

802.11n_40MHz_Chain1_5710MHz_UNII 2C



802.11n_40MHz_Chain1_5795MHz



802.11n_40MHz_Chain1_5710MHz_UNII 3



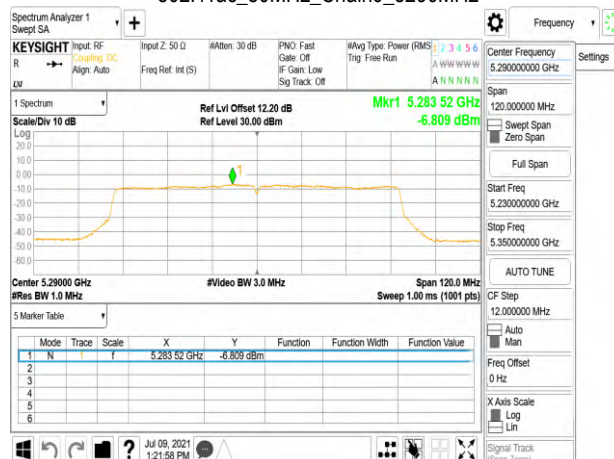
802.11ac_80MHz_Chain0_5210MHz



802.11n_40MHz_Chain1_5755MHz



802.11ac_80MHz_Chain0_5290MHz



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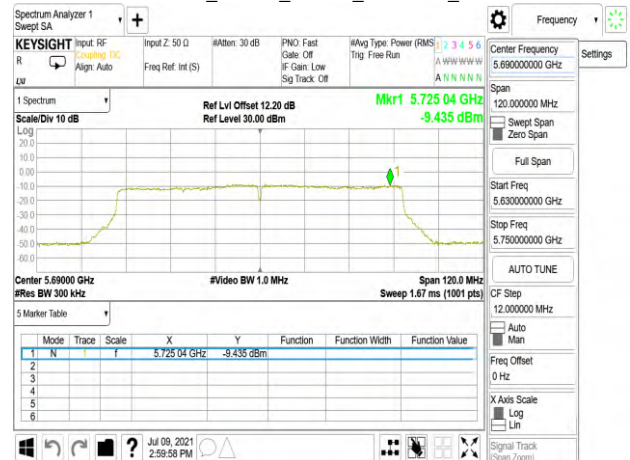
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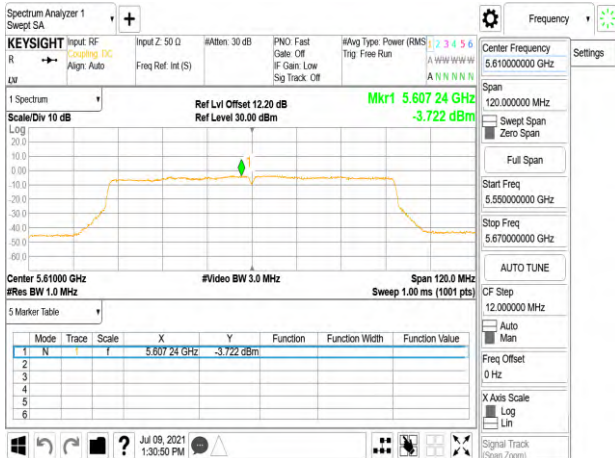
802.11ac_80MHz_Chain0_5530MHz



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

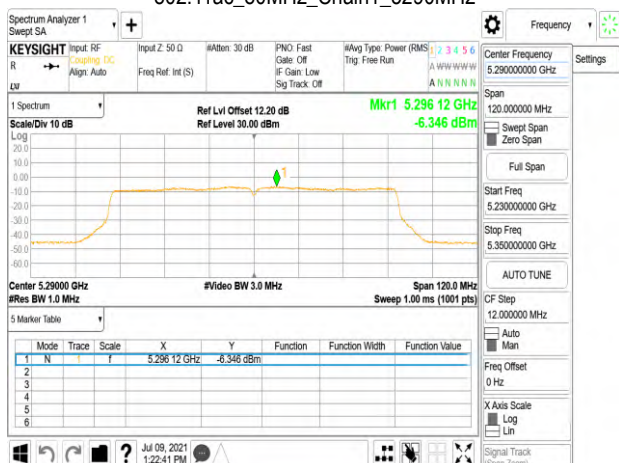


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802.11ac_80MHz_Chain1_5290MHz



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

11.1.1 Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2	PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/m)
15.407(b)(2) RSS-247 §6.2.2.2		
15.407(b)(3) RSS-247 §6.2.3.2		
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2 (dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4
*1 beyond 75 MHz or more above of the bandedge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.		

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

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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:

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

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11.2 Measurement Equipment Used

Radiated Emission Test Site: SAC C					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/08/2020	09/07/2021
Horn Antenna	Schwarzbeck	BBHA9170	185	07/30/2020	07/29/2021
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/11/2021	01/10/2022
Loop Antenna	ETS.LIND-GREN	6502	143303	05/07/2021	05/06/2022
EMI Test Receiver	R&S	ESU 40	100363	04/28/2021	04/27/2022
Pre-Amplifier	EMC Instruments	EMC330	980096	11/19/2020	11/18/2021
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/19/2020	11/18/2021
Pre-Amplifier	EMC Instruments	EMC184045B	980135	10/27/2020	10/26/2021
Attenuator	Marvelous	WATT-218FS-10	RF20	11/19/2020	11/18/2021
Band Rejection Filter	Micro-Tronics	G015	RF198	11/19/2020	11/18/2021
Band Rejection Filter	Micro-Tronics	G016	RF199	11/19/2020	11/18/2021
Band Rejection Filter	Micro-Tronics	G021	RF200	11/19/2020	11/18/2021
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/19/2020	11/18/2021
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/19/2020	11/18/2021
Test Software	audix	e3	20923 sgs Ver.9	N.C.R	N.C.R

NOTE: N.C.R refers to Not Calibrated Required.

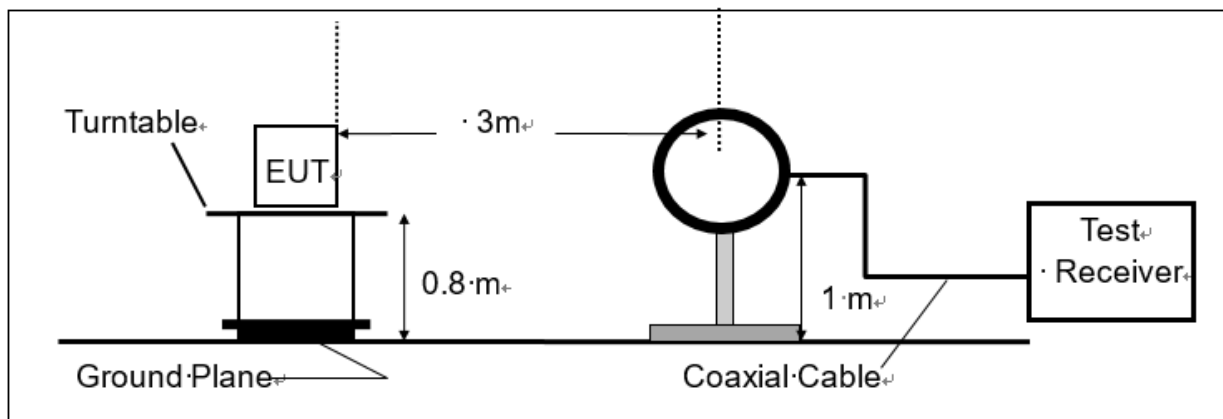
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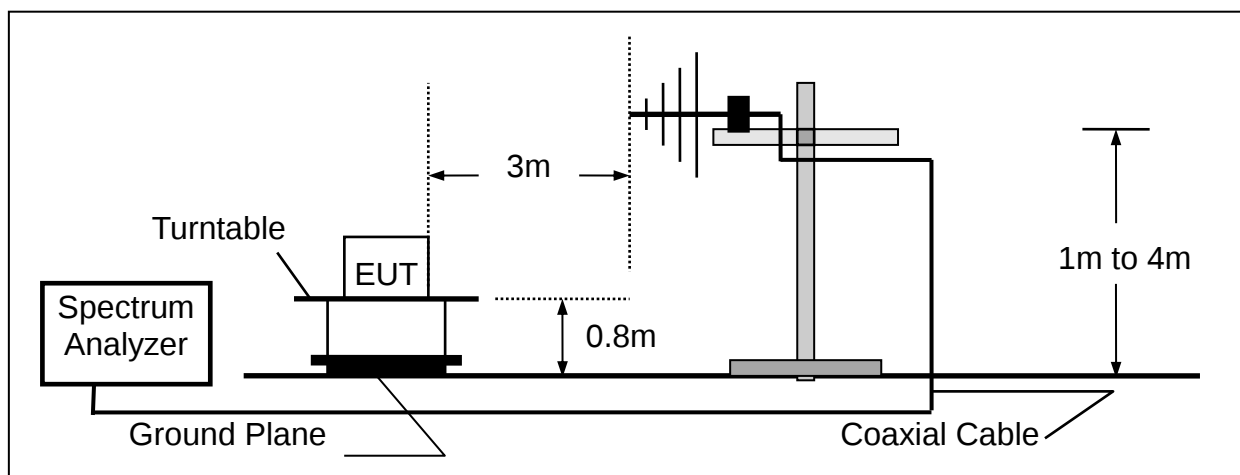
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11.3 Test SET-UP

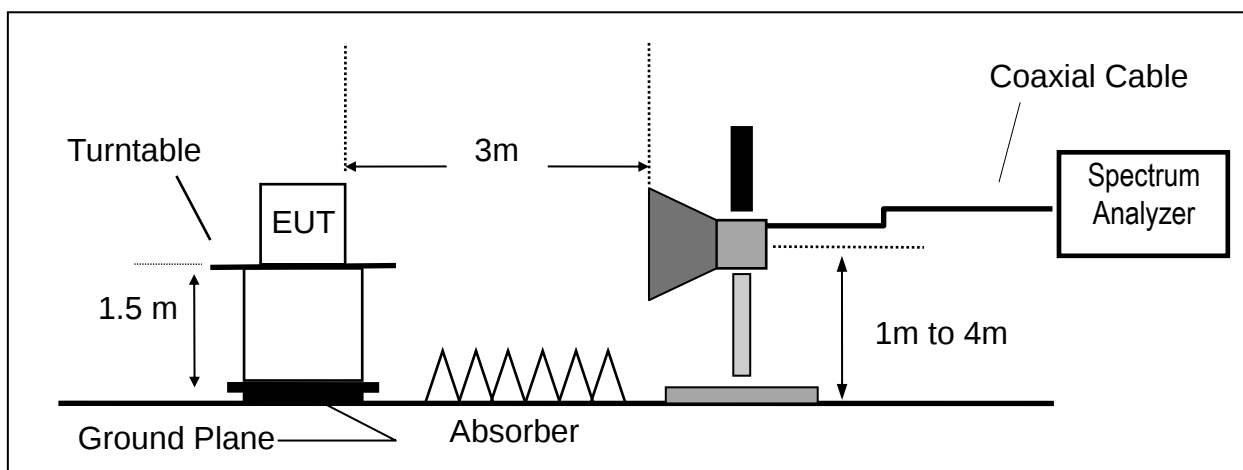
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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11.4 Measurement Procedure

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

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11.5 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 $20 \cdot \log(uV/m)$

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

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

11.6 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-scanned 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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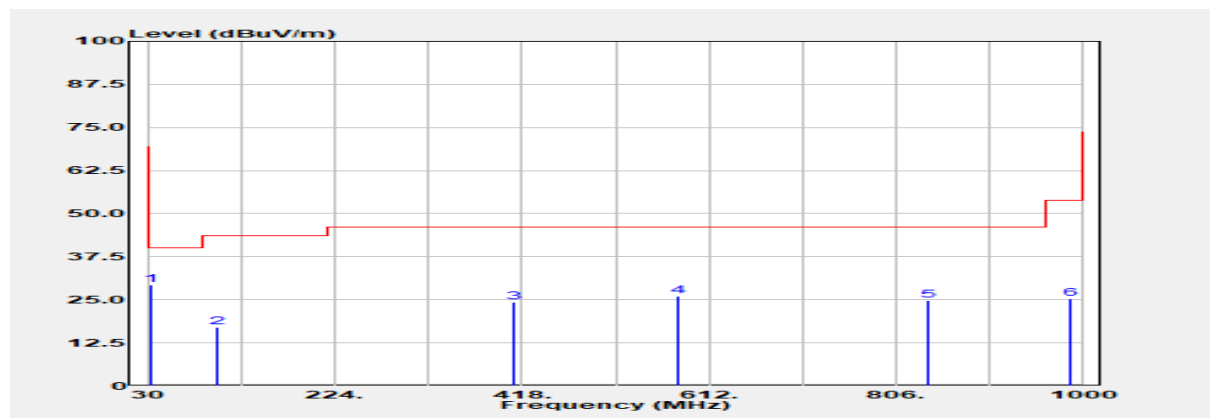
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11.7 Radiated Spurious Emission Measurement Result

11.7.1 Below 1GHz Worst-Case Data:

Report Number	:E2/2021/60094	Test Site	:966 Chamber C
Operation Mode	:802.11a / Band 1	Test Date	:2021-07-05
Test Frequency	:5220 MHz	Temp./Humi.	:24.8/52
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	38.25	-8.86	29.39	40.00	-10.61
101.506	Peak	36.66	-19.52	17.14	43.50	-26.36
409.295	Peak	36.48	-12.06	24.42	46.00	-21.58
578.734	Peak	34.70	-8.66	26.04	46.00	-19.96
838.333	Peak	31.35	-6.44	24.92	46.00	-21.08
987.564	Peak	30.25	-4.99	25.26	54.00	-28.74

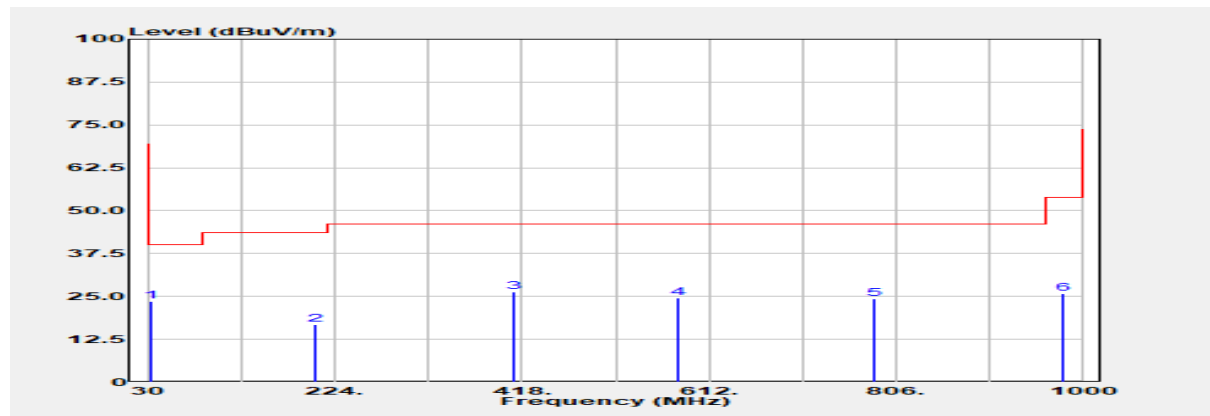
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-05
 Temp./Humi. :24.8/52
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	32.47	-8.86	23.61	40.00	-16.39
204.103	Peak	36.08	-19.34	16.74	43.50	-26.76
409.295	Peak	38.42	-12.06	26.36	46.00	-19.64
578.734	Peak	33.33	-8.66	24.67	46.00	-21.33
783.926	Peak	31.25	-6.93	24.32	46.00	-21.68
979.792	Peak	30.54	-4.79	25.75	54.00	-28.25

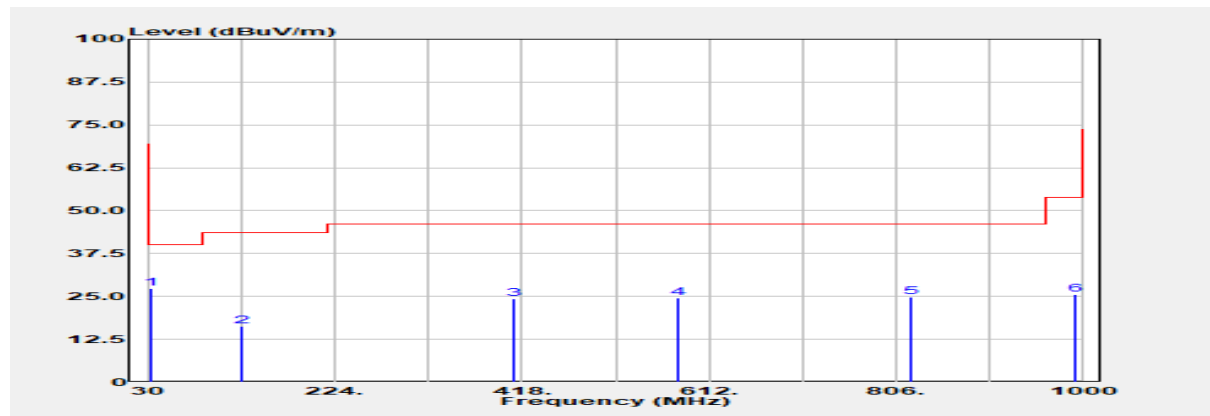
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-05
 Temp./Humi. :24.8/52
 Antenna Pol. :VERTICAL
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	36.14	-8.86	27.28	40.00	-12.72
126.378	Peak	33.18	-16.78	16.40	43.50	-27.10
409.295	Peak	36.35	-12.06	24.29	46.00	-21.71
578.734	Peak	33.30	-8.66	24.63	46.00	-21.37
821.234	Peak	31.95	-7.05	24.90	46.00	-21.10
992.228	Peak	30.36	-4.82	25.54	54.00	-28.46

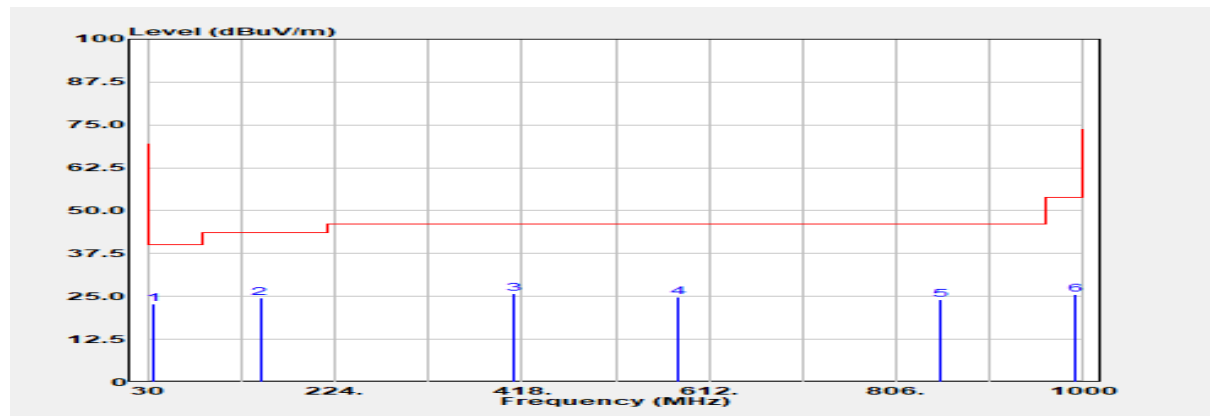
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-05
 Temp./Humi. :24.8/52
 Antenna Pol. :HORIZONTAL
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
36.218	Peak	32.82	-10.03	22.78	40.00	-17.22
146.587	Peak	42.52	-17.93	24.59	43.50	-18.91
409.295	Peak	37.83	-12.06	25.77	46.00	-20.23
578.734	Peak	33.44	-8.66	24.78	46.00	-21.22
852.324	Peak	30.44	-6.28	24.16	46.00	-21.84
990.673	Peak	30.42	-4.79	25.63	54.00	-28.37

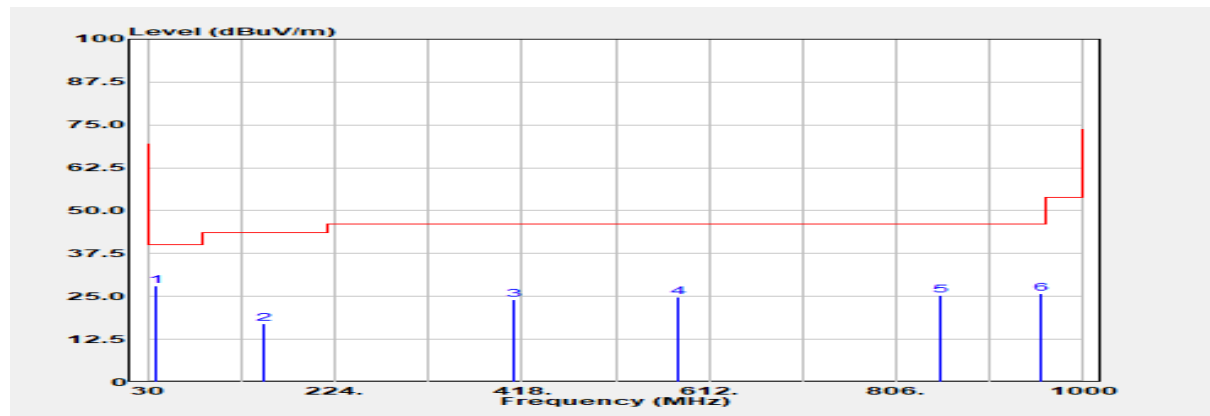
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-05
 Temp./Humi. :24.8/52
 Antenna Pol. :VERTICAL
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
37.772	Peak	38.90	-10.79	28.11	40.00	-11.89
151.250	Peak	35.26	-18.12	17.13	43.50	-26.37
409.295	Peak	36.00	-12.06	23.94	46.00	-22.06
578.734	Peak	33.56	-8.66	24.90	46.00	-21.10
852.324	Peak	31.59	-6.28	25.31	46.00	-20.69
954.920	Peak	30.98	-5.22	25.76	46.00	-20.24

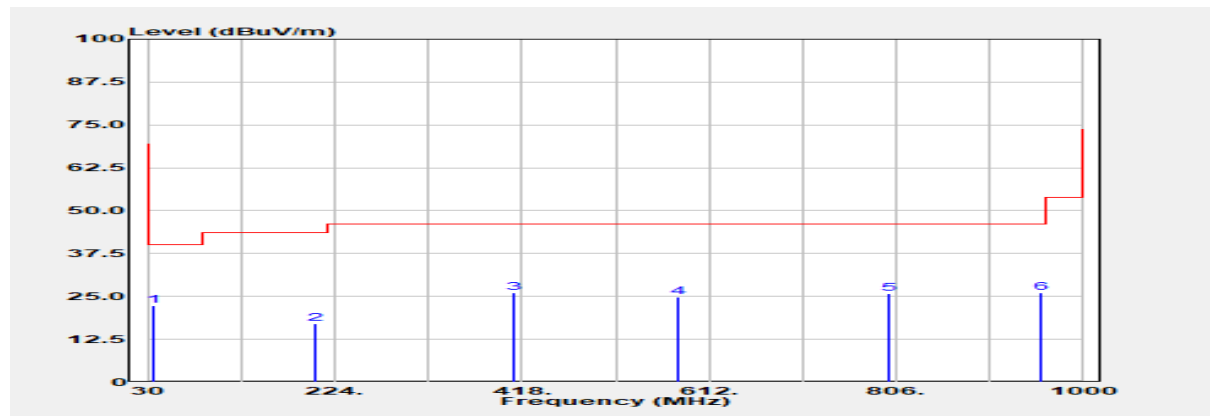
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Report Number :E2/2021/60094
Operation Mode :802.11a / Band 3
Test Frequency :5580 MHz
Test Mode :TX CH MID
EUT Pol :H Plane

Test Site :966 Chamber C
Test Date :2021-07-05
Temp./Humi. :24.8/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
36.218	Peak	32.31	-10.03	22.27	40.00	-17.73
204.103	Peak	36.29	-19.34	16.95	43.50	-26.55
409.295	Peak	38.02	-12.06	25.97	46.00	-20.03
578.734	Peak	33.37	-8.66	24.71	46.00	-21.29
797.917	Peak	32.85	-7.11	25.74	46.00	-20.26
954.920	Peak	31.18	-5.22	25.96	46.00	-20.04

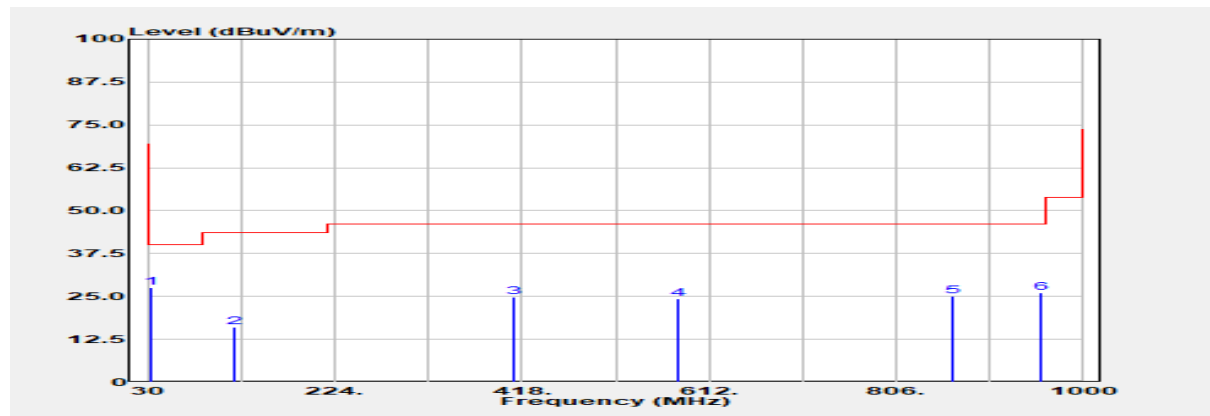
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Report Number :E2/2021/60094
Operation Mode :802.11a / Band 4
Test Frequency :5785 MHz
Test Mode :TX CH MID
EUT Pol :H Plane

Test Site :966 Chamber C
Test Date :2021-07-05
Temp./Humi. :24.8/52
Antenna Pol. :VERTICAL
Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	36.45	-8.86	27.59	40.00	-12.41
120.160	Peak	33.00	-17.01	15.99	43.50	-27.51
409.295	Peak	36.78	-12.06	24.72	46.00	-21.28
578.734	Peak	32.95	-8.66	24.29	46.00	-21.71
864.760	Peak	31.34	-6.36	24.98	46.00	-21.02
954.920	Peak	31.17	-5.22	25.94	46.00	-20.06

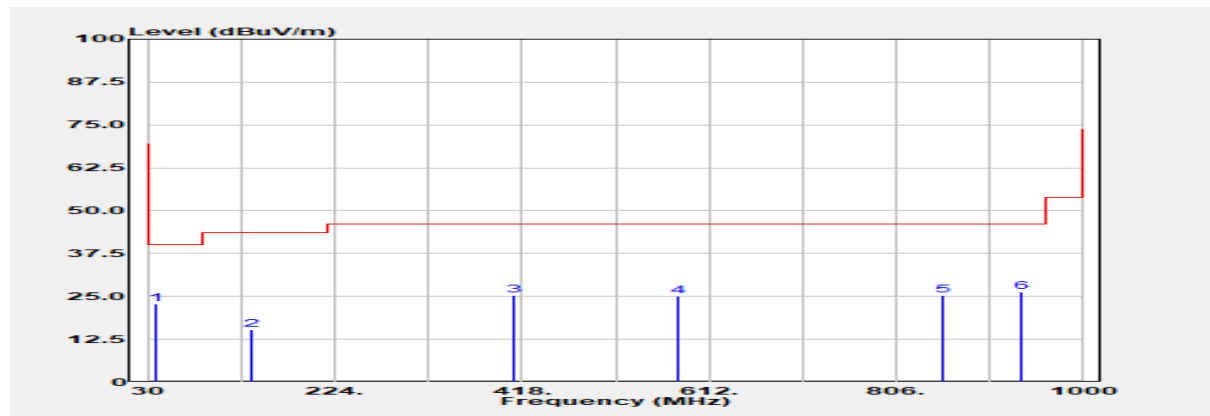
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Report Number :E2/2021/60094
Operation Mode :802.11a / Band 4
Test Frequency :5785 MHz
Test Mode :TX CH MID
EUT Pol :H Plane

Test Site :966 Chamber C
Test Date :2021-07-05
Temp./Humi. :24.8/52
Antenna Pol. :HORIZONTAL
Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
39.327	Peak	34.30	-11.58	22.73	40.00	-17.27
137.260	Peak	32.51	-17.13	15.39	43.50	-28.11
409.295	Peak	37.30	-12.06	25.24	46.00	-20.76
578.734	Peak	33.79	-8.66	25.12	46.00	-20.88
855.433	Peak	31.36	-6.12	25.25	46.00	-20.75
936.266	Peak	31.86	-5.67	26.19	46.00	-19.81

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Report Number :E2/2021/60094

Test Site :966 Chamber C

Operation Mode :802.11ac80 / Band 1

Test Date :2021-07-05

Test Frequency :5210 MHz

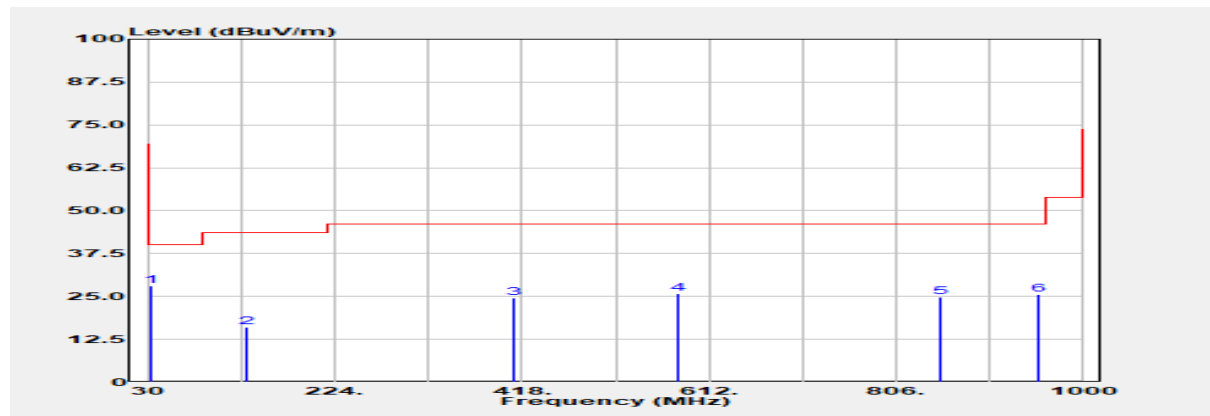
Temp./Humi. :24.2/52

Test Mode :TX CH LOW

Antenna Pol. :VERTICAL

EUT Pol :H Plane

Engineer :Ashton Chiu



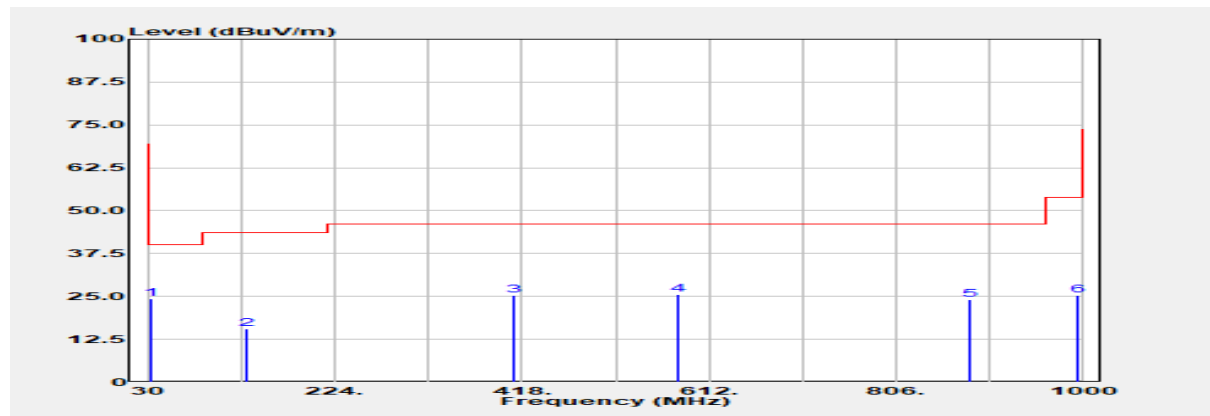
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	36.90	-8.86	28.04	40.00	-11.96
132.596	Peak	32.95	-16.99	15.96	43.50	-27.54
409.295	Peak	36.51	-12.06	24.45	46.00	-21.55
578.734	Peak	34.45	-8.66	25.79	46.00	-20.21
852.324	Peak	31.07	-6.28	24.79	46.00	-21.21
953.365	Peak	30.88	-5.22	25.66	46.00	-20.34

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Report Number	:E2/2021/60094	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 1	Test Date	:2021-07-05
Test Frequency	:5210 MHz	Temp./Humi.	:24.2/52
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	33.24	-8.86	24.38	40.00	-15.62
132.596	Peak	32.58	-16.99	15.59	43.50	-27.91
409.295	Peak	37.40	-12.06	25.34	46.00	-20.66
578.734	Peak	34.29	-8.66	25.62	46.00	-20.38
881.859	Peak	30.40	-6.25	24.15	46.00	-21.85
993.782	Peak	30.24	-4.86	25.38	54.00	-28.62

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Report Number :E2/2021/60094

Test Site :966 Chamber C

Operation Mode :802.11ac80 / Band 2

Test Date :2021-07-05

Test Frequency :5290 MHz

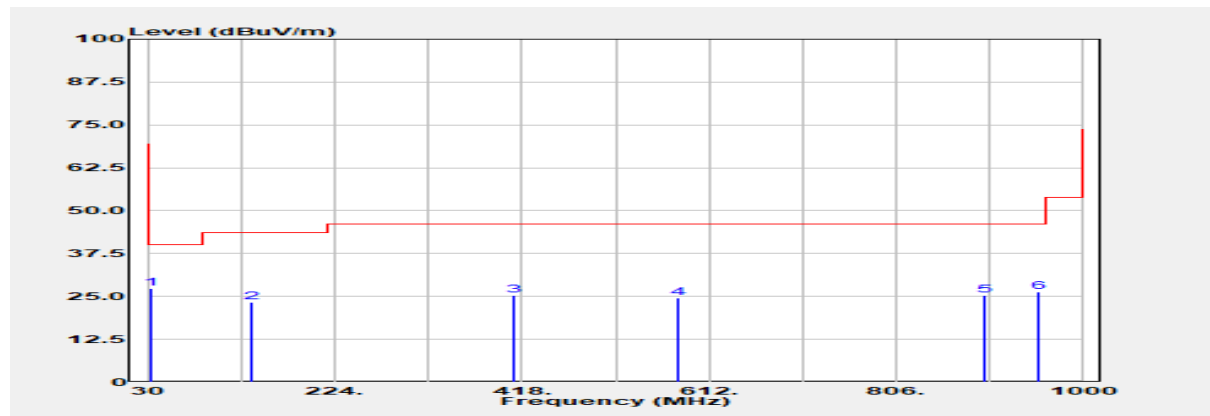
Temp./Humi. :24.2/52

Test Mode :TX CH HIGH

Antenna Pol. :VERTICAL

EUT Pol :H Plane

Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	36.27	-8.86	27.41	40.00	-12.59
138.814	Peak	40.52	-17.16	23.36	43.50	-20.14
409.295	Peak	37.34	-12.06	25.28	46.00	-20.72
578.734	Peak	33.23	-8.66	24.56	46.00	-21.44
897.404	Peak	31.12	-5.70	25.42	46.00	-20.58
953.365	Peak	31.64	-5.22	26.42	46.00	-19.58

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Report Number :E2/2021/60094

Test Site :966 Chamber C

Operation Mode :802.11ac80 / Band 2

Test Date :2021-07-05

Test Frequency :5290 MHz

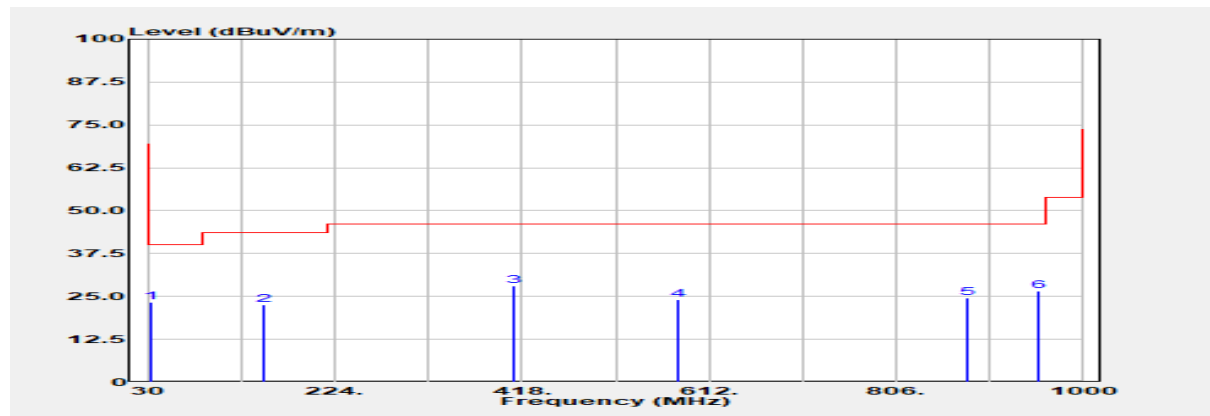
Temp./Humi. :24.2/52

Test Mode :TX CH HIGH

Antenna Pol. :HORIZONTAL

EUT Pol :H Plane

Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	32.05	-8.86	23.19	40.00	-16.81
149.696	Peak	40.61	-18.01	22.60	43.50	-20.90
409.295	Peak	40.20	-12.06	28.14	46.00	-17.86
578.734	Peak	32.74	-8.66	24.08	46.00	-21.92
880.305	Peak	31.03	-6.39	24.64	46.00	-21.36
953.365	Peak	31.72	-5.22	26.50	46.00	-19.50

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Report Number :E2/2021/60094

Test Site :966 Chamber C

Operation Mode :802.11ac80 / Band 3

Test Date :2021-07-05

Test Frequency :5610 MHz

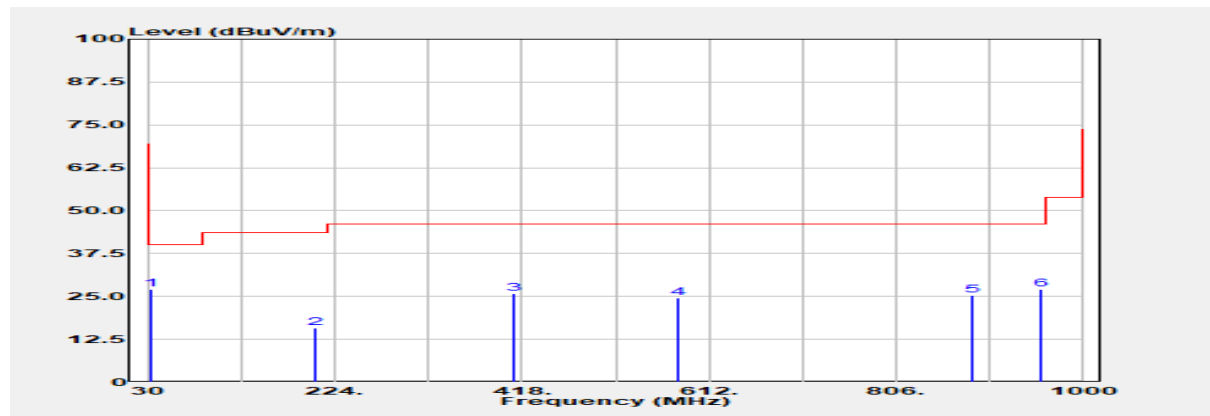
Temp./Humi. :24.2/52

Test Mode :TX CH MID

Antenna Pol. :VERTICAL

EUT Pol :H Plane

Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	35.92	-8.86	27.06	40.00	-12.94
204.103	Peak	35.22	-19.34	15.88	43.50	-27.62
409.295	Peak	37.82	-12.06	25.76	46.00	-20.24
578.734	Peak	33.23	-8.66	24.56	46.00	-21.44
884.968	Peak	31.25	-5.99	25.26	46.00	-20.74
954.920	Peak	32.40	-5.22	27.18	46.00	-18.82

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Report Number :E2/2021/60094

Test Site :966 Chamber C

Operation Mode :802.11ac80 / Band 3

Test Date :2021-07-05

Test Frequency :5610 MHz

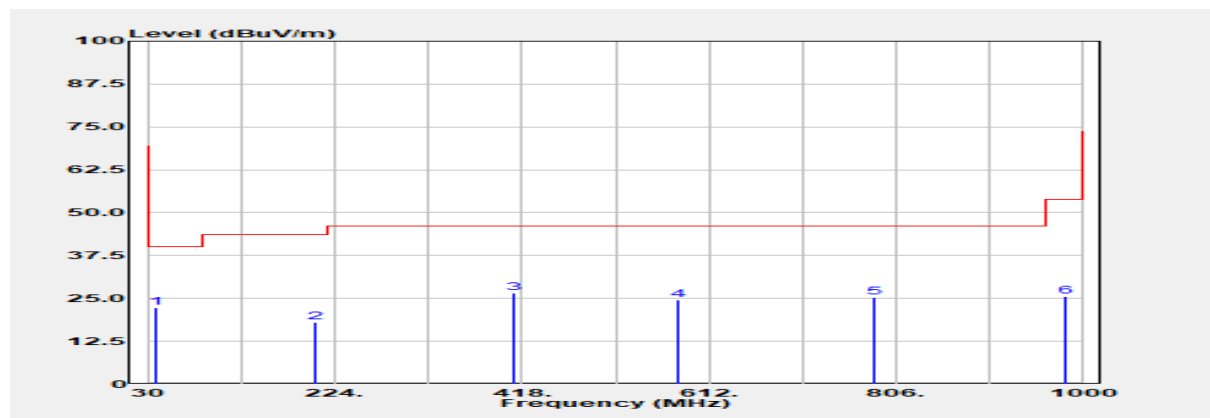
Temp./Humi. :24.2/52

Test Mode :TX CH MID

Antenna Pol. :HORIZONTAL

EUT Pol :H Plane

Engineer :Ashton Chiu



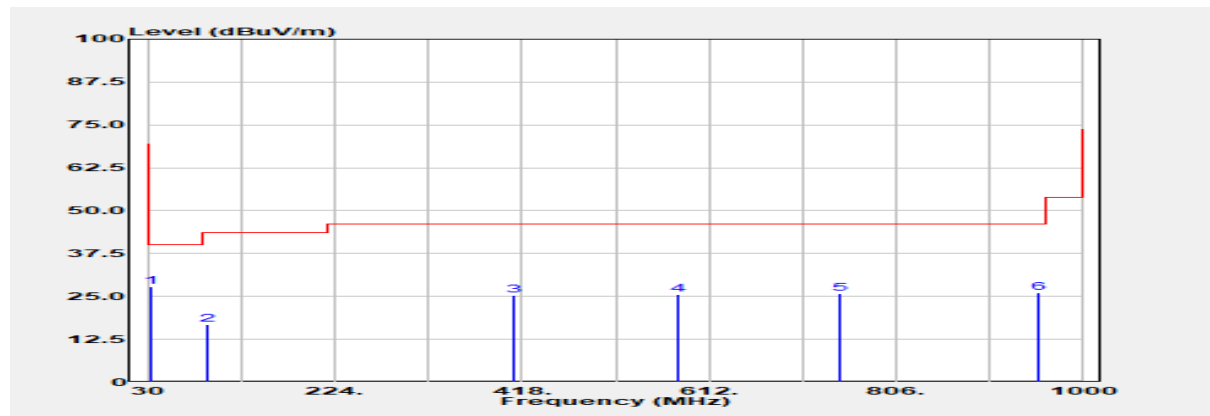
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
37.772	Peak	33.04	-10.79	22.25	40.00	-17.75
204.103	Peak	37.44	-19.34	18.10	43.50	-25.40
409.295	Peak	38.72	-12.06	26.66	46.00	-19.34
578.734	Peak	33.12	-8.66	24.45	46.00	-21.55
783.926	Peak	32.24	-6.93	25.31	46.00	-20.69
981.346	Peak	30.50	-4.87	25.62	54.00	-28.38

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Report Number	:E2/2021/60094	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 4	Test Date	:2021-07-05
Test Frequency	:5775 MHz	Temp./Humi.	:24.2/52
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:H Plane	Engineer	:Ashton Chiu



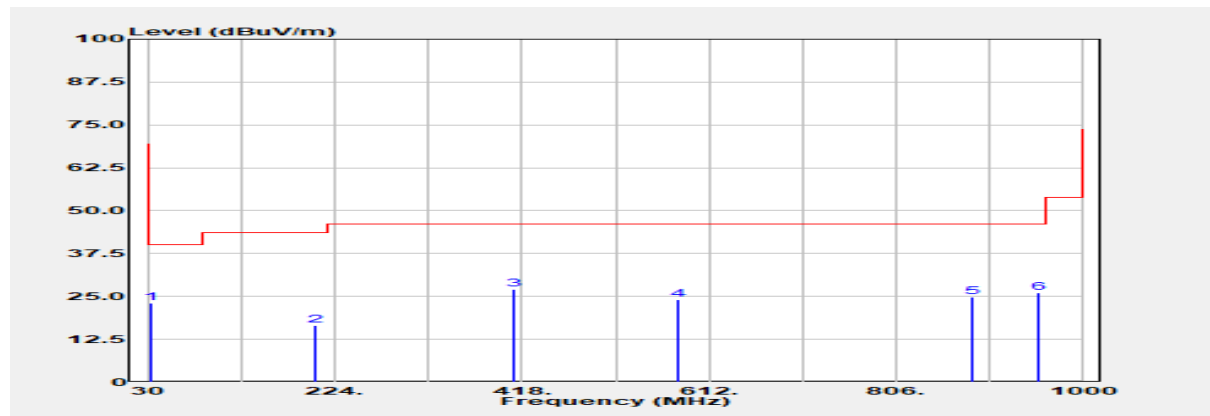
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
33.109	Peak	36.21	-8.39	27.82	40.00	-12.18
92.179	Peak	37.77	-21.00	16.76	43.50	-26.74
409.295	Peak	37.43	-12.06	25.37	46.00	-20.63
578.734	Peak	34.10	-8.66	25.44	46.00	-20.56
746.619	Peak	33.60	-7.79	25.81	46.00	-20.19
953.365	Peak	31.18	-5.22	25.96	46.00	-20.04

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Report Number	:E2/2021/60094	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 4	Test Date	:2021-07-05
Test Frequency	:5775 MHz	Temp./Humi.	:24.2/52
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:H Plane	Engineer	:Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
34.663	Peak	31.96	-8.86	23.10	40.00	-16.90
204.103	Peak	35.94	-19.34	16.60	43.50	-26.90
409.295	Peak	39.13	-12.06	27.07	46.00	-18.93
578.734	Peak	32.79	-8.66	24.13	46.00	-21.87
884.968	Peak	30.81	-5.99	24.82	46.00	-21.18
953.365	Peak	31.28	-5.22	26.06	46.00	-19.94

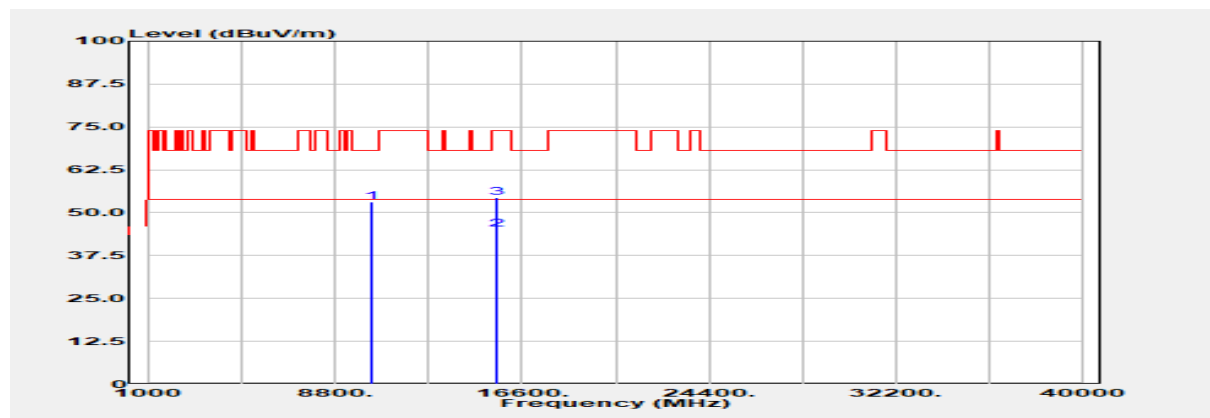
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11.7.2 Above 1GHz Worst-Case Data:

Report Number	:E2/2021/60094	Test Site	:966 Chamber C
Operation Mode	:802.11a / Band 1	Test Date	:2021-07-07
Test Frequency	:5180 MHz	Temp./Humi.	:24.9/50
Test Mode	:TX CH LOW	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.000	Peak	30.49	22.53	53.02	68.20	-15.18
15540.000	Average	19.57	25.60	45.17	54.00	-8.83
15540.000	Peak	28.88	25.60	54.48	74.00	-19.52

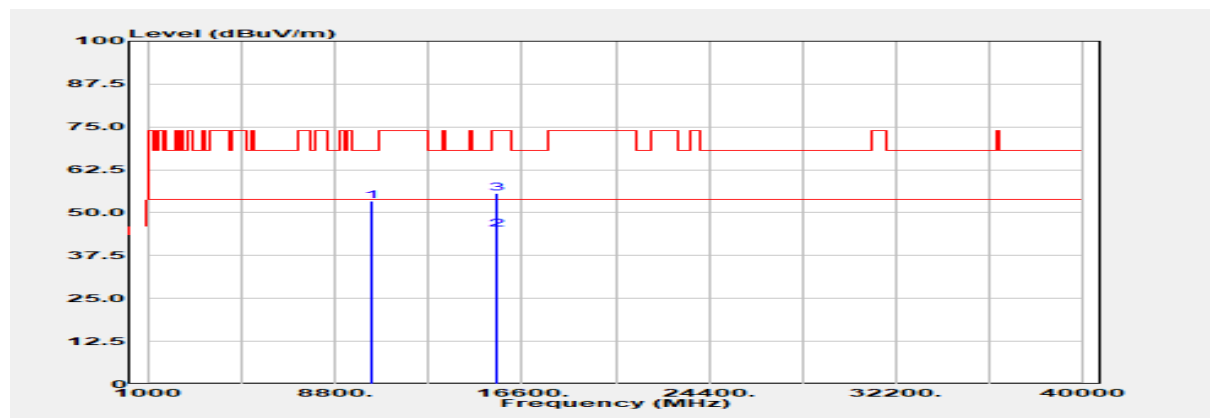
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 1
 Test Frequency :5180 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.000	Peak	30.91	22.53	53.44	68.20	-14.76
15540.000	Average	19.53	25.60	45.13	54.00	-8.87
15540.000	Peak	29.95	25.60	55.55	74.00	-18.45

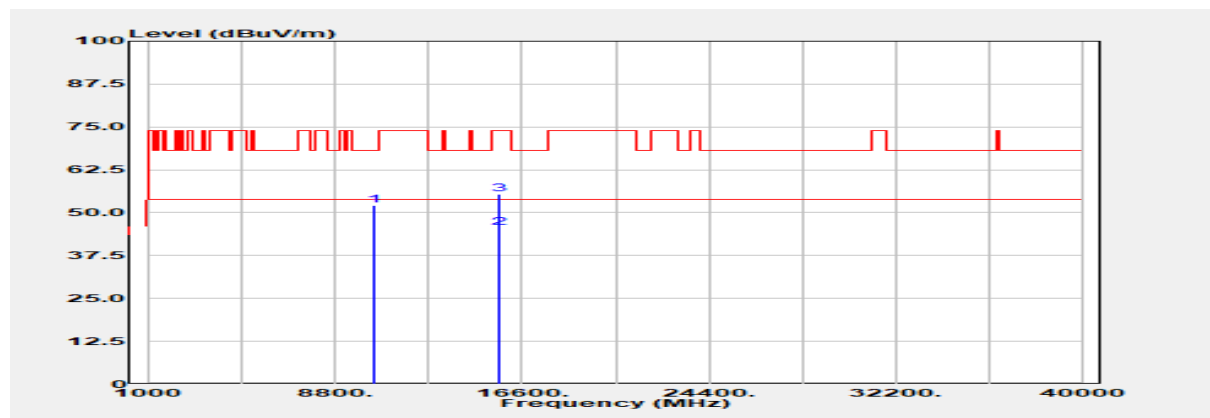
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.000	Peak	29.61	22.54	52.15	68.20	-16.05
15660.000	Average	19.82	25.83	45.65	54.00	-8.35
15660.000	Peak	29.56	25.83	55.39	74.00	-18.61

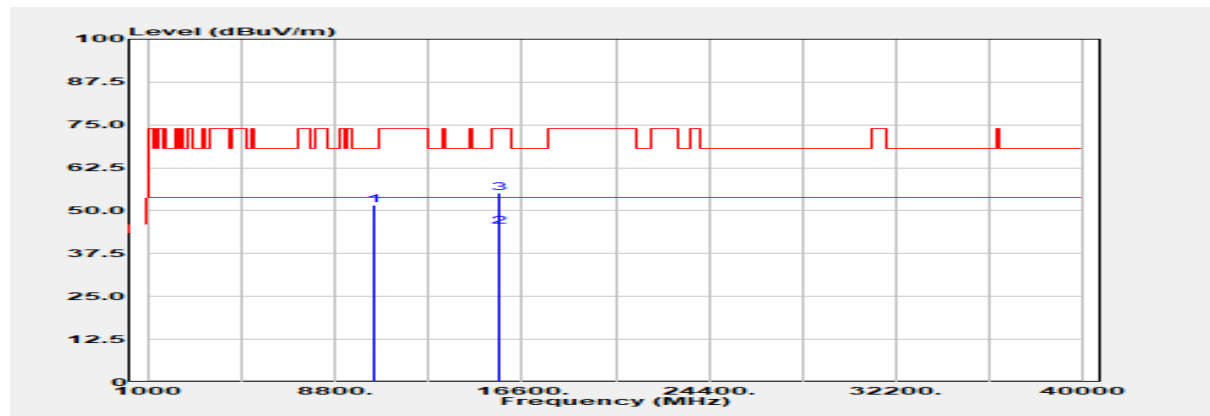
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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	29.18	22.54	51.72	68.20	-16.48
15660.000	Average	19.63	25.83	45.46	54.00	-8.54
15660.000	Peak	29.23	25.83	55.05	74.00	-18.95

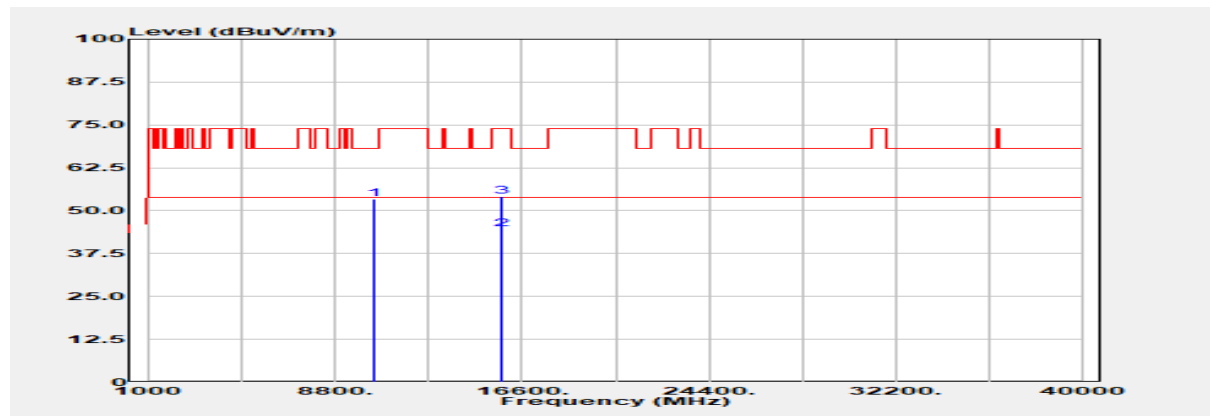
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	30.26	23.19	53.45	68.20	-14.75
15720.000	Average	19.72	24.99	44.71	54.00	-9.29
15720.000	Peak	29.18	24.99	54.17	74.00	-19.83

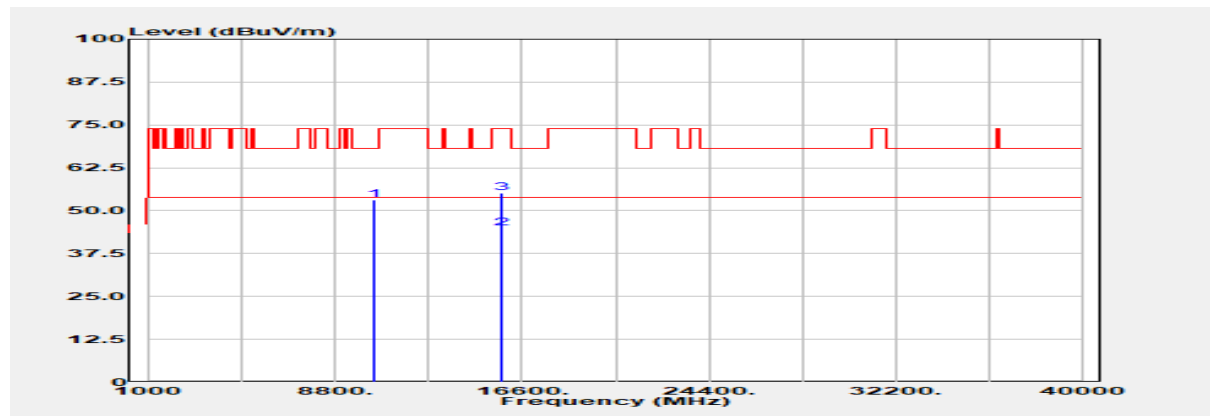
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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	30.02	23.19	53.21	68.20	-14.99
15720.000	Average	19.85	24.99	44.84	54.00	-9.16
15720.000	Peak	30.25	24.99	55.24	74.00	-18.76

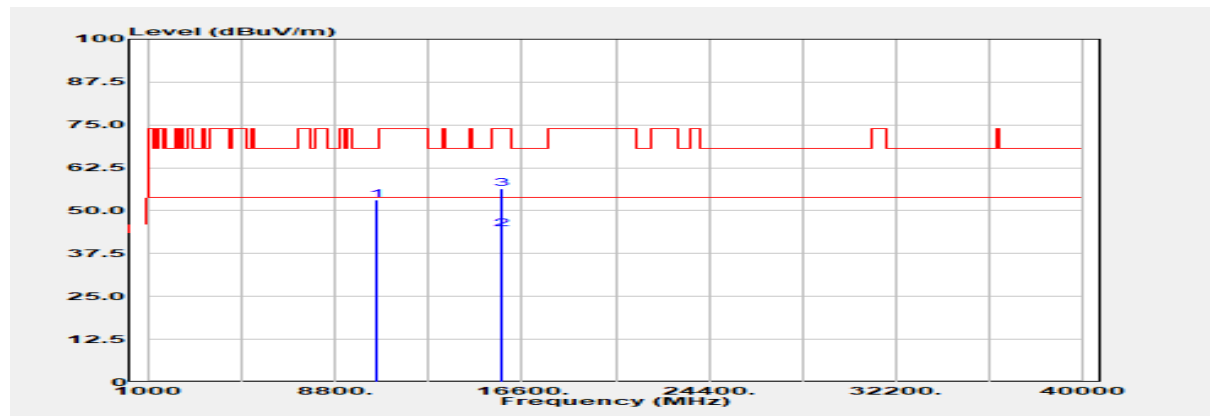
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10520.000	Peak	29.72	23.52	53.23	68.20	-14.97
15780.000	Average	19.89	24.82	44.71	54.00	-9.29
15780.000	Peak	31.54	24.82	56.36	74.00	-17.64

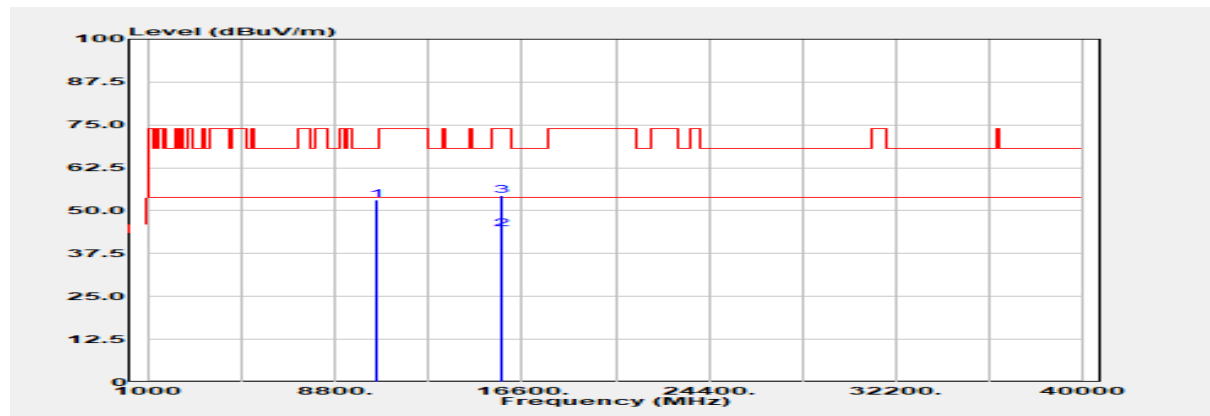
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.000	Peak	29.50	23.52	53.01	68.20	-15.19
15780.000	Average	19.77	24.82	44.59	54.00	-9.41
15780.000	Peak	29.59	24.82	54.41	74.00	-19.59

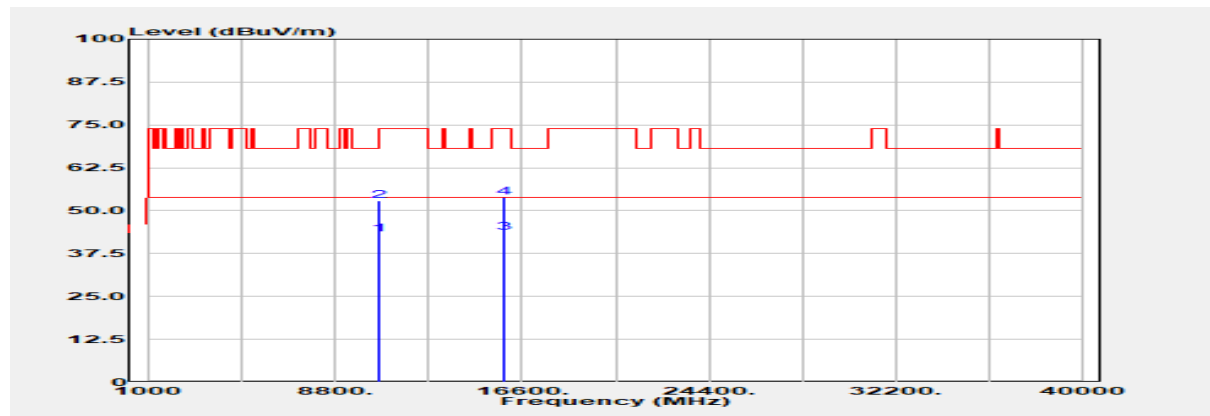
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Average	19.93	23.11	43.04	54.00	-10.96
10600.000	Peak	29.68	23.11	52.80	74.00	-21.20
15900.000	Average	19.68	23.84	43.52	54.00	-10.48
15900.000	Peak	29.96	23.84	53.80	74.00	-20.20

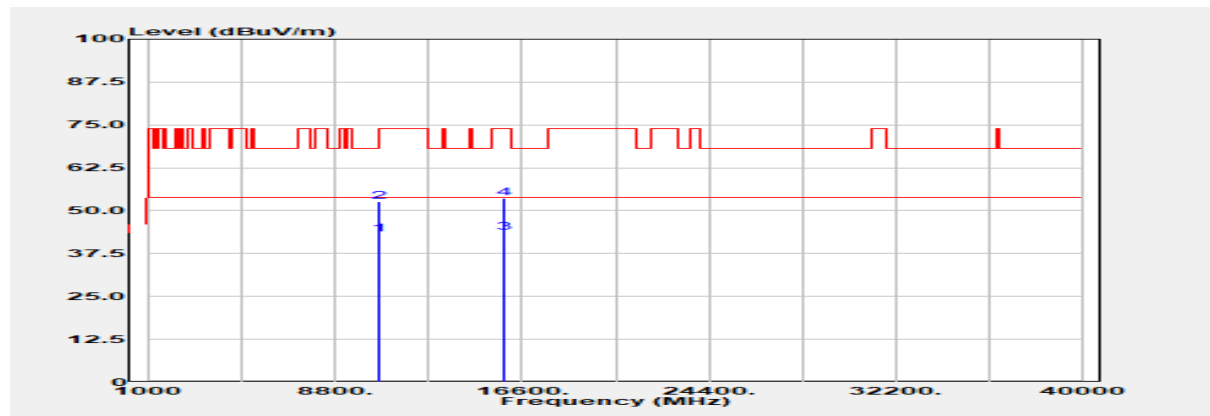
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Average	19.88	23.11	42.99	54.00	-11.01
10600.000	Peak	29.42	23.11	52.54	74.00	-21.46
15900.000	Average	19.71	23.84	43.55	54.00	-10.45
15900.000	Peak	29.81	23.84	53.65	74.00	-20.35

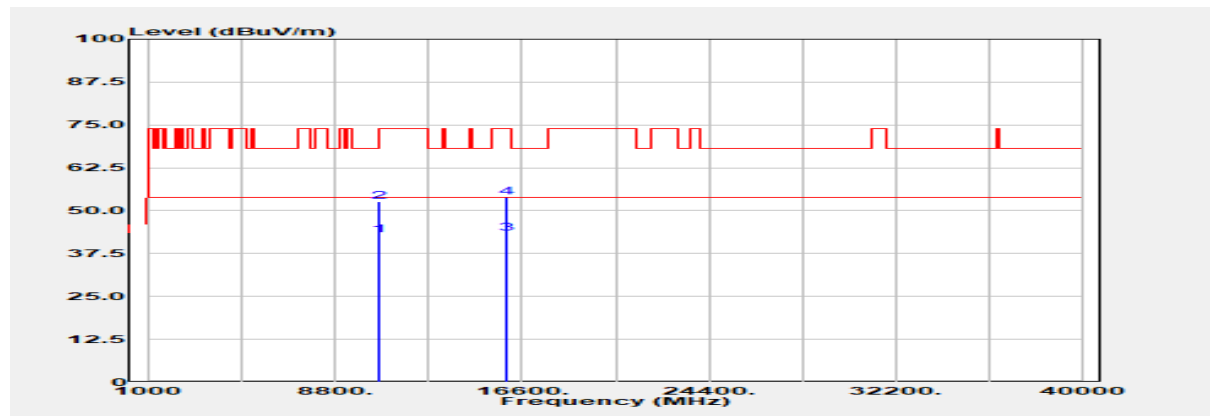
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5320 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	19.79	23.12	42.91	54.00	-11.09
10640.000	Peak	29.62	23.12	52.74	74.00	-21.26
15960.000	Average	19.82	23.43	43.25	54.00	-10.75
15960.000	Peak	30.55	23.43	53.98	74.00	-20.02

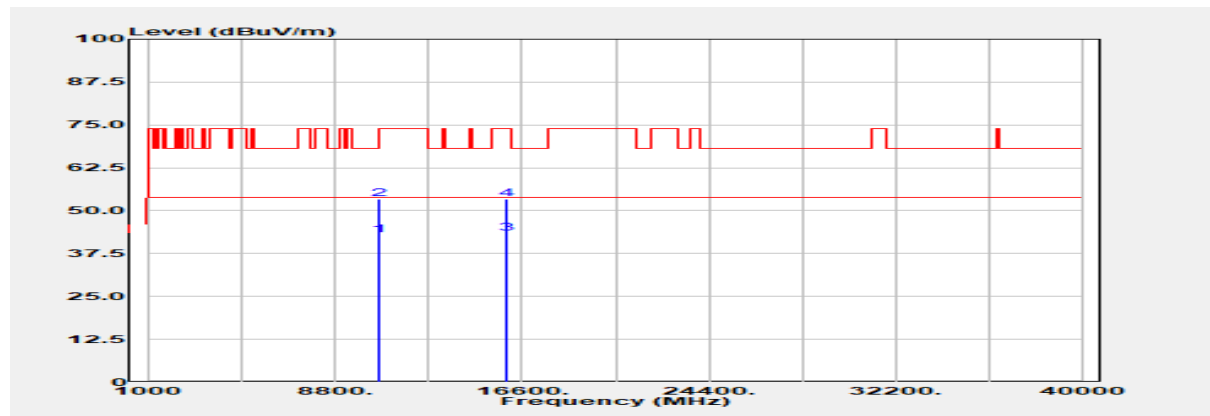
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 2
 Test Frequency :5320 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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	19.84	23.12	42.96	54.00	-11.04
10640.000	Peak	30.17	23.12	53.29	74.00	-20.71
15960.000	Average	19.90	23.43	43.33	54.00	-10.67
15960.000	Peak	29.97	23.43	53.39	74.00	-20.61

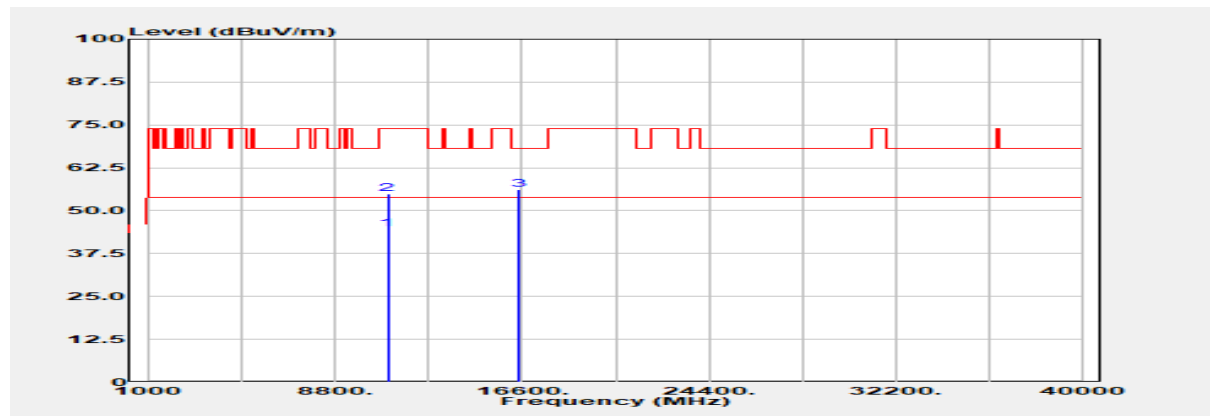
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Report Number :E2/2021/60094
Operation Mode :802.11a / Band 3
Test Frequency :5500 MHz
Test Mode :TX CH LOW
EUT Pol :H Plane

Test Site :966 Chamber C
Test Date :2021-07-07
Temp./Humi. :24.9/50
Antenna Pol. :Vertical
Engineer :Enzo Chang



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	19.79	24.74	44.53	54.00	-9.47
11000.000	Peak	30.24	24.74	54.98	74.00	-19.02
16500.000	Peak	30.15	26.06	56.21	68.20	-11.99

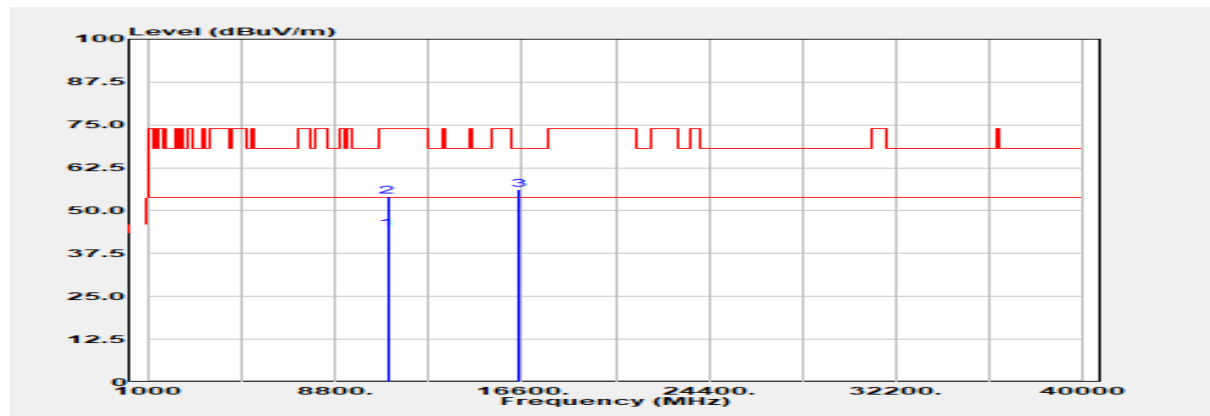
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3
 Test Frequency :5500 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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	19.92	24.74	44.66	54.00	-9.34
11000.000	Peak	29.51	24.74	54.25	74.00	-19.75
16500.000	Peak	29.96	26.06	56.02	68.20	-12.18

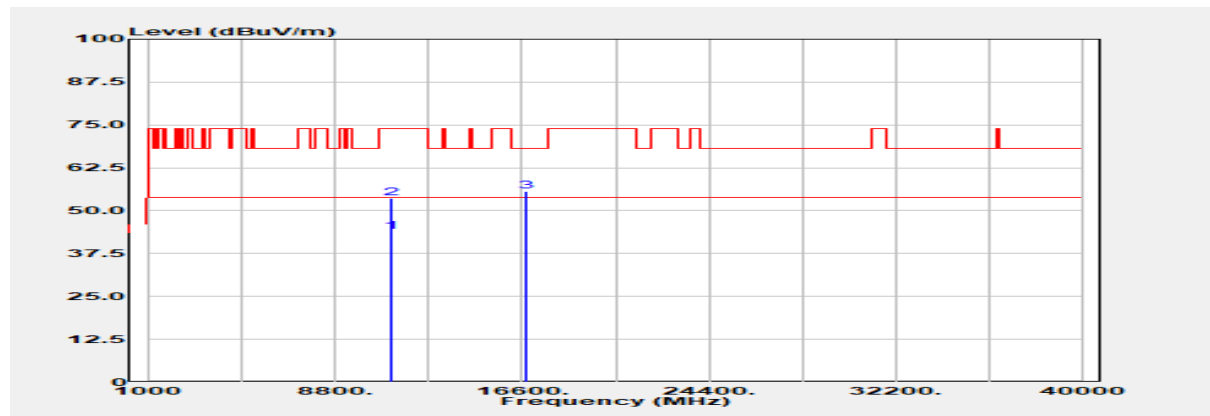
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.000	Average	19.73	24.01	43.74	54.00	-10.26
11160.000	Peak	29.53	24.01	53.54	74.00	-20.46
16740.000	Peak	29.41	26.11	55.52	68.20	-12.68

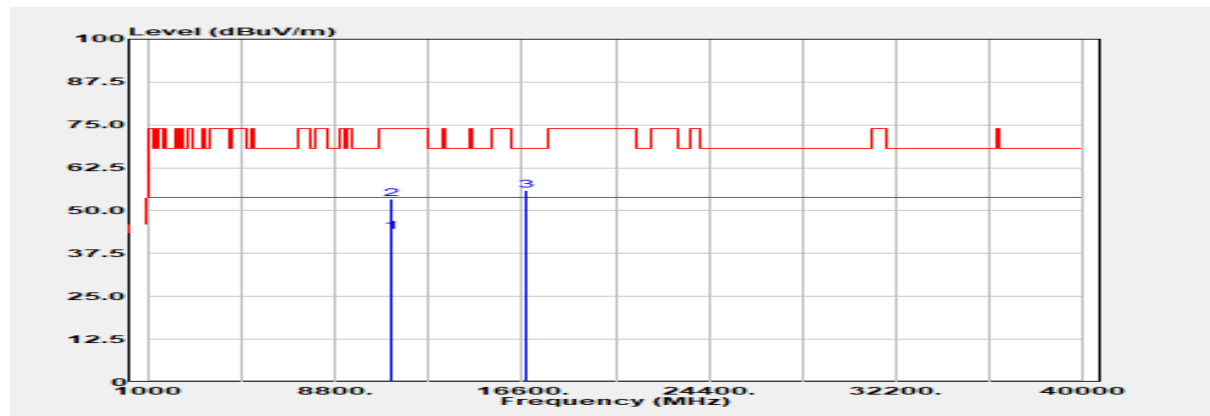
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.000	Average	19.82	24.01	43.83	54.00	-10.17
11160.000	Peak	29.42	24.01	53.43	74.00	-20.57
16740.000	Peak	29.87	26.11	55.98	68.20	-12.22

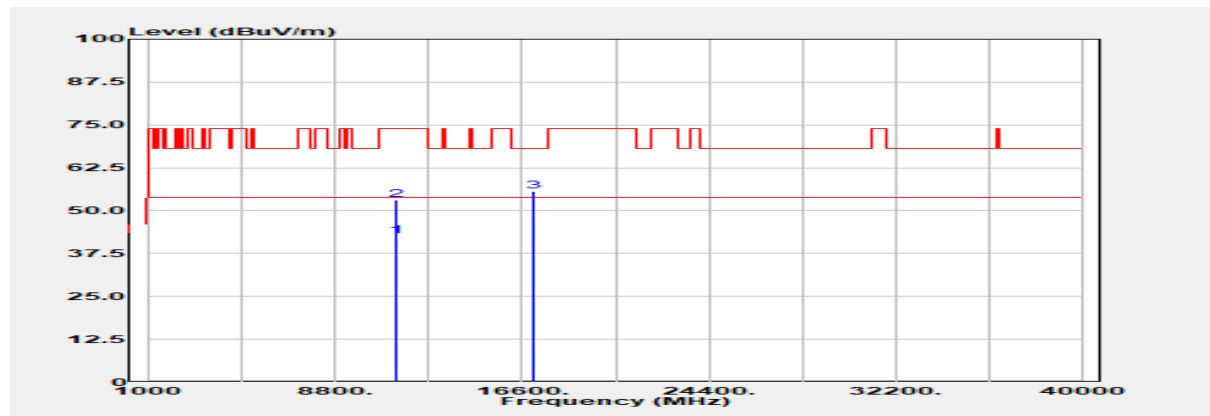
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	19.86	22.73	42.59	54.00	-11.41
11400.000	Peak	30.28	22.73	53.01	74.00	-20.99
17100.000	Peak	29.64	25.93	55.57	68.20	-12.63

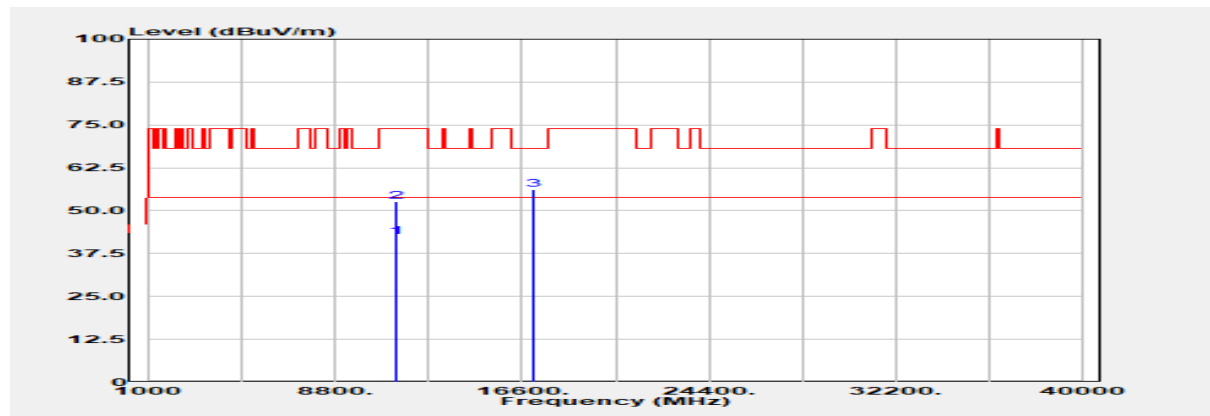
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	19.73	22.73	42.46	54.00	-11.54
11400.000	Peak	30.02	22.73	52.76	74.00	-21.24
17100.000	Peak	30.10	25.93	56.04	68.20	-12.16

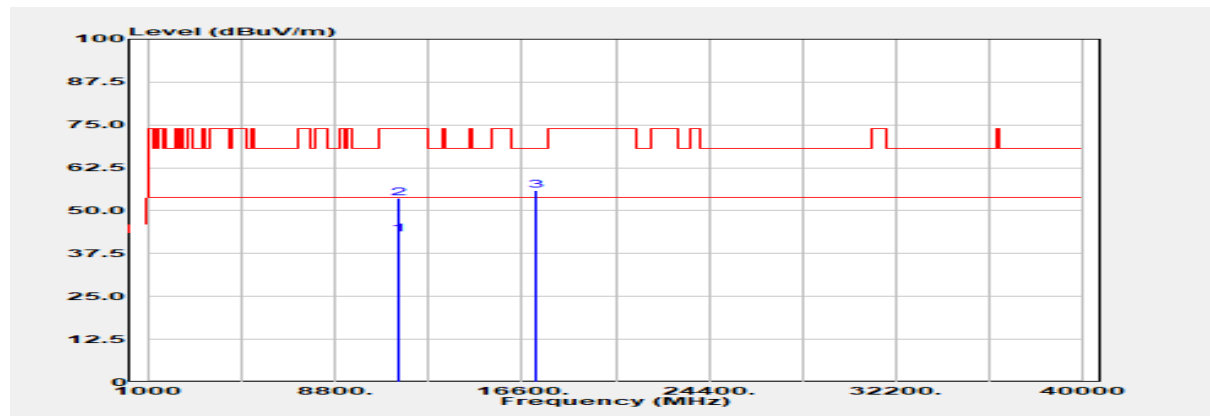
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3-4
 Test Frequency :5720 MHz
 Test Mode :TX CH 144
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.000	Average	19.76	23.40	43.16	54.00	-10.84
11440.000	Peak	30.13	23.40	53.53	74.00	-20.47
17160.000	Peak	29.76	26.22	55.98	68.20	-12.22

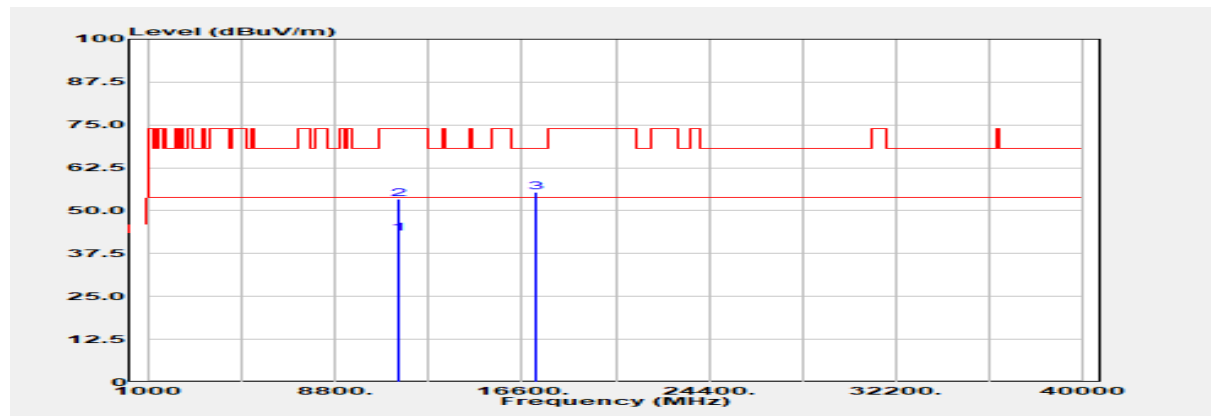
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 3-4
 Test Frequency :5720 MHz
 Test Mode :TX CH 144
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.000	Average	19.87	23.40	43.27	54.00	-10.73
11440.000	Peak	29.97	23.40	53.37	74.00	-20.63
17160.000	Peak	29.11	26.22	55.33	68.20	-12.87

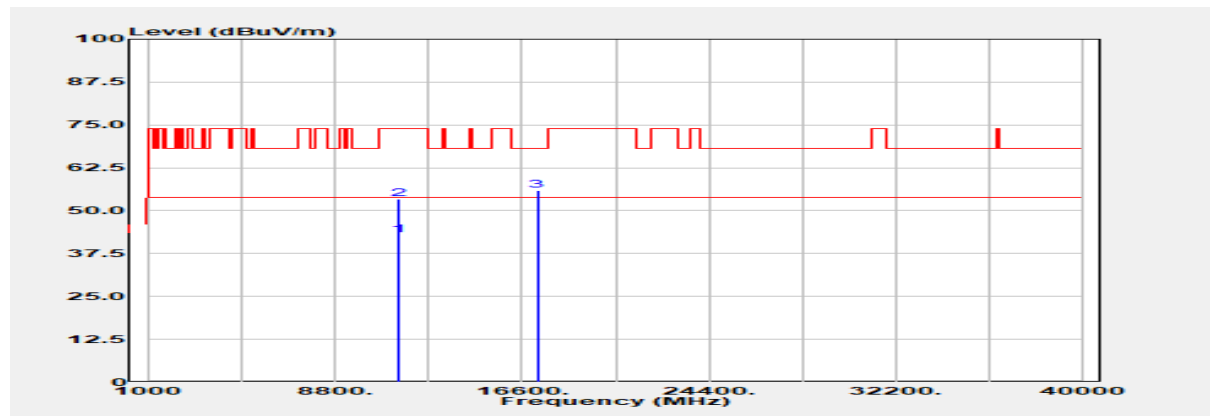
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.000	Average	19.63	23.20	42.83	54.00	-11.17
11490.000	Peak	30.27	23.20	53.47	74.00	-20.53
17235.000	Peak	29.23	26.56	55.80	68.20	-12.40

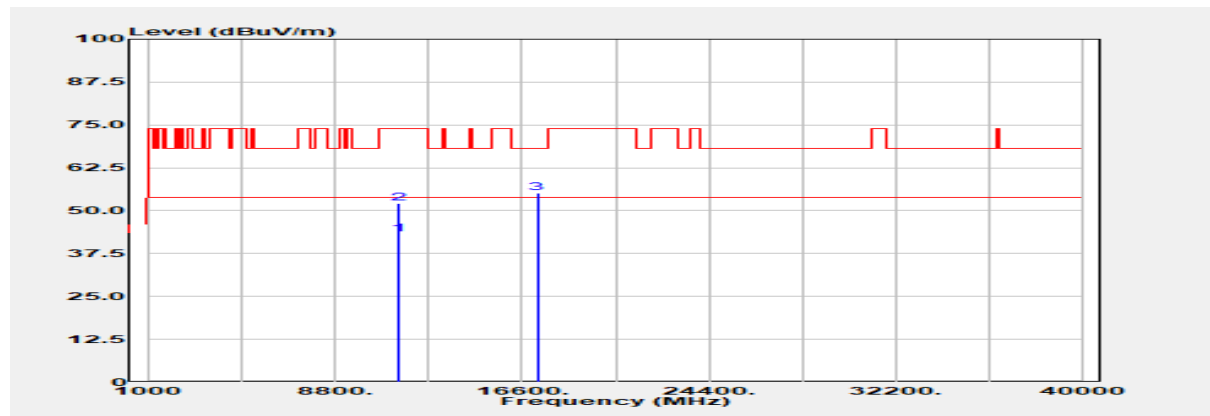
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.000	Average	19.82	23.20	43.02	54.00	-10.98
11490.000	Peak	28.83	23.20	52.03	74.00	-21.97
17235.000	Peak	28.58	26.56	55.14	68.20	-13.06

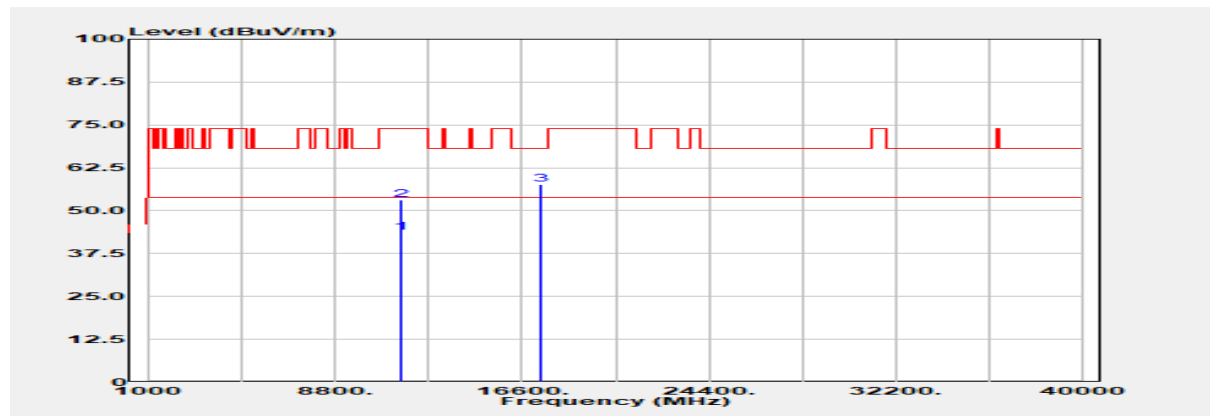
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.000	Average	19.78	23.93	43.71	54.00	-10.29
11570.000	Peak	29.32	23.93	53.25	74.00	-20.75
17355.000	Peak	29.67	27.97	57.64	68.20	-10.56

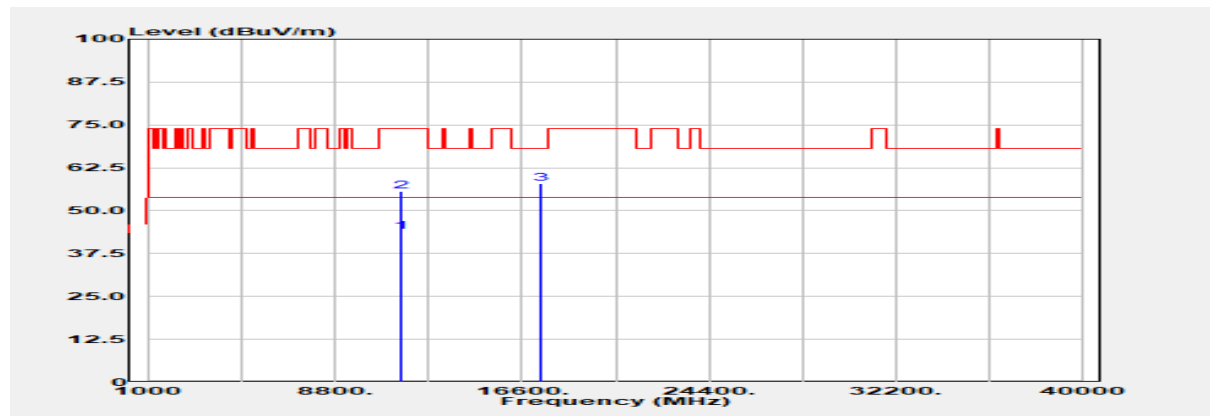
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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
11570.000	Average	19.92	23.93	43.85	54.00	-10.15
11570.000	Peak	31.72	23.93	55.66	74.00	-18.34
17355.000	Peak	29.83	27.97	57.80	68.20	-10.40

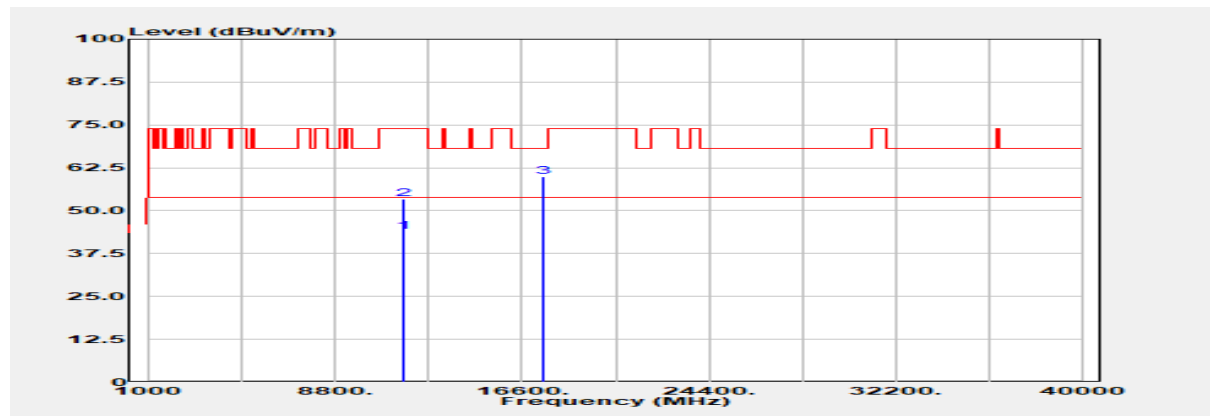
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 4
 Test Frequency :5825 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	19.76	24.02	43.78	54.00	-10.22
11650.000	Peak	29.31	24.02	53.33	74.00	-20.67
17475.000	Peak	30.28	29.49	59.78	68.20	-8.42

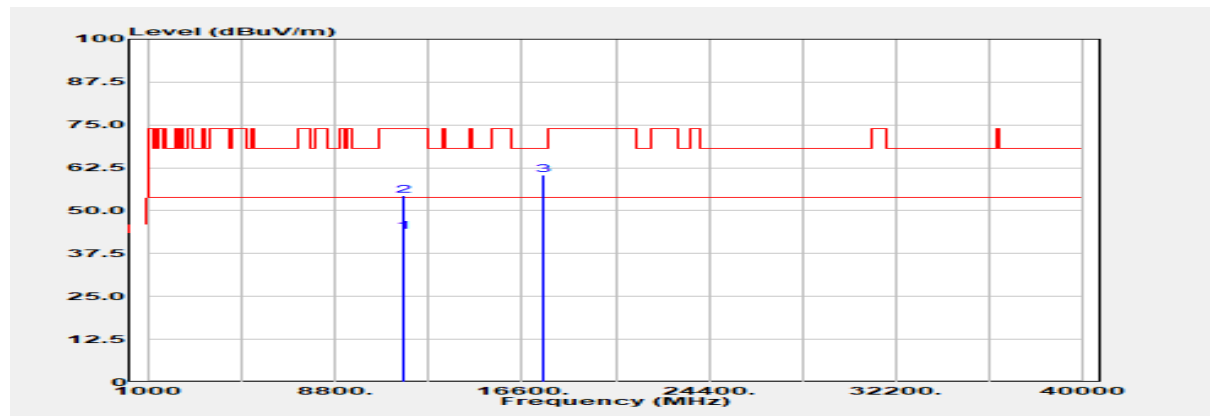
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Report Number :E2/2021/60094
 Operation Mode :802.11a / Band 4
 Test Frequency :5825 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.9/50
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	19.84	24.02	43.86	54.00	-10.14
11650.000	Peak	30.24	24.02	54.26	74.00	-19.74
17475.000	Peak	31.03	29.49	60.53	68.20	-7.67

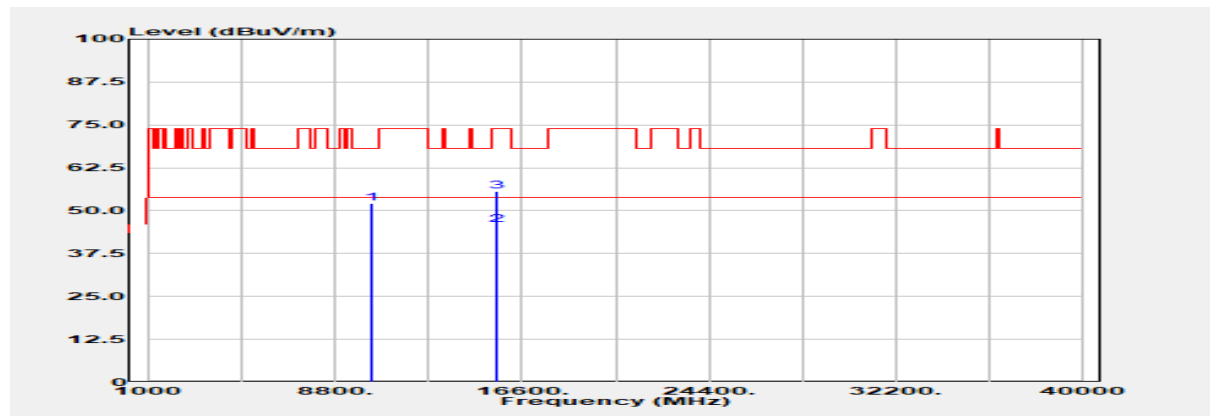
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5180 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.4/53
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	29.55	22.53	52.08	68.20	-16.12
15540.000	Average	20.21	25.60	45.81	54.00	-8.19
15540.000	Peak	30.16	25.60	55.76	74.00	-18.24

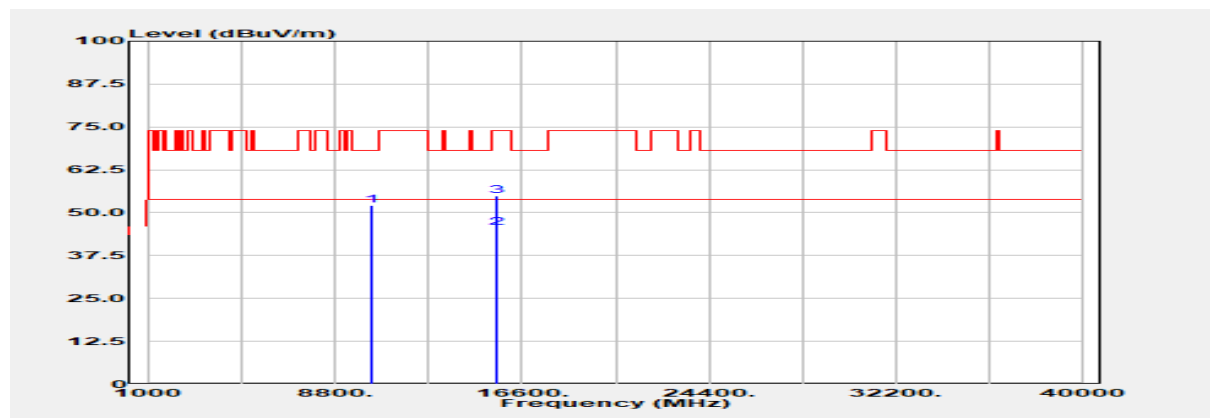
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5180 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.4/53
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10360.000	Peak	29.59	22.53	52.12	68.20	-16.08
15540.000	Average	20.10	25.60	45.70	54.00	-8.30
15540.000	Peak	29.26	25.60	54.86	74.00	-19.14

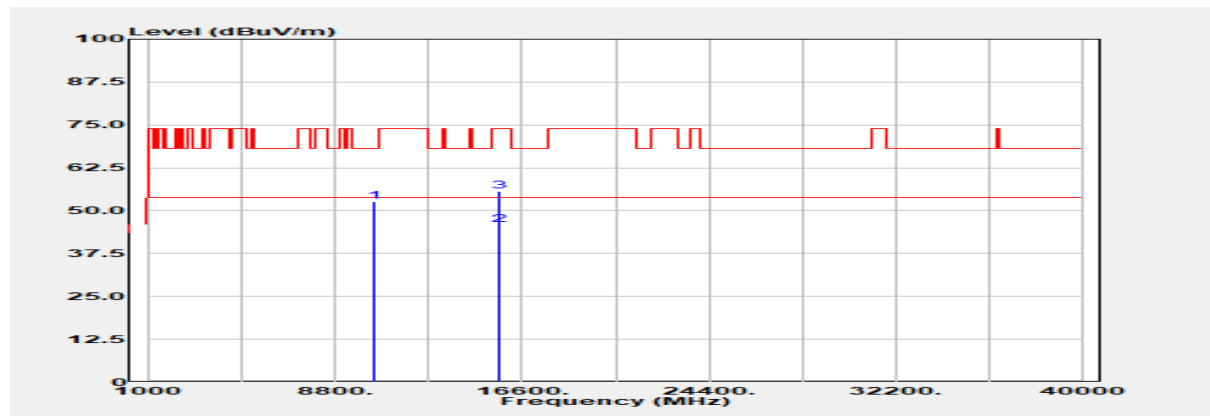
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.4/53
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	30.08	22.54	52.62	68.20	-15.58
15660.000	Average	20.16	25.83	45.99	54.00	-8.01
15660.000	Peak	29.77	25.83	55.60	74.00	-18.40

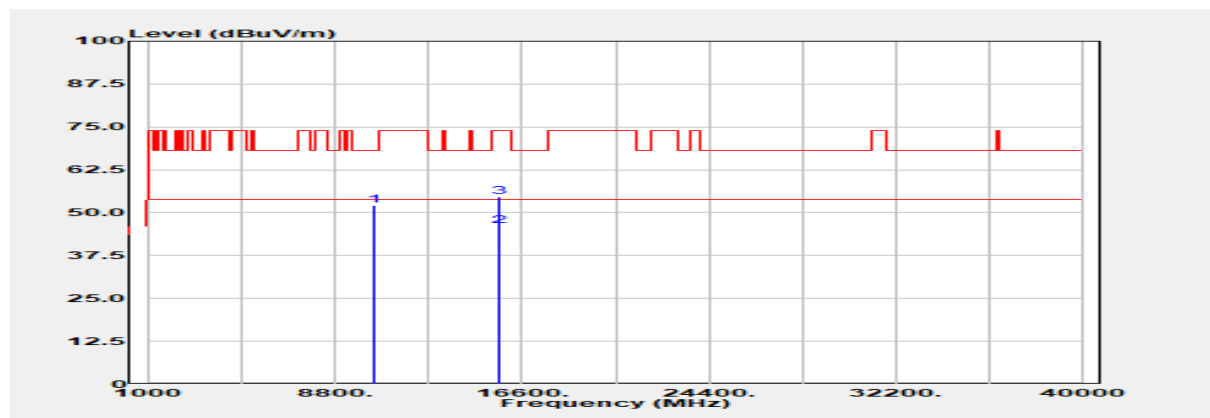
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5220 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-07
 Temp./Humi. :24.4/53
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10440.000	Peak	29.55	22.54	52.09	68.20	-16.11
15660.000	Average	20.22	25.83	46.05	54.00	-7.95
15660.000	Peak	28.87	25.83	54.70	74.00	-19.30

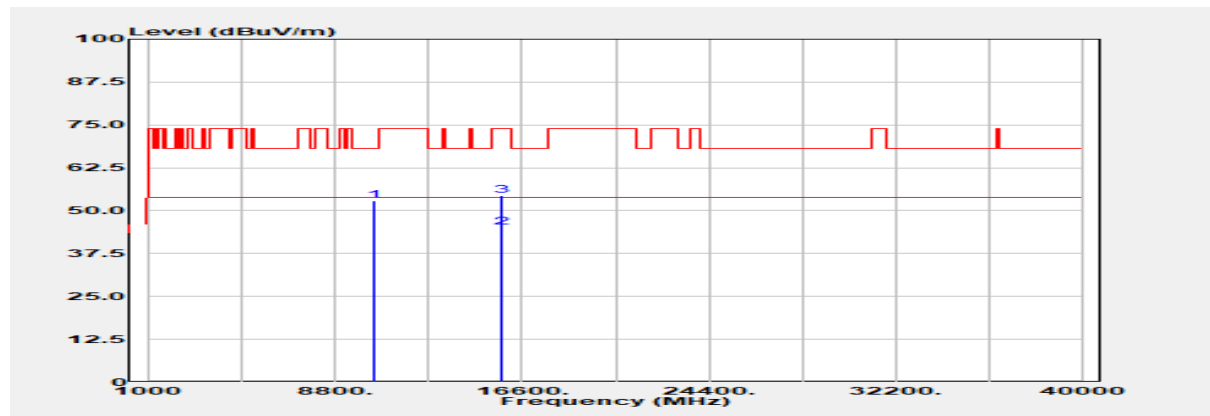
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	29.80	23.19	52.99	68.20	-15.21
15720.000	Average	20.18	24.99	45.17	54.00	-8.83
15720.000	Peak	29.29	24.99	54.28	74.00	-19.72

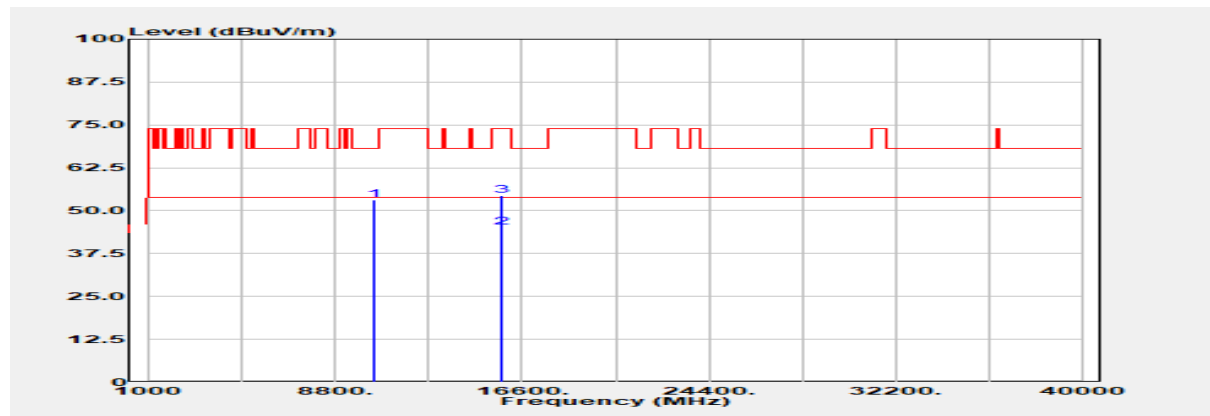
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 1
 Test Frequency :5240 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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	29.97	23.19	53.16	68.20	-15.04
15720.000	Average	20.09	24.99	45.08	54.00	-8.92
15720.000	Peak	29.48	24.99	54.47	74.00	-19.53

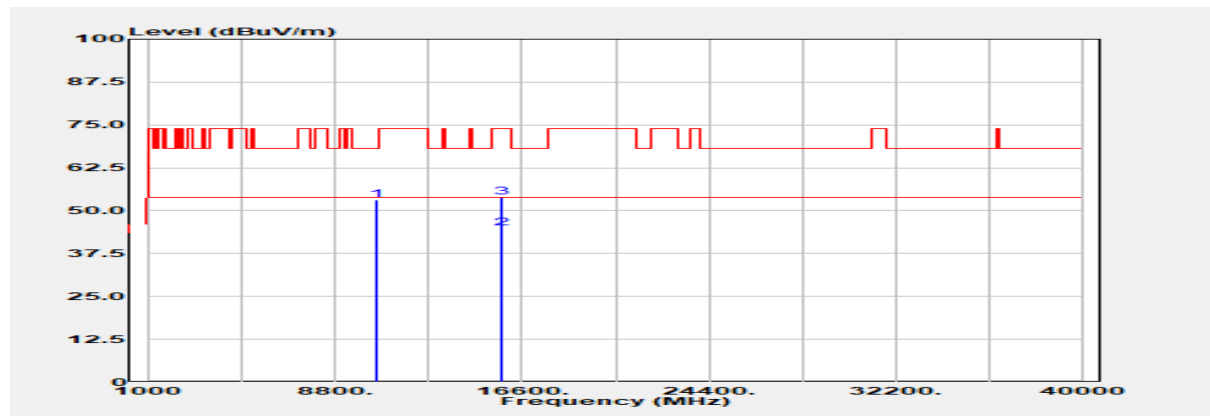
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.000	Peak	29.50	23.52	53.01	68.20	-15.19
15780.000	Average	20.12	24.82	44.94	54.00	-9.06
15780.000	Peak	29.14	24.82	53.96	74.00	-20.04

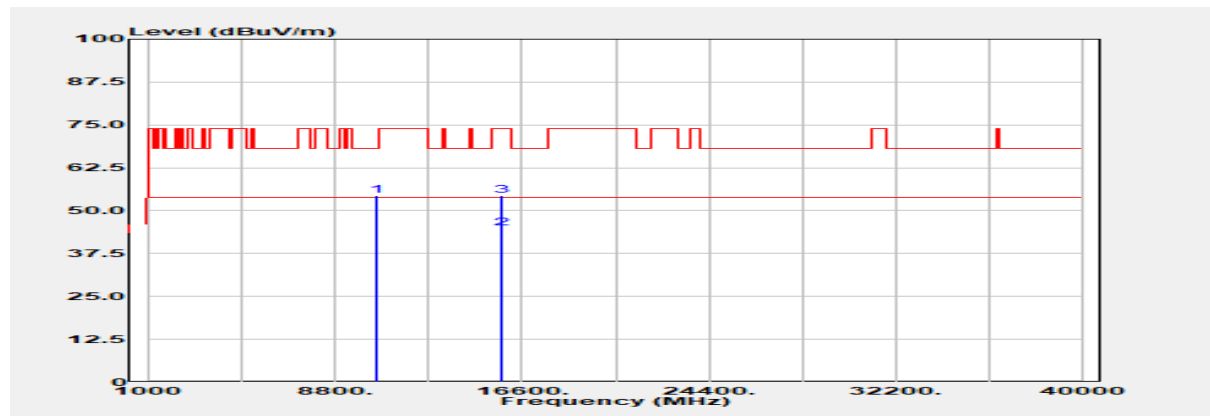
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5260 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10520.000	Peak	30.80	23.52	54.31	68.20	-13.89
15780.000	Average	20.13	24.82	44.95	54.00	-9.05
15780.000	Peak	29.54	24.82	54.37	74.00	-19.63

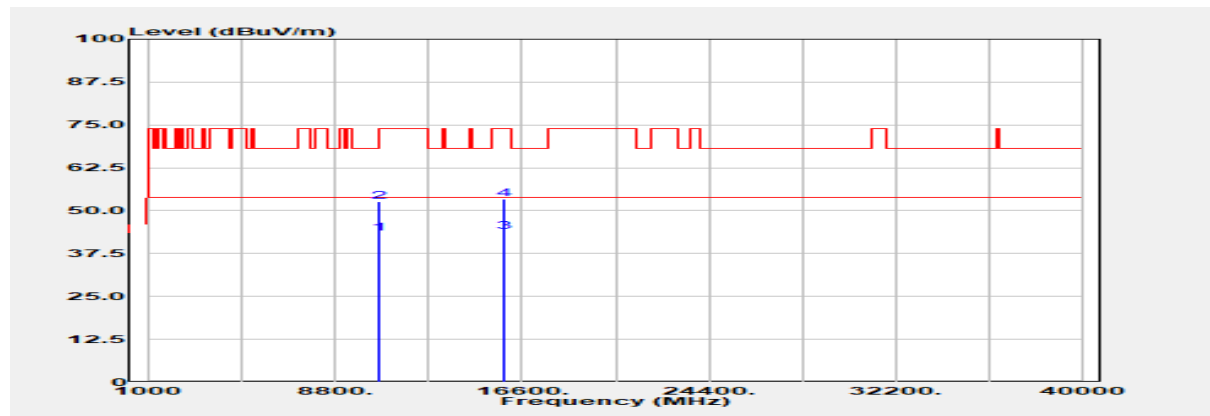
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Average	20.19	23.11	43.30	54.00	-10.70
10600.000	Peak	29.44	23.11	52.56	74.00	-21.44
15900.000	Average	20.07	23.84	43.91	54.00	-10.09
15900.000	Peak	29.55	23.84	53.38	74.00	-20.62

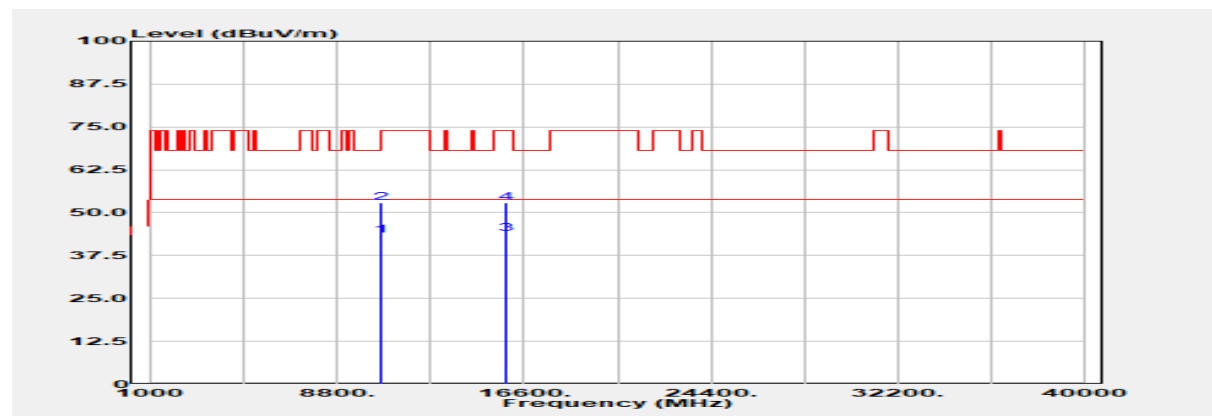
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5300 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10600.000	Average	20.19	23.11	43.30	54.00	-10.70
10600.000	Peak	29.71	23.11	52.83	74.00	-21.17
15900.000	Average	20.14	23.84	43.98	54.00	-10.02
15900.000	Peak	29.16	23.84	53.00	74.00	-21.00

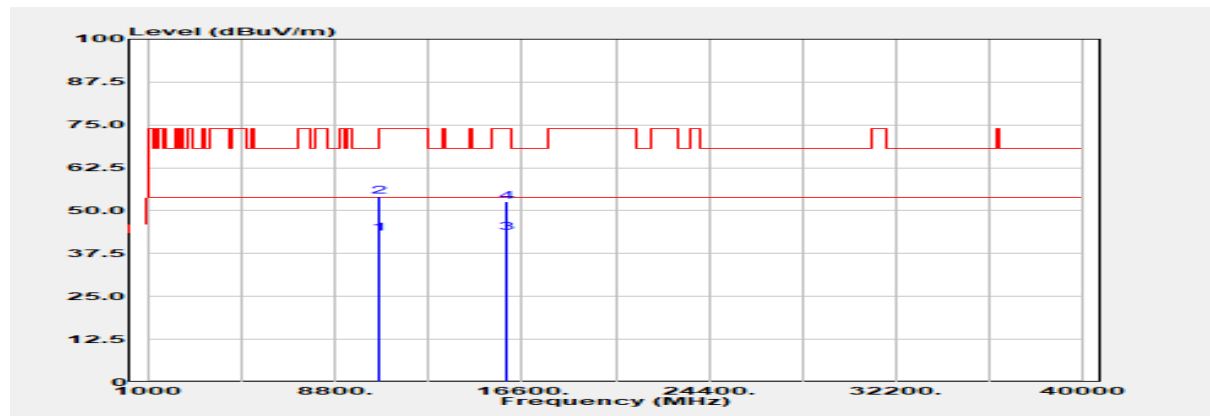
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5320 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	20.23	23.12	43.35	54.00	-10.65
10640.000	Peak	30.93	23.12	54.05	74.00	-19.95
15960.000	Average	20.11	23.43	43.54	54.00	-10.46
15960.000	Peak	29.12	23.43	52.54	74.00	-21.46

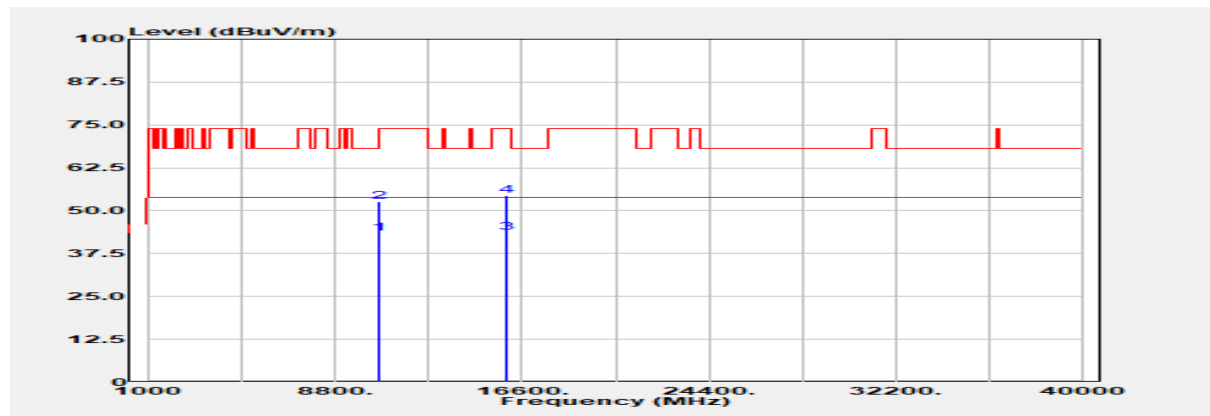
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 2
 Test Frequency :5320 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



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	20.31	23.12	43.43	54.00	-10.57
10640.000	Peak	29.43	23.12	52.55	74.00	-21.45
15960.000	Average	20.06	23.43	43.49	54.00	-10.51
15960.000	Peak	30.91	23.43	54.33	74.00	-19.67

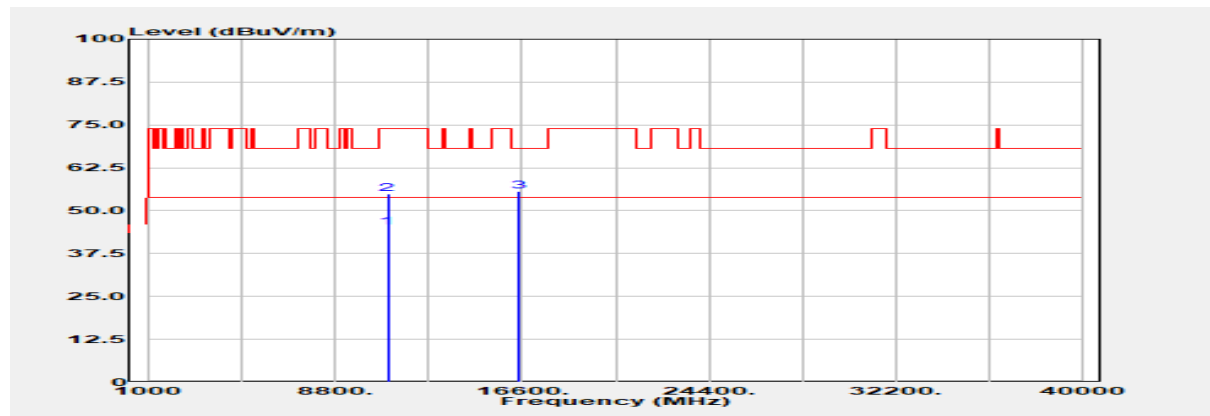
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5500 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



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	20.26	24.74	45.00	54.00	-9.00
11000.000	Peak	30.15	24.74	54.89	74.00	-19.11
16500.000	Peak	29.61	26.06	55.67	68.20	-12.53

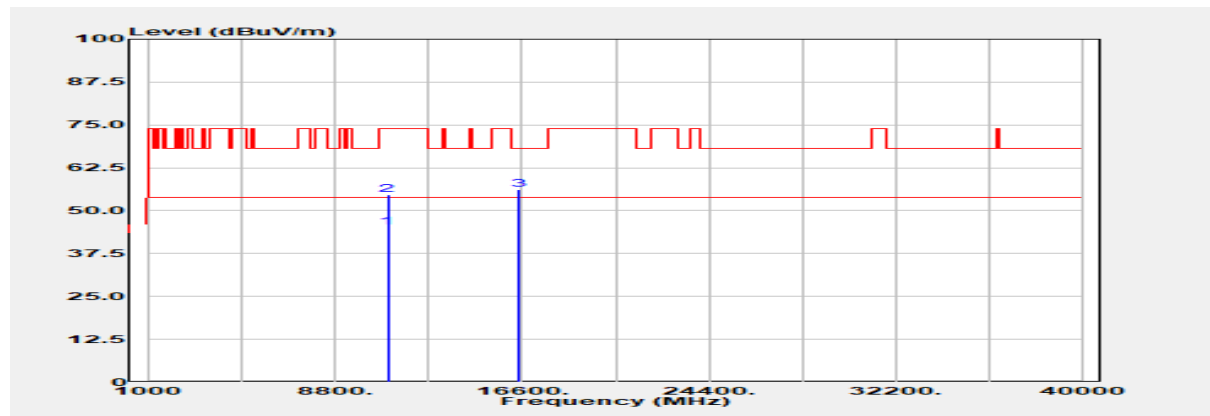
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Report Number :E2/2021/60094
Operation Mode :802.11n20 / Band 3
Test Frequency :5500 MHz
Test Mode :TX CH LOW
EUT Pol :H Plane

Test Site :966 Chamber C
Test Date :2021-07-08
Temp./Humi. :24.7/55
Antenna Pol. :Horizontal
Engineer :Enzo Chang



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	20.28	24.74	45.02	54.00	-8.98
11000.000	Peak	29.92	24.74	54.66	74.00	-19.34
16500.000	Peak	30.14	26.06	56.20	68.20	-12.00

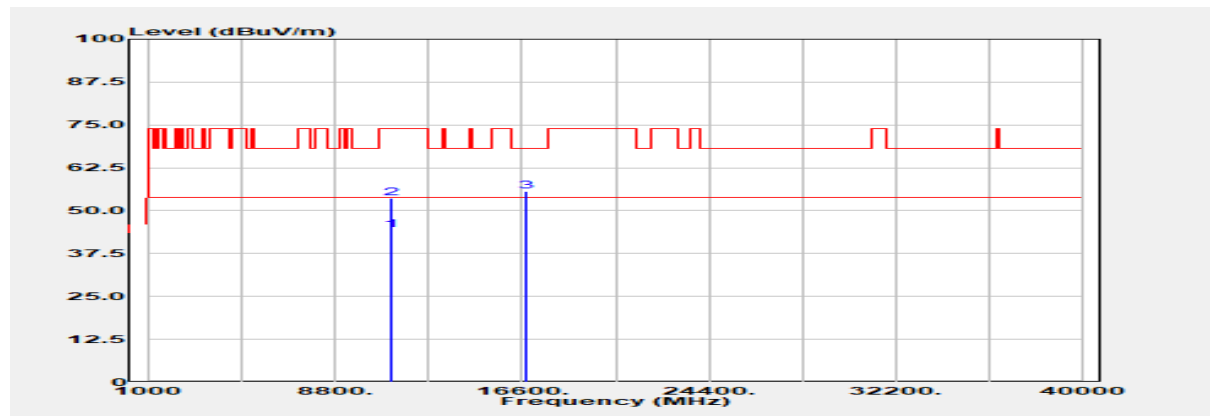
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.000	Average	20.25	24.01	44.26	54.00	-9.74
11160.000	Peak	29.62	24.01	53.63	74.00	-20.37
16740.000	Peak	29.57	26.11	55.67	68.20	-12.53

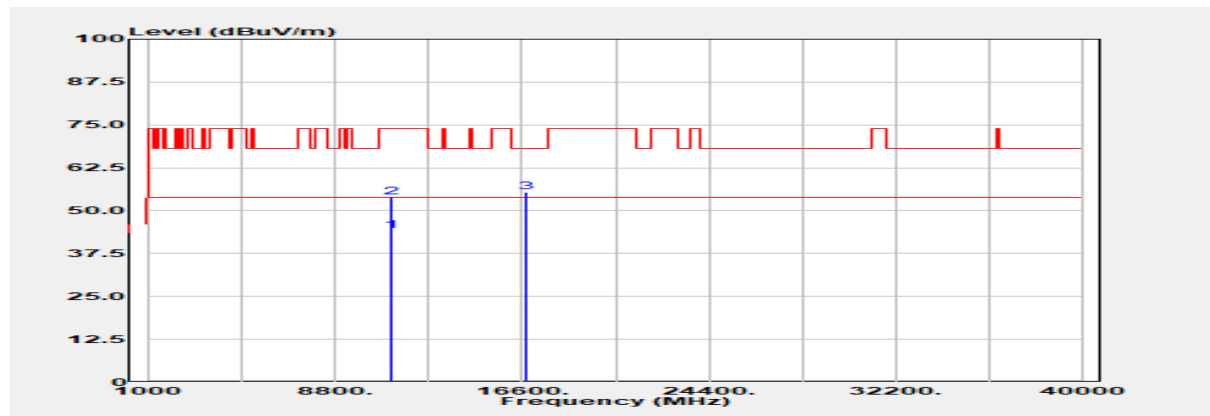
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5580 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11160.000	Average	20.16	24.01	44.17	54.00	-9.83
11160.000	Peak	29.91	24.01	53.92	74.00	-20.08
16740.000	Peak	29.32	26.11	55.43	68.20	-12.77

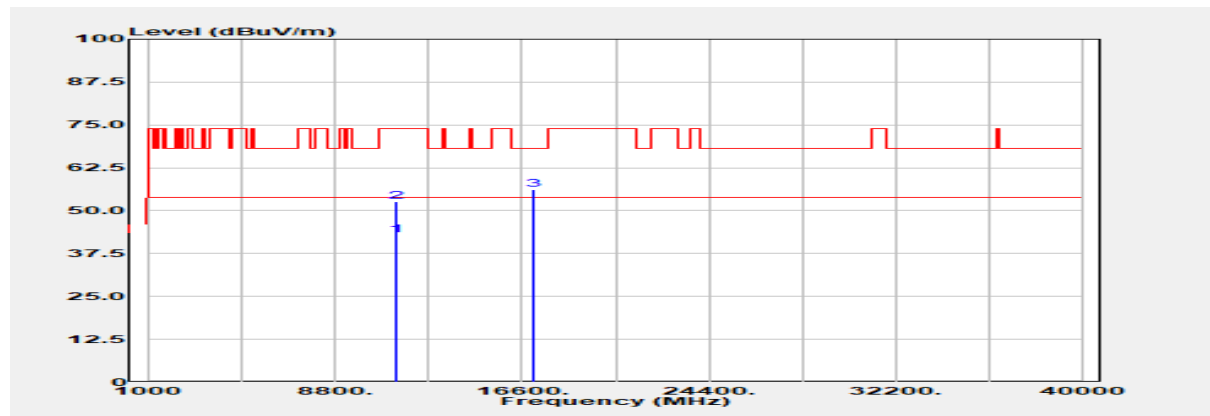
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	20.17	22.73	42.90	54.00	-11.10
11400.000	Peak	30.02	22.73	52.76	74.00	-21.24
17100.000	Peak	30.18	25.93	56.11	68.20	-12.09

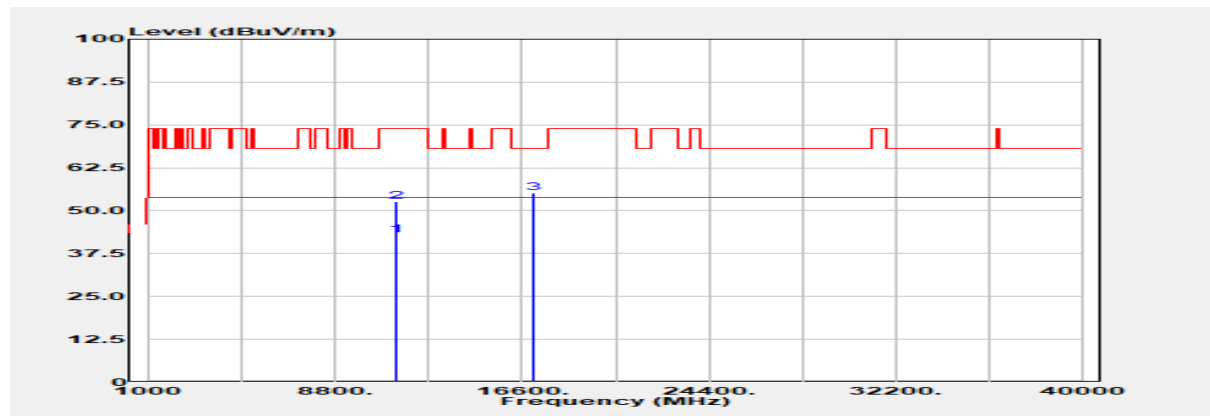
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 3
 Test Frequency :5700 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11400.000	Average	20.24	22.73	42.97	54.00	-11.03
11400.000	Peak	29.92	22.73	52.66	74.00	-21.34
17100.000	Peak	29.31	25.93	55.24	68.20	-12.96

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Report Number :E2/2021/60094

Test Site :966 Chamber C

Operation Mode :802.11n20 / Band 3-4

Test Date :2021-07-08

Test Frequency :5720 MHz

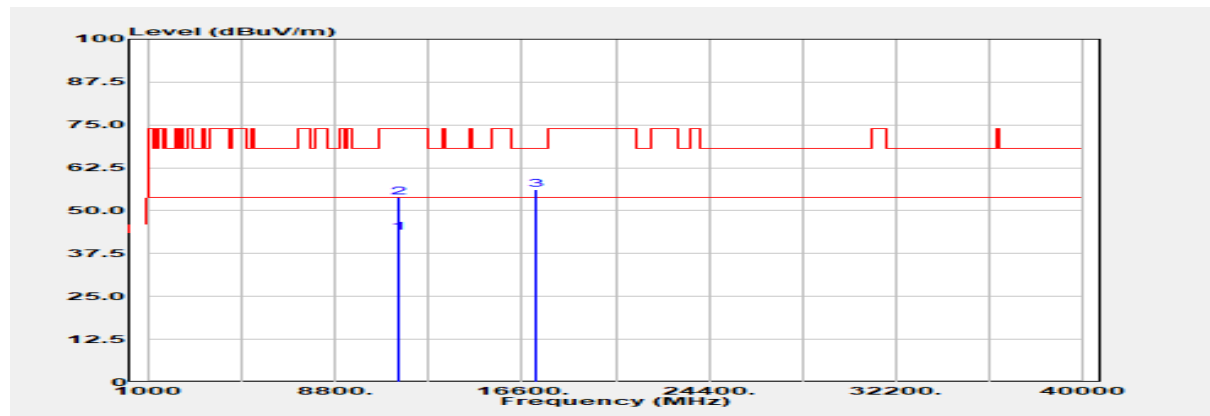
Temp./Humi. :24.7/55

Test Mode :TX CH 144

Antenna Pol. :Vertical

EUT Pol :H Plane

Engineer :Enzo Chang



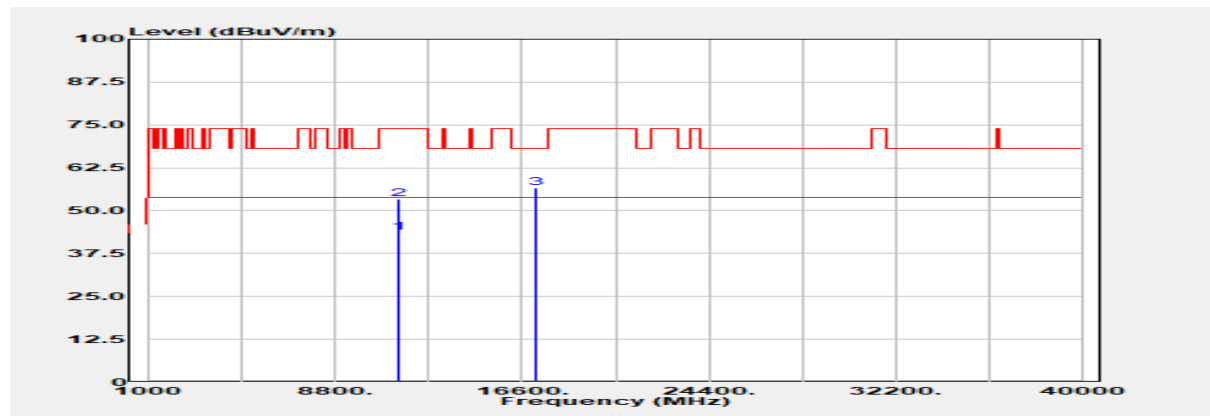
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.000	Average	20.23	23.40	43.63	54.00	-10.37
11440.000	Peak	30.46	23.40	53.86	74.00	-20.14
17160.000	Peak	29.86	26.22	56.08	68.20	-12.12

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Report Number	:E2/2021/60094	Test Site	:966 Chamber C
Operation Mode	:802.11n20 / Band 3-4	Test Date	:2021-07-08
Test Frequency	:5720 MHz	Temp./Humi.	:24.7/55
Test Mode	:TX CH 144	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11440.000	Average	20.26	23.40	43.66	54.00	-10.34
11440.000	Peak	29.93	23.40	53.33	74.00	-20.67
17160.000	Peak	30.40	26.22	56.61	68.20	-11.59

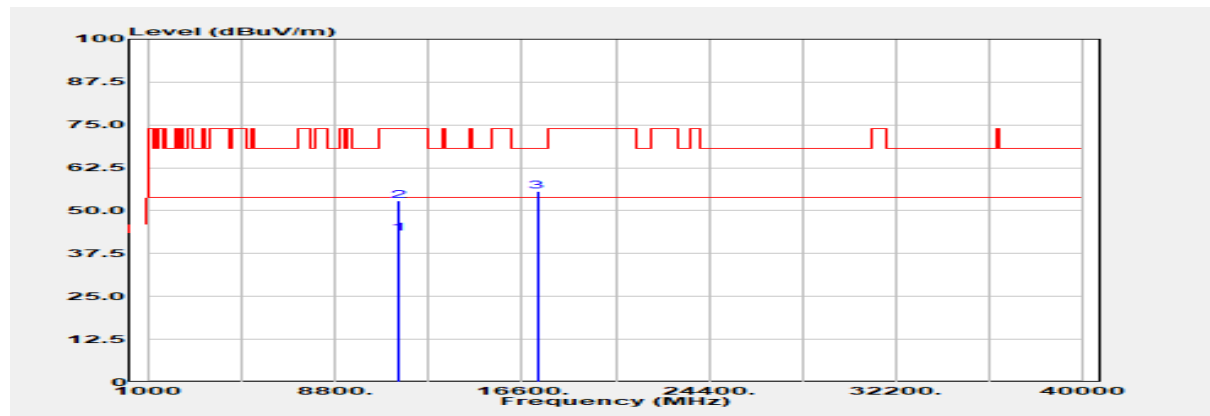
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.000	Average	20.19	23.20	43.39	54.00	-10.61
11490.000	Peak	29.70	23.20	52.90	74.00	-21.10
17235.000	Peak	28.98	26.56	55.55	68.20	-12.65

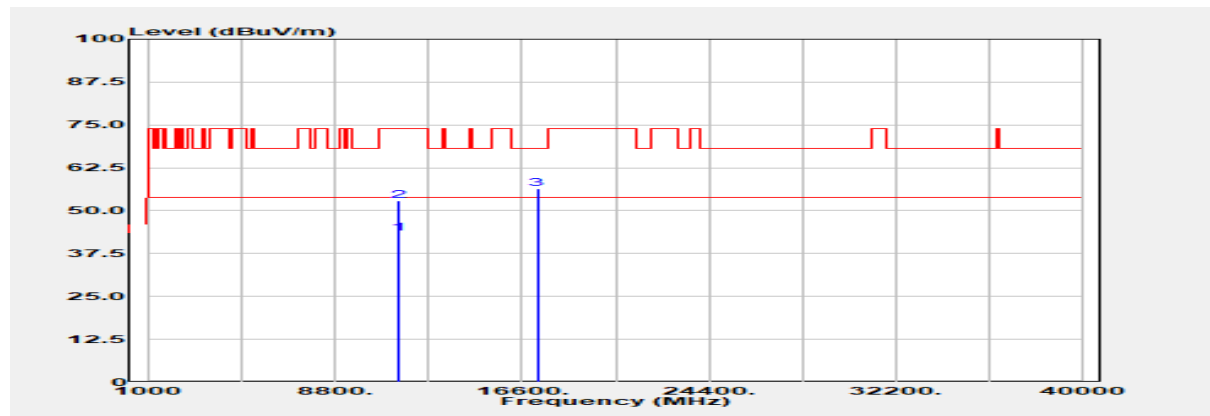
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5745 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11490.000	Average	20.15	23.20	43.35	54.00	-10.65
11490.000	Peak	29.64	23.20	52.84	74.00	-21.16
17235.000	Peak	29.79	26.56	56.35	68.20	-11.85

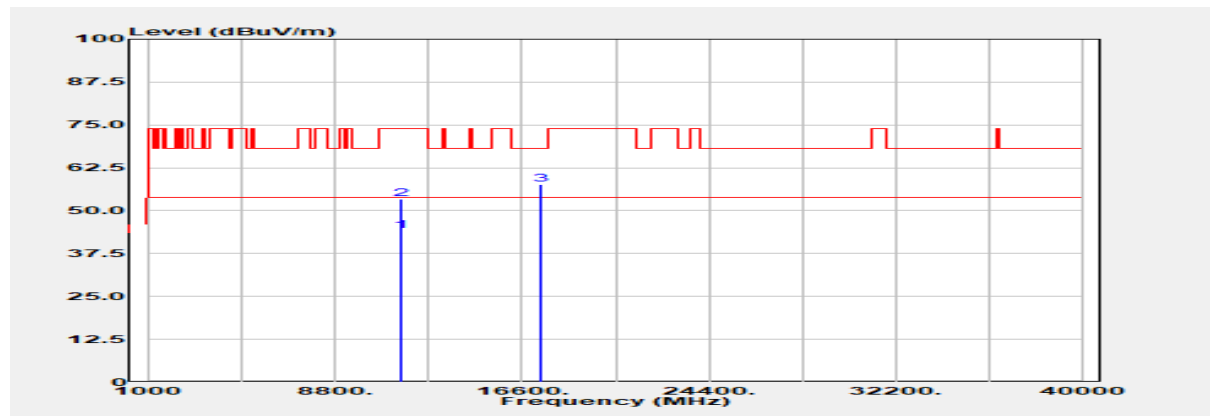
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.000	Average	20.27	23.93	44.20	54.00	-9.80
11570.000	Peak	29.49	23.93	53.42	74.00	-20.58
17355.000	Peak	29.76	27.97	57.73	68.20	-10.47

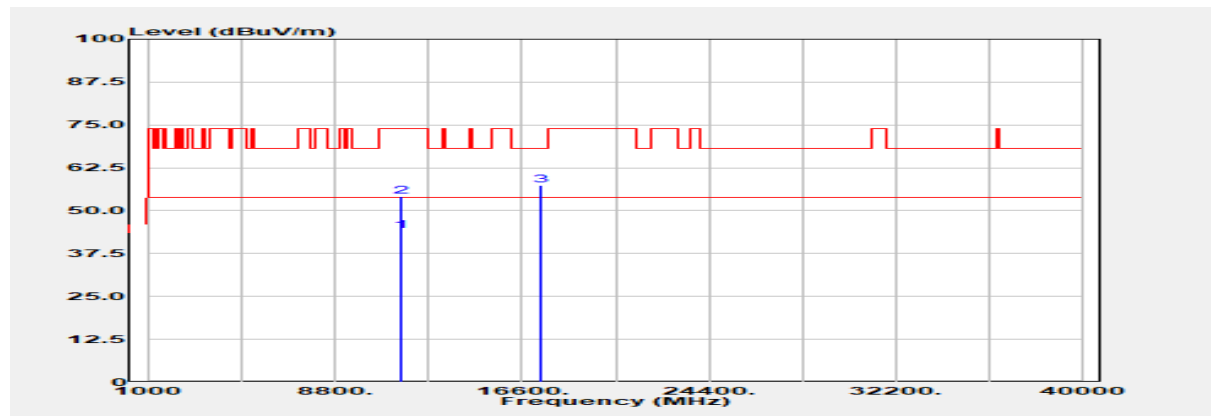
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5785 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11570.000	Average	20.18	23.93	44.11	54.00	-9.89
11570.000	Peak	30.20	23.93	54.14	74.00	-19.86
17355.000	Peak	29.37	27.97	57.34	68.20	-10.86

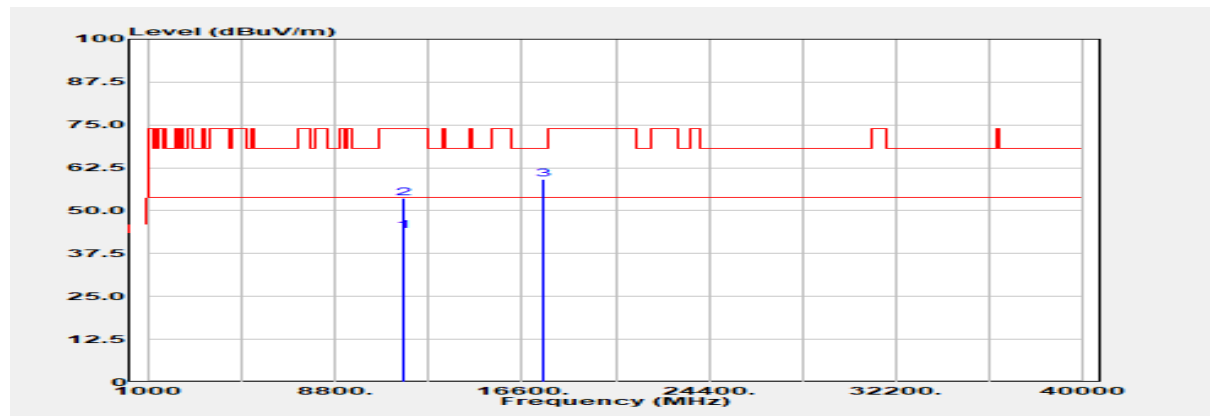
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5825 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Vertical
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	20.17	24.02	44.19	54.00	-9.81
11650.000	Peak	29.57	24.02	53.59	74.00	-20.41
17475.000	Peak	29.63	29.49	59.12	68.20	-9.08

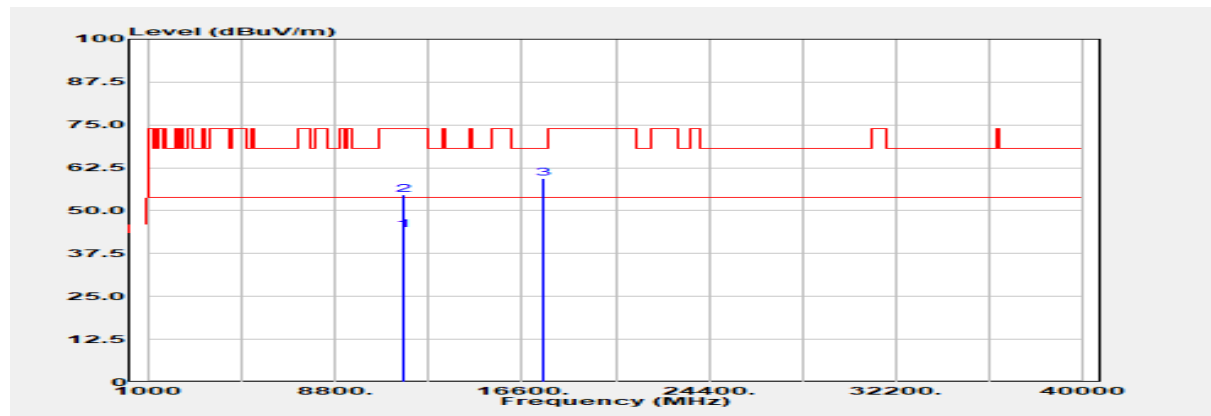
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Report Number :E2/2021/60094
 Operation Mode :802.11n20 / Band 4
 Test Frequency :5825 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.7/55
 Antenna Pol. :Horizontal
 Engineer :Enzo Chang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
11650.000	Average	20.26	24.02	44.28	54.00	-9.72
11650.000	Peak	30.51	24.02	54.53	74.00	-19.47
17475.000	Peak	30.01	29.49	59.50	68.20	-8.70

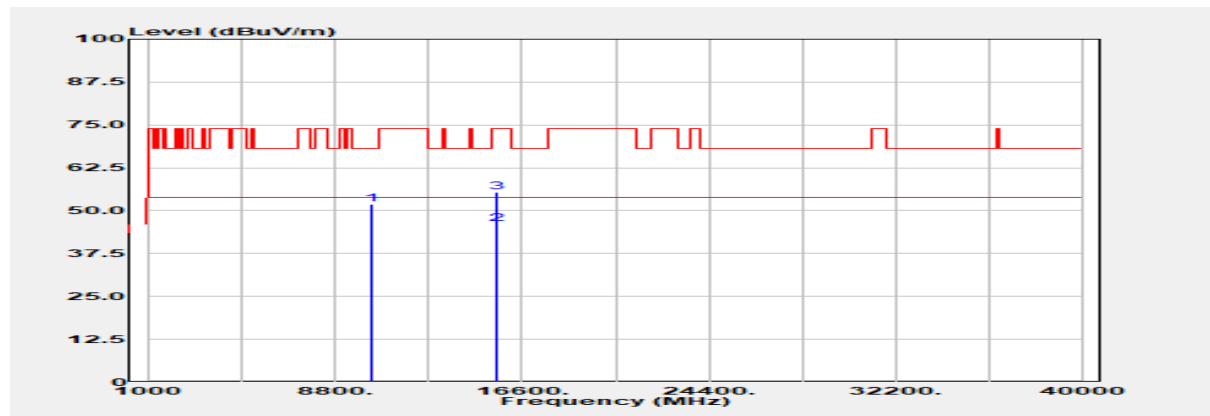
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Report Number :E2/2021/60094
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5190 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.2/53
 Antenna Pol. :Vertical
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10380.000	Peak	29.14	22.75	51.89	68.20	-16.31
15570.000	Average	20.33	25.78	46.11	54.00	-7.89
15570.000	Peak	29.73	25.78	55.51	74.00	-18.49

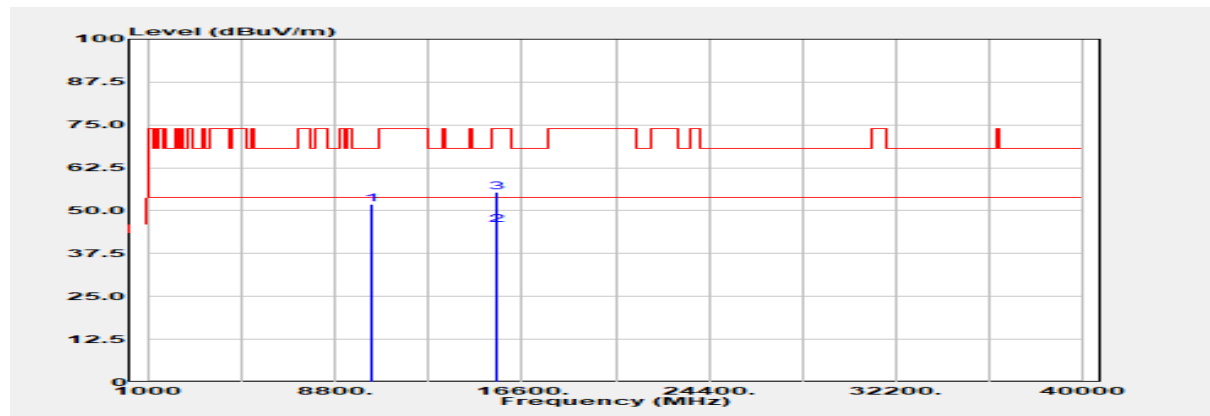
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Report Number :E2/2021/60094
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5190 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.2/53
 Antenna Pol. :Horizontal
 Engineer :Ashton Chiu



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	29.13	22.75	51.88	68.20	-16.32
15570.000	Average	20.08	25.78	45.86	54.00	-8.14
15570.000	Peak	29.63	25.78	55.41	74.00	-18.59

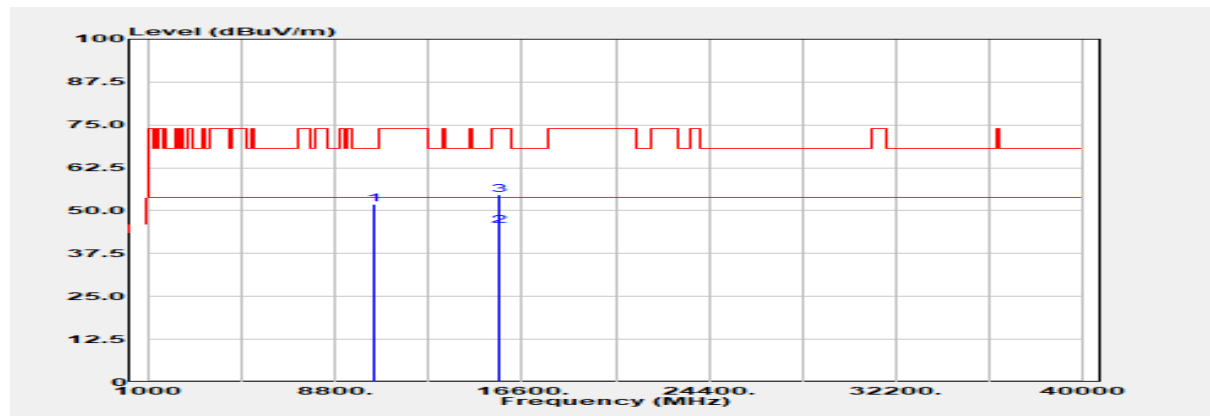
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Report Number :E2/2021/60094
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5230 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.2/53
 Antenna Pol. :Vertical
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10460.000	Peak	29.31	22.69	51.99	68.20	-16.21
15690.000	Average	20.19	25.34	45.53	54.00	-8.47
15690.000	Peak	29.41	25.34	54.74	74.00	-19.26

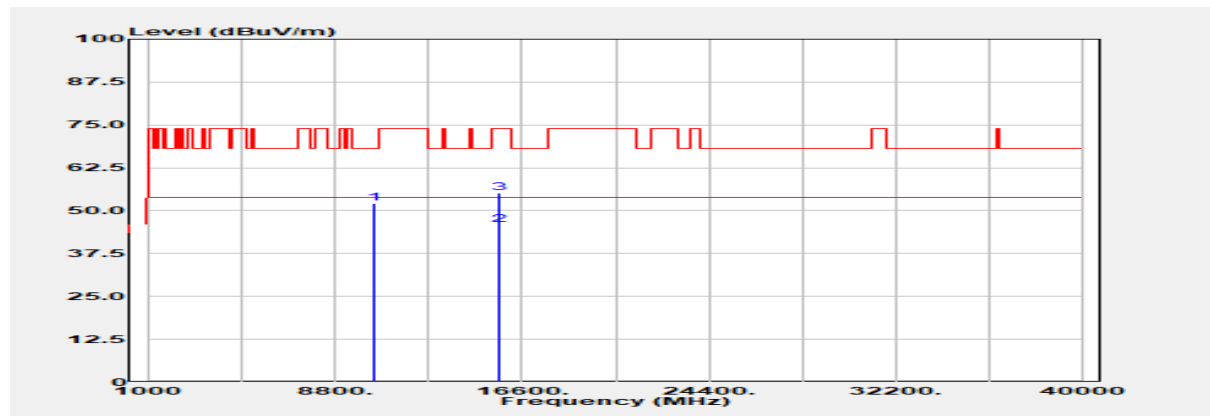
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Report Number :E2/2021/60094
 Operation Mode :802.11n40 / Band 1
 Test Frequency :5230 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.2/53
 Antenna Pol. :Horizontal
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBUV	Factor dB	Actual FS dBUV/m	Limit @3m dBUV/m	Margin dB
10460.000	Peak	29.54	22.69	52.22	68.20	-15.98
15690.000	Average	20.49	25.34	45.83	54.00	-8.17
15690.000	Peak	29.80	25.34	55.13	74.00	-18.87

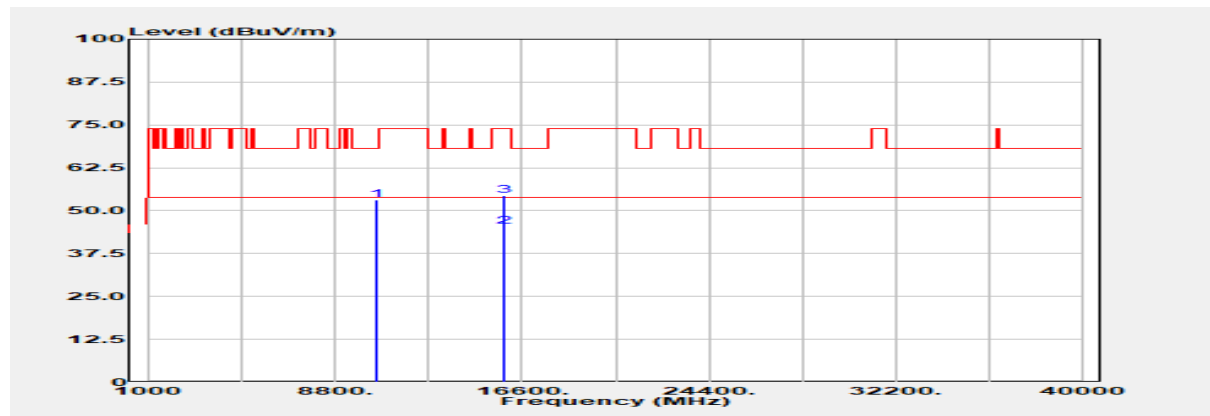
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Report Number :E2/2021/60094
 Operation Mode :802.11n40 / Band 2
 Test Frequency :5270 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.2/53
 Antenna Pol. :Vertical
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10540.000	Peak	29.78	23.34	53.12	68.20	-15.08
15810.000	Average	20.70	24.73	45.43	54.00	-8.57
15810.000	Peak	29.60	24.73	54.33	74.00	-19.67

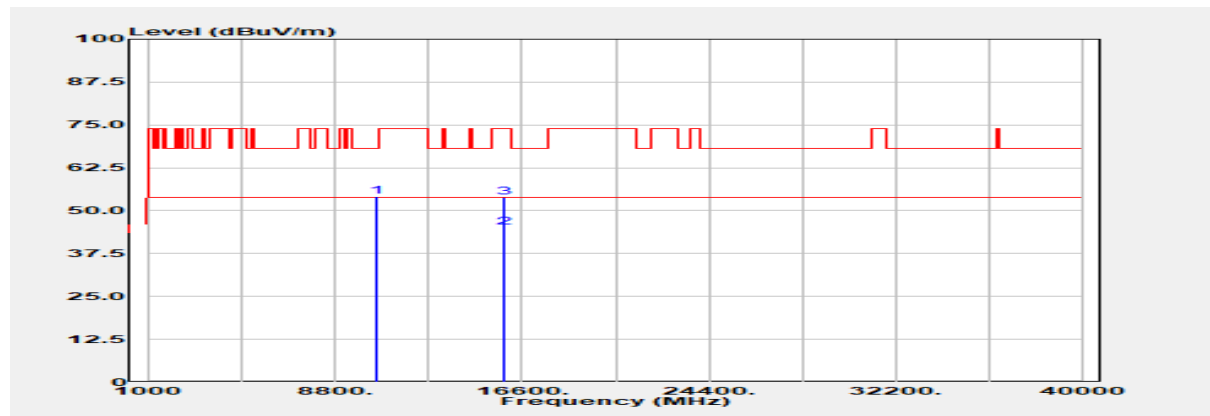
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Report Number :E2/2021/60094
 Operation Mode :802.11n40 / Band 2
 Test Frequency :5270 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber C
 Test Date :2021-07-08
 Temp./Humi. :24.2/53
 Antenna Pol. :Horizontal
 Engineer :Ashton Chiu



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
10540.000	Peak	30.73	23.34	54.07	68.20	-14.13
15810.000	Average	20.28	24.73	45.01	54.00	-8.99
15810.000	Peak	29.11	24.73	53.84	74.00	-20.16

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