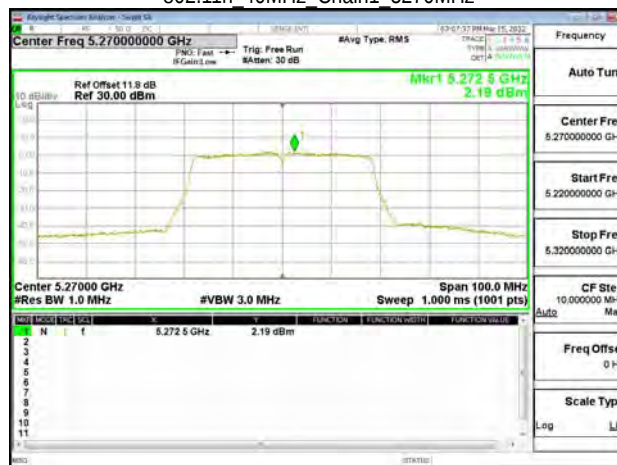


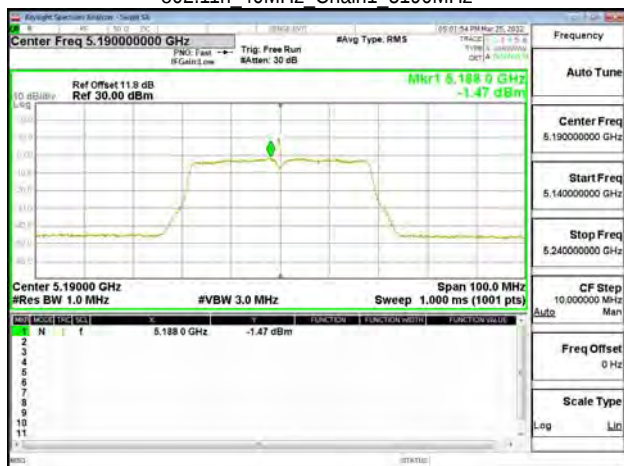
802.11n 40MHz Chain0 5795MHz



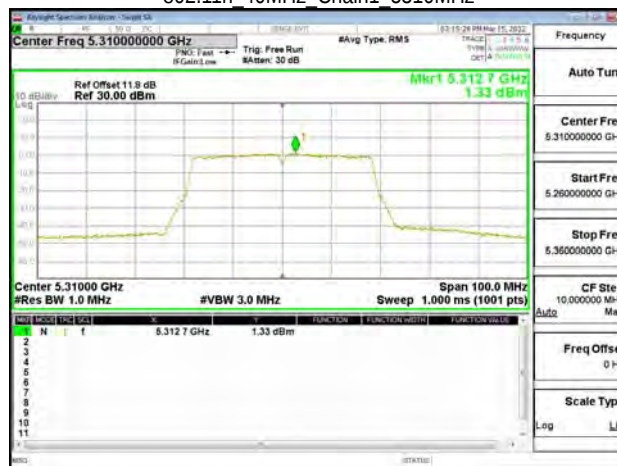
802.11n 40MHz Chain1 5270MHz



802.11n 40MHz Chain1 5190MHz



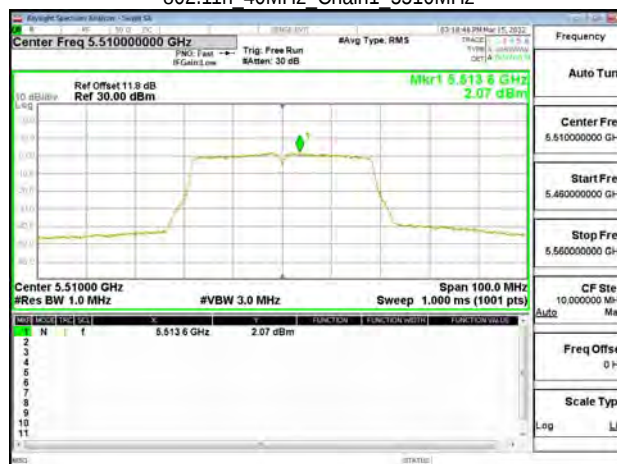
802.11n 40MHz Chain1 5310MHz



802.11n 40MHz Chain1 5230MHz



802.11n 40MHz Chain1 5510MHz

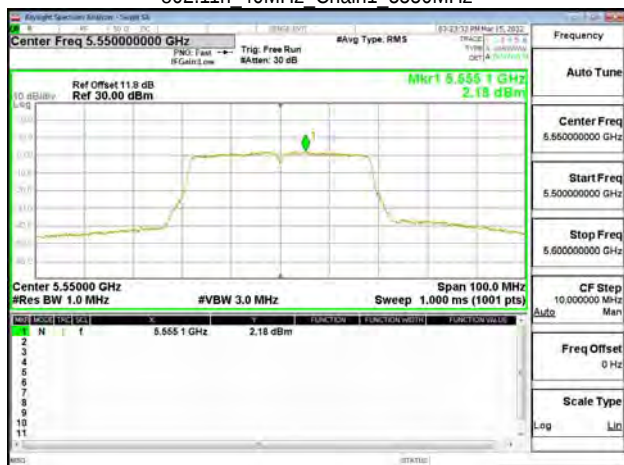


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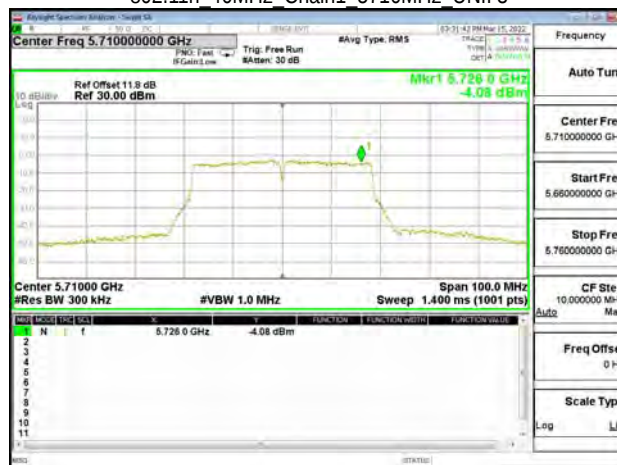
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802.11n 40MHz Chain1 5550MHz



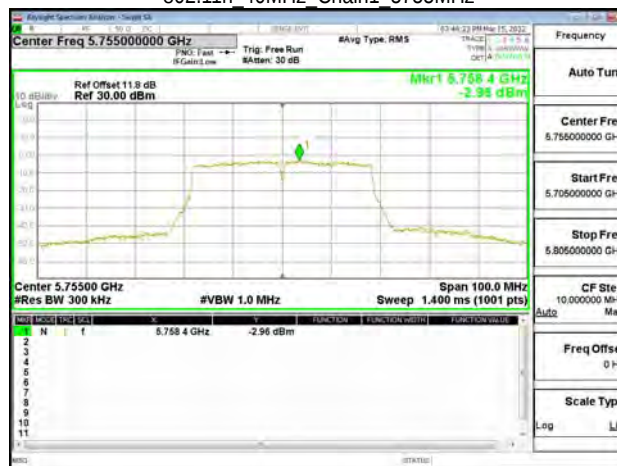
802.11n 40MHz Chain1 5710MHz UNII 3



802.11n 40MHz Chain1 5670MHz



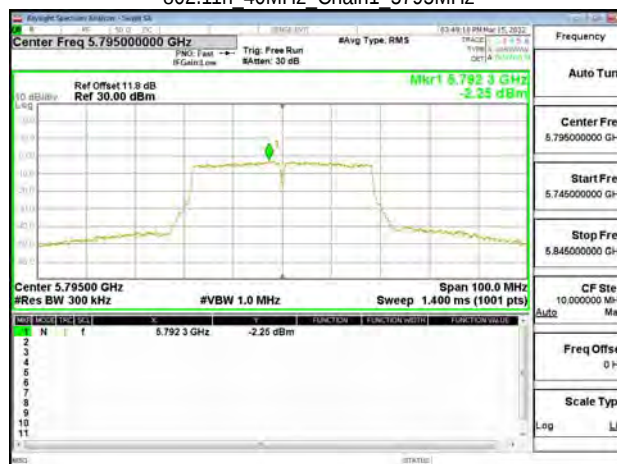
802.11n 40MHz Chain1 5755MHz



802.11n 40MHz Chain1 5710MHz UNII 2C



802.11n 40MHz Chain1 5795MHz



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802.11ac 20MHz Chain0 5180MHz



802.11ac 20MHz Chain1 5180MHz



802.11ac 20MHz Chain0 5220MHz



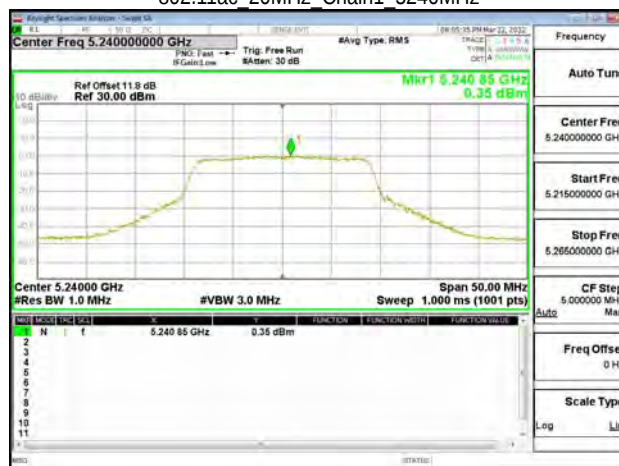
802.11ac 20MHz Chain1 5220MHz



802.11ac 20MHz Chain0 5240MHz



802.11ac 20MHz Chain1 5240MHz

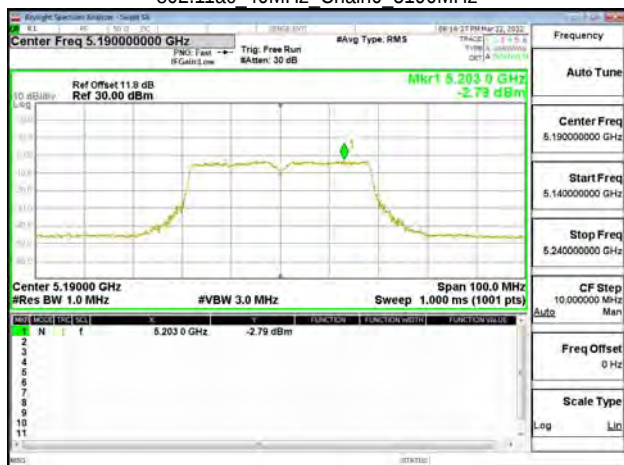


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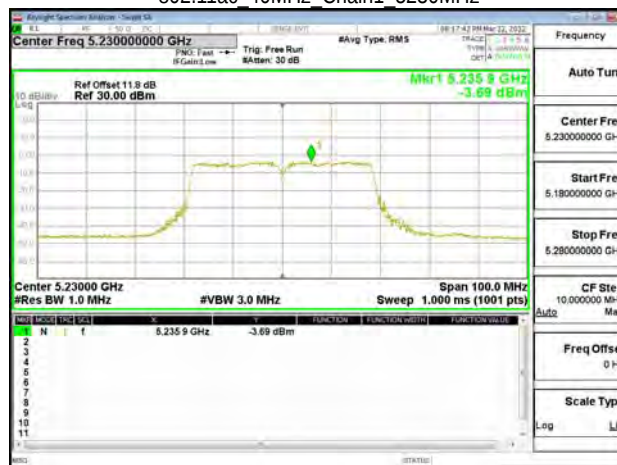
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802.11ac 40MHz Chain0 5190MHz



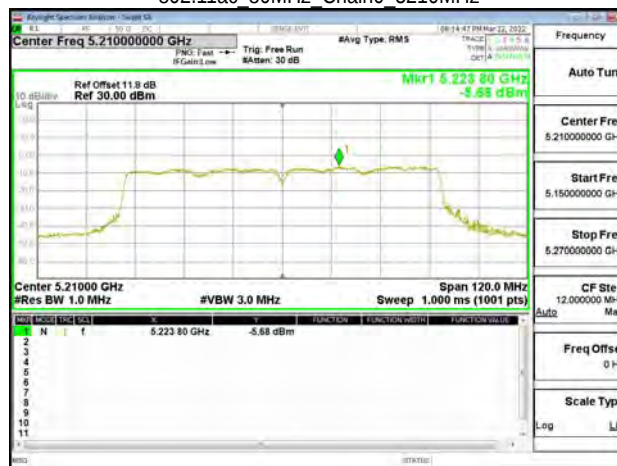
802.11ac 40MHz Chain1 5230MHz



802.11ac 40MHz Chain0 5230MHz



802.11ac 80MHz Chain0 5210MHz



802.11ac 40MHz Chain1 5190MHz



802.11ac 80MHz Chain0 5290MHz



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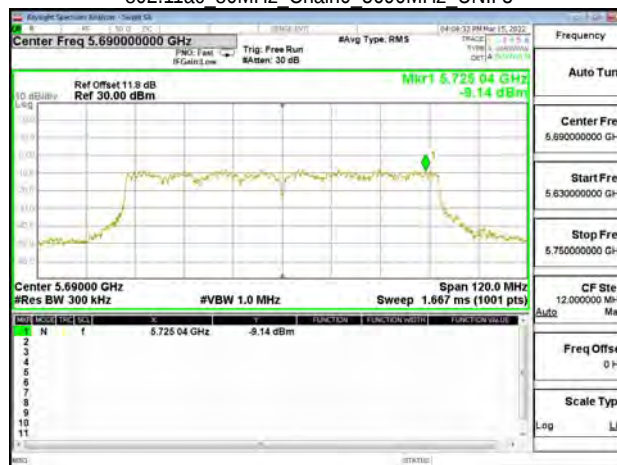
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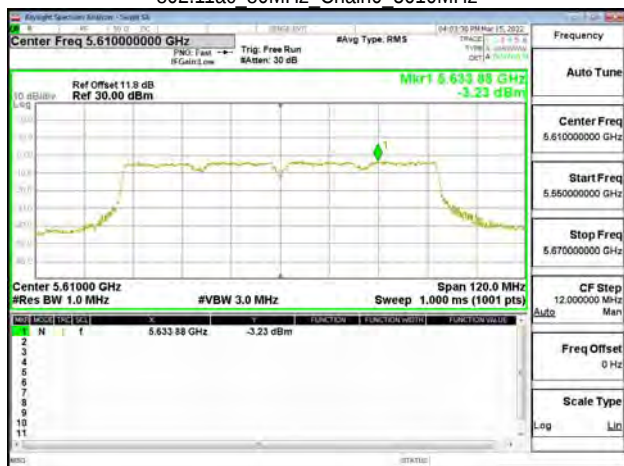
802.11ac 80MHz Chain0 5530MHz



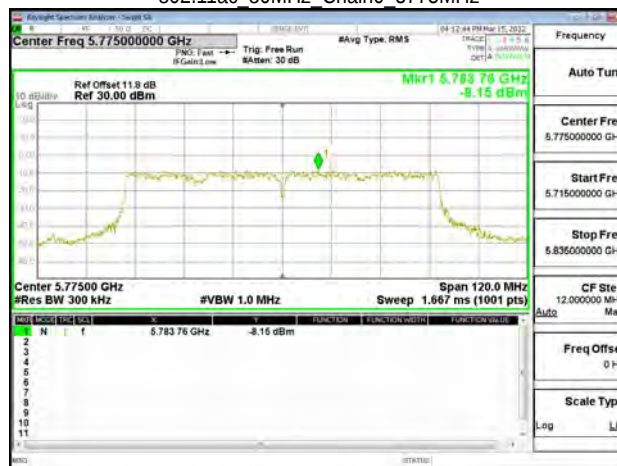
802.11ac 80MHz Chain0 5690MHz UNII 3



802.11ac 80MHz Chain0 5610MHz



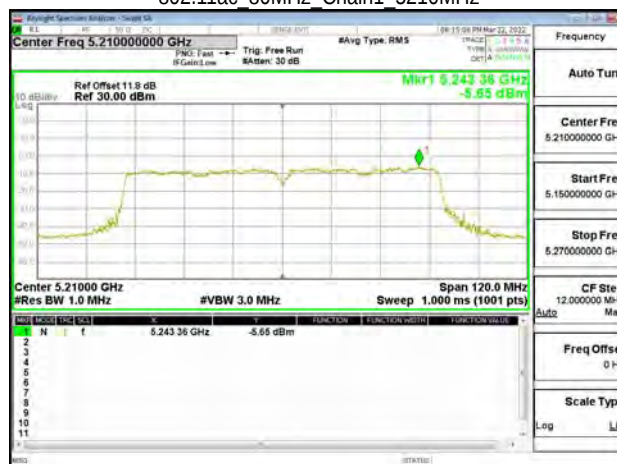
802.11ac 80MHz Chain0 5775MHz



802.11ac 80MHz Chain0 5690MHz UNII 2C



802.11ac 80MHz Chain1 5210MHz

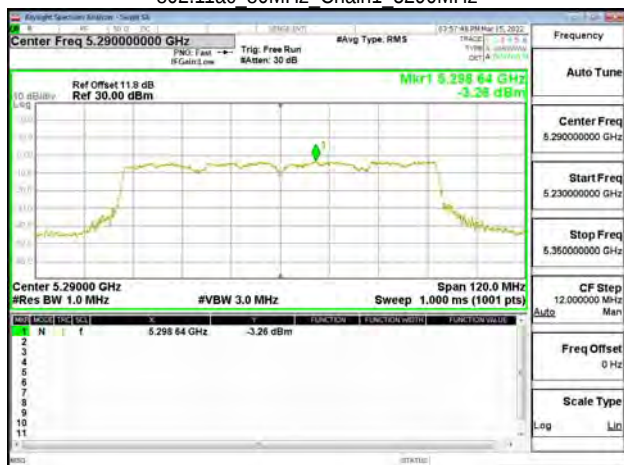


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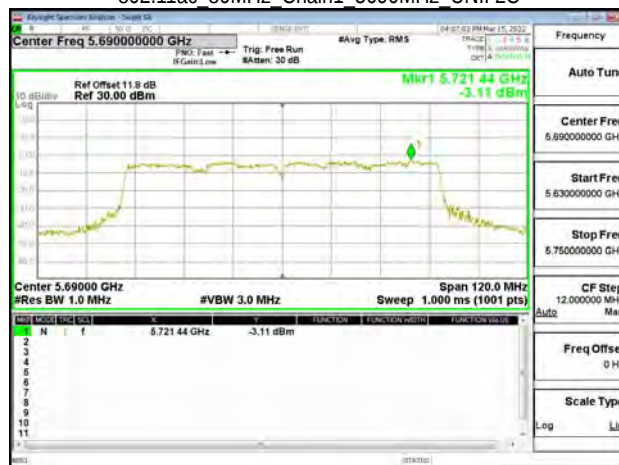
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802.11ac 80MHz Chain1 5290MHz



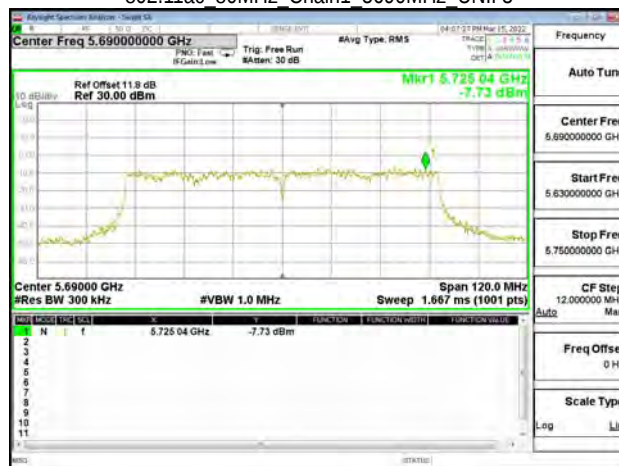
802.11ac 80MHz Chain1 5690MHz UNII 2C



802.11ac 80MHz Chain1 5530MHz



802.11ac 80MHz Chain1 5690MHz UNII 3



802.11ac 80MHz Chain1 5610MHz



802.11ac 80MHz Chain1 5775MHz



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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable

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

11.1.1 5150~5850 MHz

Applicable 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

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.

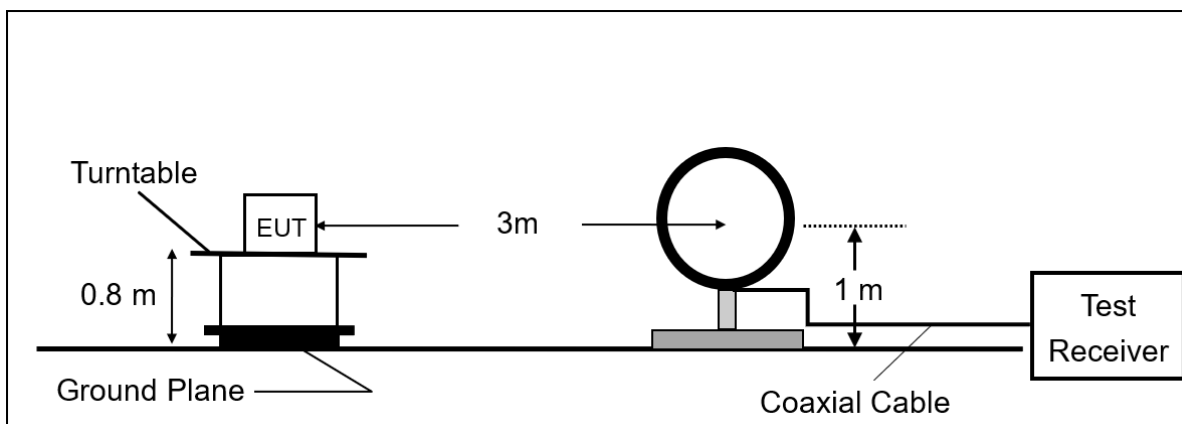
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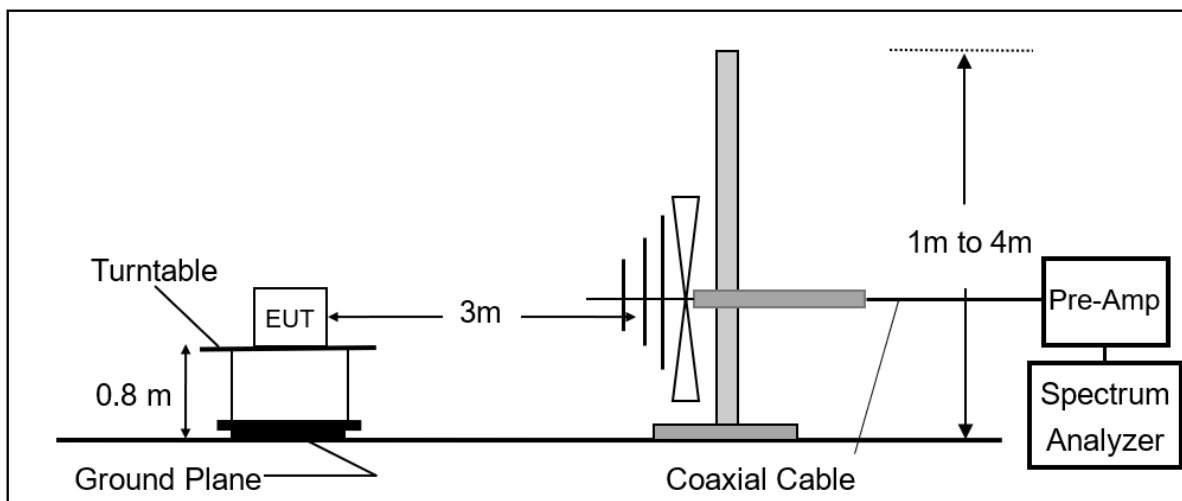
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11.2 Test Setup

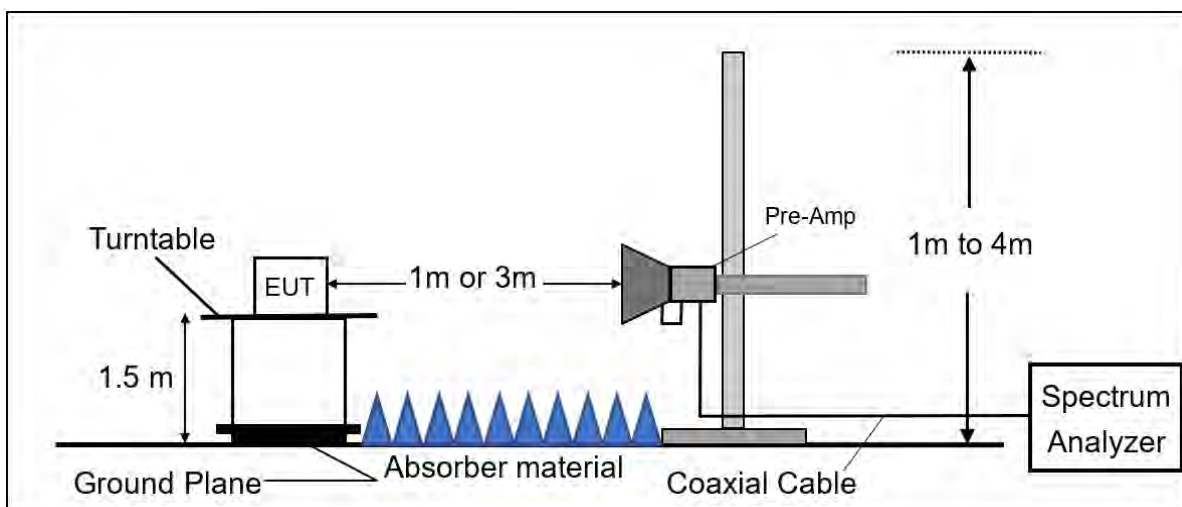
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(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 ≥ 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.

11.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where *FS* = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

The limit of the emission level is expressed in dBuV/m, which converts $20 \cdot \log(uV/m)$

$$\text{Actual FS(dB}\mu\text{V/m)} = \text{SPA. Reading level(dB}\mu\text{V)} + \text{Factor(dB)}$$

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$$\text{Factor(dB)} = \text{Antenna Factor(dB}\mu\text{V/m)} + \text{Cable Loss(dB)} - \text{Pre_Amplifier Gain(dB)}$$

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) & RSS-GEN §6.13.2 was not reported.

Pre-scan was done at frequency 5.47 GHz and 5.85 GHz for bandedge measurement of straddle channels 138, 142 and 144 which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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11.6 Radiated Spurious Emission Measurement Result

11.6.1 Spurious Emission

Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5220 MHz

Temp./Humi. :22.3/63

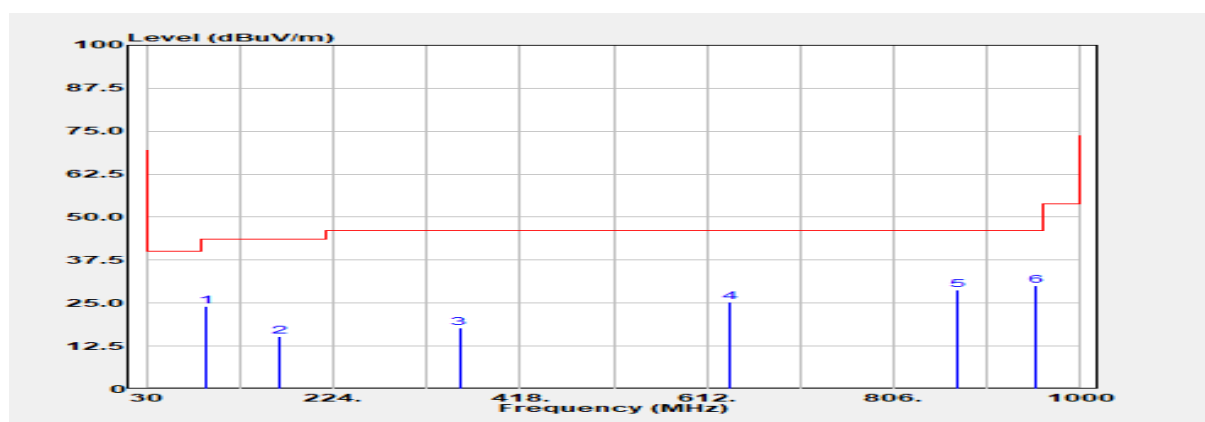
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
93.050	Peak	46.49	-22.48	24.01	43.50	-19.49
167.740	Peak	32.16	-16.82	15.34	43.50	-28.16
354.950	Peak	32.45	-14.68	17.78	46.00	-28.22
635.280	Peak	34.28	-8.92	25.36	46.00	-20.64
870.990	Peak	34.95	-6.02	28.93	46.00	-17.07
952.470	Peak	34.33	-4.35	29.98	46.00	-16.02

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5220 MHz

Temp./Humi. :22.3/63

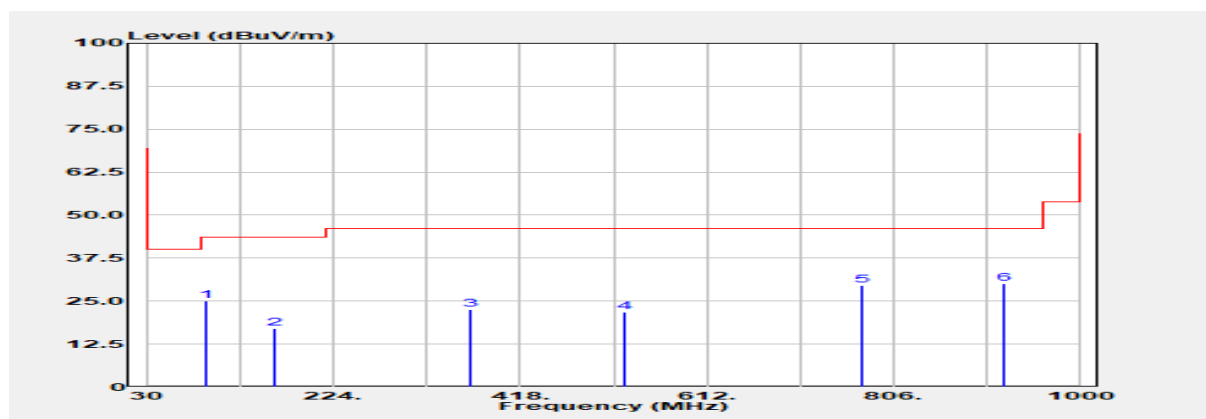
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
93.050	Peak	47.42	-22.48	24.94	43.50	-18.56
161.920	Peak	33.57	-16.46	17.11	43.50	-26.39
366.590	Peak	36.76	-14.19	22.57	46.00	-23.43
525.670	Peak	32.41	-10.57	21.84	46.00	-24.16
772.050	Peak	36.09	-6.54	29.55	46.00	-16.45
919.490	Peak	35.03	-4.93	30.10	46.00	-15.90

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5300 MHz

Temp./Humi. :22.3/63

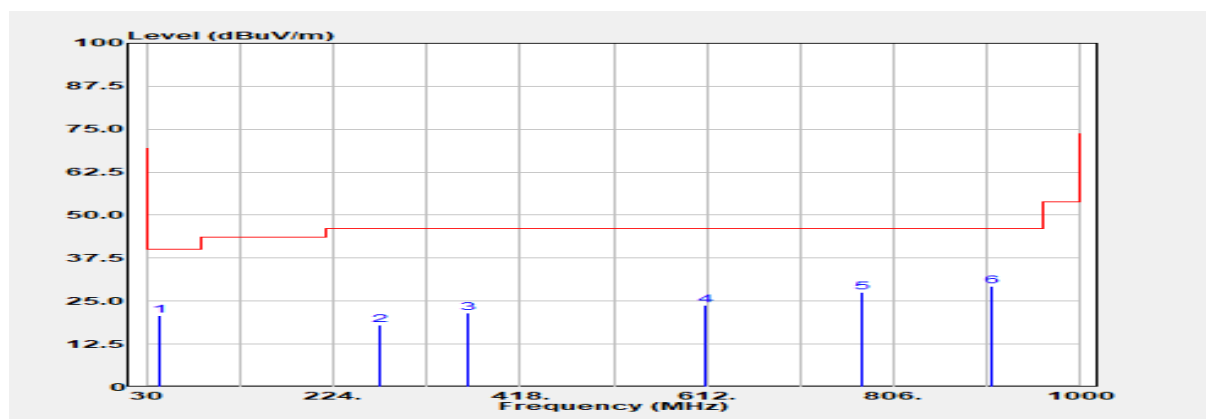
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
44.550	Peak	38.89	-17.98	20.91	40.00	-19.09
271.530	Peak	34.91	-16.74	18.17	46.00	-27.83
362.710	Peak	35.77	-14.31	21.46	46.00	-24.54
610.060	Peak	32.63	-8.90	23.72	46.00	-22.28
773.990	Peak	34.27	-6.61	27.65	46.00	-18.35
908.820	Peak	34.75	-5.32	29.43	46.00	-16.57

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5300 MHz

Temp./Humi. :22.3/63

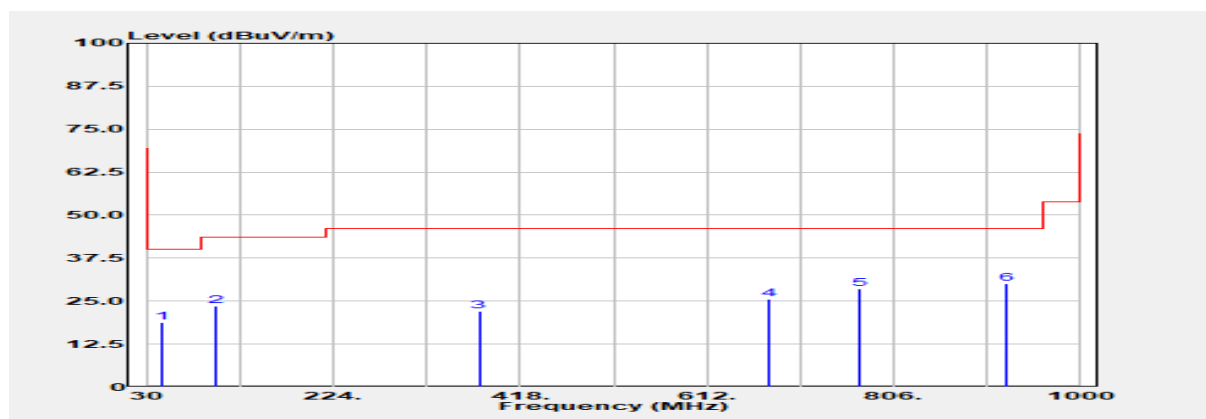
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
45.520	Peak	36.51	-17.76	18.75	40.00	-21.25
101.780	Peak	44.83	-21.20	23.63	43.50	-19.87
375.320	Peak	35.75	-13.79	21.96	46.00	-24.04
676.990	Peak	33.76	-8.08	25.68	46.00	-20.32
770.110	Peak	35.10	-6.47	28.62	46.00	-17.38
922.400	Peak	34.82	-4.86	29.96	46.00	-16.04

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5580 MHz

Temp./Humi. :22.3/63

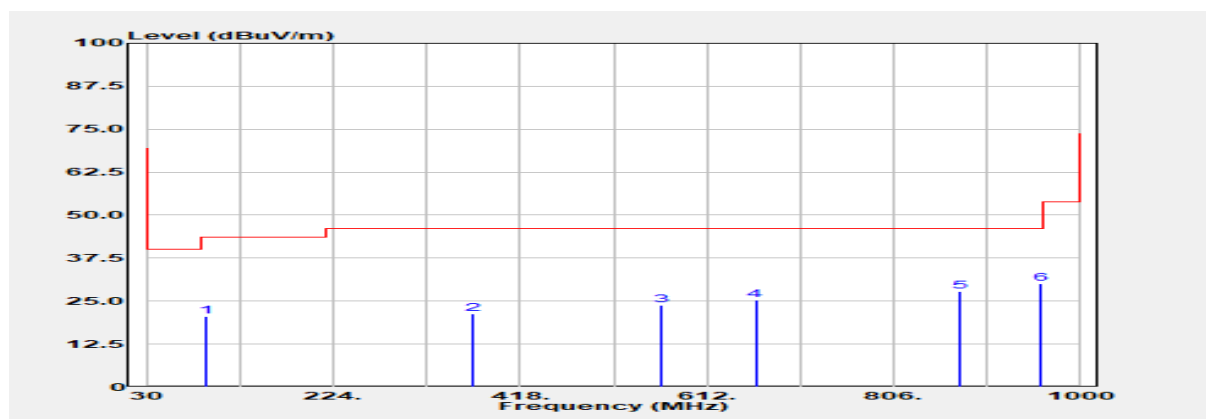
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
93.050	Peak	42.96	-22.48	20.48	43.50	-23.02
369.500	Peak	35.25	-14.05	21.19	46.00	-24.81
563.500	Peak	34.30	-10.44	23.86	46.00	-22.14
662.440	Peak	33.25	-7.90	25.35	46.00	-20.65
874.870	Peak	33.54	-5.78	27.76	46.00	-18.24
959.260	Peak	34.39	-4.24	30.15	46.00	-15.85

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5580 MHz

Temp./Humi. :22.3/63

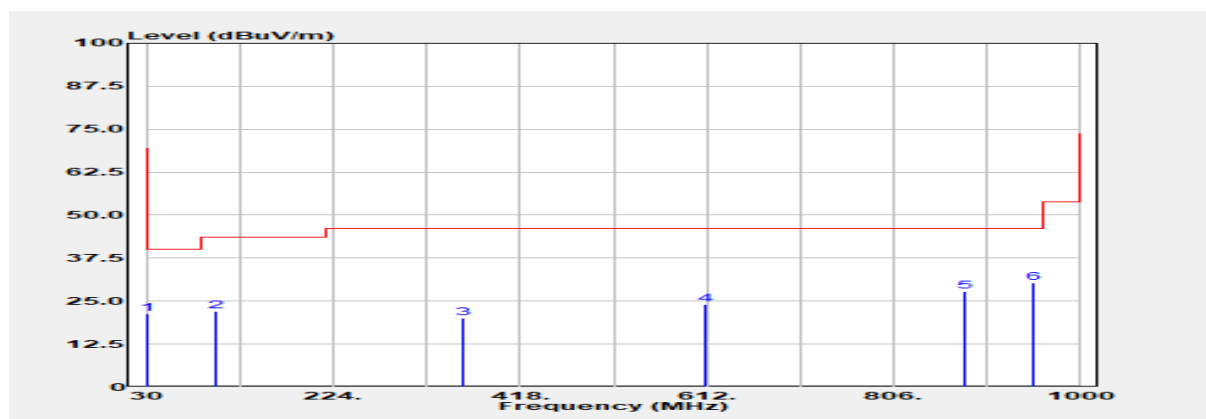
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
30.970	Peak	40.45	-19.15	21.30	40.00	-18.70
101.780	Peak	43.19	-21.20	22.00	43.50	-21.50
357.860	Peak	34.55	-14.50	20.05	46.00	-25.95
610.060	Peak	32.96	-8.90	24.06	46.00	-21.94
878.750	Peak	33.76	-5.83	27.93	46.00	-18.07
951.500	Peak	34.71	-4.39	30.33	46.00	-15.67

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5785 MHz

Temp./Humi. :22.3/63

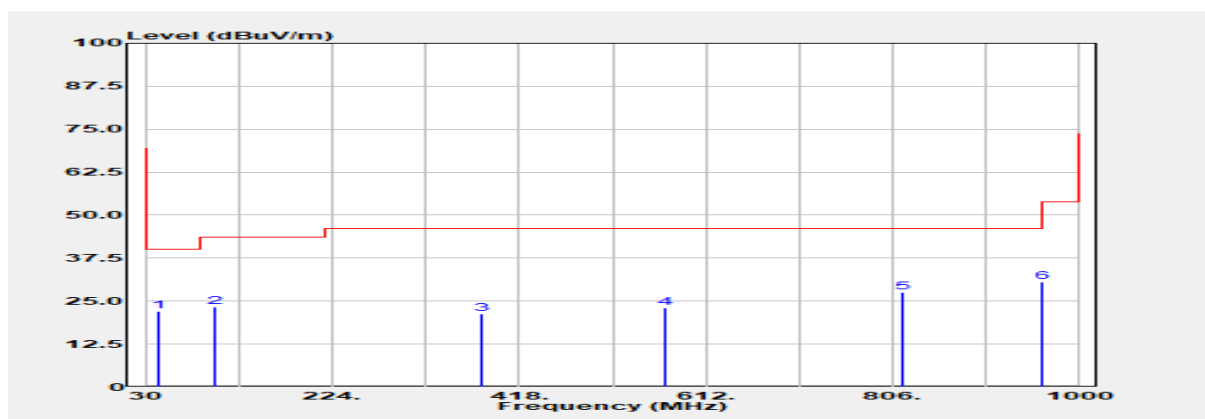
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
44.550	Peak	39.95	-17.98	21.97	40.00	-18.03
101.780	Peak	44.55	-21.20	23.35	43.50	-20.15
380.170	Peak	35.04	-13.80	21.24	46.00	-24.76
569.320	Peak	33.27	-10.30	22.97	46.00	-23.03
816.670	Peak	33.90	-6.46	27.44	46.00	-18.56
962.170	Peak	34.73	-4.26	30.47	54.00	-23.53

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-19

Test Frequency :5785 MHz

Temp./Humi. :22.3/63

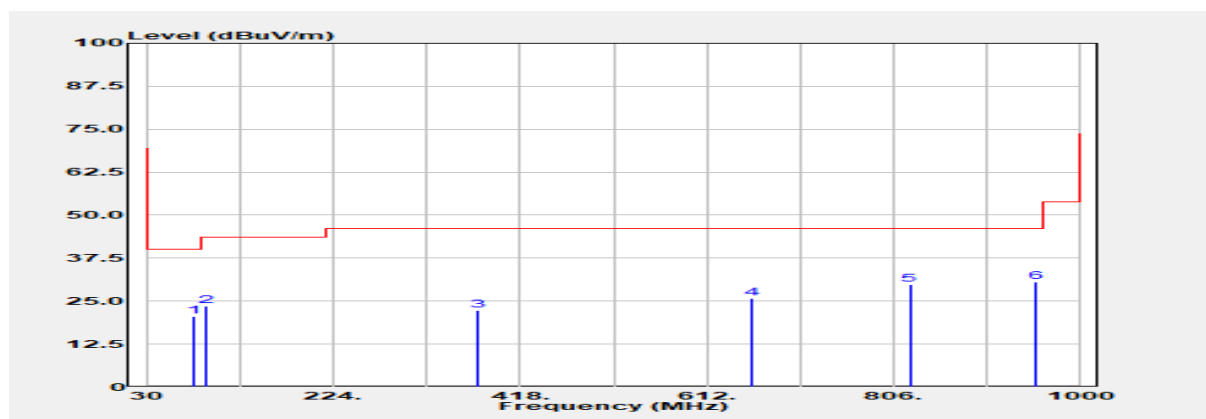
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
79.470	Peak	42.38	-21.85	20.53	40.00	-19.47
93.050	Peak	46.14	-22.48	23.67	43.50	-19.83
374.350	Peak	36.12	-13.82	22.31	46.00	-23.69
658.560	Peak	33.81	-7.92	25.90	46.00	-20.10
822.490	Peak	36.05	-6.33	29.72	46.00	-16.28
952.470	Peak	34.80	-4.35	30.45	46.00	-15.55

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5210 MHz

Temp./Humi. :22.3/63

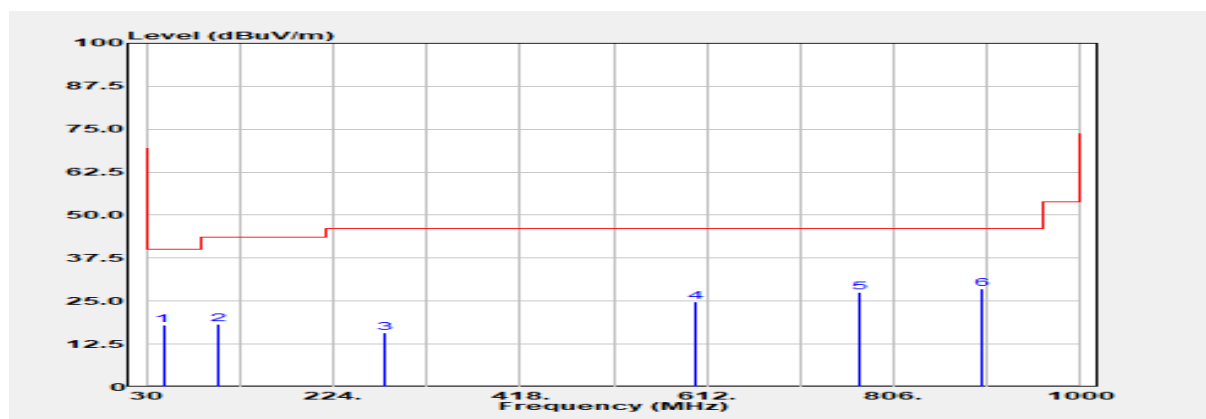
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
47.460	Peak	35.67	-17.62	18.05	40.00	-21.95
105.660	Peak	39.00	-20.68	18.32	43.50	-25.18
276.380	Peak	32.40	-16.62	15.77	46.00	-30.23
601.330	Peak	34.46	-9.59	24.87	46.00	-21.13
770.110	Peak	34.02	-6.47	27.55	46.00	-18.45
898.150	Peak	34.20	-5.53	28.66	46.00	-17.34

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5210 MHz

Temp./Humi. :22.3/63

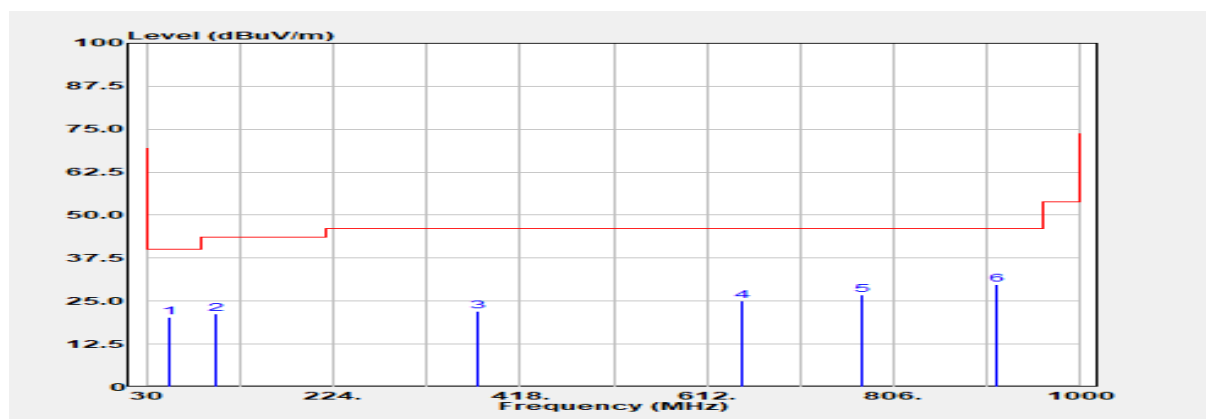
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
54.250	Peak	37.81	-17.48	20.33	40.00	-19.67
101.780	Peak	42.50	-21.20	21.30	43.50	-22.20
373.380	Peak	35.89	-13.86	22.03	46.00	-23.97
648.860	Peak	33.77	-8.70	25.07	46.00	-20.93
772.050	Peak	33.39	-6.54	26.84	46.00	-19.16
911.730	Peak	35.04	-5.18	29.87	46.00	-16.13

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5290 MHz

Temp./Humi. :22.3/63

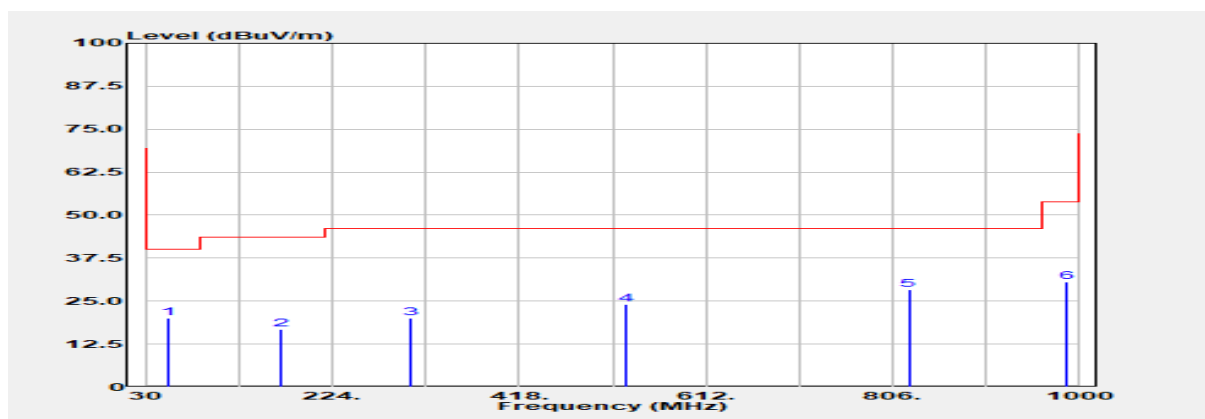
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
53.280	Peak	37.45	-17.43	20.02	40.00	-19.98
170.650	Peak	33.87	-17.07	16.80	43.50	-26.70
304.510	Peak	35.83	-15.88	19.95	46.00	-26.05
528.580	Peak	34.66	-10.54	24.12	46.00	-21.88
822.490	Peak	34.68	-6.33	28.36	46.00	-17.64
985.450	Peak	35.26	-4.61	30.65	54.00	-23.35

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5290 MHz

Temp./Humi. :22.3/63

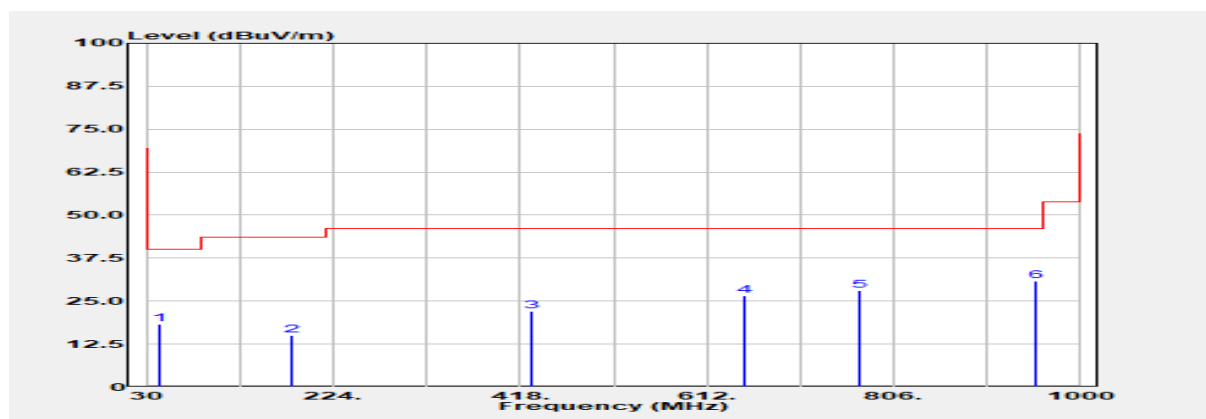
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
44.550	Peak	36.23	-17.98	18.25	40.00	-21.75
181.320	Peak	33.42	-18.31	15.10	43.50	-28.40
430.610	Peak	34.98	-13.01	21.97	46.00	-24.03
650.800	Peak	34.98	-8.53	26.45	46.00	-19.55
770.110	Peak	34.53	-6.47	28.06	46.00	-17.94
952.470	Peak	35.15	-4.35	30.80	46.00	-15.20

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5530 MHz

Temp./Humi. :22.3/63

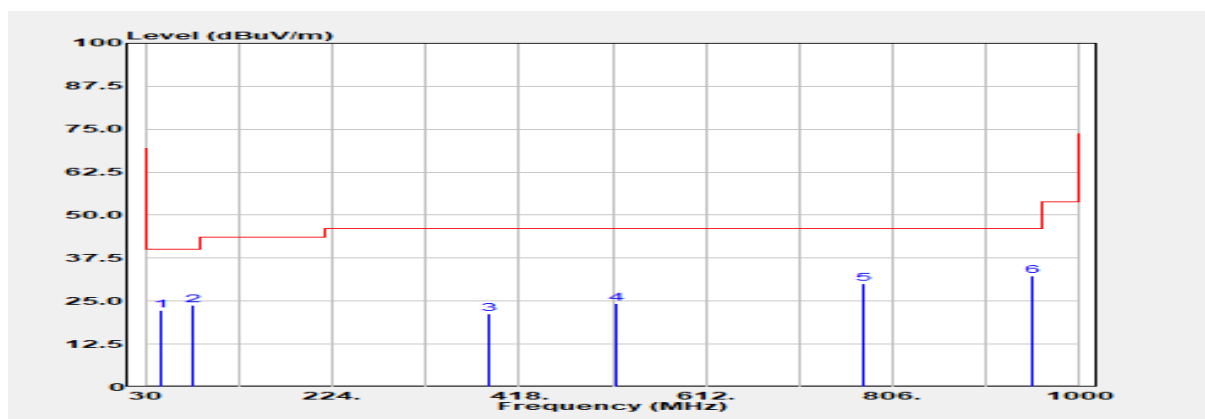
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
45.520	Peak	40.11	-17.76	22.35	40.00	-17.65
80.440	Peak	45.96	-22.17	23.79	40.00	-16.21
385.990	Peak	35.19	-13.79	21.41	46.00	-24.59
518.880	Peak	35.35	-11.01	24.34	46.00	-21.66
774.960	Peak	36.61	-6.65	29.96	46.00	-16.04
951.500	Peak	36.63	-4.39	32.25	46.00	-13.75

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5530 MHz

Temp./Humi. :22.3/63

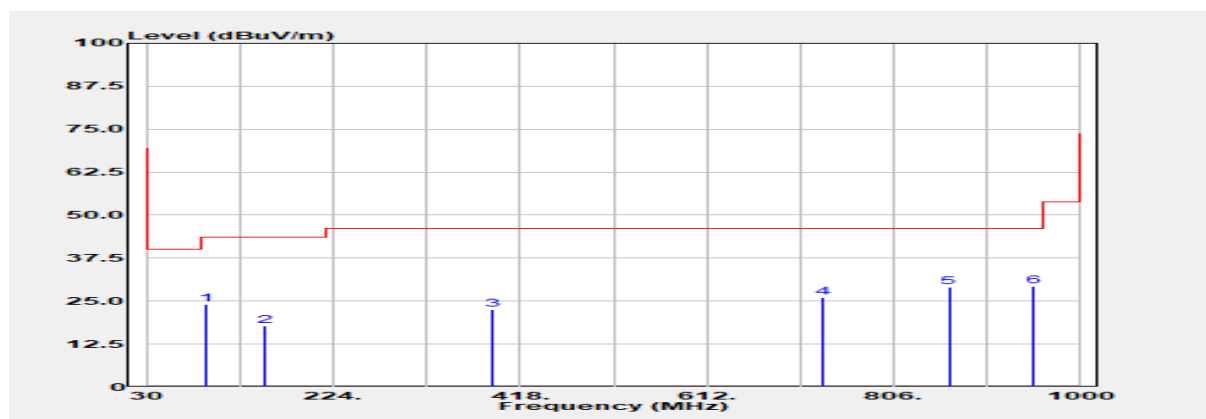
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
93.050	Peak	46.66	-22.48	24.18	43.50	-19.32
152.220	Peak	34.37	-16.48	17.89	43.50	-25.61
388.900	Peak	36.16	-13.69	22.46	46.00	-23.54
731.310	Peak	34.07	-7.89	26.18	46.00	-19.82
863.230	Peak	35.61	-6.56	29.04	46.00	-16.96
951.500	Peak	33.73	-4.39	29.35	46.00	-16.65

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5775 MHz

Temp./Humi. :22.3/63

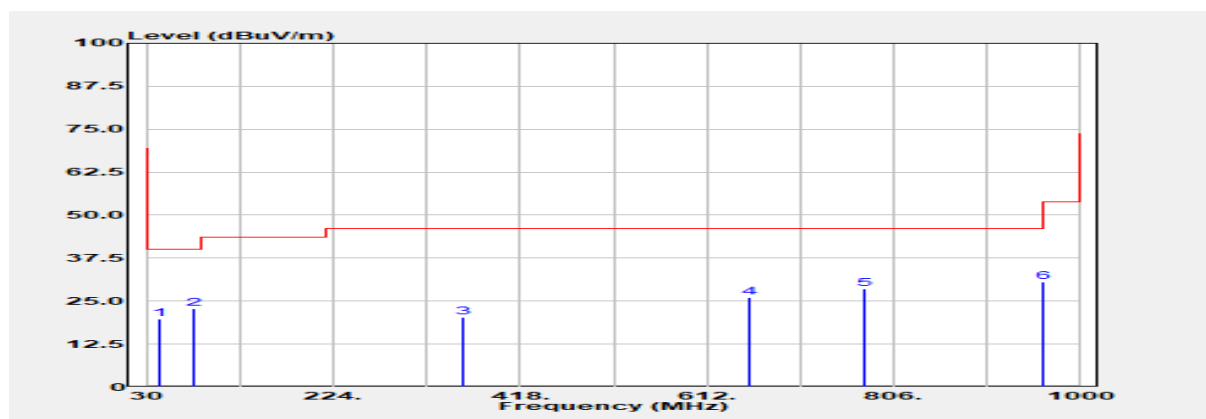
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
44.550	Peak	37.70	-17.98	19.72	40.00	-20.28
80.440	Peak	44.95	-22.17	22.78	40.00	-17.22
358.830	Peak	34.68	-14.44	20.25	46.00	-25.75
656.620	Peak	34.07	-7.99	26.09	46.00	-19.91
774.960	Peak	35.26	-6.65	28.61	46.00	-17.39
960.230	Peak	34.82	-4.23	30.59	54.00	-23.41

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-19

Test Frequency :5775 MHz

Temp./Humi. :22.3/63

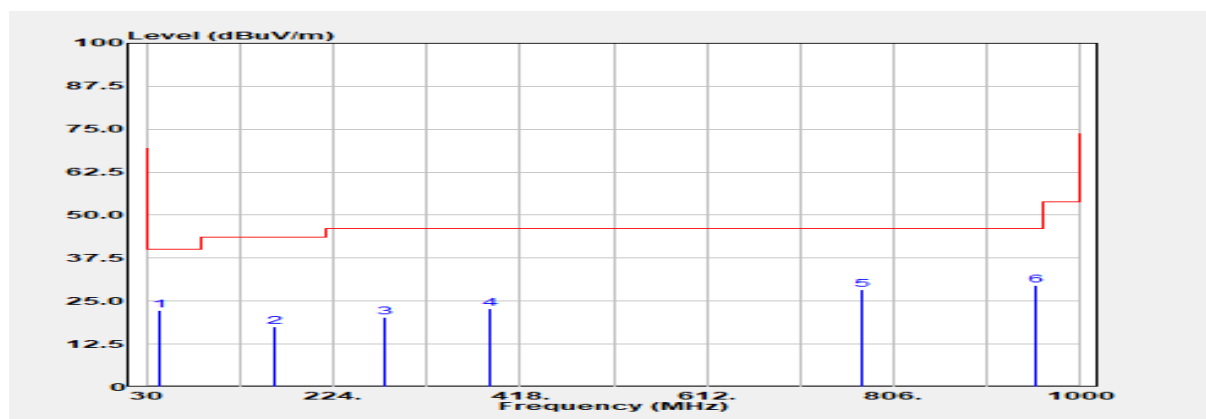
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
44.550	Peak	40.23	-17.98	22.26	40.00	-17.74
162.890	Peak	33.98	-16.47	17.51	43.50	-25.99
276.380	Peak	36.91	-16.62	20.29	46.00	-25.71
385.990	Peak	36.60	-13.79	22.82	46.00	-23.18
772.050	Peak	34.80	-6.54	28.26	46.00	-17.74
952.470	Peak	33.90	-4.35	29.55	46.00	-16.45

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5180 MHz

Temp./Humi. :20.9/69

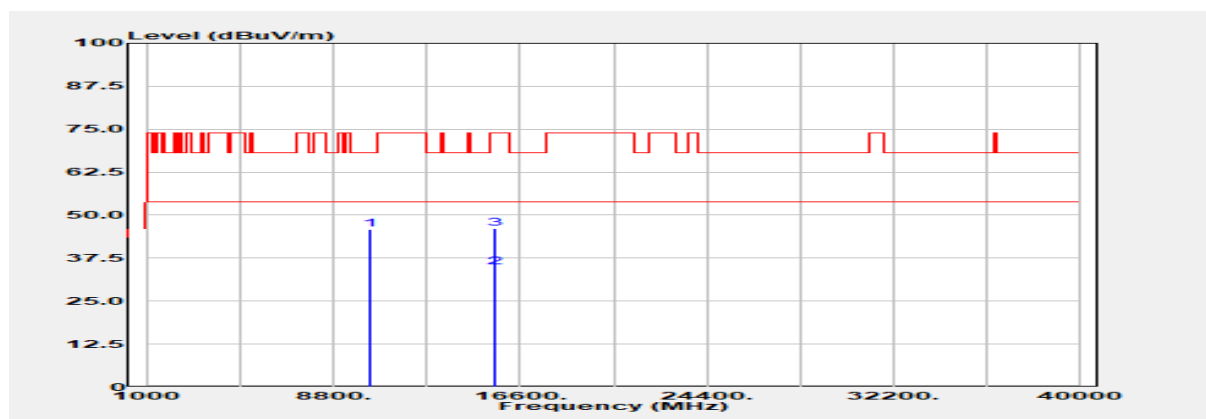
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10360.000	Peak	36.13	9.61	45.74	68.20	-22.46
15540.000	Average	24.36	10.51	34.87	54.00	-19.13
15540.000	Peak	35.68	10.51	46.19	74.00	-27.81

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5180 MHz

Temp./Humi. :20.9/69

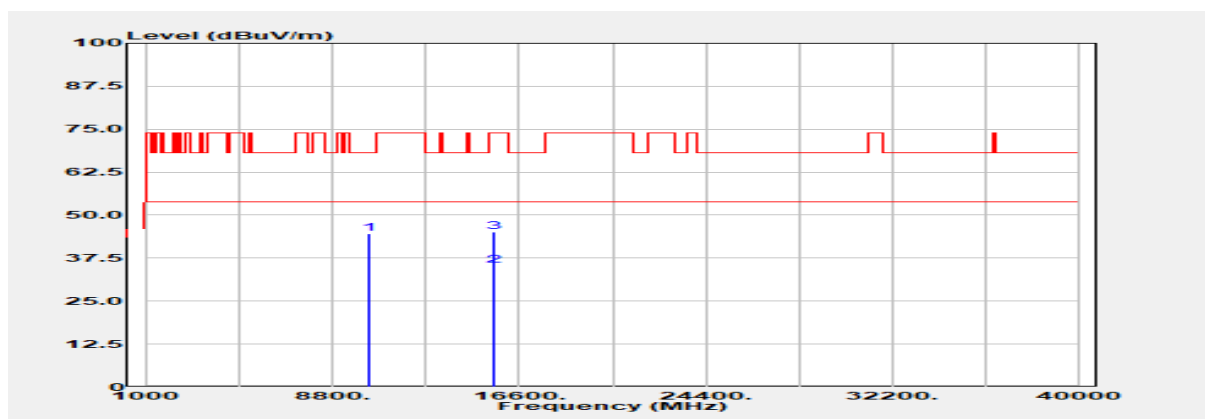
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10360.000	Peak	34.93	9.61	44.54	68.20	-23.66
15540.000	Average	24.79	10.51	35.29	54.00	-18.71
15540.000	Peak	34.72	10.51	45.23	74.00	-28.77

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5220 MHz

Temp./Humi. :20.9/69

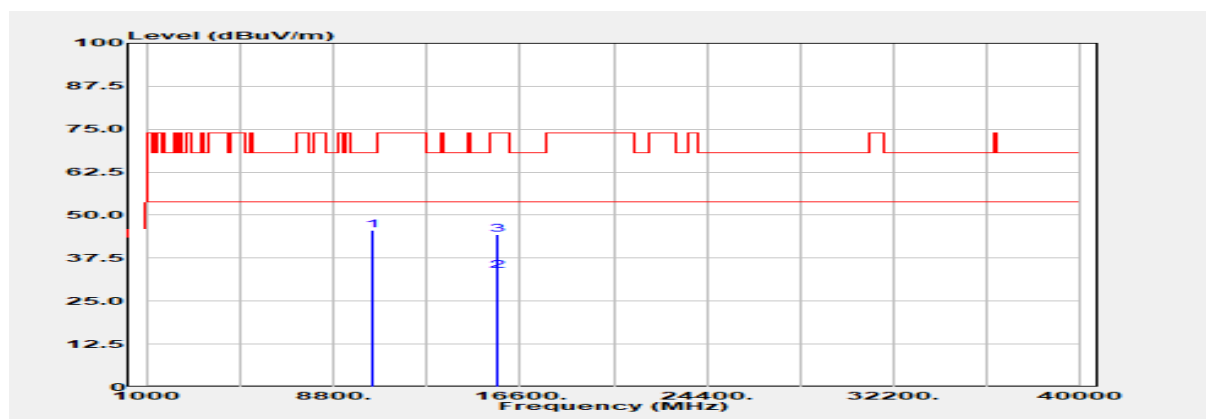
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.000	Peak	34.98	10.64	45.61	68.20	-22.59
15660.000	Average	24.39	9.50	33.88	54.00	-20.12
15660.000	Peak	34.85	9.50	44.35	74.00	-29.65

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5220 MHz

Temp./Humi. :20.9/69

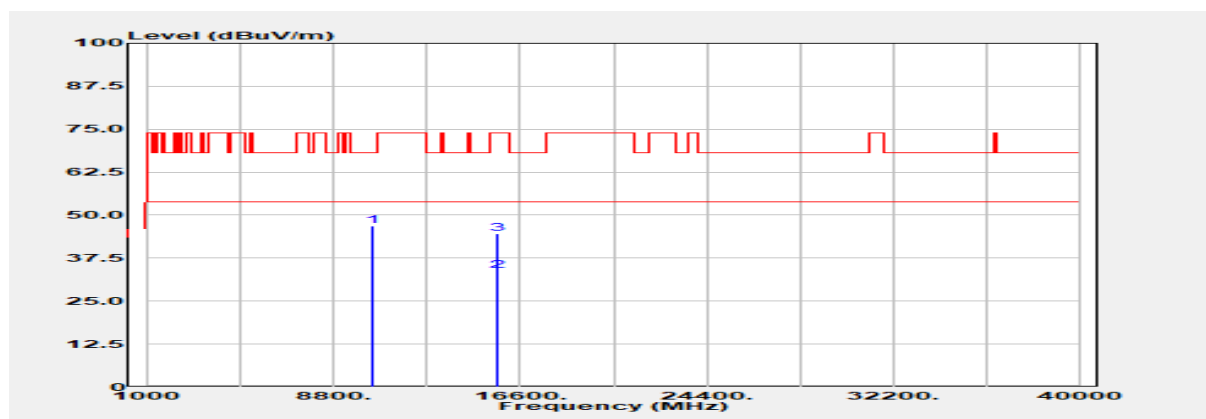
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10440.000	Peak	36.30	10.64	46.94	68.20	-21.26
15660.000	Average	24.43	9.50	33.92	54.00	-20.08
15660.000	Peak	35.19	9.50	44.69	74.00	-29.31

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5240 MHz

Temp./Humi. :20.9/69

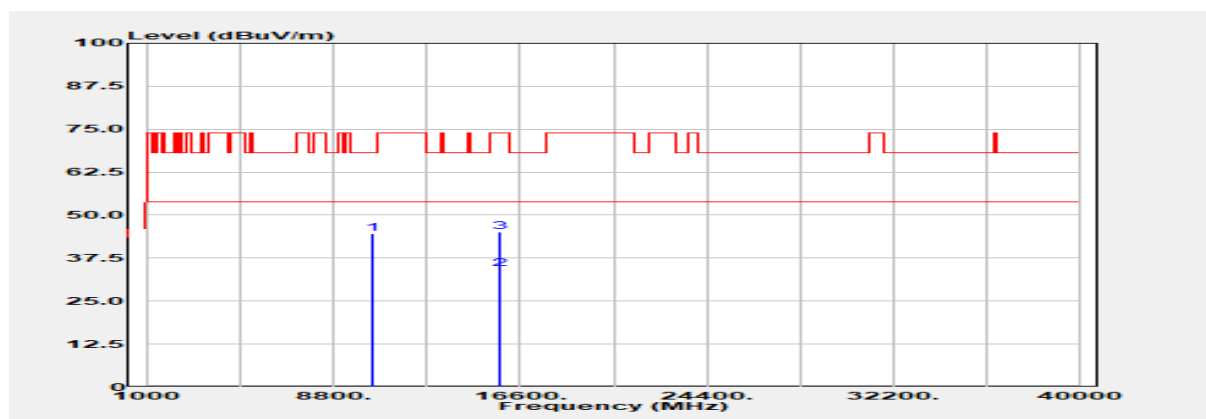
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.000	Peak	34.35	10.15	44.50	68.20	-23.70
15720.000	Average	24.52	9.93	34.45	54.00	-19.55
15720.000	Peak	35.22	9.93	45.15	74.00	-28.85

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5240 MHz

Temp./Humi. :20.9/69

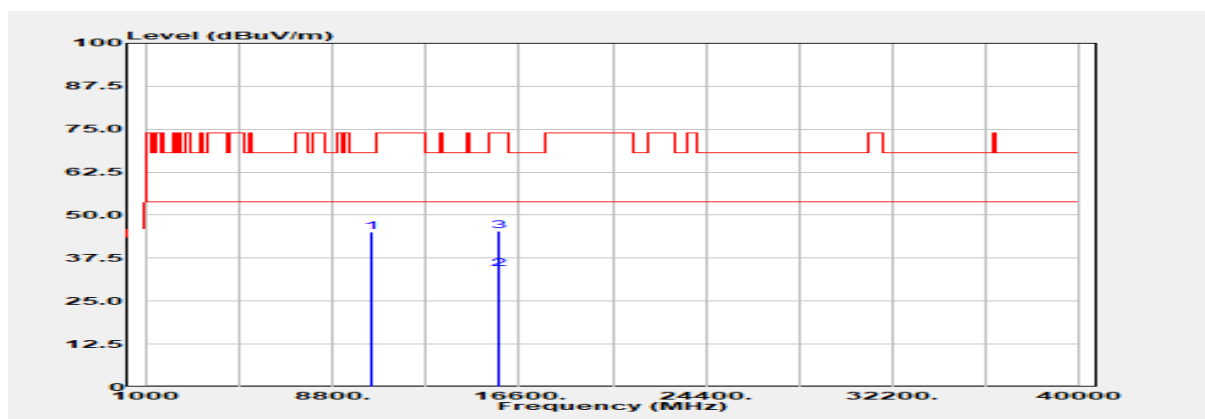
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10480.000	Peak	34.85	10.15	45.00	68.20	-23.20
15720.000	Average	24.42	9.93	34.35	54.00	-19.65
15720.000	Peak	35.34	9.93	45.27	74.00	-28.73

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5260 MHz

Temp./Humi. :20.9/69

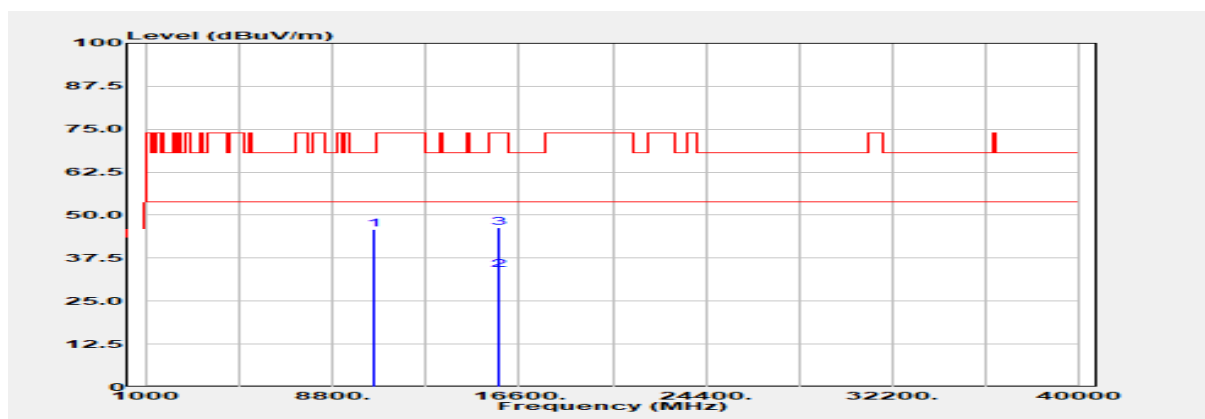
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10520.000	Peak	35.34	10.42	45.75	68.20	-22.45
15780.000	Average	24.53	9.63	34.15	54.00	-19.85
15780.000	Peak	36.63	9.63	46.26	74.00	-27.74

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5260 MHz

Temp./Humi. :20.9/69

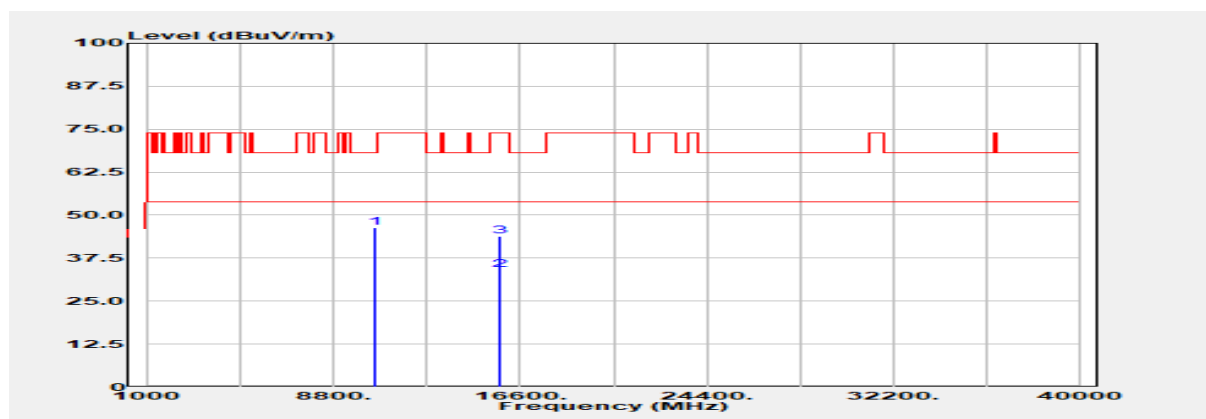
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10520.000	Peak	35.97	10.42	46.38	68.20	-21.82
15780.000	Average	24.55	9.63	34.17	54.00	-19.83
15780.000	Peak	34.21	9.63	43.84	74.00	-30.16

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5300 MHz

Temp./Humi. :20.9/69

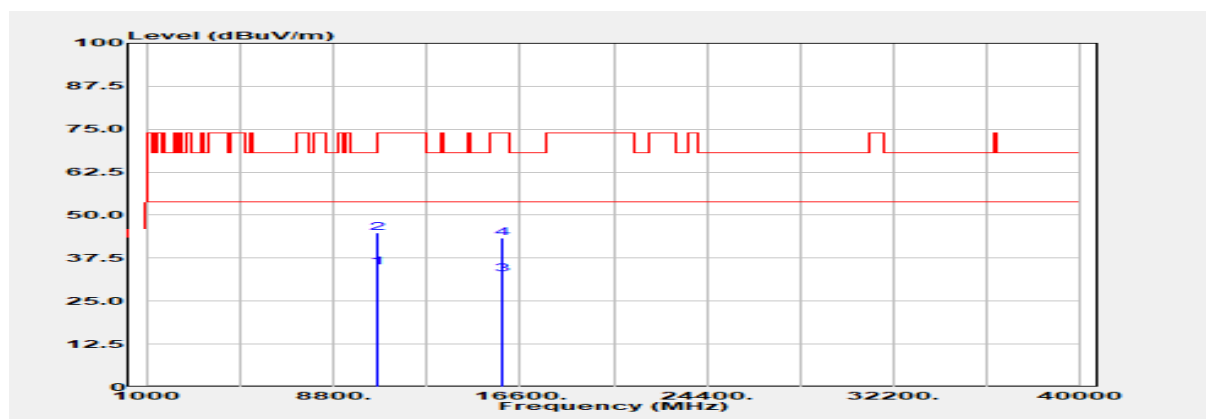
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10600.000	Average	25.30	9.48	34.78	54.00	-19.22
10600.000	Peak	35.31	9.48	44.79	74.00	-29.21
15900.000	Average	24.30	8.52	32.82	54.00	-21.18
15900.000	Peak	34.83	8.52	43.35	74.00	-30.65

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5300 MHz

Temp./Humi. :20.9/69

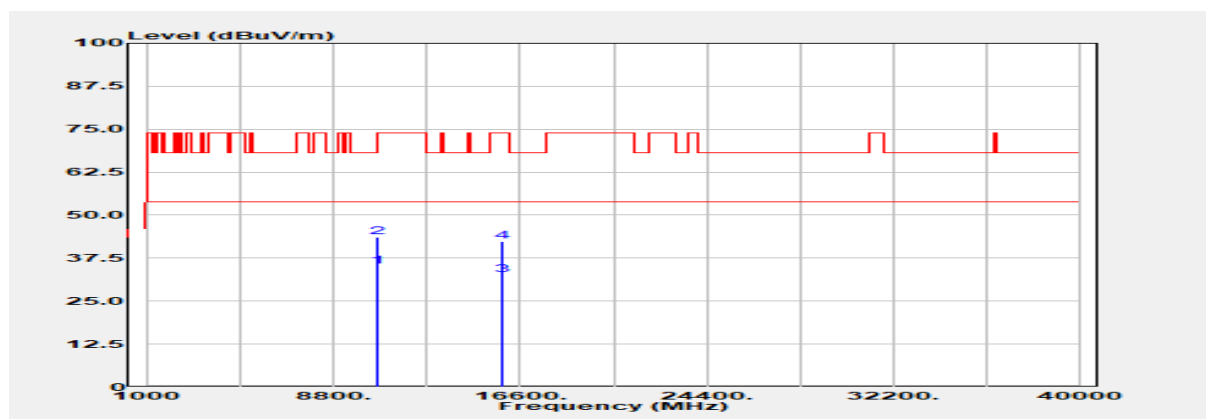
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10600.000	Average	25.72	9.48	35.20	54.00	-18.80
10600.000	Peak	34.09	9.48	43.58	74.00	-30.42
15900.000	Average	24.13	8.52	32.65	54.00	-21.35
15900.000	Peak	33.94	8.52	42.47	74.00	-31.53

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5320 MHz

Temp./Humi. :20.9/69

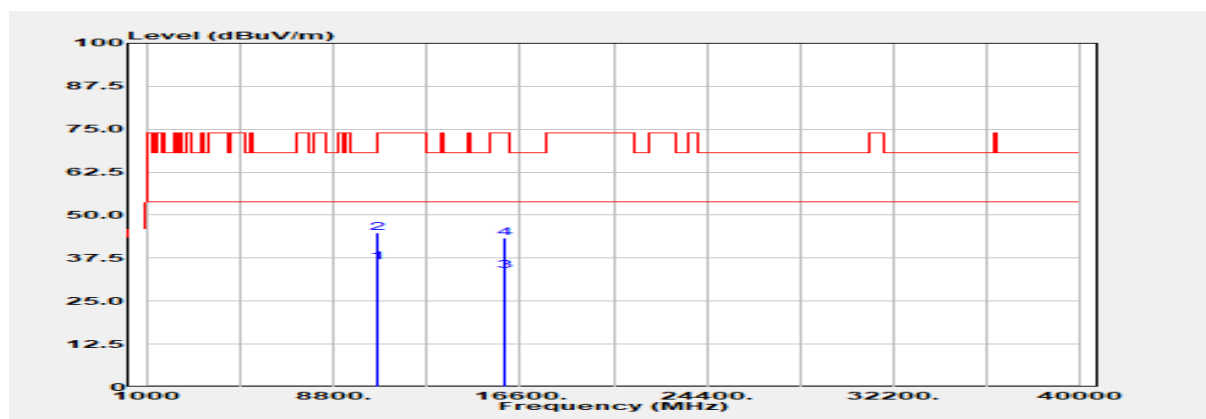
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10640.000	Average	25.64	10.60	36.23	54.00	-17.77
10640.000	Peak	34.26	10.60	44.85	74.00	-29.15
15960.000	Average	25.13	8.77	33.90	54.00	-20.10
15960.000	Peak	34.50	8.77	43.28	74.00	-30.72

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5320 MHz

Temp./Humi. :20.9/69

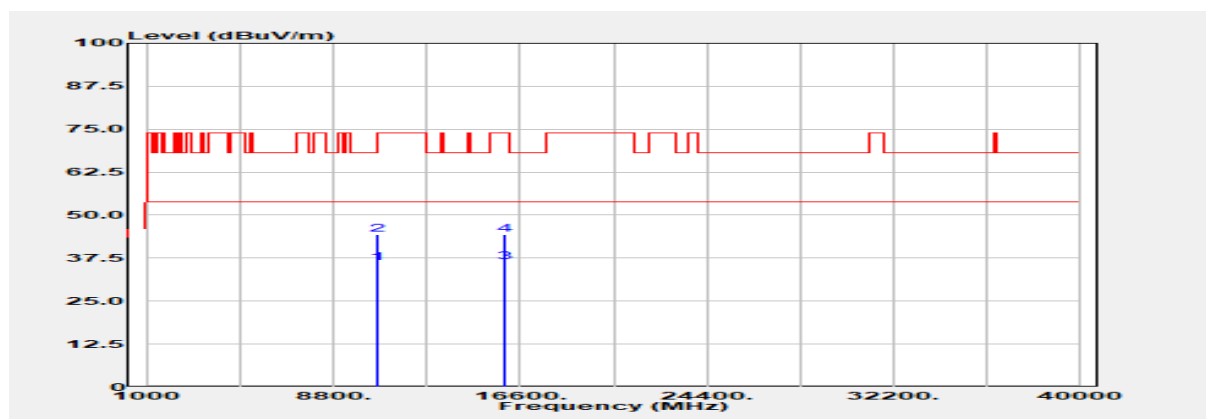
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10640.000	Average	25.55	10.60	36.15	54.00	-17.85
10640.000	Peak	33.87	10.60	44.47	74.00	-29.53
15960.000	Average	27.56	8.77	36.33	54.00	-17.67
15960.000	Peak	35.59	8.77	44.36	74.00	-29.64

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5500 MHz

Temp./Humi. :20.9/69

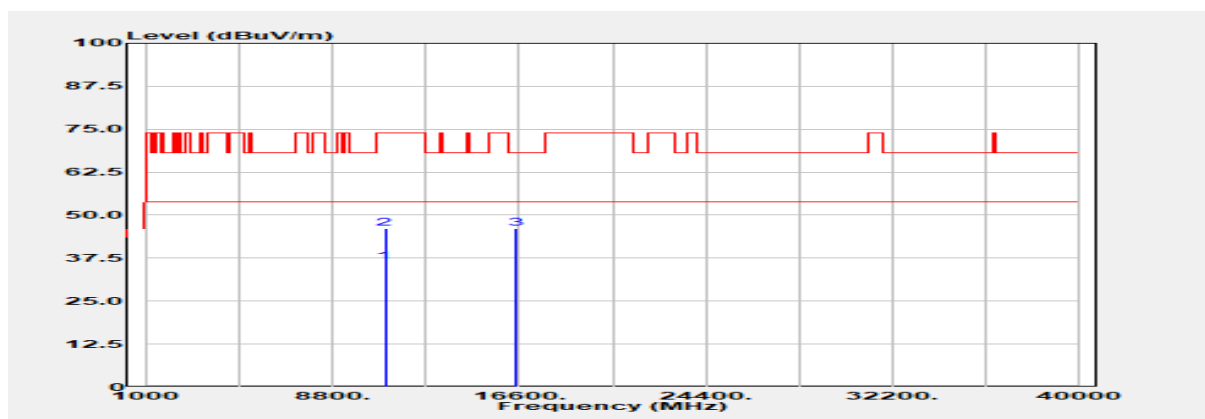
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.000	Average	25.43	11.01	36.44	54.00	-17.56
11000.000	Peak	35.15	11.01	46.16	74.00	-27.84
16500.000	Peak	34.37	11.67	46.04	68.20	-22.16

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5500 MHz

Temp./Humi. :20.9/69

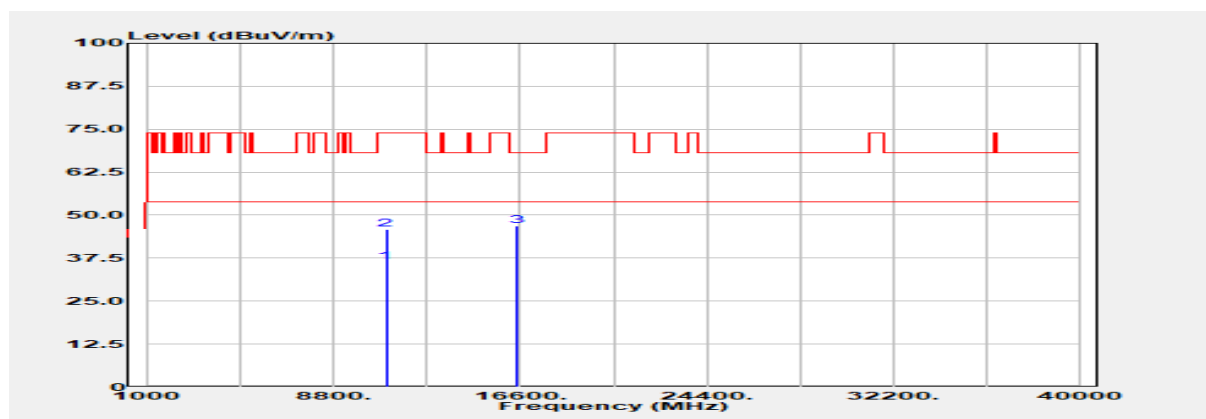
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11000.000	Average	25.22	11.01	36.23	54.00	-17.77
11000.000	Peak	34.87	11.01	45.88	74.00	-28.12
16500.000	Peak	35.14	11.67	46.81	68.20	-21.39

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5580 MHz

Temp./Humi. :20.9/69

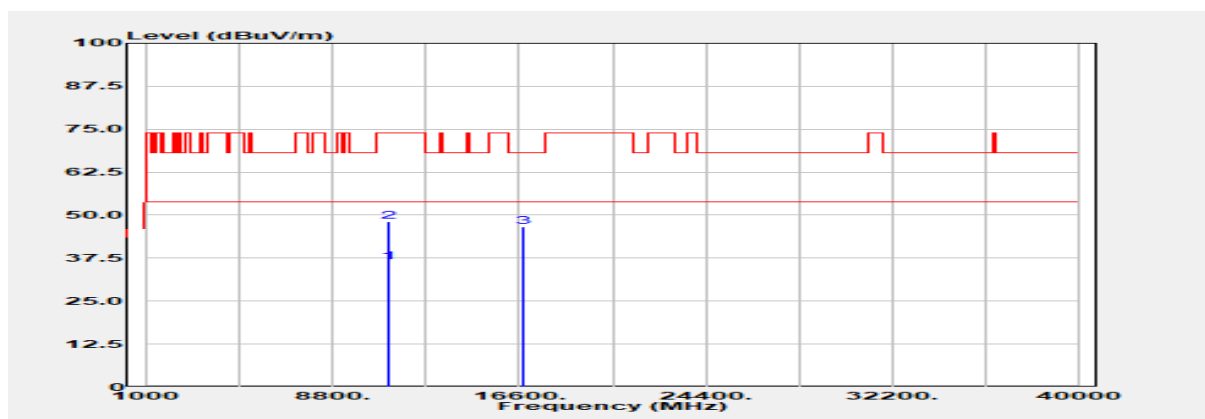
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11160.000	Average	25.44	10.80	36.23	54.00	-17.77
11160.000	Peak	37.21	10.80	48.00	74.00	-26.00
16740.000	Peak	34.66	12.01	46.67	68.20	-21.53

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5580 MHz

Temp./Humi. :20.9/69

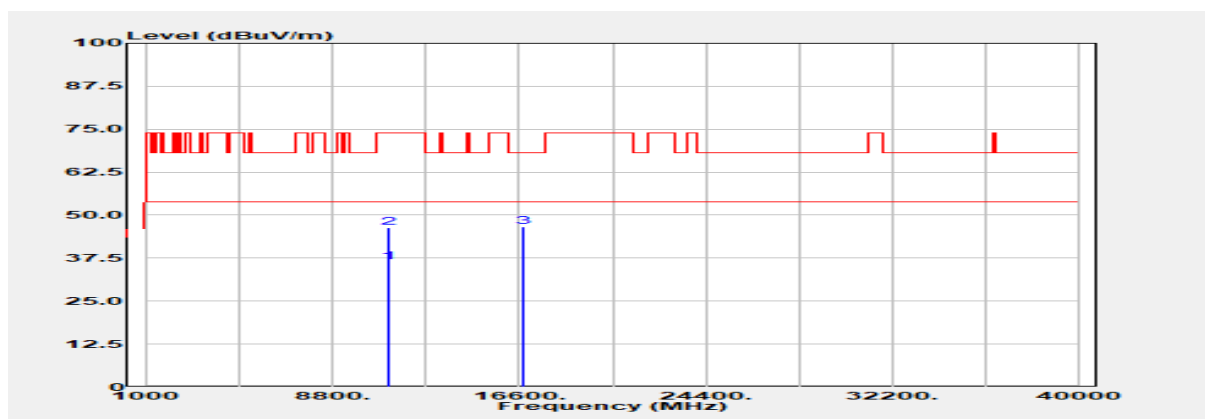
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11160.000	Average	25.45	10.80	36.24	54.00	-17.76
11160.000	Peak	35.57	10.80	46.37	74.00	-27.63
16740.000	Peak	34.61	12.01	46.62	68.20	-21.58

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5700 MHz

Temp./Humi. :20.9/69

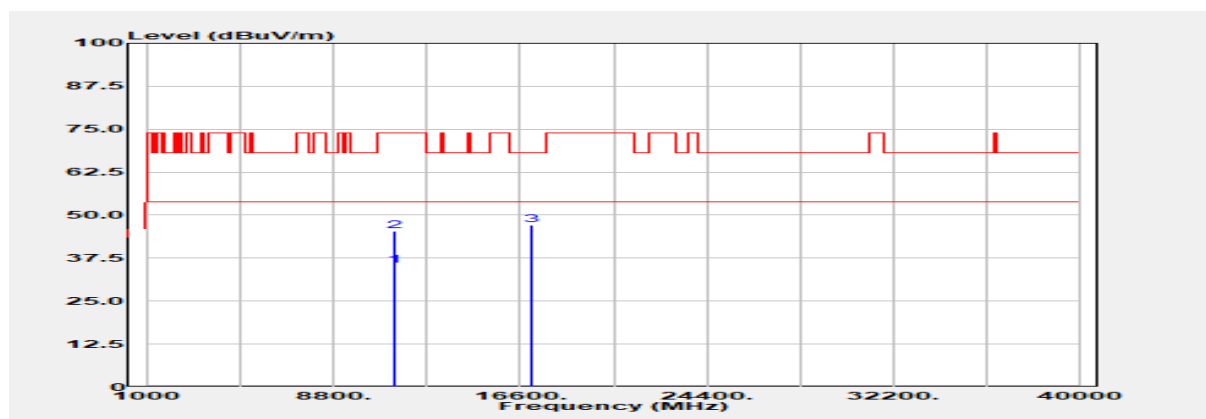
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11400.000	Average	25.01	10.22	35.23	54.00	-18.77
11400.000	Peak	35.19	10.22	45.41	74.00	-28.59
17100.000	Peak	35.33	11.88	47.21	68.20	-20.99

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5700 MHz

Temp./Humi. :20.9/69

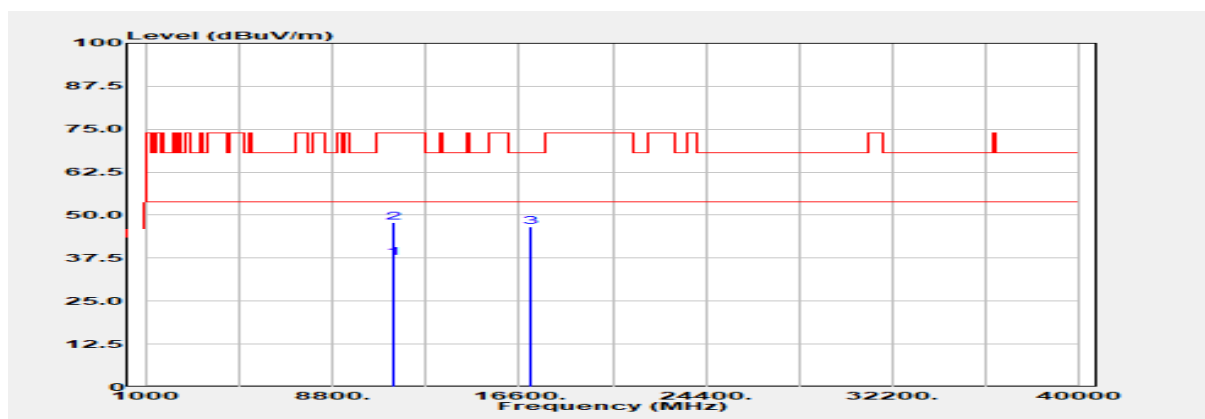
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11400.000	Average	27.30	10.22	37.52	54.00	-16.48
11400.000	Peak	37.53	10.22	47.76	74.00	-26.24
17100.000	Peak	34.71	11.88	46.59	68.20	-21.61

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5720 MHz

Temp./Humi. :20.9/69

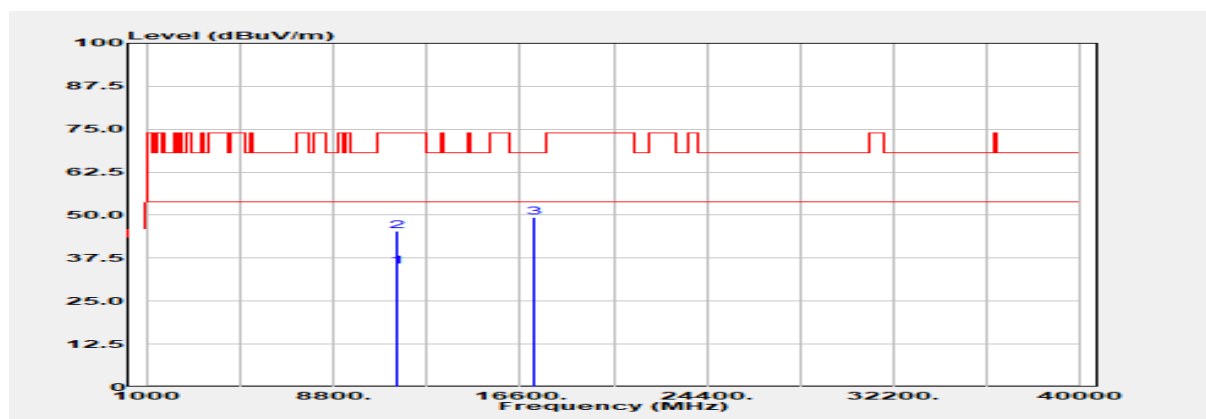
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11440.000	Average	24.86	10.14	34.99	54.00	-19.01
11440.000	Peak	35.21	10.14	45.35	74.00	-28.65
17160.000	Peak	35.61	13.86	49.48	68.20	-18.72

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5720 MHz

Temp./Humi. :20.9/69

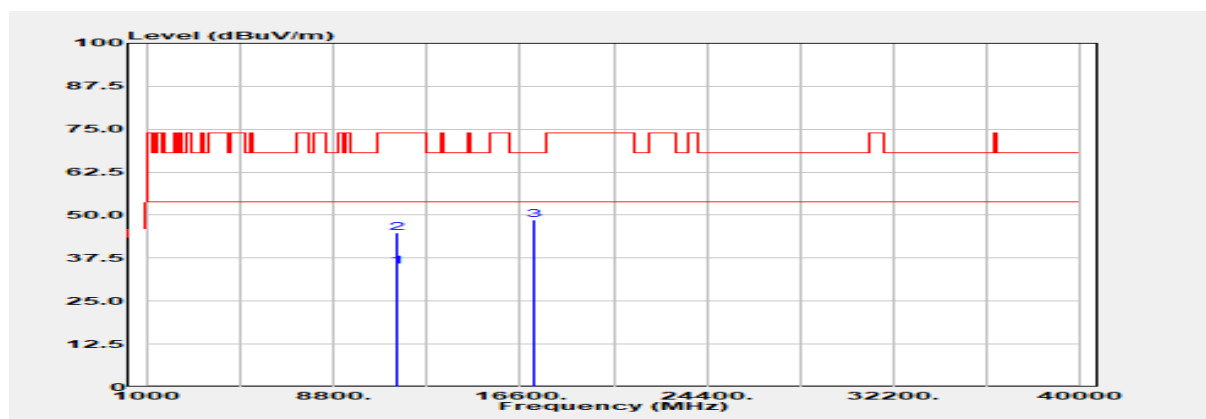
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11440.000	Average	24.83	10.14	34.97	54.00	-19.03
11440.000	Peak	34.82	10.14	44.96	74.00	-29.04
17160.000	Peak	34.71	13.86	48.58	68.20	-19.62

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5745 MHz

Temp./Humi. :20.9/69

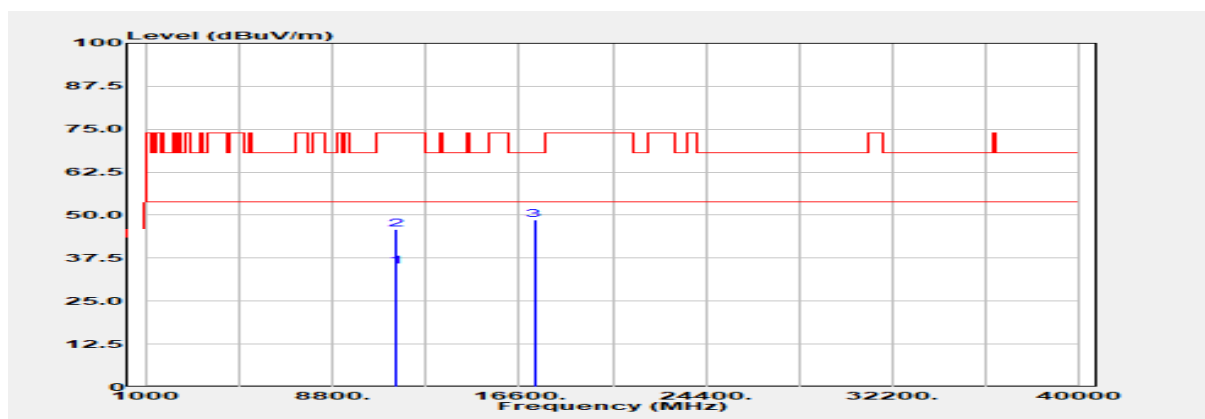
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
11490.000	Average	24.77	10.39	35.15	54.00	-18.85
11490.000	Peak	35.47	10.39	45.86	74.00	-28.14
17235.000	Peak	35.36	13.28	48.63	68.20	-19.57

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5745 MHz

Temp./Humi. :20.9/69

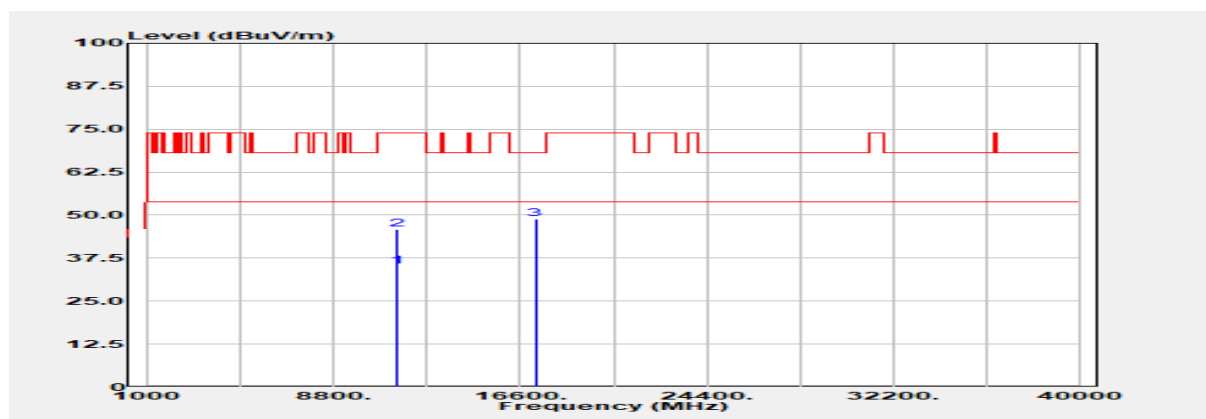
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11490.000	Average	24.77	10.39	35.15	54.00	-18.85
11490.000	Peak	35.39	10.39	45.78	74.00	-28.22
17235.000	Peak	35.69	13.28	48.97	68.20	-19.23

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5785 MHz

Temp./Humi. :20.9/69

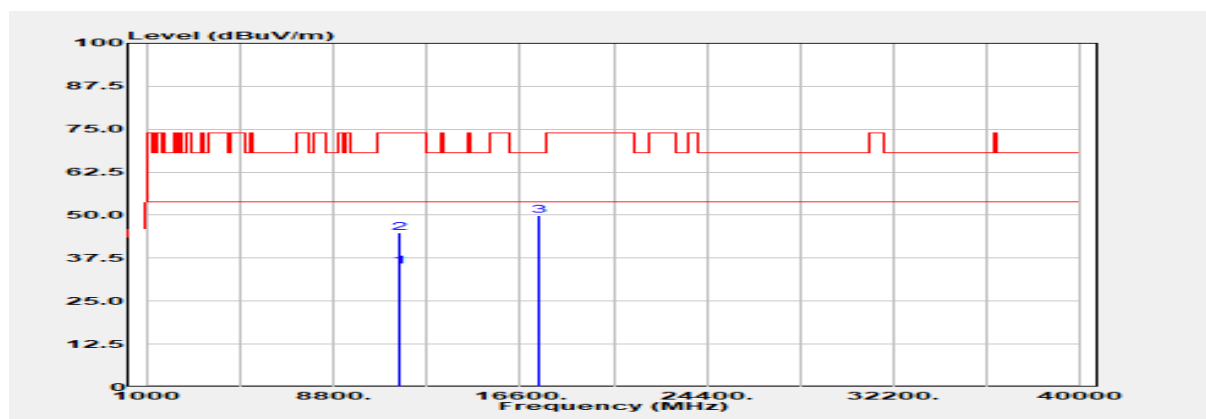
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11570.000	Average	24.96	10.16	35.12	54.00	-18.88
11570.000	Peak	34.67	10.16	44.83	74.00	-29.17
17355.000	Peak	34.78	15.06	49.84	68.20	-18.36

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5785 MHz

Temp./Humi. :20.9/69

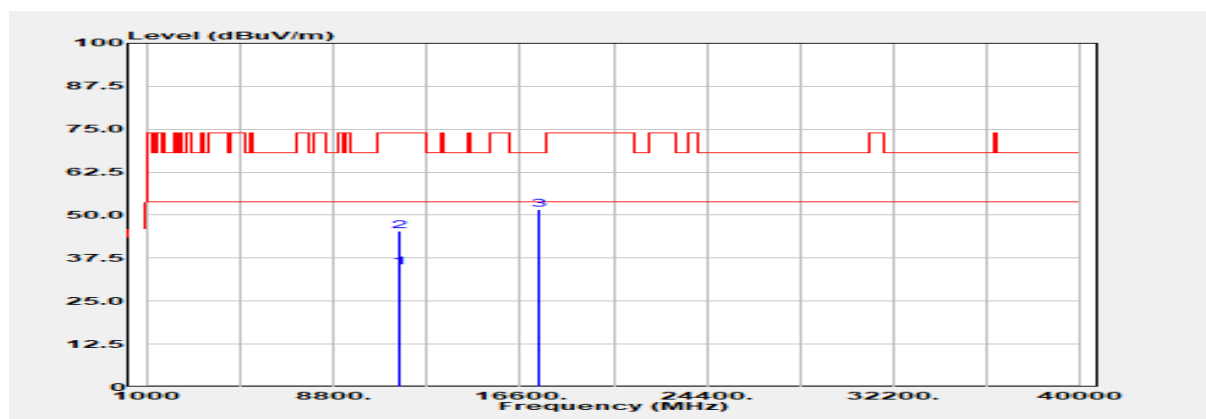
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11570.000	Average	24.62	10.16	34.78	54.00	-19.22
11570.000	Peak	35.28	10.16	45.44	74.00	-28.56
17355.000	Peak	36.48	15.06	51.54	68.20	-16.66

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5825 MHz

Temp./Humi. :20.9/69

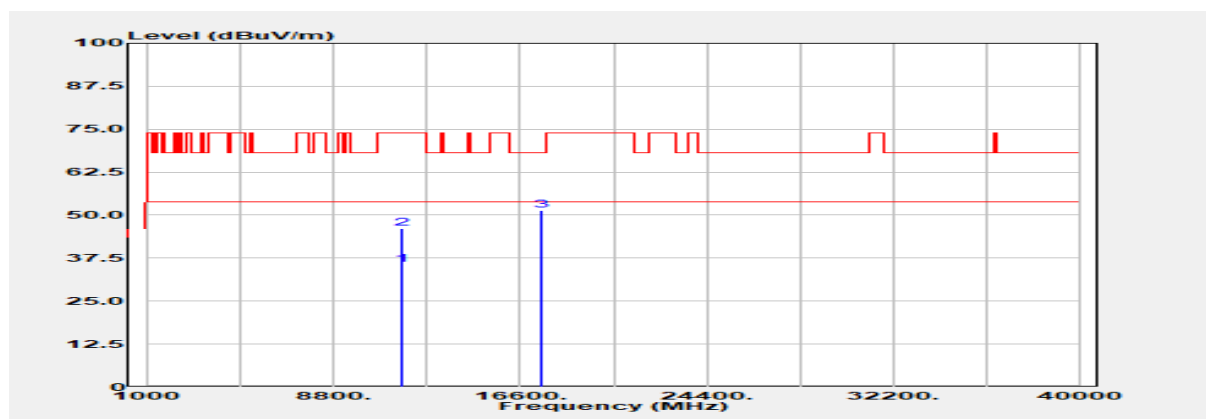
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11650.000	Average	25.32	10.26	35.58	54.00	-18.42
11650.000	Peak	35.74	10.26	46.00	74.00	-28.00
17475.000	Peak	35.68	15.66	51.34	68.20	-16.86

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-17

Test Frequency :5825 MHz

Temp./Humi. :20.9/69

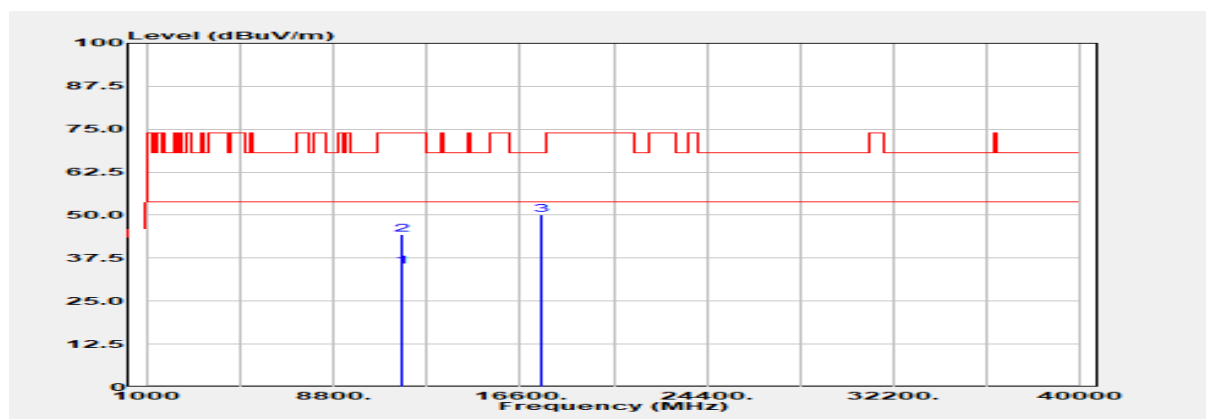
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11650.000	Average	24.92	10.26	35.17	54.00	-18.83
11650.000	Peak	34.16	10.26	44.41	74.00	-29.59
17475.000	Peak	34.54	15.66	50.20	68.20	-18.00

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-17

Test Frequency :5180 MHz

Temp./Humi. :20.9/69

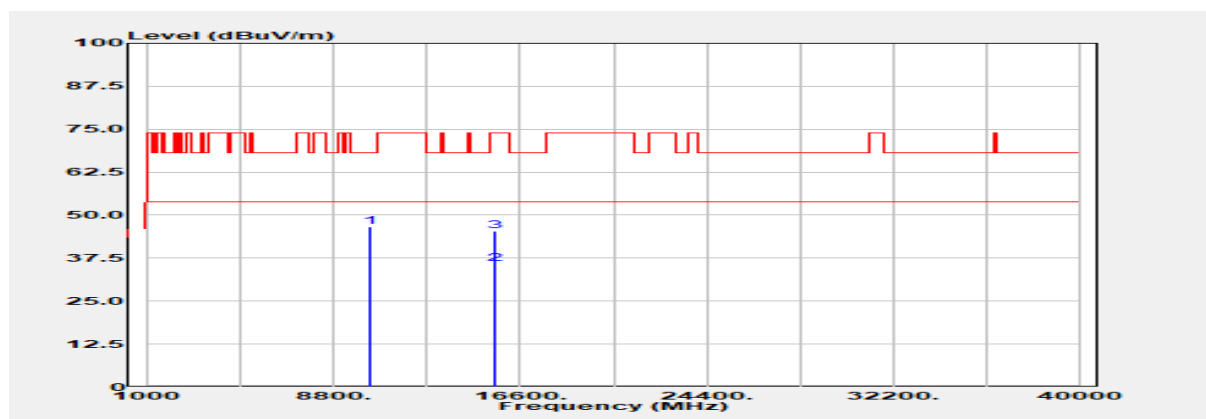
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	37.04	9.61	46.65	68.20	-21.55
15540.000	Average	25.31	10.51	35.82	54.00	-18.18
15540.000	Peak	34.93	10.51	45.44	74.00	-28.56

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5180 MHz

Temp./Humi. :20.9/69

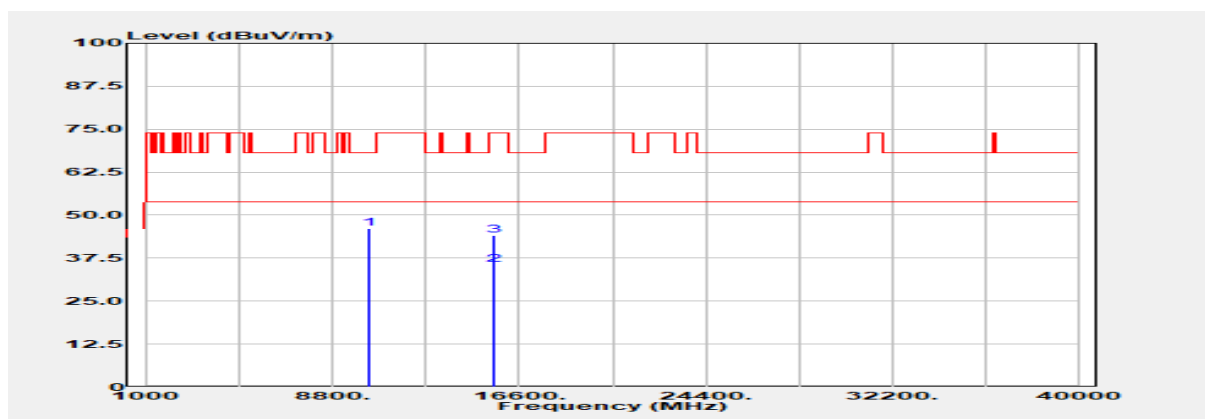
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10360.000	Peak	36.46	9.61	46.07	68.20	-22.13
15540.000	Average	25.17	10.51	35.68	54.00	-18.32
15540.000	Peak	33.71	10.51	44.21	74.00	-29.79

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5220 MHz

Temp./Humi. :20.9/69

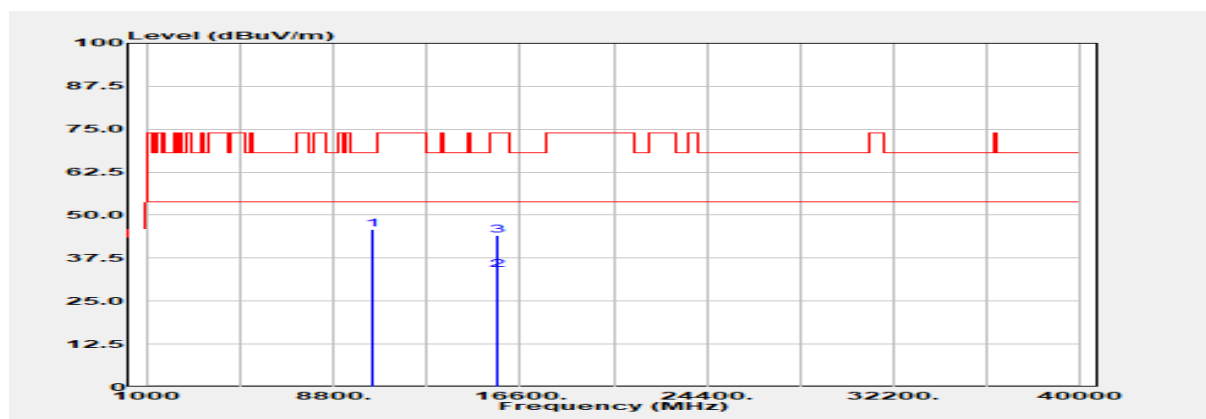
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.000	Peak	35.21	10.64	45.85	68.20	-22.35
15660.000	Average	24.52	9.50	34.02	54.00	-19.98
15660.000	Peak	34.71	9.50	44.21	74.00	-29.79

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5220 MHz

Temp./Humi. :20.9/69

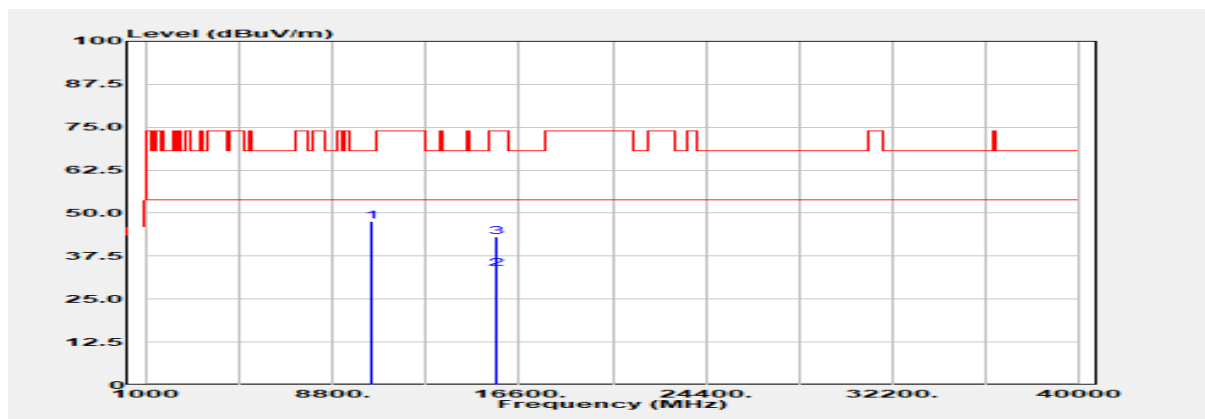
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10440.000	Peak	36.91	10.64	47.54	68.20	-20.66
15660.000	Average	24.25	9.50	33.75	54.00	-20.25
15660.000	Peak	33.56	9.50	43.06	74.00	-30.94

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5240 MHz

Temp./Humi. :20.9/69

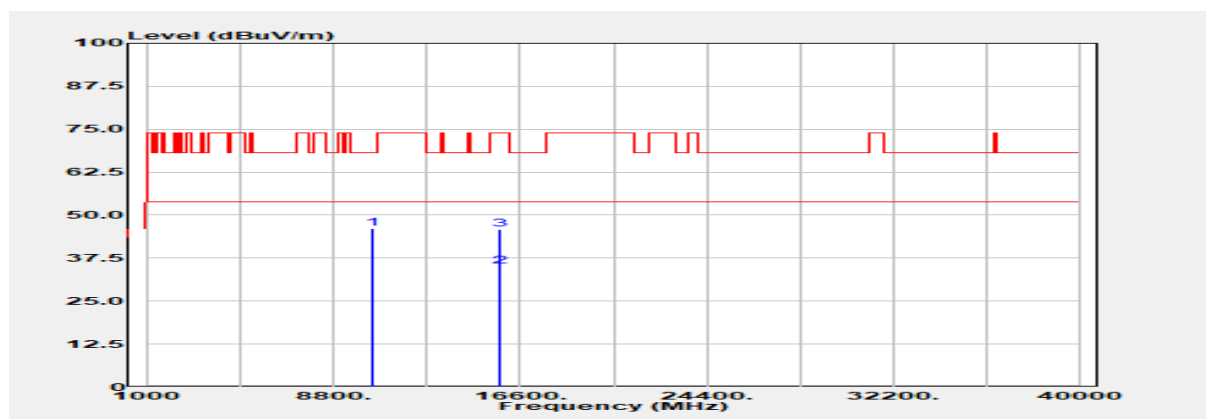
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10480.000	Peak	36.07	10.15	46.23	68.20	-21.97
15720.000	Average	25.13	9.93	35.06	54.00	-18.94
15720.000	Peak	35.94	9.93	45.87	74.00	-28.13

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5240 MHz

Temp./Humi. :20.9/69

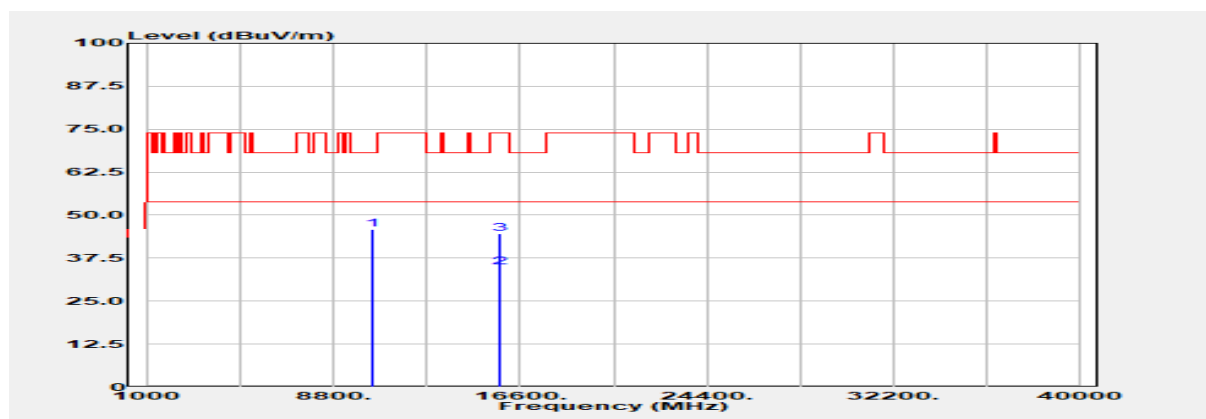
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10480.000	Peak	35.65	10.15	45.81	68.20	-22.39
15720.000	Average	24.96	9.93	34.89	54.00	-19.11
15720.000	Peak	34.68	9.93	44.61	74.00	-29.39

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5260 MHz

Temp./Humi. :20.9/69

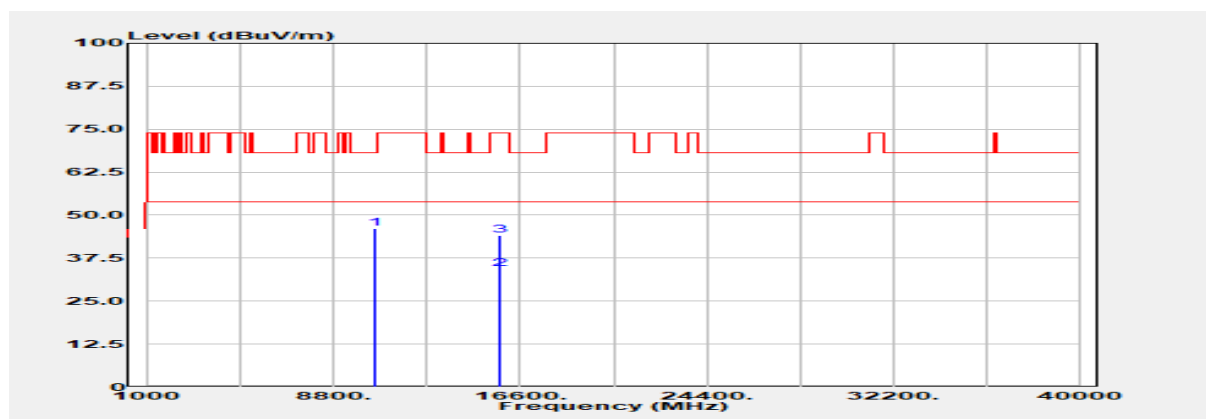
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.000	Peak	35.69	10.42	46.10	68.20	-22.10
15780.000	Average	24.78	9.63	34.41	54.00	-19.59
15780.000	Peak	34.42	9.63	44.04	74.00	-29.96

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5260 MHz

Temp./Humi. :20.9/69

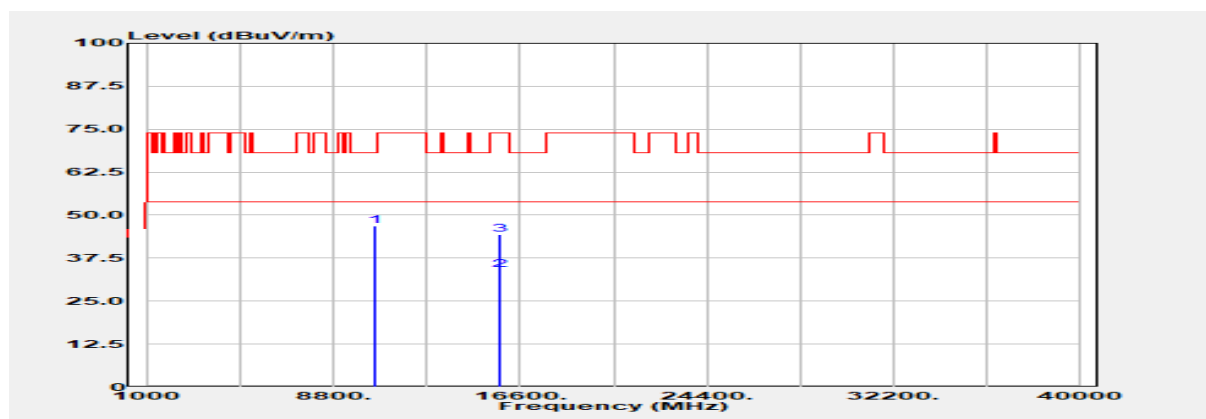
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10520.000	Peak	36.40	10.42	46.82	68.20	-21.38
15780.000	Average	24.56	9.63	34.19	54.00	-19.81
15780.000	Peak	34.81	9.63	44.43	74.00	-29.57

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5300 MHz

Temp./Humi. :20.9/69

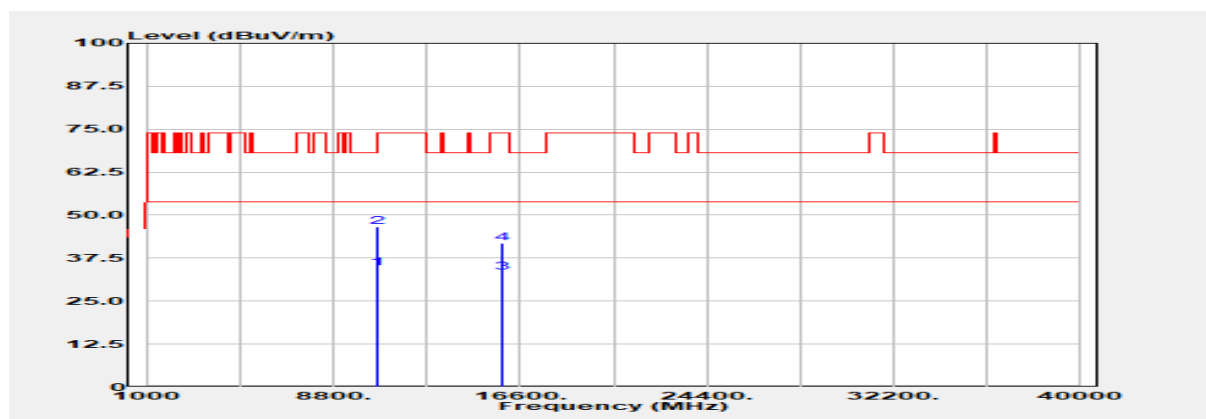
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10600.000	Average	25.02	9.48	34.50	54.00	-19.50
10600.000	Peak	37.06	9.48	46.54	74.00	-27.46
15900.000	Average	24.88	8.52	33.40	54.00	-20.60
15900.000	Peak	33.39	8.52	41.91	74.00	-32.09

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5300 MHz

Temp./Humi. :20.9/69

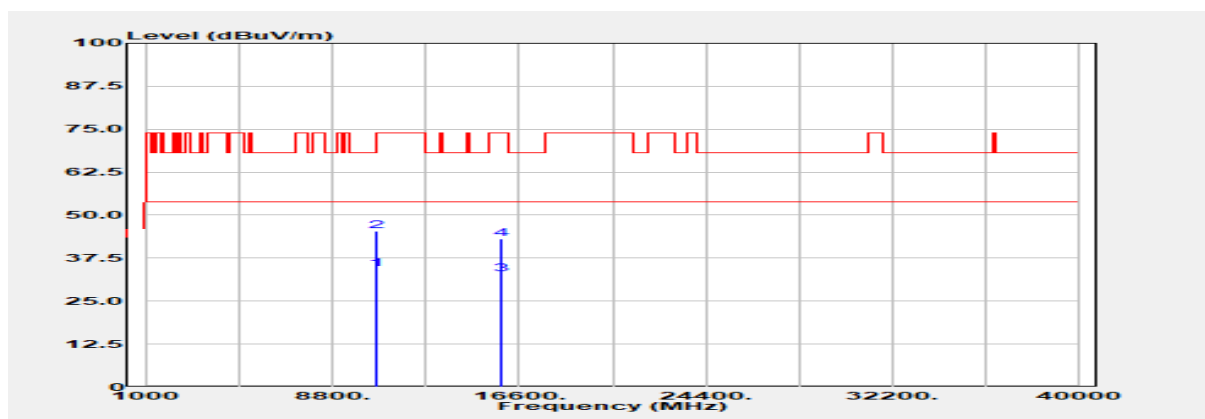
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10600.000	Average	24.93	9.48	34.41	54.00	-19.59
10600.000	Peak	35.96	9.48	45.44	74.00	-28.56
15900.000	Average	24.33	8.52	32.85	54.00	-21.15
15900.000	Peak	34.54	8.52	43.06	74.00	-30.94

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5320 MHz

Temp./Humi. :20.9/69

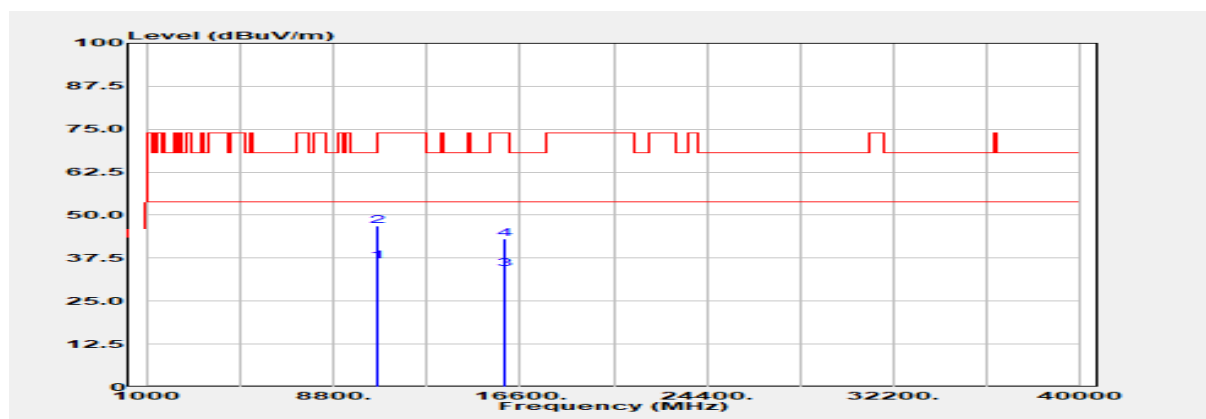
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	Average	26.11	10.60	36.71	54.00	-17.29
10640.000	Peak	36.22	10.60	46.81	74.00	-27.19
15960.000	Average	25.63	8.77	34.40	54.00	-19.60
15960.000	Peak	34.44	8.77	43.21	74.00	-30.79

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5320 MHz

Temp./Humi. :20.9/69

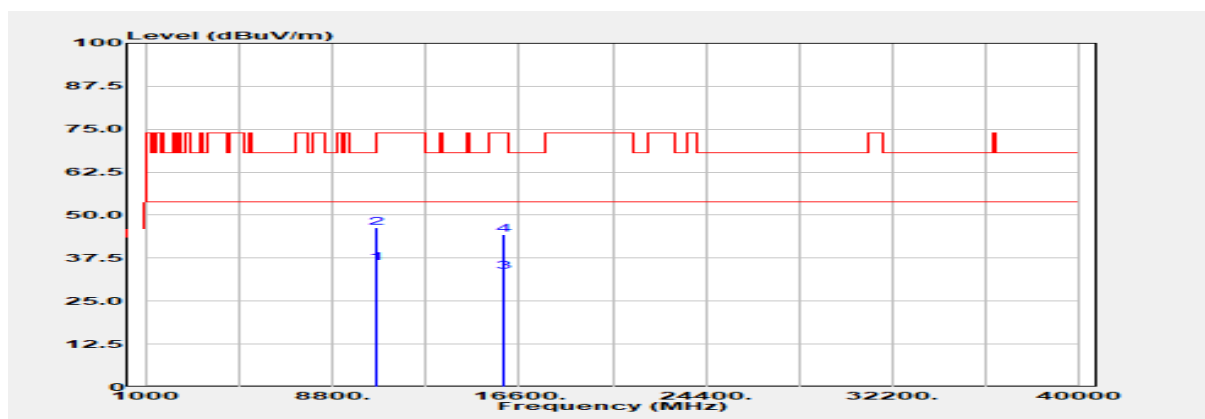
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10640.000	Average	25.37	10.60	35.97	54.00	-18.03
10640.000	Peak	35.74	10.60	46.34	74.00	-27.66
15960.000	Average	24.77	8.77	33.54	54.00	-20.46
15960.000	Peak	35.61	8.77	44.39	74.00	-29.61

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5500 MHz

Temp./Humi. :20.9/69

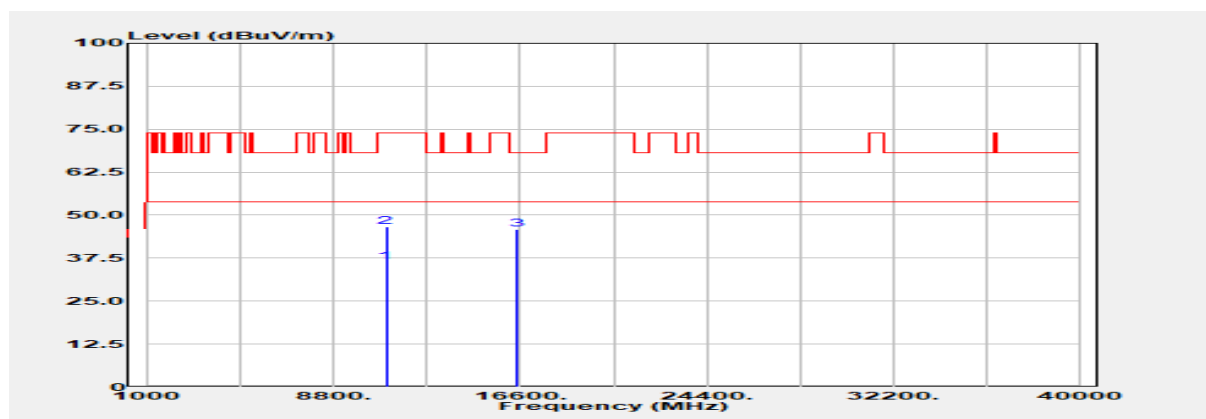
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.000	Average	25.37	11.01	36.38	54.00	-17.62
11000.000	Peak	35.59	11.01	46.60	74.00	-27.40
16500.000	Peak	34.09	11.67	45.76	68.20	-22.44

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5500 MHz

Temp./Humi. :20.9/69

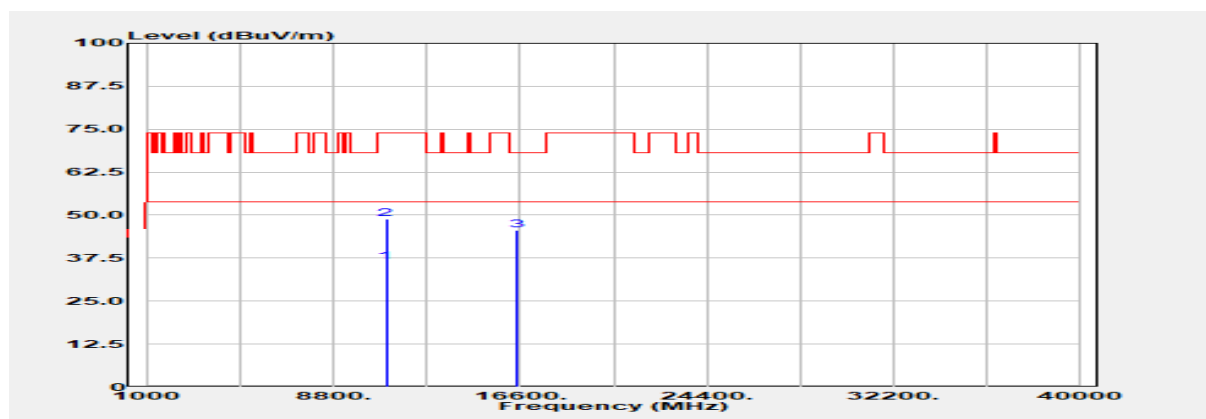
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11000.000	Average	25.27	11.01	36.28	54.00	-17.72
11000.000	Peak	37.84	11.01	48.85	74.00	-25.15
16500.000	Peak	34.06	11.67	45.73	68.20	-22.47

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5580 MHz

Temp./Humi. :20.9/69

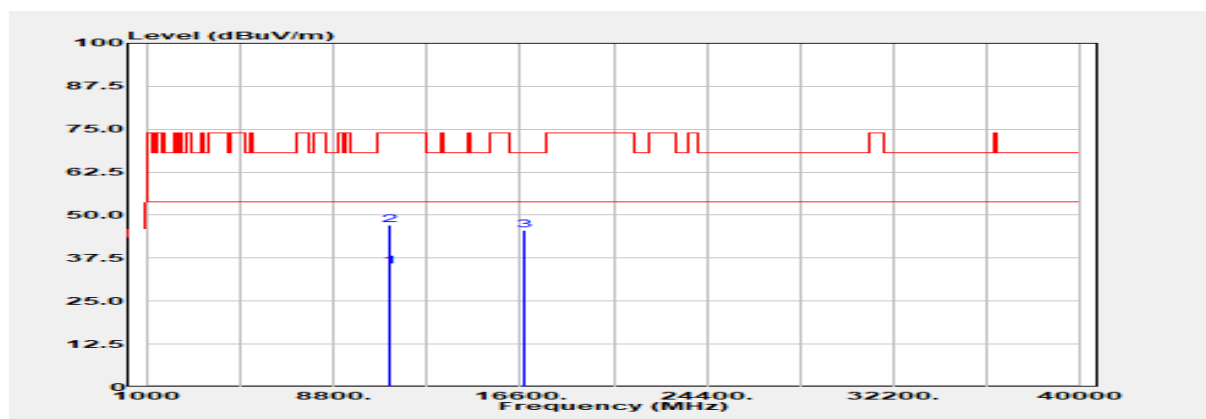
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11160.000	Average	24.19	10.80	34.99	54.00	-19.01
11160.000	Peak	36.42	10.80	47.22	74.00	-26.78
16740.000	Peak	33.54	12.01	45.55	68.20	-22.65

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5580 MHz

Temp./Humi. :20.9/69

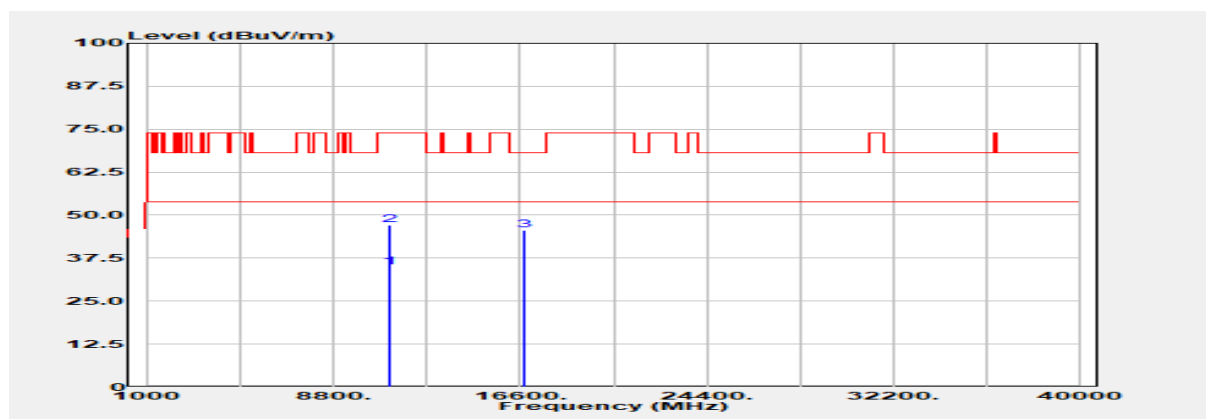
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11160.000	Average	24.08	10.80	34.88	54.00	-19.12
11160.000	Peak	36.20	10.80	47.00	74.00	-27.00
16740.000	Peak	33.68	12.01	45.69	68.20	-22.51

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5700 MHz

Temp./Humi. :20.9/69

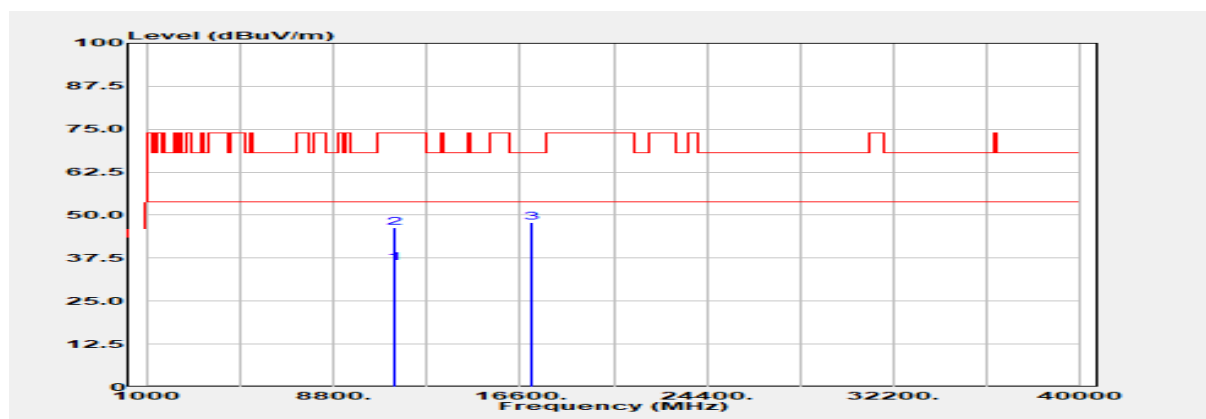
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11400.000	Average	25.88	10.22	36.10	54.00	-17.90
11400.000	Peak	36.17	10.22	46.40	74.00	-27.60
17100.000	Peak	35.91	11.88	47.79	68.20	-20.41

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5700 MHz

Temp./Humi. :20.9/69

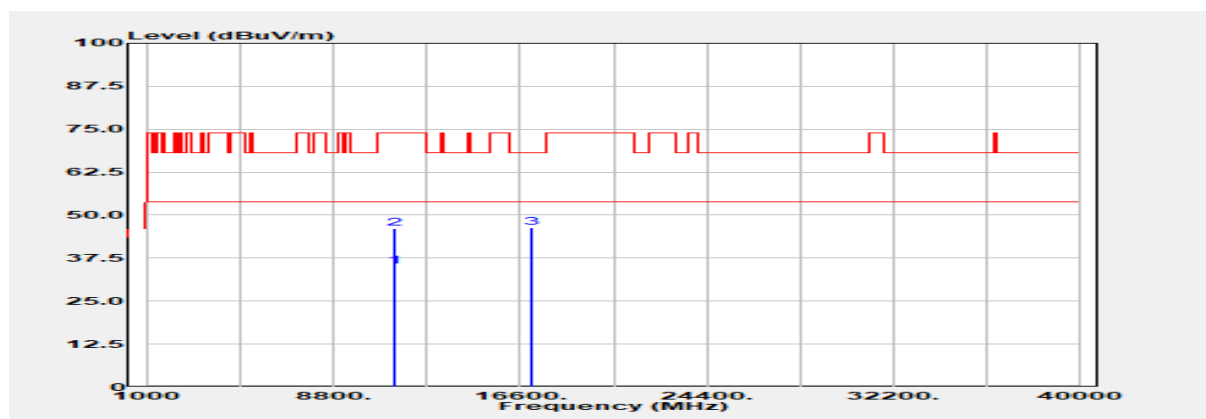
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11400.000	Average	24.97	10.22	35.19	54.00	-18.81
11400.000	Peak	35.96	10.22	46.19	74.00	-27.81
17100.000	Peak	34.42	11.88	46.31	68.20	-21.89

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5720 MHz

Temp./Humi. :20.9/69

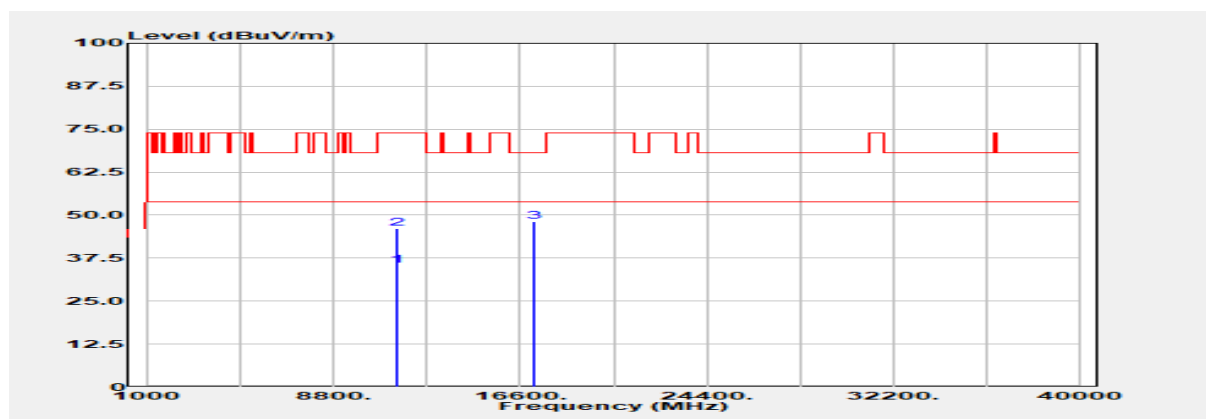
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11440.000	Average	25.23	10.14	35.37	54.00	-18.63
11440.000	Peak	35.94	10.14	46.08	74.00	-27.92
17160.000	Peak	34.18	13.86	48.05	68.20	-20.15

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5720 MHz

Temp./Humi. :20.9/69

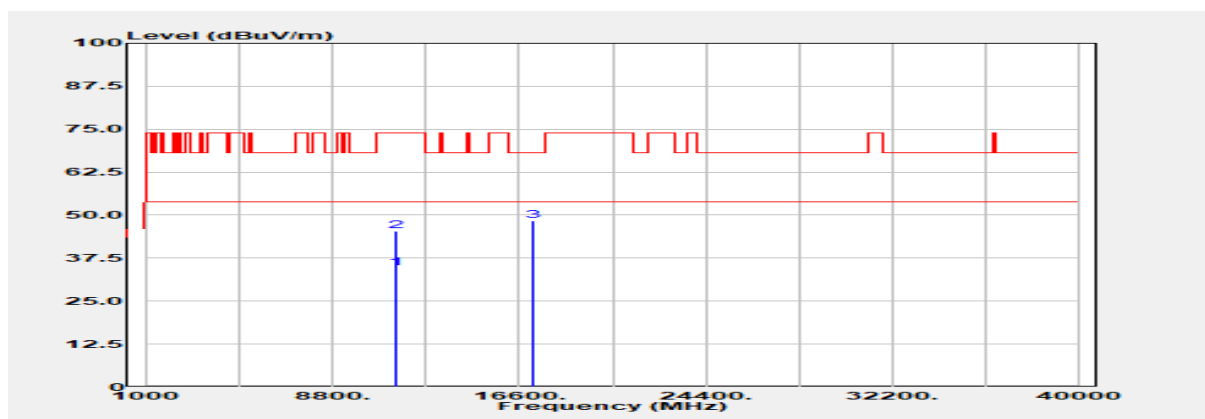
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11440.000	Average	24.37	10.14	34.51	54.00	-19.49
11440.000	Peak	35.17	10.14	45.31	74.00	-28.69
17160.000	Peak	34.51	13.86	48.37	68.20	-19.83

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5745 MHz

Temp./Humi. :20.9/69

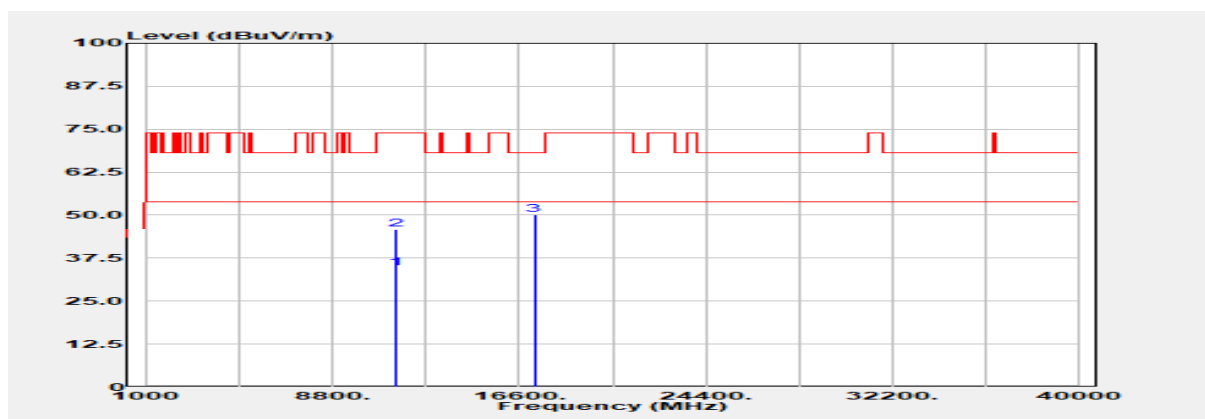
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11490.000	Average	24.23	10.39	34.62	54.00	-19.38
11490.000	Peak	35.35	10.39	45.74	74.00	-28.26
17235.000	Peak	36.94	13.28	50.22	68.20	-17.98

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5745 MHz

Temp./Humi. :20.9/69

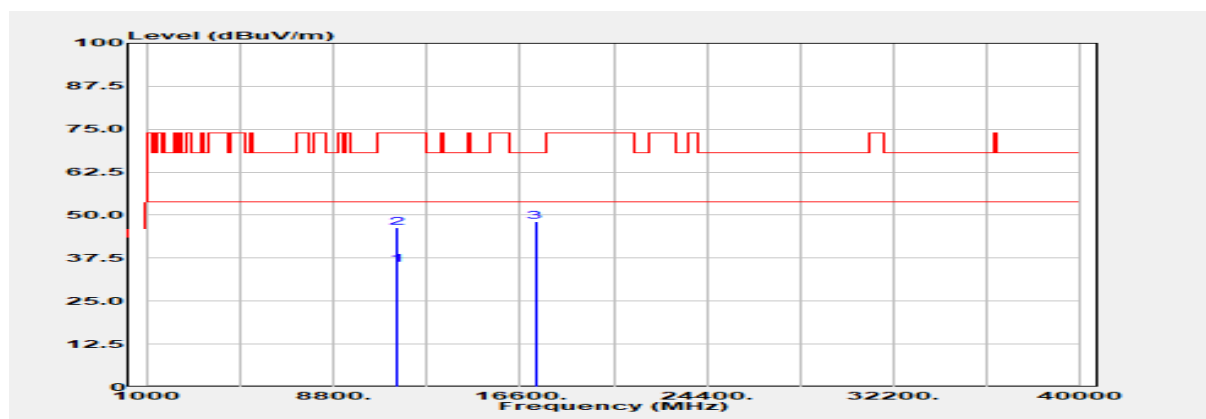
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11490.000	Average	25.27	10.39	35.66	54.00	-18.34
11490.000	Peak	36.09	10.39	46.47	74.00	-27.53
17235.000	Peak	34.79	13.28	48.07	68.20	-20.13

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5785 MHz

Temp./Humi. :20.9/69

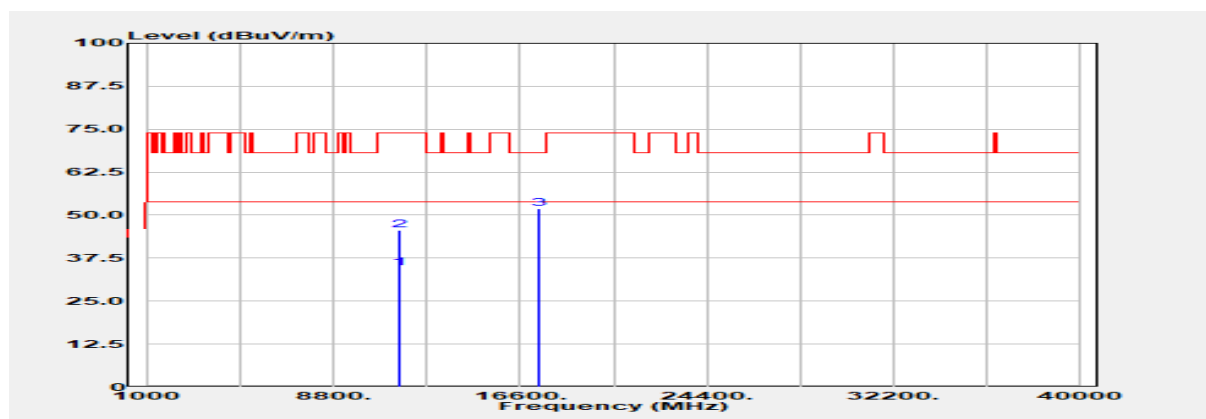
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11570.000	Average	24.43	10.16	34.59	54.00	-19.41
11570.000	Peak	35.50	10.16	45.66	74.00	-28.34
17355.000	Peak	36.69	15.06	51.75	68.20	-16.45

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5785 MHz

Temp./Humi. :20.9/69

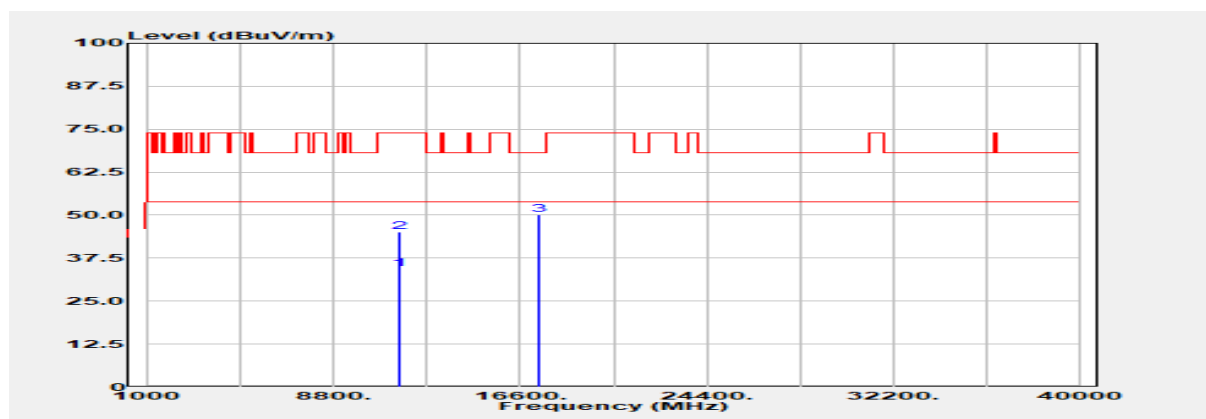
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11570.000	Average	24.12	10.16	34.28	54.00	-19.72
11570.000	Peak	35.07	10.16	45.23	74.00	-28.77
17355.000	Peak	35.01	15.06	50.07	68.20	-18.13

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5825 MHz

Temp./Humi. :20.9/69

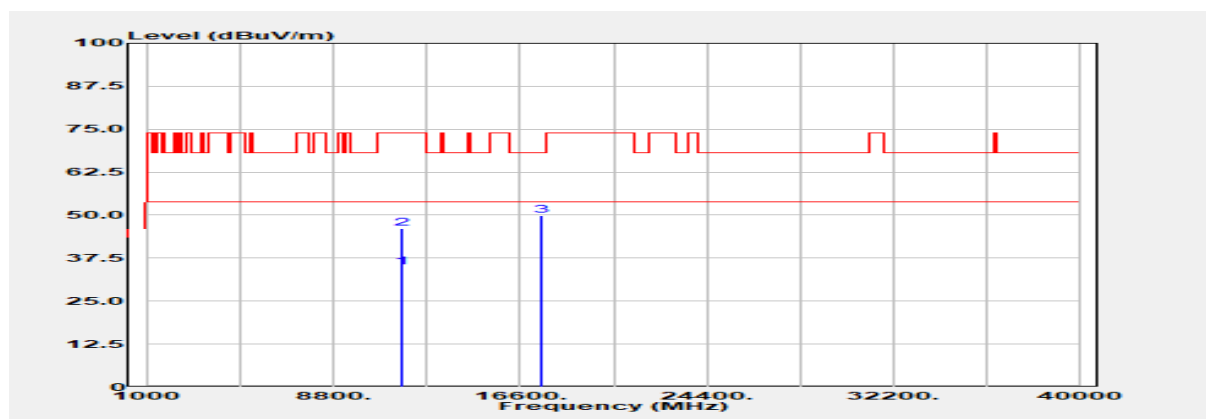
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11650.000	Average	24.67	10.26	34.93	54.00	-19.07
11650.000	Peak	35.77	10.26	46.03	74.00	-27.97
17475.000	Peak	34.12	15.66	49.78	68.20	-18.42

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-18

Test Frequency :5825 MHz

Temp./Humi. :20.9/69

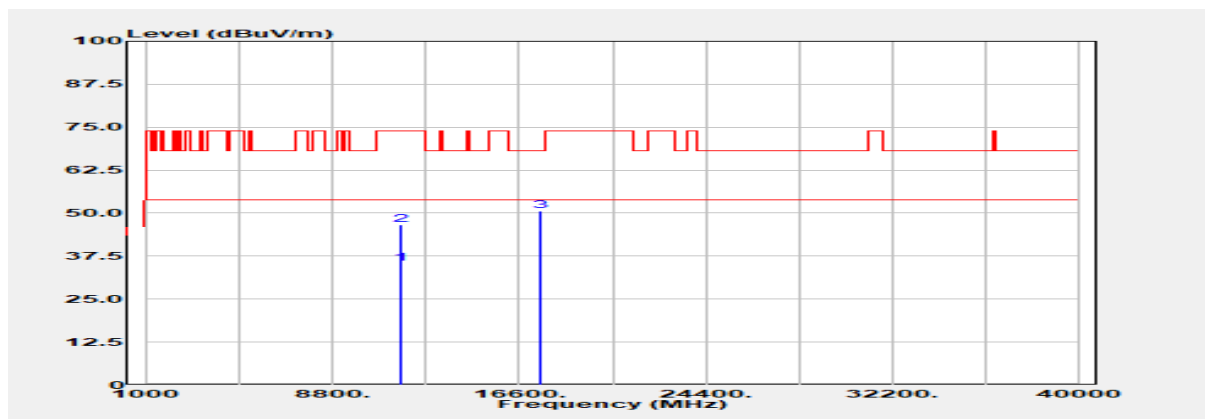
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
11650.000	Average	25.02	10.26	35.28	54.00	-18.72
11650.000	Peak	36.38	10.26	46.63	74.00	-27.37
17475.000	Peak	35.03	15.66	50.69	68.20	-17.51

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5190 MHz

Temp./Humi. :20.9/69

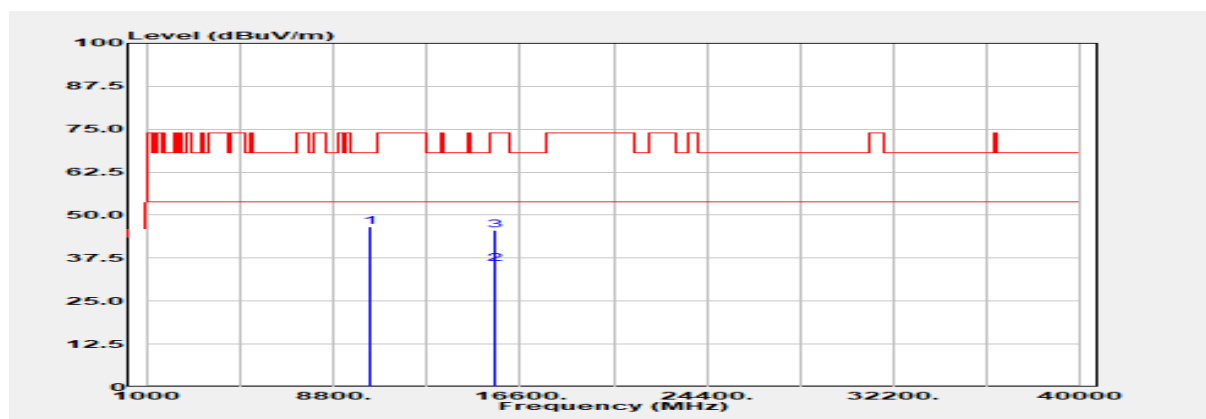
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10380.000	Peak	36.68	9.86	46.54	68.20	-21.66
15570.000	Average	25.81	10.10	35.90	54.00	-18.10
15570.000	Peak	35.42	10.10	45.52	74.00	-28.48

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5190 MHz

Temp./Humi. :20.9/69

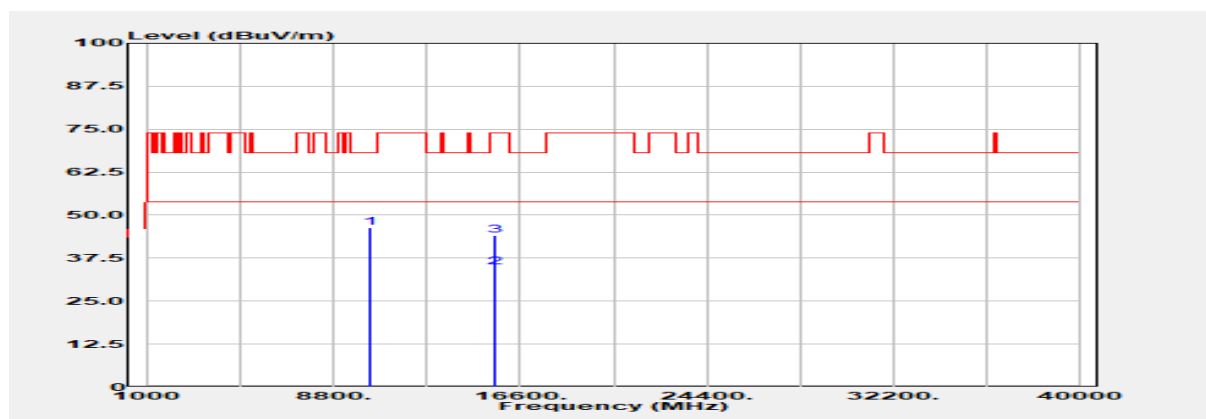
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10380.000	Peak	36.59	9.86	46.46	68.20	-21.74
15570.000	Average	24.81	10.10	34.91	54.00	-19.09
15570.000	Peak	34.06	10.10	44.15	74.00	-29.85

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5230 MHz

Temp./Humi. :20.9/69

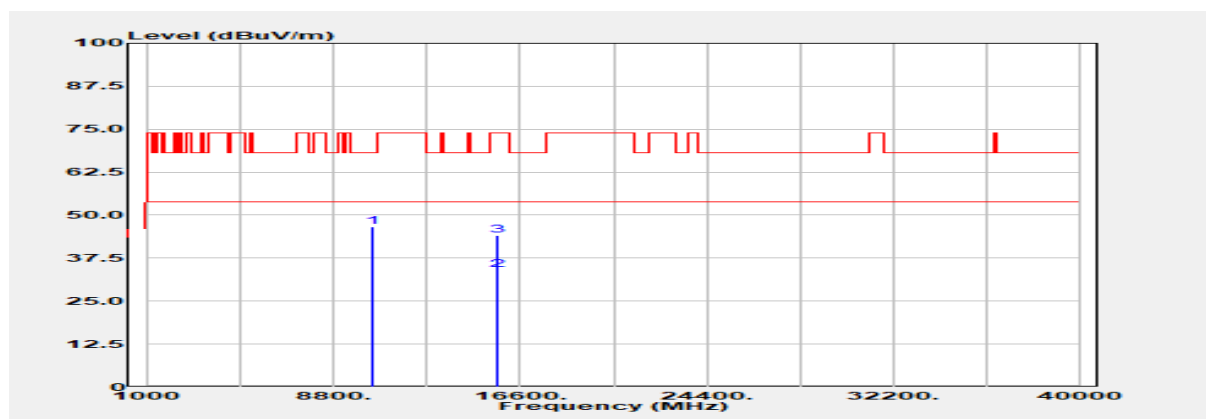
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10460.000	Peak	36.08	10.56	46.65	68.20	-21.55
15690.000	Average	24.23	9.85	34.08	54.00	-19.92
15690.000	Peak	34.29	9.85	44.14	74.00	-29.86

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5230 MHz

Temp./Humi. :20.9/69

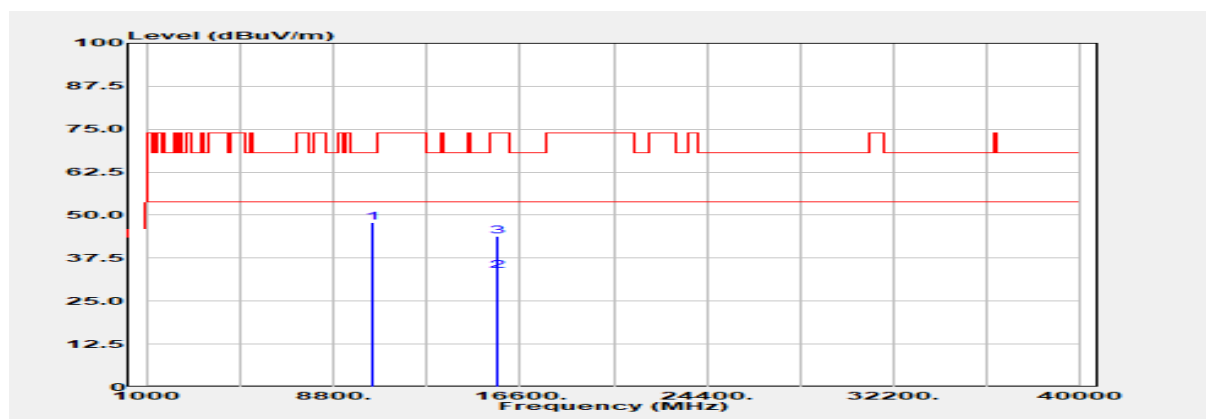
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10460.000	Peak	37.32	10.56	47.89	68.20	-20.31
15690.000	Average	23.87	9.85	33.72	54.00	-20.28
15690.000	Peak	33.96	9.85	43.81	74.00	-30.19

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5270 MHz

Temp./Humi. :20.9/69

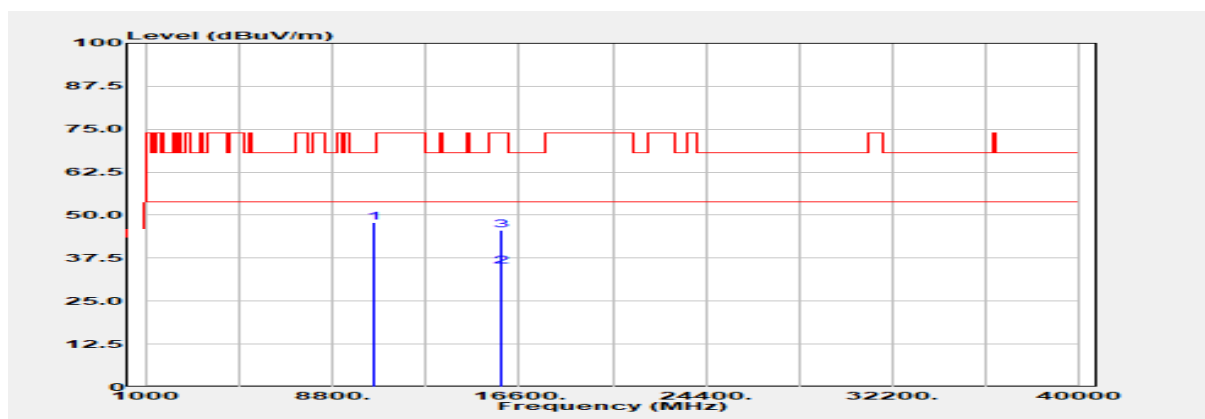
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10540.000	Peak	36.73	11.09	47.82	68.20	-20.38
15810.000	Average	25.72	9.48	35.21	54.00	-18.79
15810.000	Peak	36.07	9.48	45.55	74.00	-28.45

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5270 MHz

Temp./Humi. :20.9/69

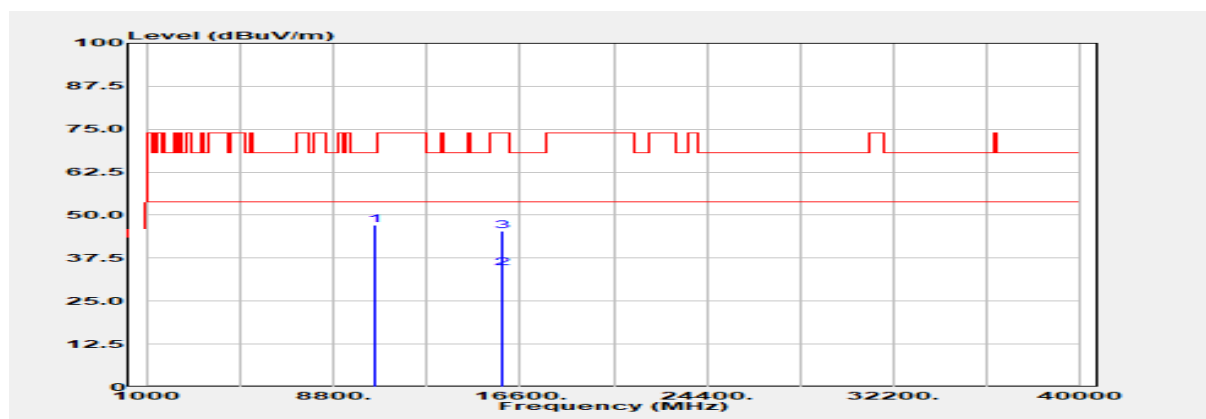
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10540.000	Peak	35.91	11.09	47.00	68.20	-21.20
15810.000	Average	25.14	9.48	34.62	54.00	-19.38
15810.000	Peak	35.93	9.48	45.42	74.00	-28.58

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5310 MHz

Temp./Humi. :20.9/69

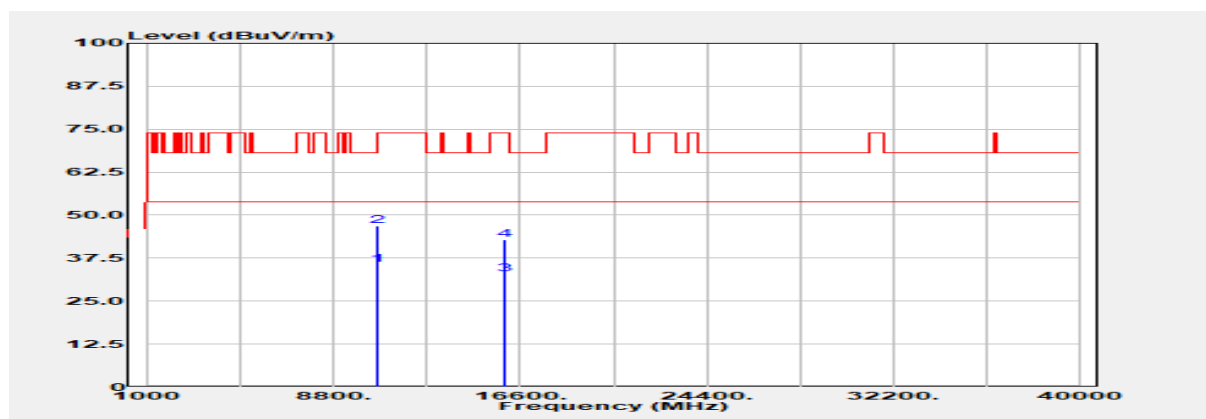
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10620.000	Average	25.61	10.04	35.65	54.00	-18.35
10620.000	Peak	36.84	10.04	46.88	74.00	-27.12
15930.000	Average	24.21	8.66	32.87	54.00	-21.13
15930.000	Peak	34.17	8.66	42.83	74.00	-31.17

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5310 MHz

Temp./Humi. :20.9/69

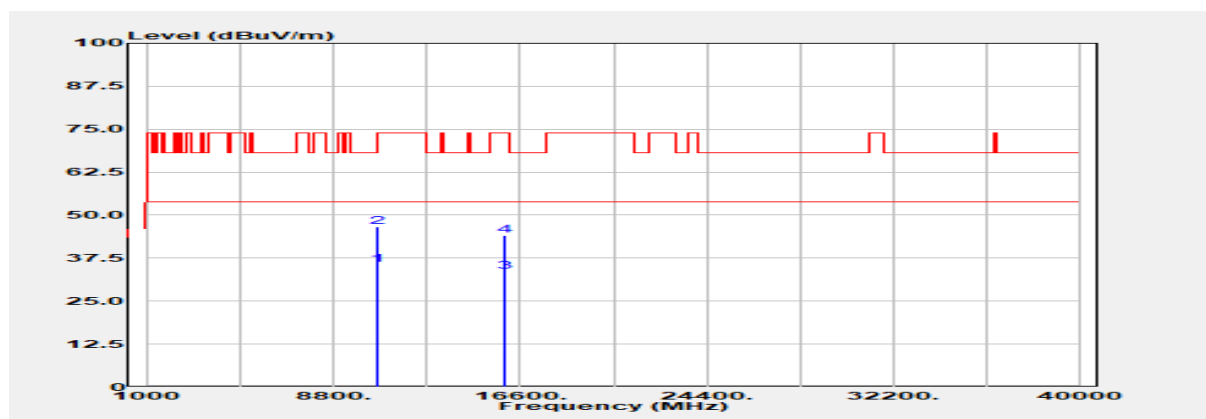
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10620.000	Average	25.66	10.04	35.70	54.00	-18.30
10620.000	Peak	36.48	10.04	46.52	74.00	-27.48
15930.000	Average	24.98	8.66	33.64	54.00	-20.36
15930.000	Peak	35.56	8.66	44.23	74.00	-29.77

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5510 MHz

Temp./Humi. :20.9/69

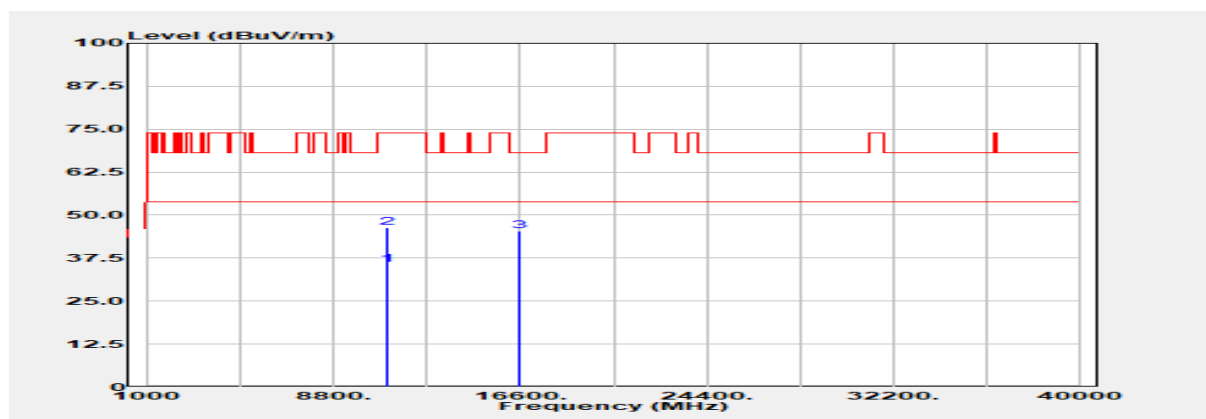
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11020.000	Average	25.21	10.34	35.55	54.00	-18.45
11020.000	Peak	35.94	10.34	46.28	74.00	-27.72
16530.000	Peak	34.06	11.42	45.48	68.20	-22.72

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5510 MHz

Temp./Humi. :20.9/69

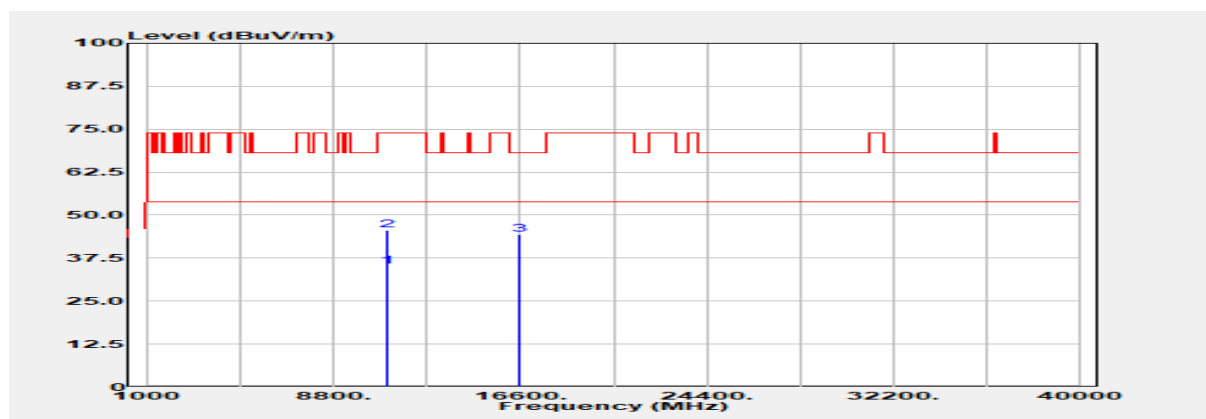
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11020.000	Average	24.85	10.34	35.19	54.00	-18.81
11020.000	Peak	35.37	10.34	45.71	74.00	-28.29
16530.000	Peak	33.04	11.42	44.46	68.20	-23.74

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5550 MHz

Temp./Humi. :20.9/69

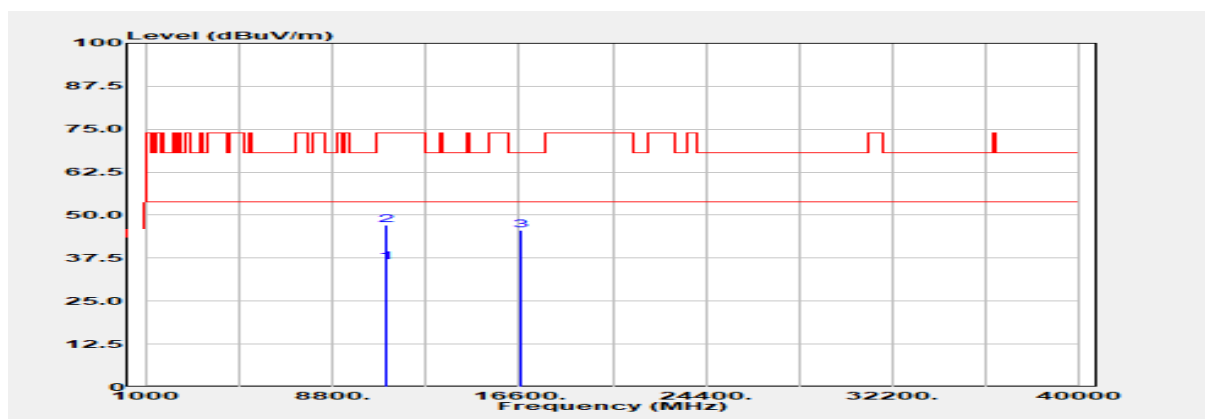
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
11100.000	Average	25.37	10.86	36.23	54.00	-17.77
11100.000	Peak	36.23	10.86	47.09	74.00	-26.91
16650.000	Peak	34.26	11.37	45.64	68.20	-22.56

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5550 MHz

Temp./Humi. :20.9/69

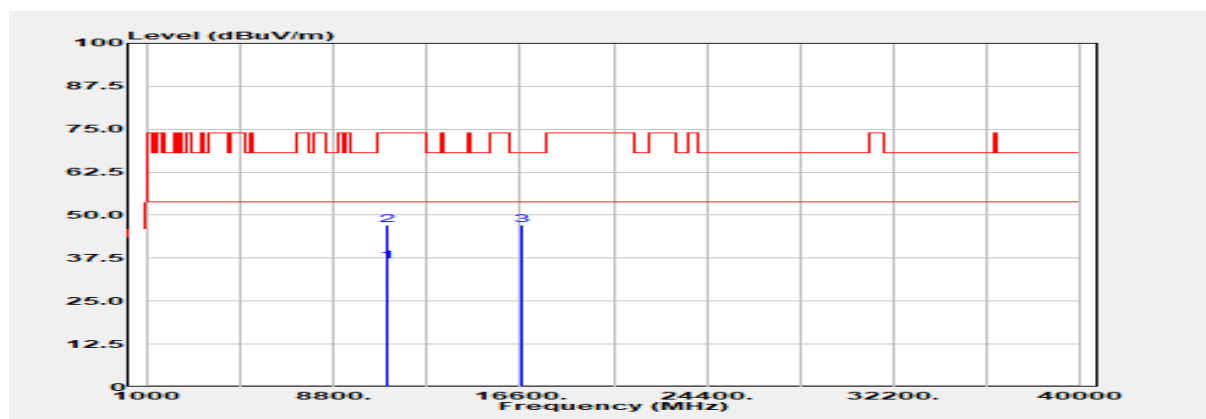
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11100.000	Average	25.79	10.86	36.65	54.00	-17.35
11100.000	Peak	36.24	10.86	47.10	74.00	-26.90
16650.000	Peak	35.73	11.37	47.10	68.20	-21.10

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5670 MHz

Temp./Humi. :20.9/69

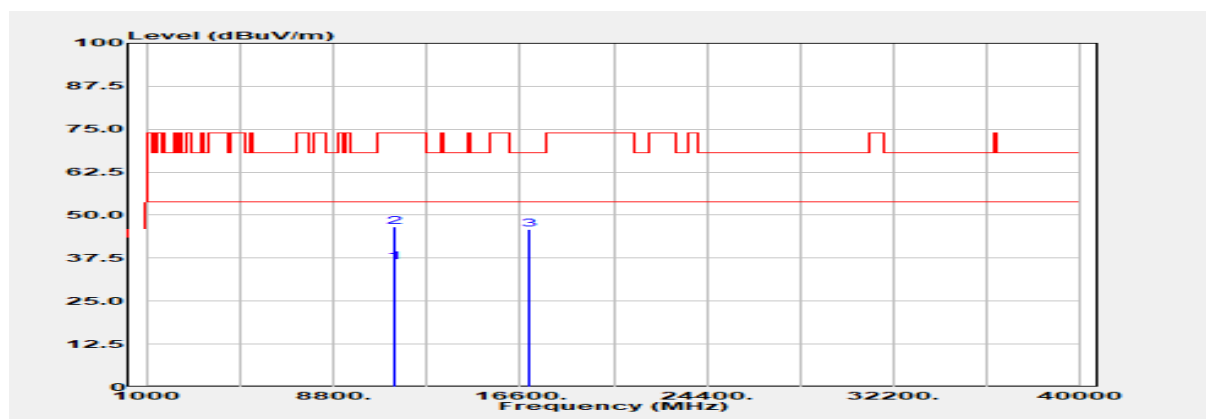
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11340.000	Average	25.67	10.56	36.23	54.00	-17.77
11340.000	Peak	36.13	10.56	46.69	74.00	-27.31
17010.000	Peak	32.93	12.91	45.84	68.20	-22.36

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5670 MHz

Temp./Humi. :20.9/69

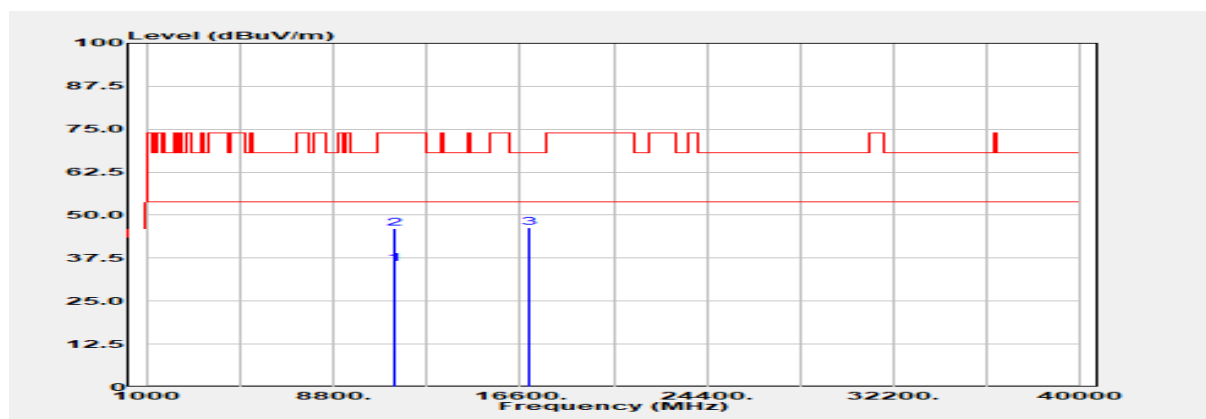
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11340.000	Average	25.37	10.56	35.93	54.00	-18.07
11340.000	Peak	35.44	10.56	46.00	74.00	-28.00
17010.000	Peak	33.40	12.91	46.31	68.20	-21.89

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5710 MHz

Temp./Humi. :20.9/69

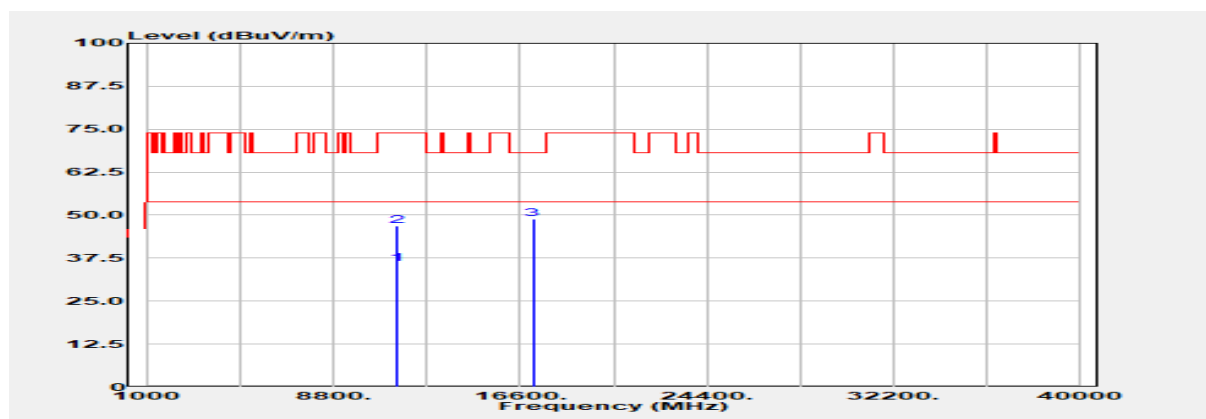
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11420.000	Average	25.54	10.18	35.72	54.00	-18.28
11420.000	Peak	36.66	10.18	46.84	74.00	-27.16
17130.000	Peak	35.62	13.19	48.82	68.20	-19.38

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5710 MHz

Temp./Humi. :20.9/69

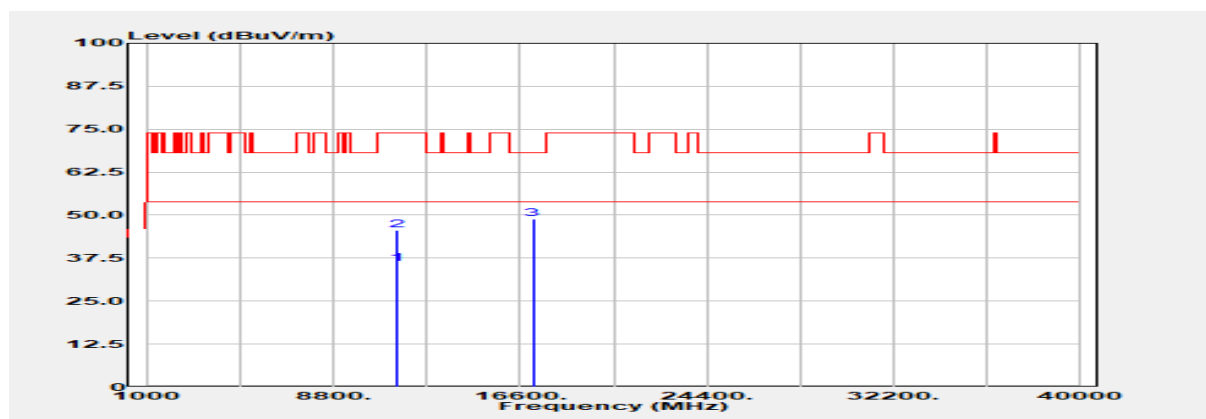
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11420.000	Average	25.67	10.18	35.85	54.00	-18.15
11420.000	Peak	35.34	10.18	45.52	74.00	-28.48
17130.000	Peak	35.66	13.19	48.86	68.20	-19.34

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5755 MHz

Temp./Humi. :20.9/69

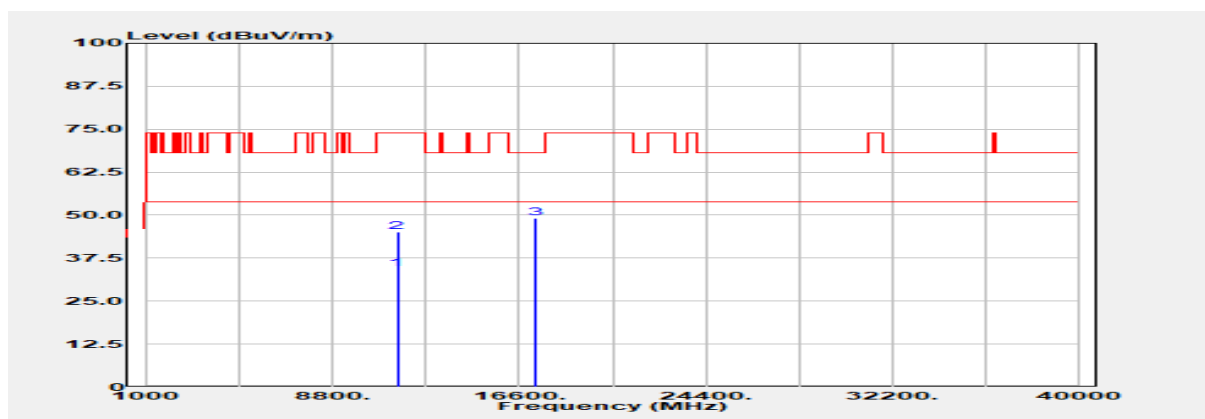
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11510.000	Average	24.22	10.21	34.43	54.00	-19.57
11510.000	Peak	34.96	10.21	45.17	74.00	-28.83
17265.000	Peak	35.84	13.39	49.23	68.20	-18.97

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5755 MHz

Temp./Humi. :20.9/69

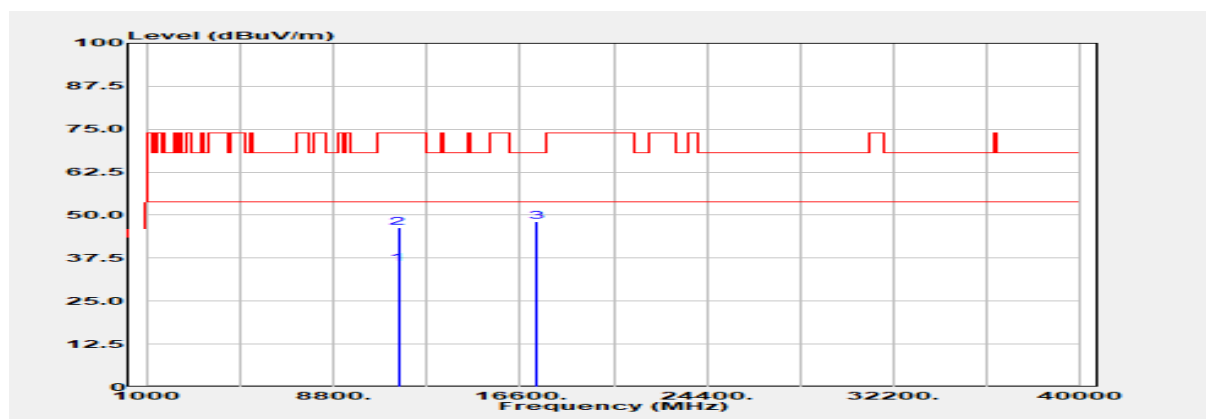
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11510.000	Average	25.63	10.21	35.84	54.00	-18.16
11510.000	Peak	36.06	10.21	46.27	74.00	-27.73
17265.000	Peak	34.82	13.39	48.21	68.20	-19.99

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5795 MHz

Temp./Humi. :20.9/69

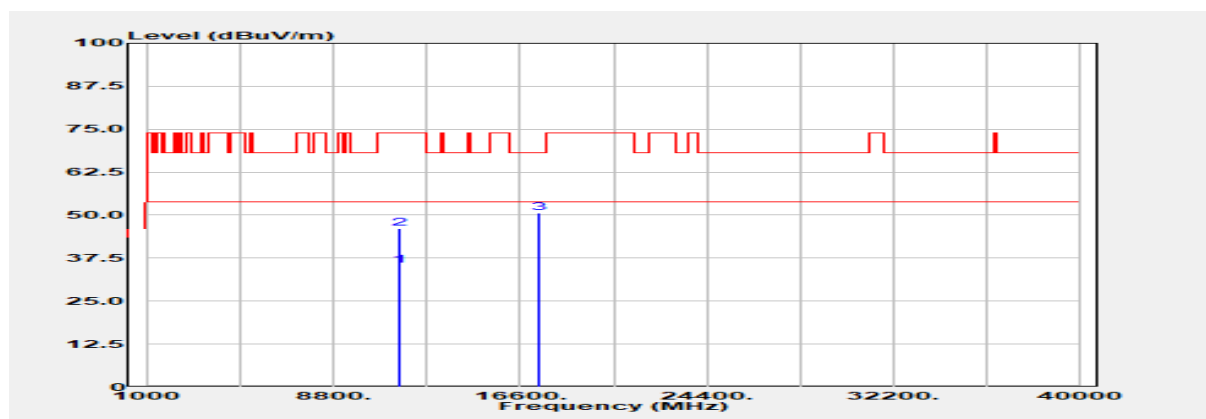
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11590.000	Average	24.31	11.08	35.39	54.00	-18.61
11590.000	Peak	35.09	11.08	46.17	74.00	-27.83
17385.000	Peak	36.44	14.30	50.74	68.20	-17.46

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-18

Test Frequency :5795 MHz

Temp./Humi. :20.9/69

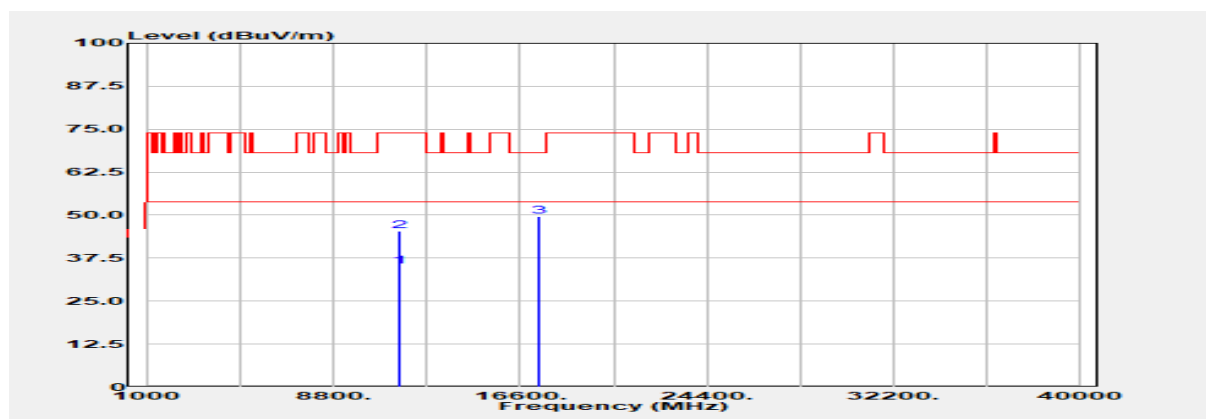
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11590.000	Average	23.91	11.08	34.99	54.00	-19.01
11590.000	Peak	34.40	11.08	45.49	74.00	-28.51
17385.000	Peak	35.30	14.30	49.60	68.20	-18.60

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5210 MHz

Temp./Humi. :20.9/69

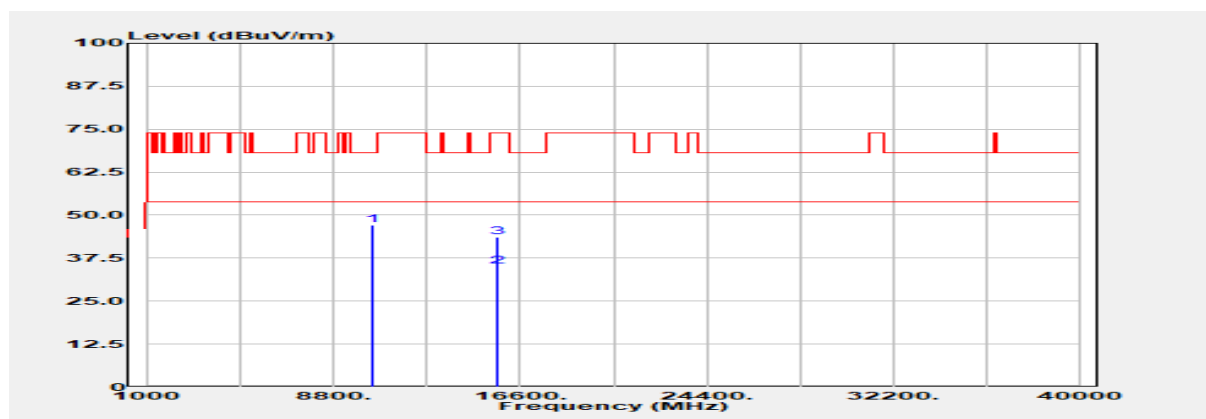
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
10420.000	Peak	36.81	10.37	47.19	68.20	-21.01
15630.000	Average	25.84	9.36	35.20	54.00	-18.80
15630.000	Peak	34.15	9.36	43.51	74.00	-30.49

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5210 MHz

Temp./Humi. :20.9/69

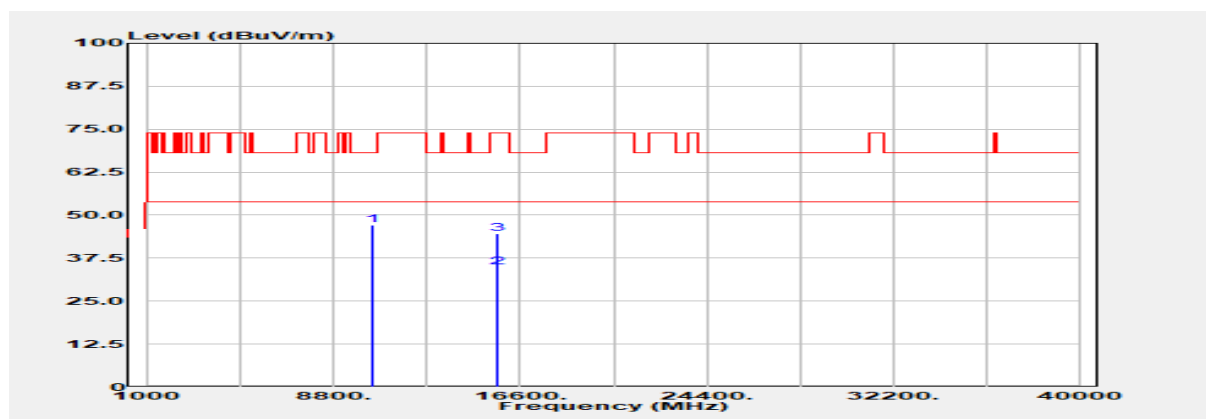
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10420.000	Peak	36.69	10.37	47.07	68.20	-21.13
15630.000	Average	25.43	9.36	34.79	54.00	-19.21
15630.000	Peak	35.15	9.36	44.51	74.00	-29.49

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5290 MHz

Temp./Humi. :20.9/69

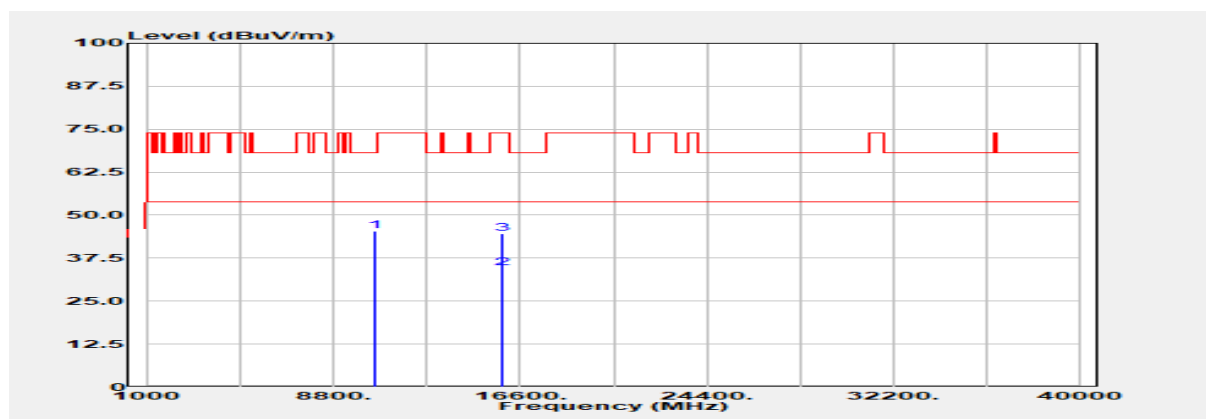
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10580.000	Peak	35.14	10.26	45.40	68.20	-22.80
15870.000	Average	25.31	9.15	34.46	54.00	-19.54
15870.000	Peak	35.47	9.15	44.62	74.00	-29.38

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5290 MHz

Temp./Humi. :20.9/69

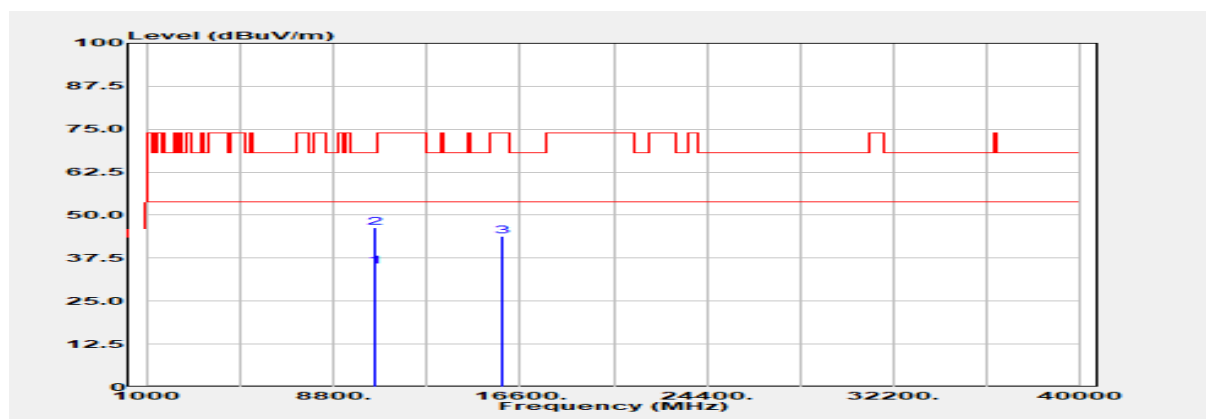
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
10580.000	Average	24.92	10.26	35.18	54.00	-18.82
10580.000	Peak	36.03	10.26	46.29	68.20	-21.91
15870.000	Peak	34.73	9.15	43.89	74.00	-30.11

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5530 MHz

Temp./Humi. :20.9/69

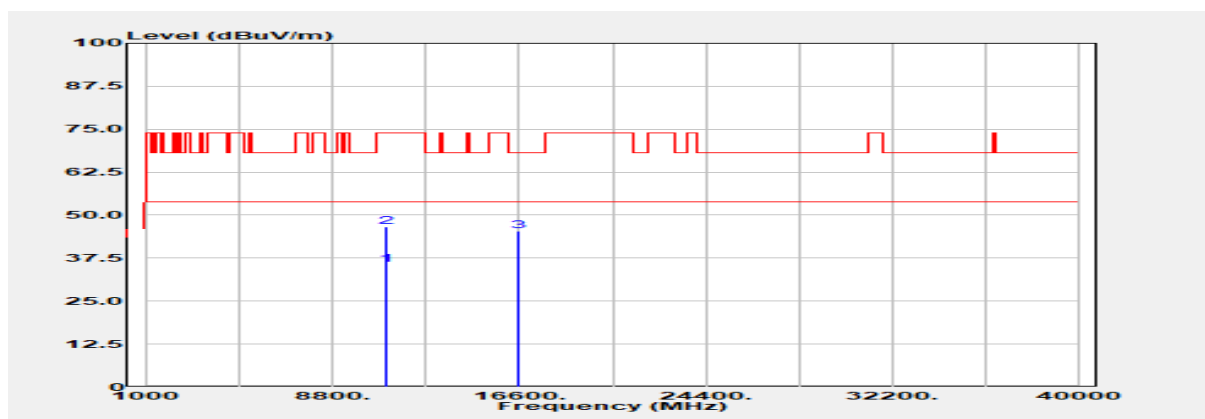
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11060.000	Average	25.97	9.65	35.62	54.00	-18.38
11060.000	Peak	36.89	9.65	46.53	74.00	-27.47
16590.000	Peak	34.35	11.09	45.44	68.20	-22.76

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5530 MHz

Temp./Humi. :20.9/69

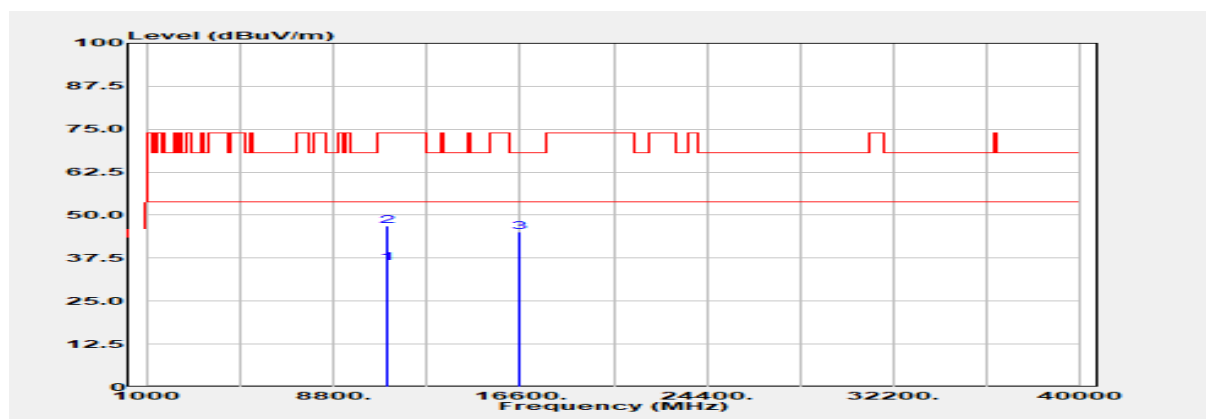
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
11060.000	Average	26.32	9.65	35.97	54.00	-18.03
11060.000	Peak	37.19	9.65	46.84	74.00	-27.16
16590.000	Peak	34.11	11.09	45.20	68.20	-23.00

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5610 MHz

Temp./Humi. :20.9/69

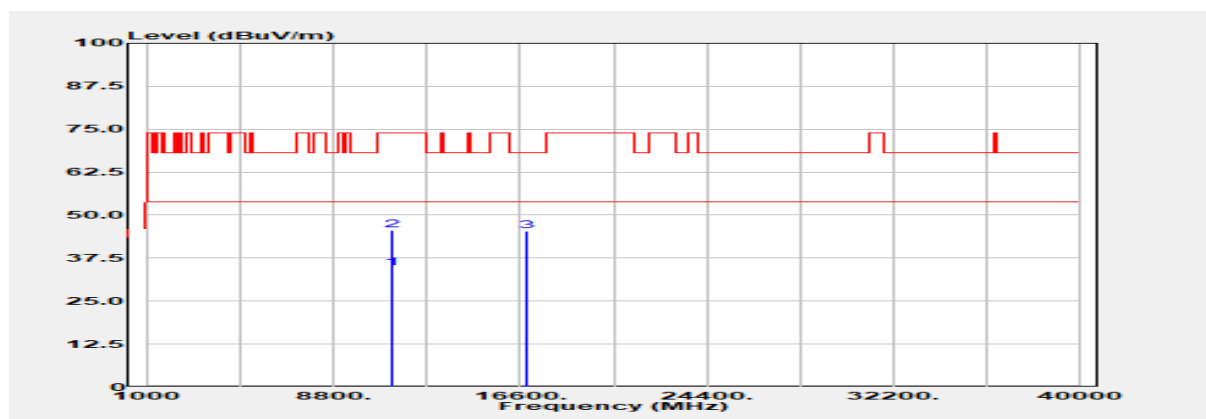
Test Mode :TX CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11220.000	Average	24.13	10.50	34.63	54.00	-19.37
11220.000	Peak	35.16	10.50	45.66	74.00	-28.34
16830.000	Peak	33.38	11.98	45.36	68.20	-22.84

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5610 MHz

Temp./Humi. :20.9/69

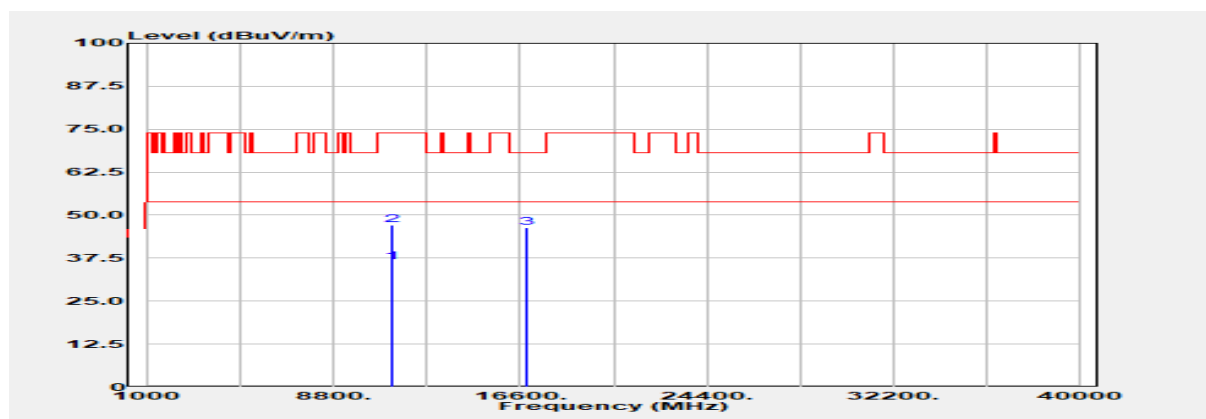
Test Mode :TX CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11220.000	Average	25.88	10.50	36.38	54.00	-17.62
11220.000	Peak	36.58	10.50	47.08	74.00	-26.92
16830.000	Peak	34.32	11.98	46.30	68.20	-21.90

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5690 MHz

Temp./Humi. :20.9/69

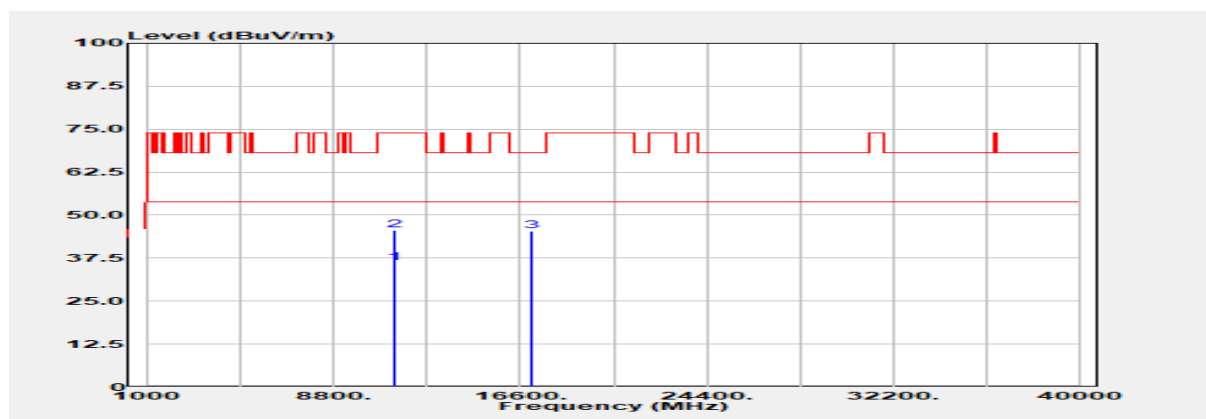
Test Mode :TX CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11380.000	Average	25.69	10.36	36.05	54.00	-17.95
11380.000	Peak	35.28	10.36	45.63	74.00	-28.37
17070.000	Peak	32.75	12.72	45.47	68.20	-22.73

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5690 MHz

Temp./Humi. :20.9/69

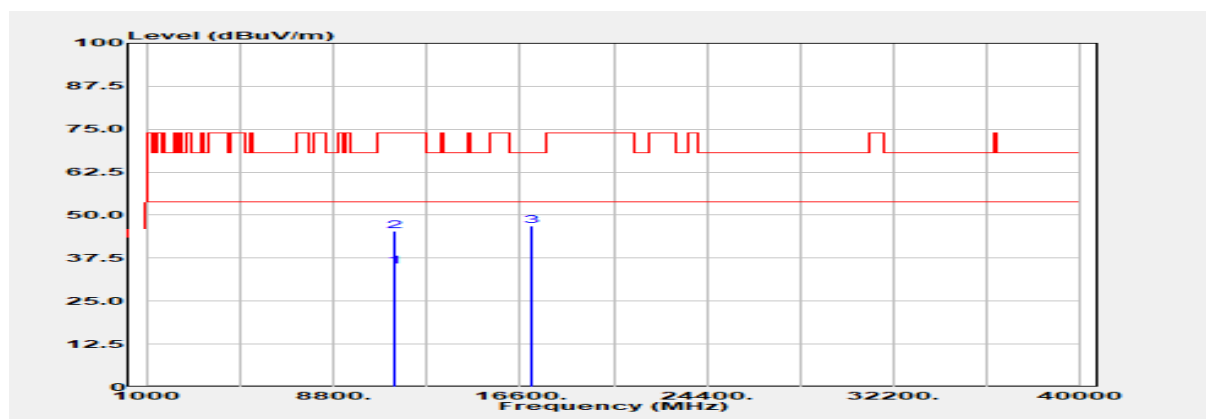
Test Mode :TX CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11380.000	Average	24.67	10.36	35.03	54.00	-18.97
11380.000	Peak	35.12	10.36	45.48	74.00	-28.52
17070.000	Peak	34.18	12.72	46.89	68.20	-21.31

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5775 MHz

Temp./Humi. :20.9/69

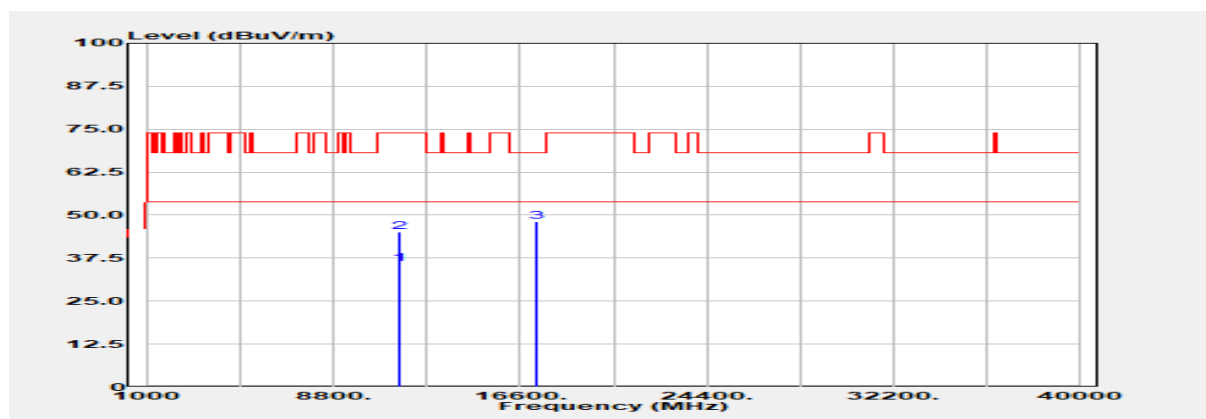
Test Mode :TX CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11550.000	Average	26.71	9.24	35.95	54.00	-18.05
11550.000	Peak	35.81	9.24	45.05	74.00	-28.95
17325.000	Peak	33.73	14.31	48.04	68.20	-20.16

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-18

Test Frequency :5775 MHz

Temp./Humi. :20.9/69

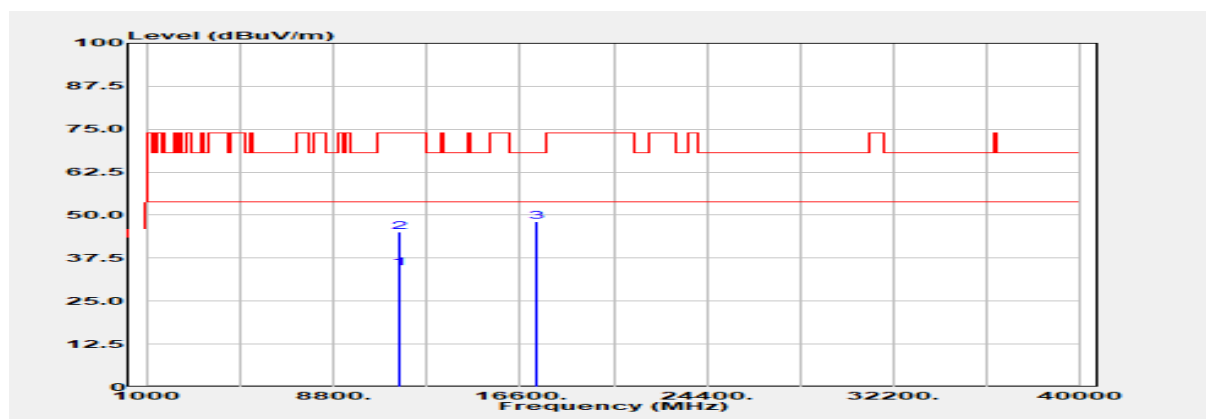
Test Mode :TX CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
11550.000	Average	25.34	9.24	34.58	54.00	-19.42
11550.000	Peak	35.76	9.24	45.00	74.00	-29.00
17325.000	Peak	33.82	14.31	48.13	68.20	-20.07

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11.6.2 Band edge falling to restricted band

Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5180 MHz

Temp./Humi. :22.4/70

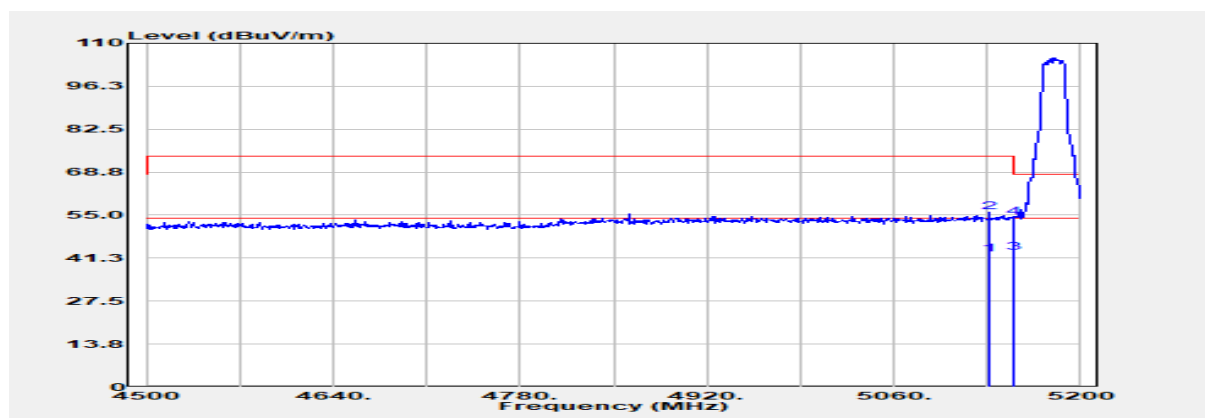
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5131.400	Average	41.58	0.97	42.54	54.00	-11.46
5131.400	Peak	55.01	0.97	55.98	74.00	-18.02
5150.000	Average	41.67	1.24	42.91	54.00	-11.09
5150.000	Peak	53.21	1.24	54.44	74.00	-19.56

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5180 MHz

Temp./Humi. :22.4/70

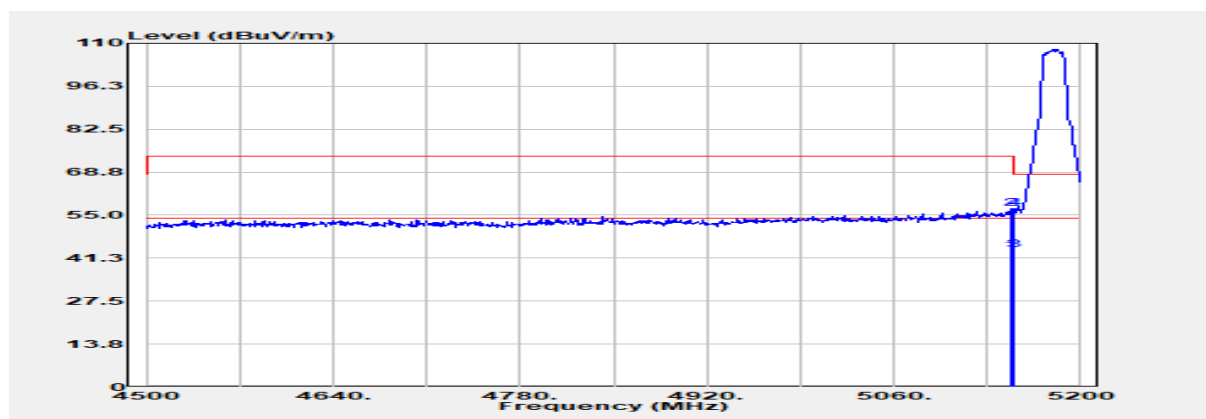
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5148.200	Average	42.30	1.21	43.51	54.00	-10.49
5148.200	Peak	55.74	1.21	56.95	74.00	-17.05
5150.000	Average	42.53	1.24	43.77	54.00	-10.23
5150.000	Peak	55.85	1.24	57.09	74.00	-16.91

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5320 MHz

Temp./Humi. :22.4/70

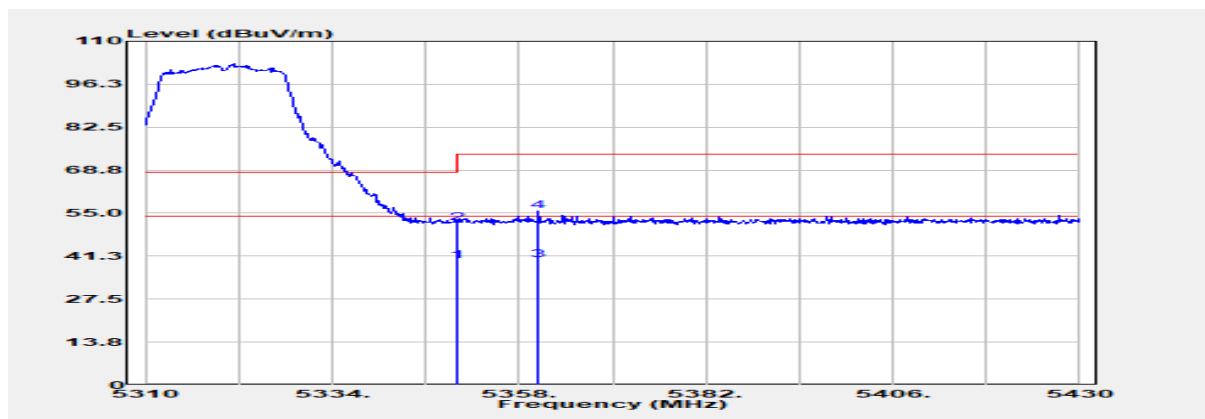
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5350.000	Average	39.45	0.38	39.83	54.00	-14.17
5350.000	Peak	51.39	0.38	51.77	74.00	-22.23
5360.520	Average	39.59	0.46	40.05	54.00	-13.95
5360.520	Peak	55.25	0.46	55.71	74.00	-18.29

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5320 MHz

Temp./Humi. :22.4/70

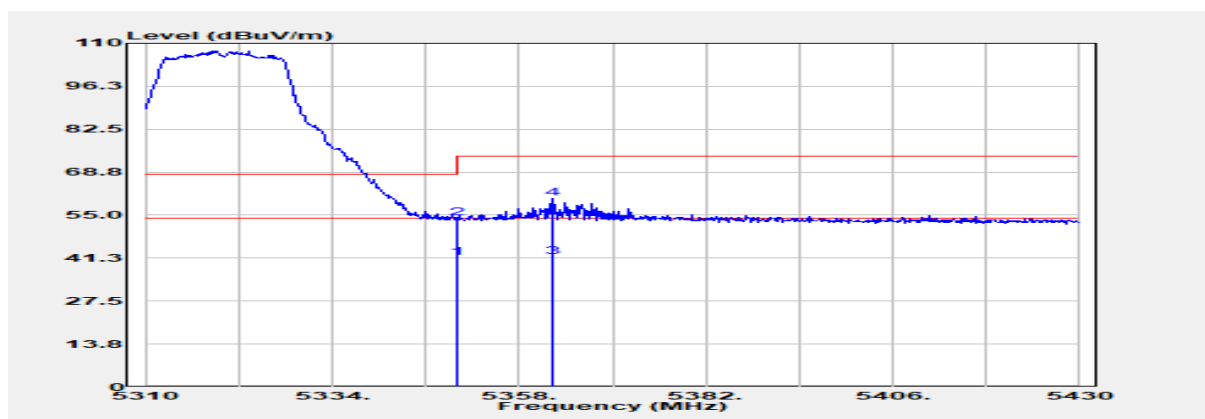
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	41.09	0.38	41.46	54.00	-12.54
5350.000	Peak	53.61	0.38	53.99	74.00	-20.01
5362.320	Average	41.18	0.47	41.65	54.00	-12.35
5362.320	Peak	59.77	0.47	60.24	74.00	-13.76

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5500 MHz

Temp./Humi. :22.4/70

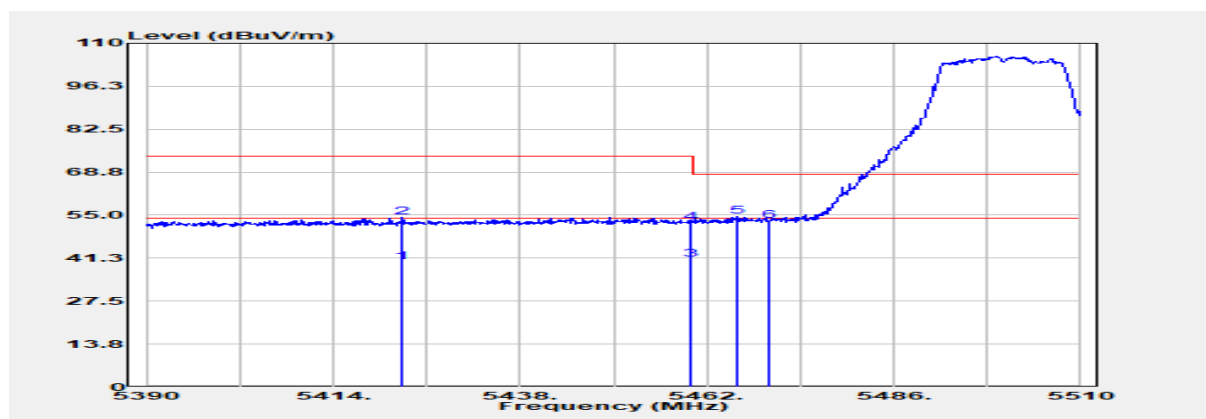
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5422.880	Average	39.22	0.82	40.04	54.00	-13.96
5422.880	Peak	53.59	0.82	54.42	74.00	-19.58
5460.000	Average	39.97	0.92	40.89	54.00	-13.11
5460.000	Peak	51.81	0.92	52.73	74.00	-21.27
5465.960	Peak	53.64	0.94	54.58	68.20	-13.62
5470.000	Peak	52.15	0.95	53.11	68.20	-15.09

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5500 MHz

Temp./Humi. :22.4/70

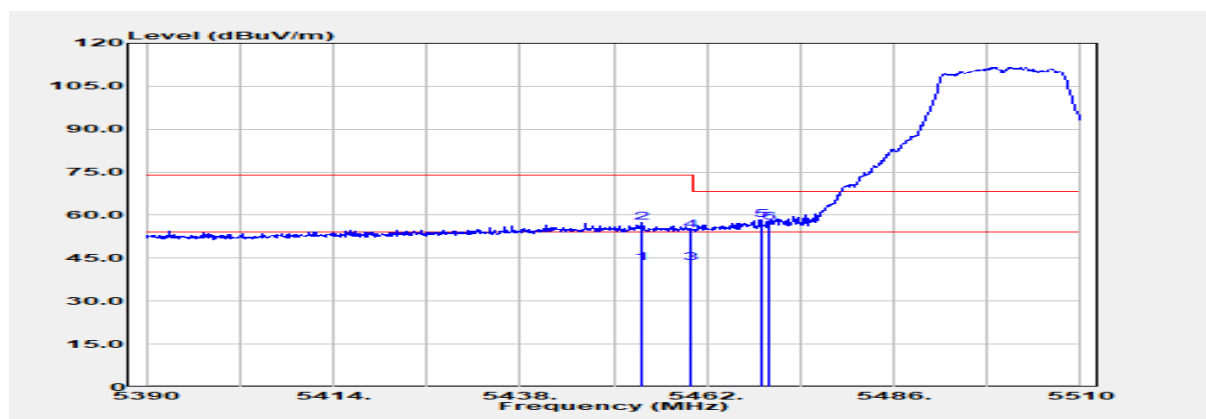
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
5453.480	Average	42.40	0.90	43.30	54.00	-10.70
5453.480	Peak	56.60	0.90	57.50	74.00	-16.50
5460.000	Average	42.38	0.92	43.30	54.00	-10.70
5460.000	Peak	53.76	0.92	54.68	74.00	-19.32
5468.960	Peak	57.45	0.95	58.40	68.20	-9.80
5470.000	Peak	56.57	0.95	57.52	68.20	-10.68

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5700 MHz

Temp./Humi. :22.4/70

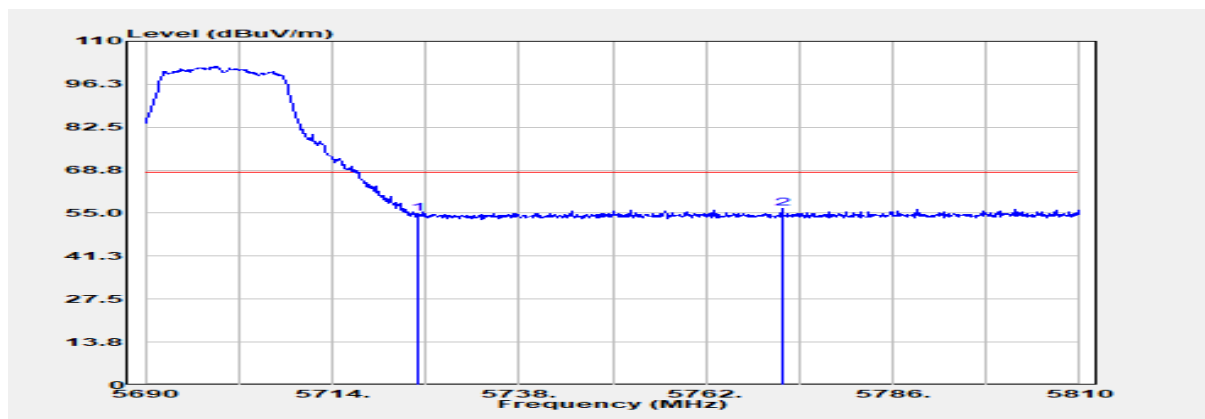
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5725.000	Peak	53.50	1.28	54.77	68.20	-13.43
5771.720	Peak	54.75	1.69	56.44	68.20	-11.76

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5700 MHz

Temp./Humi. :22.4/70

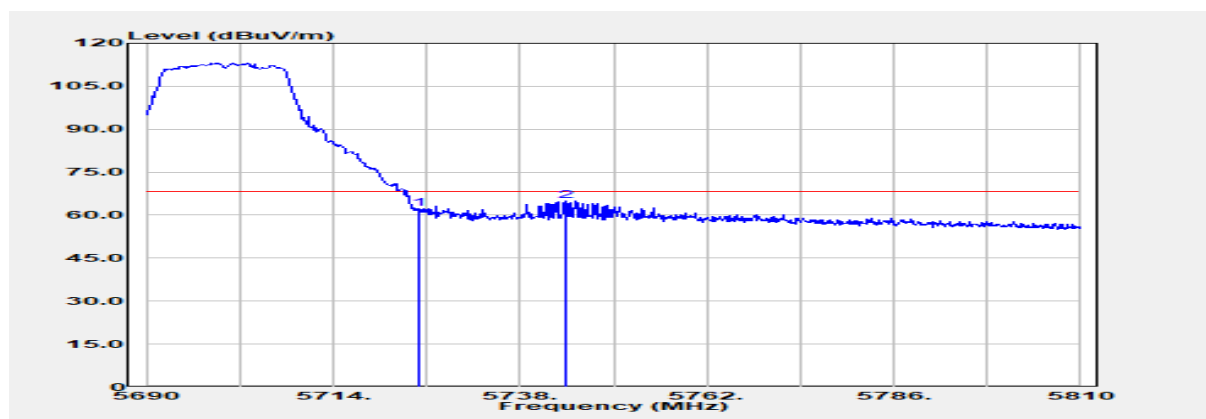
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5725.000	Peak	60.98	1.28	62.26	68.20	-5.94
5744.000	Peak	63.45	1.48	64.93	68.20	-3.27

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5720 MHz

Temp./Humi. :22.4/70

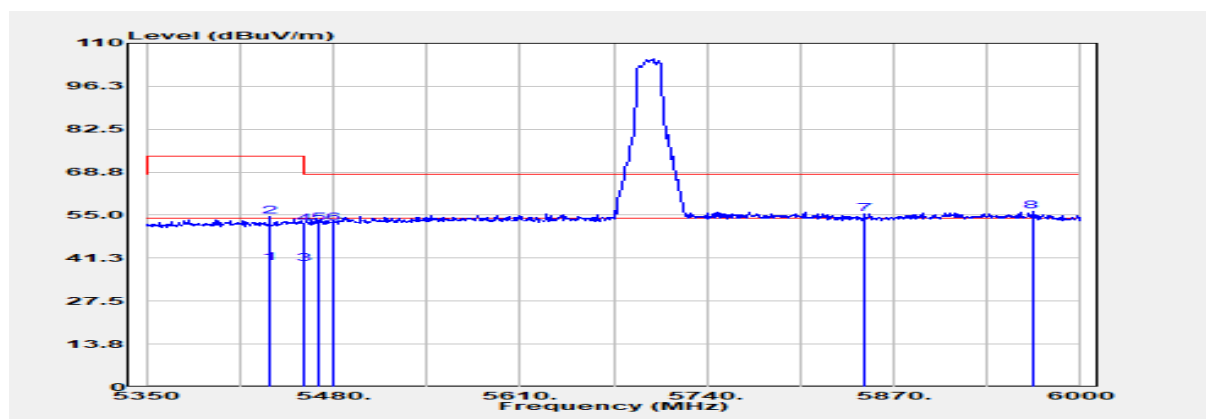
Test Mode :BE CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5435.800	Average	38.83	0.85	39.68	54.00	-14.32
5435.800	Peak	53.84	0.85	54.70	74.00	-19.30
5460.000	Average	38.63	0.92	39.55	54.00	-14.45
5460.000	Peak	51.18	0.92	52.10	74.00	-21.90
5470.000	Peak	51.46	0.95	52.42	68.20	-15.78
5480.000	Peak	51.30	0.99	52.29	68.20	-15.91
5850.000	Peak	53.92	1.51	55.43	68.20	-12.77
5966.200	Peak	54.02	2.25	56.27	68.20	-11.93

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5720 MHz

Temp./Humi. :22.4/70

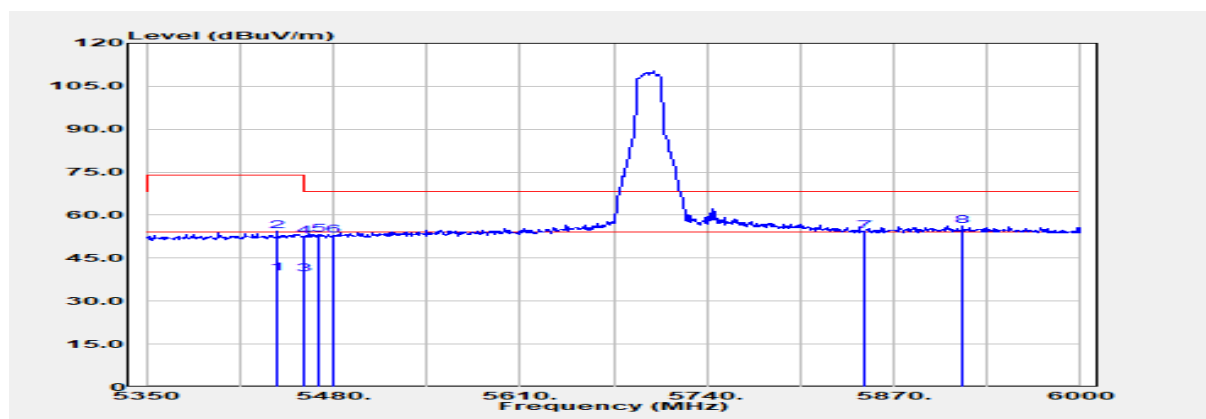
Test Mode :BE CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5441.000	Average	38.76	0.86	39.62	54.00	-14.38
5441.000	Peak	53.43	0.86	54.29	74.00	-19.71
5460.000	Average	38.63	0.92	39.55	54.00	-14.45
5460.000	Peak	51.67	0.92	52.59	74.00	-21.41
5470.000	Peak	52.16	0.95	53.11	68.20	-15.09
5480.000	Peak	51.84	0.99	52.83	68.20	-15.37
5850.000	Peak	52.95	1.51	54.46	68.20	-13.74
5918.100	Peak	54.04	2.25	56.29	68.20	-11.91

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5745 MHz

Temp./Humi. :22.4/70

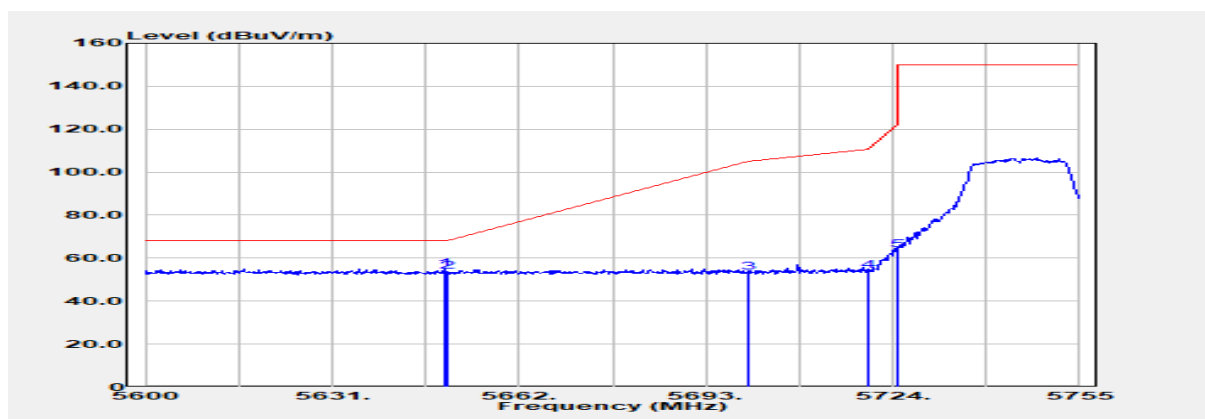
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5649.755	Peak	54.09	0.98	55.07	68.20	-13.13
5650.000	Peak	52.65	0.98	53.63	68.20	-14.57
5700.000	Peak	52.23	1.01	53.24	105.20	-51.96
5720.000	Peak	52.75	1.22	53.97	110.80	-56.83
5725.000	Peak	62.34	1.28	63.61	122.20	-58.59

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5745 MHz

Temp./Humi. :22.4/70

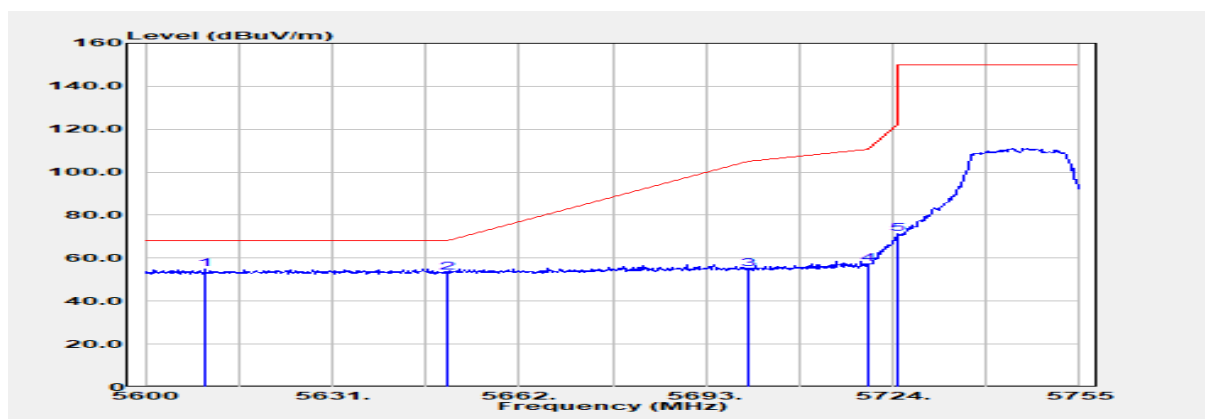
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5609.920	Peak	53.82	1.11	54.93	68.20	-13.27
5650.000	Peak	52.43	0.98	53.41	68.20	-14.79
5700.000	Peak	53.77	1.01	54.77	105.20	-50.43
5720.000	Peak	56.26	1.22	57.48	110.80	-53.32
5725.000	Peak	69.99	1.28	71.26	122.20	-50.94

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5825 MHz

Temp./Humi. :22.4/70

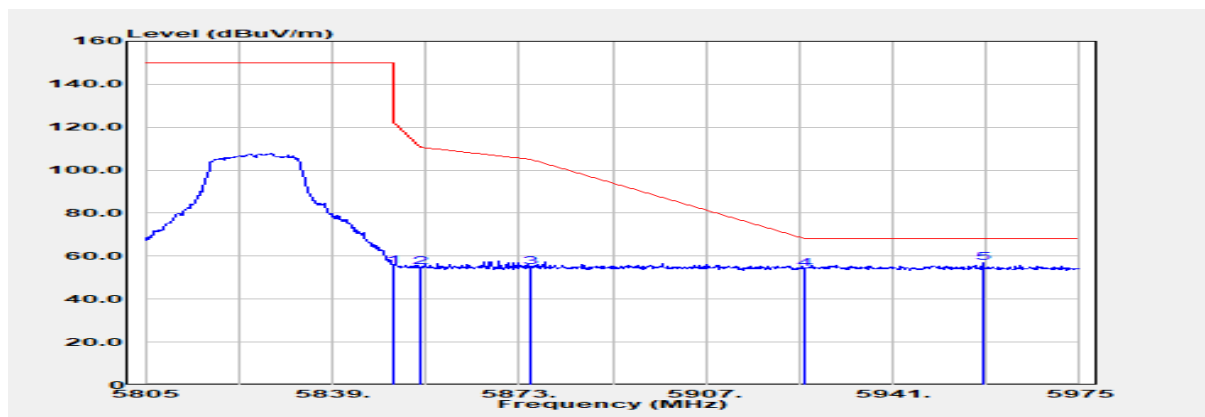
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.000	Peak	53.87	1.51	55.38	122.20	-66.82
5855.000	Peak	53.27	1.58	54.85	110.80	-55.95
5875.000	Peak	53.29	1.83	55.11	105.20	-50.09
5925.000	Peak	51.92	2.29	54.22	68.20	-13.98
5957.320	Peak	54.43	2.35	56.78	68.20	-11.42

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11a

Test Date :2022-03-16

Test Frequency :5825 MHz

Temp./Humi. :22.4/70

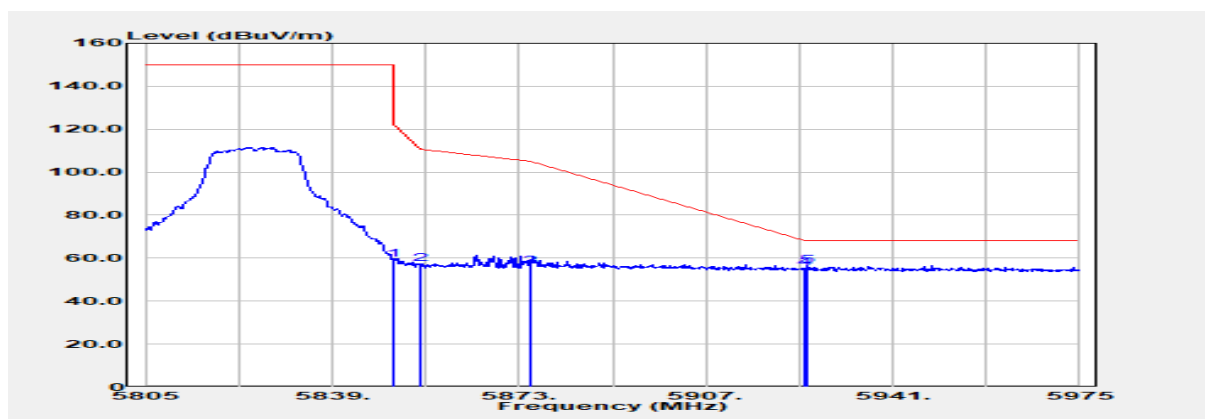
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :Chain 0



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.000	Peak	57.91	1.51	59.42	122.20	-62.78
5855.000	Peak	55.82	1.58	57.40	110.80	-53.40
5875.000	Peak	54.30	1.83	56.13	105.20	-49.07
5925.000	Peak	53.08	2.29	55.38	68.20	-12.82
5925.530	Peak	54.15	2.29	56.44	68.20	-11.76

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5180 MHz

Temp./Humi. :22.4/70

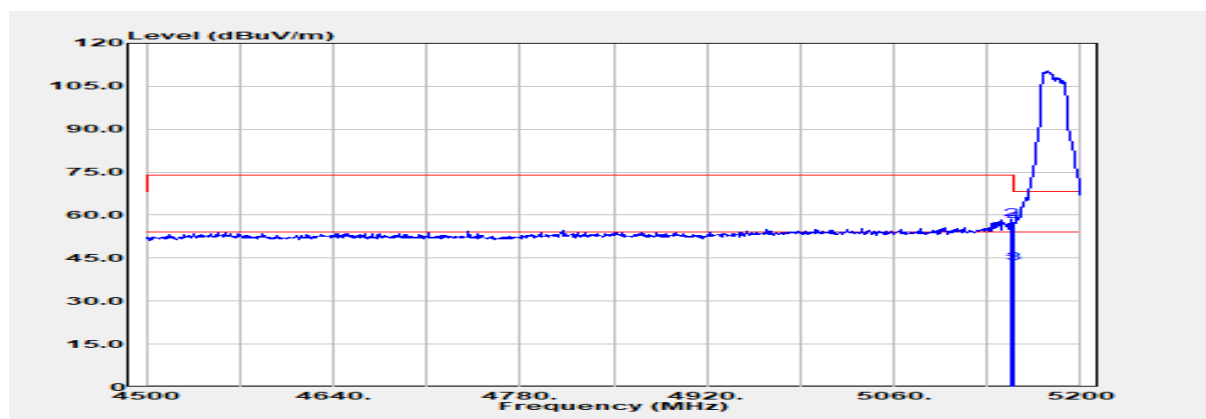
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5147.500	Average	41.68	1.20	42.88	54.00	-11.12
5147.500	Peak	57.41	1.20	58.61	74.00	-15.39
5150.000	Average	41.98	1.24	43.22	54.00	-10.78
5150.000	Peak	56.18	1.24	57.41	74.00	-16.59

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5180 MHz

Temp./Humi. :22.4/70

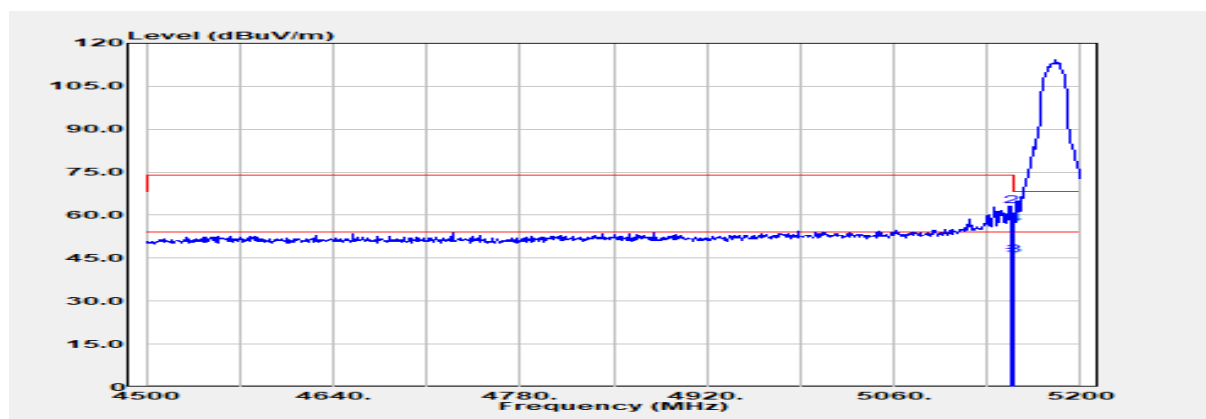
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5148.200	Average	44.32	1.21	45.53	54.00	-8.47
5148.200	Peak	62.05	1.21	63.26	74.00	-10.74
5150.000	Average	44.70	1.24	45.94	54.00	-8.06
5150.000	Peak	55.60	1.24	56.84	74.00	-17.16

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5320 MHz

Temp./Humi. :22.4/70

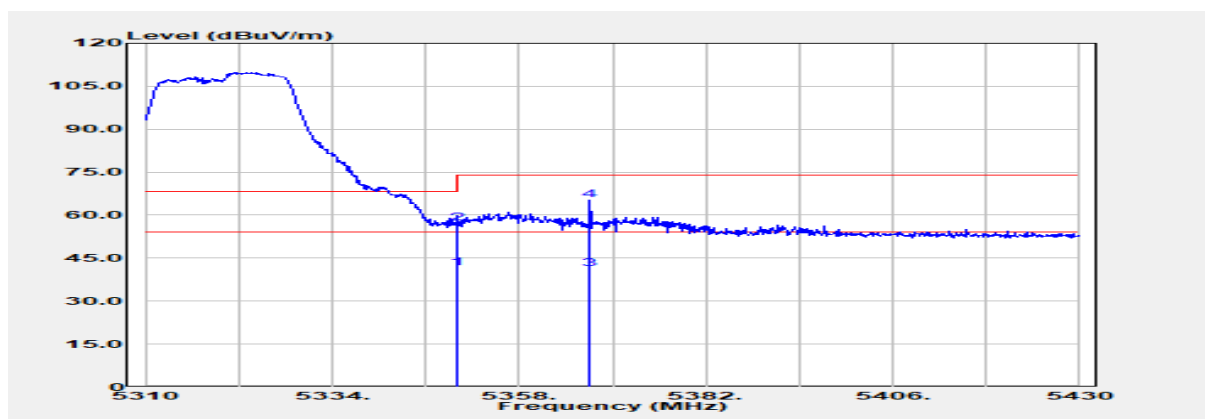
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5350.000	Average	41.23	0.38	41.61	54.00	-12.39
5350.000	Peak	56.64	0.38	57.01	74.00	-16.99
5367.120	Average	40.81	0.51	41.32	54.00	-12.68
5367.120	Peak	64.76	0.51	65.27	74.00	-8.73

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5320 MHz

Temp./Humi. :22.4/70

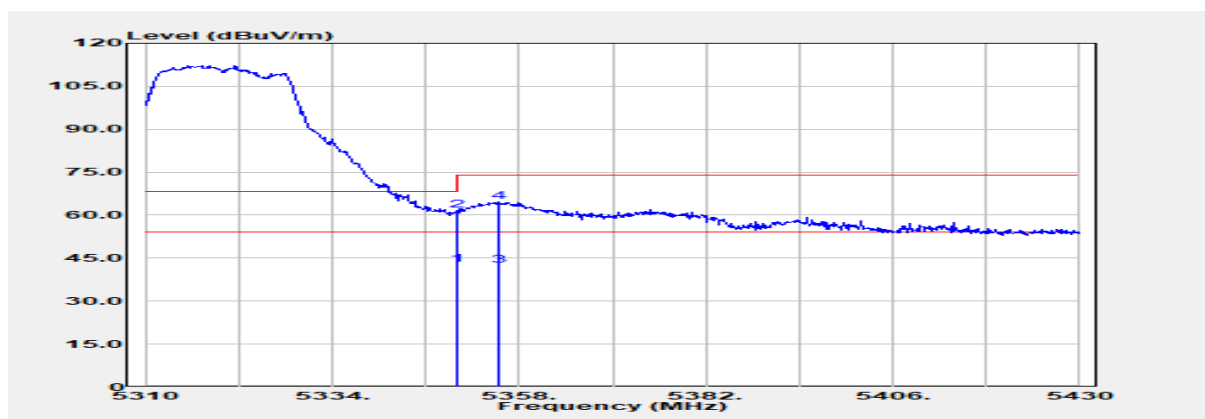
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	42.26	0.38	42.63	54.00	-11.37
5350.000	Peak	61.27	0.38	61.65	74.00	-12.35
5355.480	Average	41.98	0.42	42.40	54.00	-11.60
5355.480	Peak	64.16	0.42	64.57	74.00	-9.43

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5500 MHz

Temp./Humi. :22.4/70

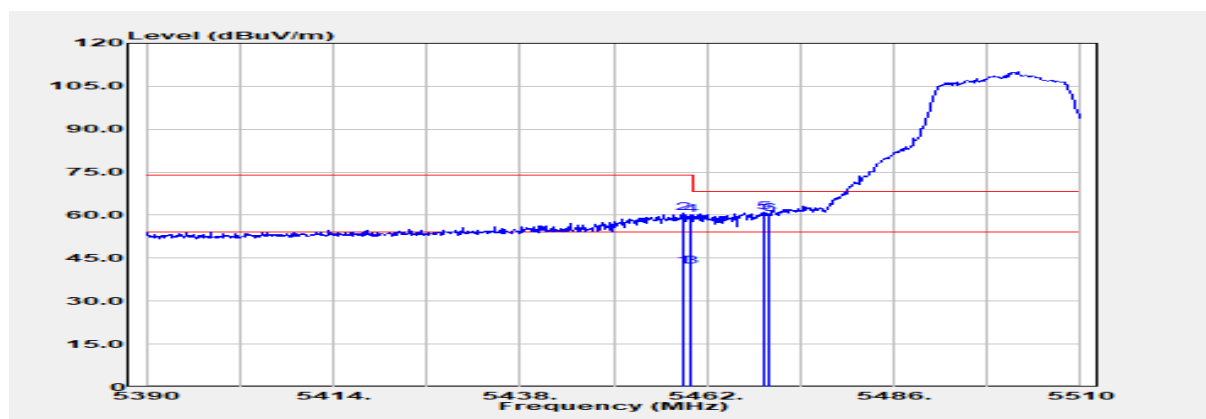
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5459.000	Average	41.31	0.92	42.22	54.00	-11.78
5459.000	Peak	59.72	0.92	60.63	74.00	-13.37
5460.000	Average	41.23	0.92	42.15	54.00	-11.85
5460.000	Peak	59.23	0.92	60.15	74.00	-13.85
5469.200	Peak	60.04	0.95	60.99	68.20	-7.21
5470.000	Peak	59.57	0.95	60.52	68.20	-7.68

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5500 MHz

Temp./Humi. :22.4/70

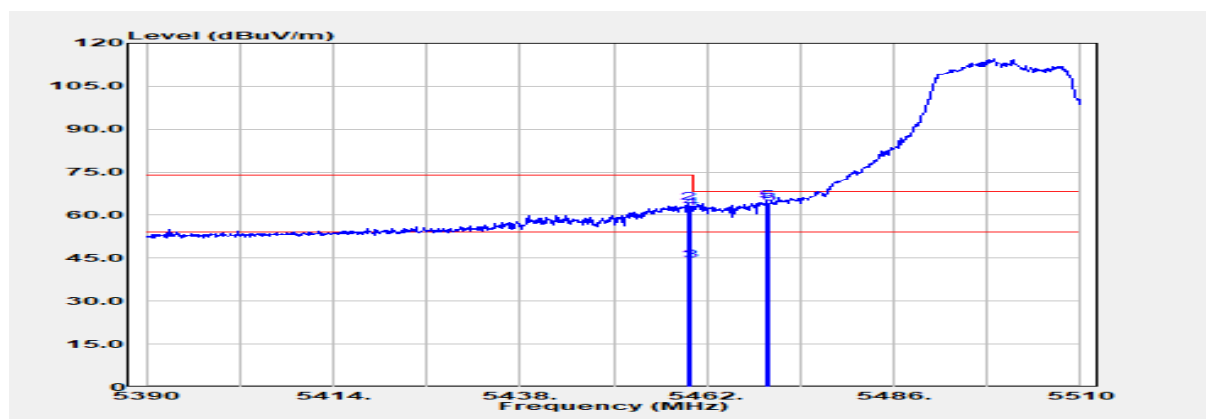
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5459.720	Average	43.34	0.92	44.26	54.00	-9.74
5459.720	Peak	63.30	0.92	64.22	74.00	-9.78
5460.000	Average	43.37	0.92	44.29	54.00	-9.71
5460.000	Peak	61.55	0.92	62.47	74.00	-11.53
5469.680	Peak	64.06	0.95	65.02	68.20	-3.18
5470.000	Peak	63.04	0.95	63.99	68.20	-4.21

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5700 MHz

Temp./Humi. :22.4/70

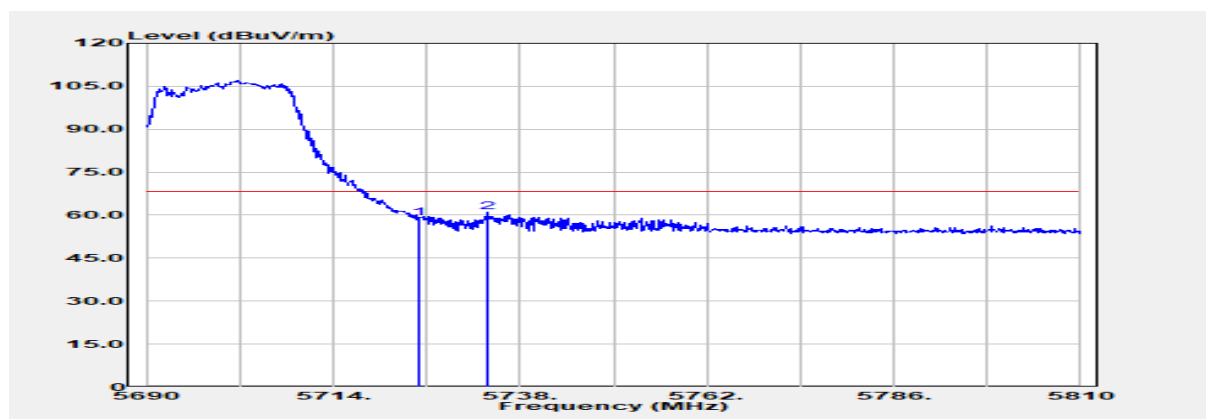
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	57.52	1.28	58.80	68.20	-9.40
5733.920	Peak	59.71	1.37	61.08	68.20	-7.12

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5700 MHz

Temp./Humi. :22.4/70

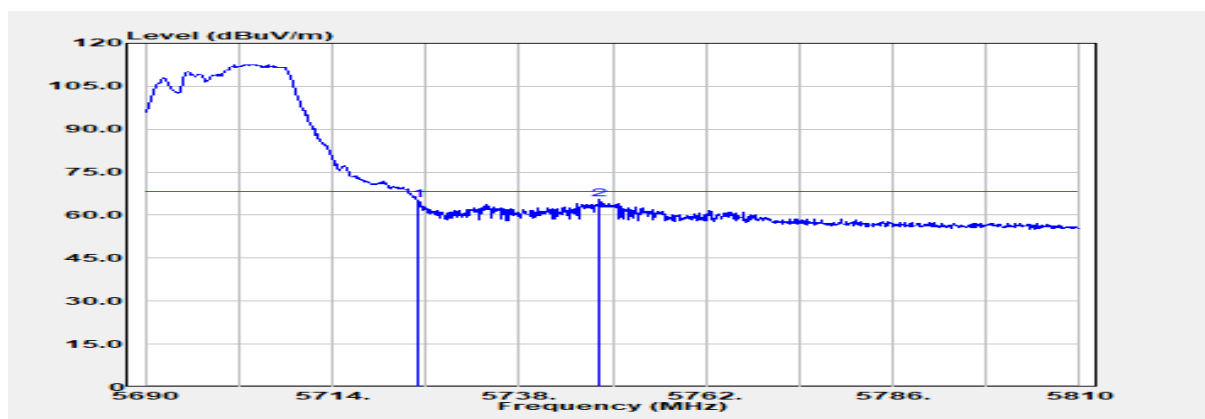
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	63.89	1.28	65.17	68.20	-3.03
5748.320	Peak	64.01	1.52	65.54	68.20	-2.66

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5720 MHz

Temp./Humi. :22.4/70

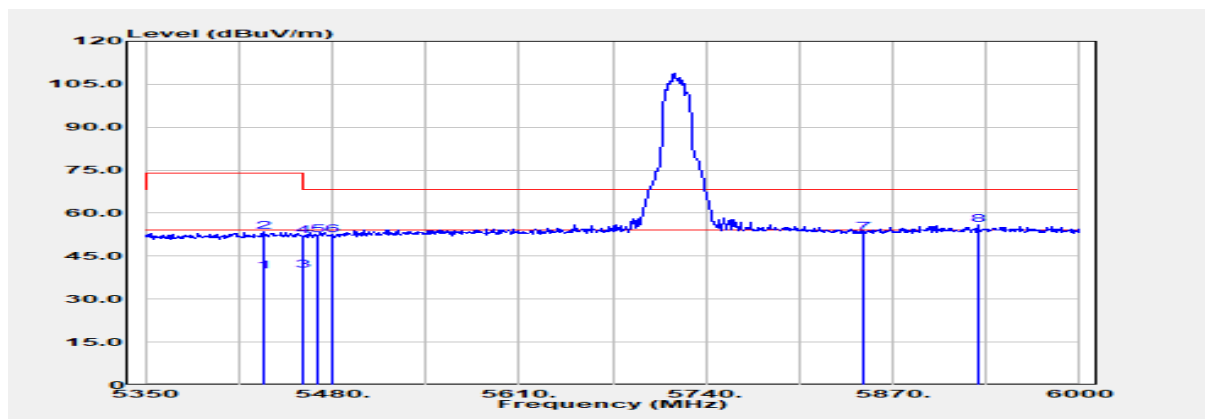
Test Mode :BE CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5433.200	Average	38.81	0.85	39.66	54.00	-14.34
5433.200	Peak	52.67	0.85	53.51	74.00	-20.49
5460.000	Average	39.02	0.92	39.94	54.00	-14.06
5460.000	Peak	51.04	0.92	51.96	74.00	-22.04
5470.000	Peak	51.46	0.95	52.42	68.20	-15.78
5480.000	Peak	51.35	0.99	52.34	68.20	-15.86
5850.000	Peak	51.75	1.51	53.27	68.20	-14.93
5929.150	Peak	53.54	2.32	55.86	68.20	-12.34

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5720 MHz

Temp./Humi. :22.4/70

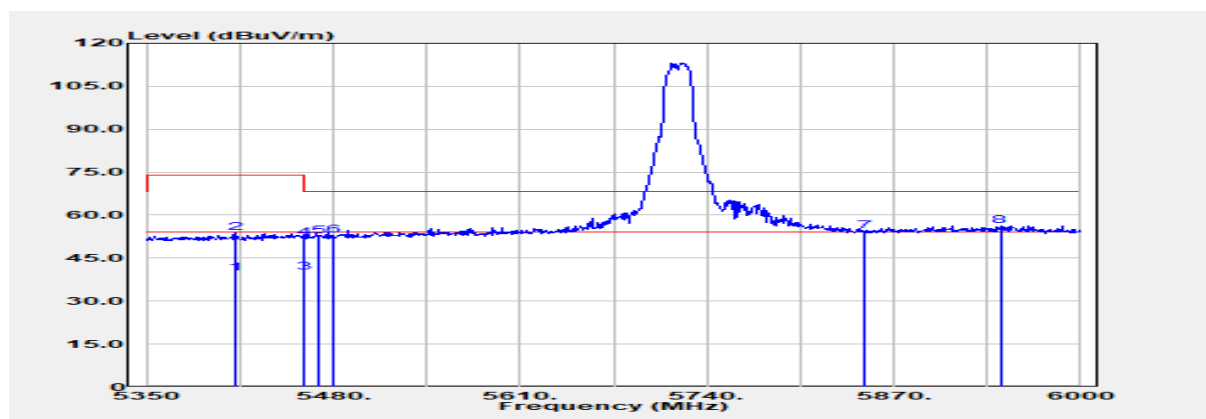
Test Mode :BE CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5412.400	Average	38.87	0.80	39.67	54.00	-14.33
5412.400	Peak	52.94	0.80	53.74	74.00	-20.26
5460.000	Average	39.03	0.92	39.95	54.00	-14.05
5460.000	Peak	51.08	0.92	52.00	74.00	-22.00
5470.000	Peak	51.56	0.95	52.51	68.20	-15.69
5480.000	Peak	51.88	0.99	52.86	68.20	-15.34
5850.000	Peak	53.00	1.51	54.52	68.20	-13.68
5944.100	Peak	53.94	2.40	56.34	68.20	-11.86

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5745 MHz

Temp./Humi. :22.4/70

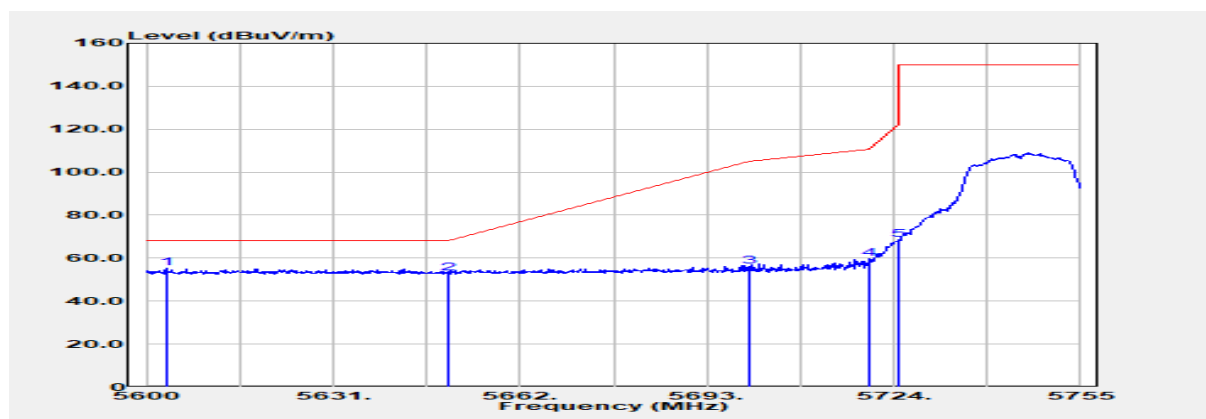
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5603.255	Peak	54.34	1.14	55.47	68.20	-12.73
5650.000	Peak	51.81	0.98	52.79	68.20	-15.41
5700.000	Peak	55.01	1.01	56.02	105.20	-49.18
5720.000	Peak	58.70	1.22	59.92	110.80	-50.88
5725.000	Peak	67.25	1.28	68.53	122.20	-53.67

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5745 MHz

Temp./Humi. :22.4/70

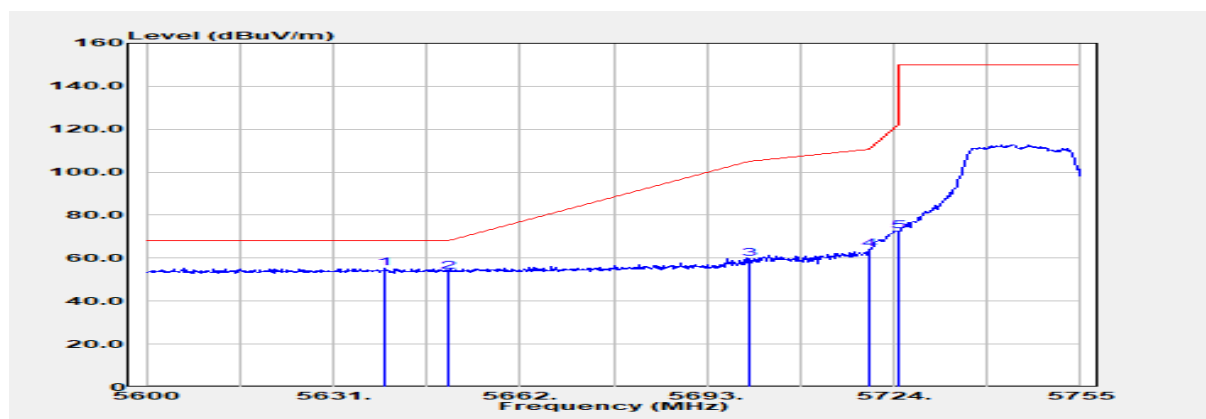
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5639.525	Peak	54.25	1.01	55.26	68.20	-12.94
5650.000	Peak	52.81	0.98	53.78	68.20	-14.42
5700.000	Peak	58.79	1.01	59.79	105.20	-45.41
5720.000	Peak	63.02	1.22	64.24	110.80	-46.56
5725.000	Peak	71.29	1.28	72.56	122.20	-49.64

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5825 MHz

Temp./Humi. :22.4/70

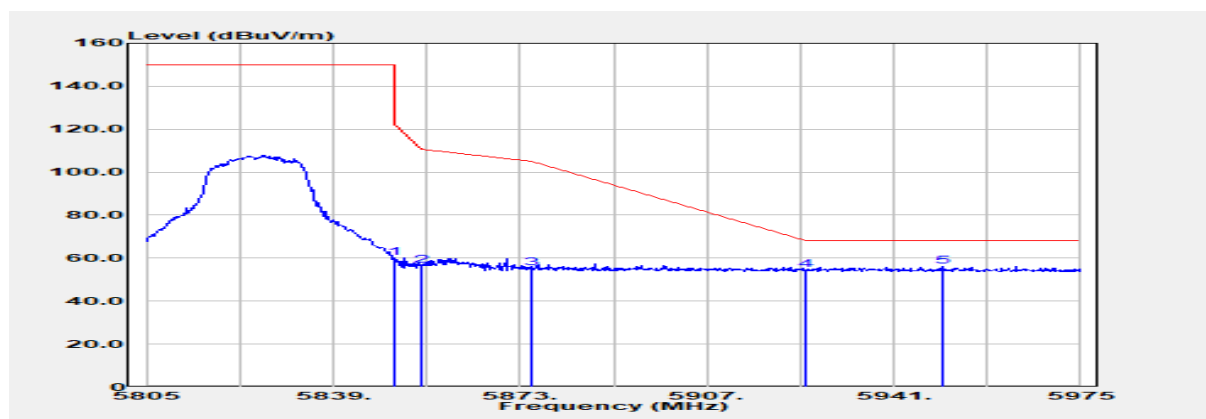
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.000	Peak	58.51	1.51	60.02	122.20	-62.18
5855.000	Peak	54.95	1.58	56.53	110.80	-54.27
5875.000	Peak	53.69	1.83	55.52	105.20	-49.68
5925.000	Peak	52.12	2.29	54.41	68.20	-13.79
5949.840	Peak	53.67	2.44	56.11	68.20	-12.09

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n20

Test Date :2022-03-16

Test Frequency :5825 MHz

Temp./Humi. :22.4/70

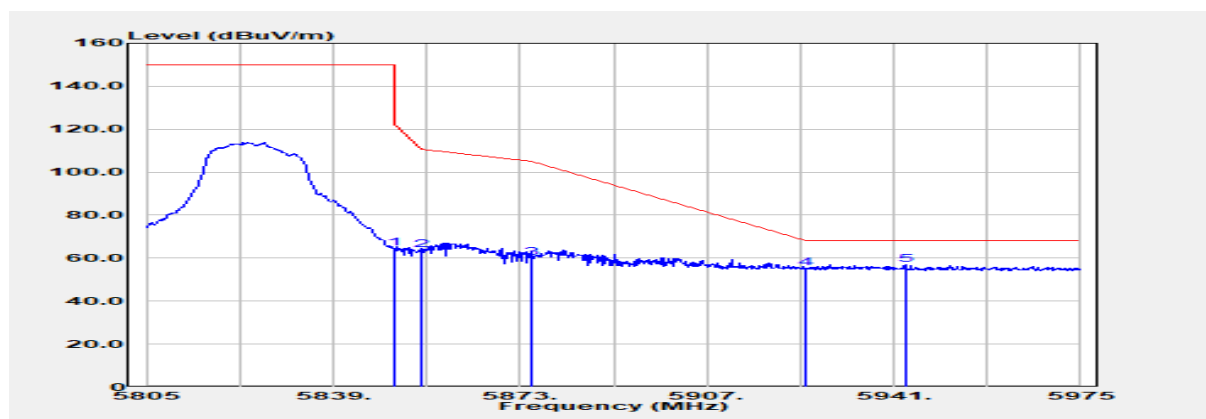
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	63.01	1.51	64.53	122.20	-57.67
5855.000	Peak	62.34	1.58	63.92	110.80	-46.88
5875.000	Peak	58.17	1.83	60.00	105.20	-45.20
5925.000	Peak	53.13	2.29	55.42	68.20	-12.78
5943.040	Peak	54.55	2.40	56.95	68.20	-11.25

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5190 MHz

Temp./Humi. :22.4/70

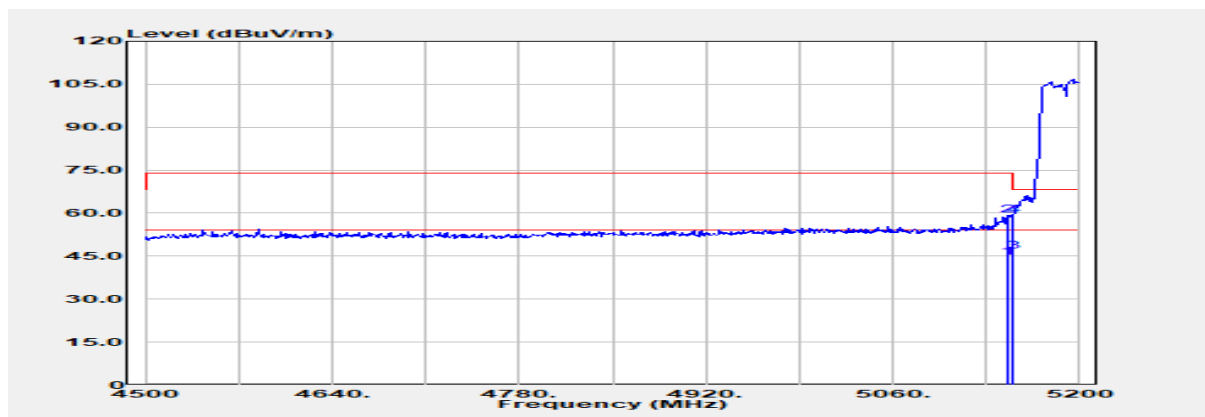
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5145.400	Average	43.39	1.17	44.56	54.00	-9.44
5145.400	Peak	58.16	1.17	59.33	74.00	-14.67
5150.000	Average	45.42	1.24	46.66	54.00	-7.34
5150.000	Peak	58.04	1.24	59.28	74.00	-14.72

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5190 MHz

Temp./Humi. :22.4/70

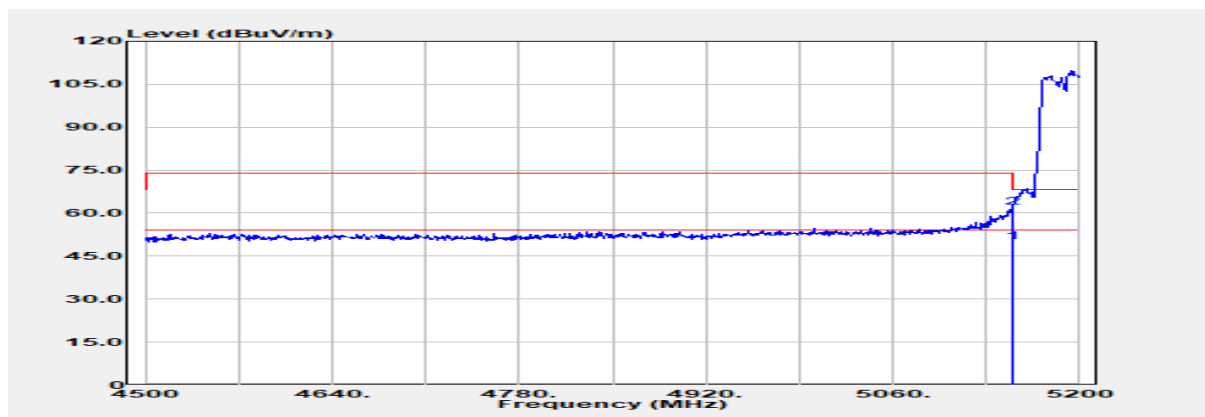
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5150.000	Average	48.68	1.24	49.92	54.00	-4.08
5150.000	Peak	60.79	1.24	62.03	74.00	-11.97

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5310 MHz

Temp./Humi. :22.4/70

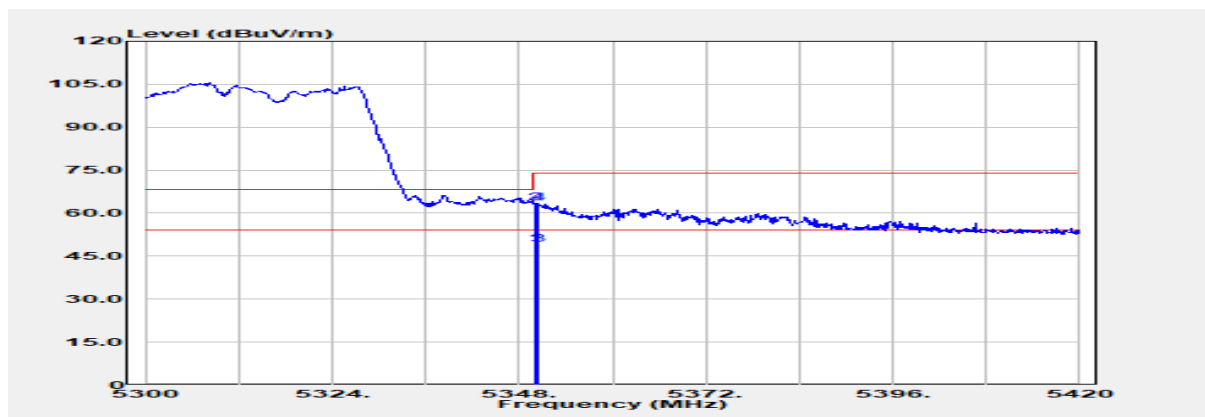
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5350.000	Average	48.53	0.38	48.91	54.00	-5.09
5350.000	Peak	63.07	0.38	63.44	74.00	-10.56
5350.400	Average	48.61	0.38	48.99	54.00	-5.01
5350.400	Peak	63.15	0.38	63.53	74.00	-10.47

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5310 MHz

Temp./Humi. :22.4/70

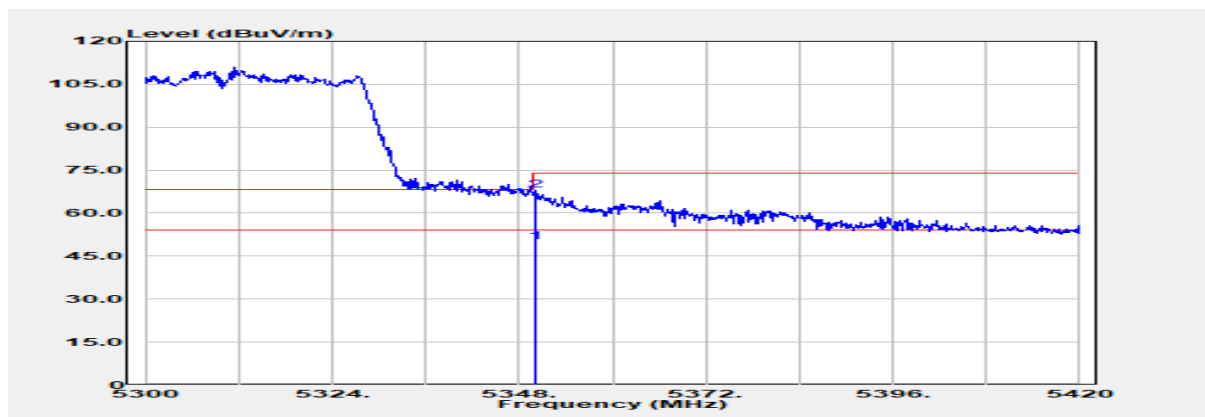
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5350.000	Average	49.52	0.38	49.90	54.00	-4.10
5350.000	Peak	67.50	0.38	67.87	74.00	-6.13

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5510 MHz

Temp./Humi. :22.4/70

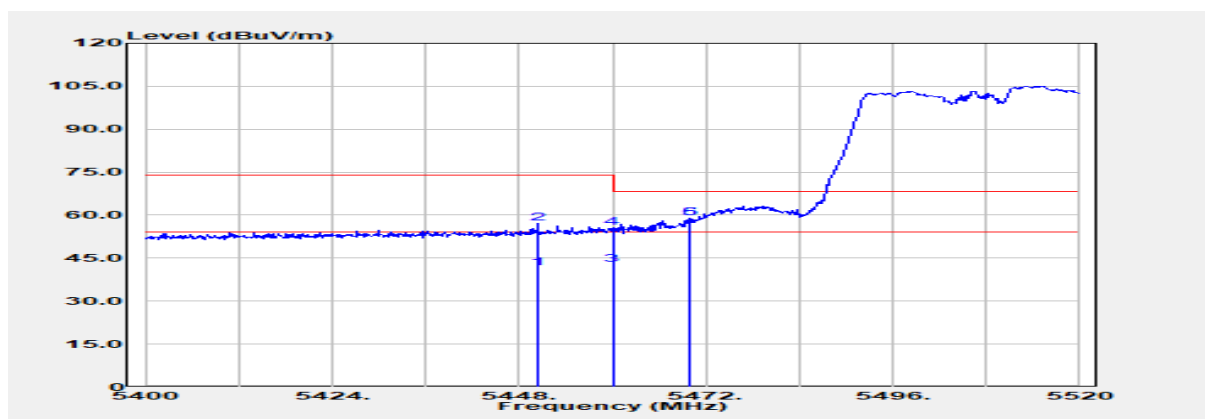
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5450.400	Average	40.63	0.89	41.52	54.00	-12.48
5450.400	Peak	56.30	0.89	57.19	74.00	-16.81
5460.000	Average	41.91	0.92	42.83	54.00	-11.17
5460.000	Peak	54.82	0.92	55.74	74.00	-18.26
5469.960	Peak	58.11	0.95	59.07	68.20	-9.13
5470.000	Peak	58.11	0.95	59.07	68.20	-9.13

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5510 MHz

Temp./Humi. :22.4/70

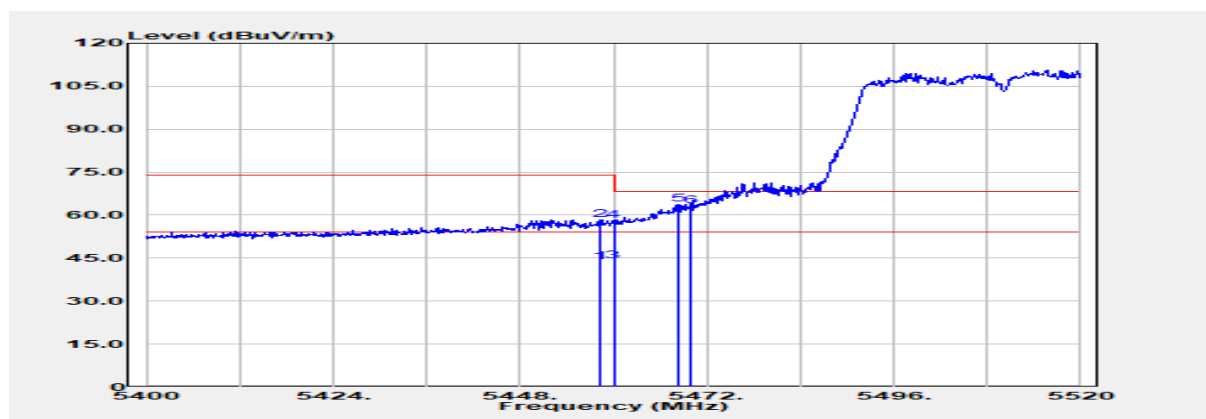
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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
5458.320	Average	42.76	0.91	43.68	54.00	-10.32
5458.320	Peak	57.55	0.91	58.47	74.00	-15.53
5460.000	Average	42.92	0.92	43.84	54.00	-10.16
5460.000	Peak	57.15	0.92	58.07	74.00	-15.93
5468.280	Peak	62.96	0.95	63.91	68.20	-4.29
5470.000	Peak	62.24	0.95	63.19	68.20	-5.01

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5670 MHz

Temp./Humi. :22.4/70

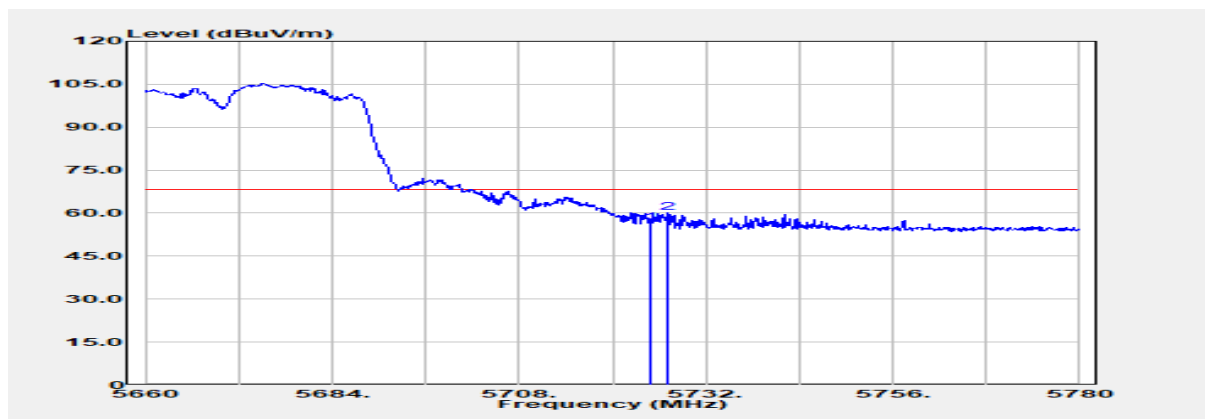
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	55.15	1.28	56.43	68.20	-11.77
5727.080	Peak	58.93	1.30	60.23	68.20	-7.97

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5670 MHz

Temp./Humi. :22.4/70

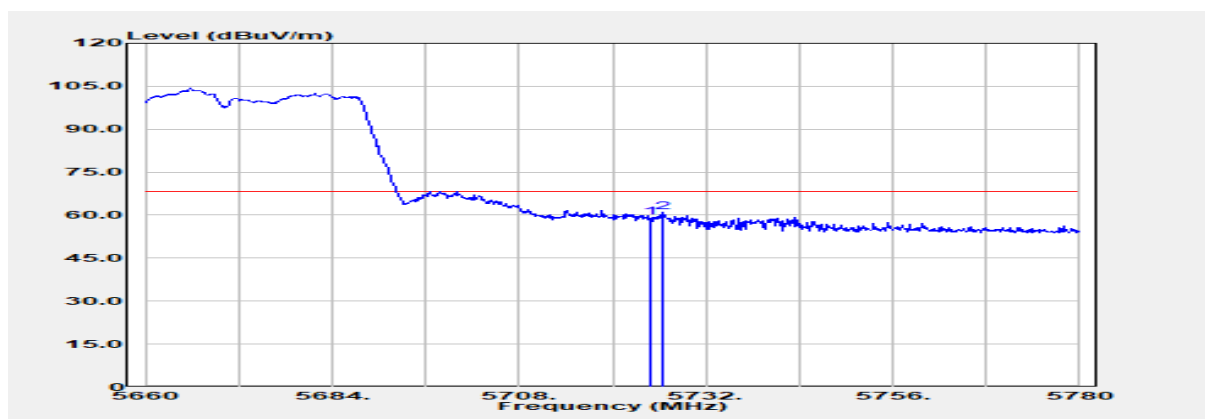
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5725.000	Peak	57.98	1.28	59.25	68.20	-8.95
5726.360	Peak	59.86	1.29	61.15	68.20	-7.05

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5710 MHz

Temp./Humi. :22.4/70

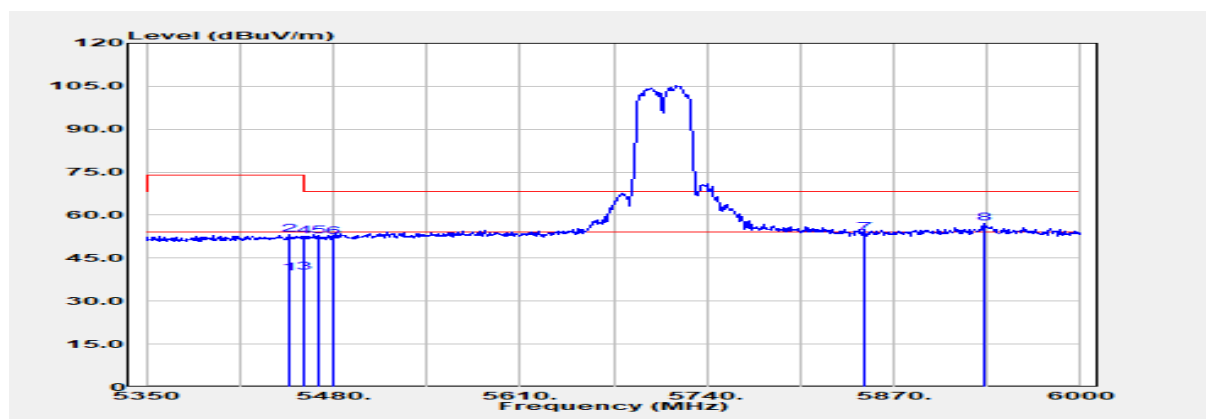
Test Mode :BE CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5450.100	Average	38.90	0.89	39.79	54.00	-14.21
5450.100	Peak	52.25	0.89	53.14	74.00	-20.86
5460.000	Average	38.98	0.92	39.90	54.00	-14.10
5460.000	Peak	51.60	0.92	52.52	74.00	-21.48
5470.000	Peak	51.74	0.95	52.70	68.20	-15.50
5480.000	Peak	51.48	0.99	52.47	68.20	-15.73
5850.000	Peak	52.46	1.51	53.97	68.20	-14.23
5932.400	Peak	54.79	2.33	57.12	68.20	-11.08

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5710 MHz

Temp./Humi. :22.4/70

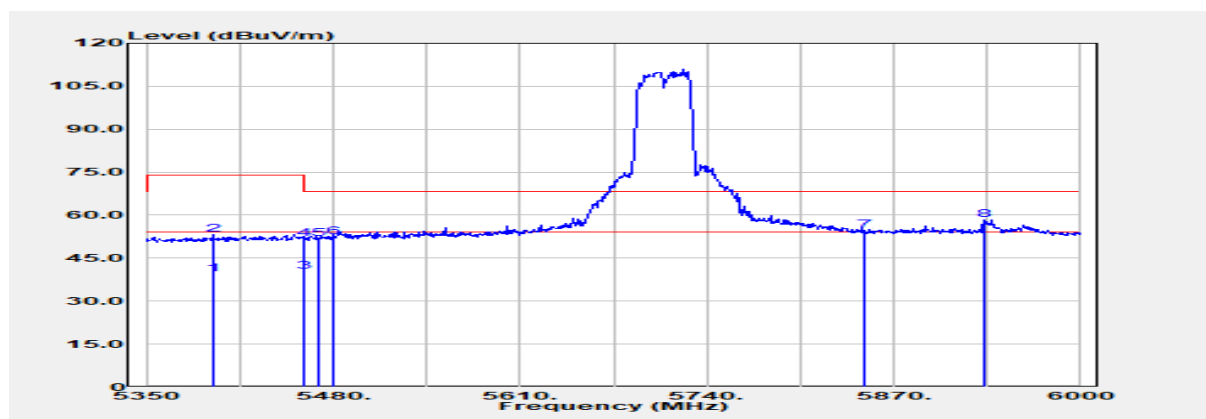
Test Mode :BE CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5396.150	Average	38.66	0.74	39.40	54.00	-14.60
5396.150	Peak	52.42	0.74	53.16	74.00	-20.84
5460.000	Average	39.38	0.92	40.29	54.00	-13.71
5460.000	Peak	50.81	0.92	51.73	74.00	-22.27
5470.000	Peak	50.81	0.95	51.76	68.20	-16.44
5480.000	Peak	51.26	0.99	52.25	68.20	-15.95
5850.000	Peak	53.31	1.51	54.82	68.20	-13.38
5933.700	Peak	56.05	2.34	58.39	68.20	-9.81

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5755 MHz

Temp./Humi. :22.4/70

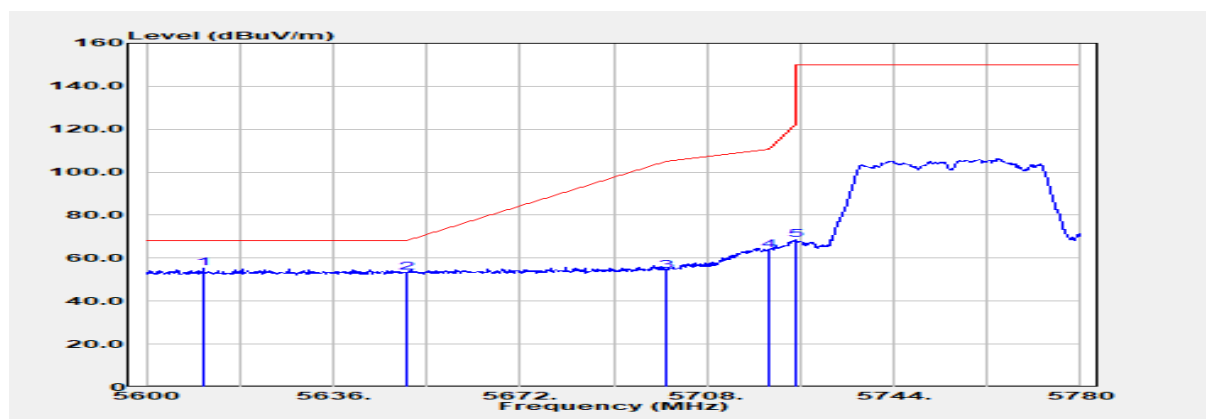
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5610.980	Peak	54.15	1.11	55.26	68.20	-12.94
5650.000	Peak	52.47	0.98	53.44	68.20	-14.76
5700.000	Peak	52.94	1.01	53.95	105.20	-51.25
5720.000	Peak	62.39	1.22	63.62	110.80	-47.18
5725.000	Peak	67.19	1.28	68.46	122.20	-53.74

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5755 MHz

Temp./Humi. :22.4/70

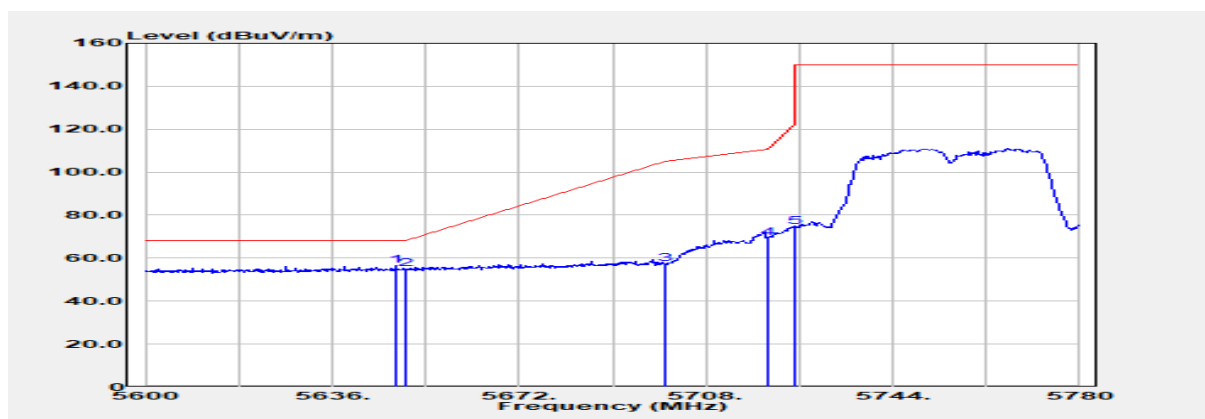
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5648.240	Peak	55.44	0.98	56.42	68.20	-11.78
5650.000	Peak	54.10	0.98	55.07	68.20	-13.13
5700.000	Peak	56.18	1.01	57.19	105.20	-48.01
5720.000	Peak	68.10	1.22	69.32	110.80	-41.48
5725.000	Peak	73.23	1.28	74.51	122.20	-47.69

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5795 MHz

Temp./Humi. :22.4/70

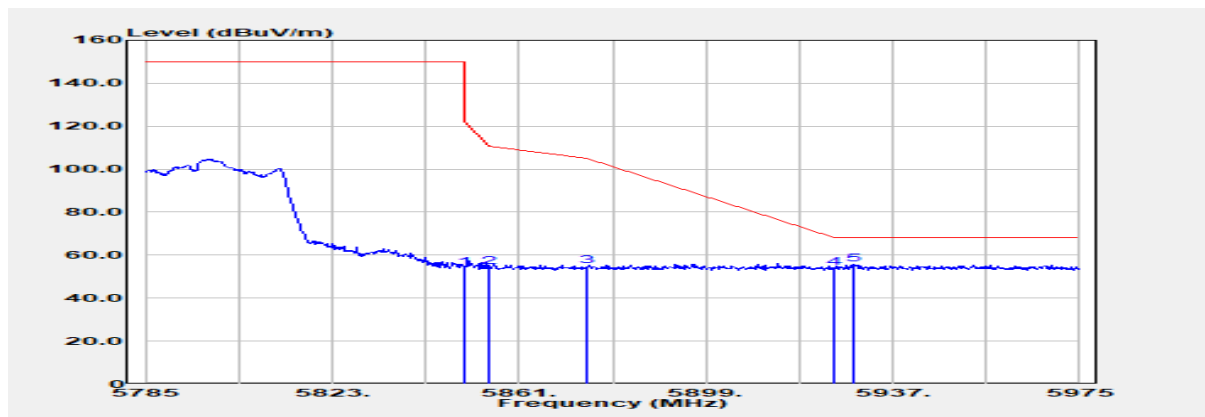
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.000	Peak	52.52	1.51	54.04	122.20	-68.16
5855.000	Peak	52.97	1.58	54.55	110.80	-56.25
5875.000	Peak	53.31	1.83	55.14	105.20	-50.06
5925.000	Peak	51.66	2.29	53.95	68.20	-14.25
5929.210	Peak	53.30	2.32	55.62	68.20	-12.58

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11n40

Test Date :2022-03-16

Test Frequency :5795 MHz

Temp./Humi. :22.4/70

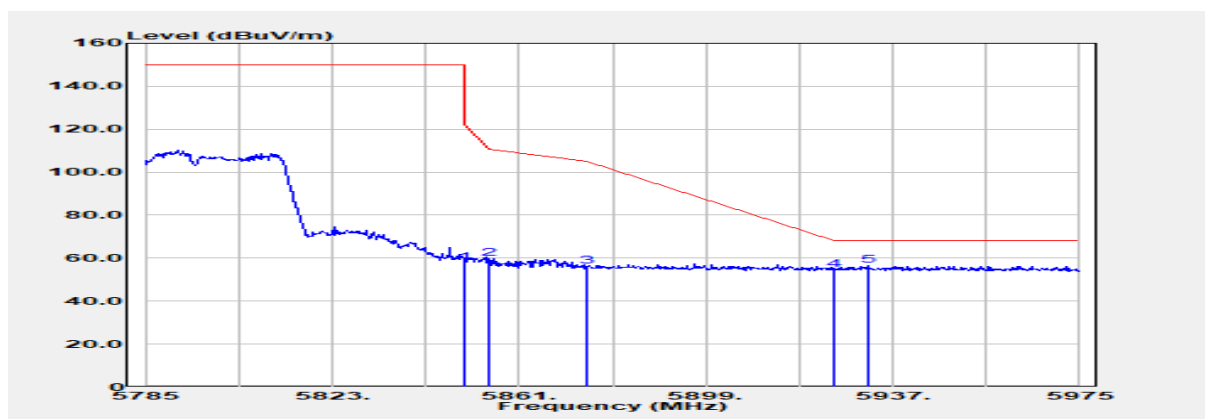
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	56.33	1.51	57.84	122.20	-64.36
5855.000	Peak	58.06	1.58	59.64	110.80	-51.16
5875.000	Peak	54.32	1.83	56.15	105.20	-49.05
5925.000	Peak	52.36	2.29	54.65	68.20	-13.55
5932.060	Peak	54.10	2.33	56.43	68.20	-11.77

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5210 MHz

Temp./Humi. :22.4/70

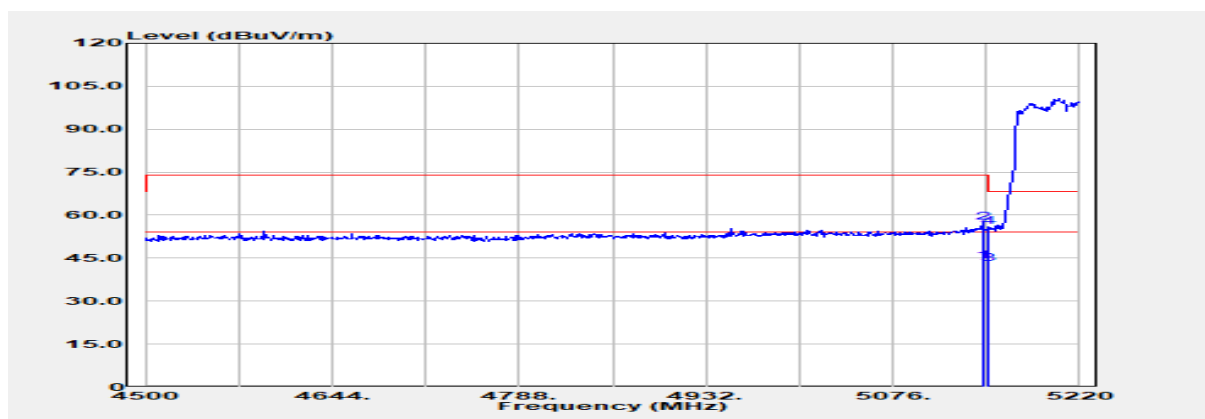
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5145.120	Average	42.79	1.17	43.96	54.00	-10.04
5145.120	Peak	56.19	1.17	57.35	74.00	-16.65
5150.000	Average	41.86	1.24	43.10	54.00	-10.90
5150.000	Peak	54.74	1.24	55.97	74.00	-18.03

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5210 MHz

Temp./Humi. :22.4/70

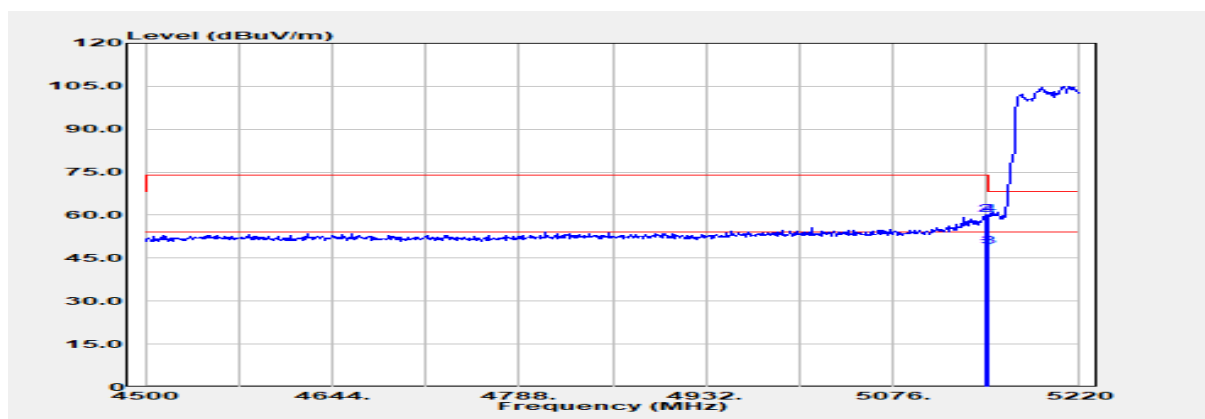
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5147.280	Average	47.22	1.20	48.41	54.00	-5.59
5147.280	Peak	58.92	1.20	60.12	74.00	-13.88
5150.000	Average	47.88	1.24	49.12	54.00	-4.88
5150.000	Peak	58.78	1.24	60.02	74.00	-13.98

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5290 MHz

Temp./Humi. :22.4/70

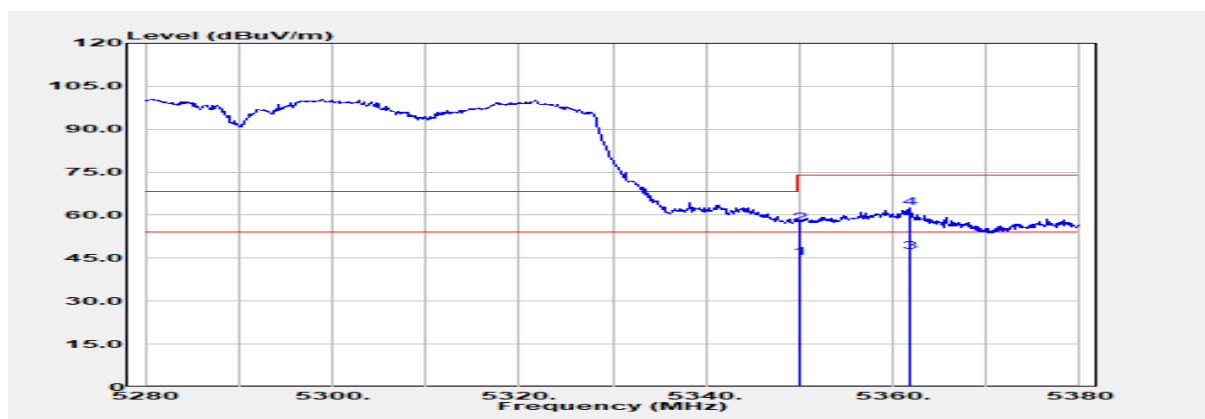
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5350.000	Average	44.72	0.38	45.09	54.00	-8.91
5350.000	Peak	56.68	0.38	57.05	74.00	-16.95
5361.900	Average	46.71	0.47	47.18	54.00	-6.82
5361.900	Peak	62.02	0.47	62.48	74.00	-11.52

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5290 MHz

Temp./Humi. :22.4/70

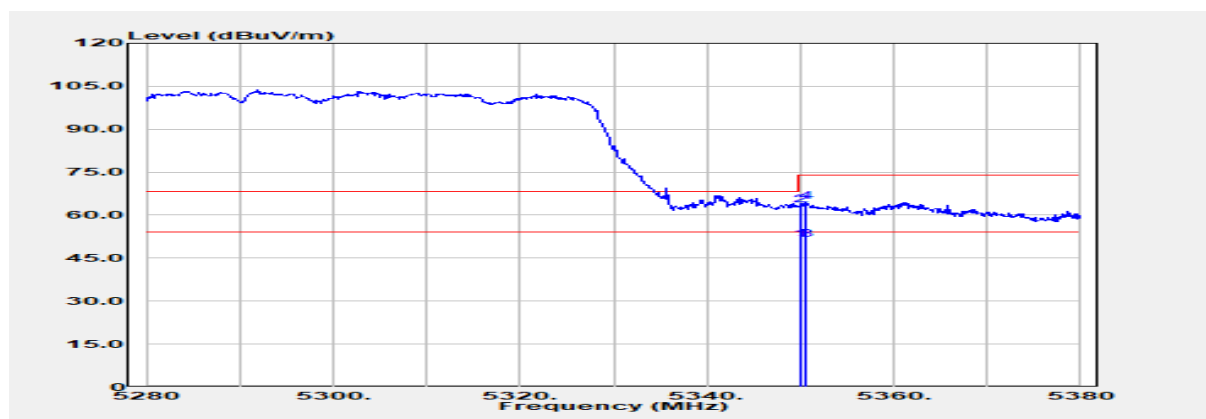
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
5350.000	Average	51.13	0.38	51.51	54.00	-2.49
5350.000	Peak	63.17	0.38	63.55	74.00	-10.45
5350.600	Average	51.16	0.38	51.54	54.00	-2.46
5350.600	Peak	64.36	0.38	64.74	74.00	-9.26

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5530 MHz

Temp./Humi. :22.4/70

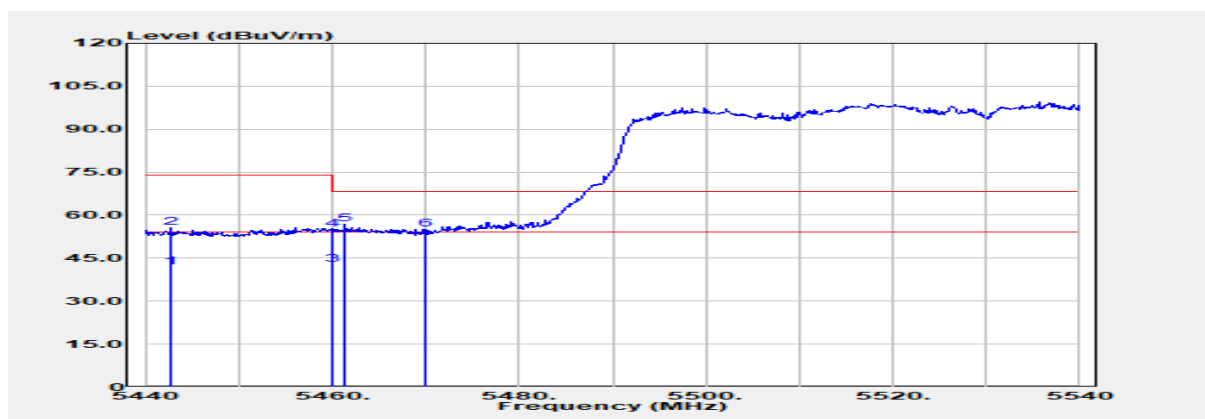
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
5442.700	Average	40.96	0.87	41.82	54.00	-12.18
5442.700	Peak	54.84	0.87	55.71	74.00	-18.29
5460.000	Average	41.76	0.92	42.68	54.00	-11.32
5460.000	Peak	54.16	0.92	55.08	74.00	-18.92
5461.400	Peak	55.96	0.92	56.89	68.20	-11.31
5470.000	Peak	54.22	0.95	55.18	68.20	-13.02

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5530 MHz

Temp./Humi. :22.4/70

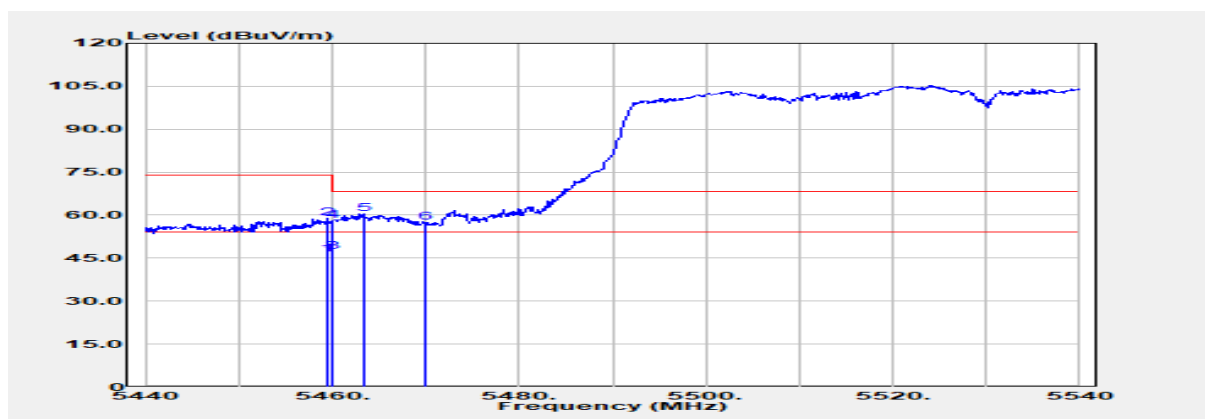
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
5459.400	Average	45.50	0.92	46.41	54.00	-7.59
5459.400	Peak	58.15	0.92	59.06	74.00	-14.94
5460.000	Average	46.26	0.92	47.18	54.00	-6.82
5460.000	Peak	57.15	0.92	58.07	74.00	-15.93
5463.400	Peak	59.46	0.93	60.39	68.20	-7.81
5470.000	Peak	56.40	0.95	57.36	68.20	-10.84

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5610 MHz

Temp./Humi. :22.4/70

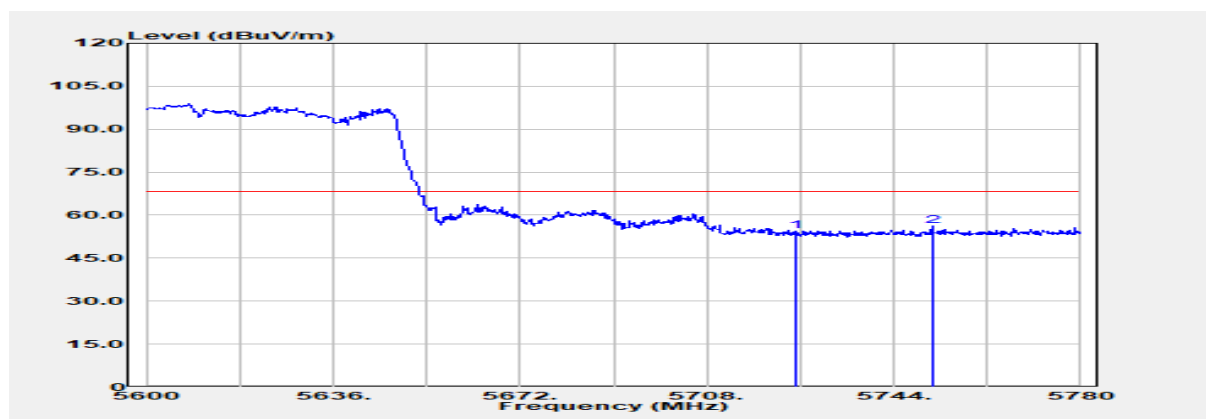
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	53.08	1.28	54.35	68.20	-13.85
5751.380	Peak	54.70	1.55	56.26	68.20	-11.94

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-16

Test Frequency :5610 MHz

Temp./Humi. :22.4/70

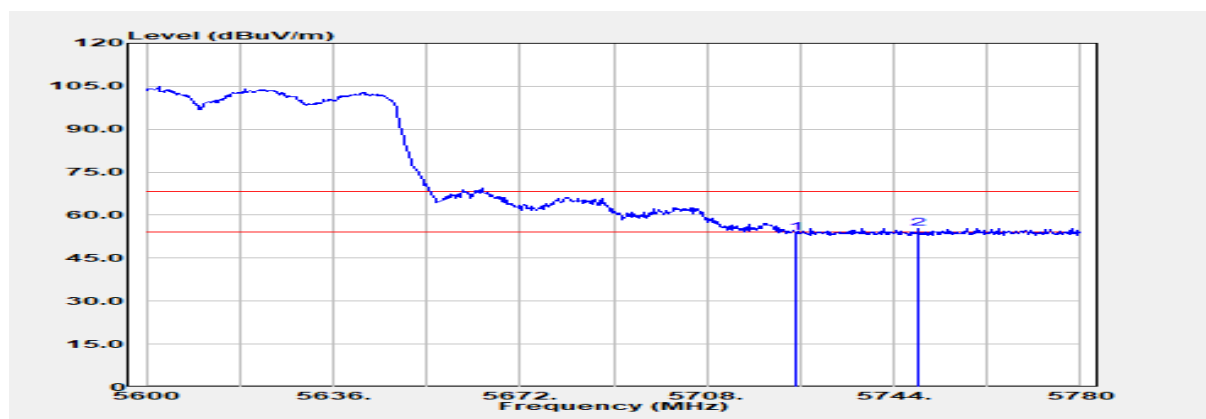
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	52.57	1.28	53.85	68.20	-14.35
5748.680	Peak	53.96	1.53	55.49	68.20	-12.71

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-17

Test Frequency :5690 MHz

Temp./Humi. :22.4/70

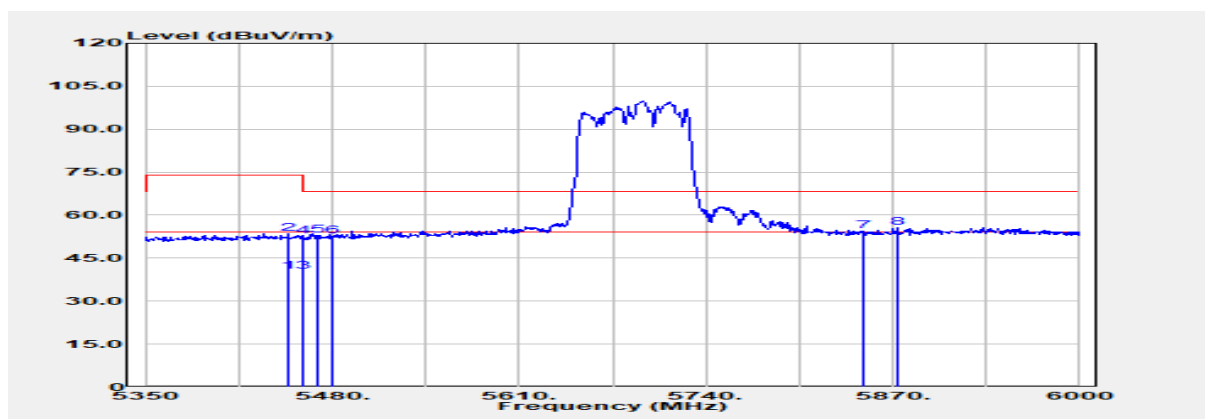
Test Mode :BE CH MID

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5449.450	Average	39.40	0.88	40.28	54.00	-13.72
5449.450	Peak	52.58	0.88	53.47	74.00	-20.53
5460.000	Average	39.38	0.92	40.30	54.00	-13.70
5460.000	Peak	51.68	0.92	52.60	74.00	-21.40
5470.000	Peak	51.94	0.95	52.90	68.20	-15.30
5480.000	Peak	51.76	0.99	52.75	68.20	-15.45
5850.000	Peak	53.00	1.51	54.52	68.20	-13.68
5872.600	Peak	53.89	1.80	55.69	68.20	-12.51

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-17

Test Frequency :5690 MHz

Temp./Humi. :22.4/70

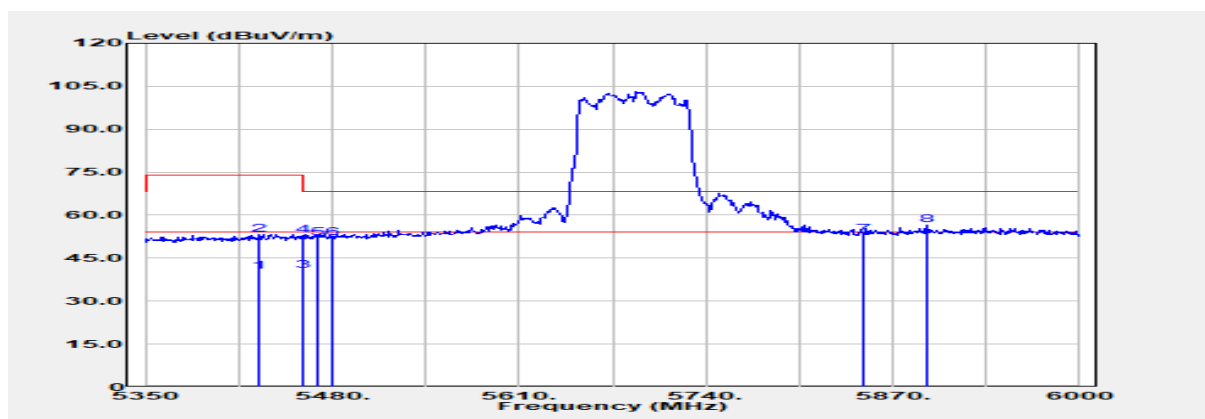
Test Mode :BE CH MID

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5429.300	Average	39.51	0.84	40.34	54.00	-13.66
5429.300	Peak	52.42	0.84	53.26	74.00	-20.74
5460.000	Average	39.53	0.92	40.45	54.00	-13.55
5460.000	Peak	52.02	0.92	52.94	74.00	-21.06
5470.000	Peak	50.97	0.95	51.93	68.20	-16.27
5480.000	Peak	50.98	0.99	51.97	68.20	-16.23
5850.000	Peak	51.71	1.51	53.23	68.20	-14.97
5893.400	Peak	54.49	2.06	56.55	68.20	-11.65

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-17

Test Frequency :5775 MHz

Temp./Humi. :22.4/70

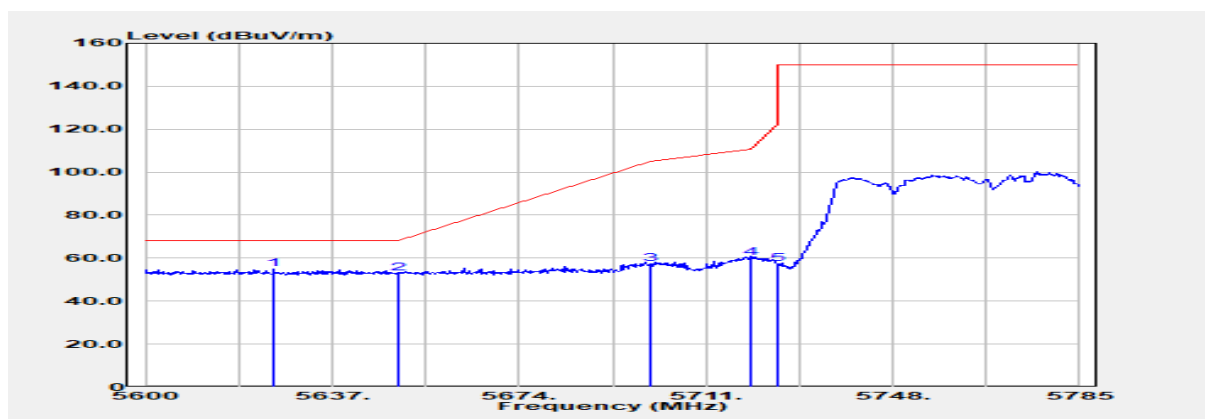
Test Mode :BE CH LOW

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5625.345	Peak	53.90	1.06	54.96	68.20	-13.24
5650.000	Peak	51.82	0.98	52.80	68.20	-15.40
5700.000	Peak	56.35	1.01	57.36	105.20	-47.84
5720.000	Peak	58.82	1.22	60.04	110.80	-50.76
5725.000	Peak	56.18	1.28	57.45	122.20	-64.75

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-17

Test Frequency :5775 MHz

Temp./Humi. :22.4/70

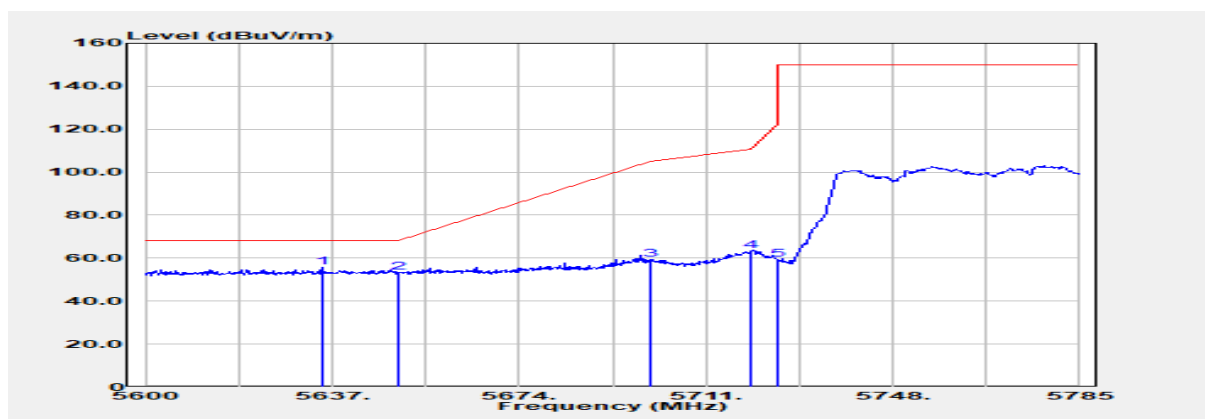
Test Mode :BE CH LOW

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
5634.965	Peak	54.59	1.03	55.61	68.20	-12.59
5650.000	Peak	52.41	0.98	53.38	68.20	-14.82
5700.000	Peak	58.50	1.01	59.50	105.20	-45.70
5720.000	Peak	62.11	1.22	63.33	110.80	-47.47
5725.000	Peak	58.12	1.28	59.40	122.20	-62.80

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-17

Test Frequency :5775 MHz

Temp./Humi. :22.4/70

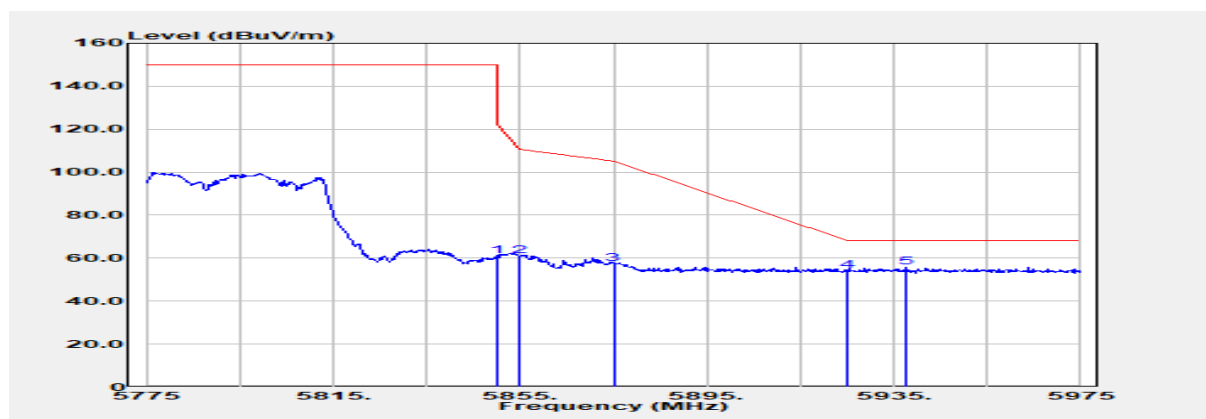
Test Mode :BE CH HIGH

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



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	59.58	1.51	61.09	122.20	-61.11
5855.000	Peak	59.24	1.58	60.82	110.80	-49.98
5875.000	Peak	55.45	1.83	57.28	105.20	-47.92
5925.000	Peak	51.72	2.29	54.01	68.20	-14.19
5937.800	Peak	53.25	2.37	55.62	68.20	-12.58

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Report Number :E2/2022/20117

Test Site :SAC D

Operation Mode :802.11ac80

Test Date :2022-03-17

Test Frequency :5775 MHz

Temp./Humi. :22.4/70

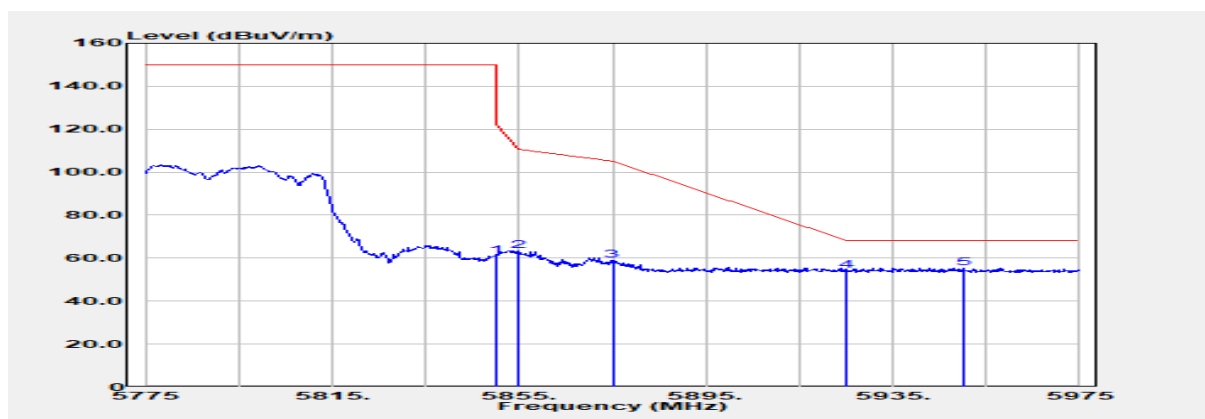
Test Mode :BE CH HIGH

Antenna Pol. :Horizontal

EUT Pol :E2 Plane

Engineer :Jack Tseng

Ant :MIMO



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
5850.000	Peak	59.29	1.51	60.81	122.20	-61.39
5855.000	Peak	61.75	1.58	63.33	110.80	-47.47
5875.000	Peak	57.10	1.83	58.93	105.20	-46.27
5925.000	Peak	51.87	2.29	54.16	68.20	-14.04
5950.000	Peak	53.01	2.44	55.44	68.20	-12.76

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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 as permanently attached and no consideration of replacement. Please see EUT photo for details.

~ End of Report ~

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