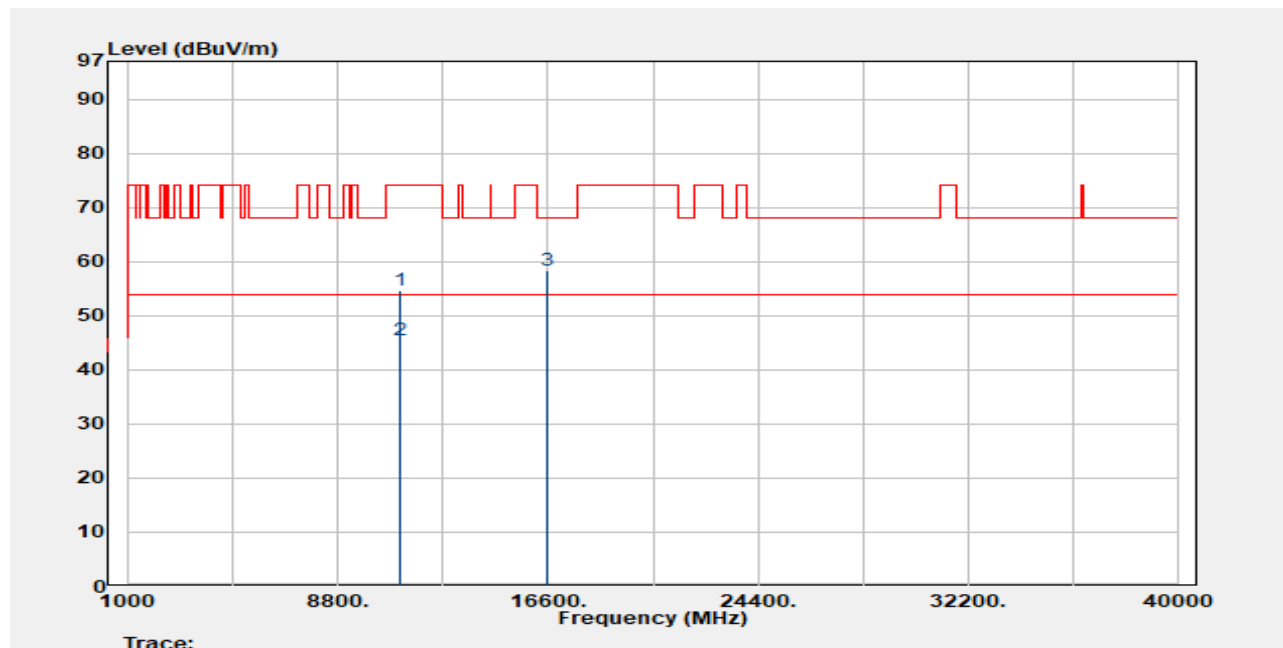
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



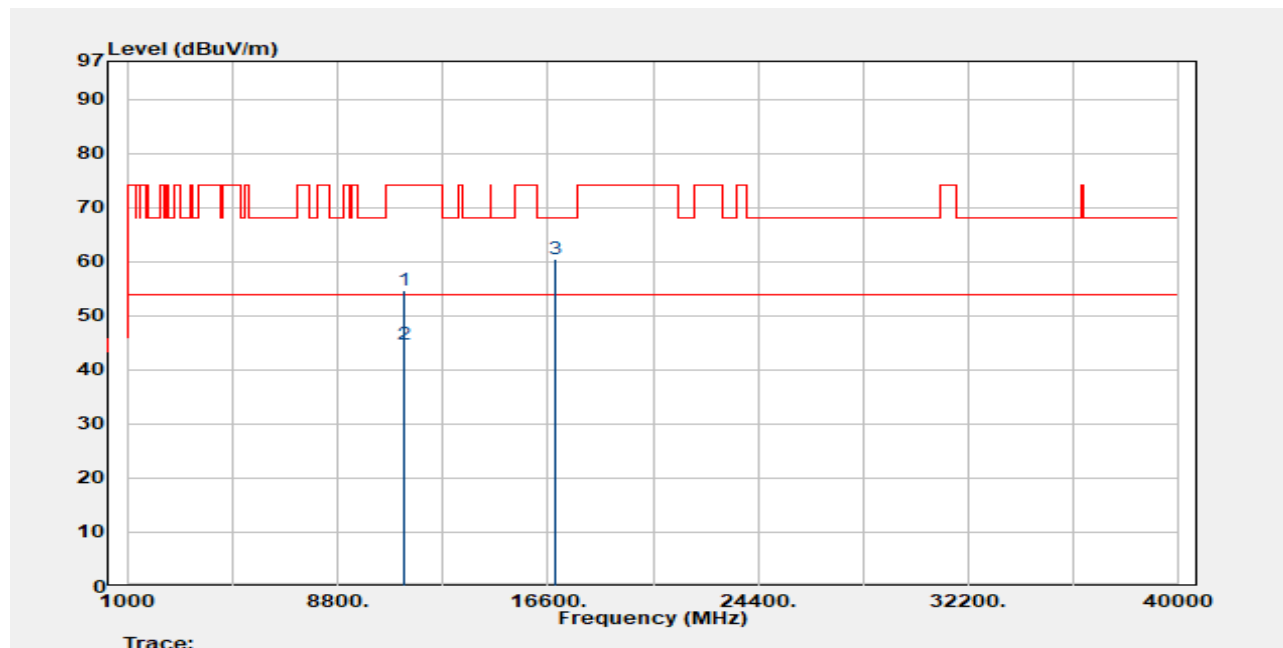
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11060.000	Peak	32.42	22.16	54.57	74.00	-19.43
11060.000	Average	23.22	22.16	45.38	54.00	-8.62
16590.000	Peak	32.54	25.75	58.29	68.20	-9.91

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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.000	Peak	33.21	21.45	54.66	74.00	-19.34
11220.000	Average	23.29	21.45	44.74	54.00	-9.26
16830.000	Peak	32.73	27.84	60.57	68.20	-7.63

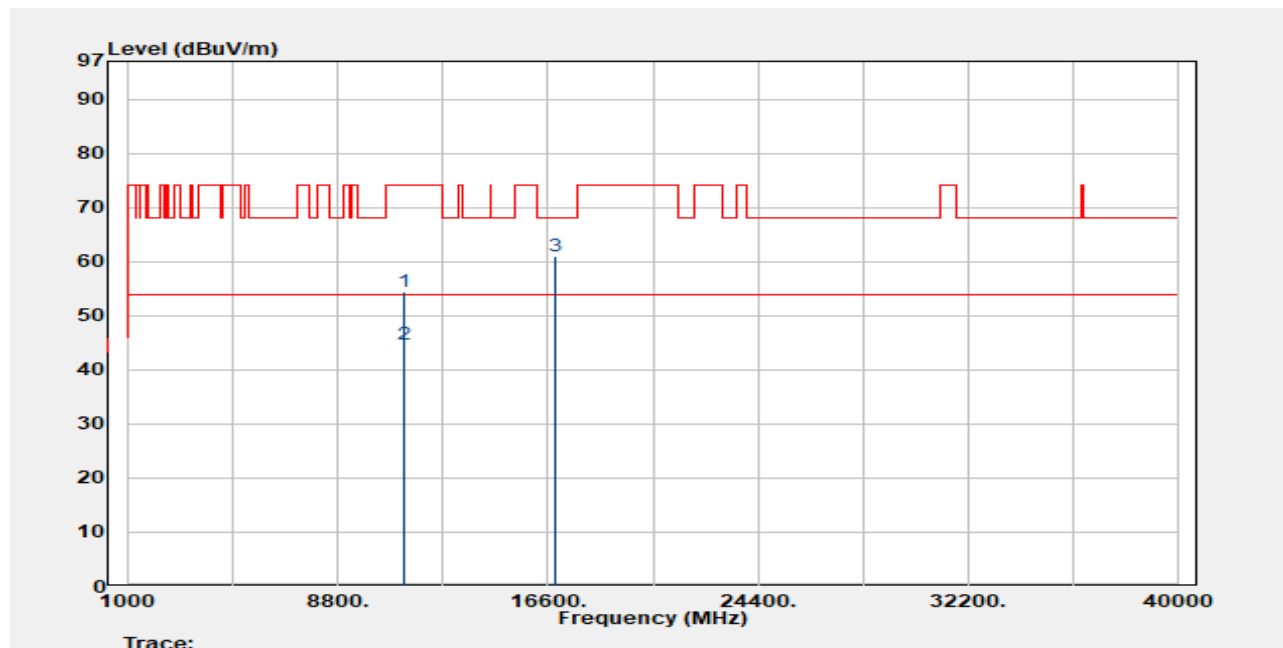
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11220.000	Peak	33.02	21.45	54.47	74.00	-19.53
11220.000	Average	23.33	21.45	44.78	54.00	-9.22
16830.000	Peak	33.22	27.84	61.07	68.20	-7.13

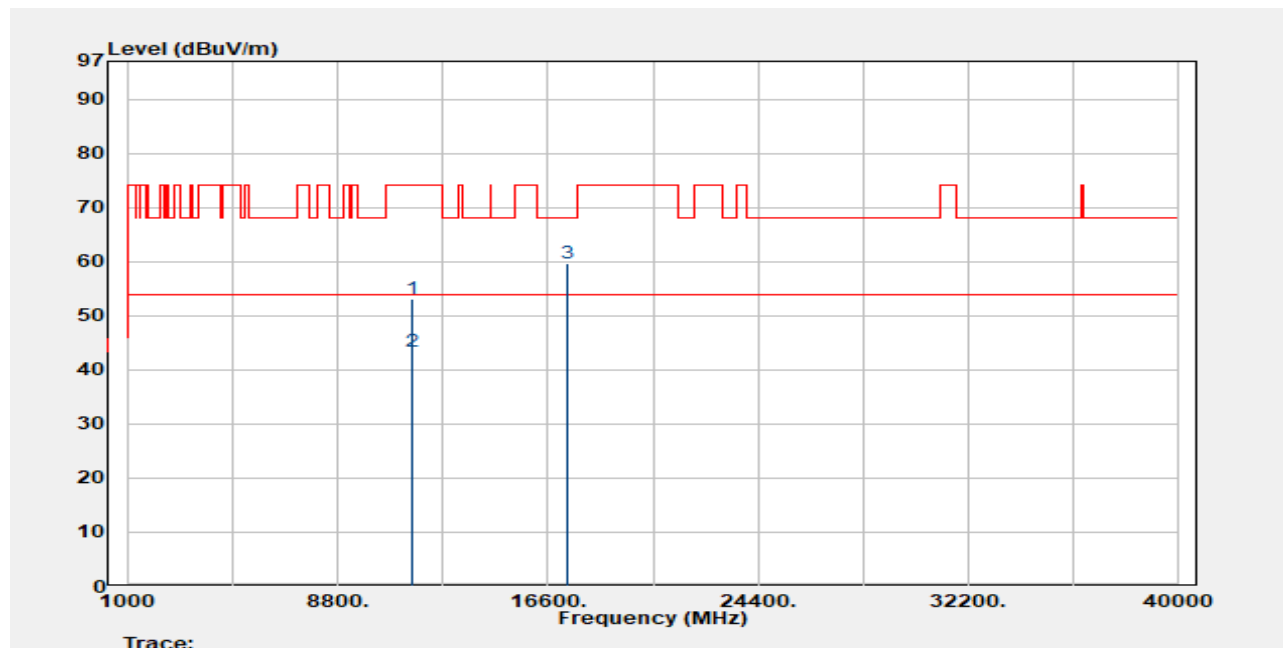
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.000	Peak	32.81	20.30	53.11	74.00	-20.89
11550.000	Average	23.19	20.30	43.49	54.00	-10.51
17325.000	Peak	31.50	28.05	59.55	68.20	-8.65

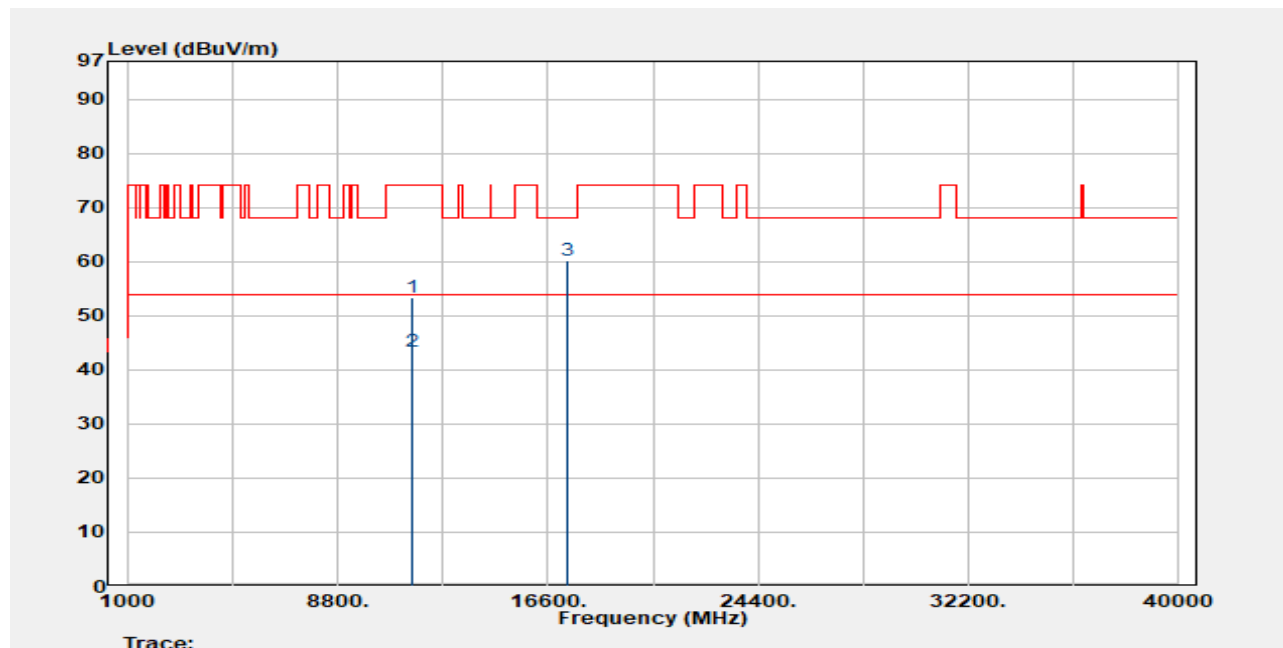
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-22
 Temp./Humi. :19.8/64
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.000	Peak	32.99	20.30	53.29	74.00	-20.71
11550.000	Average	22.94	20.30	43.24	54.00	-10.76
17325.000	Peak	32.28	28.05	60.33	68.20	-7.87

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11.6.1.2 FM4500F connect FM-TUBE antenna

Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5220 MHz

Test Mode :Tx CH Mid

EUT Pol :E2 Plane

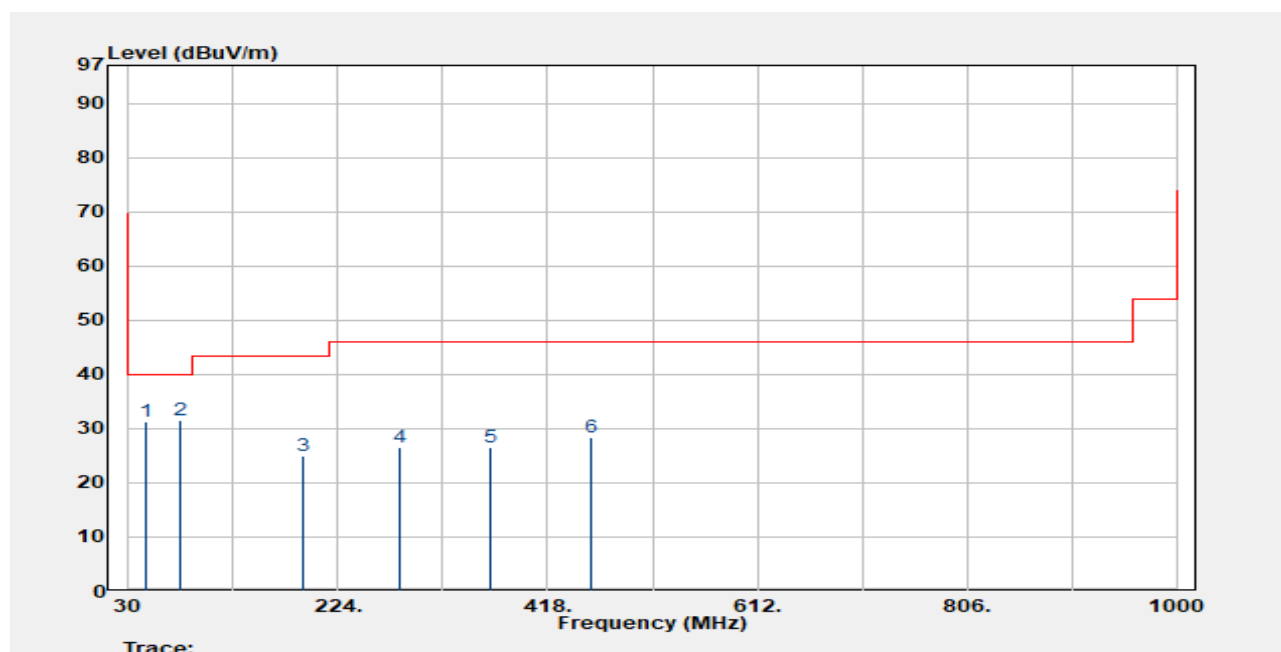
Test Site :SAC 3

Test Date :2022-02-24

Temp./Humi. :19.3/58

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
46.167	Peak	39.19	-8.01	31.18	40.00	-8.82
78.500	Peak	43.19	-11.68	31.51	40.00	-8.49
191.667	Peak	34.40	-9.42	24.97	43.50	-18.53
280.583	Peak	32.73	-6.23	26.50	46.00	-19.50
364.650	Peak	30.98	-4.50	26.48	46.00	-19.52
458.417	Peak	30.84	-2.35	28.49	46.00	-17.51

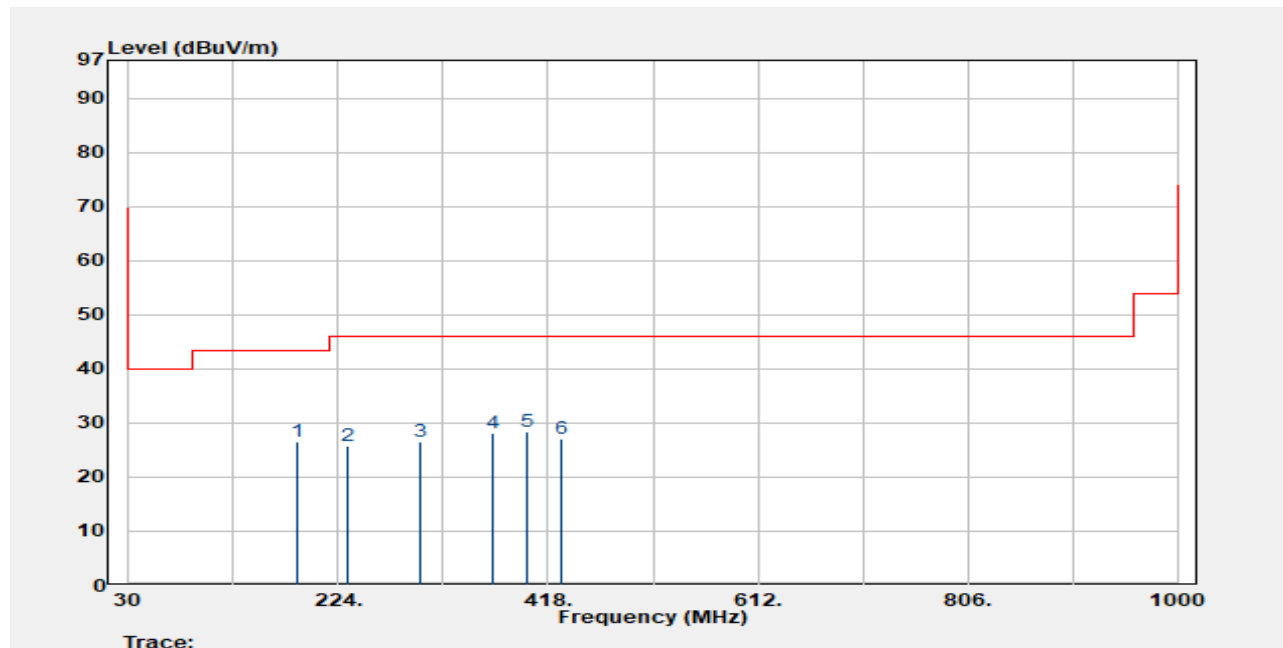
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5220 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
185.200	Peak	35.70	-9.11	26.59	43.50	-16.91
232.083	Peak	34.38	-8.65	25.73	46.00	-20.27
299.983	Peak	32.34	-5.90	26.45	46.00	-19.55
366.267	Peak	32.47	-4.47	28.00	46.00	-18.00
398.600	Peak	32.36	-3.92	28.45	46.00	-17.55
430.933	Peak	30.50	-3.55	26.96	46.00	-19.04

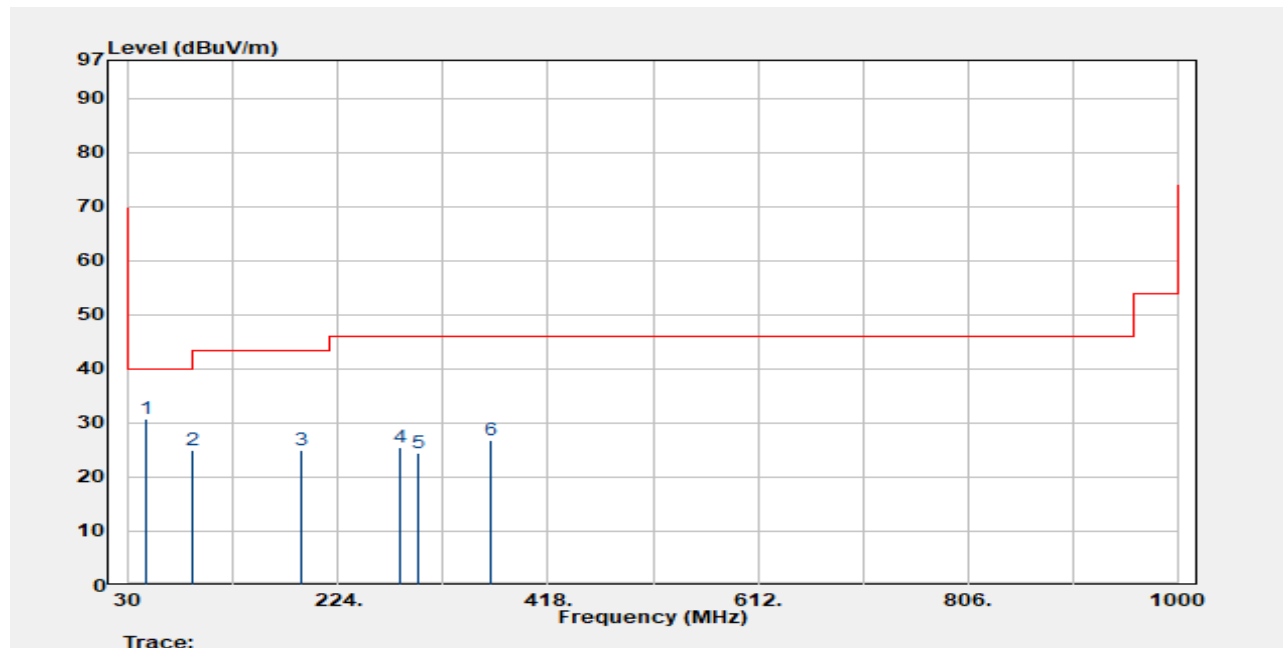
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5300 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
46.167	Peak	38.73	-8.01	30.72	40.00	-9.28
89.817	Peak	38.92	-13.94	24.98	43.50	-18.52
190.050	Peak	34.21	-9.35	24.86	43.50	-18.64
280.583	Peak	31.63	-6.23	25.40	46.00	-20.60
298.367	Peak	30.45	-5.90	24.55	46.00	-21.45
364.650	Peak	31.40	-4.50	26.91	46.00	-19.09

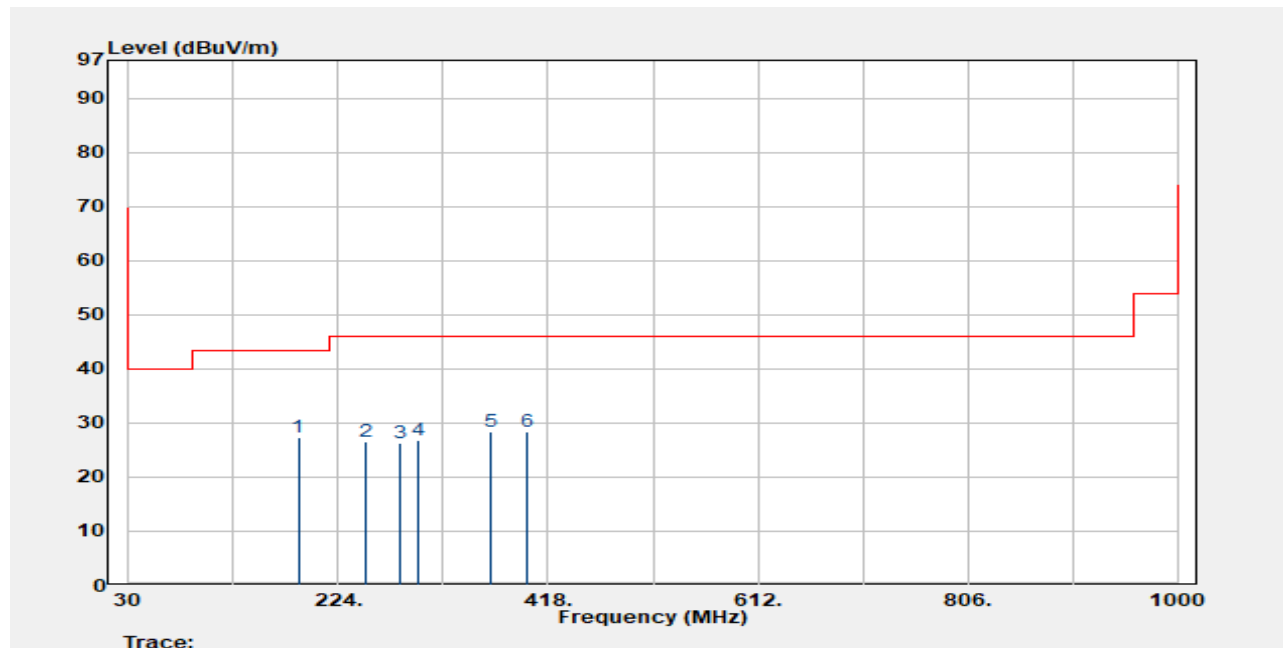
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-24
 Temp./Humi. :19.3/58
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
186.817	Peak	36.49	-9.17	27.32	43.50	-16.18
249.867	Peak	34.43	-7.79	26.65	46.00	-19.35
280.583	Peak	32.48	-6.23	26.25	46.00	-19.75
298.367	Peak	32.72	-5.90	26.82	46.00	-19.18
364.650	Peak	32.98	-4.50	28.48	46.00	-17.52
398.600	Peak	32.31	-3.92	28.39	46.00	-17.61

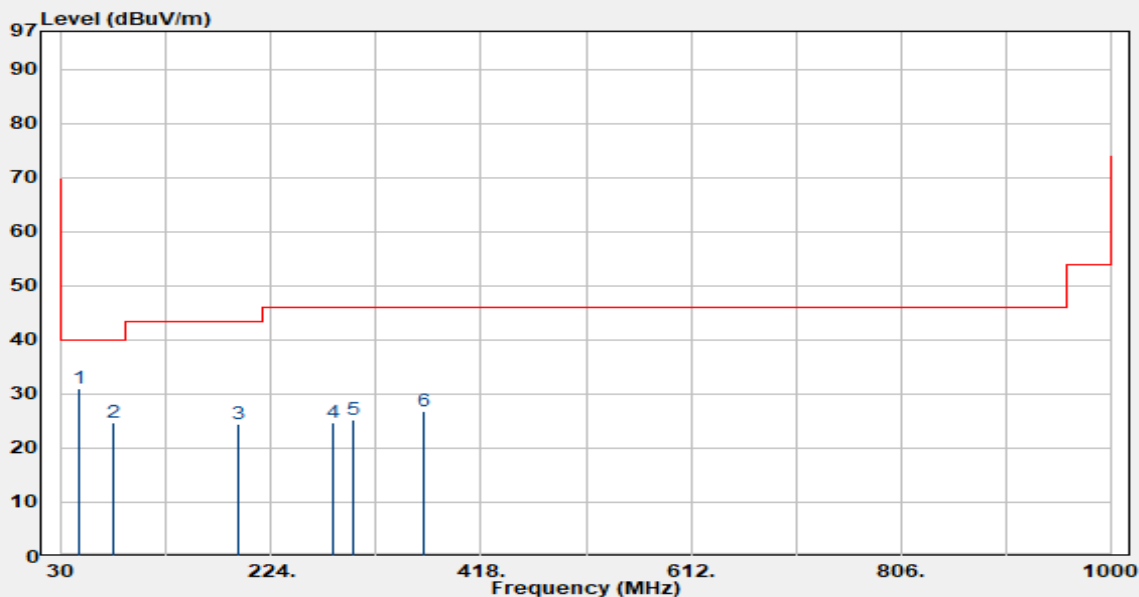
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
46.167	Peak	38.98	-8.01	30.97	40.00	-9.03
78.500	Peak	36.43	-11.68	24.75	40.00	-15.25
193.283	Peak	33.86	-9.50	24.36	43.50	-19.14
280.583	Peak	30.82	-6.23	24.59	46.00	-21.41
299.983	Peak	31.07	-5.90	25.17	46.00	-20.83
364.650	Peak	31.31	-4.50	26.81	46.00	-19.19

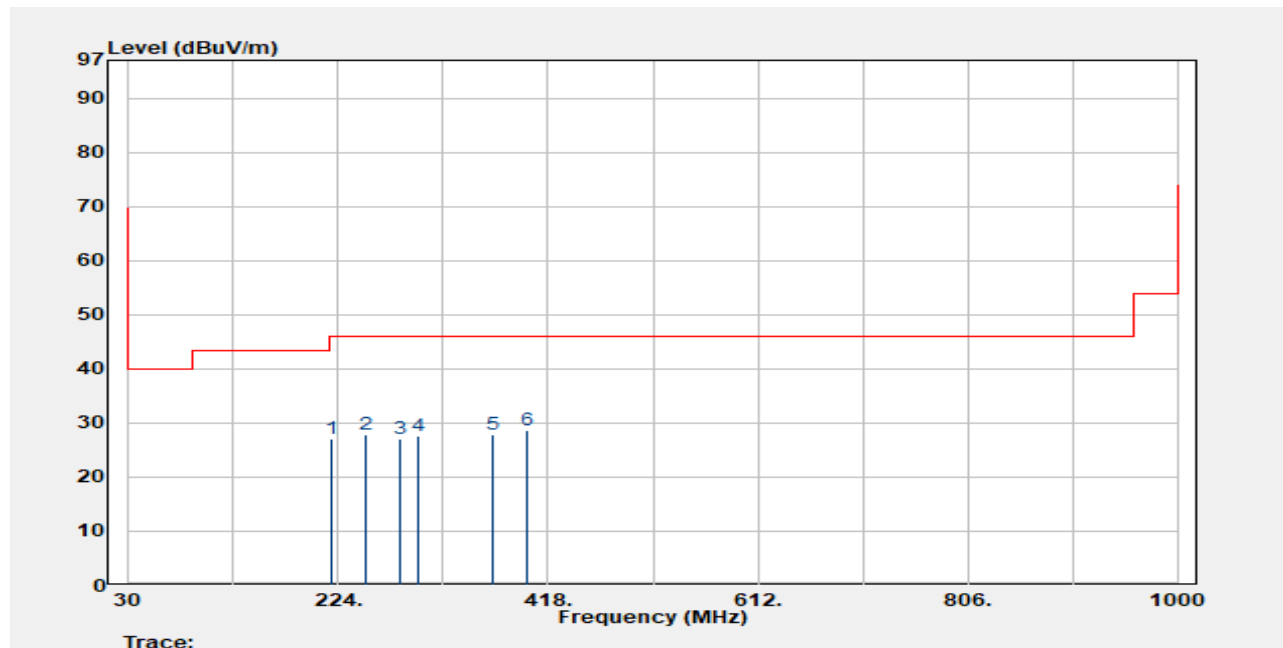
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
217.533	Peak	36.22	-9.10	27.12	46.00	-18.88
249.867	Peak	35.59	-7.79	27.81	46.00	-18.19
280.583	Peak	33.22	-6.23	27.00	46.00	-19.00
298.367	Peak	33.45	-5.90	27.55	46.00	-18.45
366.267	Peak	32.45	-4.47	27.98	46.00	-18.02
398.600	Peak	32.53	-3.92	28.62	46.00	-17.38

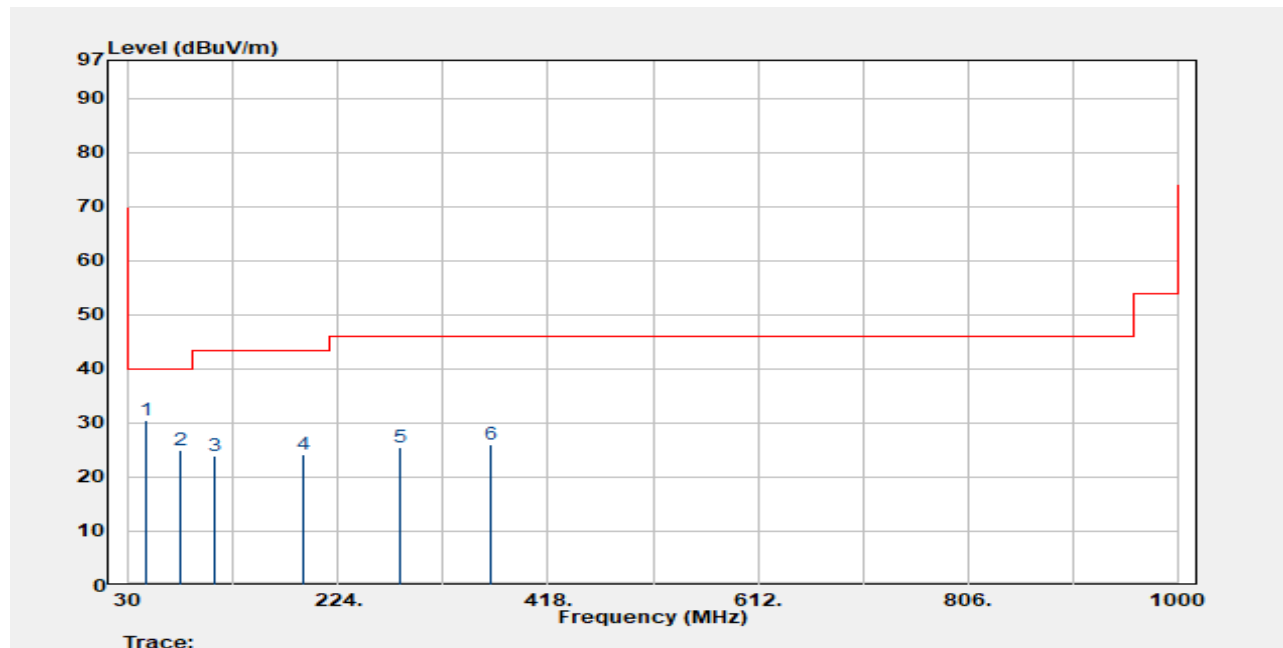
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5785 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-24
Temp./Humi. :19.3/58
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
46.167	Peak	38.48	-8.01	30.47	40.00	-9.53
78.500	Peak	36.65	-11.68	24.97	40.00	-15.03
109.217	Peak	34.74	-10.82	23.93	43.50	-19.57
191.667	Peak	33.60	-9.42	24.18	43.50	-19.32
280.583	Peak	31.78	-6.23	25.55	46.00	-20.45
364.650	Peak	30.55	-4.50	26.06	46.00	-19.94

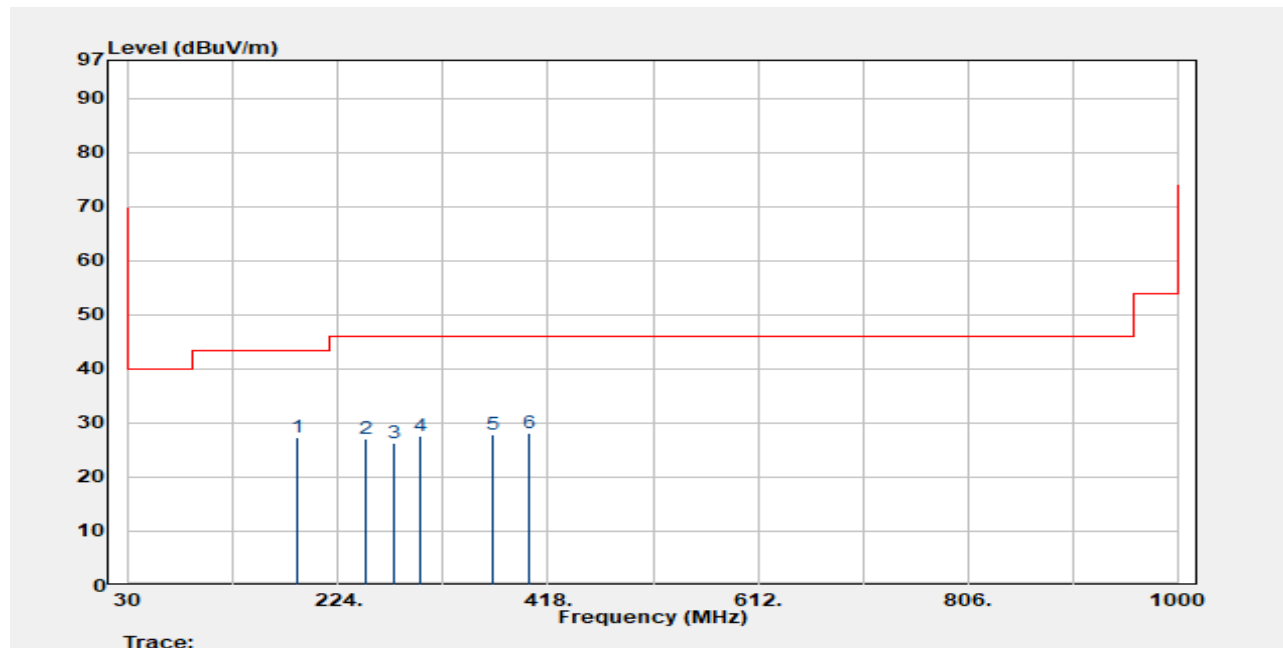
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-24
 Temp./Humi. :19.3/58
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
185.200	Peak	36.51	-9.11	27.41	43.50	-16.09
249.867	Peak	34.79	-7.79	27.01	46.00	-18.99
275.733	Peak	32.70	-6.53	26.18	46.00	-19.82
299.983	Peak	33.48	-5.90	27.58	46.00	-18.42
366.267	Peak	32.23	-4.47	27.76	46.00	-18.24
400.217	Peak	32.00	-3.91	28.09	46.00	-17.91

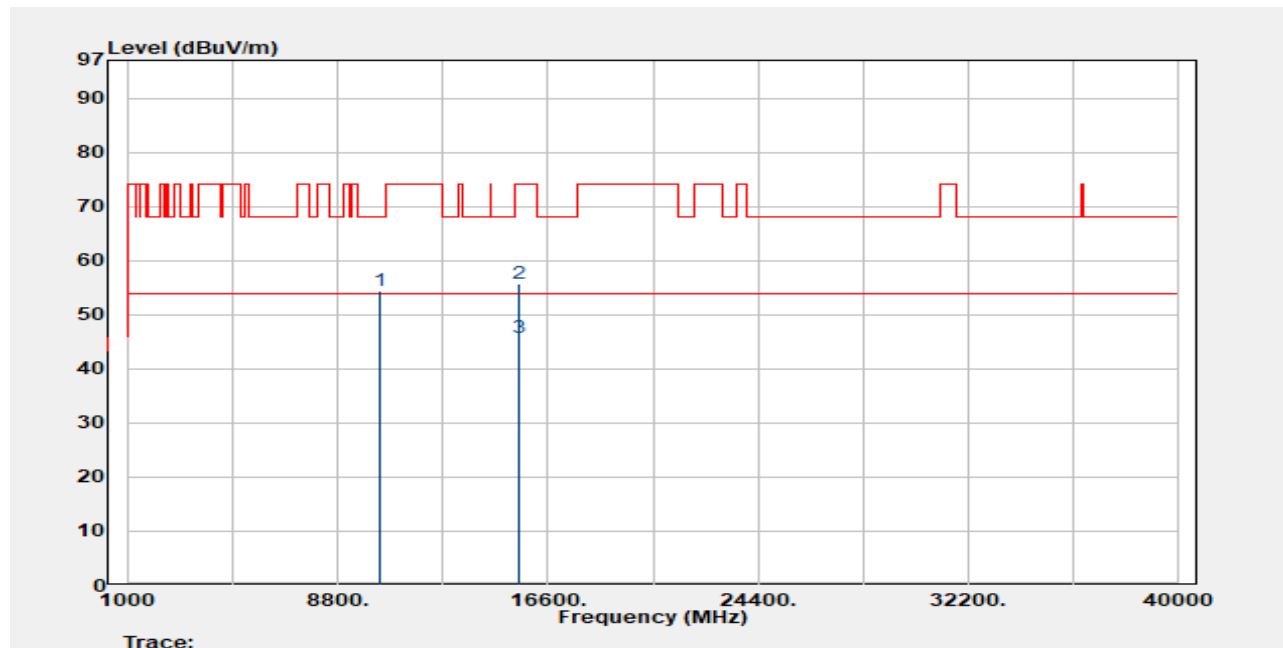
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.000	Peak	33.67	20.80	54.47	68.20	-13.73
15540.000	Peak	32.71	22.92	55.63	74.00	-18.37
15540.000	Average	22.93	22.92	45.85	54.00	-8.15

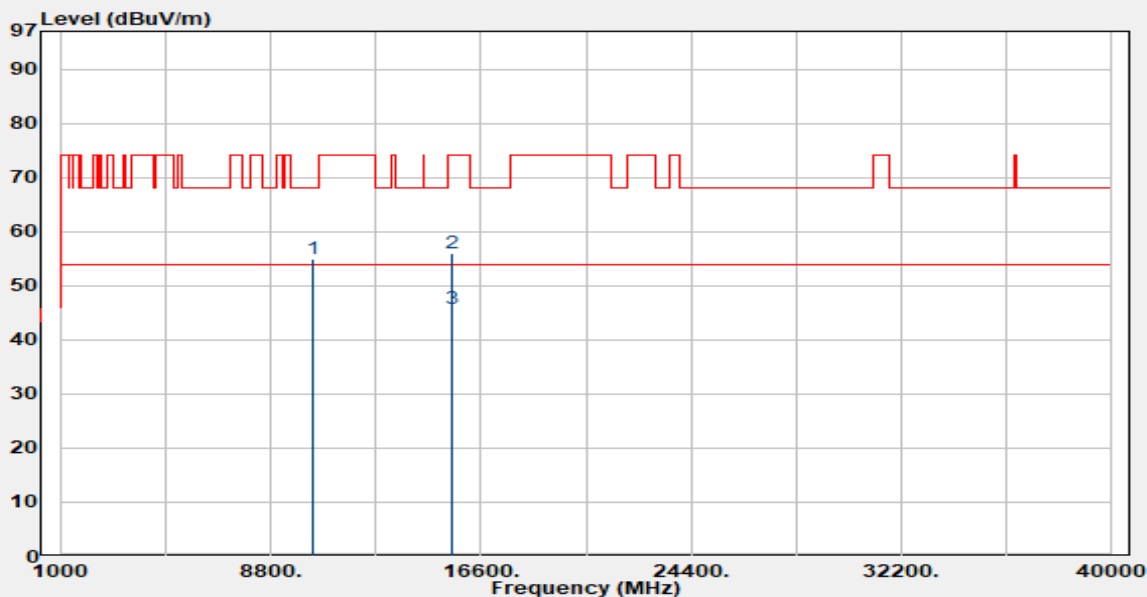
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10360.000	Peak	34.19	20.80	54.99	68.20	-13.21
15540.000	Peak	33.02	22.92	55.94	74.00	-18.06
15540.000	Average	22.91	22.92	45.83	54.00	-8.17

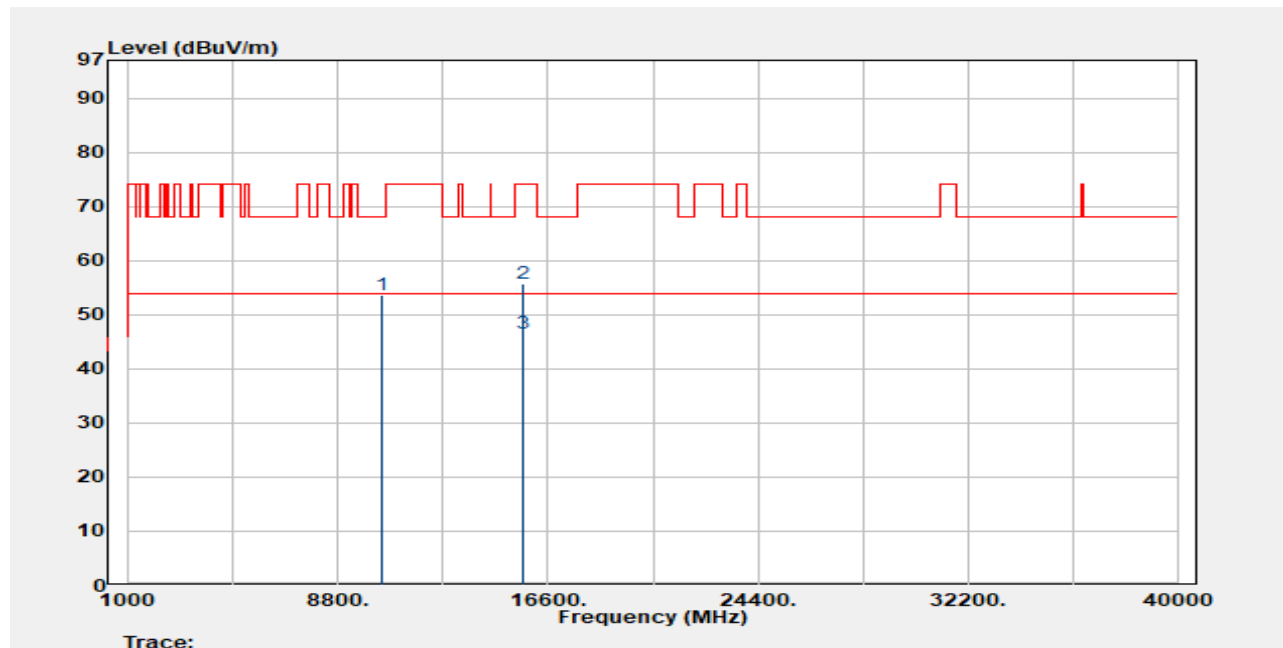
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.000	Peak	33.71	19.88	53.60	68.20	-14.60
15660.000	Peak	32.27	23.40	55.67	74.00	-18.33
15660.000	Average	23.09	23.40	46.49	54.00	-7.51

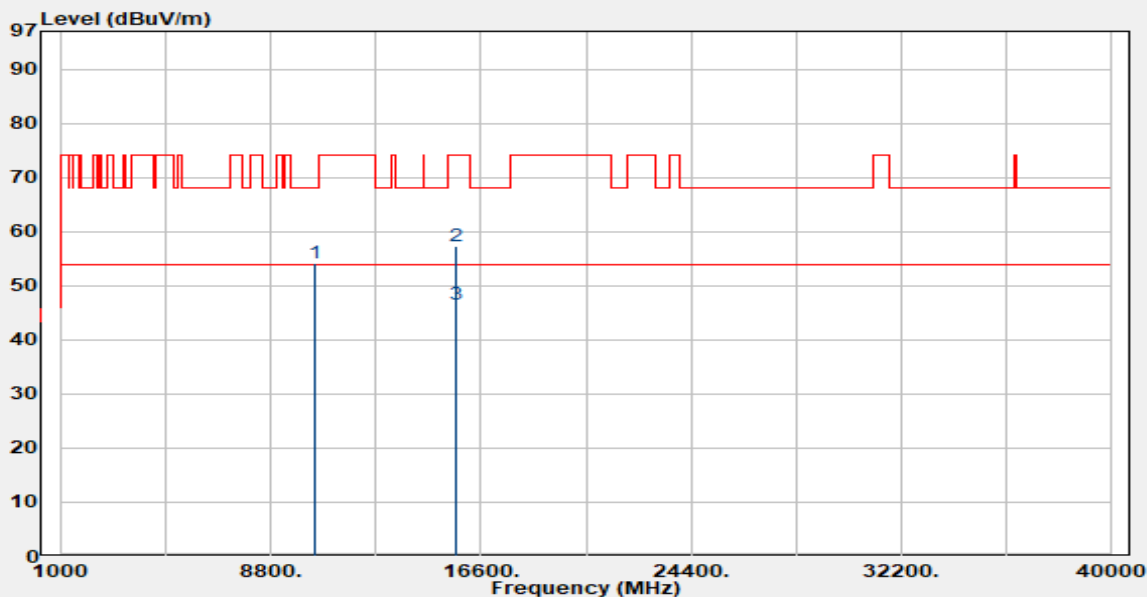
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5220 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.000	Peak	34.39	19.88	54.28	68.20	-13.92
15660.000	Peak	33.85	23.40	57.25	74.00	-16.75
15660.000	Average	23.11	23.40	46.51	54.00	-7.49

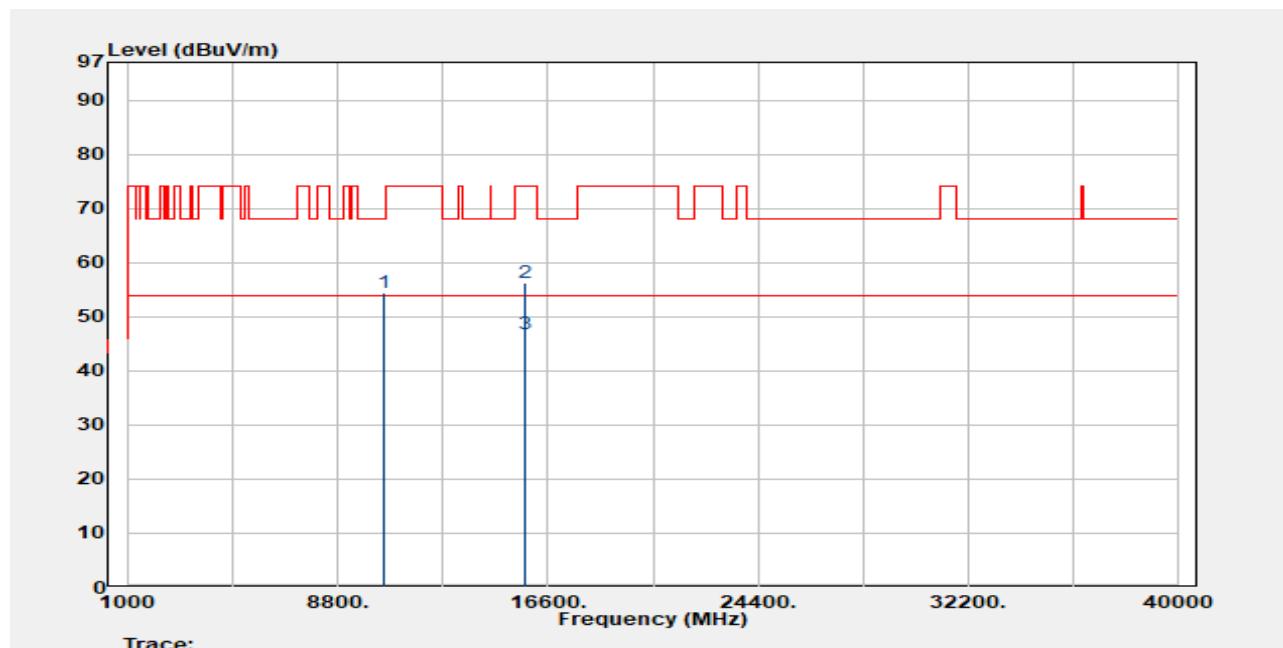
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10480.000	Peak	33.17	21.13	54.30	68.20	-13.90
15720.000	Peak	32.55	23.59	56.14	74.00	-17.86
15720.000	Average	23.09	23.59	46.68	54.00	-7.32

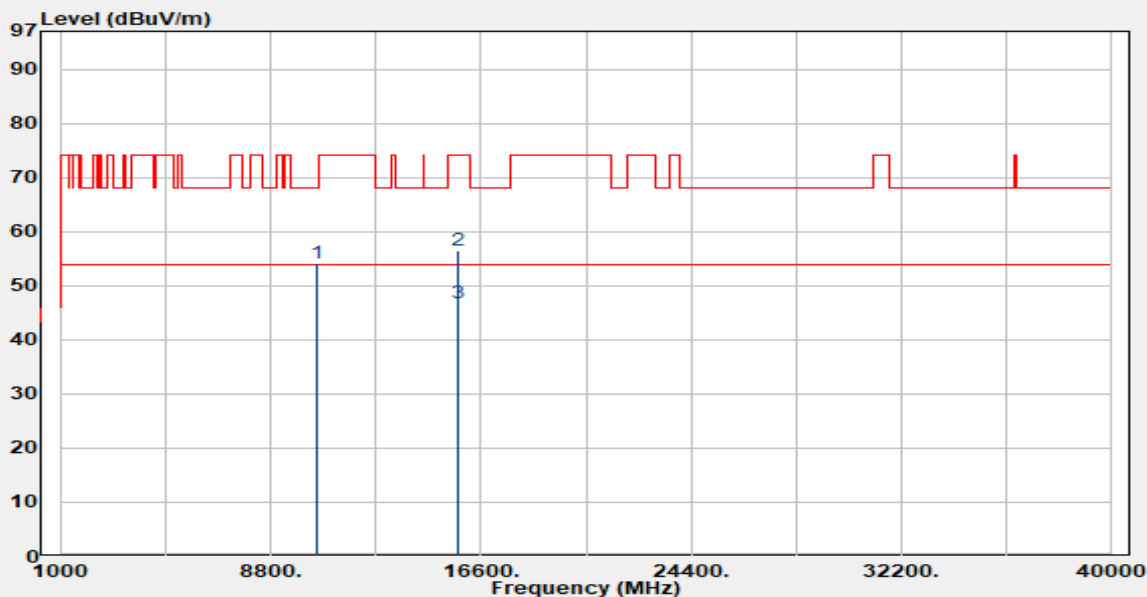
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5240 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10480.000	Peak	32.89	21.13	54.02	68.20	-14.18
15720.000	Peak	32.84	23.59	56.43	74.00	-17.57
15720.000	Average	23.08	23.59	46.67	54.00	-7.33

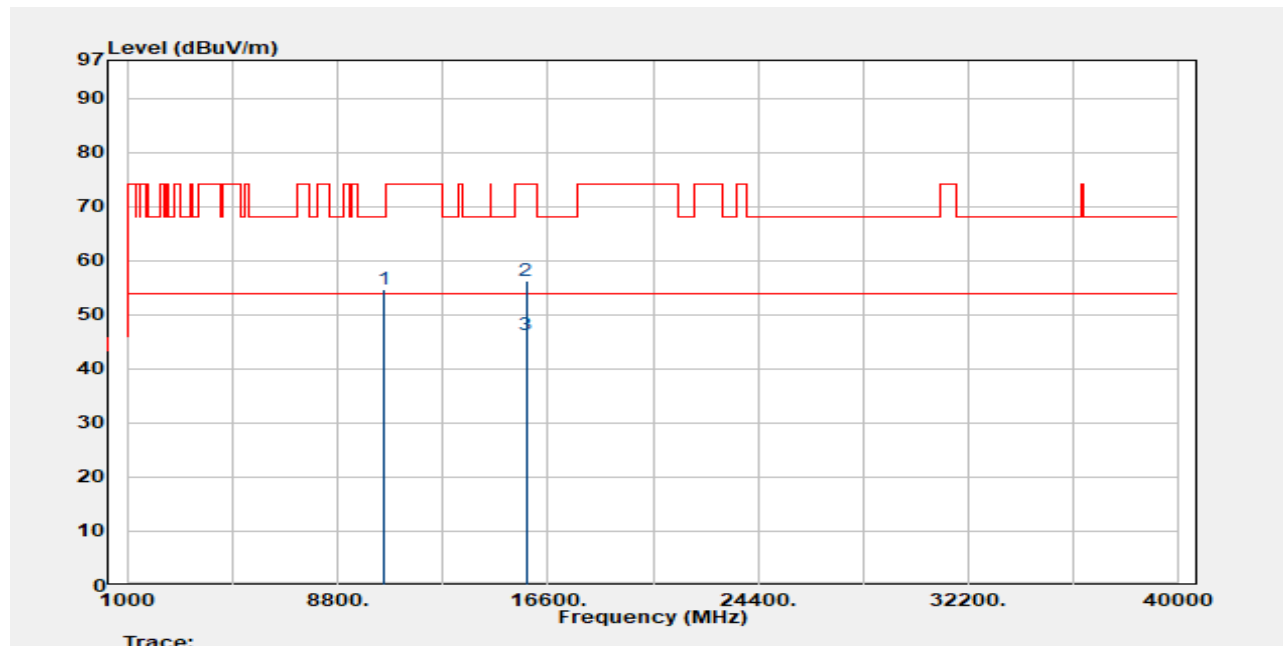
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.000	Peak	32.98	21.61	54.59	68.20	-13.61
15780.000	Peak	32.90	23.30	56.20	74.00	-17.80
15780.000	Average	23.05	23.30	46.35	54.00	-7.65

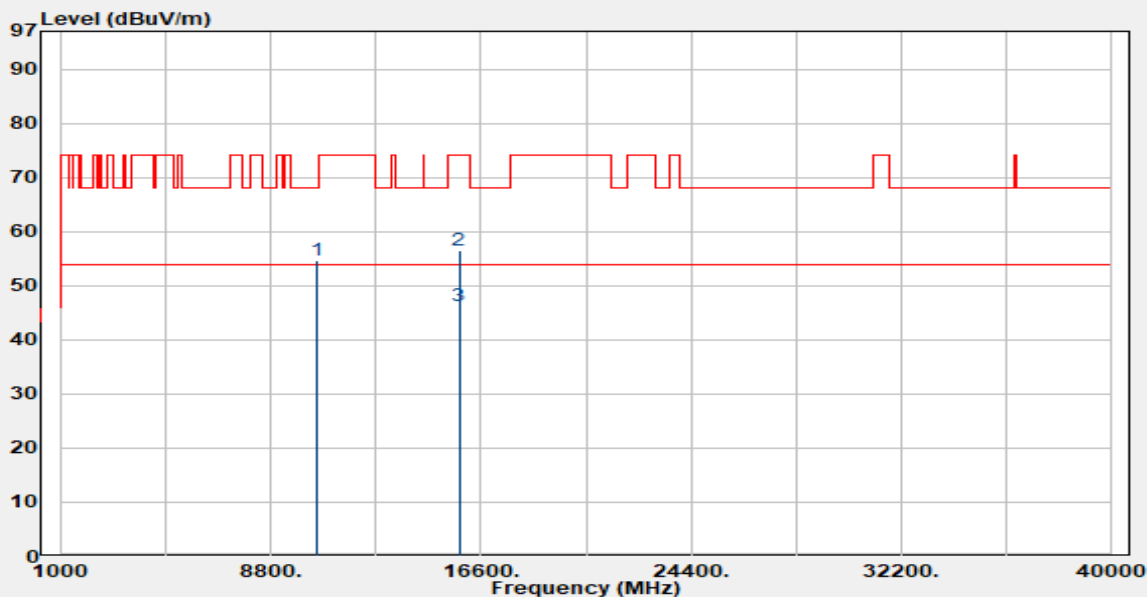
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5260 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.000	Peak	32.98	21.61	54.59	68.20	-13.61
15780.000	Peak	33.17	23.30	56.47	74.00	-17.53
15780.000	Average	23.07	23.30	46.37	54.00	-7.63

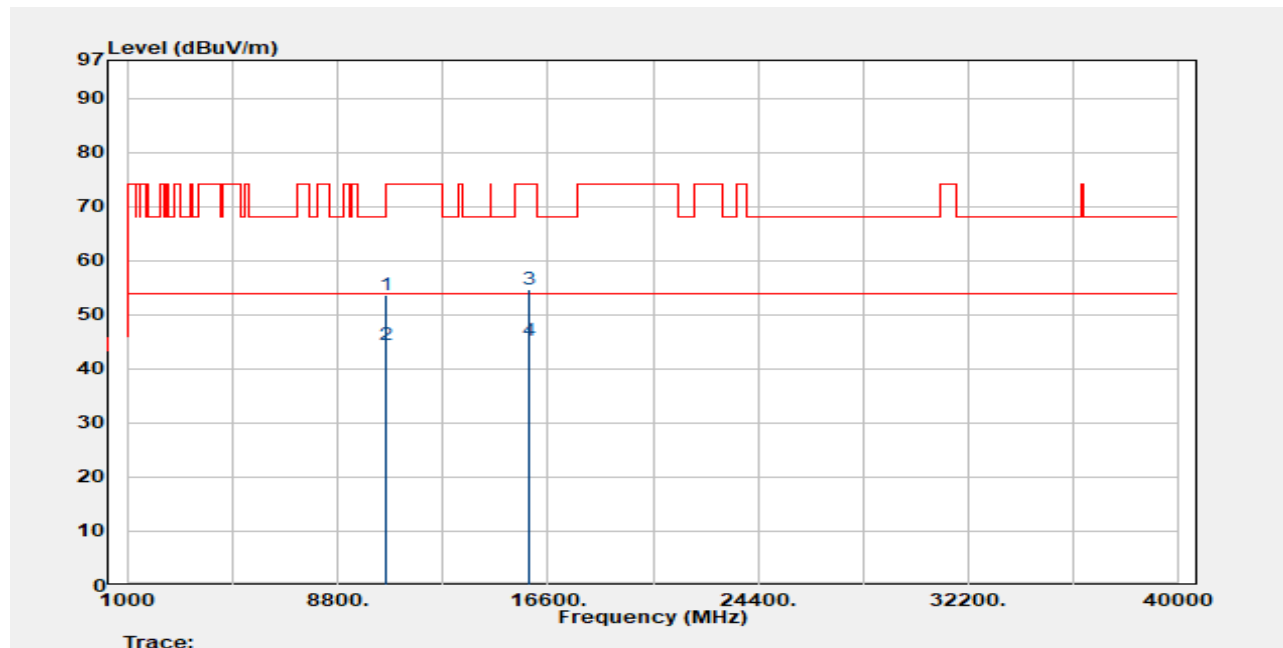
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10600.000	Peak	33.02	20.66	53.68	74.00	-20.32
10600.000	Average	23.82	20.66	44.48	54.00	-9.52
15900.000	Peak	32.38	22.36	54.74	74.00	-19.26
15900.000	Average	22.86	22.36	45.22	54.00	-8.78

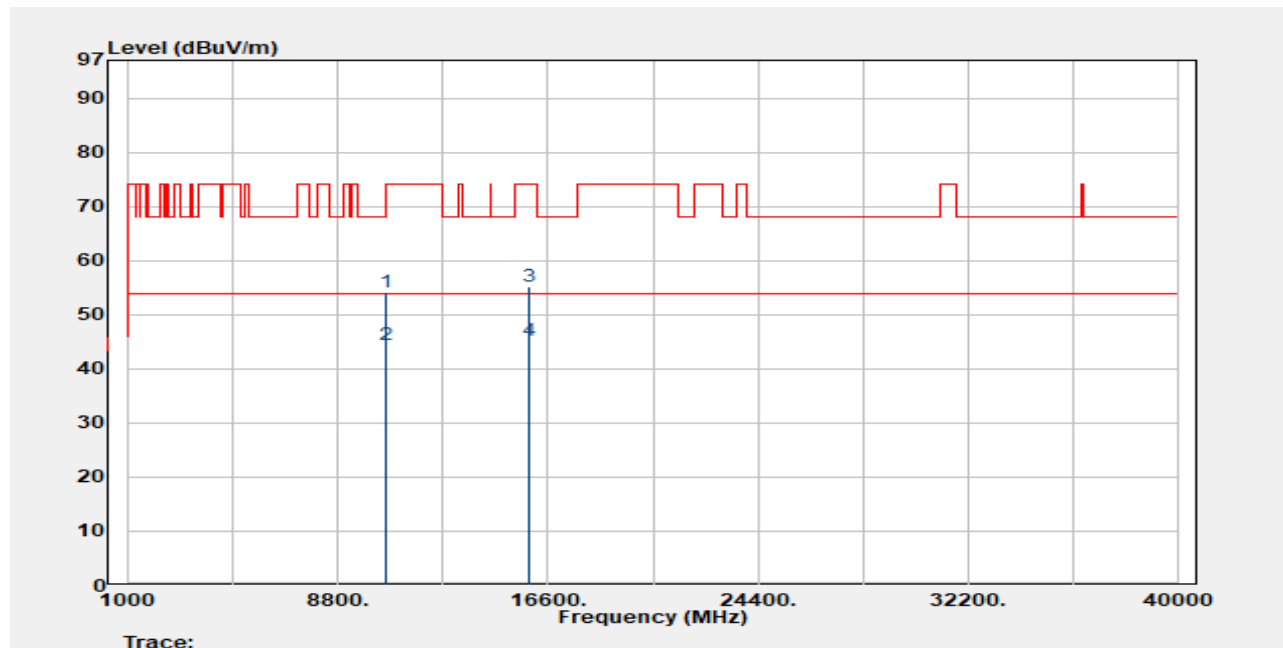
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5300 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10600.000	Peak	33.47	20.66	54.12	74.00	-19.88
10600.000	Average	23.85	20.66	44.51	54.00	-9.49
15900.000	Peak	32.87	22.36	55.24	74.00	-18.76
15900.000	Average	22.85	22.36	45.21	54.00	-8.79

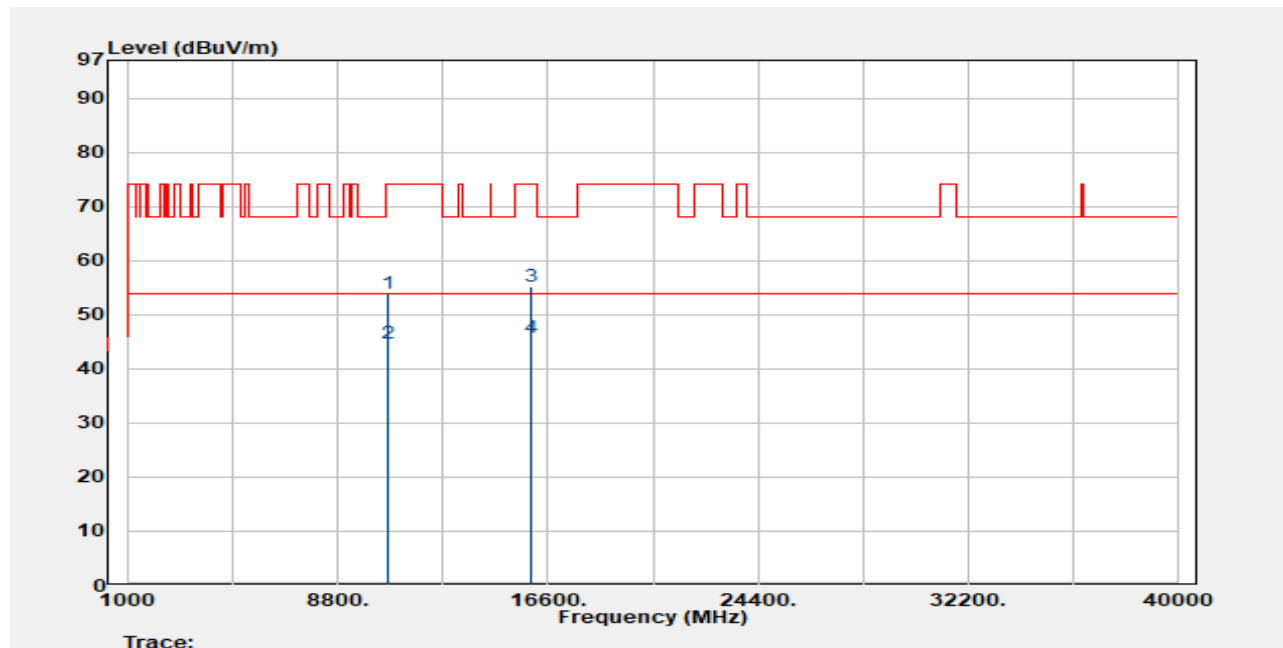
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



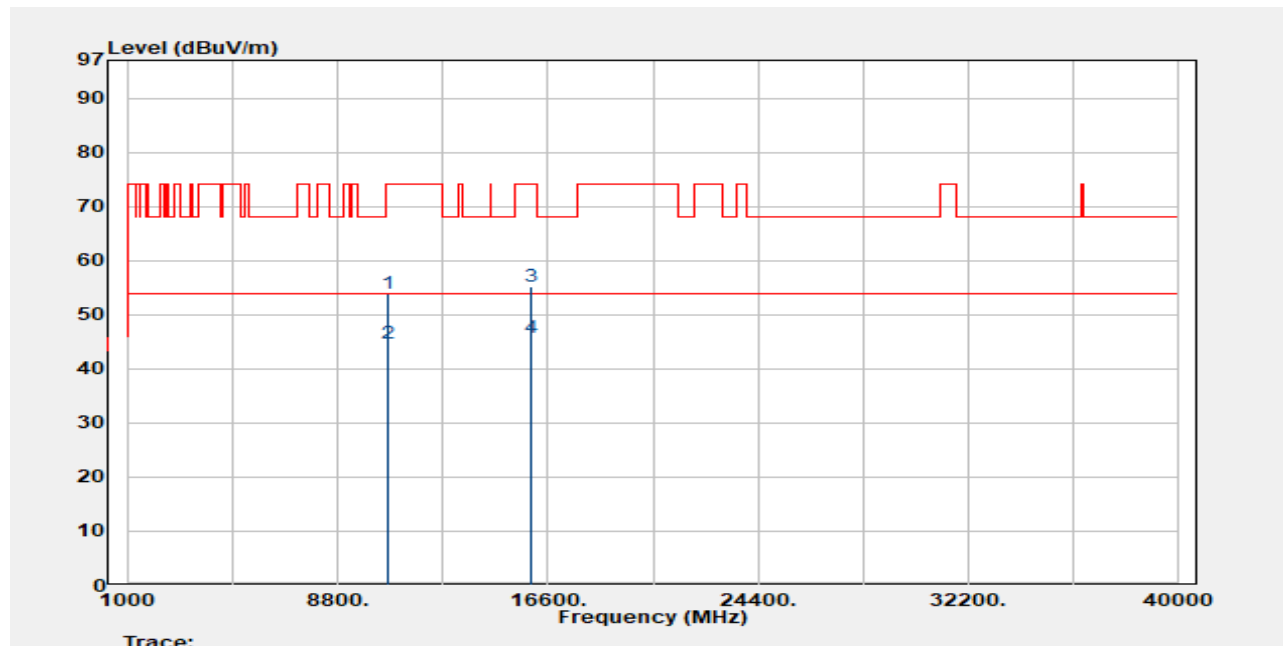
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10640.000	Peak	32.90	21.11	54.01	74.00	-19.99
10640.000	Average	23.47	21.11	44.58	54.00	-9.42
15960.000	Peak	32.53	22.59	55.11	74.00	-18.89
15960.000	Average	23.21	22.59	45.80	54.00	-8.20

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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
10640.000	Peak	32.89	21.11	53.99	74.00	-20.01
10640.000	Average	23.62	21.11	44.73	54.00	-9.27
15960.000	Peak	32.72	22.59	55.30	74.00	-18.70
15960.000	Average	23.25	22.59	45.84	54.00	-8.16

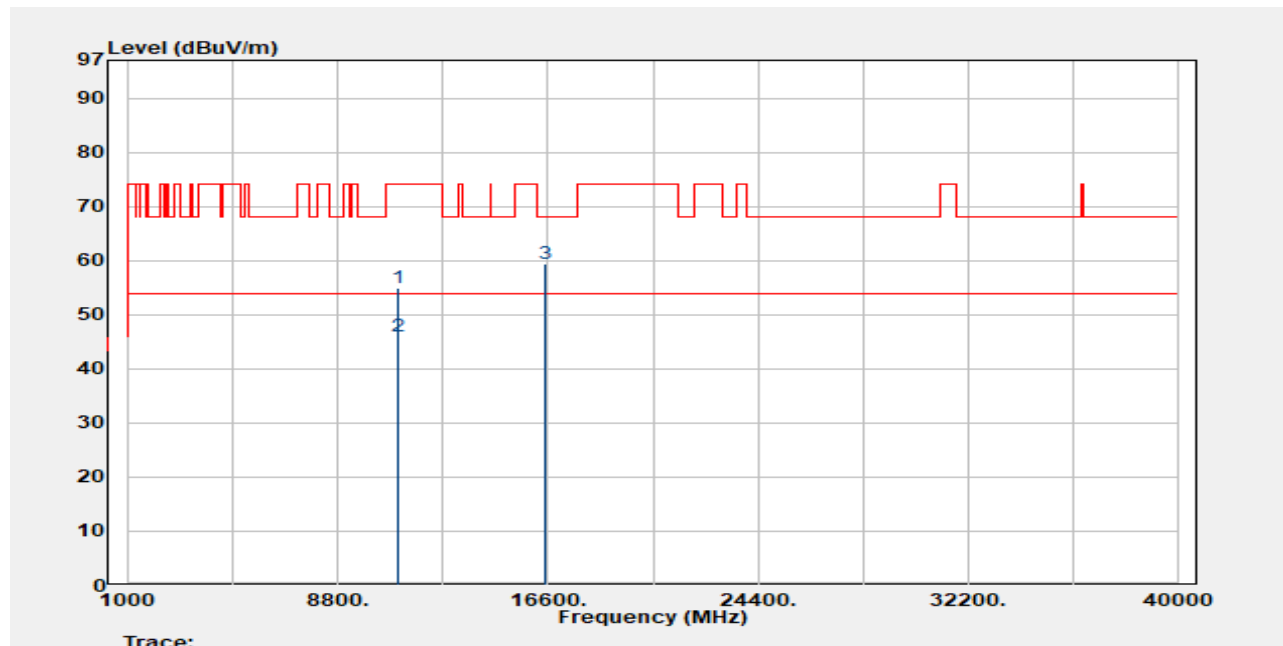
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11000.000	Peak	32.35	22.63	54.98	74.00	-19.02
11000.000	Average	23.36	22.63	45.99	54.00	-8.01
16500.000	Peak	33.62	25.82	59.44	68.20	-8.76

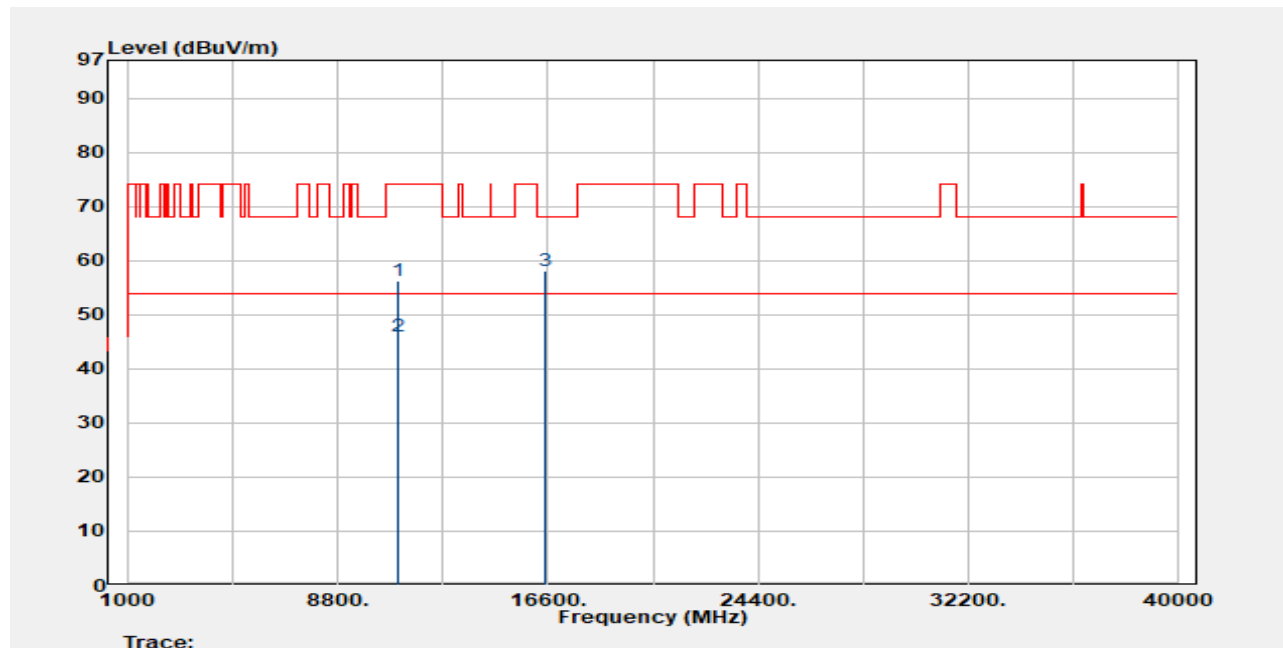
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11000.000	Peak	33.57	22.63	56.19	74.00	-17.81
11000.000	Average	23.46	22.63	46.09	54.00	-7.91
16500.000	Peak	32.30	25.82	58.12	68.20	-10.08

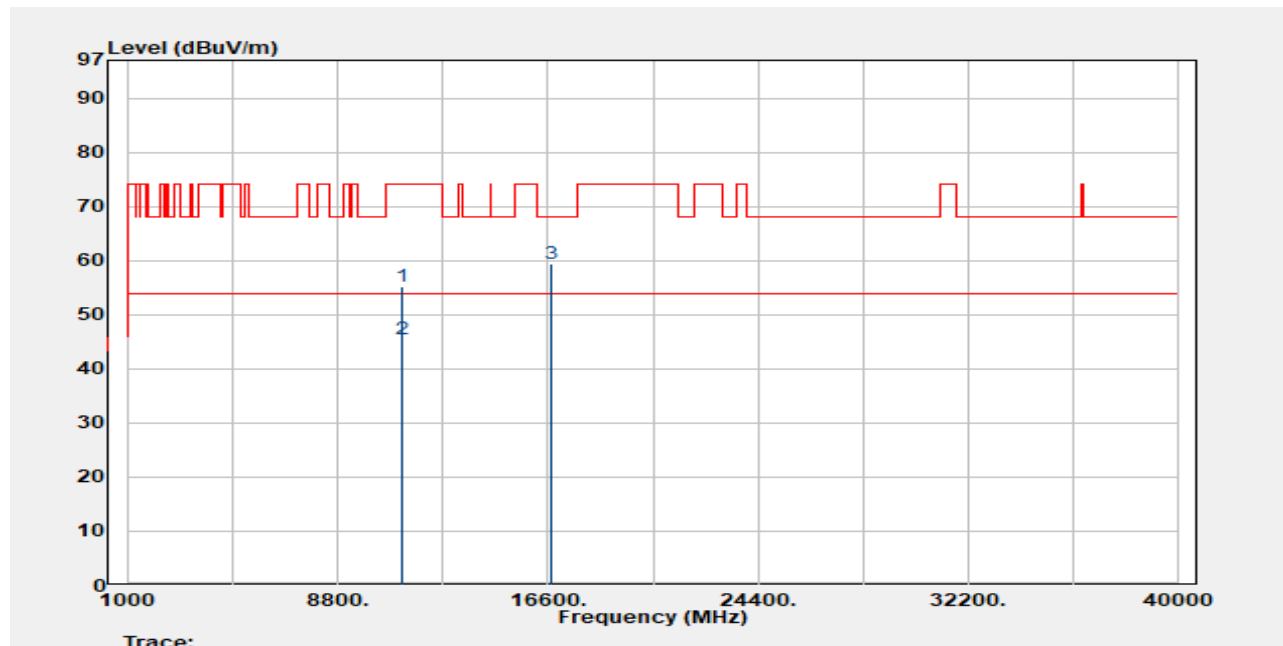
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5580 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.000	Peak	33.35	21.80	55.15	74.00	-18.85
11160.000	Average	23.65	21.80	45.45	54.00	-8.55
16740.000	Peak	31.83	27.46	59.29	68.20	-8.91

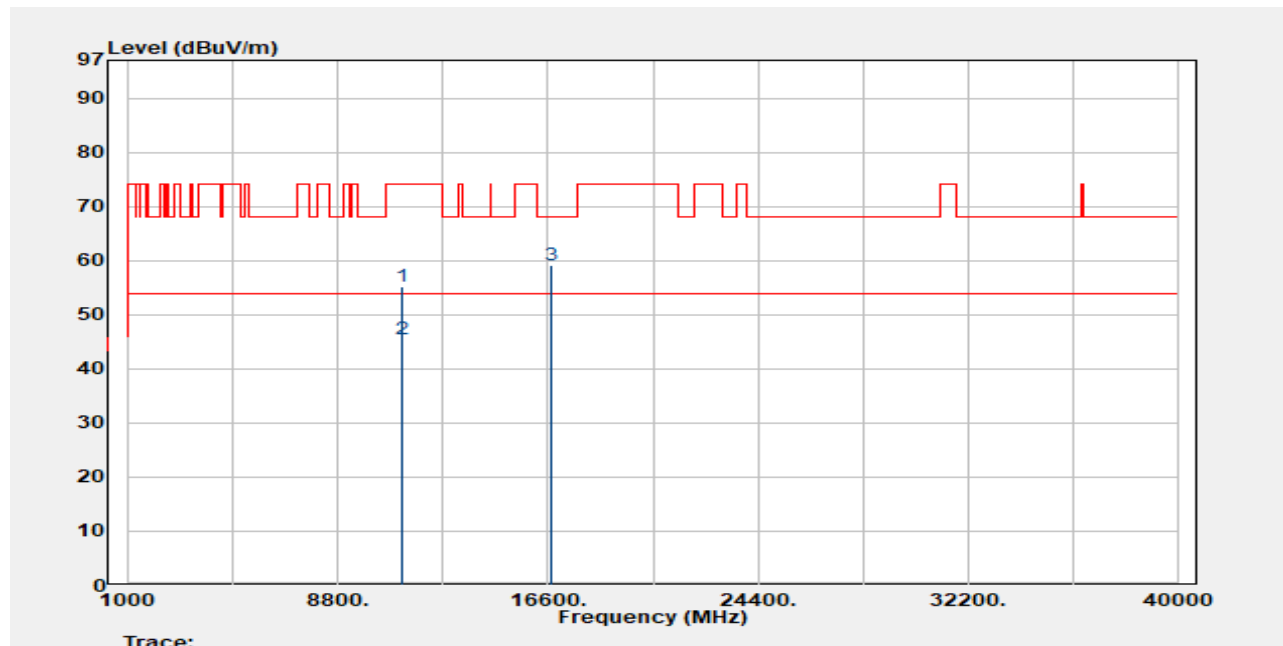
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5580 MHz
Test Mode :Tx CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-21
Temp./Humi. :18.7/57
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11160.000	Peak	33.35	21.80	55.16	74.00	-18.84
11160.000	Average	23.61	21.80	45.41	54.00	-8.59
16740.000	Peak	31.78	27.46	59.24	68.20	-8.96

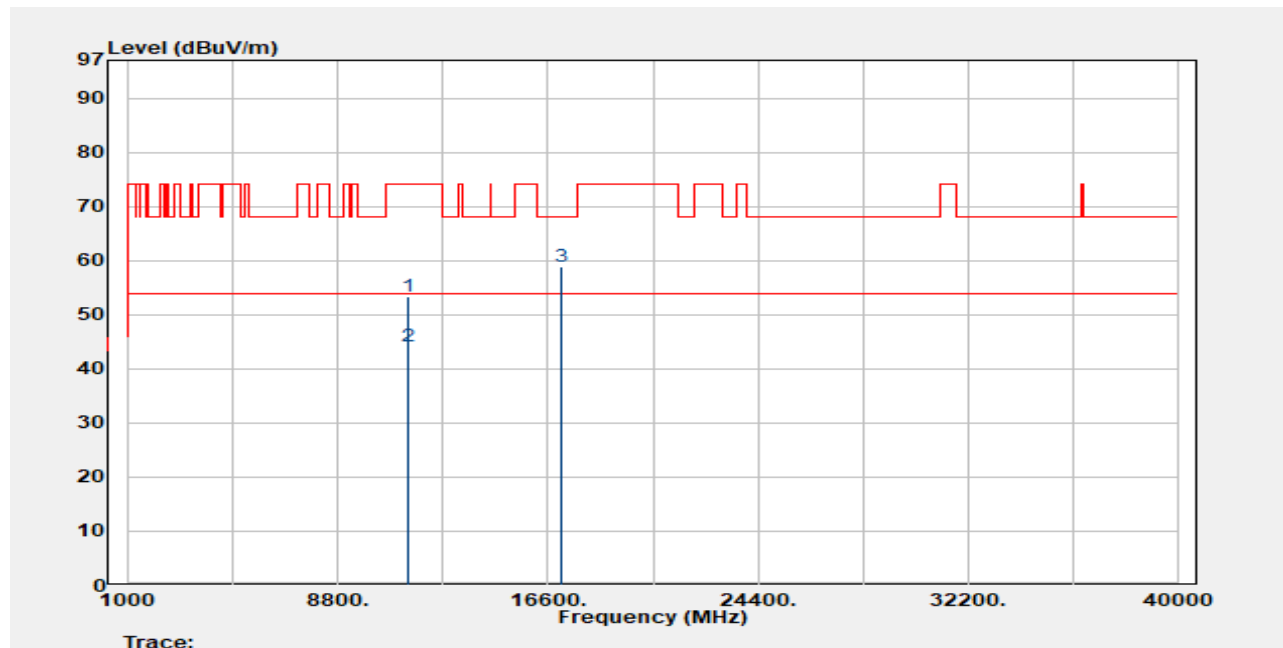
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11400.000	Peak	32.69	20.76	53.45	74.00	-20.55
11400.000	Average	23.37	20.76	44.13	54.00	-9.87
17100.000	Peak	31.12	27.66	58.78	68.20	-9.42

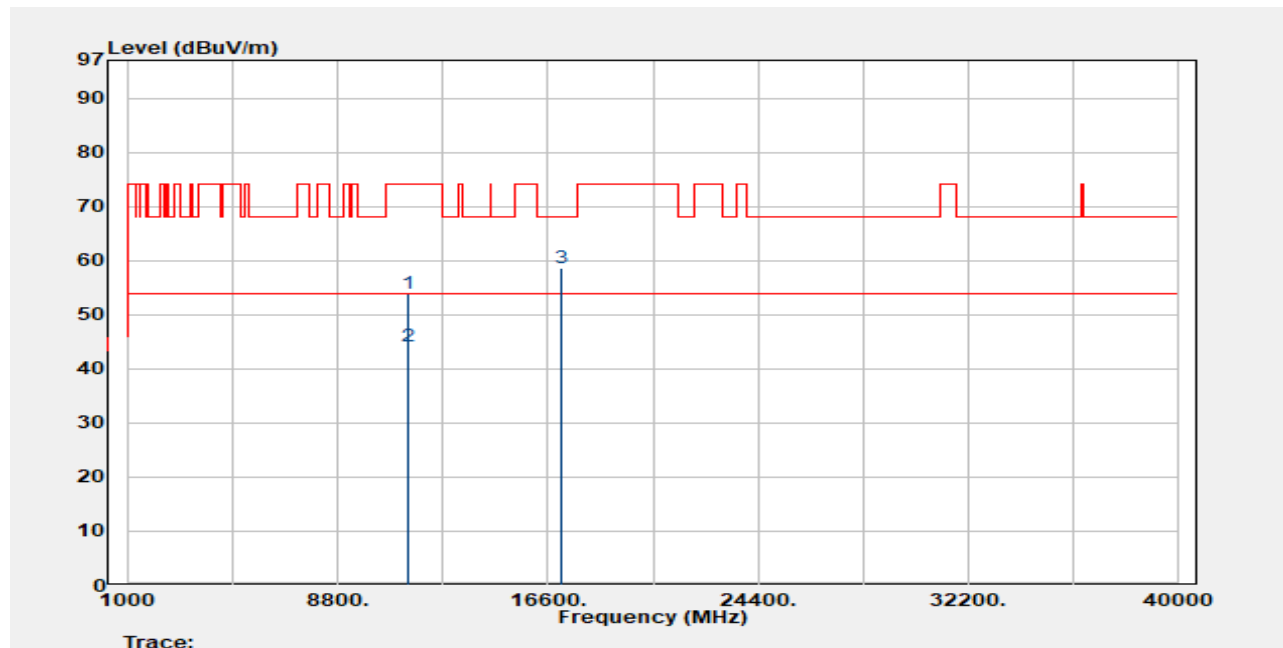
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11400.000	Peak	33.18	20.76	53.94	74.00	-20.06
11400.000	Average	23.33	20.76	44.09	54.00	-9.91
17100.000	Peak	31.09	27.66	58.74	68.20	-9.46

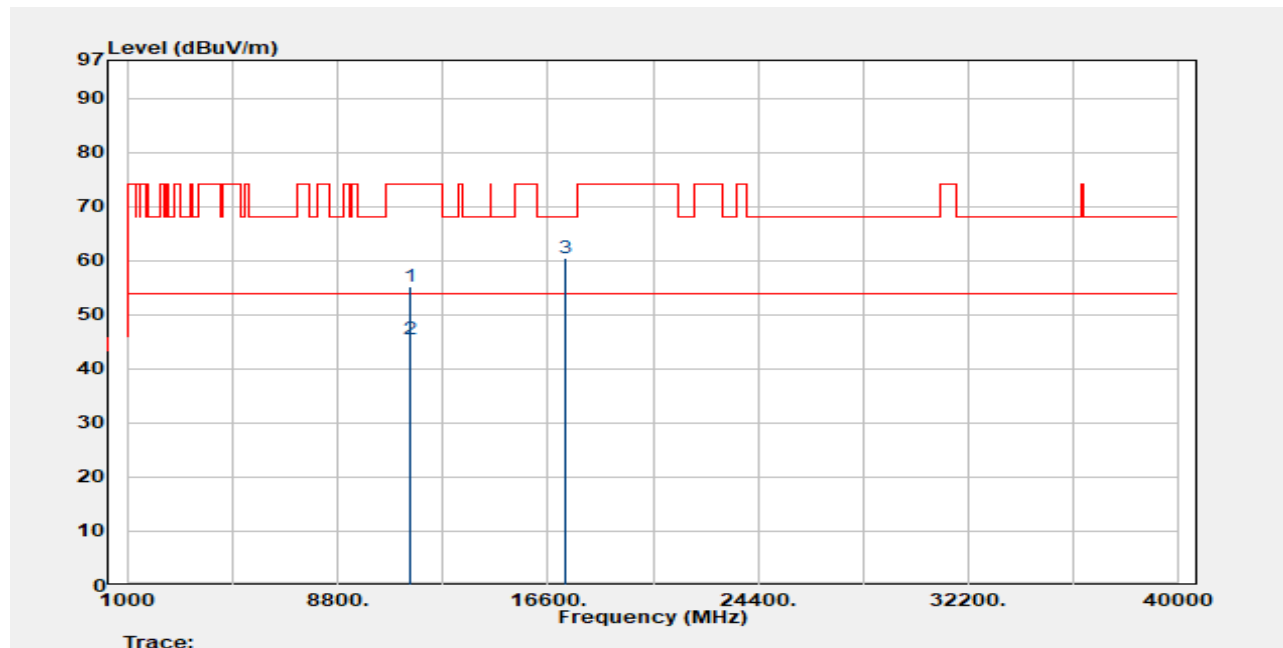
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11490.000	Peak	32.82	22.41	55.23	74.00	-18.77
11490.000	Average	22.98	22.41	45.39	54.00	-8.61
17235.000	Peak	31.69	28.86	60.55	68.20	-7.65

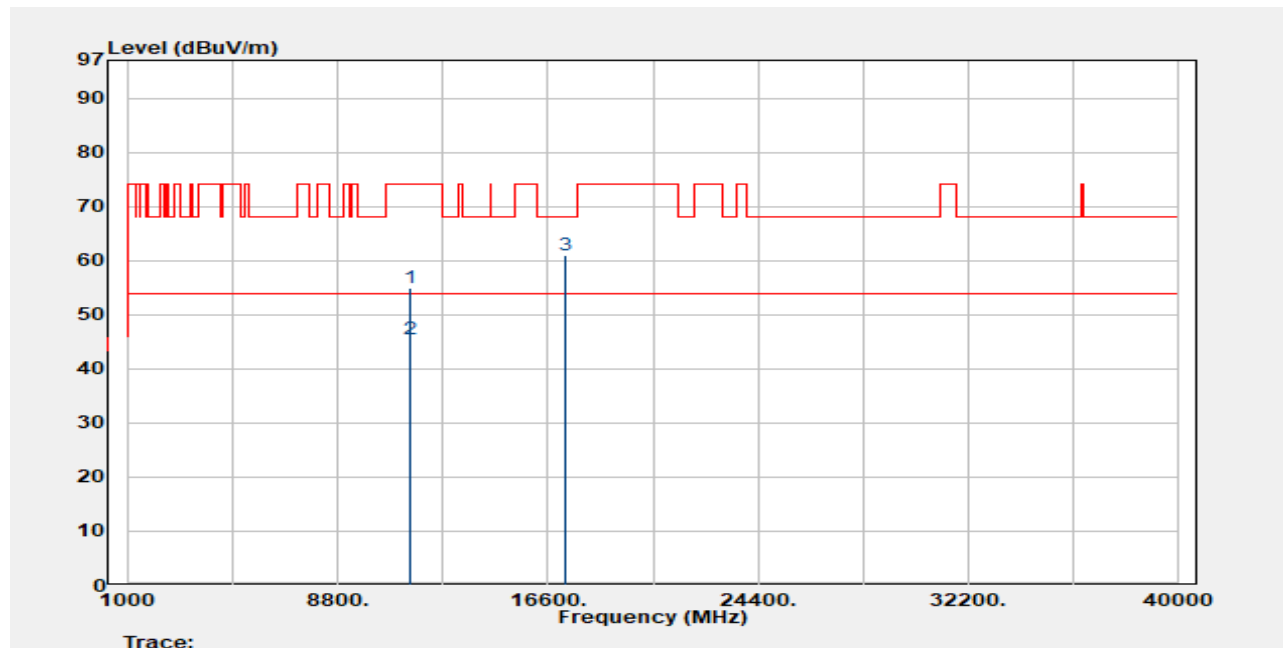
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11490.000	Peak	32.52	22.41	54.93	74.00	-19.07
11490.000	Average	23.02	22.41	45.43	54.00	-8.57
17235.000	Peak	32.15	28.86	61.02	68.20	-7.18

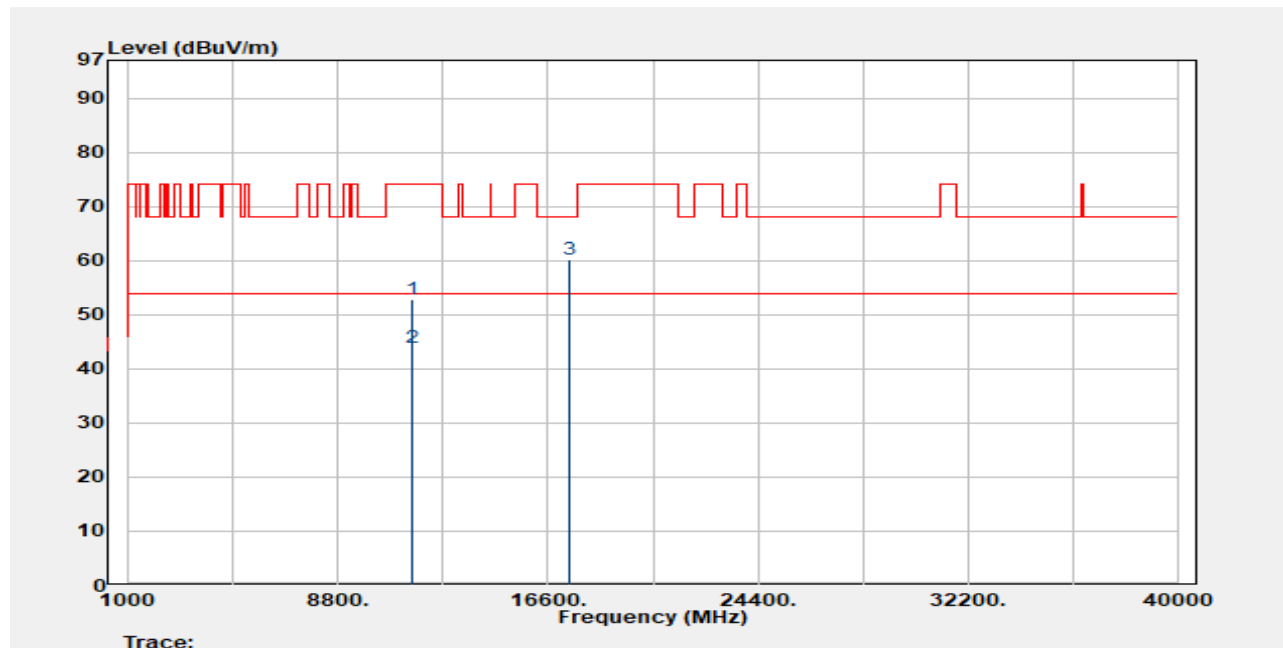
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.000	Peak	32.29	20.62	52.91	74.00	-21.09
11570.000	Average	23.25	20.62	43.87	54.00	-10.13
17355.000	Peak	32.03	28.16	60.19	68.20	-8.01

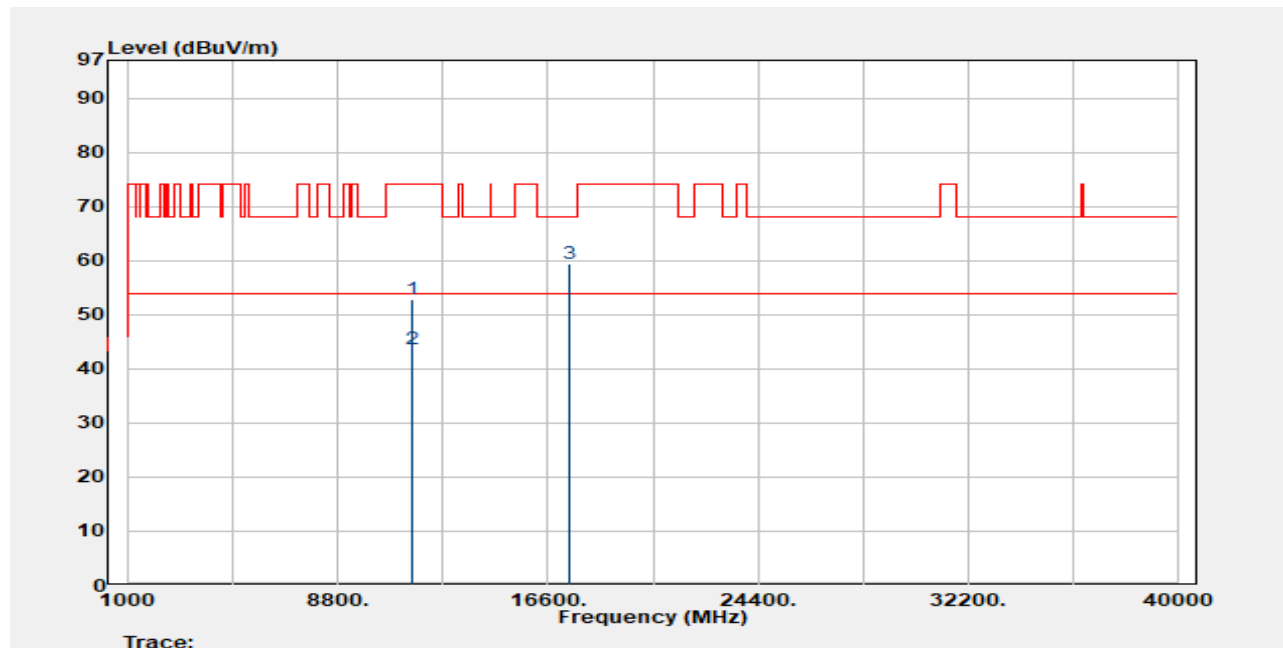
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5785 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11570.000	Peak	32.10	20.62	52.72	74.00	-21.28
11570.000	Average	23.05	20.62	43.67	54.00	-10.33
17355.000	Peak	31.37	28.16	59.53	68.20	-8.67

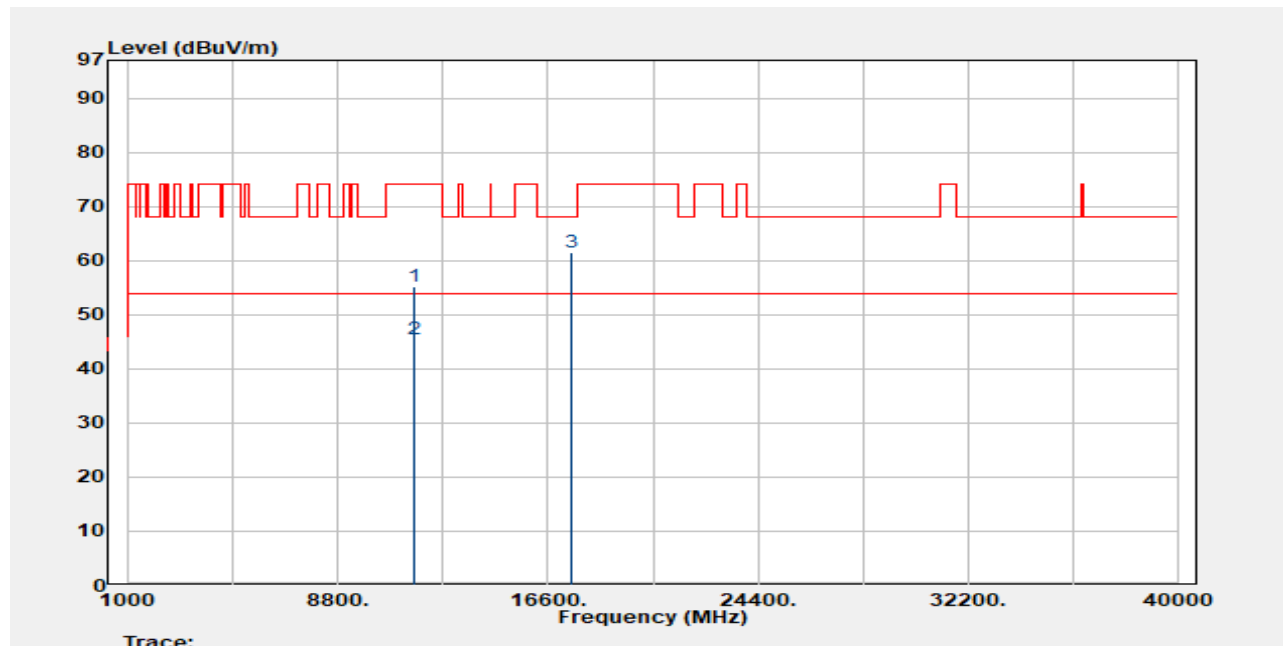
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11650.000	Peak	32.91	22.29	55.20	74.00	-18.80
11650.000	Average	23.26	22.29	45.55	54.00	-8.45
17475.000	Peak	31.20	30.21	61.41	68.20	-6.79

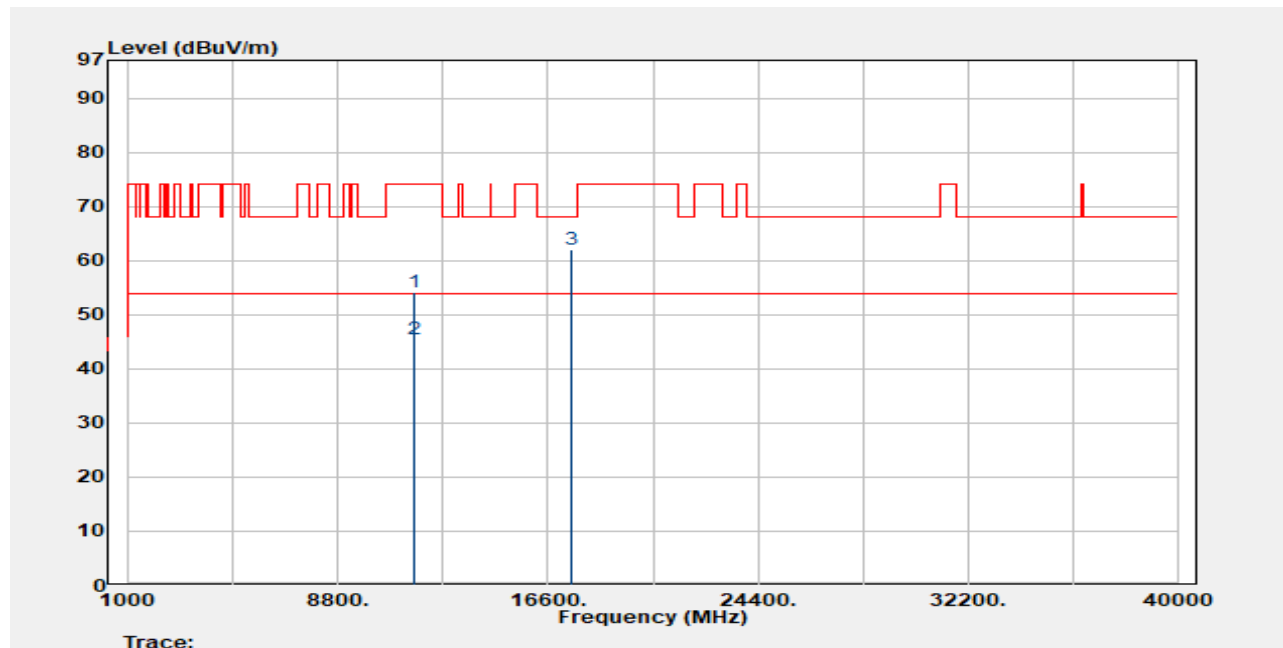
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11650.000	Peak	31.94	22.29	54.23	74.00	-19.77
11650.000	Average	23.18	22.29	45.47	54.00	-8.53
17475.000	Peak	31.76	30.21	61.97	68.20	-6.23

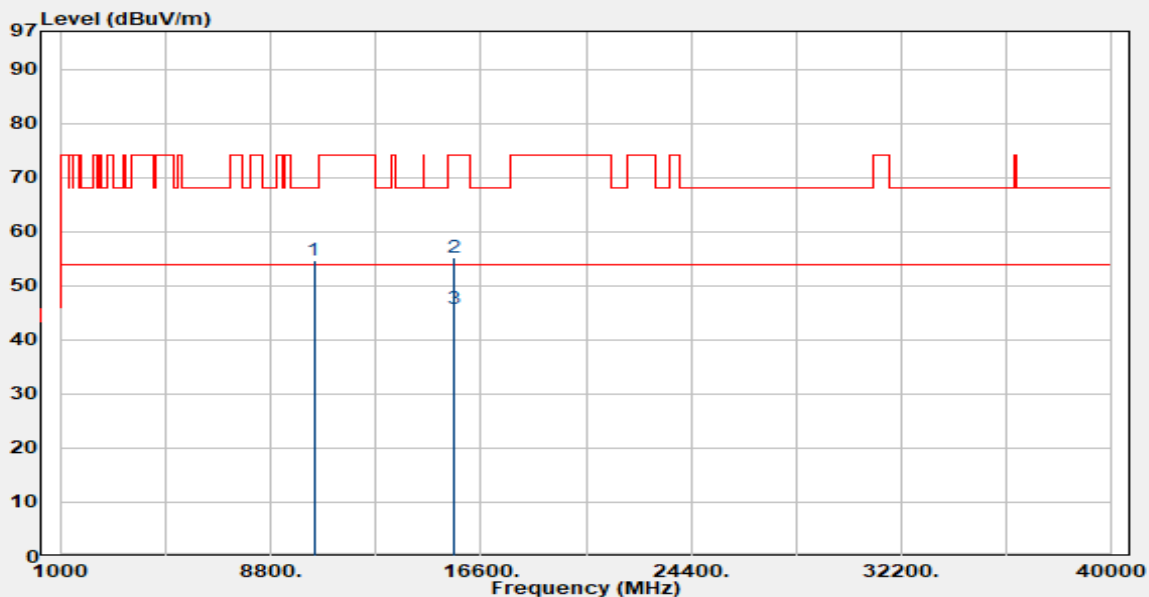
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.000	Peak	34.16	20.59	54.75	68.20	-13.45
15570.000	Peak	32.21	22.98	55.18	74.00	-18.82
15570.000	Average	22.76	22.98	45.74	54.00	-8.26

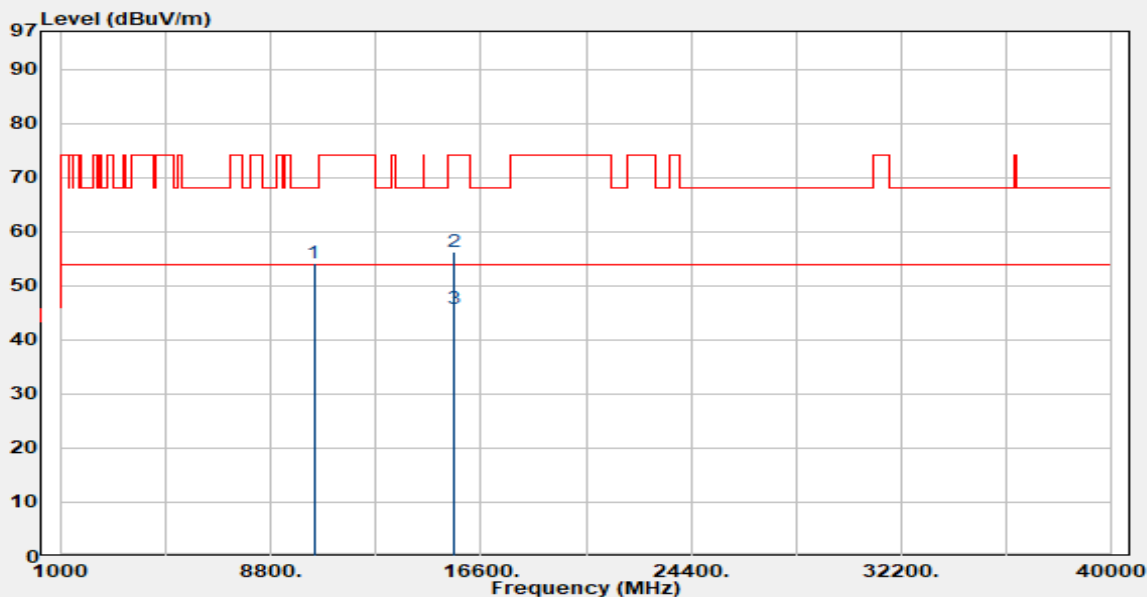
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.000	Peak	33.55	20.59	54.14	68.20	-14.06
15570.000	Peak	33.15	22.98	56.13	74.00	-17.87
15570.000	Average	22.75	22.98	45.73	54.00	-8.27

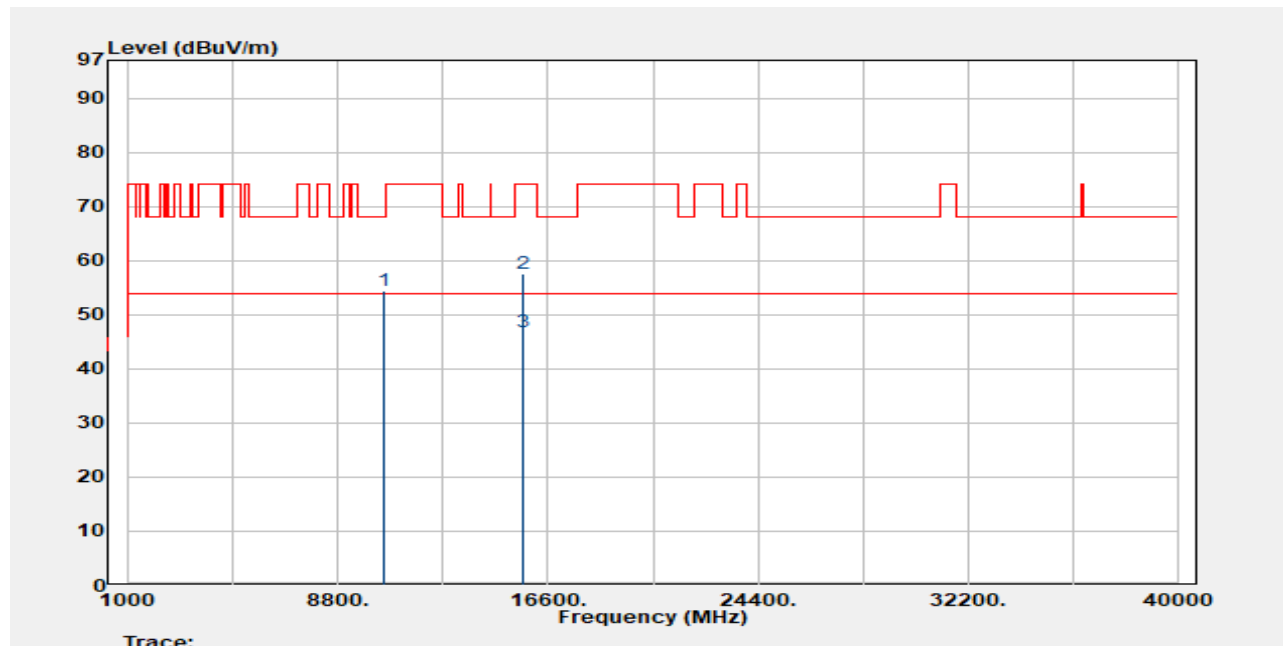
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10460.000	Peak	34.08	20.21	54.29	68.20	-13.91
15690.000	Peak	33.88	23.67	57.55	74.00	-16.45
15690.000	Average	23.23	23.67	46.90	54.00	-7.10

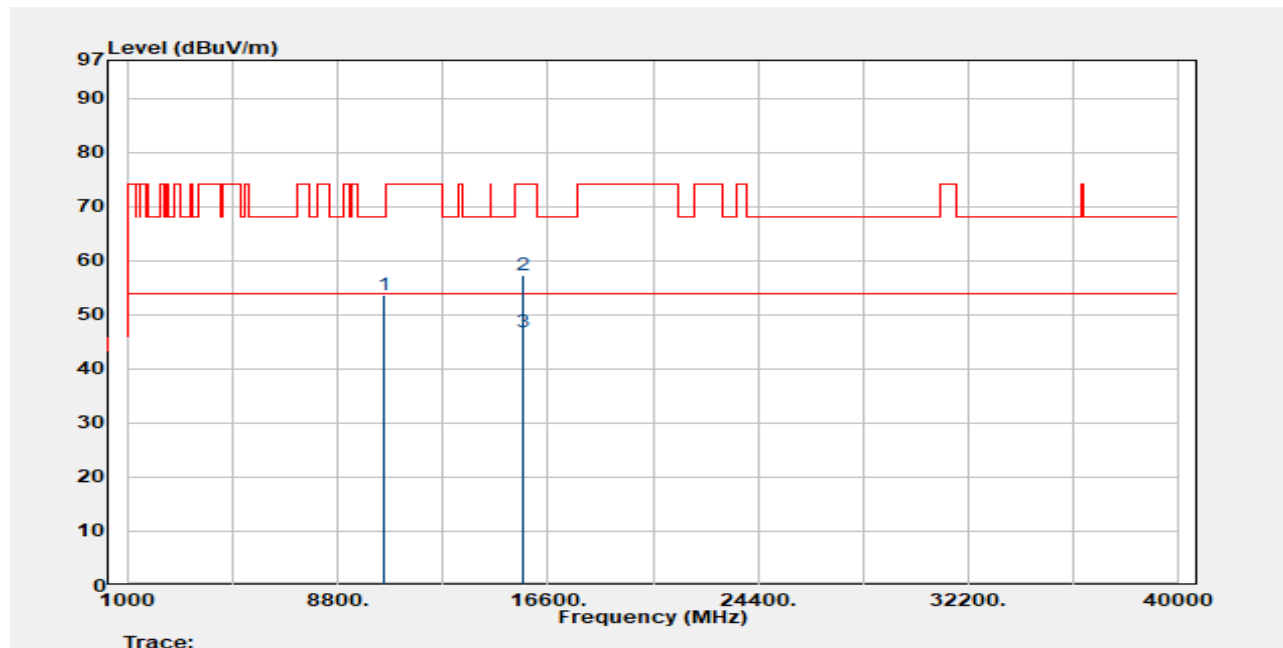
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5230 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10460.000	Peak	33.49	20.21	53.71	68.20	-14.49
15690.000	Peak	33.65	23.67	57.32	74.00	-16.68
15690.000	Average	23.21	23.67	46.88	54.00	-7.12

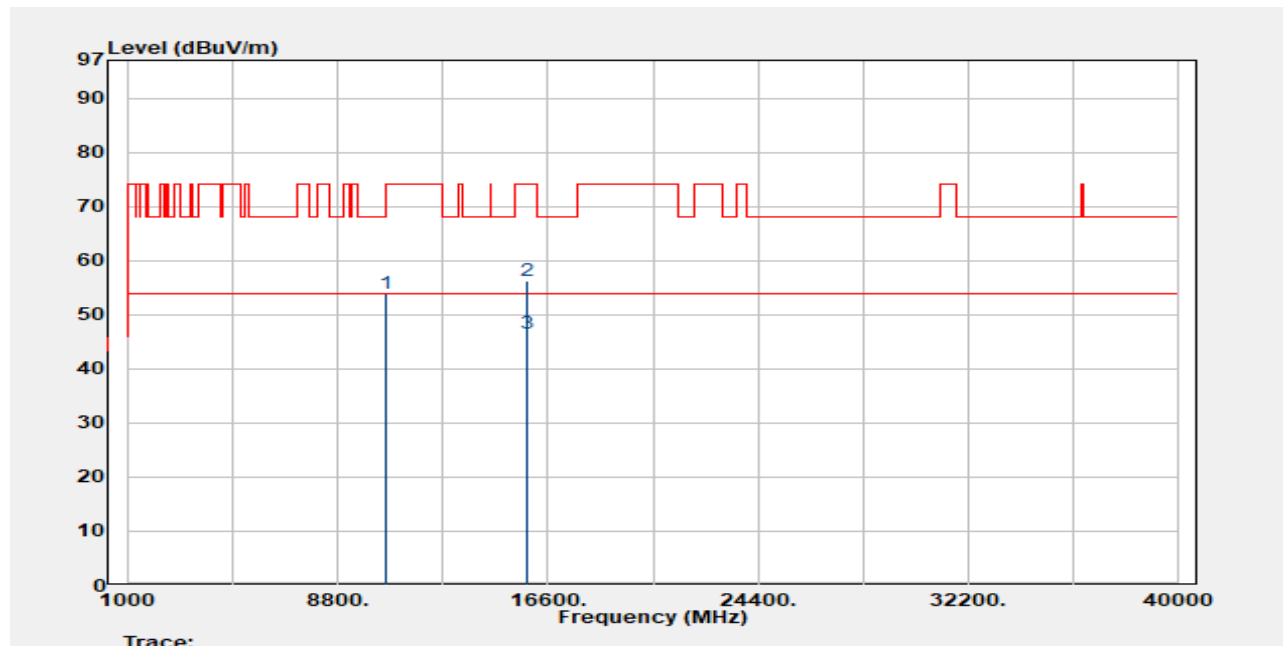
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10540.000	Peak	32.73	21.18	53.91	68.20	-14.29
15810.000	Peak	33.10	23.26	56.36	74.00	-17.64
15810.000	Average	23.32	23.26	46.58	54.00	-7.42

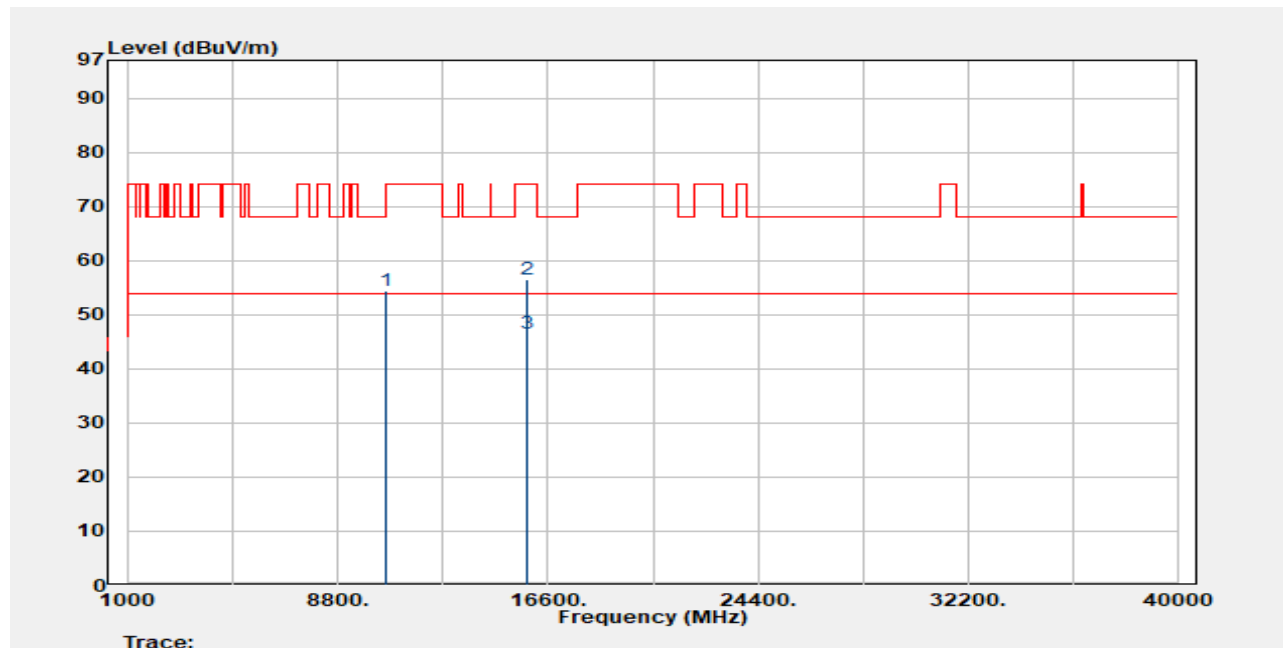
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5270 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10540.000	Peak	33.23	21.18	54.41	68.20	-13.79
15810.000	Peak	33.37	23.26	56.63	74.00	-17.37
15810.000	Average	23.33	23.26	46.59	54.00	-7.41

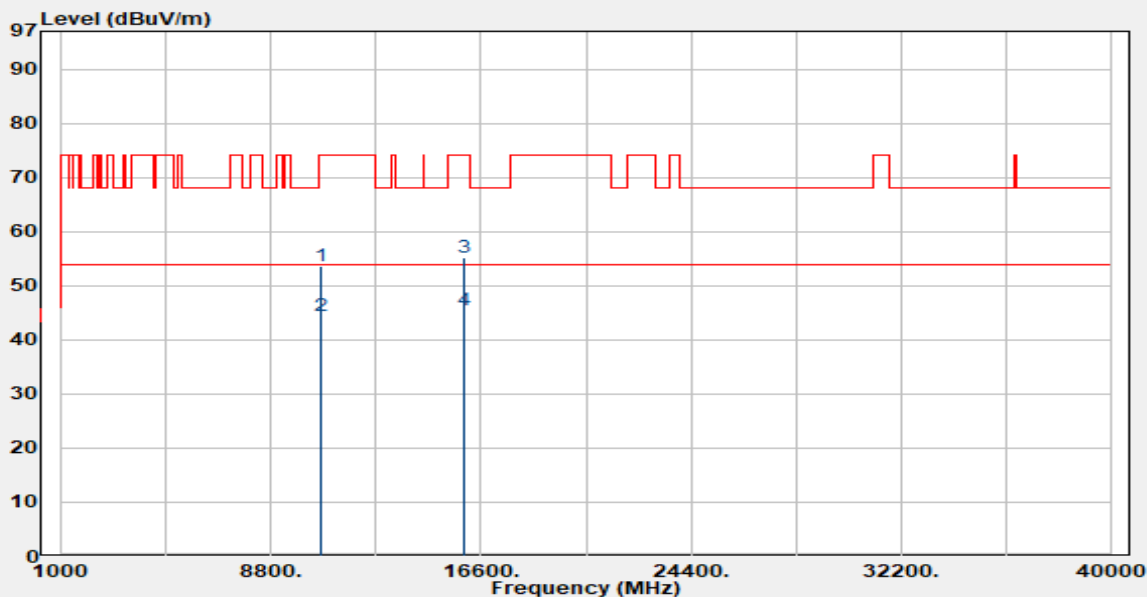
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10620.000	Peak	32.85	20.88	53.73	74.00	-20.27
10620.000	Average	23.52	20.88	44.40	54.00	-9.60
15930.000	Peak	32.64	22.53	55.17	74.00	-18.83
15930.000	Average	23.02	22.53	45.55	54.00	-8.45

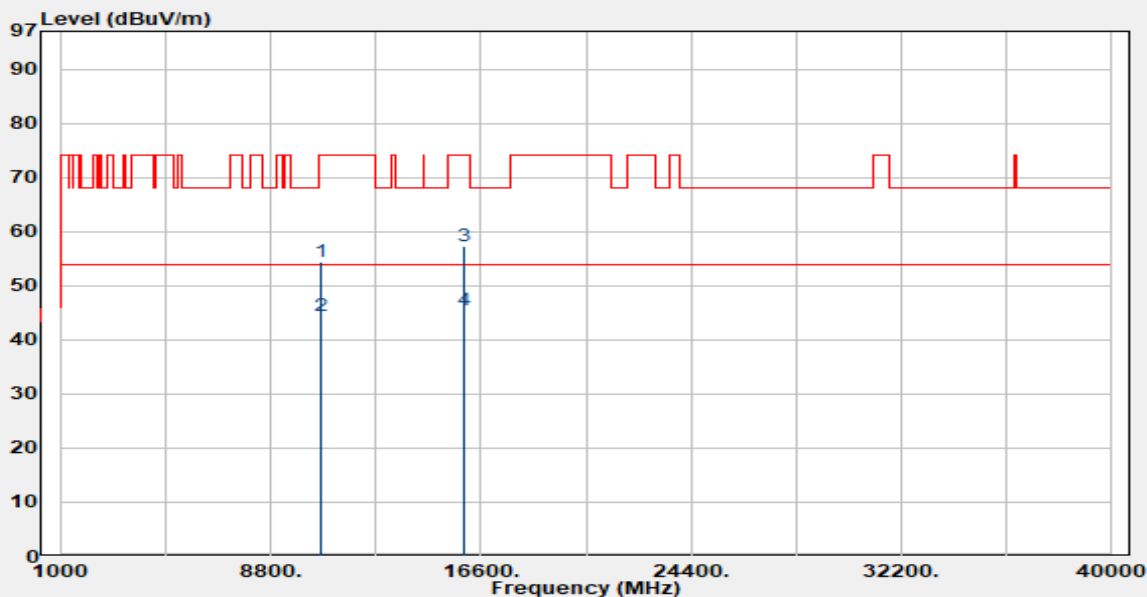
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10620.000	Peak	33.41	20.88	54.29	74.00	-19.71
10620.000	Average	23.55	20.88	44.43	54.00	-9.57
15930.000	Peak	34.64	22.53	57.18	74.00	-16.82
15930.000	Average	23.05	22.53	45.58	54.00	-8.42

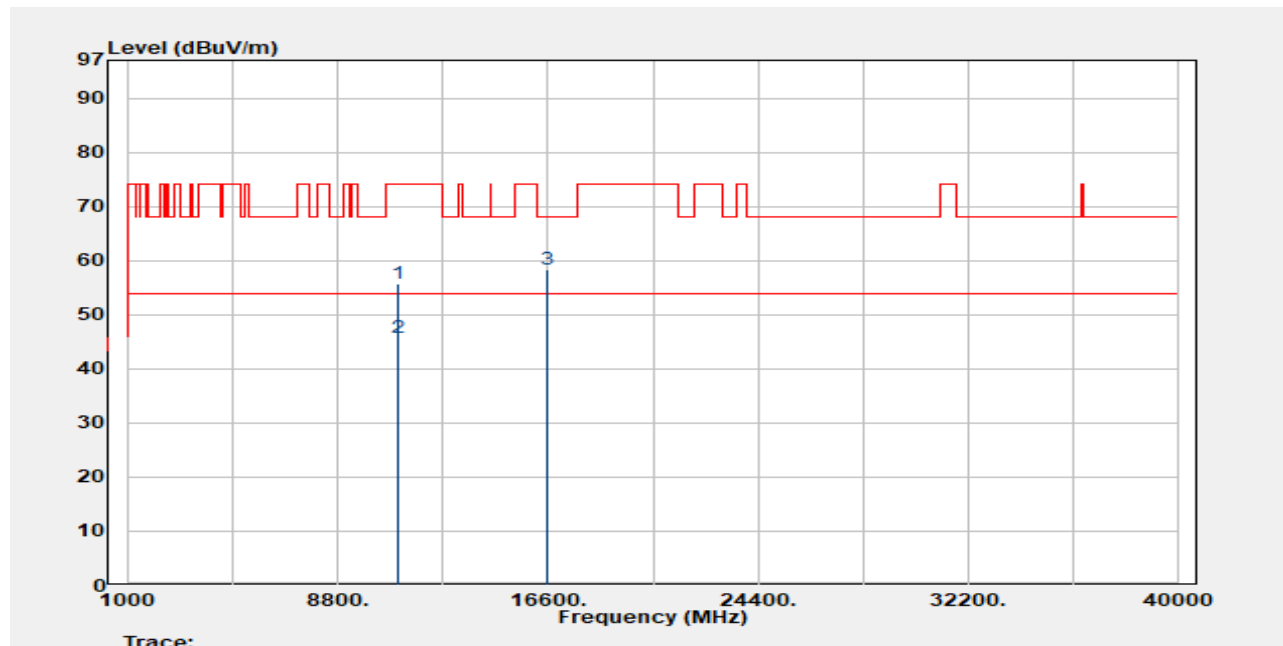
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11020.000	Peak	33.18	22.50	55.69	74.00	-18.31
11020.000	Average	23.31	22.50	45.81	54.00	-8.19
16530.000	Peak	32.37	25.91	58.28	68.20	-9.92

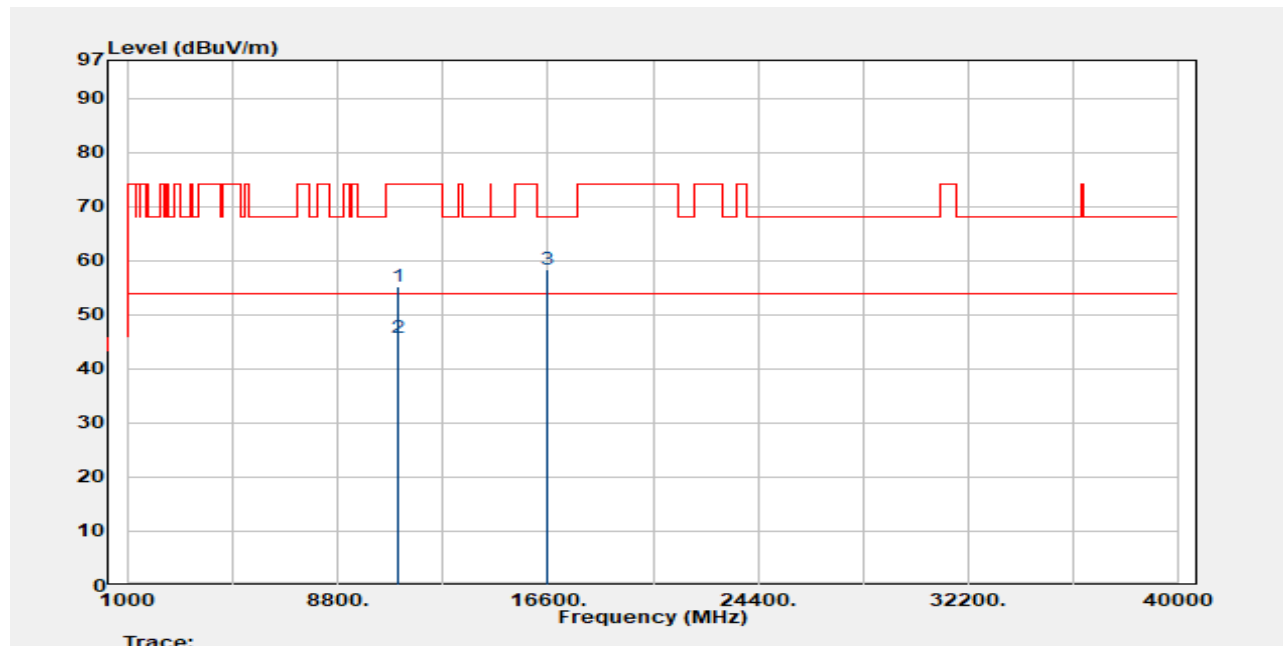
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11020.000	Peak	32.78	22.50	55.28	74.00	-18.72
11020.000	Average	23.32	22.50	45.82	54.00	-8.18
16530.000	Peak	32.33	25.91	58.24	68.20	-9.96

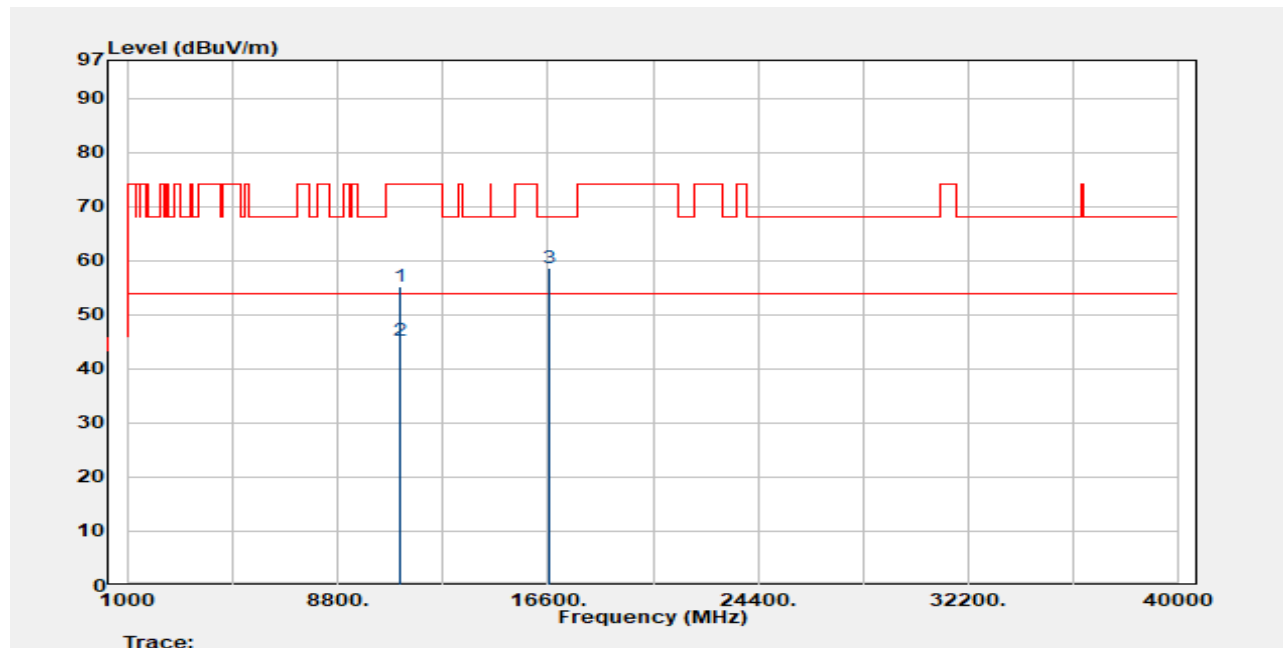
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5550 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11100.000	Peak	33.77	21.53	55.31	74.00	-18.69
11100.000	Average	23.57	21.53	45.10	54.00	-8.90
16650.000	Peak	32.34	26.29	58.63	68.20	-9.57

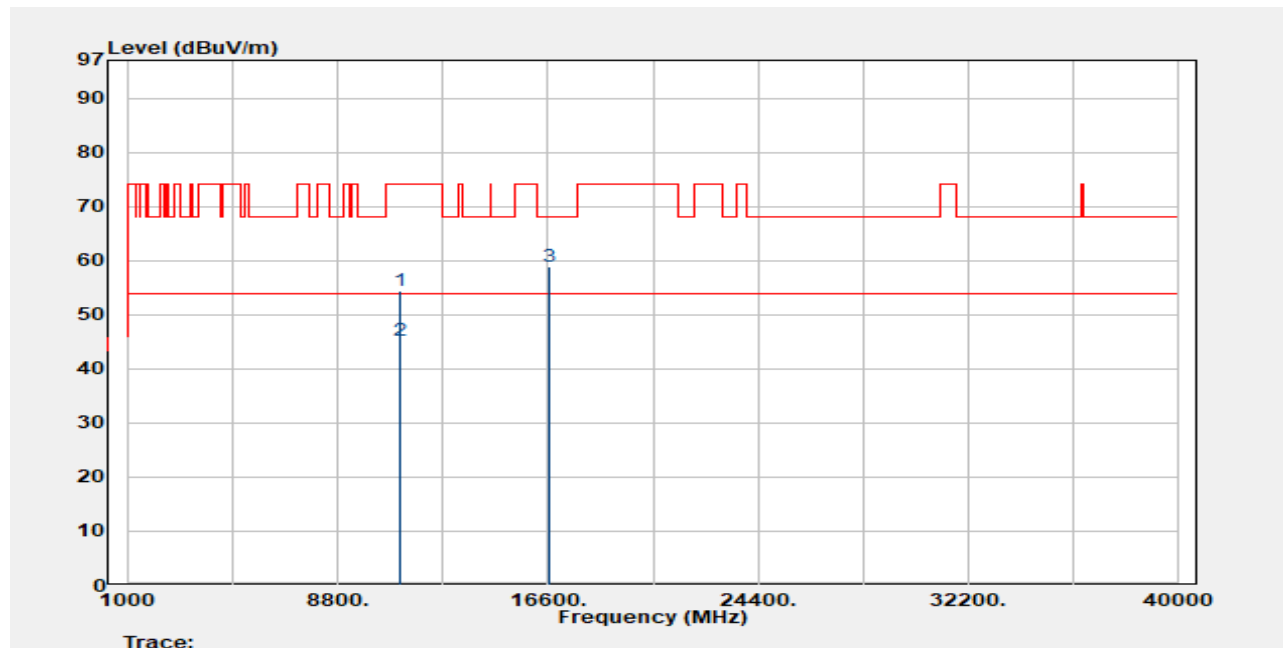
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5550 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11100.000	Peak	32.75	21.53	54.29	74.00	-19.71
11100.000	Average	23.55	21.53	45.08	54.00	-8.92
16650.000	Peak	32.46	26.29	58.75	68.20	-9.45

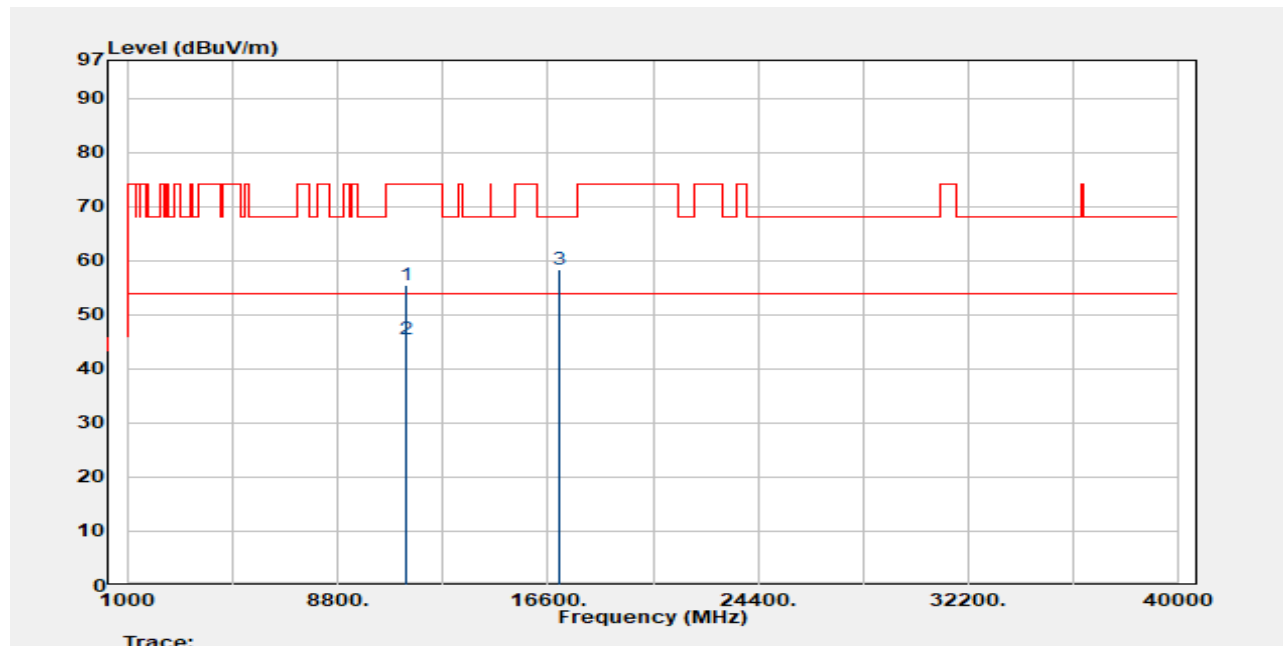
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11340.000	Peak	33.34	22.10	55.44	74.00	-18.56
11340.000	Average	23.49	22.10	45.59	54.00	-8.41
17010.000	Peak	31.37	27.10	58.47	68.20	-9.73

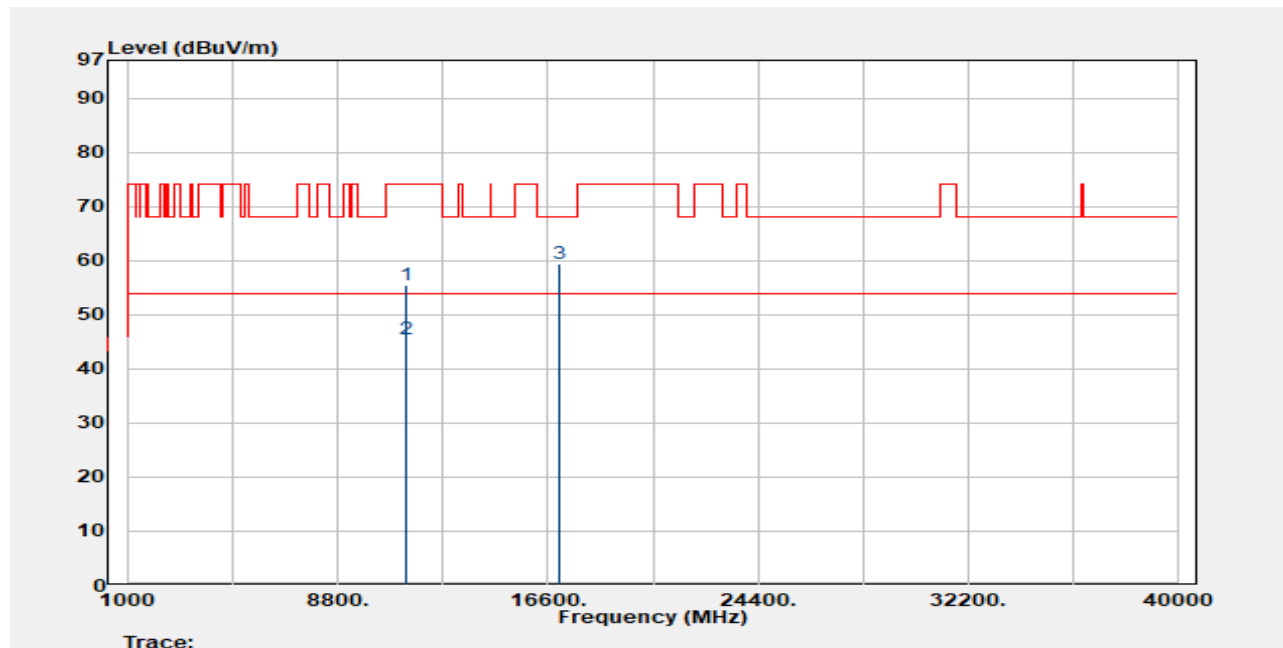
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11340.000	Peak	33.43	22.10	55.53	74.00	-18.47
11340.000	Average	23.51	22.10	45.61	54.00	-8.39
17010.000	Peak	32.41	27.10	59.51	68.20	-8.69

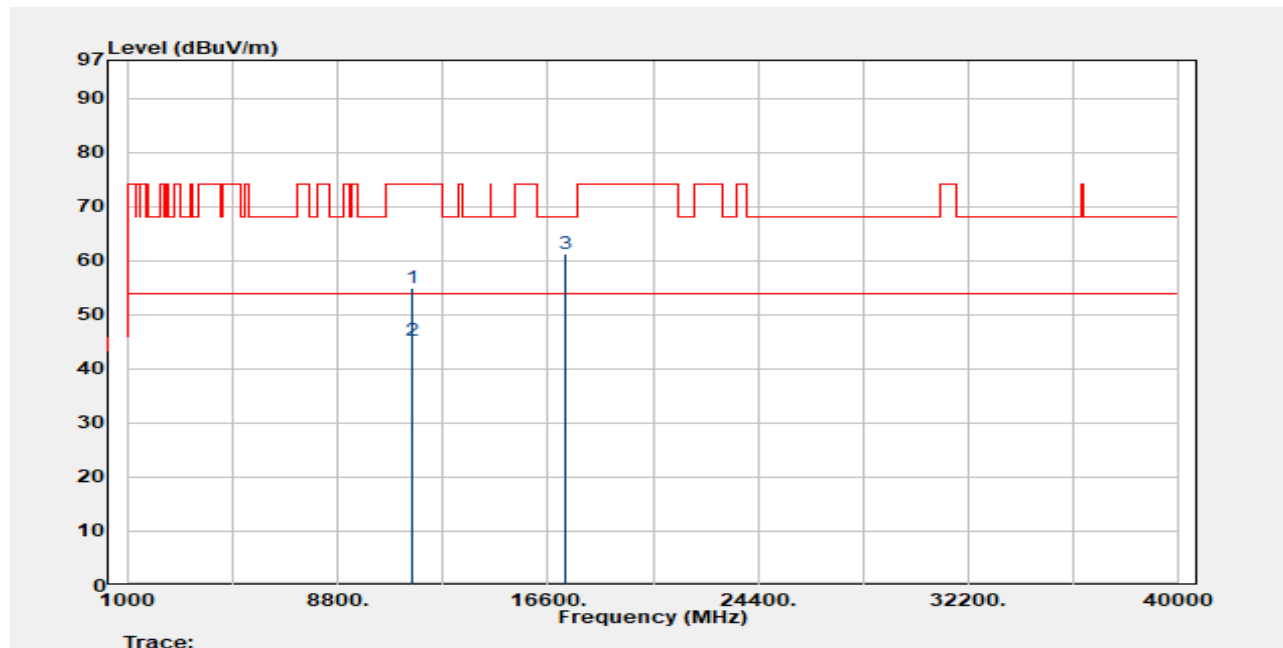
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11510.000	Peak	32.68	22.17	54.85	74.00	-19.15
11510.000	Average	22.95	22.17	45.12	54.00	-8.88
17265.000	Peak	32.62	28.72	61.34	68.20	-6.86

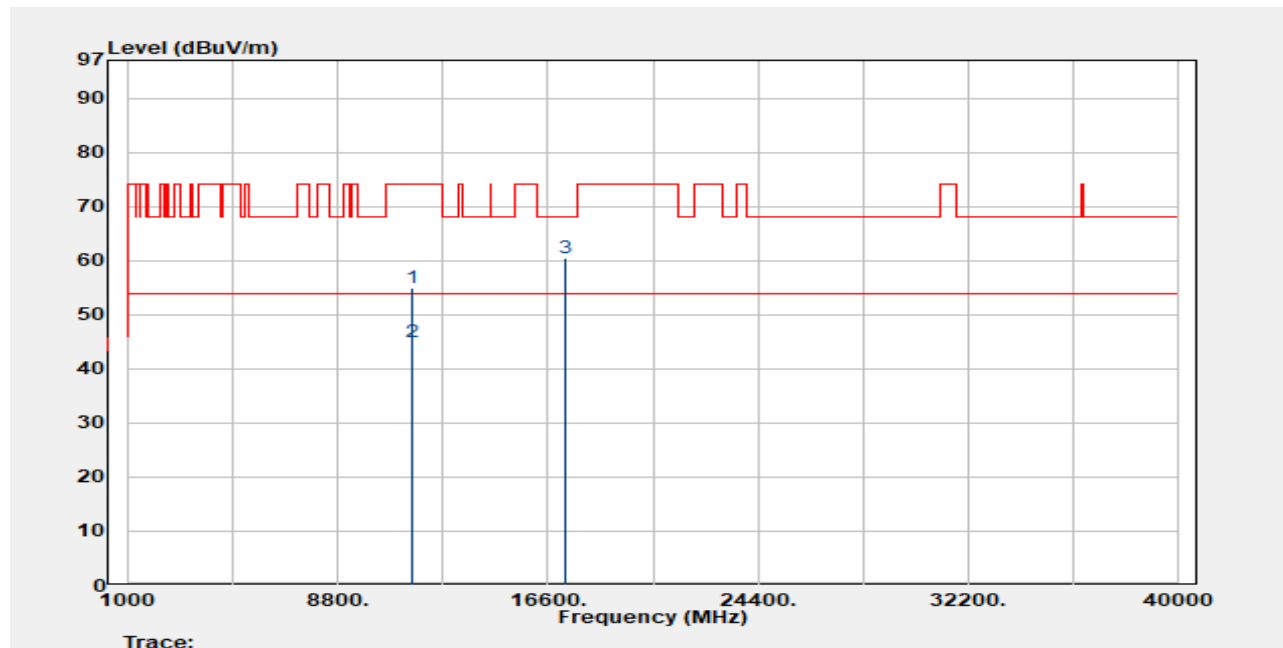
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11510.000	Peak	32.89	22.17	55.06	74.00	-18.94
11510.000	Average	22.83	22.17	45.00	54.00	-9.00
17265.000	Peak	31.84	28.72	60.56	68.20	-7.64

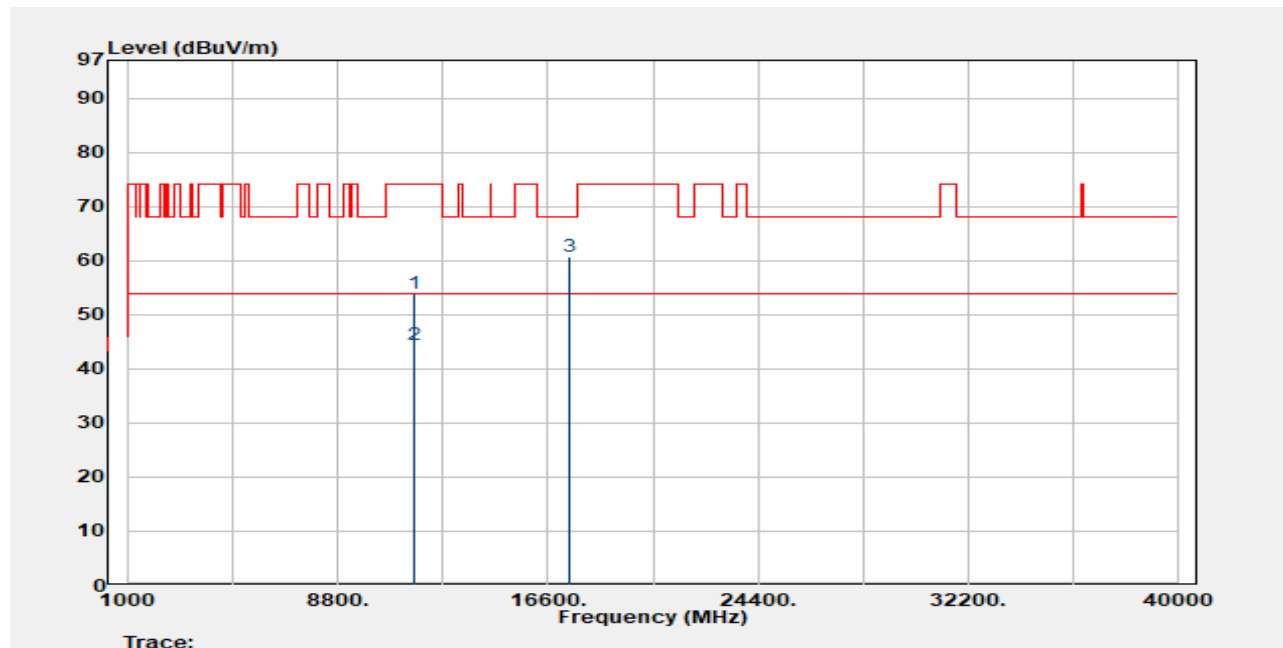
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11590.000	Peak	32.97	20.94	53.91	74.00	-20.09
11590.000	Average	23.37	20.94	44.31	54.00	-9.69
17385.000	Peak	31.31	29.30	60.61	68.20	-7.59

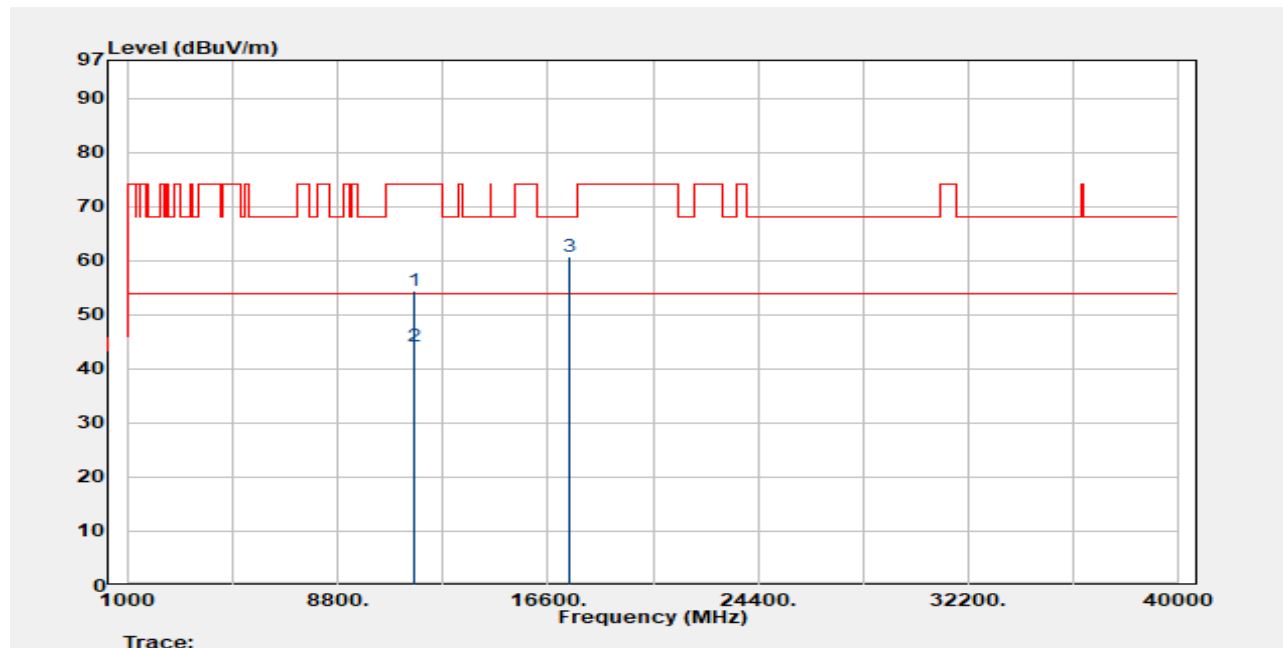
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Tx CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11590.000	Peak	33.42	20.94	54.35	74.00	-19.65
11590.000	Average	23.27	20.94	44.21	54.00	-9.79
17385.000	Peak	31.54	29.30	60.84	68.20	-7.36

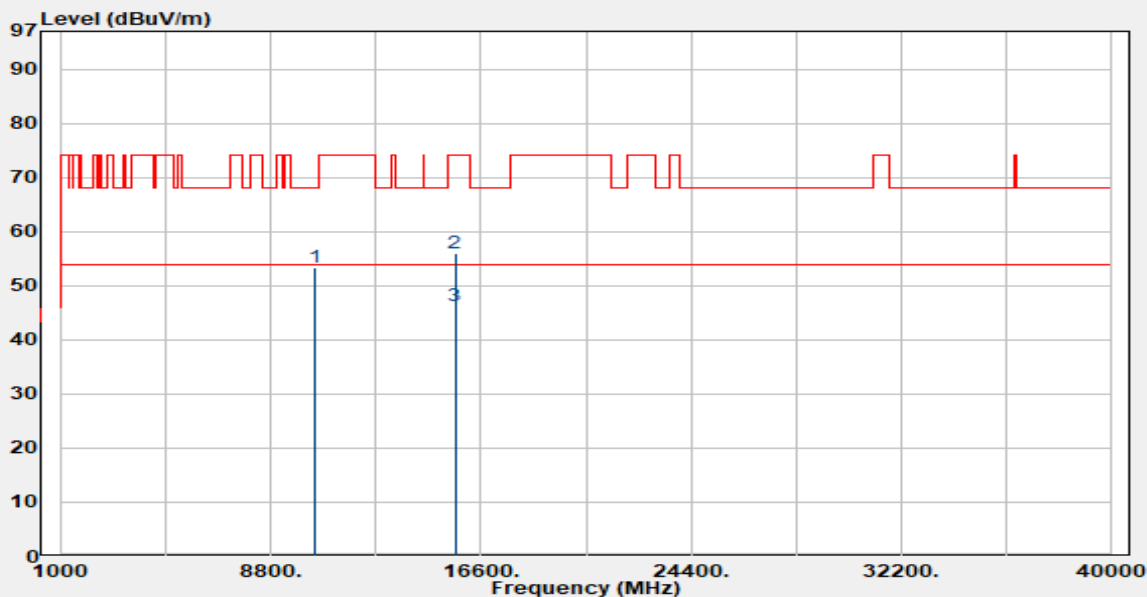
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10420.000	Peak	33.21	20.13	53.34	68.20	-14.86
15630.000	Peak	32.65	23.32	55.97	74.00	-18.03
15630.000	Average	22.85	23.32	46.17	54.00	-7.83

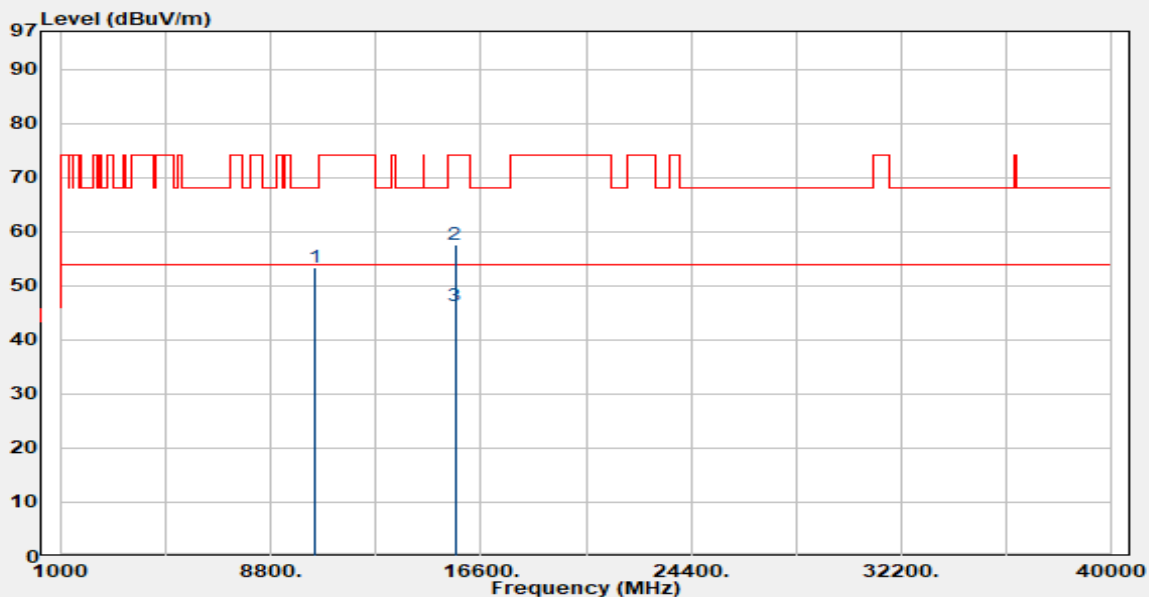
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5210 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10420.000	Peak	33.21	20.13	53.34	68.20	-14.86
15630.000	Peak	34.14	23.32	57.46	74.00	-16.54
15630.000	Average	22.82	23.32	46.14	54.00	-7.86

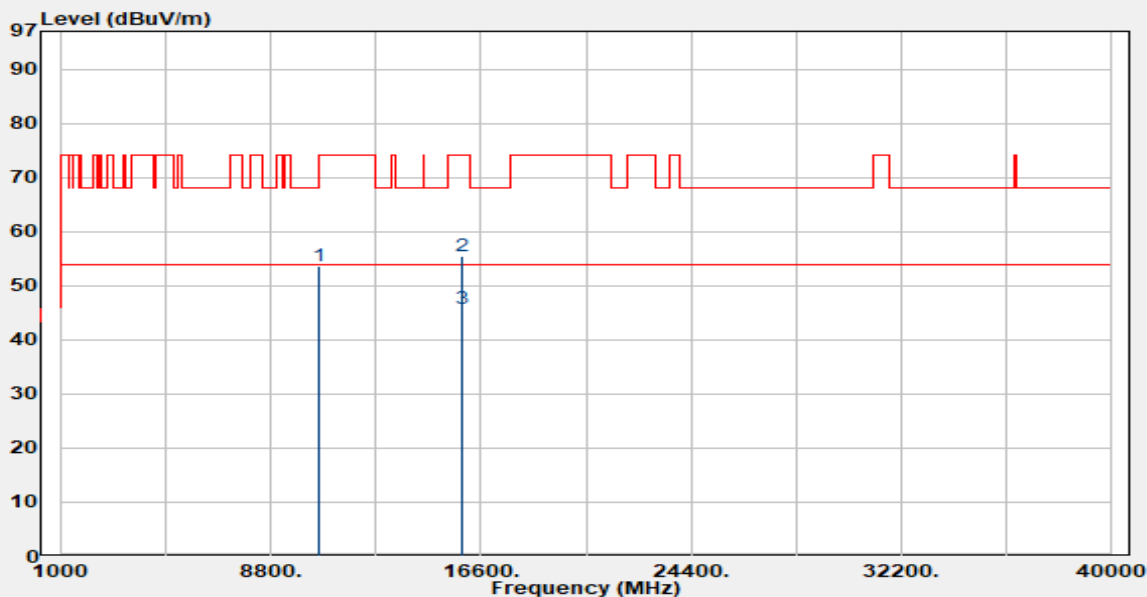
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
10580.000	Peak	32.87	20.78	53.66	68.20	-14.54
15870.000	Peak	32.49	22.87	55.36	74.00	-18.64
15870.000	Average	22.92	22.87	45.79	54.00	-8.21

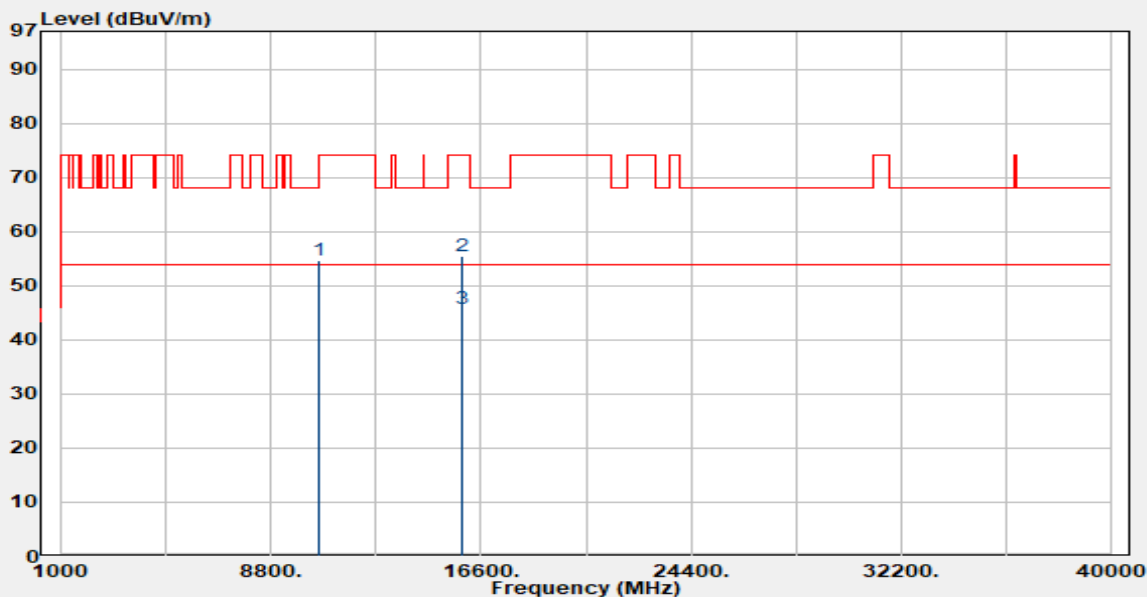
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
10580.000	Peak	33.78	20.78	54.56	68.20	-13.64
15870.000	Peak	32.71	22.87	55.58	74.00	-18.42
15870.000	Average	22.90	22.87	45.77	54.00	-8.23

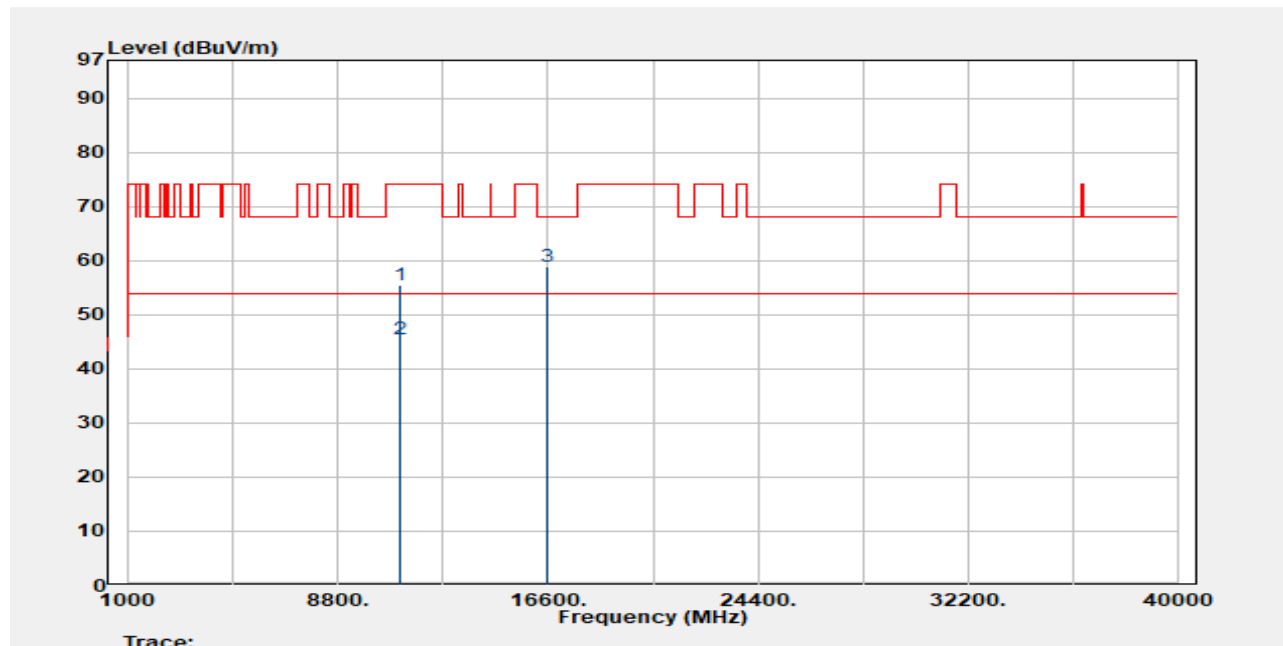
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11060.000	Peak	33.38	22.16	55.54	74.00	-18.46
11060.000	Average	23.26	22.16	45.42	54.00	-8.58
16590.000	Peak	33.21	25.75	58.96	68.20	-9.24

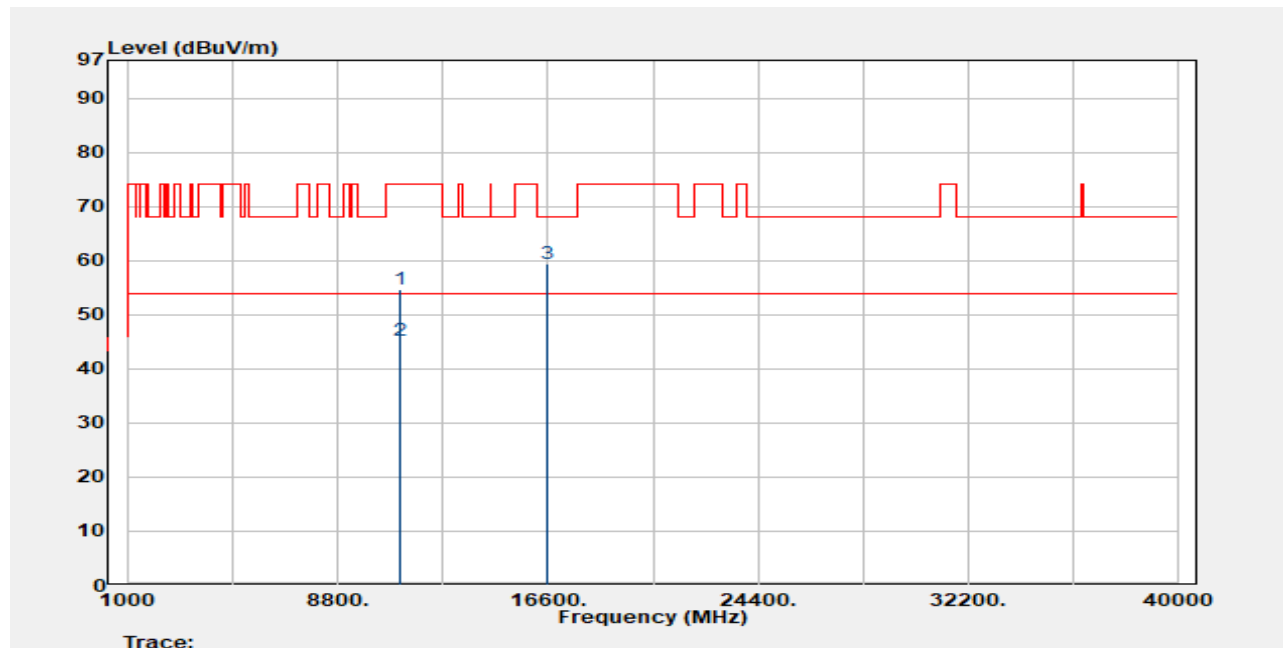
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11060.000	Peak	32.57	22.16	54.72	74.00	-19.28
11060.000	Average	23.16	22.16	45.32	54.00	-8.68
16590.000	Peak	33.55	25.75	59.30	68.20	-8.90

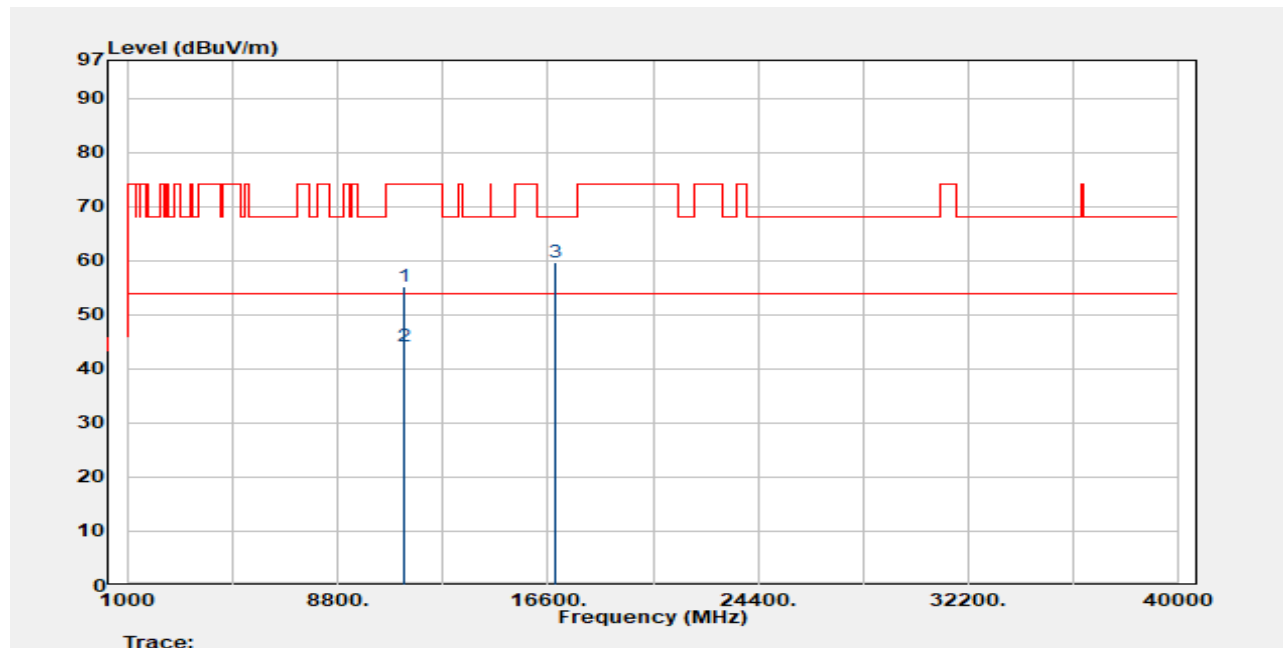
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11220.000	Peak	33.88	21.45	55.33	74.00	-18.67
11220.000	Average	22.63	21.45	44.08	54.00	-9.92
16830.000	Peak	31.84	27.84	59.68	68.20	-8.52

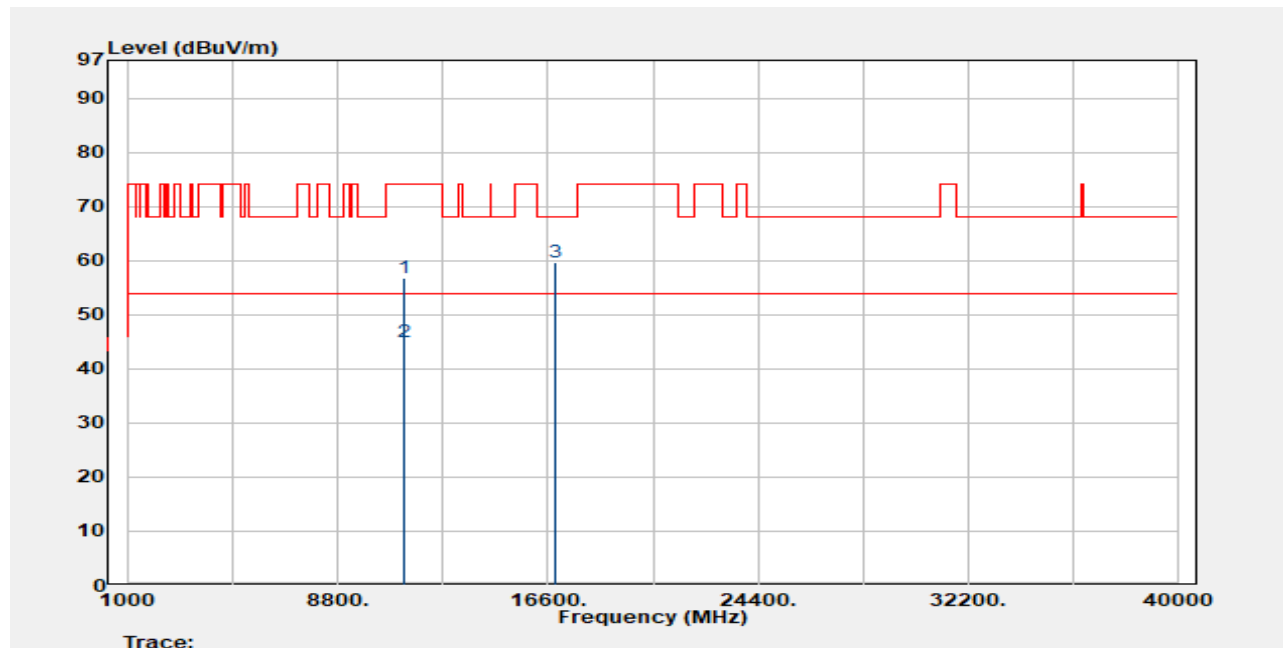
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Tx CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11220.000	Peak	35.43	21.45	56.88	74.00	-17.12
11220.000	Average	23.46	21.45	44.91	54.00	-9.09
16830.000	Peak	31.88	27.84	59.73	68.20	-8.47

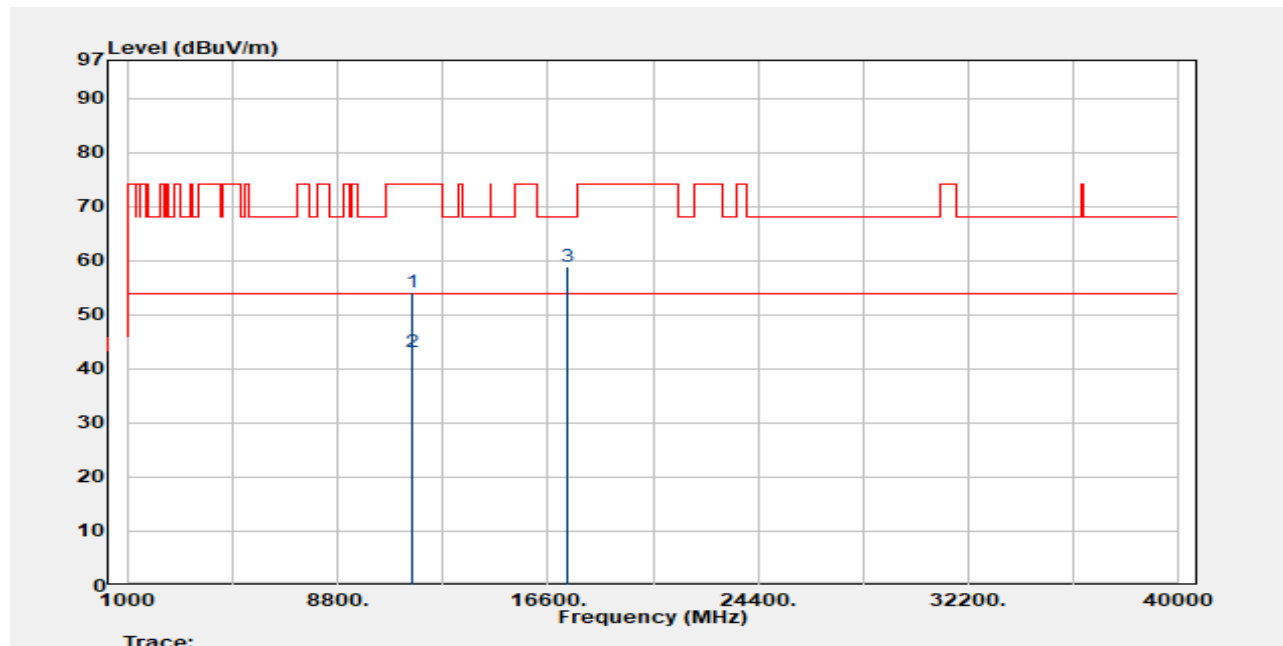
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
11550.000	Peak	33.91	20.30	54.21	74.00	-19.79
11550.000	Average	22.92	20.30	43.22	54.00	-10.78
17325.000	Peak	30.85	28.05	58.90	68.20	-9.30

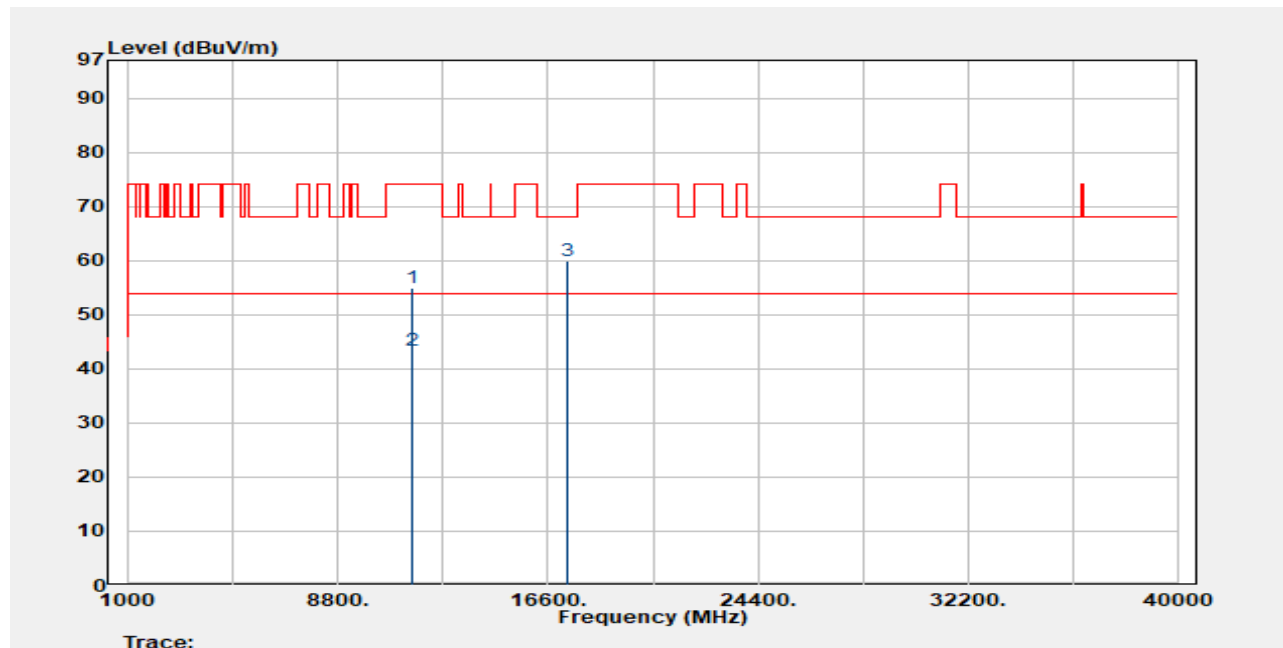
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Tx CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
11550.000	Peak	34.62	20.30	54.92	74.00	-19.08
11550.000	Average	22.97	20.30	43.27	54.00	-10.73
17325.000	Peak	31.89	28.05	59.94	68.20	-8.26

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11.6.2 Band edge falling to restricted band

11.6.2.1 FM4500F connect FM-SHARK-DUAL antenna

Report Number :ER/2021/A0117

Test Site :SAC 3

Operation Mode :802.11n20

Test Date :2022-02-23

Test Frequency :5180 MHz

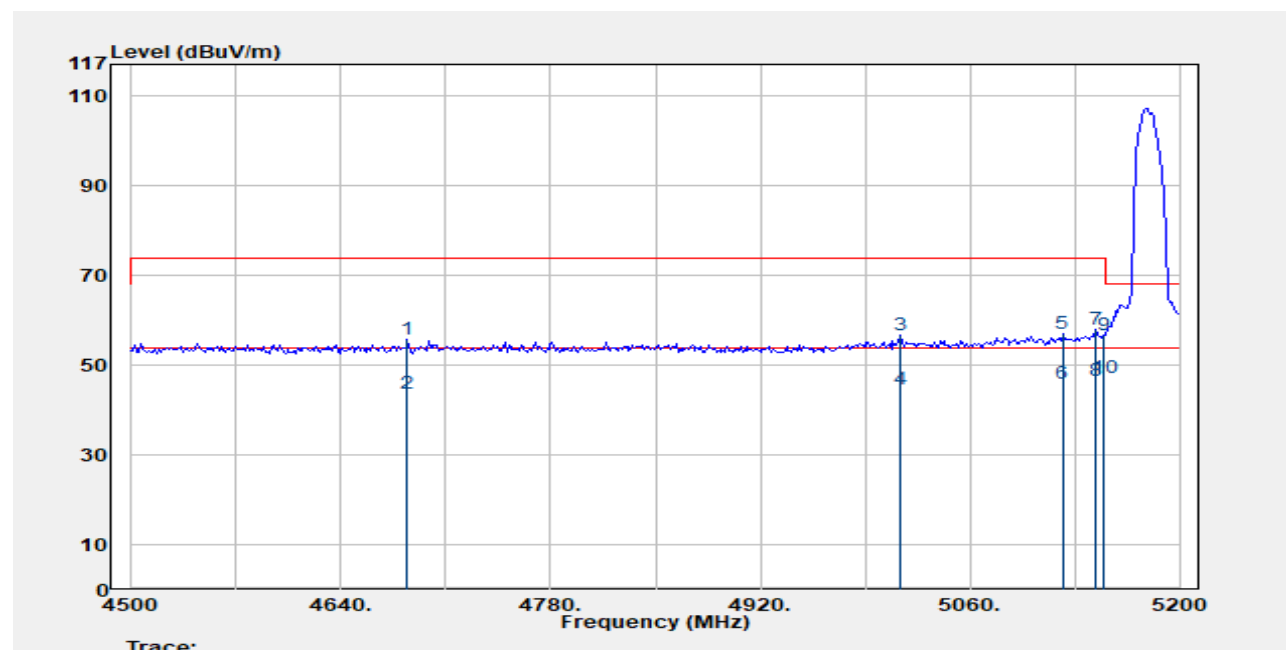
Temp./Humi. :19.5/63

Test Mode :Bandedge CH Low

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4684.333	Peak	48.84	6.99	55.83	74.00	-18.17
4684.333	Average	36.77	6.99	43.76	54.00	-10.24
5013.333	Peak	48.92	7.75	56.67	74.00	-17.33
5013.333	Average	36.85	7.75	44.60	54.00	-9.40
5121.833	Peak	48.67	8.37	57.04	74.00	-16.96
5121.833	Average	37.46	8.37	45.83	54.00	-8.17
5144.000	Peak	49.71	8.22	57.94	74.00	-16.06
5144.000	Average	38.25	8.22	46.47	54.00	-7.53
5150.000	Peak	48.44	8.19	56.63	74.00	-17.37
5150.000	Average	39.11	8.19	47.30	54.00	-6.70

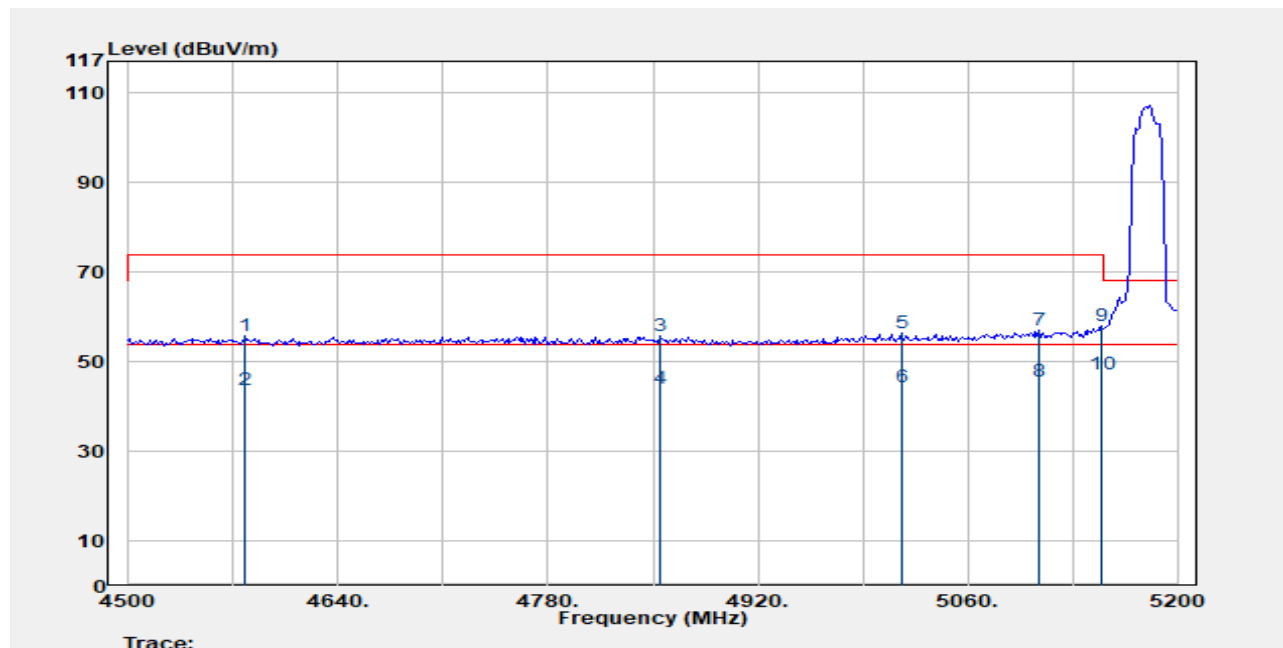
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5180 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4578.167	Peak	49.06	6.61	55.67	74.00	-18.33
4578.167	Average	37.23	6.61	43.84	54.00	-10.16
4854.667	Peak	48.43	7.38	55.81	74.00	-18.19
4854.667	Average	36.71	7.38	44.09	54.00	-9.91
5015.667	Peak	48.67	7.76	56.43	74.00	-17.57
5015.667	Average	36.76	7.76	44.52	54.00	-9.48
5107.833	Peak	48.74	8.46	57.20	74.00	-16.80
5107.833	Average	37.10	8.46	45.56	54.00	-8.44
5150.000	Peak	49.83	8.19	58.01	74.00	-15.99
5150.000	Average	39.10	8.19	47.29	54.00	-6.71

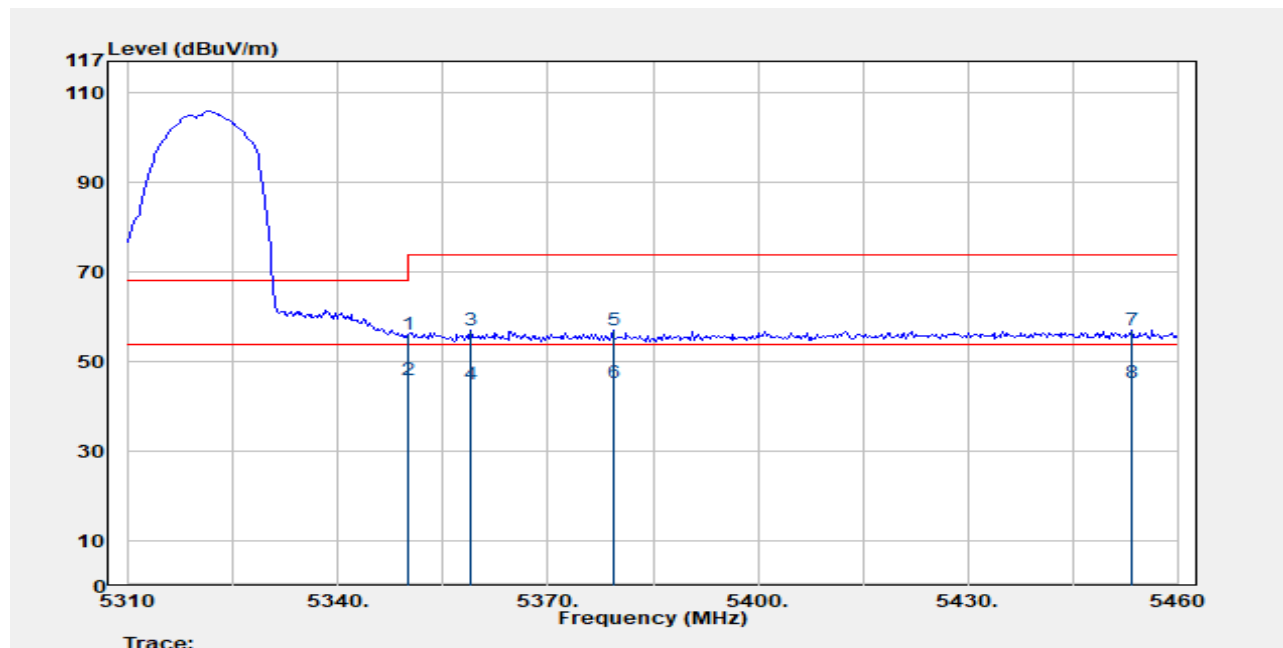
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5320 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	48.26	7.74	56.00	74.00	-18.00
5350.000	Average	38.16	7.74	45.90	54.00	-8.10
5359.000	Peak	49.08	7.83	56.91	74.00	-17.09
5359.000	Average	37.33	7.83	45.16	54.00	-8.84
5379.250	Peak	49.09	8.04	57.12	74.00	-16.88
5379.250	Average	37.16	8.04	45.20	54.00	-8.80
5453.500	Peak	48.31	8.73	57.04	74.00	-16.96
5453.500	Average	36.77	8.73	45.50	54.00	-8.50

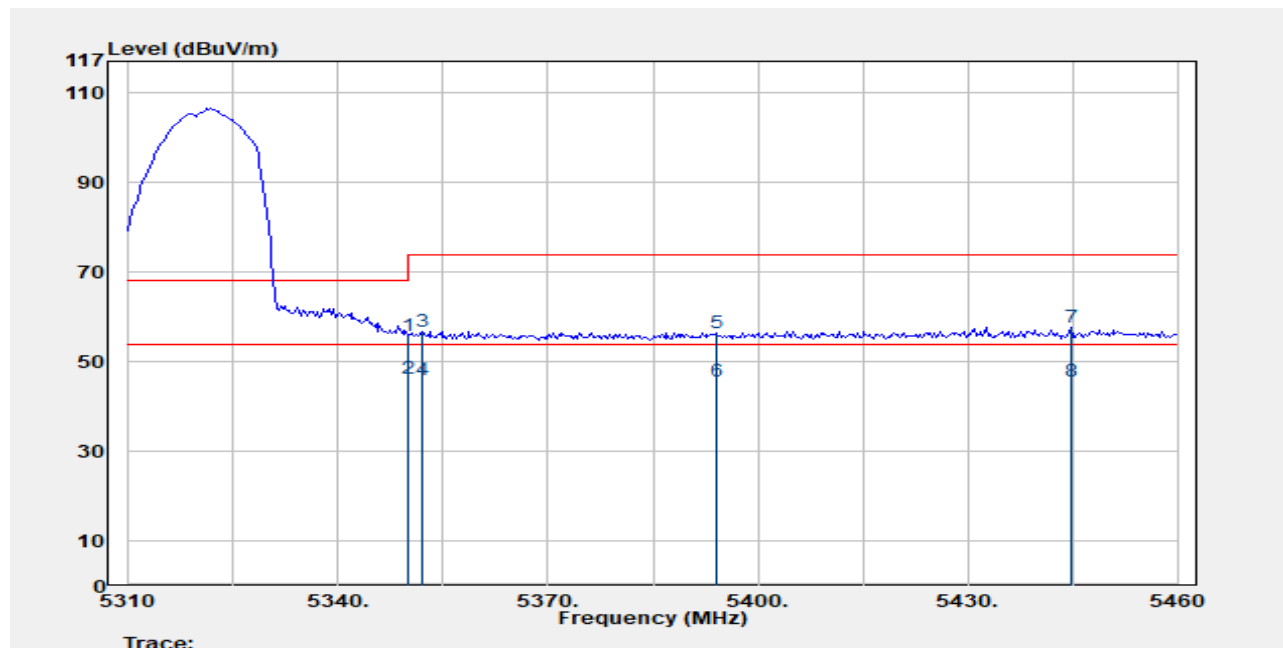
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Report Number :ER/2021/A0117
Operation Mode :802.11n20
Test Frequency :5320 MHz
Test Mode :Bandedge CH High
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-23
Temp./Humi. :19.5/63
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	48.03	7.74	55.77	74.00	-18.23
5350.000	Average	38.43	7.74	46.17	54.00	-7.83
5352.000	Peak	48.94	7.76	56.71	74.00	-17.29
5352.000	Average	38.19	7.76	45.95	54.00	-8.05
5394.000	Peak	48.40	8.18	56.58	74.00	-17.42
5394.000	Average	37.34	8.18	45.52	54.00	-8.48
5444.750	Peak	49.00	8.71	57.71	74.00	-16.29
5444.750	Average	37.09	8.71	45.80	54.00	-8.20

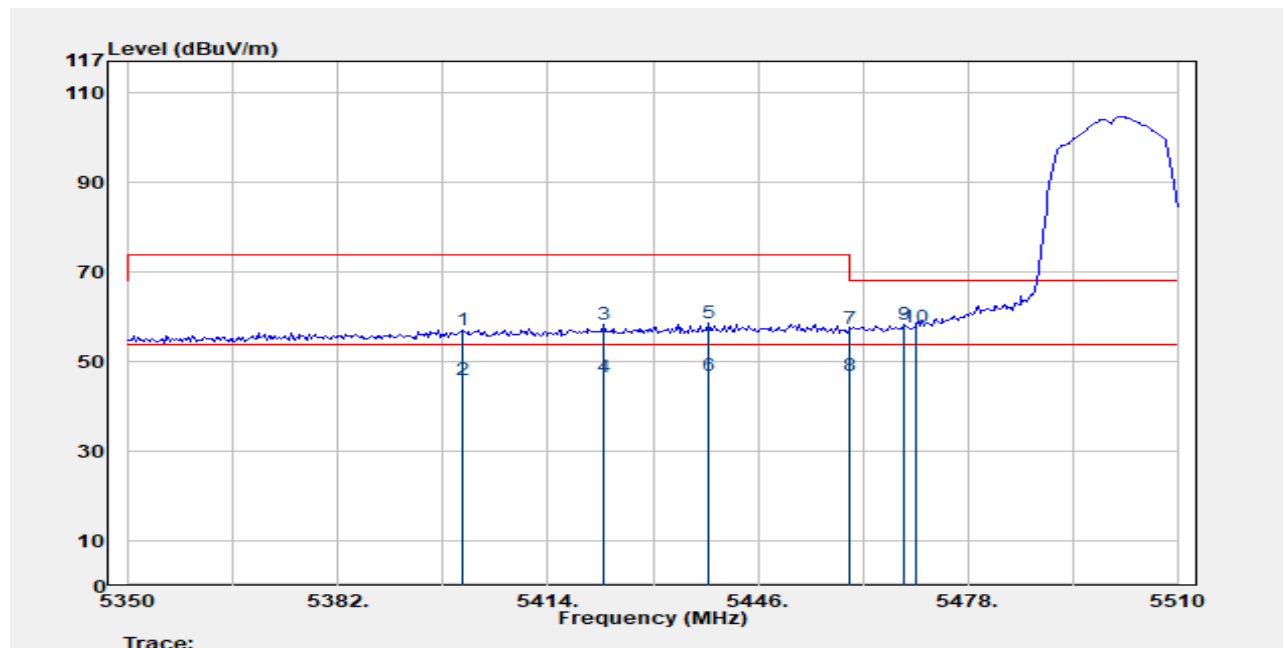
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5400.933	Peak	48.97	8.25	57.23	74.00	-16.77
5400.933	Average	37.65	8.25	45.90	54.00	-8.10
5422.533	Peak	49.73	8.48	58.21	74.00	-15.79
5422.533	Average	38.16	8.48	46.64	54.00	-7.36
5438.533	Peak	49.86	8.64	58.50	74.00	-15.50
5438.533	Average	38.25	8.64	46.89	54.00	-7.11
5460.000	Peak	48.75	8.66	57.40	74.00	-16.60
5460.000	Average	38.38	8.66	47.04	54.00	-6.96
5468.400	Peak	49.73	8.57	58.30	68.20	-9.90
5470.000	Peak	49.03	8.56	57.59	68.20	-10.61

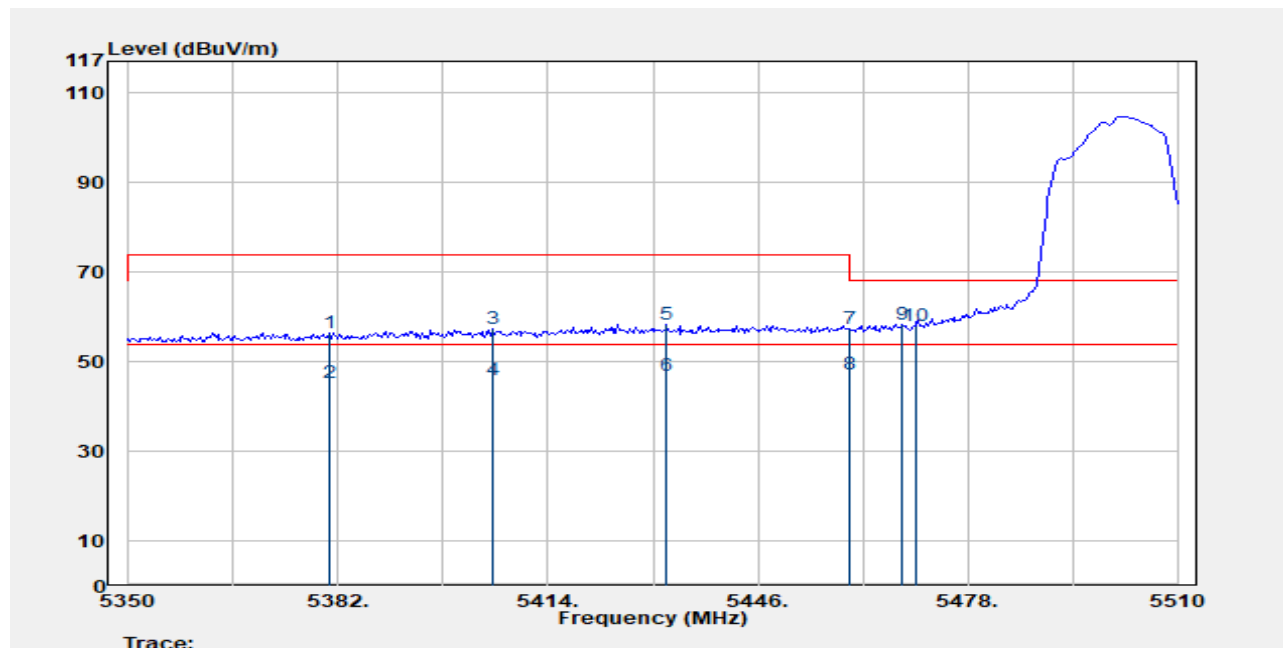
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5500 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5380.667	Peak	48.40	8.05	56.45	74.00	-17.55
5380.667	Average	37.19	8.05	45.24	54.00	-8.76
5405.467	Peak	49.15	8.30	57.45	74.00	-16.55
5405.467	Average	37.68	8.30	45.98	54.00	-8.02
5432.133	Peak	49.80	8.58	58.38	74.00	-15.62
5432.133	Average	38.26	8.58	46.84	54.00	-7.16
5460.000	Peak	48.59	8.66	57.25	74.00	-16.75
5460.000	Average	38.44	8.66	47.10	54.00	-6.90
5468.133	Peak	49.85	8.57	58.43	68.20	-9.77
5470.000	Peak	49.34	8.56	57.89	68.20	-10.31

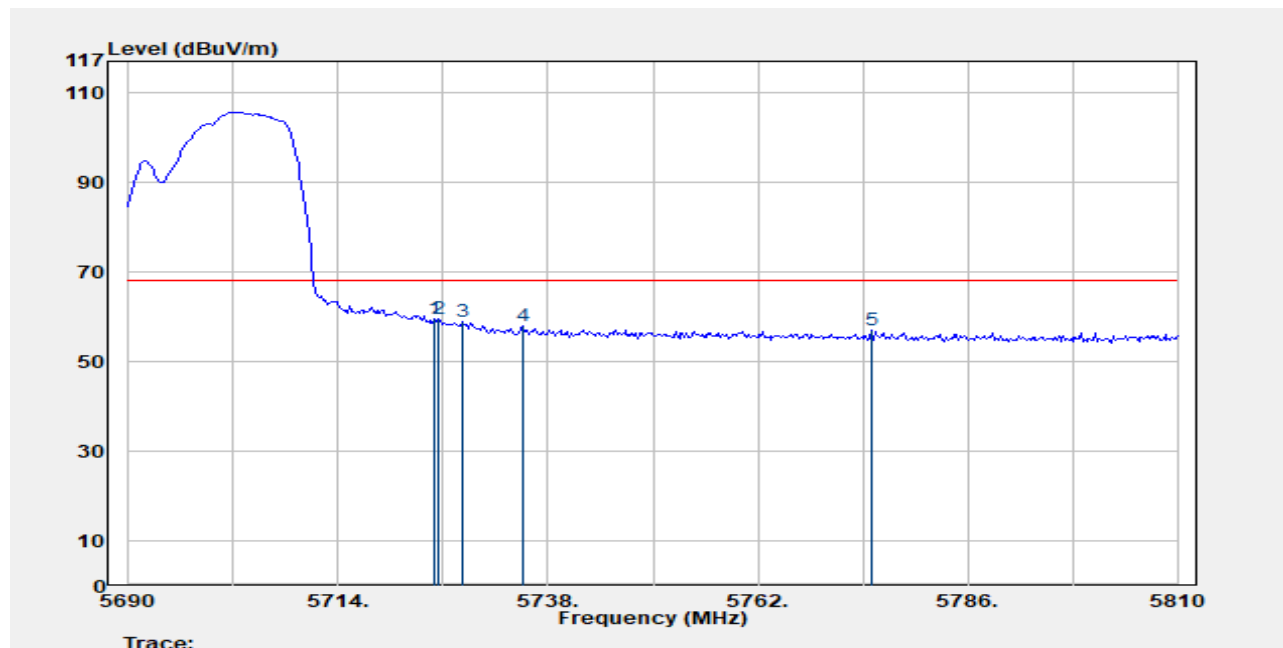
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	50.65	8.84	59.49	68.20	-8.71
5725.400	Peak	50.80	8.85	59.65	68.20	-8.55
5728.200	Peak	50.21	8.87	59.08	68.20	-9.12
5735.200	Peak	49.25	8.93	58.18	68.20	-10.02
5775.000	Peak	48.38	8.70	57.08	68.20	-11.12

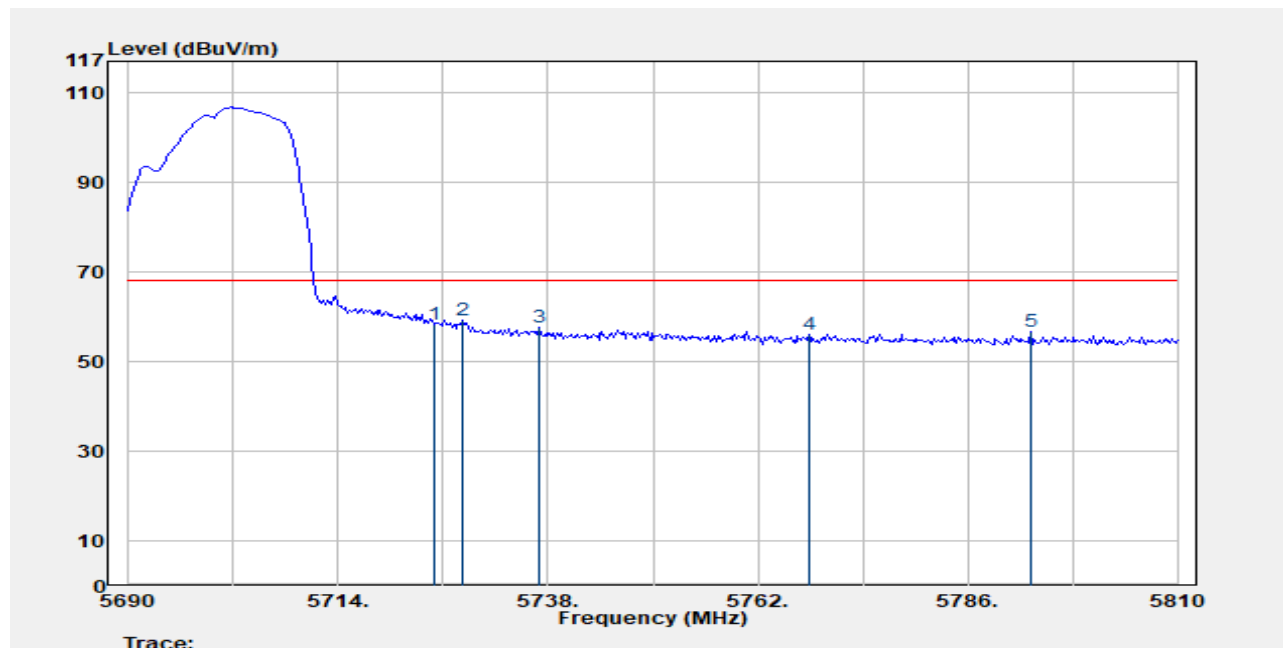
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5700 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	49.61	8.84	58.45	68.20	-9.75
5728.200	Peak	50.28	8.87	59.15	68.20	-9.05
5737.000	Peak	48.67	8.94	57.62	68.20	-10.58
5767.800	Peak	47.44	8.80	56.25	68.20	-11.95
5793.200	Peak	48.39	8.45	56.84	68.20	-11.36

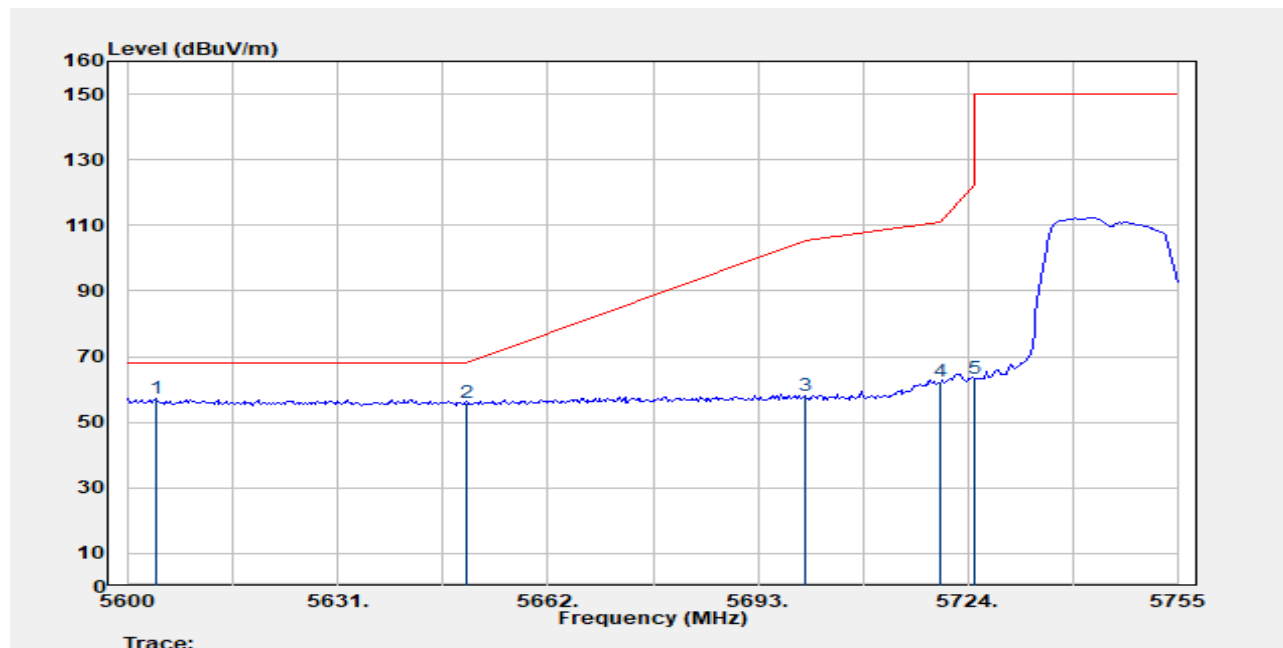
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5604.133	Peak	48.66	8.61	57.27	68.20	-10.93
5650.000	Peak	47.88	7.97	55.85	68.20	-12.35
5700.000	Peak	49.25	8.64	57.89	105.20	-47.31
5720.000	Peak	53.60	8.80	62.40	110.80	-48.40
5725.000	Peak	54.51	8.84	63.35	122.20	-58.85

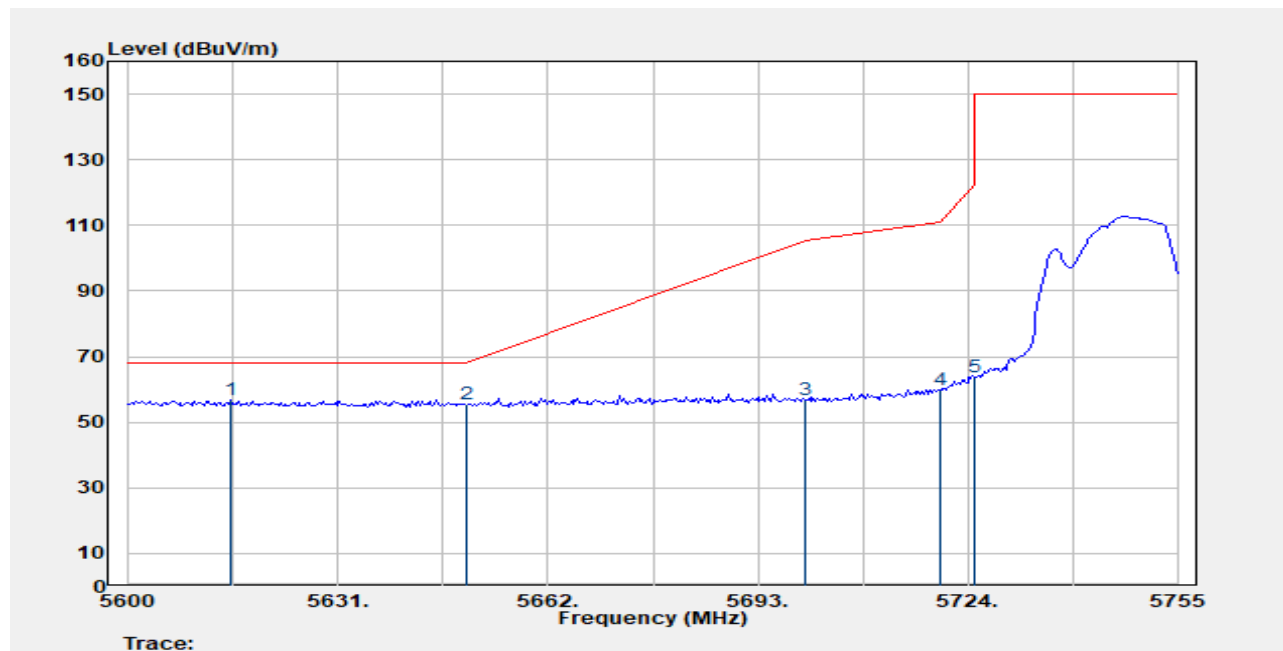
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5745 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5614.983	Peak	48.13	8.46	56.59	68.20	-11.61
5650.000	Peak	47.34	7.97	55.31	68.20	-12.89
5700.000	Peak	48.00	8.64	56.64	105.20	-48.56
5720.000	Peak	51.14	8.80	59.94	110.80	-50.86
5725.000	Peak	55.10	8.84	63.94	122.20	-58.26

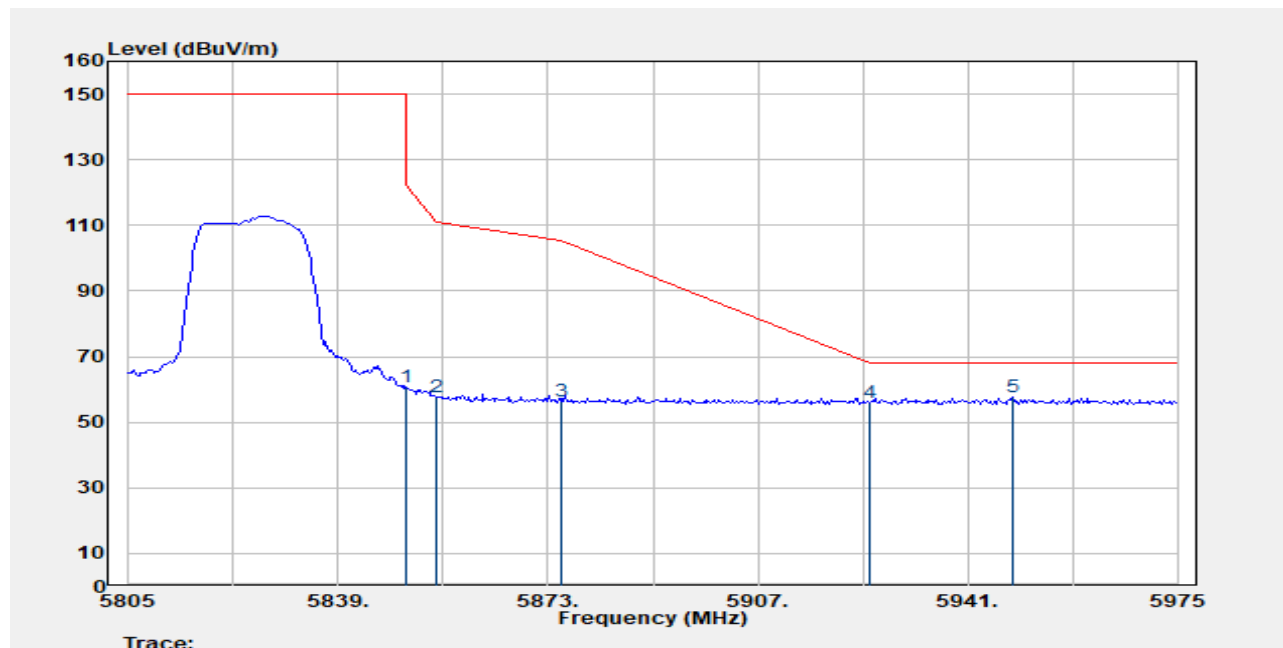
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.000	Peak	51.52	9.18	60.69	122.20	-61.51
5855.000	Peak	48.54	9.23	57.77	110.80	-53.03
5875.000	Peak	46.90	9.43	56.33	105.20	-48.87
5925.000	Peak	46.32	9.65	55.97	68.20	-12.23
5948.367	Peak	48.11	9.61	57.72	68.20	-10.48

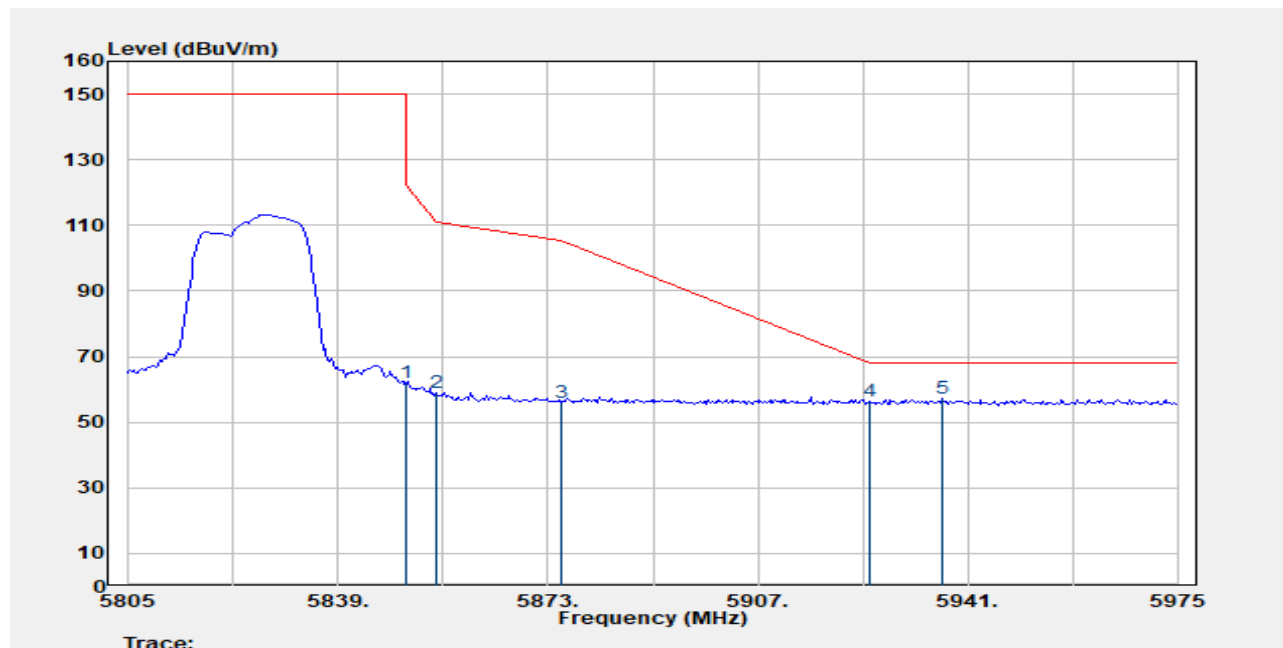
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Report Number :ER/2021/A0117
 Operation Mode :802.11n20
 Test Frequency :5825 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.000	Peak	52.90	9.18	62.08	122.20	-60.12
5855.000	Peak	49.91	9.23	59.14	110.80	-51.66
5875.000	Peak	46.70	9.43	56.13	105.20	-49.07
5925.000	Peak	46.62	9.65	56.27	68.20	-11.93
5936.750	Peak	47.65	9.63	57.28	68.20	-10.92

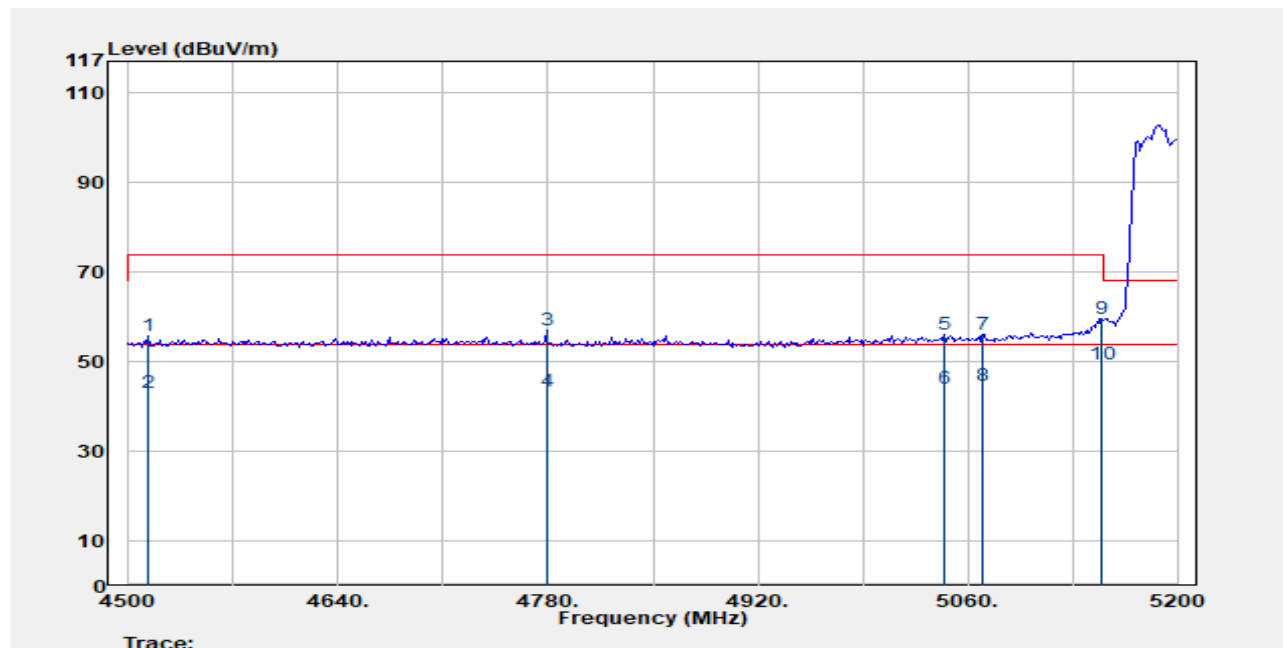
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4512.833	Peak	49.35	6.52	55.87	74.00	-18.13
4512.833	Average	36.72	6.52	43.24	54.00	-10.76
4778.833	Peak	49.99	7.09	57.08	74.00	-16.92
4778.833	Average	36.22	7.09	43.31	54.00	-10.69
5044.833	Peak	48.20	7.93	56.13	74.00	-17.87
5044.833	Average	36.28	7.93	44.21	54.00	-9.79
5070.500	Peak	47.99	8.19	56.18	74.00	-17.82
5070.500	Average	36.48	8.19	44.67	54.00	-9.33
5150.000	Peak	51.40	8.19	59.58	74.00	-14.42
5150.000	Average	41.14	8.19	49.33	54.00	-4.67

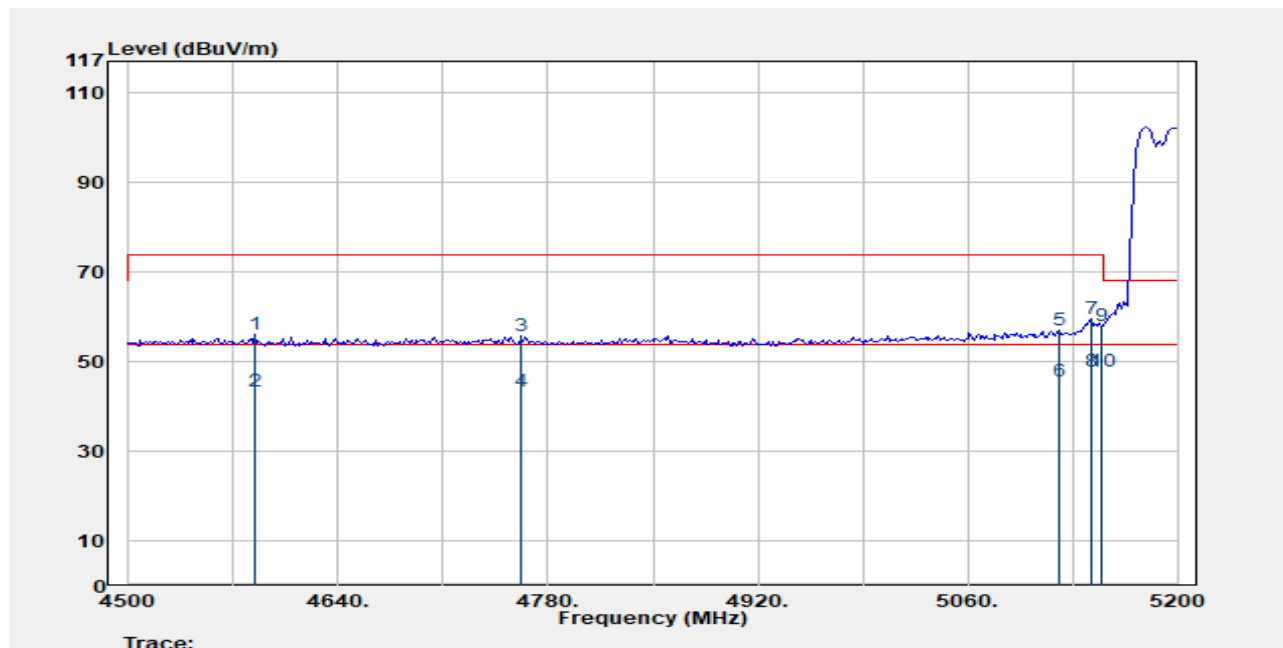
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5190 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
4584.000	Peak	49.52	6.59	56.12	74.00	-17.88
4584.000	Average	36.91	6.59	43.50	54.00	-10.50
4762.500	Peak	48.55	7.18	55.73	74.00	-18.27
4762.500	Average	36.31	7.18	43.49	54.00	-10.51
5120.667	Peak	48.64	8.38	57.02	74.00	-16.98
5120.667	Average	37.25	8.38	45.63	54.00	-8.37
5142.833	Peak	51.33	8.23	59.56	74.00	-14.44
5142.833	Average	39.79	8.23	48.02	54.00	-5.98
5150.000	Peak	49.91	8.19	58.10	74.00	-15.90
5150.000	Average	39.75	8.19	47.94	54.00	-6.06

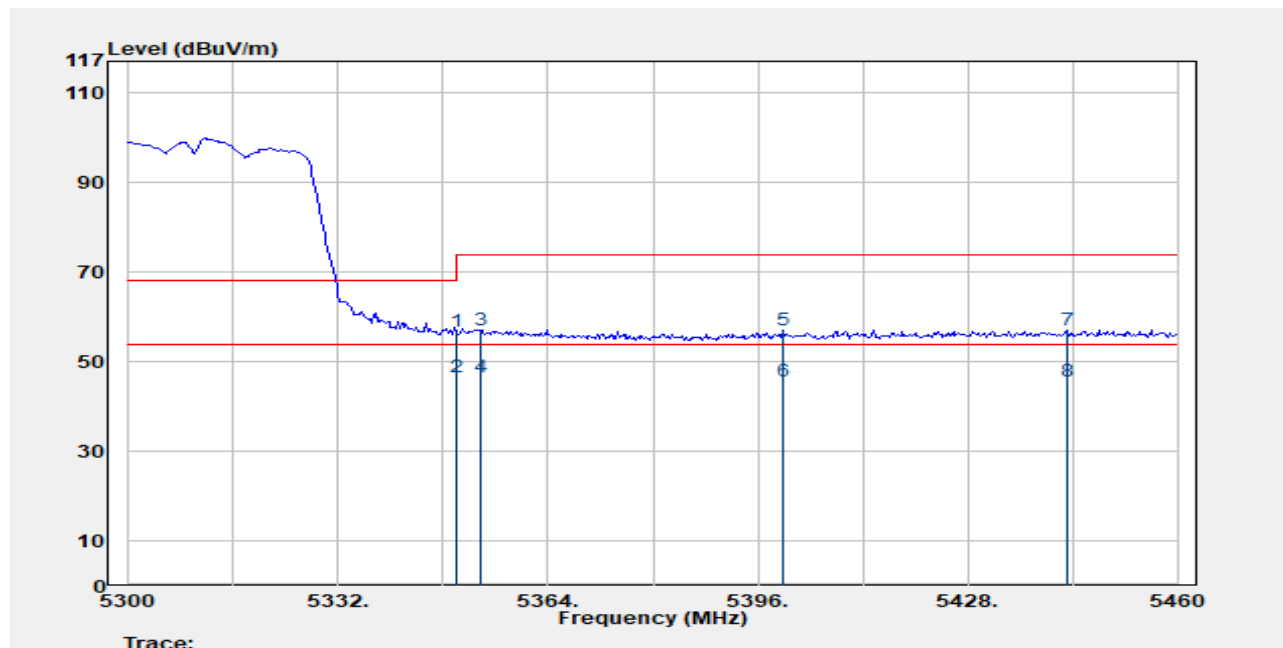
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	49.03	7.74	56.78	74.00	-17.22
5350.000	Average	38.82	7.74	46.56	54.00	-7.44
5353.600	Peak	49.36	7.78	57.14	74.00	-16.86
5353.600	Average	38.92	7.78	46.70	54.00	-7.30
5399.733	Peak	48.98	8.24	57.22	74.00	-16.78
5399.733	Average	37.29	8.24	45.53	54.00	-8.47
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5443.200	Average	36.82	8.69	45.51	54.00	-8.49

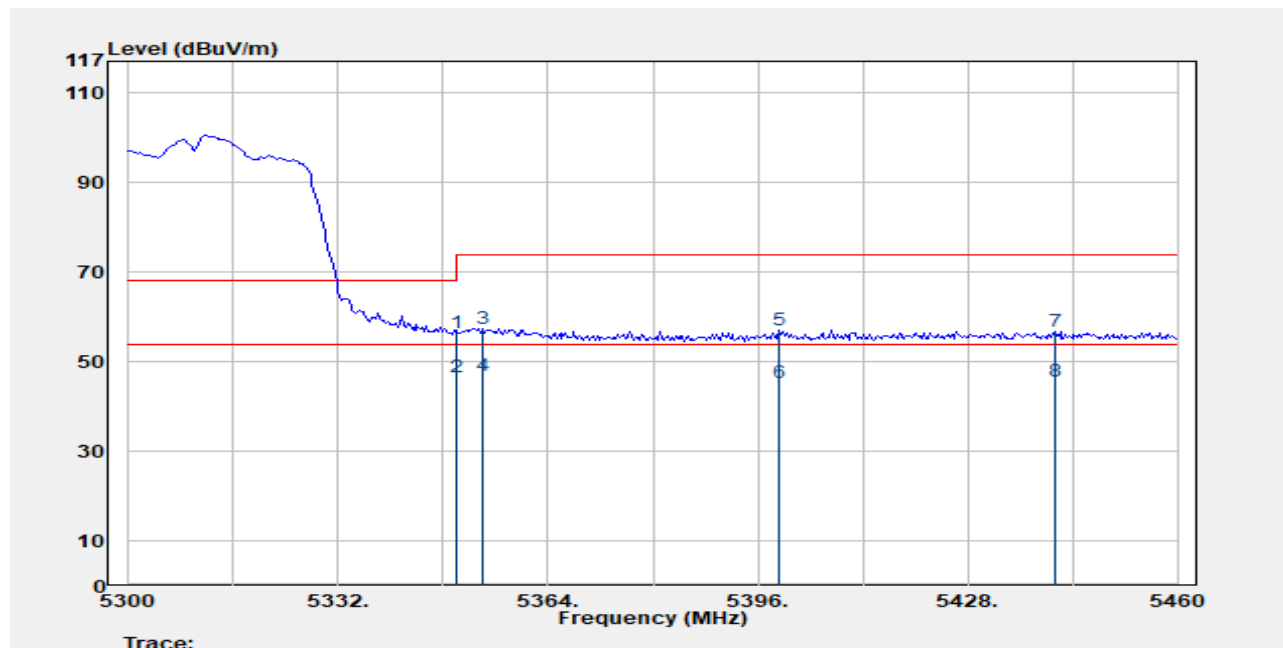
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5310 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	48.64	7.74	56.38	74.00	-17.62
5350.000	Average	38.96	7.74	46.70	54.00	-7.30
5354.133	Peak	49.76	7.79	57.54	74.00	-16.46
5354.133	Average	39.02	7.79	46.81	54.00	-7.19
5399.200	Peak	48.72	8.24	56.96	74.00	-17.04
5399.200	Average	37.26	8.24	45.50	54.00	-8.50
5441.333	Peak	48.15	8.67	56.83	74.00	-17.17
5441.333	Average	36.89	8.67	45.56	54.00	-8.44

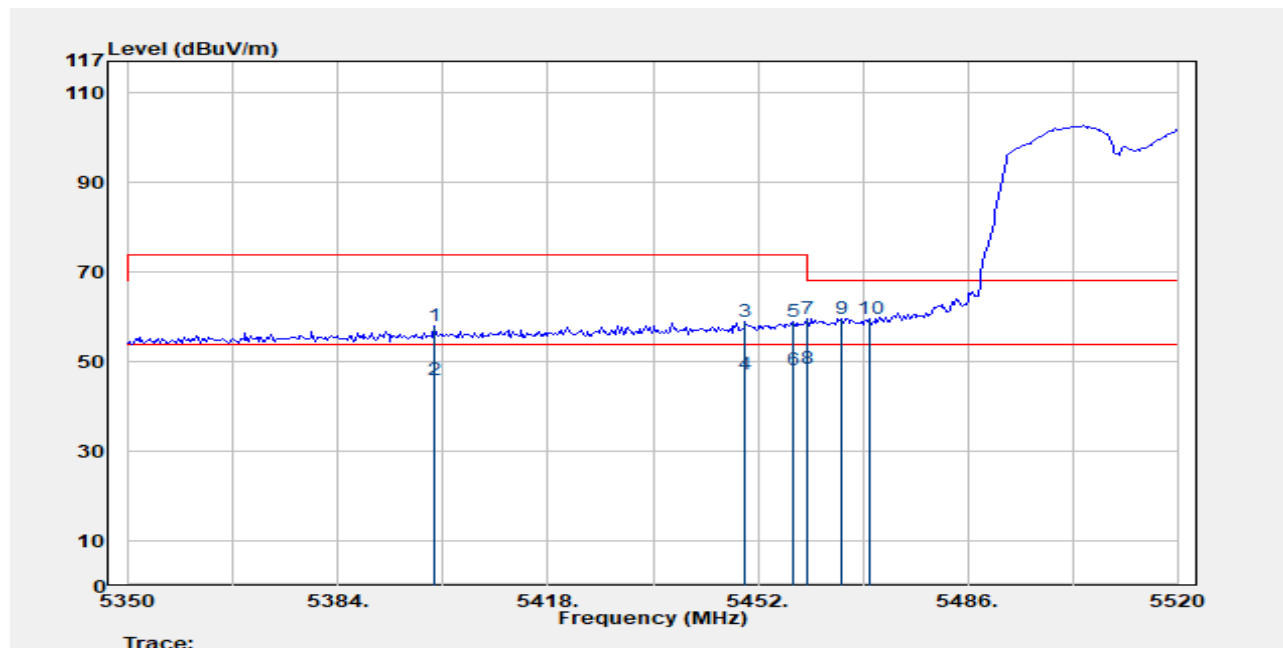
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5399.583	Peak	49.66	8.24	57.90	74.00	-16.10
5399.583	Average	37.86	8.24	46.10	54.00	-7.90
5450.017	Peak	50.08	8.76	58.84	74.00	-15.16
5450.017	Average	38.58	8.76	47.34	54.00	-6.66
5457.667	Peak	50.39	8.68	59.07	74.00	-14.93
5457.667	Average	39.55	8.68	48.23	54.00	-5.77
5460.000	Peak	50.88	8.66	59.54	74.00	-14.46
5460.000	Average	39.85	8.66	48.51	54.00	-5.49
5465.600	Peak	51.08	8.60	59.68	68.20	-8.52
5470.000	Peak	51.06	8.56	59.61	68.20	-8.59

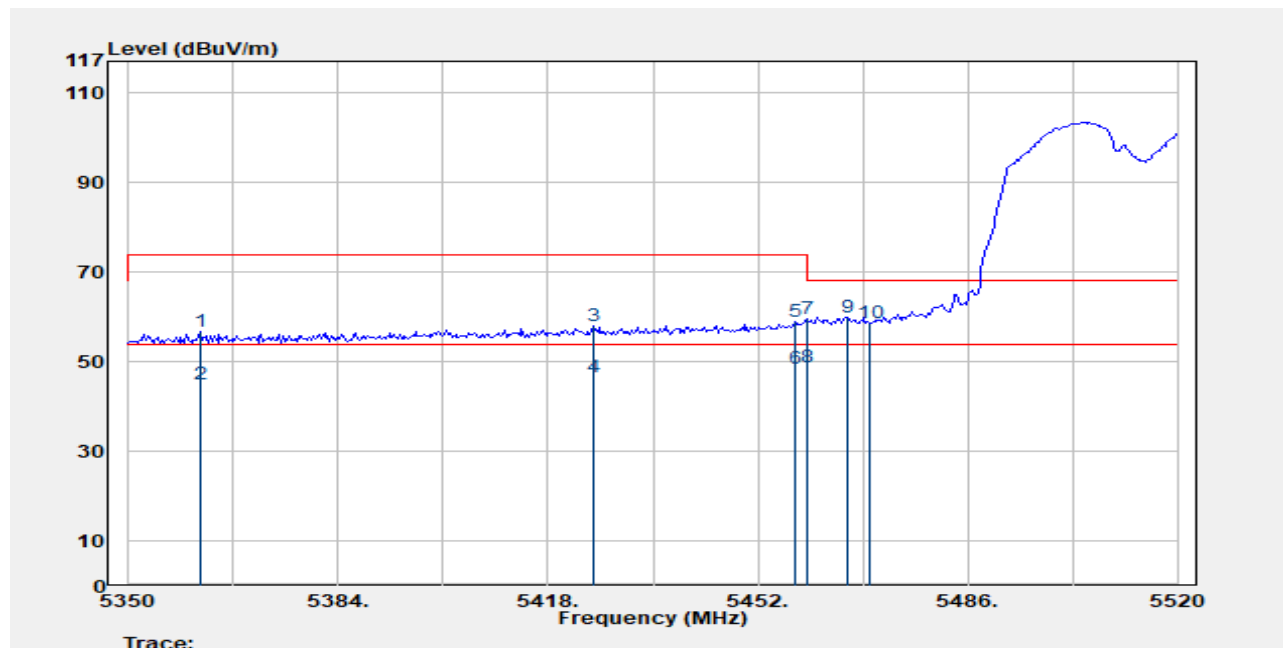
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5510 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5361.617	Peak	48.85	7.86	56.72	74.00	-17.28
5361.617	Average	37.08	7.86	44.94	54.00	-9.06
5425.367	Peak	49.54	8.51	58.04	74.00	-15.96
5425.367	Average	38.16	8.51	46.67	54.00	-7.33
5457.950	Peak	50.20	8.68	58.88	74.00	-15.12
5457.950	Average	39.82	8.68	48.50	54.00	-5.50
5460.000	Peak	51.05	8.66	59.71	74.00	-14.29
5460.000	Average	40.06	8.66	48.72	54.00	-5.28
5466.450	Peak	51.34	8.59	59.93	68.20	-8.27
5470.000	Peak	50.11	8.56	58.67	68.20	-9.53

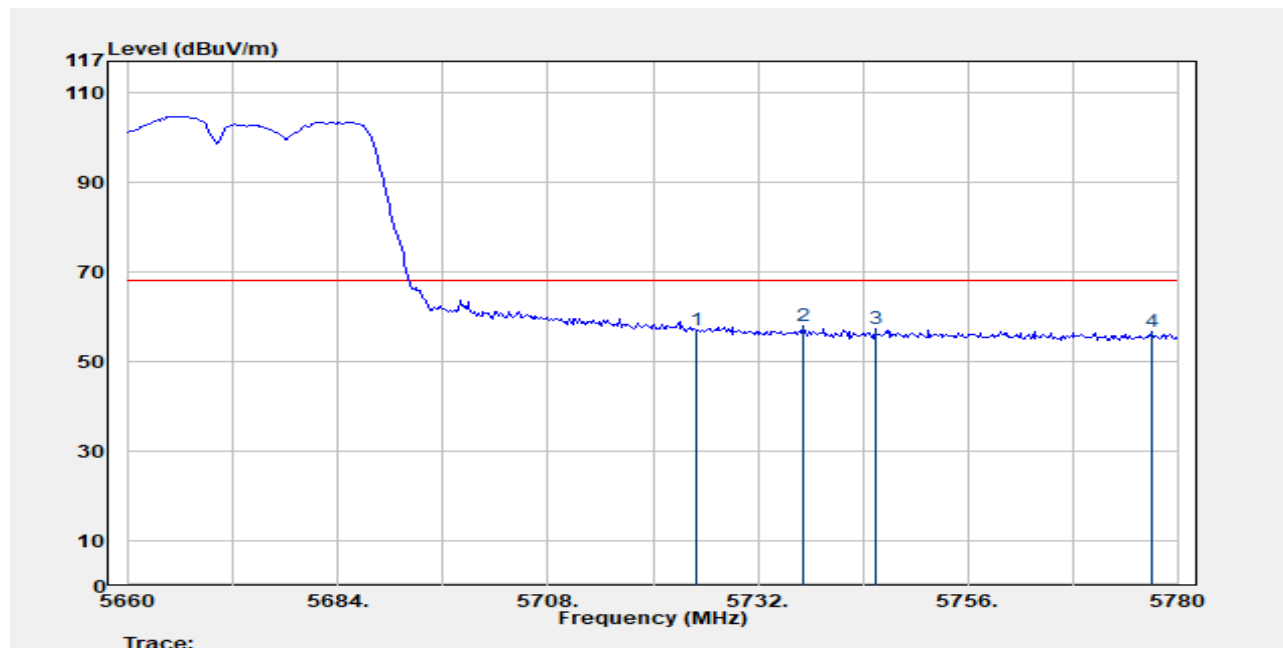
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	48.35	8.84	57.19	68.20	-11.01
5737.200	Peak	49.08	8.95	58.03	68.20	-10.17
5745.400	Peak	48.49	9.01	57.51	68.20	-10.69
5777.200	Peak	47.94	8.67	56.61	68.20	-11.59

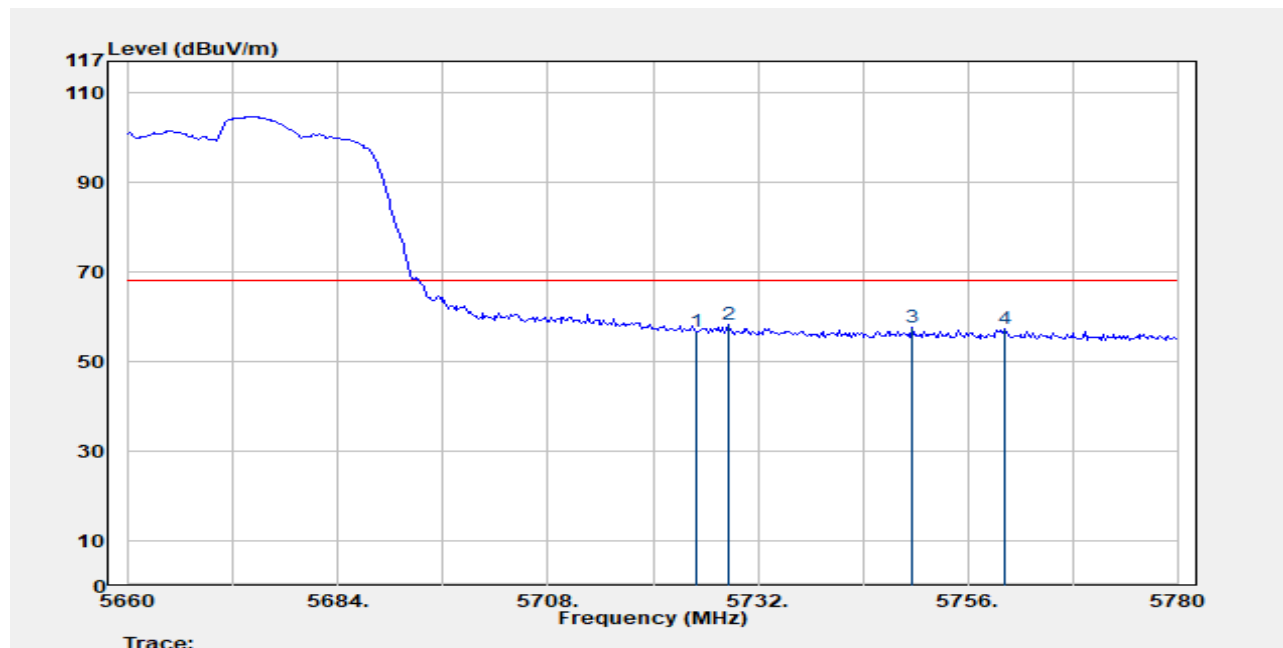
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5670 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	48.05	8.84	56.89	68.20	-11.31
5728.600	Peak	49.62	8.87	58.49	68.20	-9.71
5749.600	Peak	48.78	9.05	57.83	68.20	-10.37
5760.200	Peak	48.44	8.91	57.35	68.20	-10.85

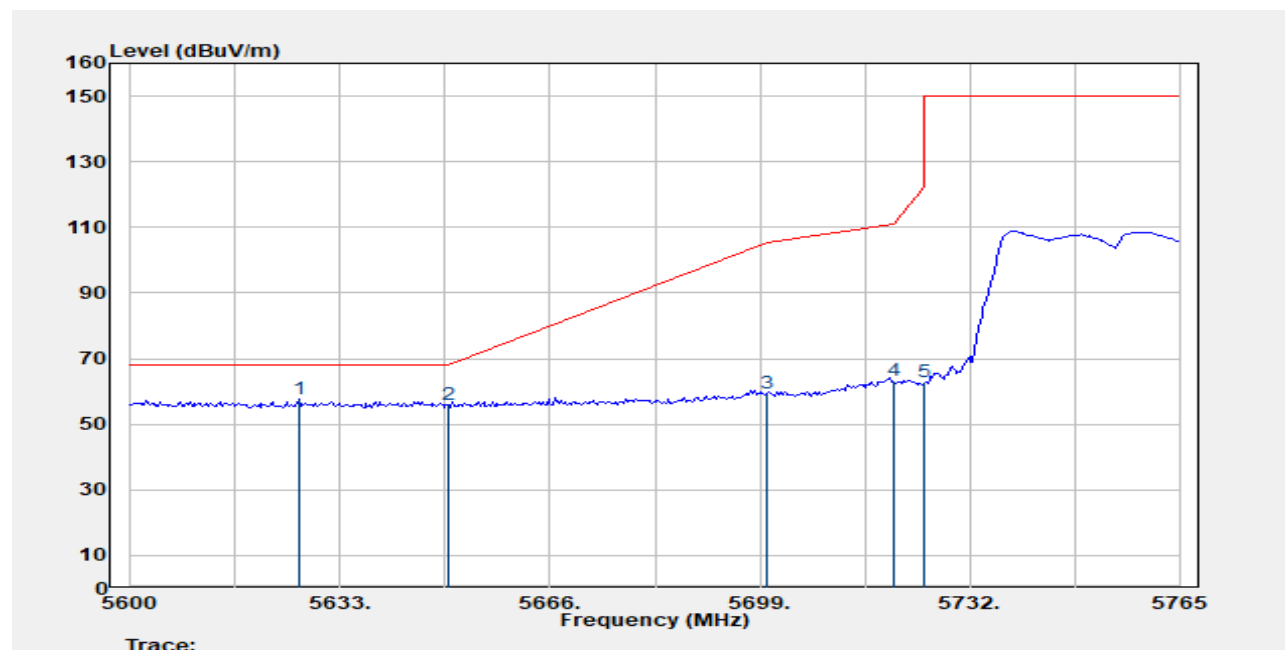
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



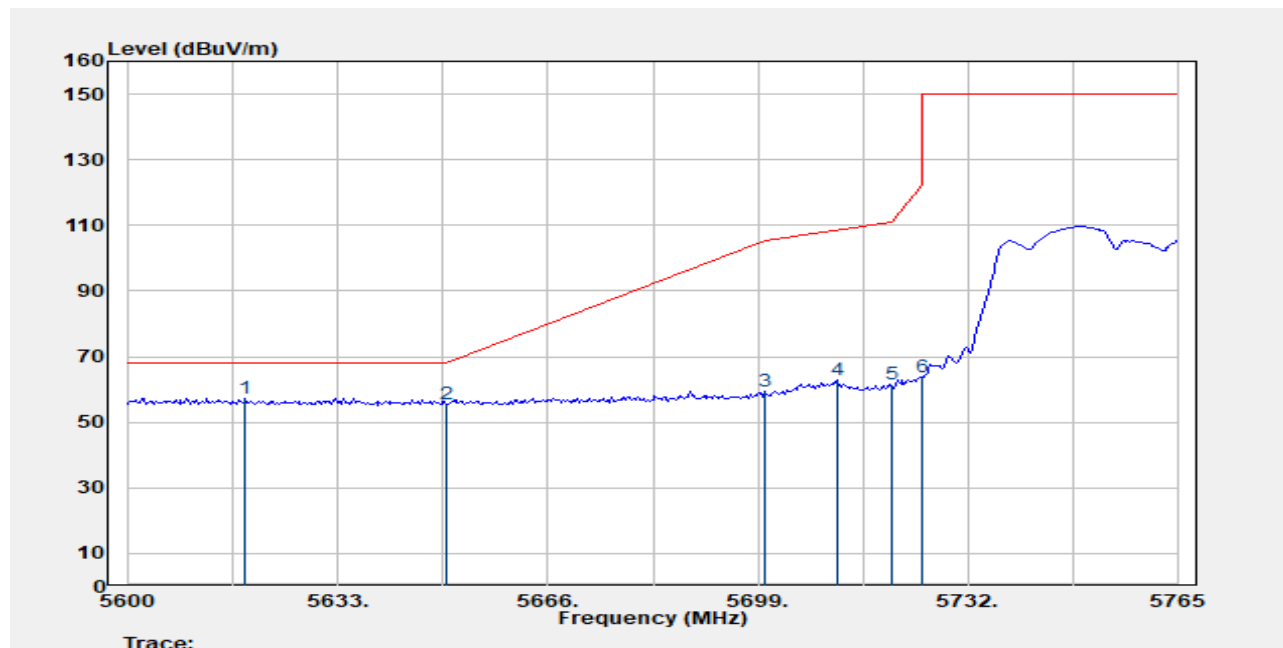
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5626.400	Peak	49.20	8.30	57.50	68.20	-10.70
5650.000	Peak	48.06	7.97	56.04	68.20	-12.16
5700.000	Peak	50.76	8.64	59.39	105.20	-45.81
5720.000	Peak	54.32	8.80	63.12	110.80	-47.68
5725.000	Peak	53.85	8.84	62.70	122.20	-59.50

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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5755 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5618.425	Peak	48.97	8.41	57.38	68.20	-10.82
5650.000	Peak	47.61	7.97	55.58	68.20	-12.62
5700.000	Peak	50.56	8.64	59.20	105.20	-46.00
5711.650	Peak	54.16	8.73	62.89	108.46	-45.57
5720.000	Peak	52.64	8.80	61.44	110.80	-49.36
5725.000	Peak	55.07	8.84	63.92	122.20	-58.28

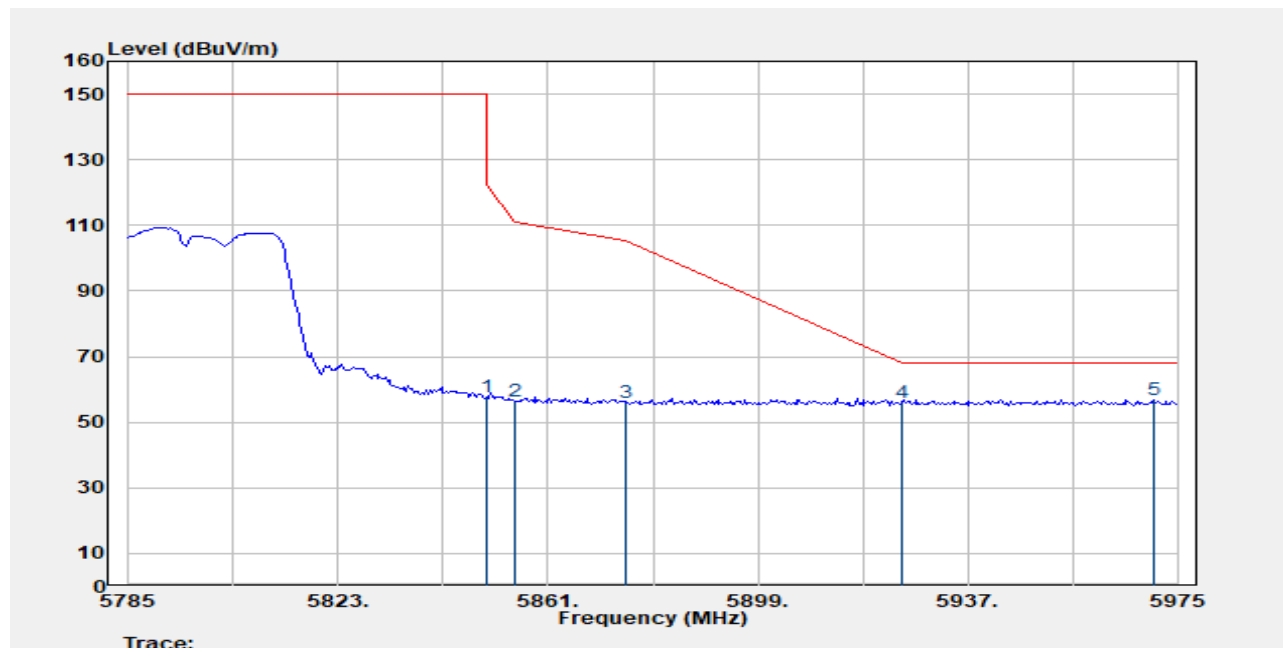
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.000	Peak	48.36	9.18	57.53	122.20	-64.67
5855.000	Peak	47.08	9.23	56.31	110.80	-54.49
5875.000	Peak	46.63	9.43	56.06	105.20	-49.14
5925.000	Peak	46.22	9.65	55.86	68.20	-12.34
5970.883	Peak	47.47	9.48	56.95	68.20	-11.25

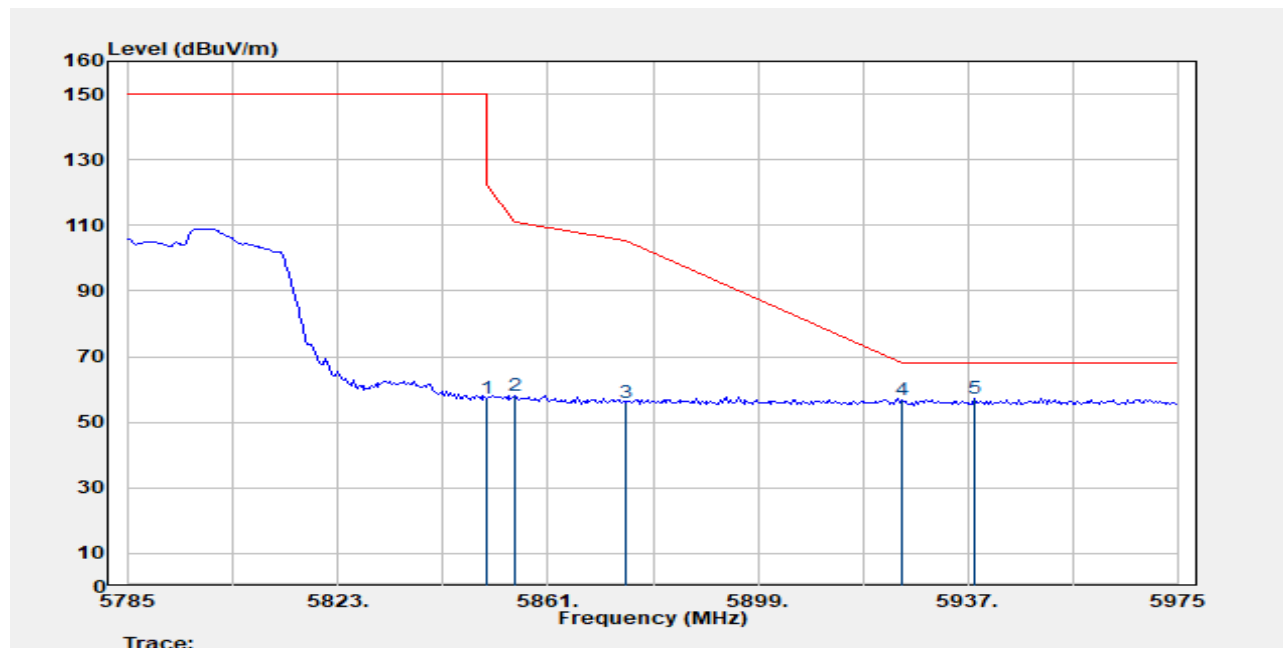
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Report Number :ER/2021/A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



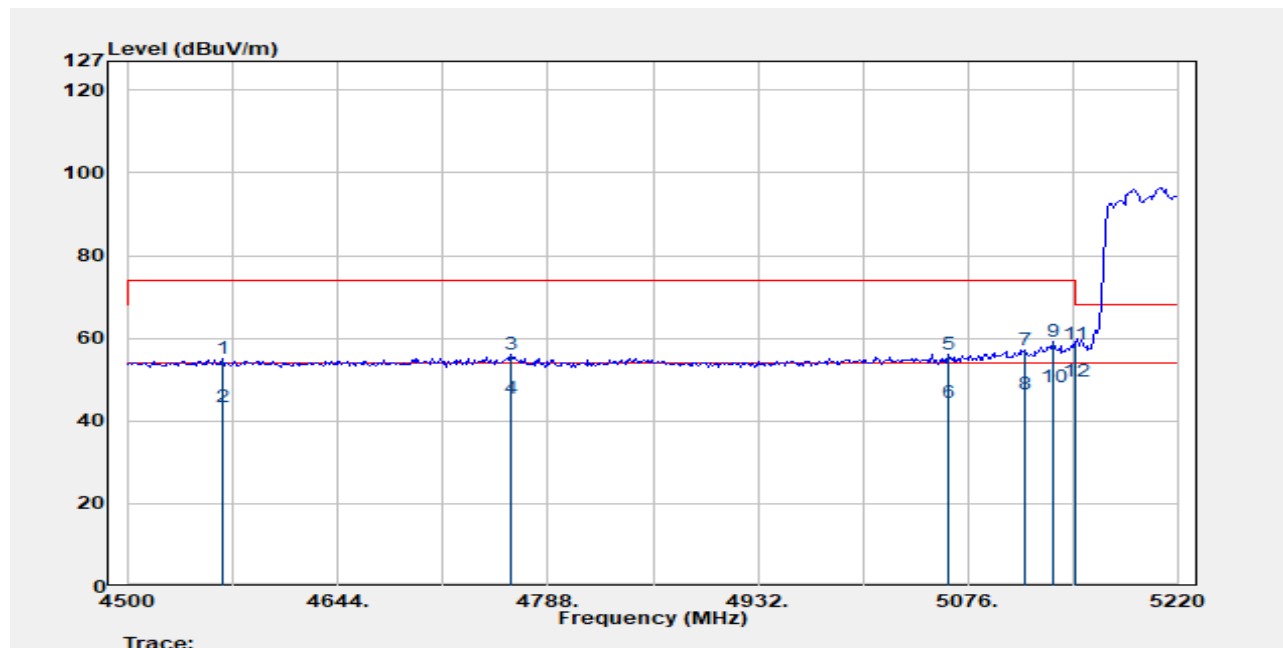
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.000	Peak	47.89	9.18	57.06	122.20	-65.14
5855.000	Peak	48.82	9.23	58.05	110.80	-52.75
5875.000	Peak	46.71	9.43	56.14	105.20	-49.06
5925.000	Peak	46.95	9.65	56.60	68.20	-11.60
5938.267	Peak	47.81	9.62	57.43	68.20	-10.77

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Report Number :ER/2021/A0117
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-23
Temp./Humi. :19.5/63
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4564.800	Peak	48.39	6.66	55.05	74.00	-18.95
4564.800	Average	36.72	6.66	43.38	54.00	-10.62
4762.800	Peak	48.92	7.18	56.10	74.00	-17.90
4762.800	Average	38.27	7.18	45.45	54.00	-8.55
5062.800	Peak	48.11	8.10	56.21	74.00	-17.79
5062.800	Average	36.15	8.10	44.25	54.00	-9.75
5115.600	Peak	48.79	8.41	57.20	74.00	-16.80
5115.600	Average	38.19	8.41	46.60	54.00	-7.40
5134.800	Peak	50.86	8.28	59.15	74.00	-14.85
5134.800	Average	39.86	8.28	48.14	54.00	-5.86
5150.000	Peak	50.39	8.19	58.58	74.00	-15.42
5150.000	Average	41.22	8.19	49.41	54.00	-4.59

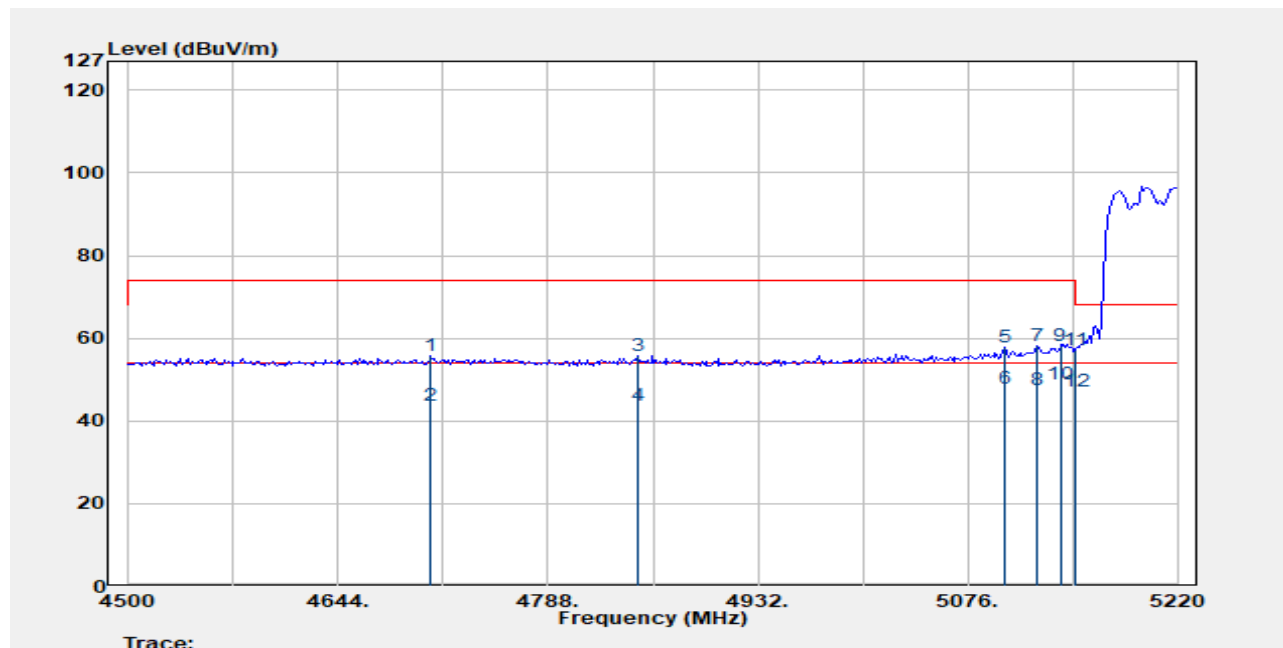
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Report Number :ER/2021/A0117
Operation Mode :802.11ac80
Test Frequency :5210 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-23
Temp./Humi. :19.5/63
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4707.600	Peak	48.69	7.11	55.80	74.00	-18.20
4707.600	Average	36.47	7.11	43.58	54.00	-10.42
4849.200	Peak	48.32	7.41	55.73	74.00	-18.27
4849.200	Average	36.32	7.41	43.73	54.00	-10.27
5101.200	Peak	49.17	8.50	57.68	74.00	-16.32
5101.200	Average	39.35	8.50	47.85	54.00	-6.15
5124.000	Peak	49.88	8.36	58.24	74.00	-15.76
5124.000	Average	39.22	8.36	47.58	54.00	-6.42
5139.600	Peak	50.03	8.25	58.28	74.00	-15.72
5139.600	Average	40.50	8.25	48.75	54.00	-5.25
5150.000	Peak	48.82	8.19	57.00	74.00	-17.00
5150.000	Average	38.88	8.19	47.07	54.00	-6.93

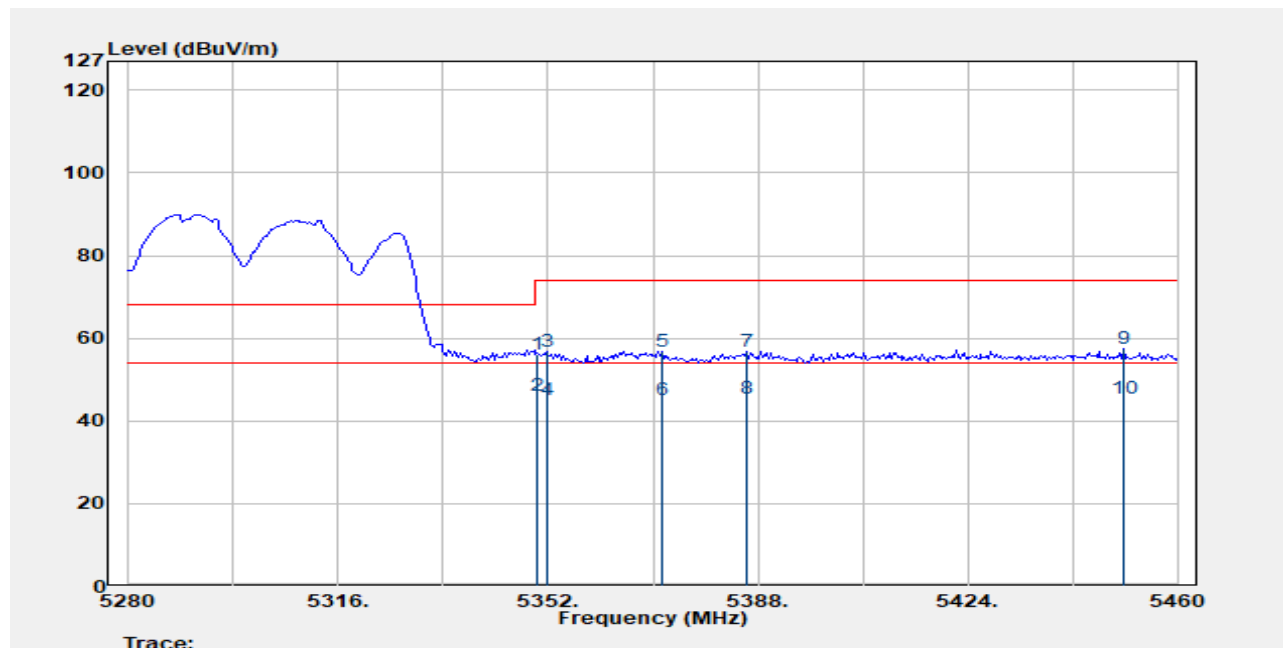
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5290 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	48.27	7.74	56.01	74.00	-17.99
5350.000	Average	38.39	7.74	46.13	54.00	-7.87
5351.700	Peak	49.18	7.76	56.94	74.00	-17.06
5351.700	Average	37.32	7.76	45.08	54.00	-8.92
5371.500	Peak	48.85	7.96	56.81	74.00	-17.19
5371.500	Average	37.24	7.96	45.20	54.00	-8.80
5386.200	Peak	48.59	8.11	56.69	74.00	-17.31
5386.200	Average	37.49	8.11	45.60	54.00	-8.40
5450.700	Peak	48.57	8.76	57.32	74.00	-16.68
5450.700	Average	36.78	8.76	45.54	54.00	-8.46

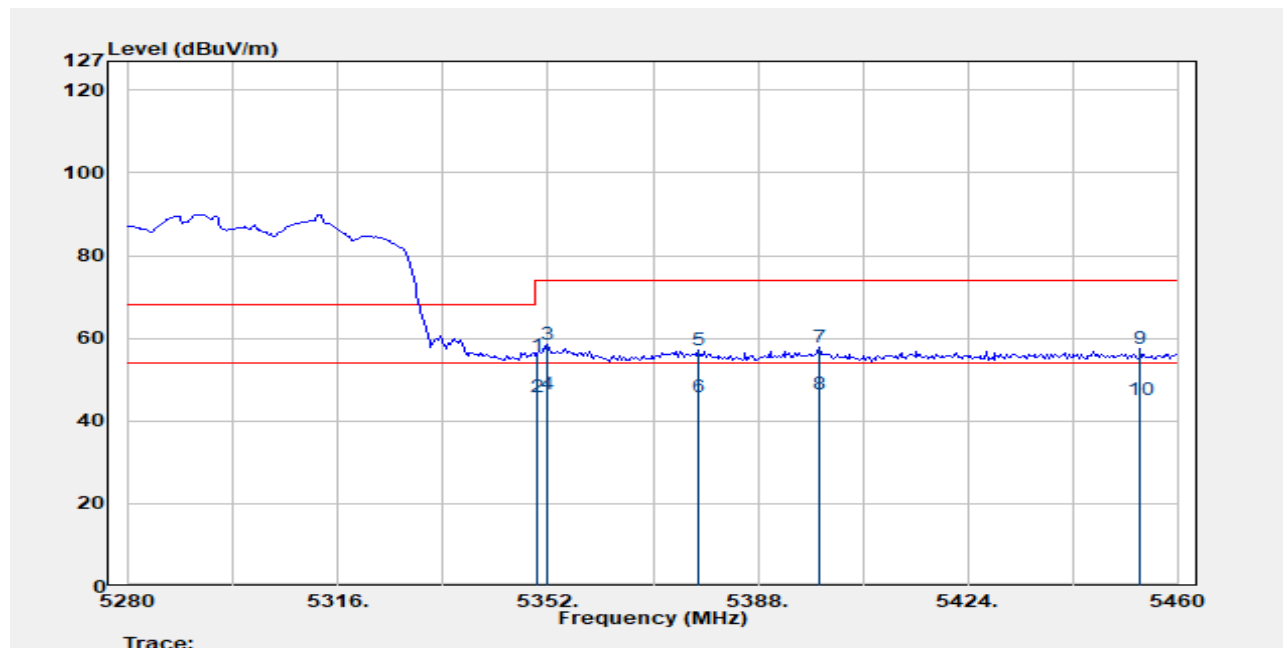
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Report Number :ER/2021/A0117
Operation Mode :802.11ac80
Test Frequency :5290 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-23
Temp./Humi. :19.5/63
Antenna Pol. :Horizontal
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	47.89	7.74	55.63	74.00	-18.37
5350.000	Average	38.20	7.74	45.94	54.00	-8.06
5352.000	Peak	50.83	7.76	58.59	74.00	-15.41
5352.000	Average	38.76	7.76	46.52	54.00	-7.48
5377.800	Peak	49.07	8.02	57.09	74.00	-16.91
5377.800	Average	37.79	8.02	45.81	54.00	-8.19
5398.500	Peak	49.75	8.23	57.98	74.00	-16.02
5398.500	Average	38.22	8.23	46.45	54.00	-7.55
5453.700	Peak	48.65	8.72	57.37	74.00	-16.63
5453.700	Average	36.44	8.72	45.16	54.00	-8.84

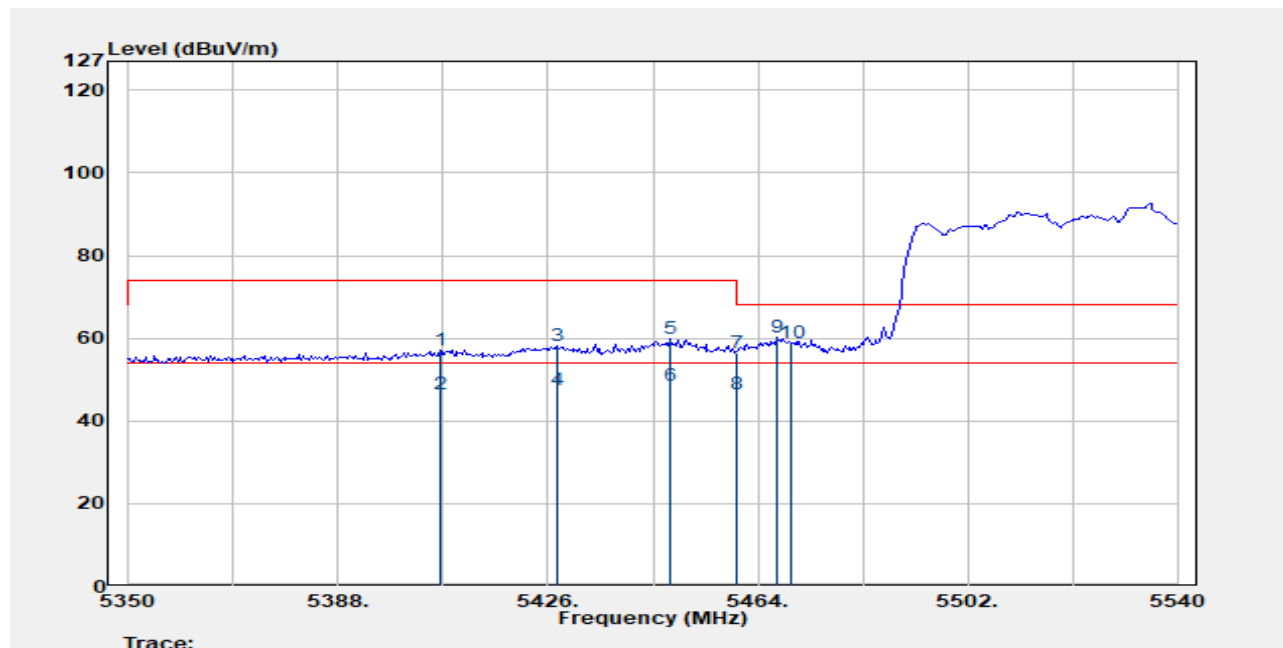
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Report Number :ER/2021/A0117
Operation Mode :802.11ac80
Test Frequency :5530 MHz
Test Mode :Bandedge CH Low
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-23
Temp./Humi. :19.5/63
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5406.367	Peak	48.85	8.31	57.16	74.00	-16.84
5406.367	Average	38.08	8.31	46.39	54.00	-7.61
5427.583	Peak	49.55	8.53	58.08	74.00	-15.92
5427.583	Average	39.05	8.53	47.58	54.00	-6.42
5448.167	Peak	51.04	8.74	59.79	74.00	-14.21
5448.167	Average	39.85	8.74	48.59	54.00	-5.41
5460.000	Peak	47.87	8.66	56.53	74.00	-17.47
5460.000	Average	37.96	8.66	46.62	54.00	-7.38
5467.483	Peak	51.65	8.58	60.23	68.20	-7.97
5470.000	Peak	50.38	8.56	58.93	68.20	-9.27

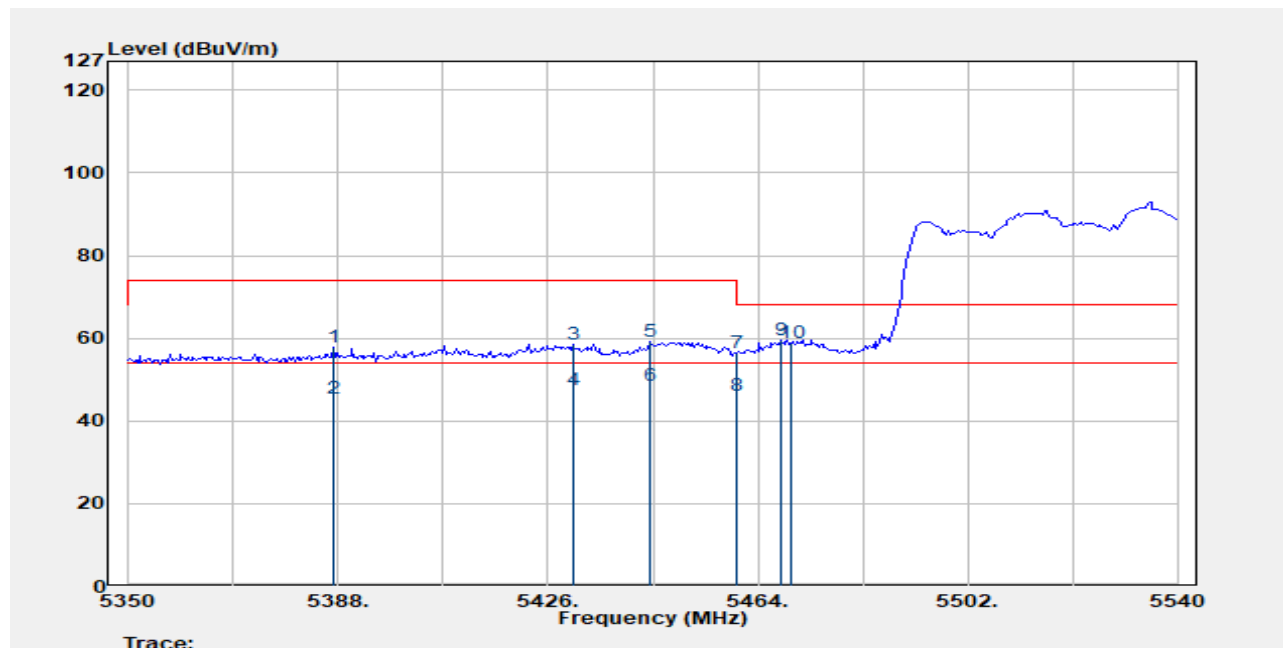
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5387.050	Peak	49.77	8.11	57.88	74.00	-16.12
5387.050	Average	37.15	8.11	45.26	54.00	-8.74
5430.433	Peak	49.98	8.56	58.54	74.00	-15.46
5430.433	Average	39.06	8.56	47.62	54.00	-6.38
5444.367	Peak	50.37	8.70	59.07	74.00	-14.93
5444.367	Average	39.77	8.70	48.47	54.00	-5.53
5460.000	Peak	47.85	8.66	56.50	74.00	-17.50
5460.000	Average	37.48	8.66	46.14	54.00	-7.86
5468.117	Peak	51.07	8.57	59.65	68.20	-8.55
5470.000	Peak	50.15	8.56	58.70	68.20	-9.50

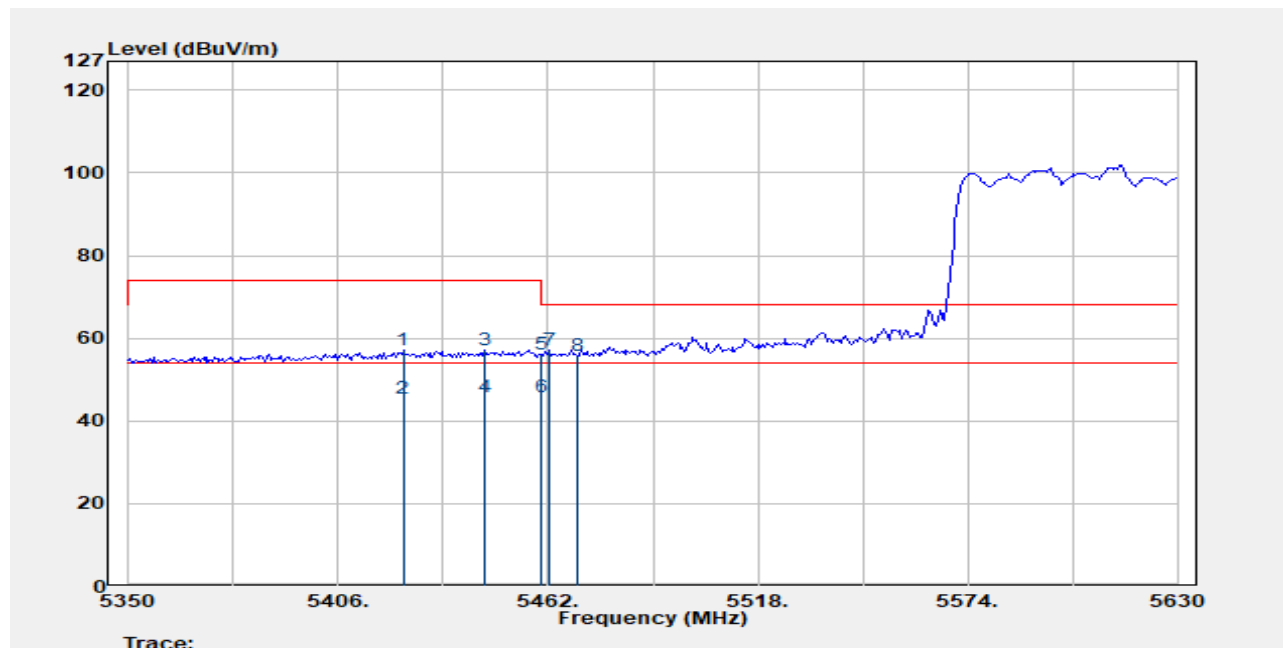
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Report Number :ER/2021/A0117
Operation Mode :802.11ac80
Test Frequency :5610 MHz
Test Mode :Bandedge CH Mid
EUT Pol :E2 Plane

Test Site :SAC 3
Test Date :2022-02-23
Temp./Humi. :19.5/63
Antenna Pol. :Vertical
Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5423.267	Peak	48.49	8.49	56.98	74.00	-17.02
5423.267	Average	36.93	8.49	45.42	54.00	-8.58
5445.200	Peak	48.41	8.71	57.12	74.00	-16.88
5445.200	Average	37.11	8.71	45.82	54.00	-8.18
5460.000	Peak	47.49	8.66	56.15	74.00	-17.85
5460.000	Average	37.12	8.66	45.78	54.00	-8.22
5462.467	Peak	48.49	8.63	57.13	68.20	-11.07
5470.000	Peak	47.30	8.56	55.86	68.20	-12.34

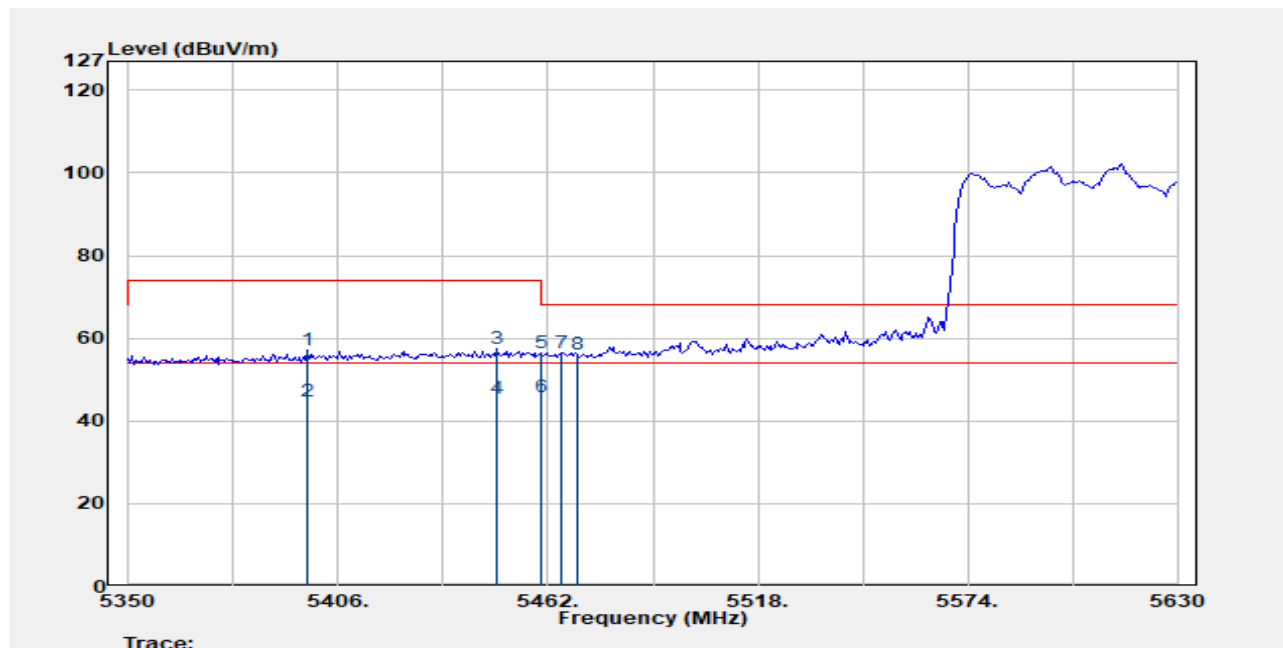
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Bandedge CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5397.600	Peak	48.74	8.22	56.96	74.00	-17.04
5397.600	Average	36.57	8.22	44.79	54.00	-9.21
5448.467	Peak	48.63	8.75	57.38	74.00	-16.62
5448.467	Average	36.61	8.75	45.36	54.00	-8.64
5460.000	Peak	47.67	8.66	56.33	74.00	-17.67
5460.000	Average	37.16	8.66	45.82	54.00	-8.18
5465.733	Peak	47.81	8.60	56.41	68.20	-11.79
5470.000	Peak	47.41	8.56	55.96	68.20	-12.24

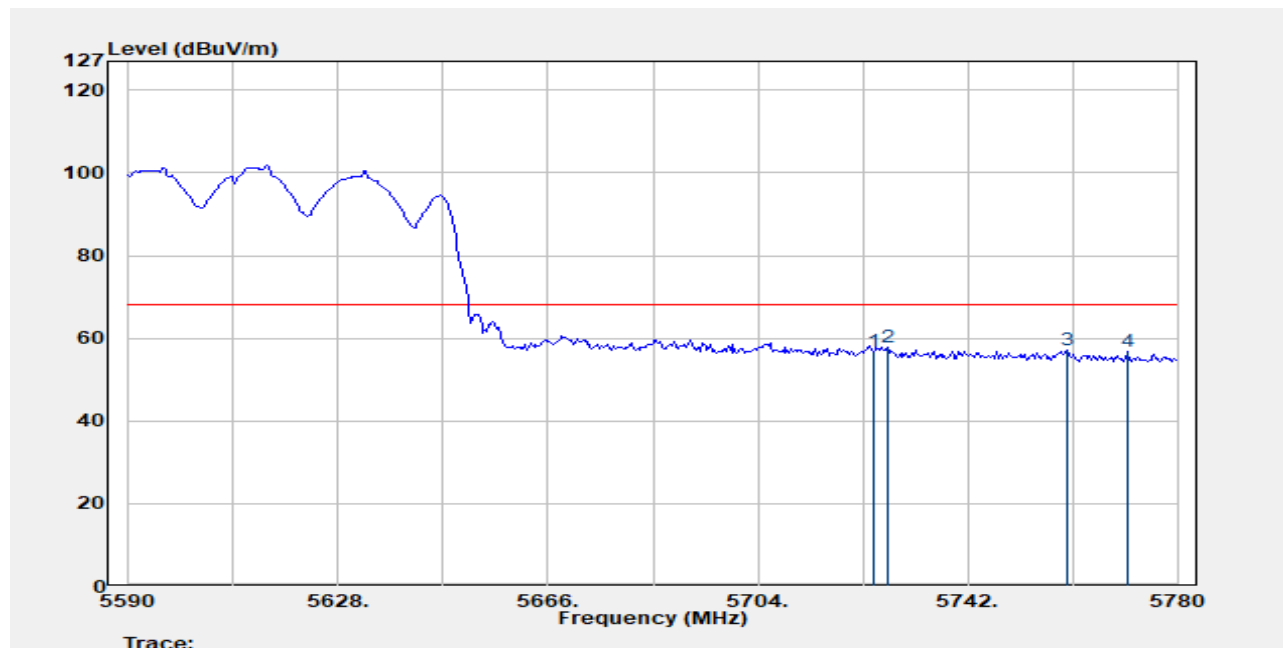
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Bandedge CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.000	Peak	48.03	8.84	56.88	68.20	-11.32
5727.433	Peak	49.12	8.86	57.98	68.20	-10.22
5760.050	Peak	48.20	8.91	57.11	68.20	-11.09
5771.133	Peak	47.98	8.76	56.73	68.20	-11.47

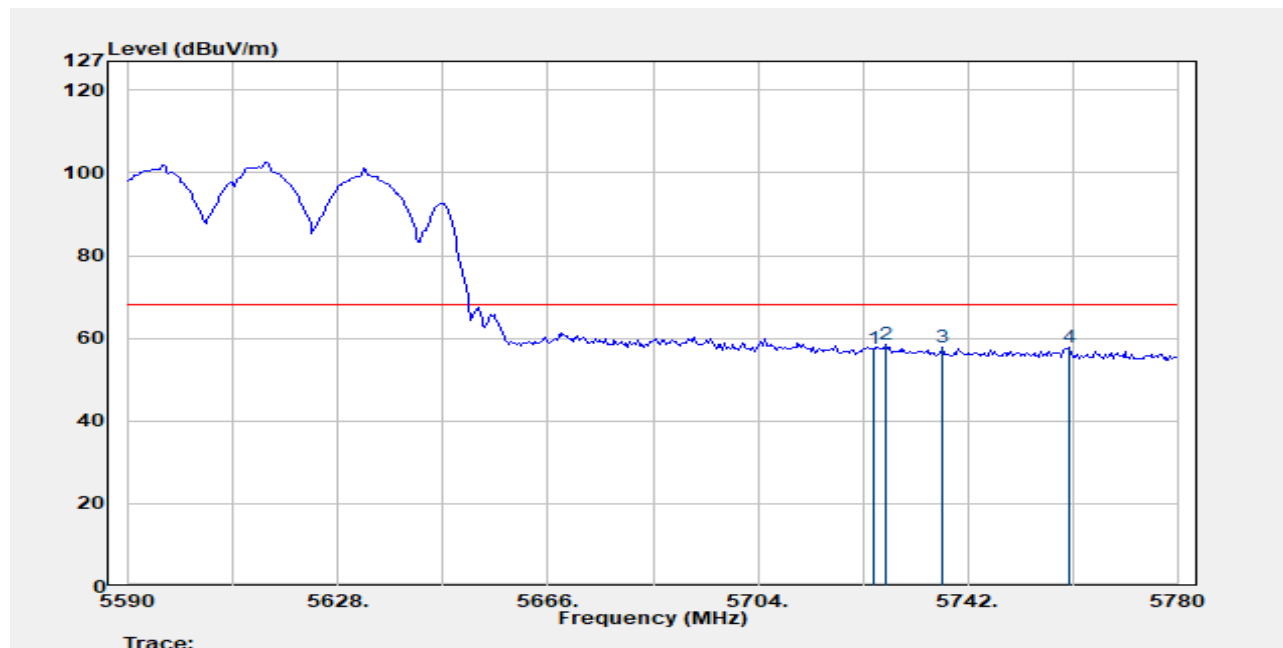
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5610 MHz
 Test Mode :Bandedge CH Mid
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



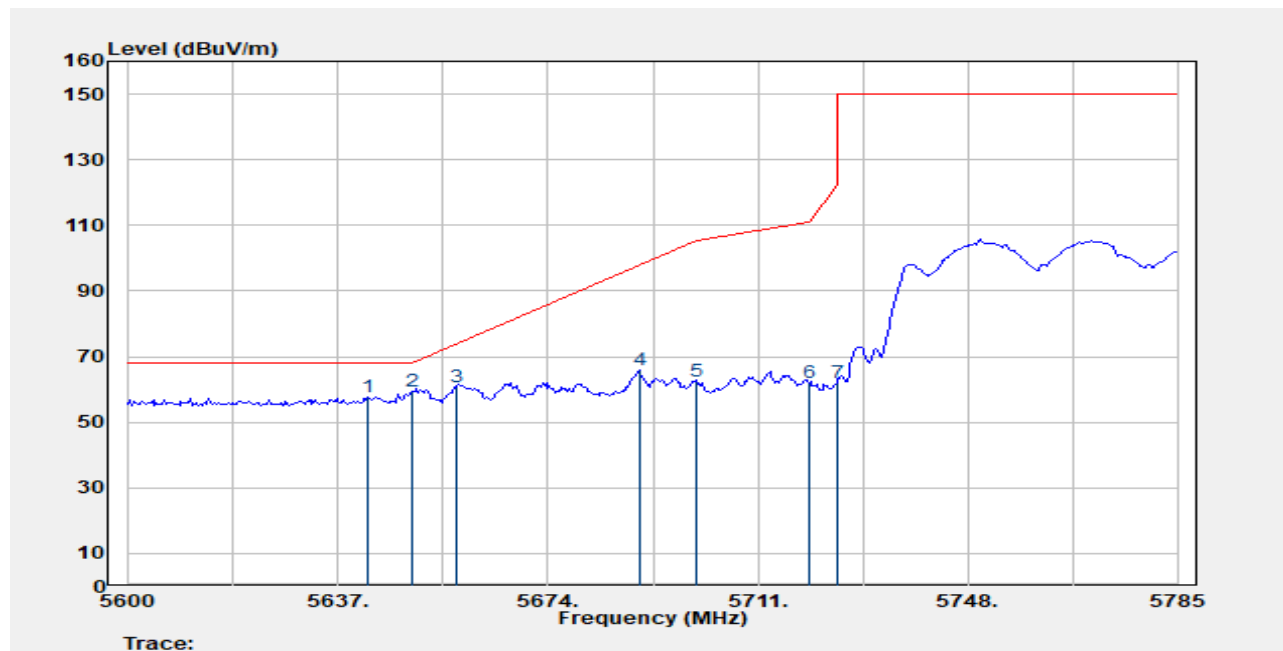
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5725.000	Peak	48.78	8.84	57.63	68.20	-10.57
5727.117	Peak	49.50	8.86	58.36	68.20	-9.84
5737.567	Peak	48.90	8.95	57.85	68.20	-10.35
5760.367	Peak	48.80	8.91	57.71	68.20	-10.49

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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5642.242	Peak	49.61	8.08	57.69	68.20	-10.51
5650.000	Peak	51.25	7.97	59.22	68.20	-8.98
5657.967	Peak	52.77	8.08	60.85	74.10	-13.25
5690.033	Peak	57.42	8.50	65.93	97.82	-31.90
5700.000	Peak	53.92	8.64	62.55	105.20	-42.65
5720.000	Peak	53.04	8.80	61.85	110.80	-48.95
5725.000	Peak	53.09	8.84	61.93	122.20	-60.27

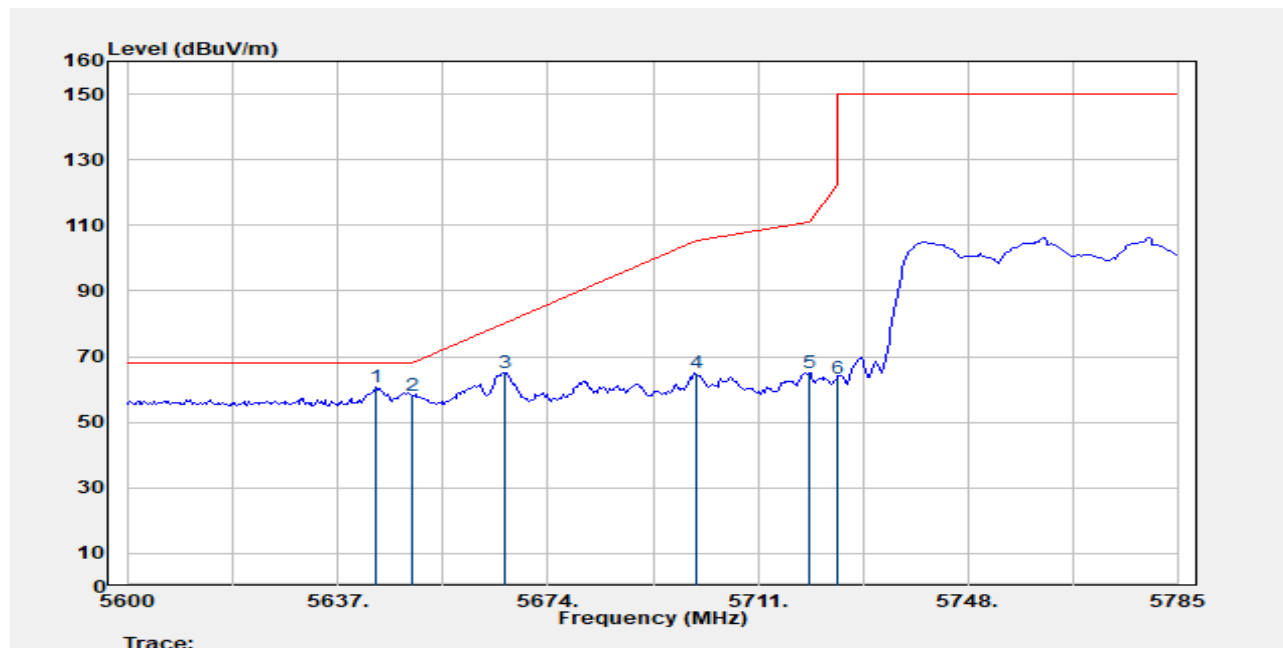
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5643.475	Peak	52.44	8.06	60.50	68.20	-7.70
5650.000	Peak	50.20	7.97	58.17	68.20	-10.03
5666.292	Peak	56.95	8.19	65.14	80.26	-15.11
5700.000	Peak	56.20	8.64	64.83	105.20	-40.37
5720.000	Peak	56.18	8.80	64.98	110.80	-45.82
5725.000	Peak	54.52	8.84	63.36	122.20	-58.84

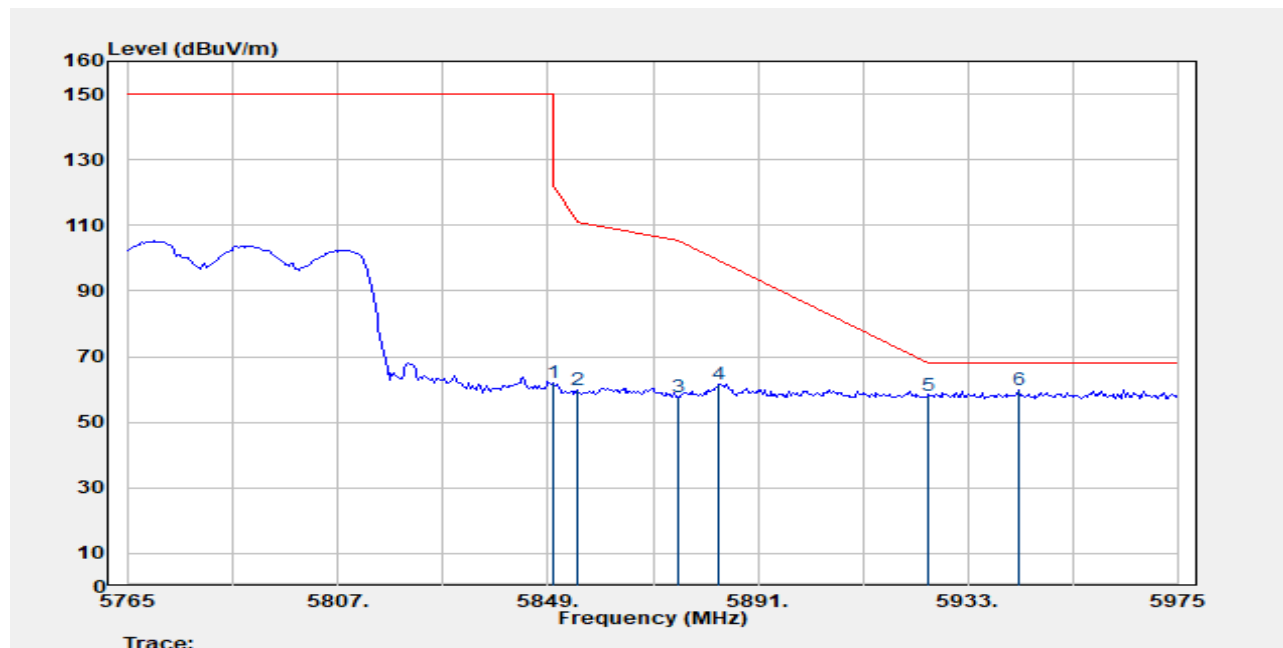
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5850.000	Peak	52.94	9.18	62.11	122.20	-60.09
5855.000	Peak	50.49	9.23	59.71	110.80	-51.09
5875.000	Peak	48.34	9.43	57.77	105.20	-47.43
5883.300	Peak	52.18	9.51	61.70	99.06	-37.36
5925.000	Peak	48.58	9.65	58.22	68.20	-9.98
5943.150	Peak	50.22	9.62	59.84	68.20	-8.36

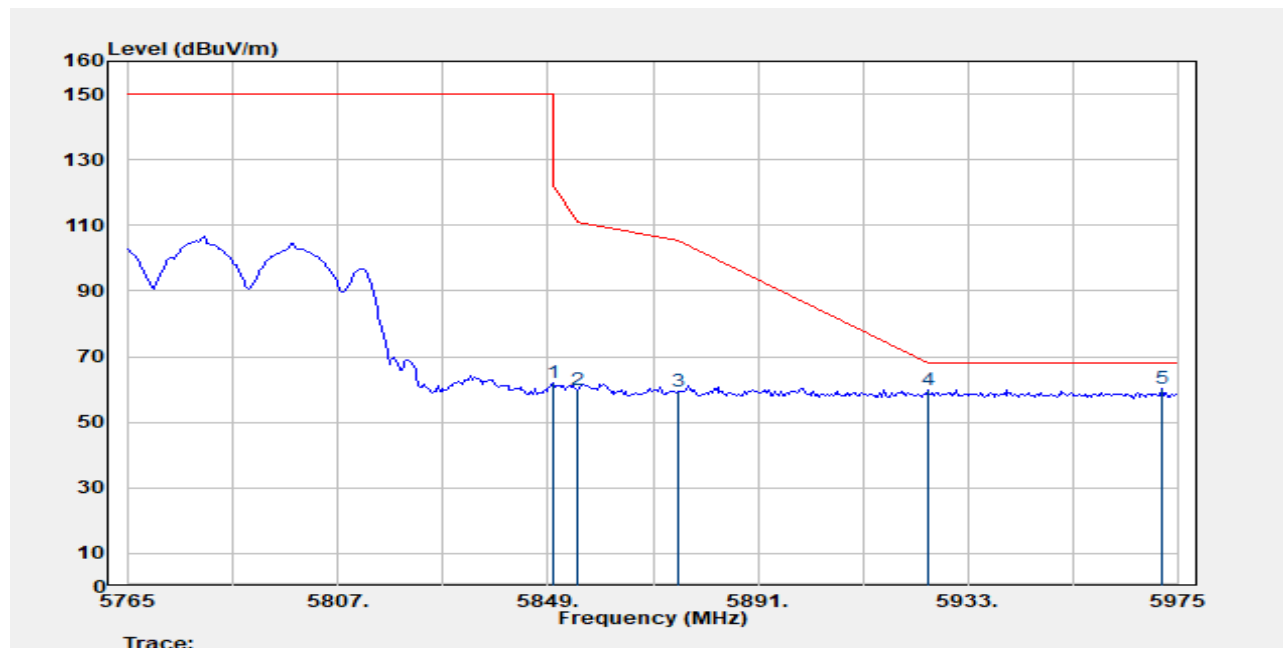
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5775 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-23
 Temp./Humi. :19.5/63
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.000	Peak	52.75	9.18	61.93	122.20	-60.27
5855.000	Peak	50.67	9.23	59.89	110.80	-50.91
5875.000	Peak	49.93	9.43	59.36	105.20	-45.84
5925.000	Peak	50.23	9.65	59.87	68.20	-8.33
5971.850	Peak	50.60	9.47	60.07	68.20	-8.13

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11.6.2.2 FM4500F connect FM-TUBE antenna

Report Number :ER/2021/A0117

Test Site :SAC 3

Operation Mode :802.11n20

Test Date :2022-02-21

Test Frequency :5180 MHz

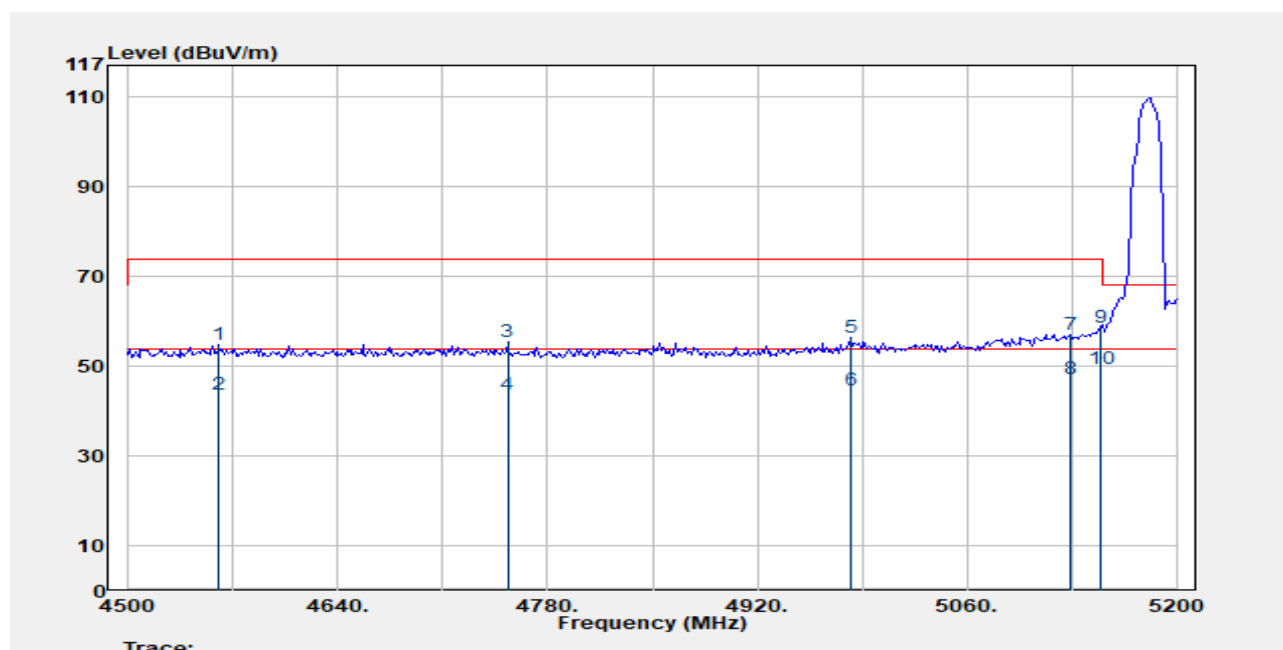
Temp./Humi. :18.7/57

Test Mode :Bandedge CH Low

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4560.667	Peak	48.22	6.67	54.89	74.00	-19.11
4560.667	Average	37.16	6.67	43.83	54.00	-10.17
4753.167	Peak	48.19	7.23	55.42	74.00	-18.58
4753.167	Average	36.52	7.23	43.75	54.00	-10.25
4983.000	Peak	48.67	7.66	56.34	74.00	-17.66
4983.000	Average	37.09	7.66	44.75	54.00	-9.25
5128.833	Peak	48.75	8.32	57.08	74.00	-16.92
5128.833	Average	38.79	8.32	47.11	54.00	-6.89
5150.000	Peak	50.47	8.19	58.65	74.00	-15.35
5150.000	Average	41.43	8.19	49.62	54.00	-4.38

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5180 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

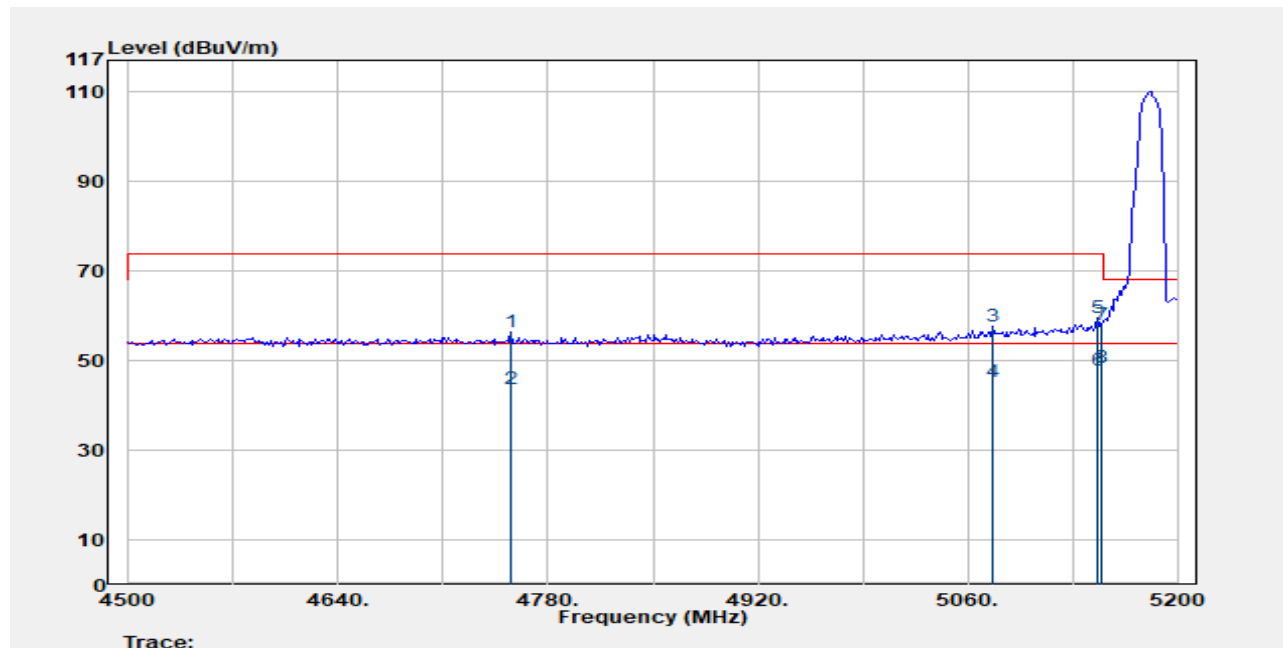
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4755.500	Peak	49.06	7.22	56.28	74.00	-17.72
4755.500	Average	36.41	7.22	43.63	54.00	-10.37
5076.333	Peak	49.45	8.25	57.70	74.00	-16.30
5076.333	Average	37.12	8.25	45.37	54.00	-8.63
5146.333	Peak	51.38	8.21	59.59	74.00	-14.41
5146.333	Average	39.69	8.21	47.90	54.00	-6.10
5150.000	Peak	49.71	8.19	57.89	74.00	-16.11
5150.000	Average	40.22	8.19	48.41	54.00	-5.59

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5320 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

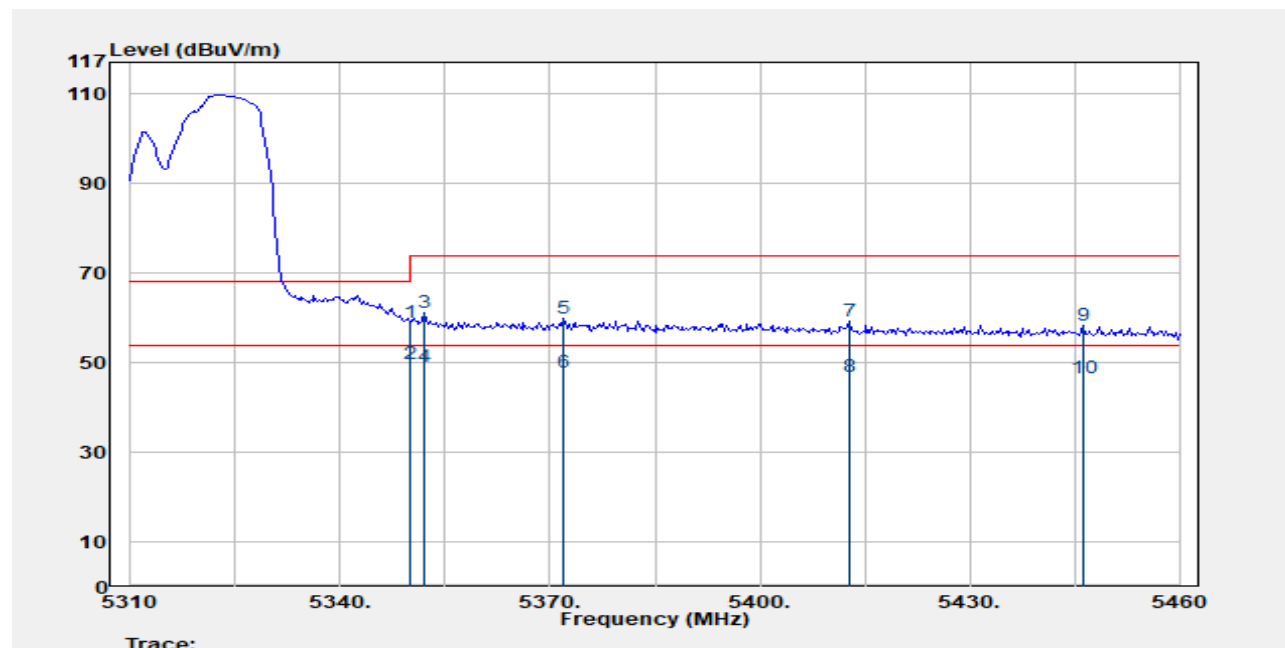
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Peak	51.33	7.74	59.07	74.00	-14.93
5350.000	Average	42.12	7.74	49.86	54.00	-4.14
5352.000	Peak	53.35	7.76	61.11	74.00	-12.89
5352.000	Average	41.31	7.76	49.07	54.00	-4.93
5372.000	Peak	51.94	7.96	59.90	74.00	-14.10
5372.000	Average	39.95	7.96	47.91	54.00	-6.09
5412.750	Peak	50.89	8.38	59.27	74.00	-14.73
5412.750	Average	38.62	8.38	47.00	54.00	-7.00
5446.250	Peak	49.50	8.72	58.23	74.00	-15.77
5446.250	Average	37.93	8.72	46.65	54.00	-7.35

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5320 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

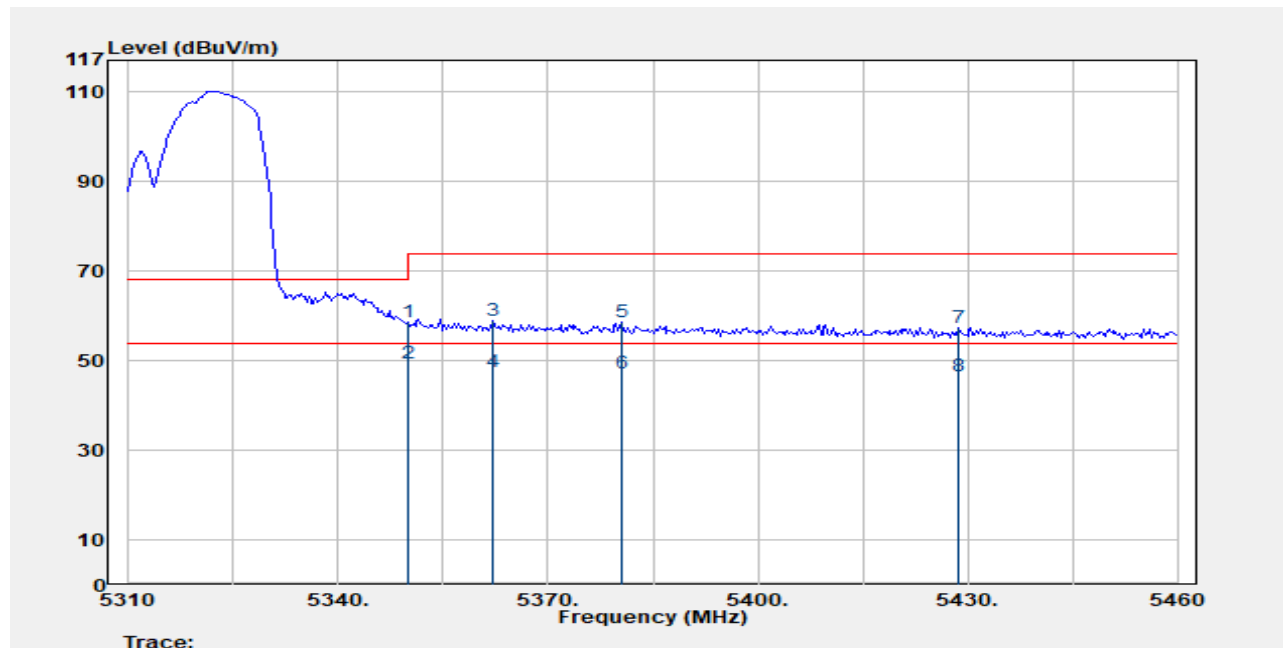
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5350.000	Peak	50.89	7.74	58.63	74.00	-15.37
5350.000	Average	41.86	7.74	49.60	54.00	-4.40
5362.000	Peak	51.00	7.86	58.86	74.00	-15.14
5362.000	Average	39.73	7.86	47.59	54.00	-6.41
5380.500	Peak	50.65	8.05	58.70	74.00	-15.30
5380.500	Average	39.19	8.05	47.24	54.00	-6.76
5428.750	Peak	48.97	8.54	57.51	74.00	-16.49
5428.750	Average	38.05	8.54	46.59	54.00	-7.41

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5500 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

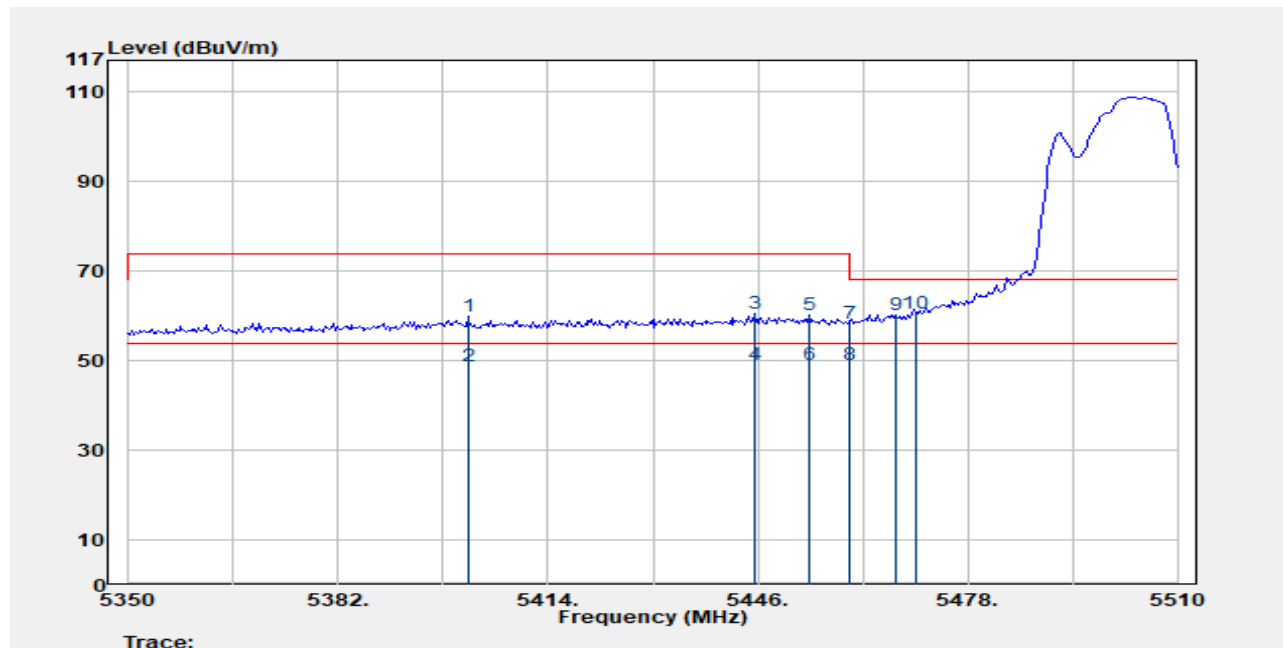
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5401.733	Peak	51.52	8.26	59.79	74.00	-14.21
5401.733	Average	40.53	8.26	48.79	54.00	-5.21
5445.467	Peak	51.78	8.72	60.49	74.00	-13.51
5445.467	Average	40.32	8.72	49.04	54.00	-4.96
5453.733	Peak	51.59	8.72	60.32	74.00	-13.68
5453.733	Average	40.39	8.72	49.11	54.00	-4.89
5460.000	Peak	49.59	8.66	58.25	74.00	-15.75
5460.000	Average	40.57	8.66	49.23	54.00	-4.77
5467.067	Peak	51.67	8.59	60.26	68.20	-7.94
5470.000	Peak	51.97	8.56	60.53	68.20	-7.67

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5500 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

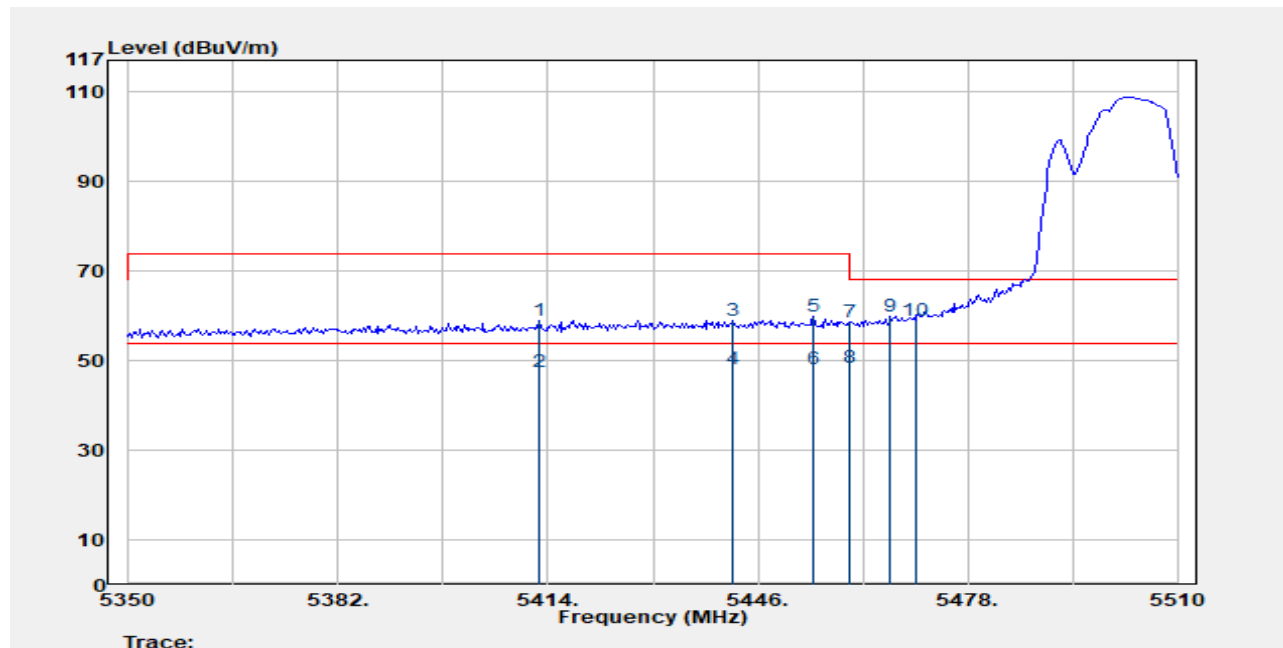
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5412.667	Peak	50.72	8.38	59.10	74.00	-14.90
5412.667	Average	39.19	8.38	47.57	54.00	-6.43
5442.267	Peak	50.33	8.68	59.01	74.00	-14.99
5442.267	Average	39.63	8.68	48.31	54.00	-5.69
5454.533	Peak	51.19	8.72	59.91	74.00	-14.09
5454.533	Average	39.62	8.72	48.34	54.00	-5.66
5460.000	Peak	49.95	8.66	58.61	74.00	-15.39
5460.000	Average	39.99	8.66	48.65	54.00	-5.35
5466.267	Peak	51.22	8.59	59.81	68.20	-8.39
5470.000	Peak	50.45	8.56	59.01	68.20	-9.19

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5700 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

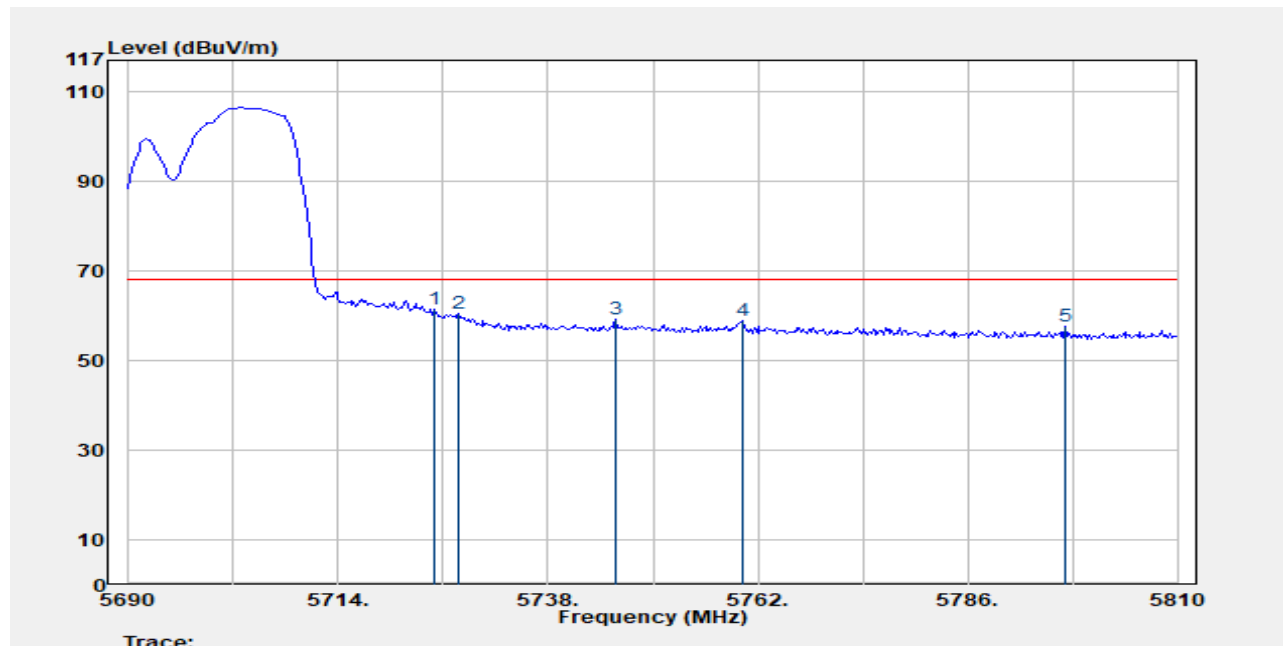
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	52.80	8.84	61.65	68.20	-6.55
5727.800	Peak	51.59	8.87	60.46	68.20	-7.74
5745.800	Peak	50.24	9.02	59.25	68.20	-8.95
5760.200	Peak	49.96	8.91	58.87	68.20	-9.33
5797.200	Peak	49.28	8.40	57.67	68.20	-10.53

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5700 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

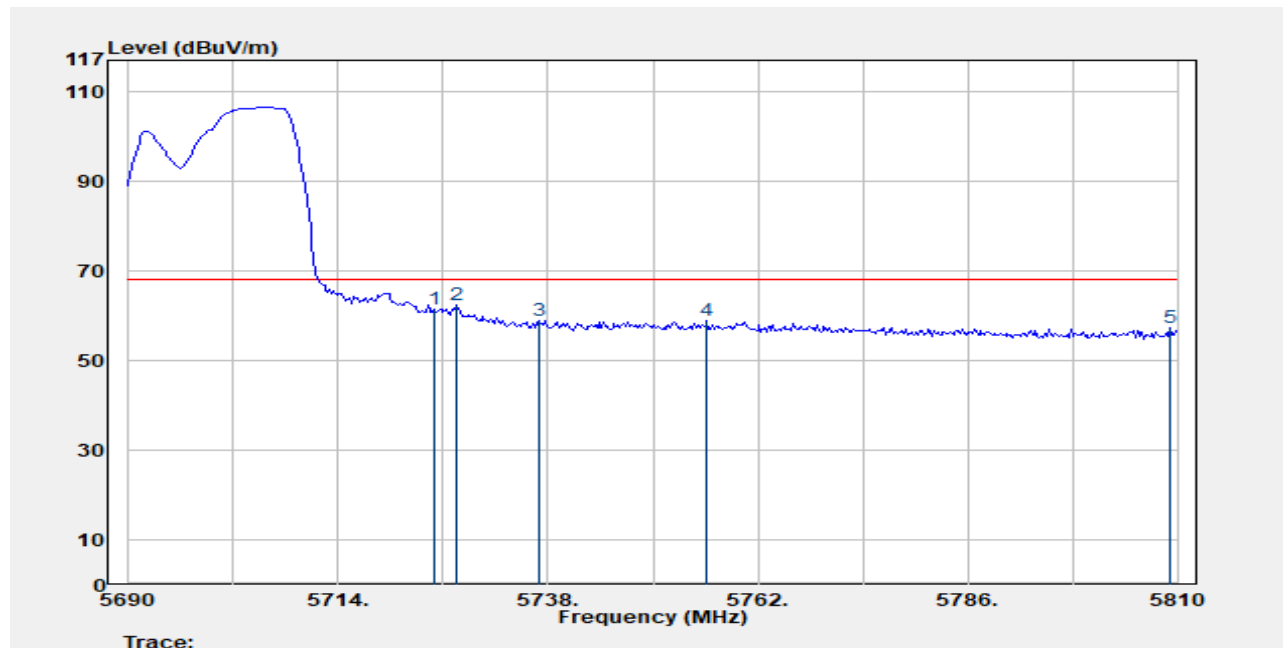
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	52.72	8.84	61.56	68.20	-6.64
5727.600	Peak	53.46	8.87	62.33	68.20	-5.87
5737.000	Peak	50.19	8.94	59.13	68.20	-9.07
5756.200	Peak	49.92	8.97	58.89	68.20	-9.31
5809.200	Peak	48.93	8.51	57.44	68.20	-10.76

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5745 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

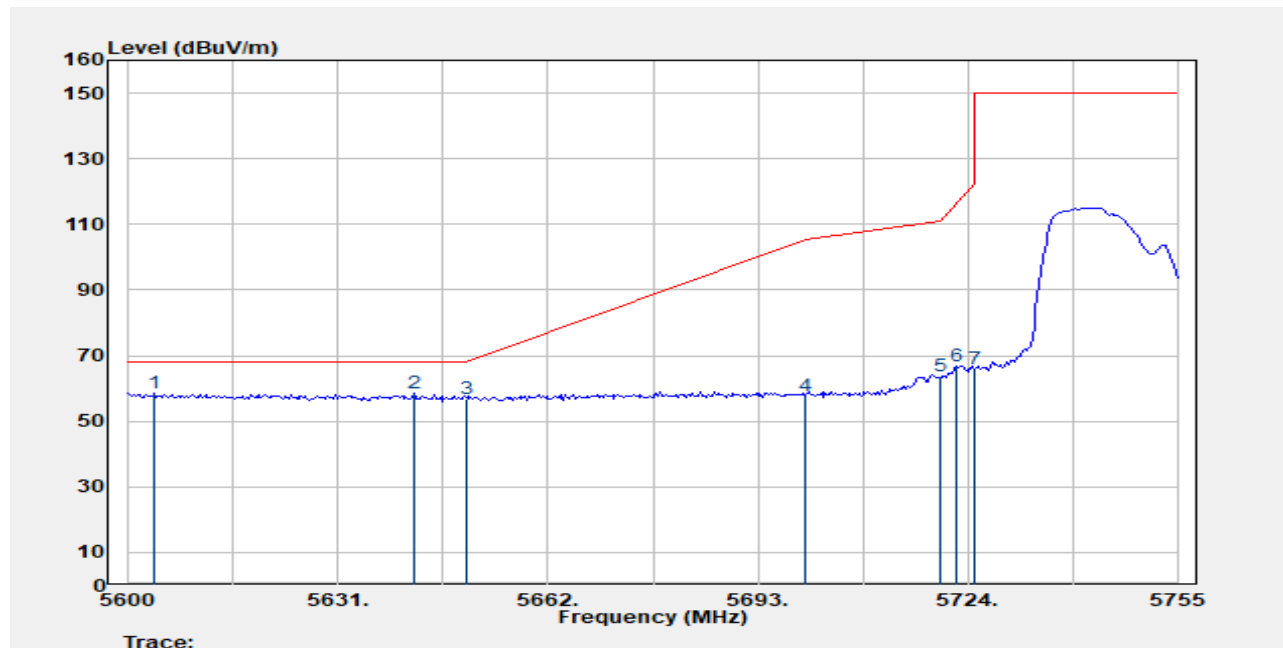
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5603.875	Peak	49.73	8.62	58.35	68.20	-9.85
5642.108	Peak	50.24	8.08	58.32	68.20	-9.88
5650.000	Peak	48.72	7.97	56.69	68.20	-11.51
5700.000	Peak	49.15	8.64	57.78	105.20	-47.42
5720.000	Peak	54.98	8.80	63.78	110.80	-47.02
5722.450	Peak	58.09	8.82	66.91	116.39	-49.48
5725.000	Peak	57.13	8.84	65.97	122.20	-56.23

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5745 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

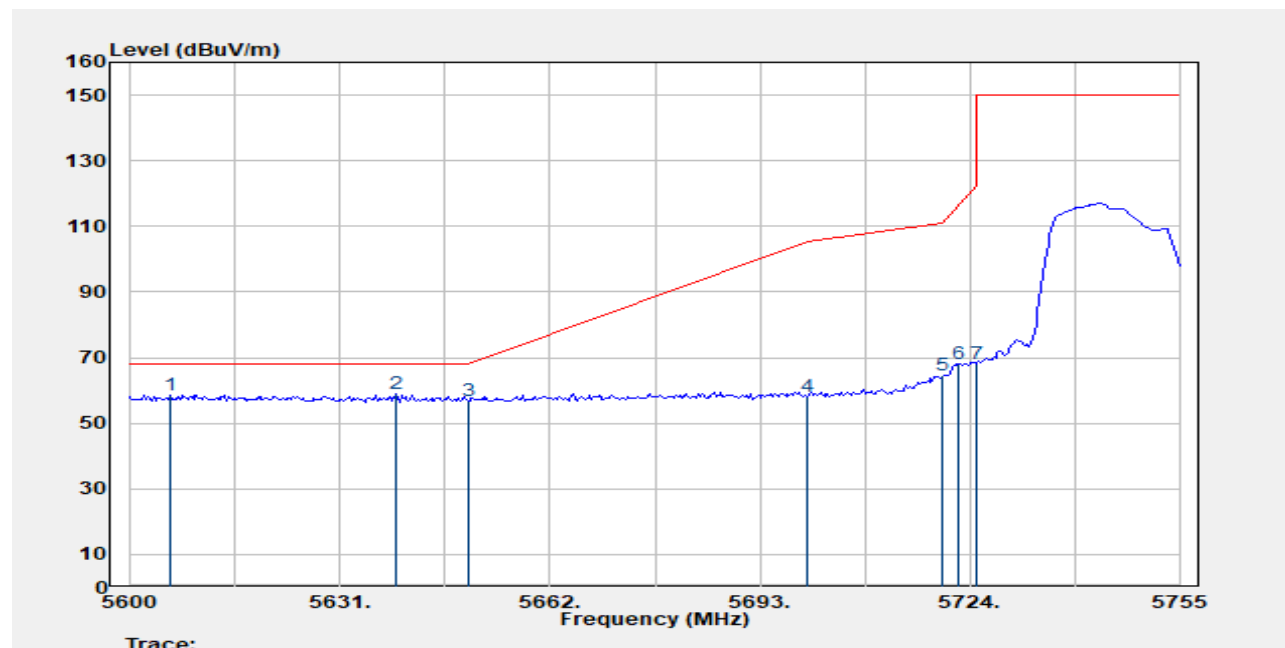
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5605.942	Peak	50.09	8.59	58.68	68.20	-9.52
5639.267	Peak	50.72	8.12	58.84	68.20	-9.36
5650.000	Peak	48.97	7.97	56.94	68.20	-11.26
5700.000	Peak	49.68	8.64	58.31	105.20	-46.89
5720.000	Peak	55.90	8.80	64.70	110.80	-46.10
5722.450	Peak	59.39	8.82	68.22	116.39	-48.17
5725.000	Peak	59.23	8.84	68.07	122.20	-54.13

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5825 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

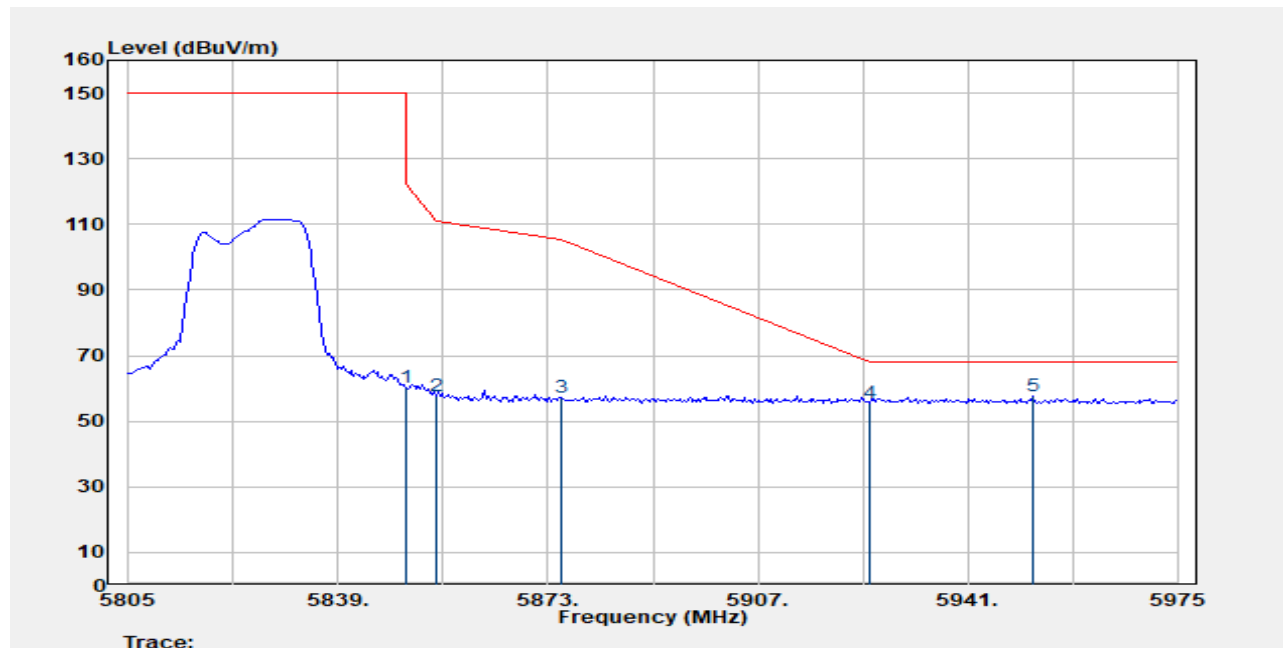
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5850.000	Peak	51.01	9.18	60.18	122.20	-62.02
5855.000	Peak	48.55	9.23	57.77	110.80	-53.03
5875.000	Peak	47.62	9.43	57.05	105.20	-48.15
5925.000	Peak	46.06	9.65	55.71	68.20	-12.49
5951.483	Peak	48.08	9.60	57.68	68.20	-10.52

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Report Number :ER/2021/A0117

Operation Mode :802.11n20

Test Frequency :5825 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

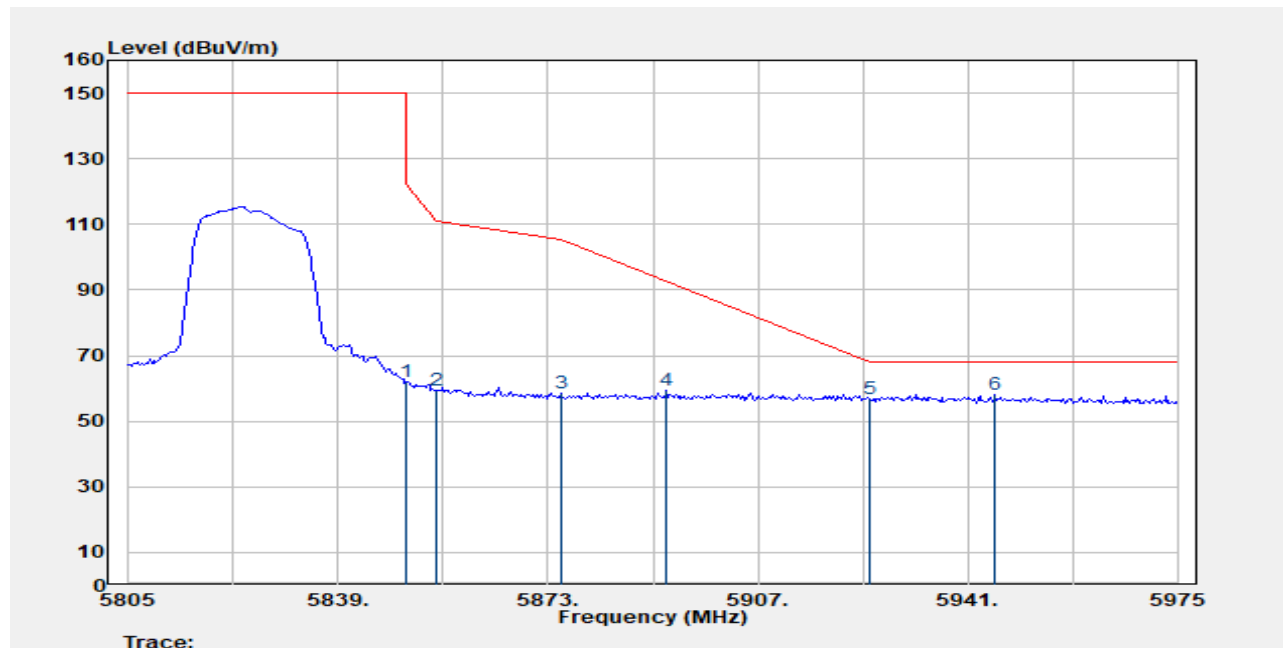
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5850.000	Peak	52.95	9.18	62.12	122.20	-60.08
5855.000	Peak	50.19	9.23	59.41	110.80	-51.39
5875.000	Peak	48.94	9.43	58.37	105.20	-46.83
5892.267	Peak	49.91	9.61	59.51	92.42	-32.91
5925.000	Peak	46.95	9.65	56.60	68.20	-11.60
5945.533	Peak	48.34	9.61	57.95	68.20	-10.25

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5190 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

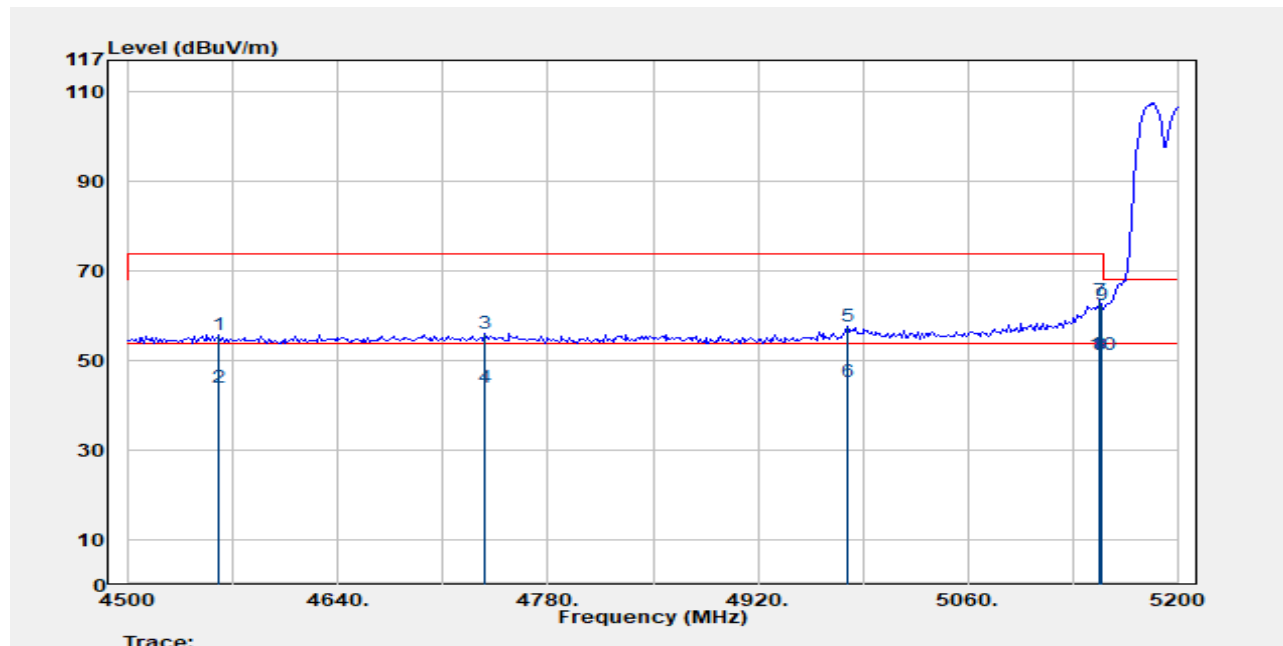
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4560.667	Peak	49.19	6.67	55.87	74.00	-18.13
4560.667	Average	37.39	6.67	44.06	54.00	-9.94
4738.000	Peak	49.01	7.21	56.22	74.00	-17.78
4738.000	Average	36.73	7.21	43.94	54.00	-10.06
4979.500	Peak	50.07	7.66	57.73	74.00	-16.27
4979.500	Average	37.54	7.66	45.20	54.00	-8.80
5148.667	Peak	55.11	8.19	63.31	74.00	-10.69
5148.667	Average	43.33	8.19	51.52	54.00	-2.48
5150.000	Peak	54.21	8.19	62.39	74.00	-11.61
5150.000	Average	43.24	8.19	51.43	54.00	-2.57

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5190 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

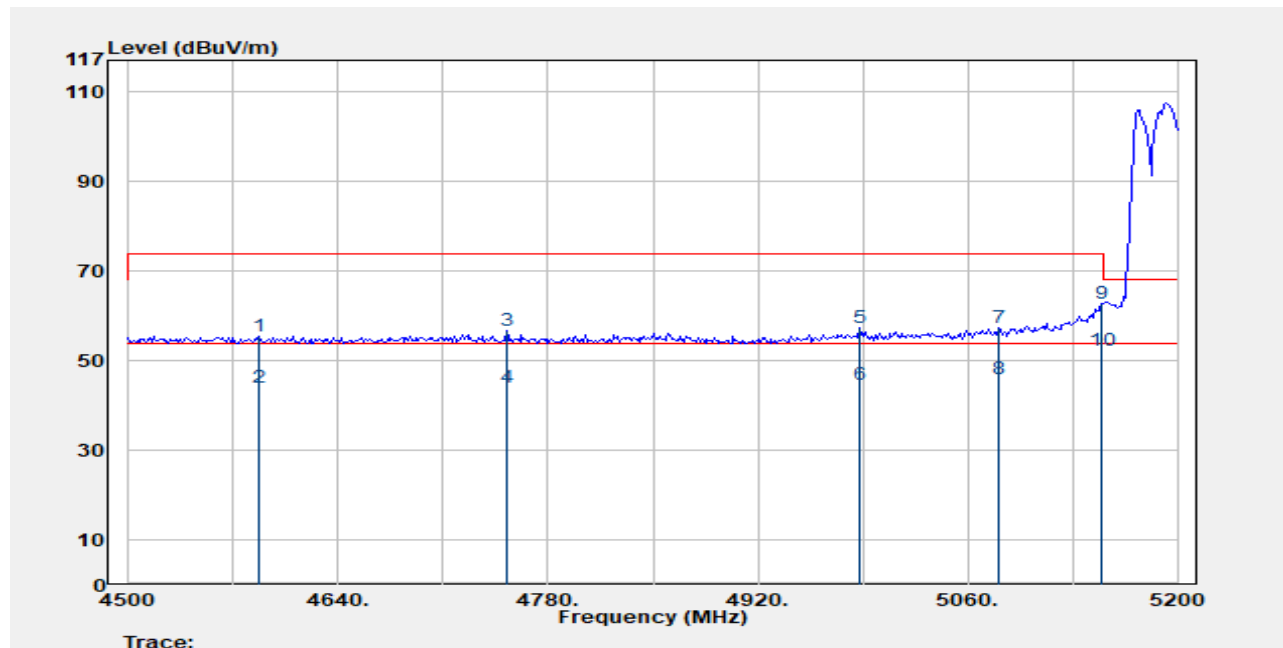
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4587.500	Peak	48.93	6.58	55.51	74.00	-18.49
4587.500	Average	37.39	6.58	43.97	54.00	-10.03
4752.000	Peak	49.63	7.24	56.87	74.00	-17.13
4752.000	Average	36.69	7.24	43.93	54.00	-10.07
4987.667	Peak	49.82	7.67	57.48	74.00	-16.52
4987.667	Average	37.03	7.67	44.70	54.00	-9.30
5081.000	Peak	49.17	8.30	57.47	74.00	-16.53
5081.000	Average	37.64	8.30	45.94	54.00	-8.06
5150.000	Peak	54.62	8.19	62.80	74.00	-11.20
5150.000	Average	44.04	8.19	52.23	54.00	-1.77

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5310 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

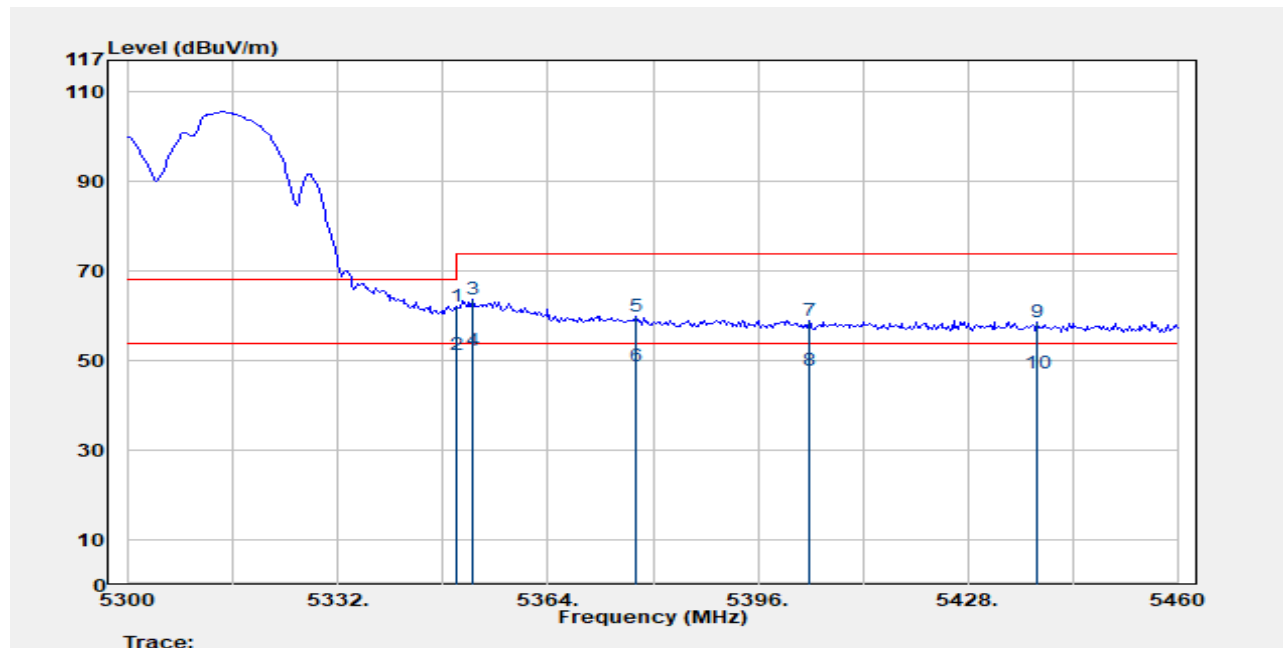
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	54.47	7.74	62.21	74.00	-11.79
5350.000	Average	43.75	7.74	51.49	54.00	-2.51
5352.533	Peak	55.89	7.77	63.66	74.00	-10.34
5352.533	Average	44.62	7.77	52.39	54.00	-1.61
5377.333	Peak	51.92	8.02	59.94	74.00	-14.06
5377.333	Average	40.70	8.02	48.72	54.00	-5.28
5403.733	Peak	50.58	8.28	58.86	74.00	-15.14
5403.733	Average	39.60	8.28	47.88	54.00	-6.12
5438.667	Peak	50.10	8.65	58.74	74.00	-15.26
5438.667	Average	38.75	8.65	47.40	54.00	-6.60

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5310 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

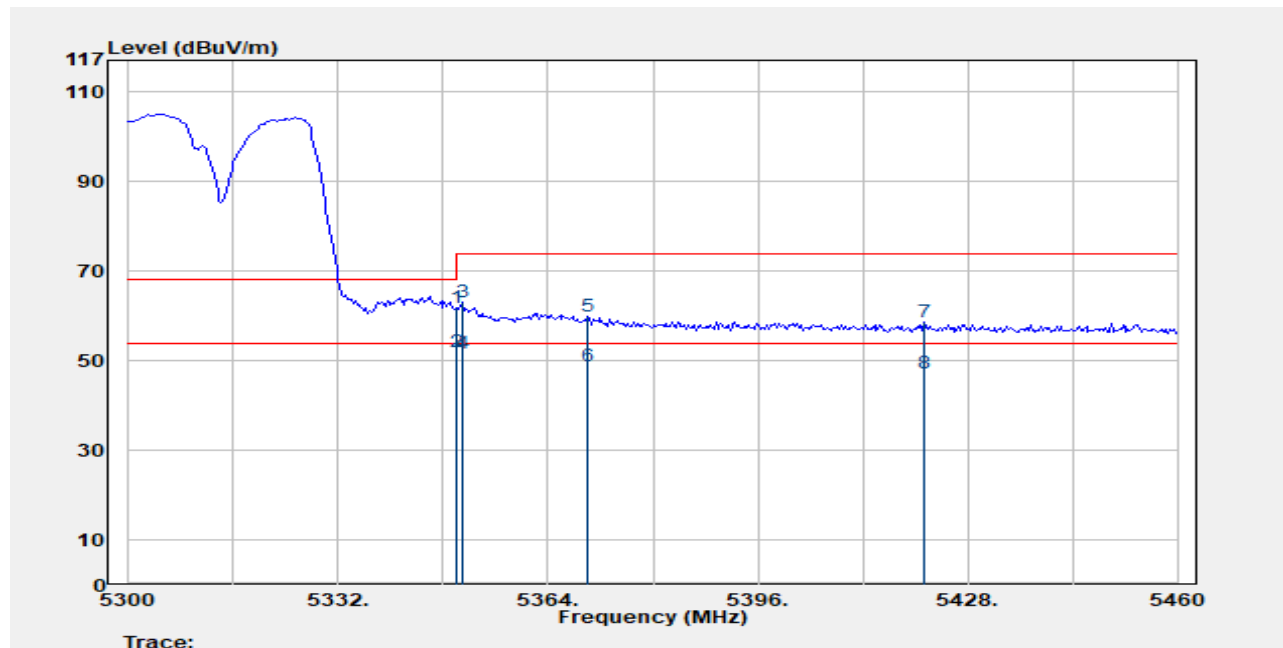
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5350.000	Peak	54.16	7.74	61.90	74.00	-12.10
5350.000	Average	44.22	7.74	51.96	54.00	-2.04
5350.933	Peak	55.24	7.75	62.99	74.00	-11.01
5350.933	Average	43.86	7.75	51.61	54.00	-2.39
5369.867	Peak	51.94	7.94	59.88	74.00	-14.12
5369.867	Average	40.94	7.94	48.88	54.00	-5.12
5421.333	Peak	50.07	8.47	58.53	74.00	-15.47
5421.333	Average	38.63	8.47	47.10	54.00	-6.90

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5510 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

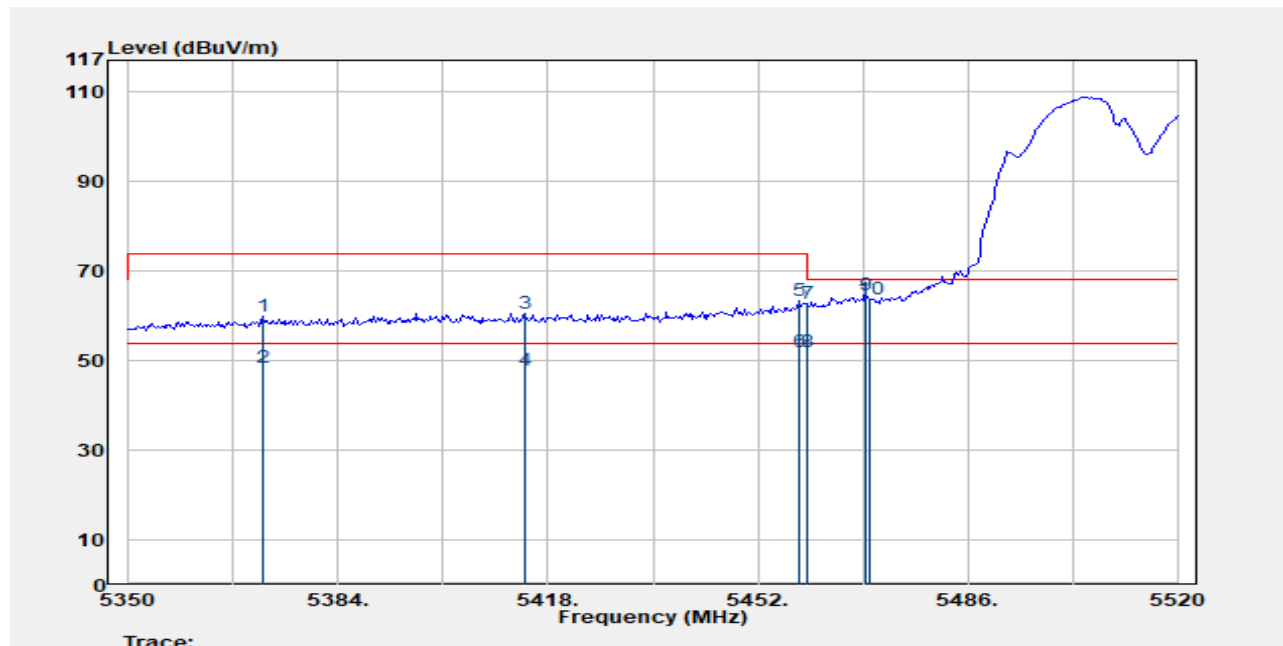
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5371.817	Peak	51.82	7.96	59.78	74.00	-14.22
5371.817	Average	40.42	7.96	48.38	54.00	-5.62
5414.317	Peak	52.22	8.39	60.61	74.00	-13.39
5414.317	Average	39.55	8.39	47.94	54.00	-6.06
5458.800	Peak	54.70	8.67	63.37	74.00	-10.63
5458.800	Average	43.21	8.67	51.88	54.00	-2.12
5460.000	Peak	54.08	8.66	62.74	74.00	-11.26
5460.000	Average	43.49	8.66	52.15	54.00	-1.85
5469.567	Peak	56.12	8.56	64.68	68.20	-3.52
5470.000	Peak	55.21	8.56	63.77	68.20	-4.43

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5510 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

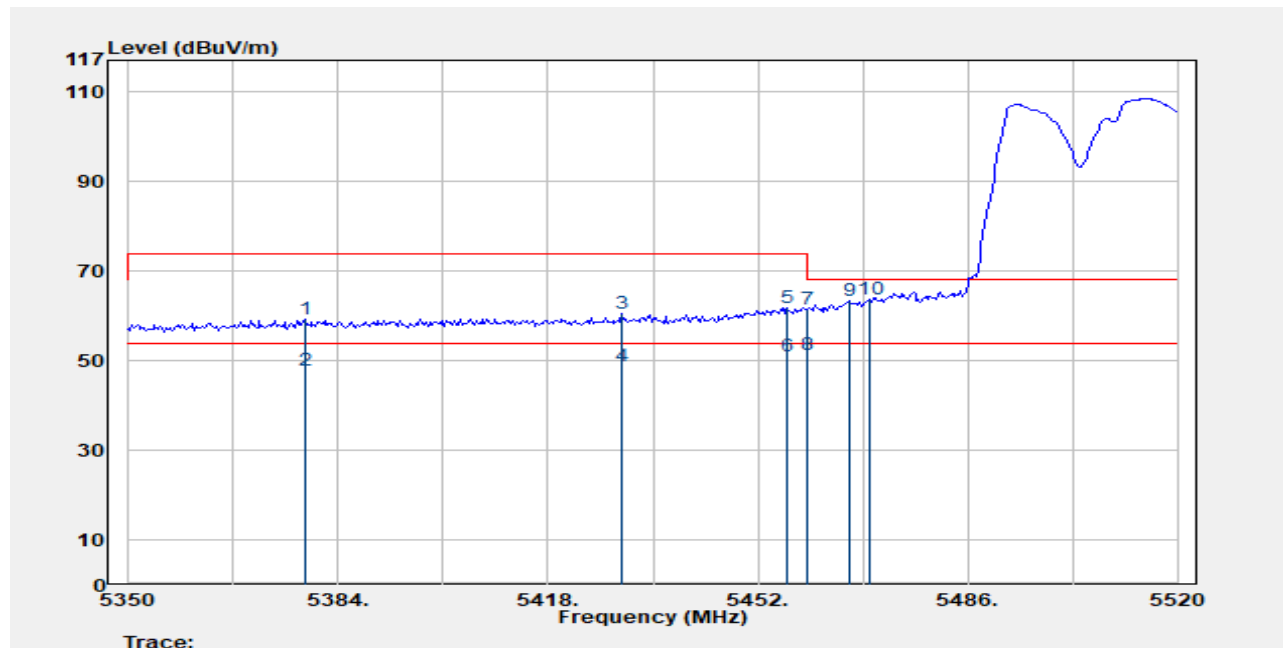
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5378.617	Peak	51.24	8.03	59.27	74.00	-14.73
5378.617	Average	39.92	8.03	47.95	54.00	-6.05
5429.900	Peak	51.90	8.55	60.45	74.00	-13.55
5429.900	Average	40.24	8.55	48.79	54.00	-5.21
5456.817	Peak	53.27	8.69	61.96	74.00	-12.04
5456.817	Average	42.39	8.69	51.08	54.00	-2.92
5460.000	Peak	52.85	8.66	61.51	74.00	-12.49
5460.000	Average	42.67	8.66	51.33	54.00	-2.67
5467.017	Peak	54.86	8.59	63.44	68.20	-4.76
5470.000	Peak	55.22	8.56	63.78	68.20	-4.42

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Report Number :ER-2021-A0117

Operation Mode :802.11n40

Test Frequency :5670 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

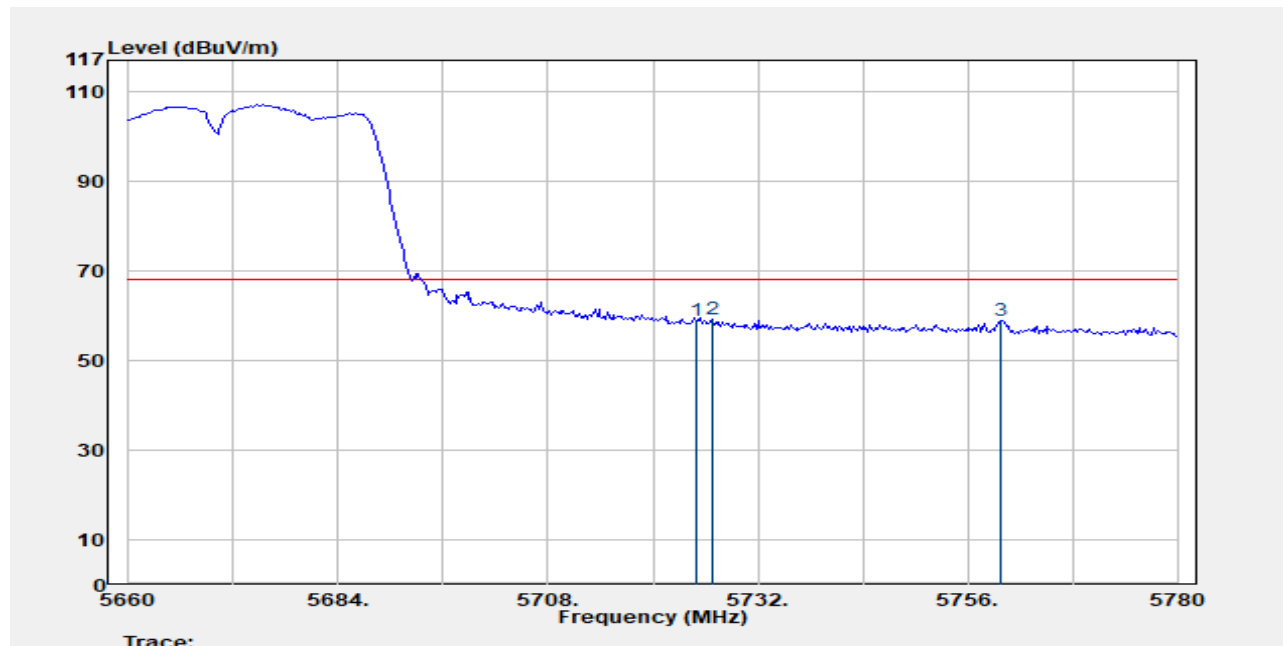
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	50.01	8.84	58.85	68.20	-9.35
5726.800	Peak	50.44	8.86	59.30	68.20	-8.90
5759.800	Peak	50.16	8.92	59.08	68.20	-9.12

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Report Number :ER-2021-A0117

Operation Mode :802.11n40

Test Frequency :5670 MHz

Test Mode :Bandedge CH High

EUT Pol :E2 Plane

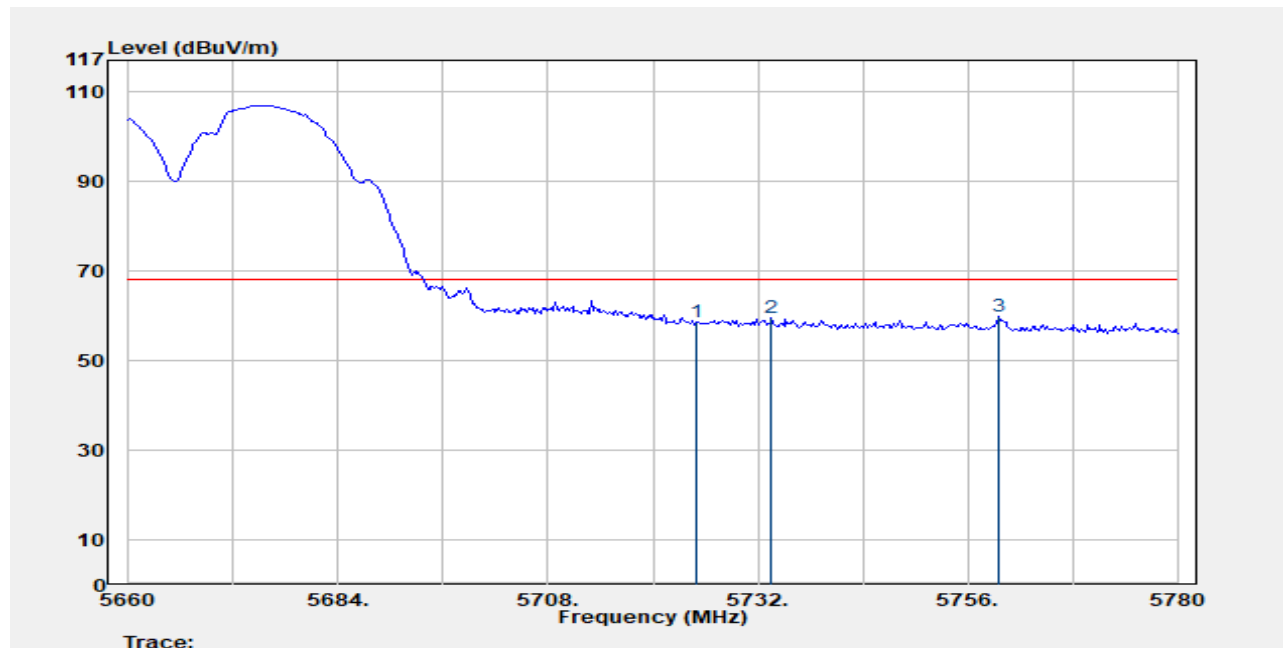
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5725.000	Peak	49.79	8.84	58.64	68.20	-9.56
5733.600	Peak	50.79	8.92	59.70	68.20	-8.50
5759.600	Peak	50.87	8.92	59.78	68.20	-8.42

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Report Number :ER/2021/A0117

Operation Mode :802.11n40

Test Frequency :5755 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

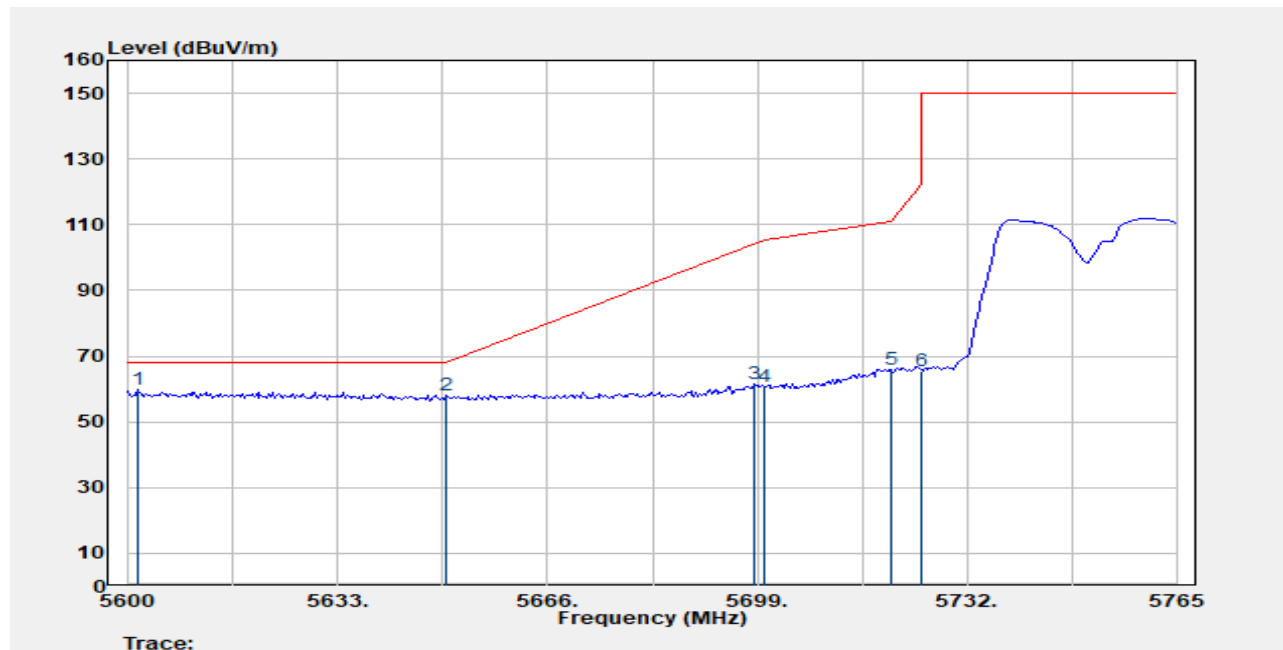
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5601.375	Peak	51.14	8.65	59.80	68.20	-8.40
5650.000	Peak	49.96	7.97	57.93	68.20	-10.27
5698.450	Peak	53.06	8.61	61.68	104.05	-42.38
5700.000	Peak	51.92	8.64	60.56	105.20	-44.64
5720.000	Peak	57.22	8.80	66.03	110.80	-44.77
5725.000	Peak	56.56	8.84	65.41	122.20	-56.79

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Report Number :ER-2021-A0117

Operation Mode :802.11n40

Test Frequency :5755 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

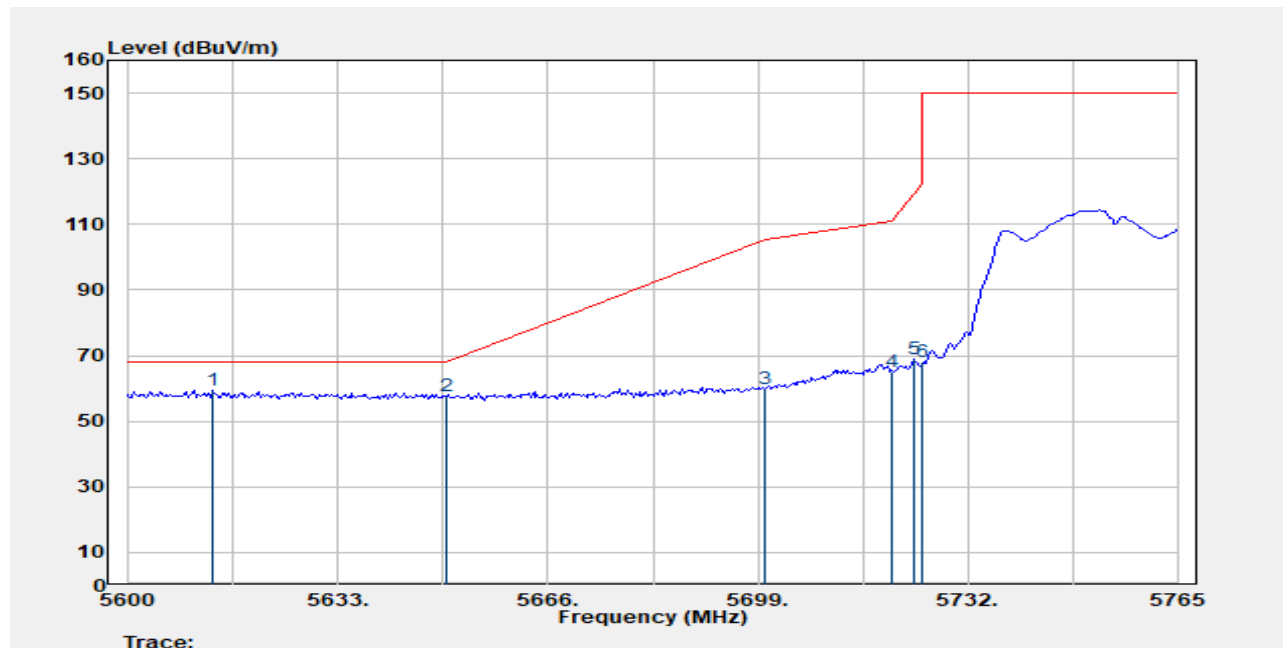
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5613.200	Peak	50.75	8.49	59.23	68.20	-8.97
5650.000	Peak	49.68	7.97	57.65	68.20	-10.55
5700.000	Peak	51.18	8.64	59.81	105.20	-45.39
5720.000	Peak	56.27	8.80	65.07	110.80	-45.73
5723.475	Peak	59.92	8.83	68.75	118.72	-49.97
5725.000	Peak	59.44	8.84	68.28	122.20	-53.92

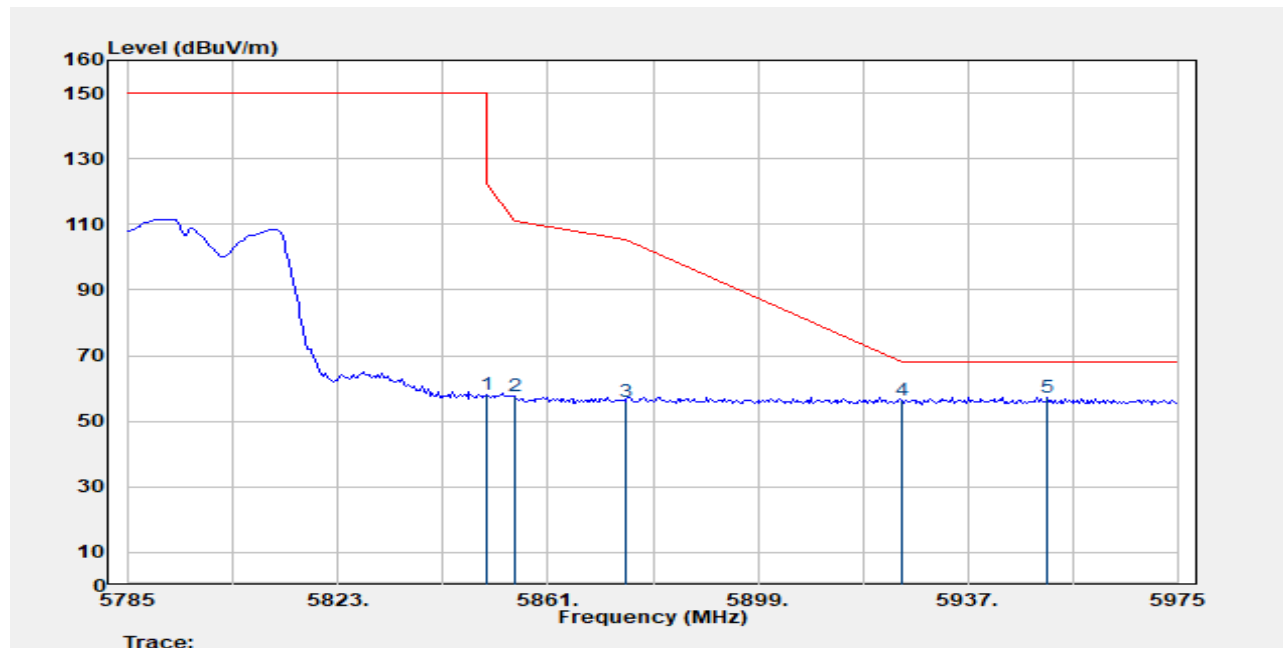
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Report Number :ER-2021-A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Vertical
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	48.73	9.18	57.91	122.20	-64.29
5855.000	Peak	48.63	9.23	57.86	110.80	-52.94
5875.000	Peak	46.64	9.43	56.07	105.20	-49.13
5925.000	Peak	46.79	9.65	56.43	68.20	-11.77
5951.567	Peak	47.72	9.60	57.32	68.20	-10.88

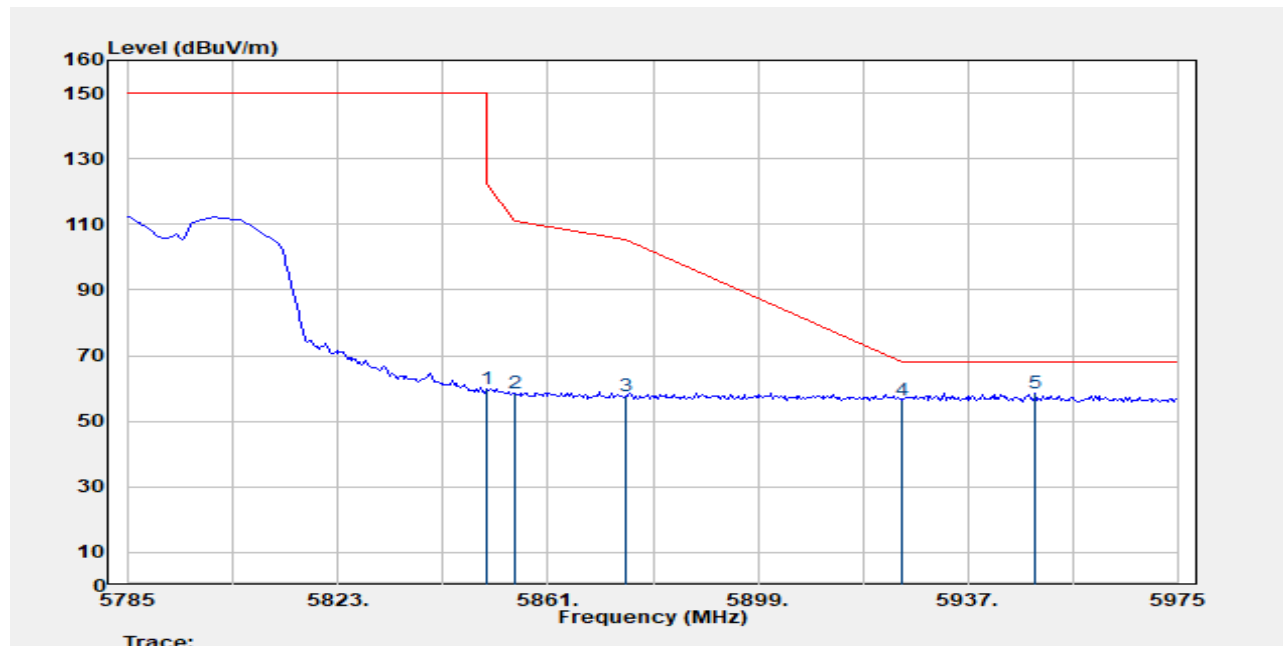
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Report Number :ER-2021-A0117
 Operation Mode :802.11n40
 Test Frequency :5795 MHz
 Test Mode :Bandedge CH High
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5850.000	Peak	50.47	9.18	59.65	122.20	-62.55
5855.000	Peak	49.31	9.23	58.53	110.80	-52.27
5875.000	Peak	48.25	9.43	57.68	105.20	-47.52
5925.000	Peak	46.57	9.65	56.22	68.20	-11.98
5949.350	Peak	49.12	9.61	58.72	68.20	-9.48

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5210 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

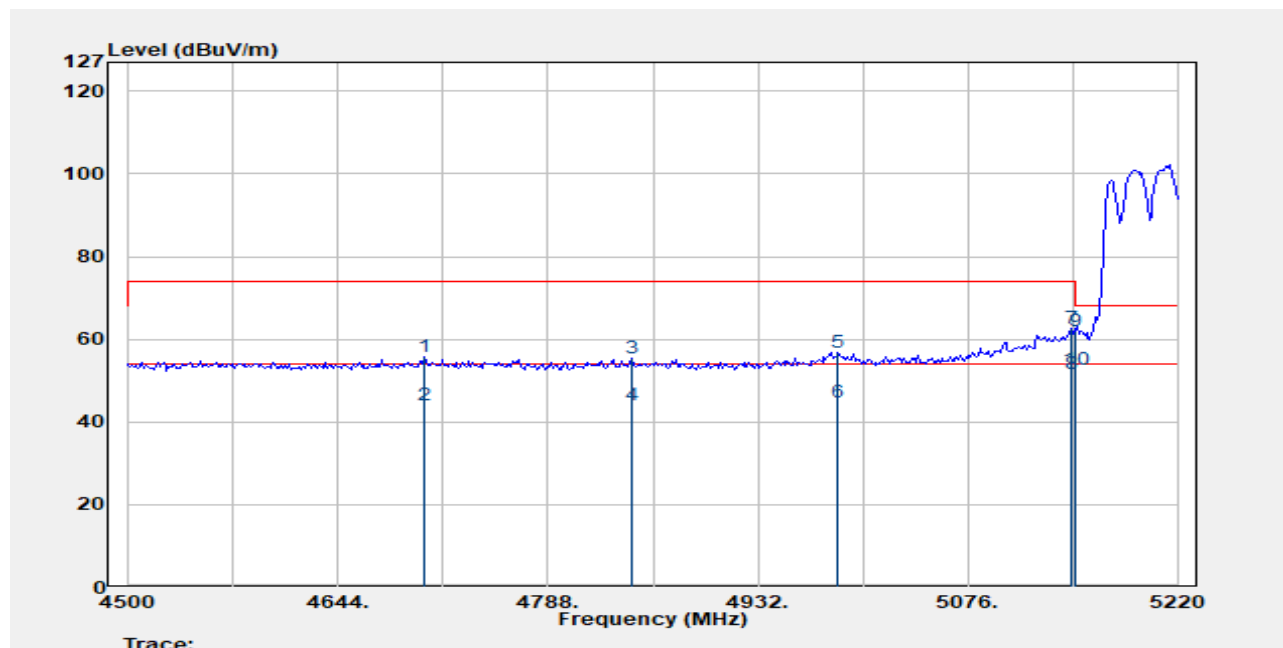
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4702.800	Peak	48.51	7.09	55.61	74.00	-18.39
4702.800	Average	36.92	7.09	44.01	54.00	-9.99
4845.600	Peak	48.20	7.38	55.57	74.00	-18.43
4845.600	Average	36.76	7.38	44.14	54.00	-9.86
4987.200	Peak	49.08	7.67	56.75	74.00	-17.25
4987.200	Average	37.18	7.67	44.85	54.00	-9.15
5146.800	Peak	54.49	8.21	62.70	74.00	-11.30
5146.800	Average	43.49	8.21	51.70	54.00	-2.30
5150.000	Peak	53.68	8.19	61.87	74.00	-12.13
5150.000	Average	44.55	8.19	52.74	54.00	-1.26

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5210 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

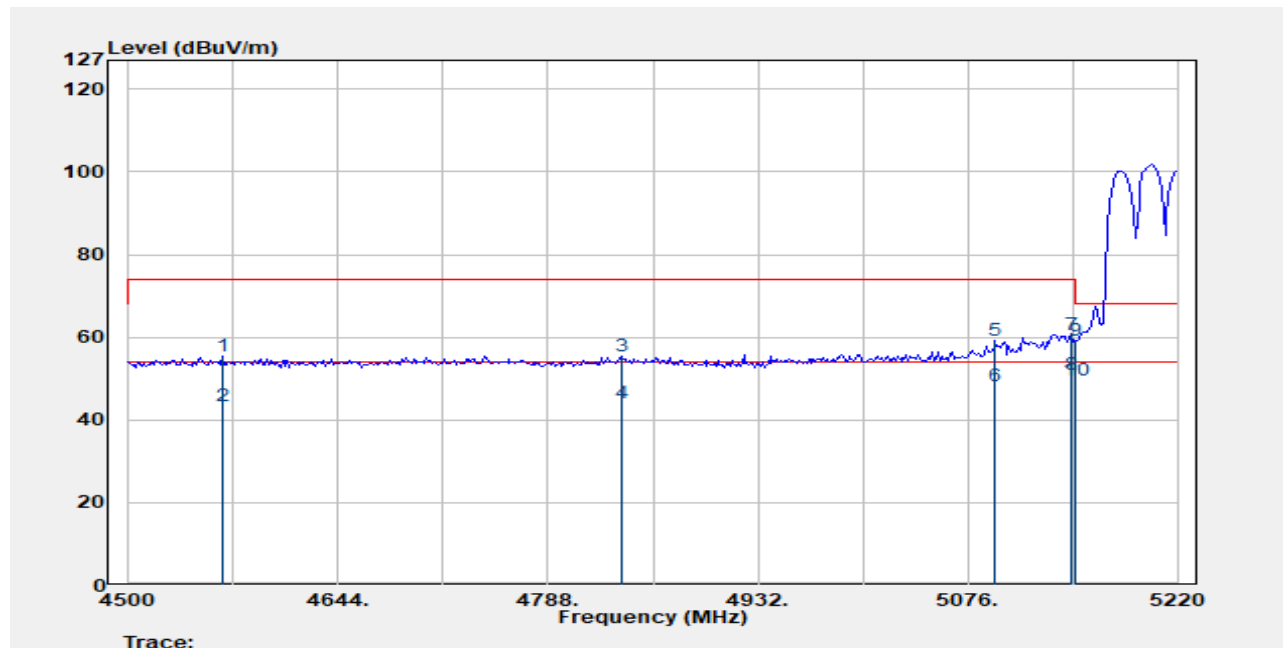
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4564.800	Peak	48.85	6.66	55.51	74.00	-18.49
4564.800	Average	36.88	6.66	43.54	54.00	-10.46
4838.400	Peak	48.02	7.31	55.33	74.00	-18.67
4838.400	Average	36.60	7.31	43.91	54.00	-10.09
5095.200	Peak	50.76	8.46	59.22	74.00	-14.78
5095.200	Average	39.69	8.46	48.15	54.00	-5.85
5146.800	Peak	52.38	8.21	60.59	74.00	-13.41
5146.800	Average	42.76	8.21	50.97	54.00	-3.03
5150.000	Peak	51.14	8.19	59.33	74.00	-14.67
5150.000	Average	41.22	8.19	49.41	54.00	-4.59

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5290 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

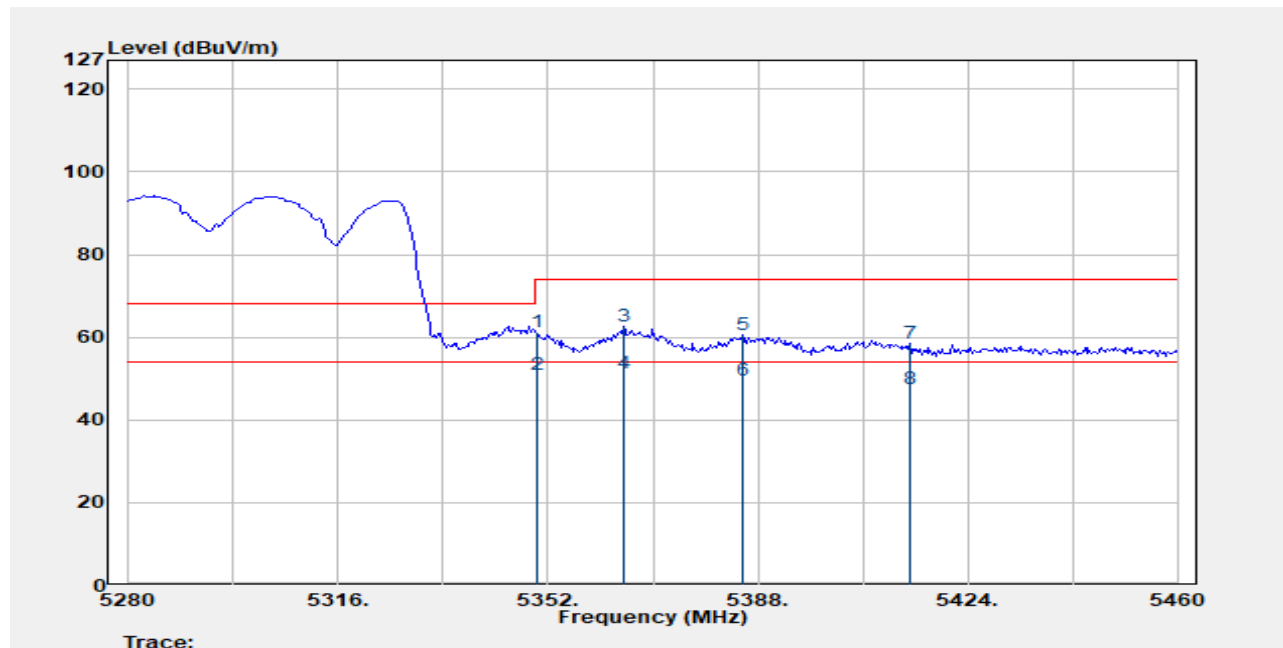
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5350.000	Peak	53.39	7.74	61.13	74.00	-12.87
5350.000	Average	43.18	7.74	50.92	54.00	-3.08
5364.900	Peak	54.71	7.89	62.61	74.00	-11.39
5364.900	Average	43.22	7.89	51.11	54.00	-2.89
5385.300	Peak	52.48	8.10	60.58	74.00	-13.42
5385.300	Average	41.60	8.10	49.70	54.00	-4.30
5414.100	Peak	50.17	8.39	58.56	74.00	-15.44
5414.100	Average	38.97	8.39	47.36	54.00	-6.64

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5290 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

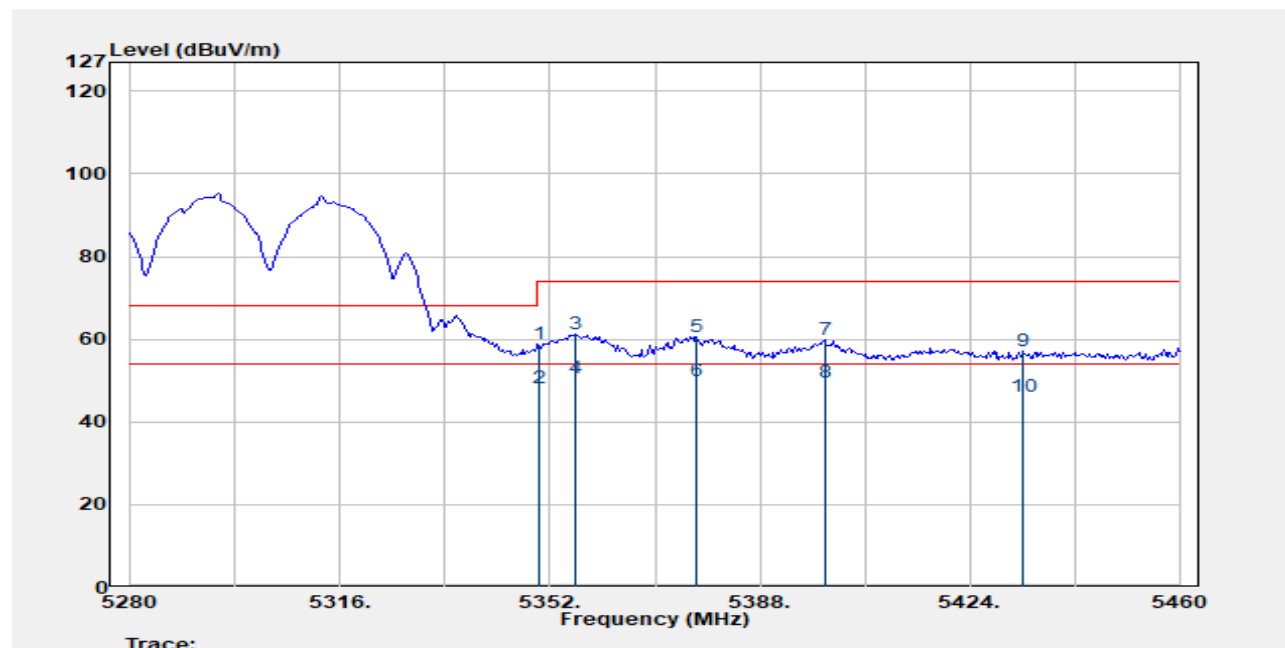
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5350.000	Peak	51.02	7.74	58.77	74.00	-15.23
5350.000	Average	40.46	7.74	48.20	54.00	-5.80
5356.500	Peak	53.50	7.81	61.31	74.00	-12.69
5356.500	Average	42.77	7.81	50.58	54.00	-3.42
5377.200	Peak	52.57	8.02	60.58	74.00	-13.42
5377.200	Average	41.99	8.02	50.01	54.00	-3.99
5399.100	Peak	51.50	8.23	59.74	74.00	-14.26
5399.100	Average	41.18	8.23	49.41	54.00	-4.59
5433.300	Peak	48.63	8.59	57.22	74.00	-16.78
5433.300	Average	37.60	8.59	46.19	54.00	-7.81

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5530 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

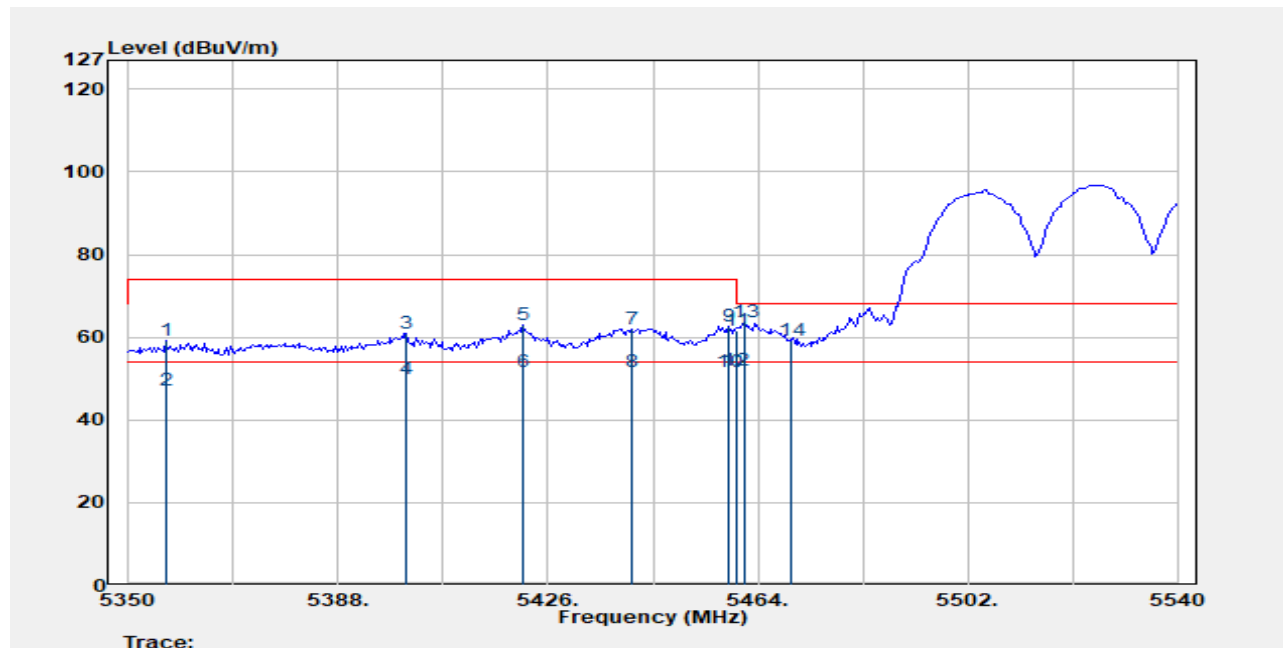
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5356.650	Peak	51.45	7.81	59.26	74.00	-14.74
5356.650	Average	39.30	7.81	47.11	54.00	-6.89
5400.350	Peak	52.83	8.25	61.08	74.00	-12.92
5400.350	Average	41.64	8.25	49.89	54.00	-4.11
5421.567	Peak	54.39	8.47	62.86	74.00	-11.14
5421.567	Average	43.04	8.47	51.51	54.00	-2.49
5441.200	Peak	53.44	8.67	62.11	74.00	-11.89
5441.200	Average	42.96	8.67	51.63	54.00	-2.37
5458.617	Peak	53.93	8.67	62.60	74.00	-11.40
5458.617	Average	42.88	8.67	51.55	54.00	-2.45
5460.000	Peak	52.94	8.66	61.60	74.00	-12.40
5460.000	Average	43.19	8.66	51.85	54.00	-2.15
5461.783	Peak	55.14	8.64	63.78	68.20	-4.42
5470.000	Peak	50.81	8.56	59.36	68.20	-8.84

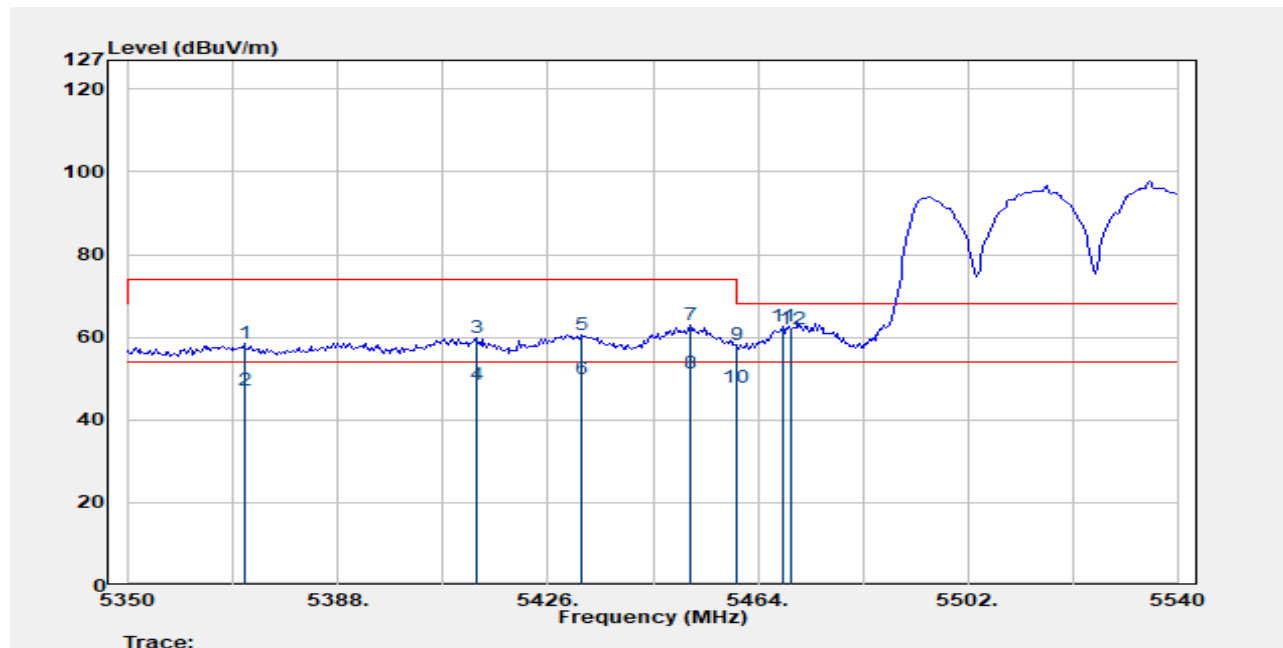
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Report Number :ER/2021/A0117
 Operation Mode :802.11ac80
 Test Frequency :5530 MHz
 Test Mode :Bandedge CH Low
 EUT Pol :E2 Plane

Test Site :SAC 3
 Test Date :2022-02-21
 Temp./Humi. :18.7/57
 Antenna Pol. :Horizontal
 Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5370.900	Peak	50.41	7.95	58.36	74.00	-15.64
5370.900	Average	39.22	7.95	47.17	54.00	-6.83
5413.017	Peak	51.56	8.38	59.94	74.00	-14.06
5413.017	Average	40.26	8.38	48.64	54.00	-5.36
5432.017	Peak	52.13	8.58	60.71	74.00	-13.29
5432.017	Average	41.35	8.58	49.93	54.00	-4.07
5451.650	Peak	54.24	8.75	62.98	74.00	-11.02
5451.650	Average	42.50	8.75	51.25	54.00	-2.75
5460.000	Peak	49.37	8.66	58.03	74.00	-15.97
5460.000	Average	39.23	8.66	47.89	54.00	-6.11
5468.433	Peak	54.18	8.57	62.75	68.20	-5.45
5470.000	Peak	53.52	8.56	62.08	68.20	-6.12

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5610 MHz

Test Mode :Bandedge CH Mid

EUT Pol :E2 Plane

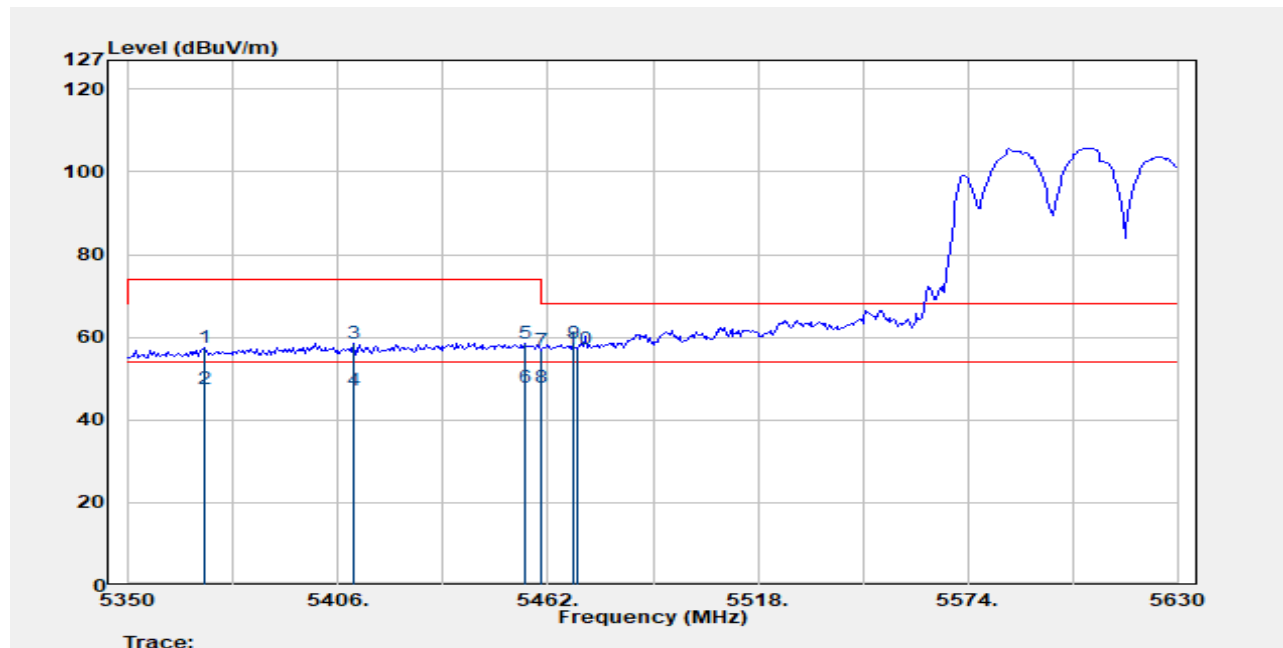
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5370.067	Peak	49.37	7.95	57.32	74.00	-16.68
5370.067	Average	39.50	7.95	47.45	54.00	-6.55
5410.200	Peak	50.03	8.35	58.38	74.00	-15.62
5410.200	Average	38.68	8.35	47.03	54.00	-6.97
5455.933	Peak	49.73	8.70	58.43	74.00	-15.57
5455.933	Average	39.15	8.70	47.85	54.00	-6.15
5460.000	Peak	48.10	8.66	56.76	74.00	-17.24
5460.000	Average	39.16	8.66	47.82	54.00	-6.18
5468.533	Peak	49.88	8.57	58.45	68.20	-9.75
5470.000	Peak	48.74	8.56	57.29	68.20	-10.91

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5610 MHz

Test Mode :Bandedge CH Mid

EUT Pol :E2 Plane

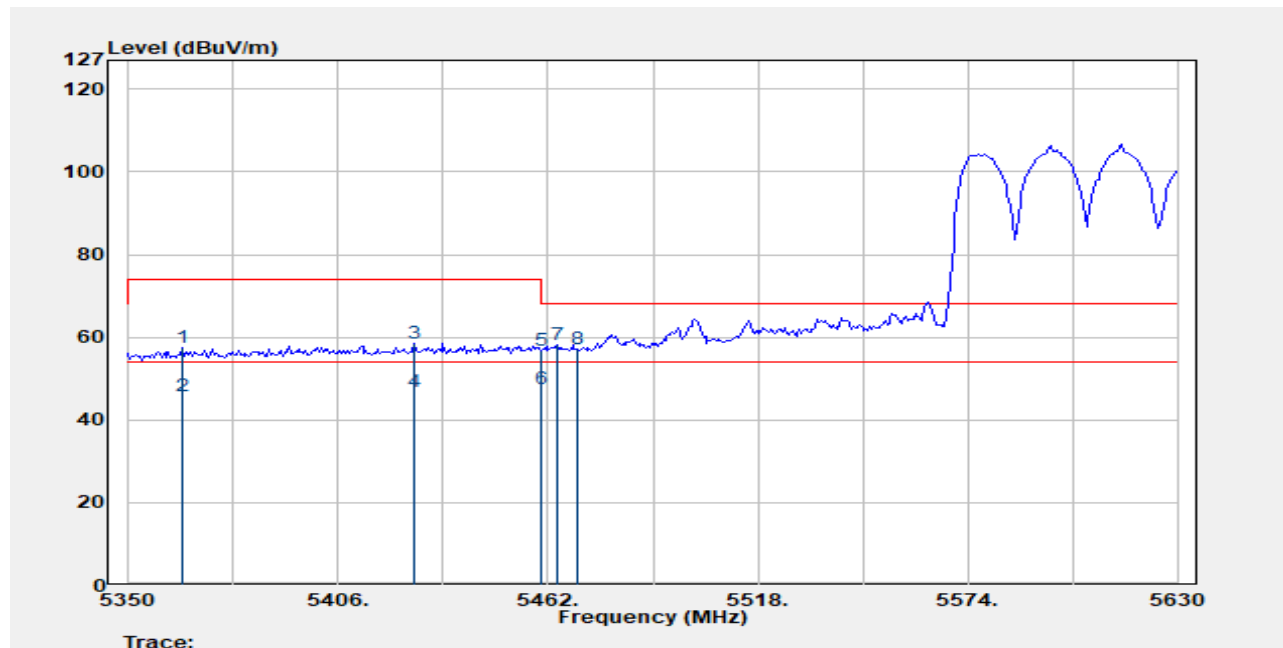
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
5364.467	Peak	49.47	7.89	57.36	74.00	-16.64
5364.467	Average	37.82	7.89	45.71	54.00	-8.29
5426.067	Peak	49.94	8.51	58.46	74.00	-15.54
5426.067	Average	38.27	8.51	46.78	54.00	-7.22
5460.000	Peak	48.14	8.66	56.80	74.00	-17.20
5460.000	Average	38.78	8.66	47.44	54.00	-6.56
5464.333	Peak	49.61	8.61	58.22	68.20	-9.98
5470.000	Peak	48.56	8.56	57.11	68.20	-11.09

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5610 MHz

Test Mode :Bandedge CH Mid

EUT Pol :E2 Plane

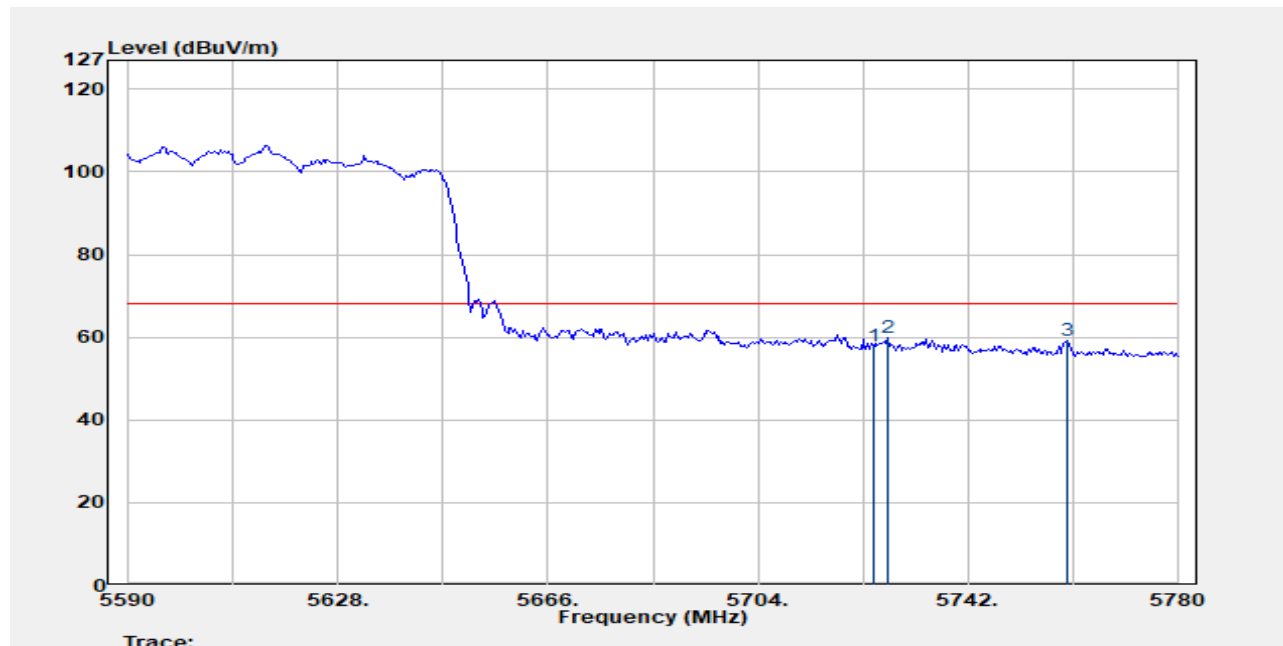
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level d μ V	Factor dB	Actual FS d μ V/m	Limit @3m d μ V/m	Margin dB
5725.000	Peak	48.90	8.84	57.74	68.20	-10.46
5727.433	Peak	50.89	8.86	59.75	68.20	-8.45
5760.050	Peak	50.45	8.91	59.36	68.20	-8.84

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5610 MHz

Test Mode :Bandedge CH Mid

EUT Pol :E2 Plane

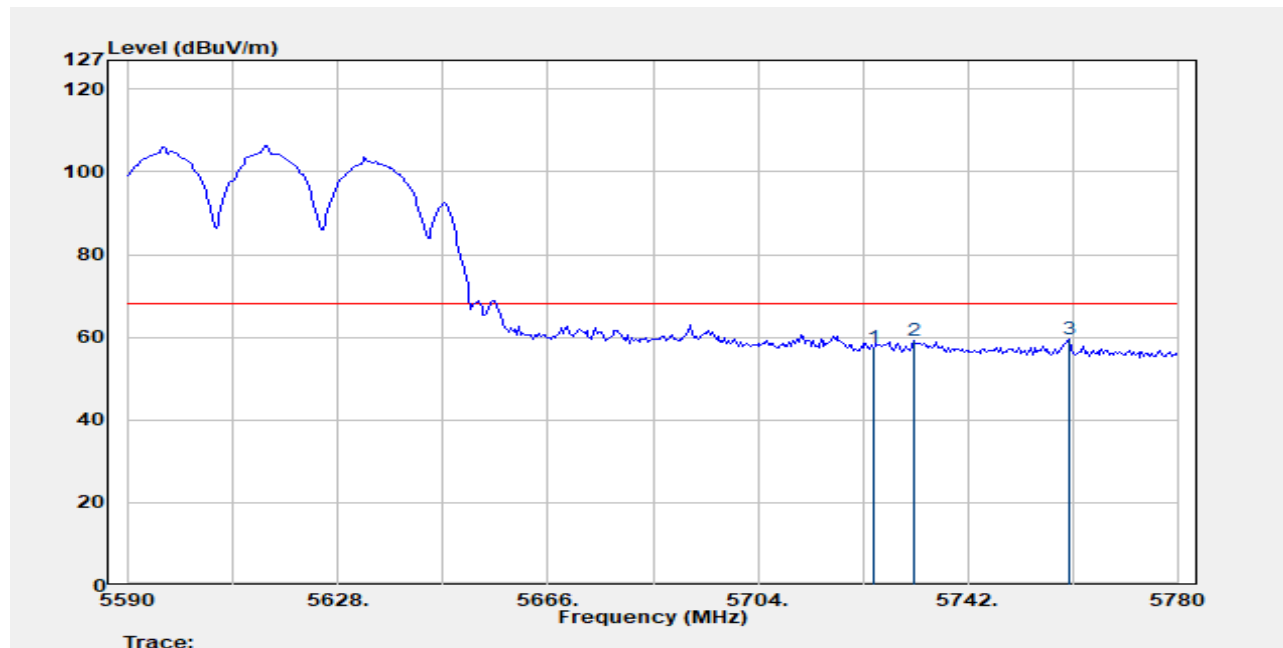
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5725.000	Peak	48.77	8.84	57.61	68.20	-10.59
5732.183	Peak	50.13	8.90	59.03	68.20	-9.17
5760.367	Peak	50.53	8.91	59.43	68.20	-8.77

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5775 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

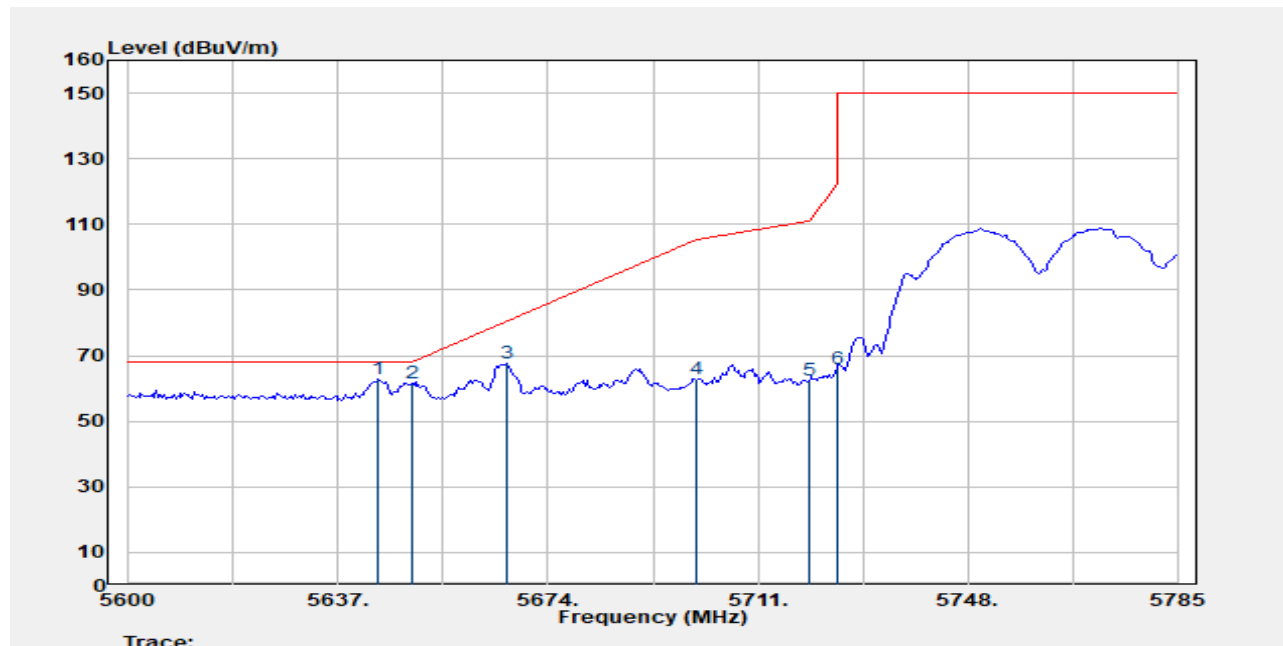
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5644.092	Peak	54.93	8.06	62.99	68.20	-5.21
5650.000	Peak	53.79	7.97	61.76	68.20	-6.44
5666.600	Peak	59.28	8.19	67.47	80.48	-13.01
5700.000	Peak	54.09	8.64	62.73	105.20	-42.47
5720.000	Peak	53.74	8.80	62.54	110.80	-48.26
5725.000	Peak	57.17	8.84	66.01	122.20	-56.19

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5775 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

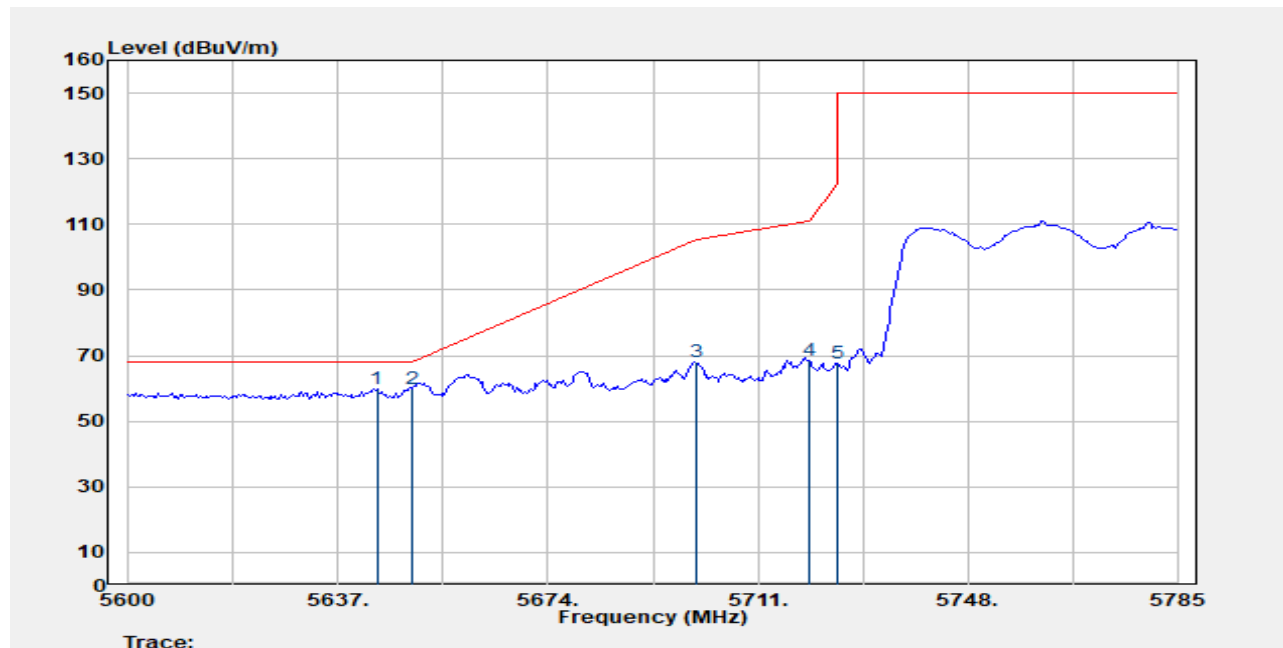
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5643.783	Peak	51.72	8.06	59.78	68.20	-8.42
5650.000	Peak	52.08	7.97	60.05	68.20	-8.15
5700.000	Peak	59.36	8.64	67.99	105.20	-37.21
5720.000	Peak	59.59	8.80	68.39	110.80	-42.41
5725.000	Peak	58.79	8.84	67.63	122.20	-54.57

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5775 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

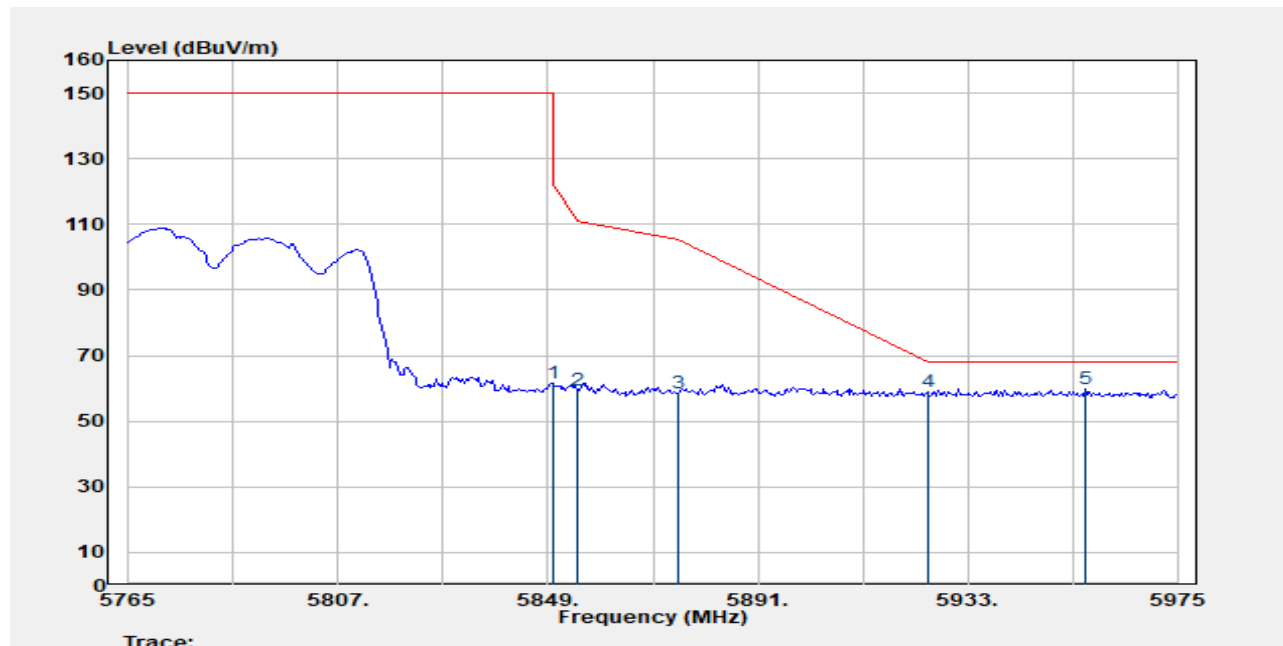
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Vertical

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	52.37	9.18	61.54	122.20	-60.66
5855.000	Peak	50.02	9.23	59.24	110.80	-51.56
5875.000	Peak	49.12	9.43	58.55	105.20	-46.65
5925.000	Peak	49.38	9.65	59.02	68.20	-9.18
5956.450	Peak	50.27	9.57	59.83	68.20	-8.37

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Report Number :ER/2021/A0117

Operation Mode :802.11ac80

Test Frequency :5775 MHz

Test Mode :Bandedge CH Low

EUT Pol :E2 Plane

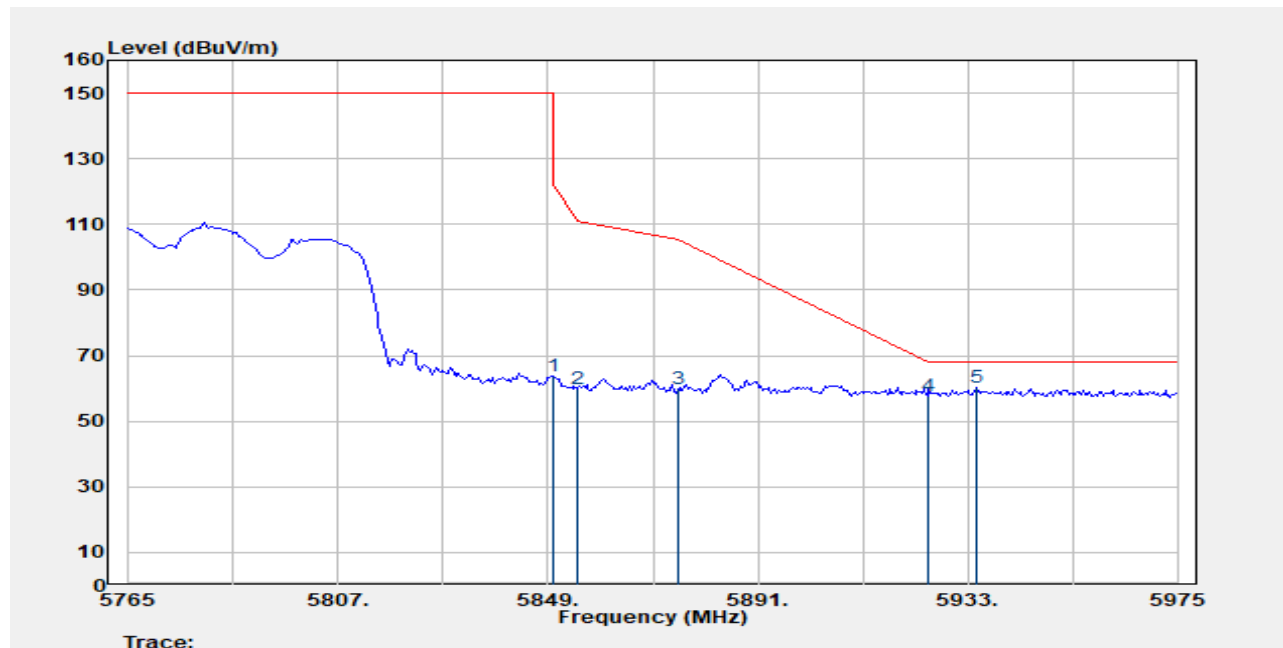
Test Site :SAC 3

Test Date :2022-02-21

Temp./Humi. :18.7/57

Antenna Pol. :Horizontal

Engineer :Jack Liu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5850.000	Peak	54.50	9.18	63.68	122.20	-58.52
5855.000	Peak	50.48	9.23	59.71	110.80	-51.09
5875.000	Peak	50.21	9.43	59.64	105.20	-45.56
5925.000	Peak	48.19	9.65	57.84	68.20	-10.36
5934.750	Peak	50.52	9.63	60.15	68.20	-8.05

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12 TRANSMISSION IN THE ABSENCE OF DATA

12.1 Standard Applicable

According to §15.407(c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

12.2 Result

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

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

13.2 Antenna Connected Construction

The antenna is designed with unique RF connector and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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