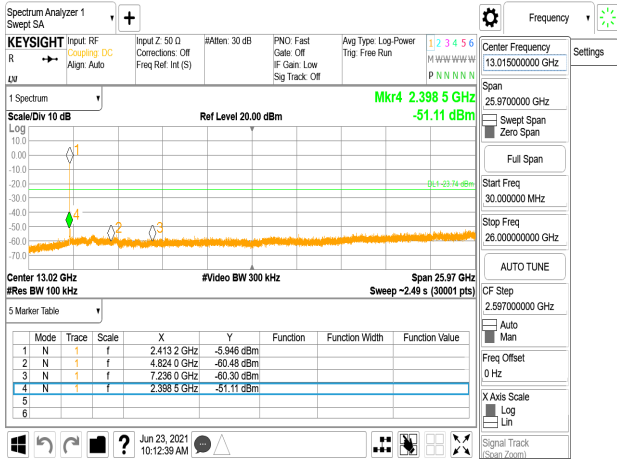
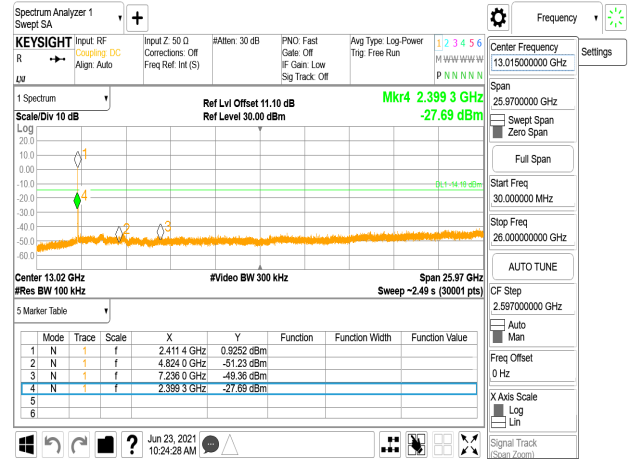


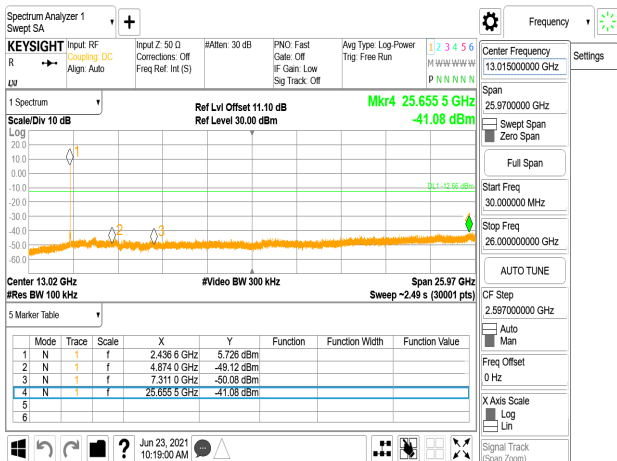
Spurious_Emission 802.11b_20MHz_Chain0_2412MHz



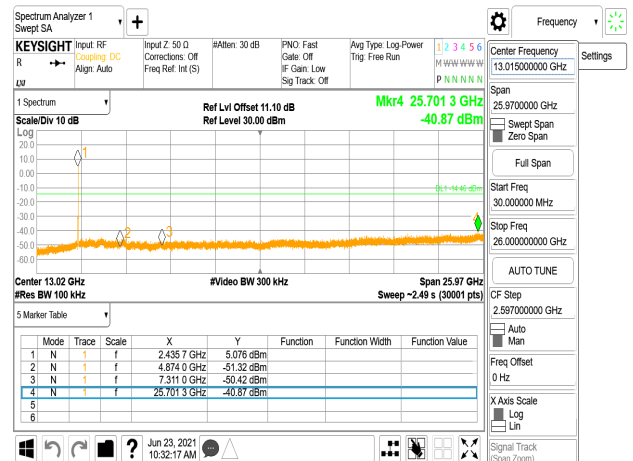
802.11g_20MHz_Chain0_2412MHz



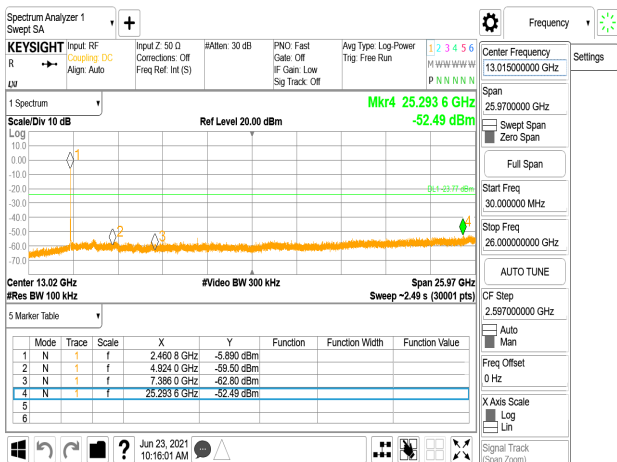
802.11b_20MHz_Chain0_2437MHz



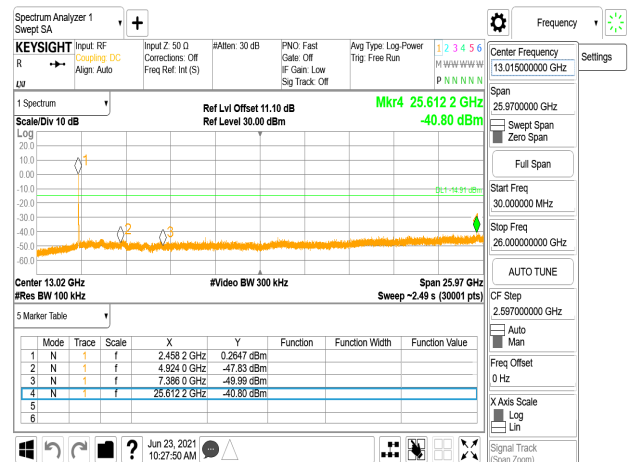
802.11g_20MHz_Chain0_2437MHz



802.11b_20MHz_Chain0_2462MHz



802.11g_20MHz_Chain0_2462MHz



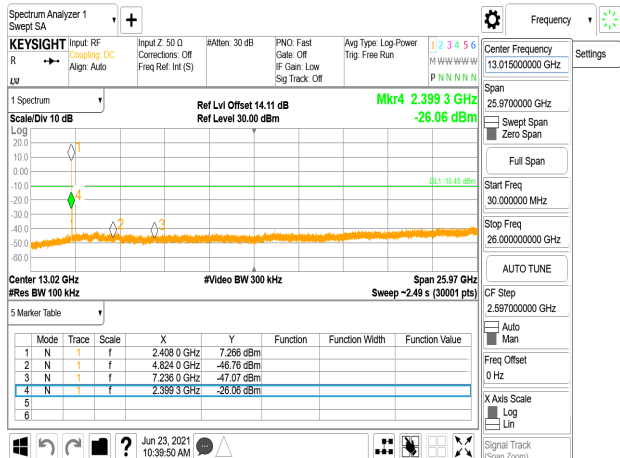
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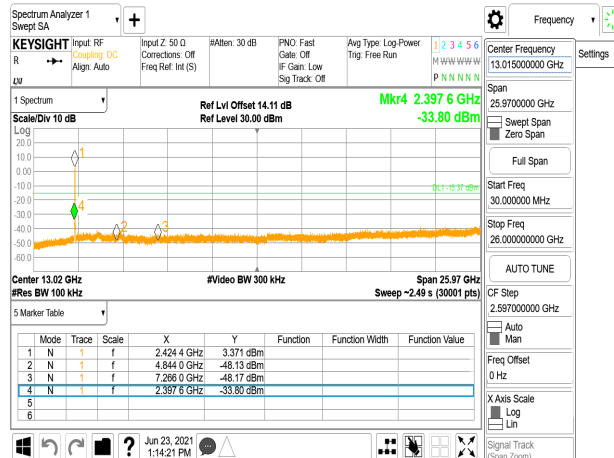
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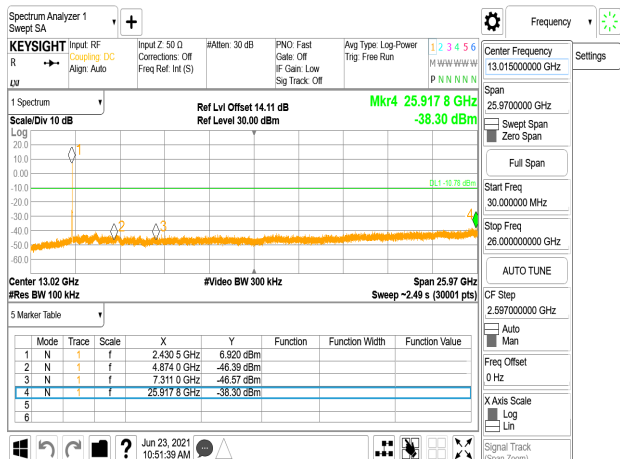
802.11n_20MHz_Chain0_2412MHz



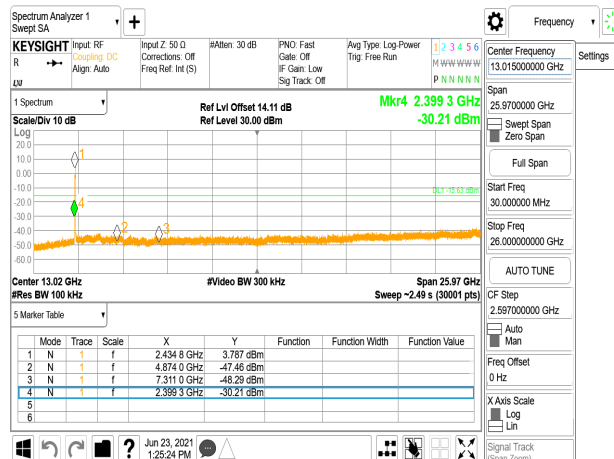
802.11n_40MHz_Chain0_2422MHz



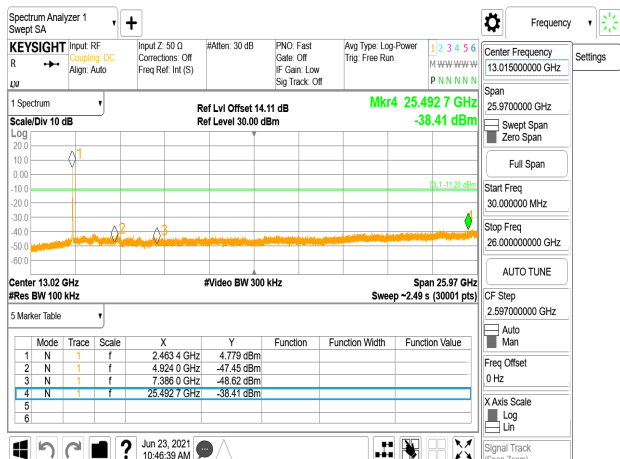
802.11n_20MHz_Chain0_2437MHz



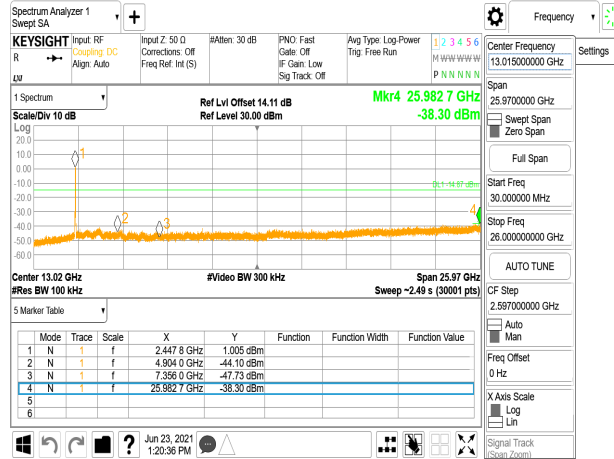
802.11n_40MHz_Chain0_2437MHz



802.11n_20MHz_Chain0_2462MHz



802.11n_40MHz_Chain0_2452MHz



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11 RADIATED BANDEGE AND SPURIOUS EMISSION MEASUREMENT

11.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

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

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

Note:

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

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11.2 Measurement Equipment Used:

Radiated Emission Test Site: SAC G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	SCHWAZBECK	VULB 9168	1206	02/22/2021	02/21/2022
Horn Antenna	Schwarzbeck	DRH18-E	210105A18E	04/09/2021	04/08/2022
Horn Antenna	Schwarzbeck	BBHA9170	185	07/30/2020	07/29/2021
Loop Antenna	ETS.LINDGREN	6502	143303	05/07/2021	05/06/2022
3m Site NSA	SGS	966 chamber G	N/A	03/30/2021	03/29/2022
Spectrum Analyzer	KEYSIGHT	N9010A	MY57120290	04/06/2021	04/05/2022
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/19/2020	11/18/2021
Pre-Amplifier	EMC Instruments	EMC330N	980781	03/15/2021	03/14/2022
Pre-Amplifier	EMC Instruments	EMC118A45SE	980815	03/15/2021	03/14/2022
Attenuator	Marvelous	MVE2213-30	RF04	11/19/2020	11/18/2021
High Pass Filter	R&S	F13 HPF 3GHz	RF175	11/19/2020	11/18/2021
Lowpass Filter	Woken	EWT-56-0019	RF173	11/19/2020	11/18/2021
High Pass Filter	R&S	HPF7.0	RF176	11/19/2020	11/18/2021
Notch Filter	Woken	EWT-54-0037	RF204	11/19/2020	11/18/2021
Coaxial Cable	Huber+Suhner	RG 214/U	W21.01	11/19/2020	11/18/2021
Coaxial Cable	EMC Instruments	EMC104-SM-SM-8000-5000-5000	210219 、 210220 、 210221	03/15/2021	03/14/2022
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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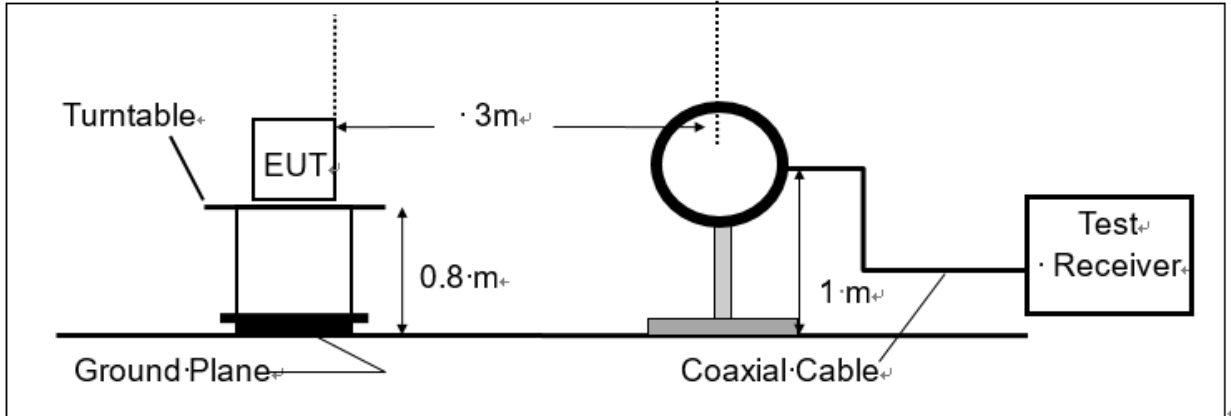
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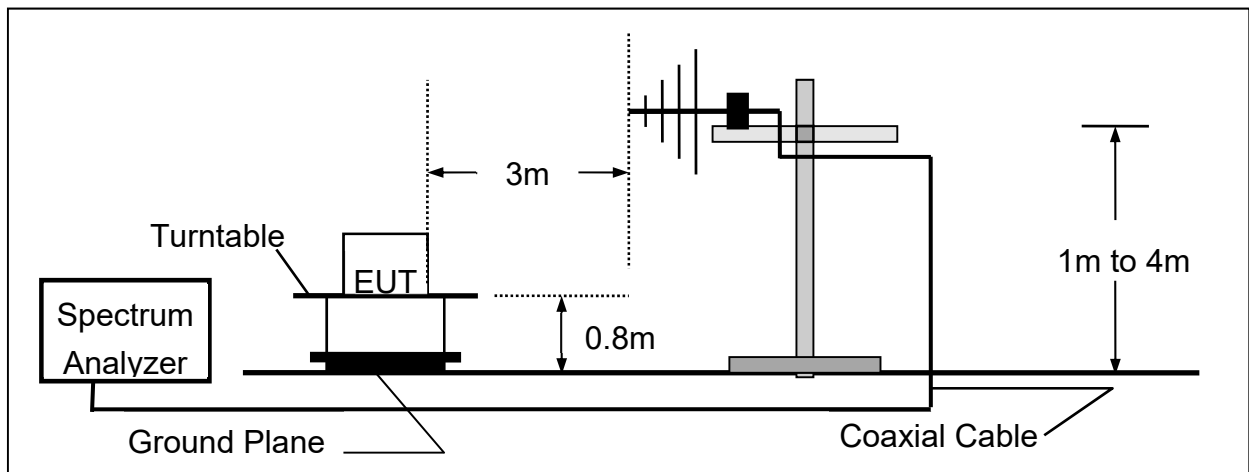
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11.3 Test SET-UP

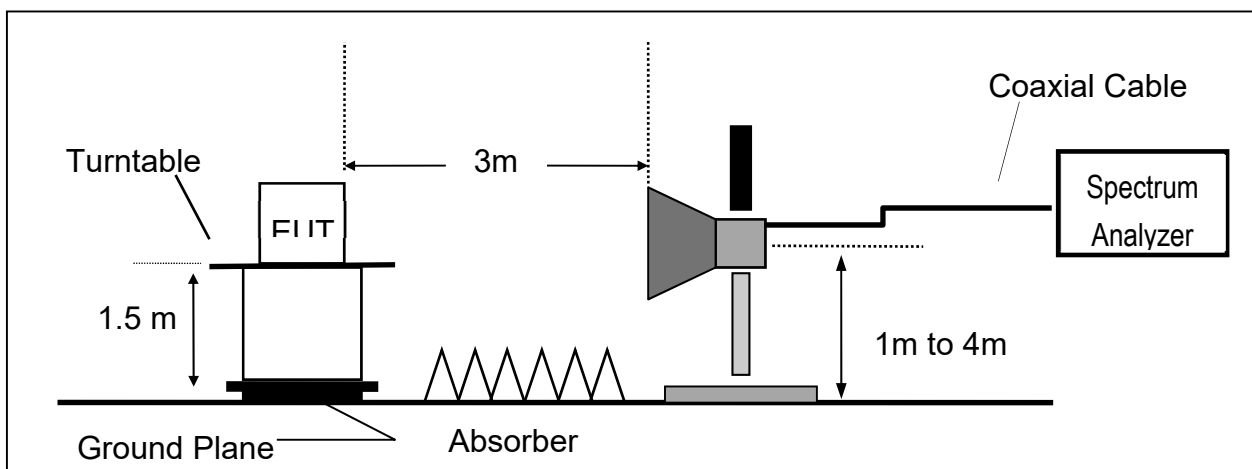
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(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 the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
5. 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.
6. Set the spectrum analyzer as RBW=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
7. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
8. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
9. Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.
10. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
11. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
12. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
13. Repeat above procedures until all default test channel 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.

11.7 Measurement Result

Note:

1. *Refer to next page spectrum analyzer data chart and tabular data sheets.*
2. *Measurements are completed at peak and average level, the mark of average is the highest emission in restricted bands*

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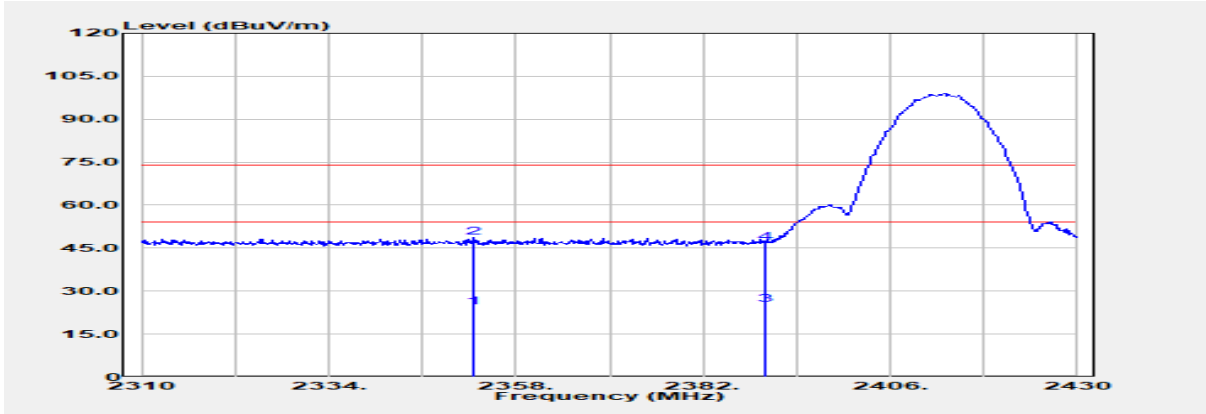
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11.7.1 Radiated Band Edge Measurement Result

Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11b	Test Date	:2021-06-23
Test Frequency	:2412 MHz	Temp./Humi.	:19.5/70
Test Mode	:BE CH LOW	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
2352.600	Average	28.05	-3.62	24.44	54.00	-29.56
2352.600	Peak	52.36	-3.62	48.74	74.00	-25.26
2390.000	Average	28.97	-3.80	25.17	54.00	-28.83
2390.000	Peak	50.65	-3.80	46.85	74.00	-27.15

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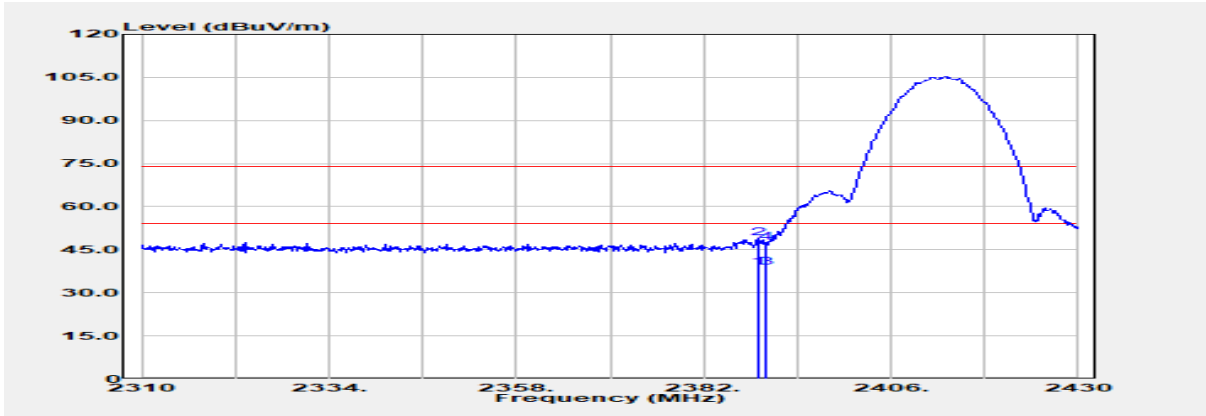
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Report Number :E2/2021/60025
Operation Mode :802.11b
Test Frequency :2412 MHz
Test Mode :BE CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-23
Temp./Humi. :19.5/70
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
2389.080	Average	42.50	-3.80	38.70	54.00	-15.30
2389.080	Peak	52.73	-3.80	48.94	74.00	-25.06
2390.000	Average	42.55	-3.80	38.75	54.00	-15.25
2390.000	Peak	51.28	-3.80	47.48	74.00	-26.52

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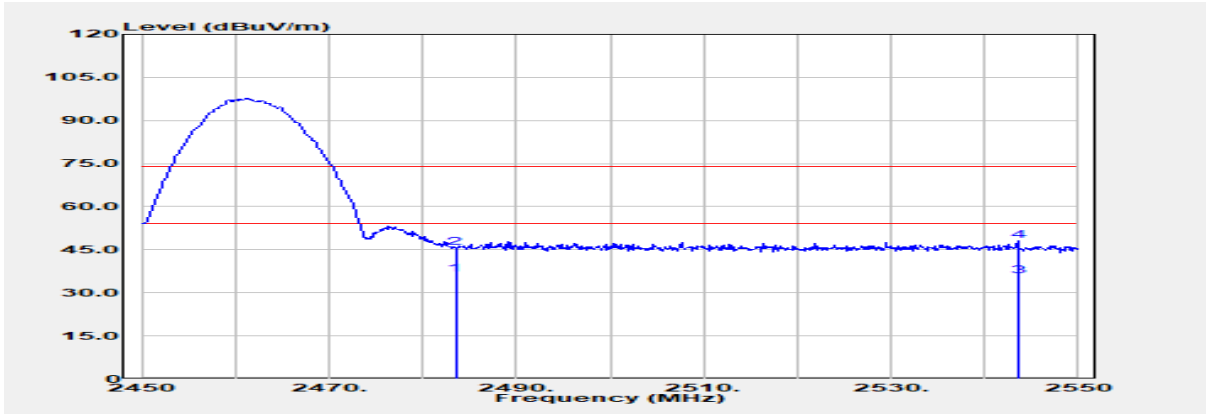
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Report Number :E2/2021/60025
Operation Mode :802.11b
Test Frequency :2462 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-23
Temp./Humi. :19.5/70
Antenna Pol. :Vertical
Engineer :Jack Tseng



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
2483.500	Average	40.27	-3.92	36.35	54.00	-17.65
2483.500	Peak	49.78	-3.92	45.86	74.00	-28.14
2543.500	Average	39.61	-3.92	35.69	54.00	-18.31
2543.500	Peak	52.14	-3.92	48.22	74.00	-25.78

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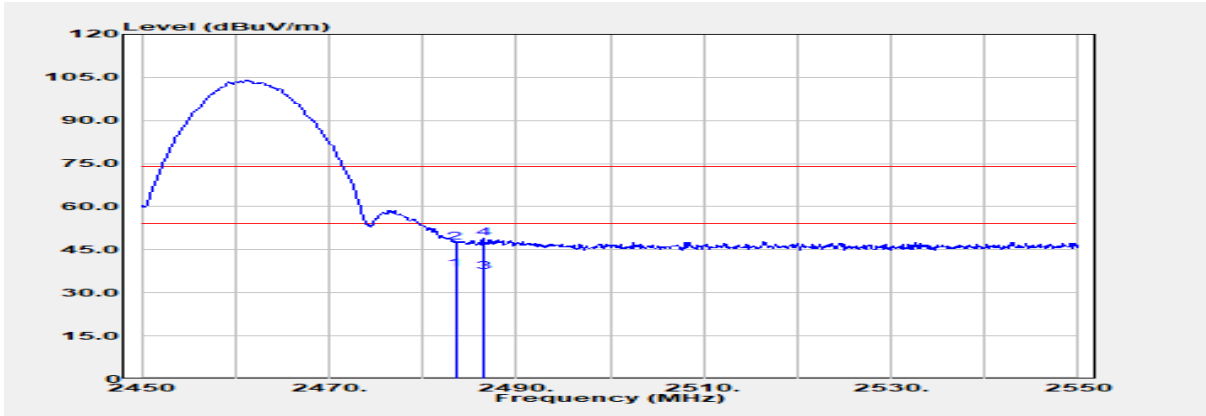
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Report Number :E2/2021/60025
 Operation Mode :802.11b
 Test Frequency :2462 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-23
 Temp./Humi. :19.5/70
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
2483.500	Average	42.19	-3.92	38.27	54.00	-15.73
2483.500	Peak	51.40	-3.92	47.48	74.00	-26.52
2486.400	Average	41.11	-3.90	37.20	54.00	-16.80
2486.400	Peak	53.05	-3.90	49.15	74.00	-24.85

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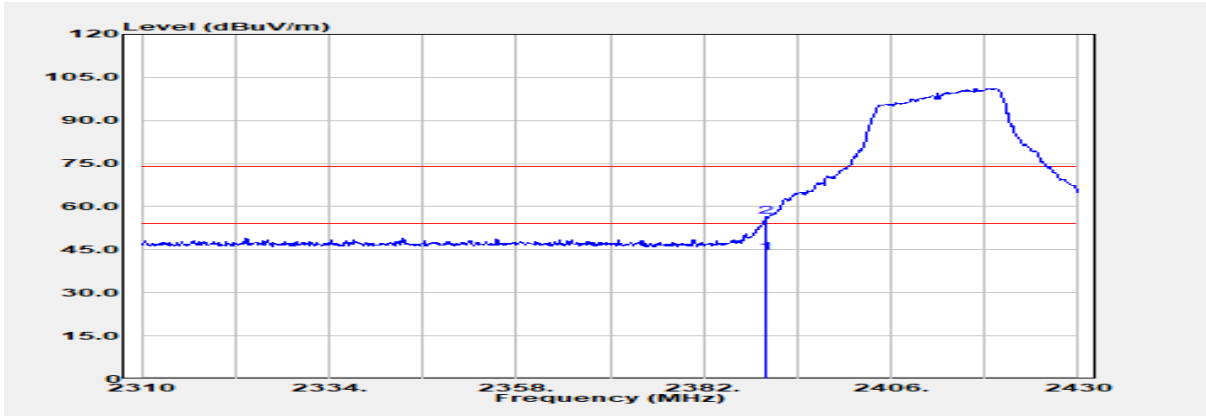
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Report Number :E2/2021/60025
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-23
 Temp./Humi. :19.5/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
2390.000	Average	47.72	-3.80	43.92	54.00	-10.08
2390.000	Peak	60.28	-3.80	56.47	74.00	-17.53

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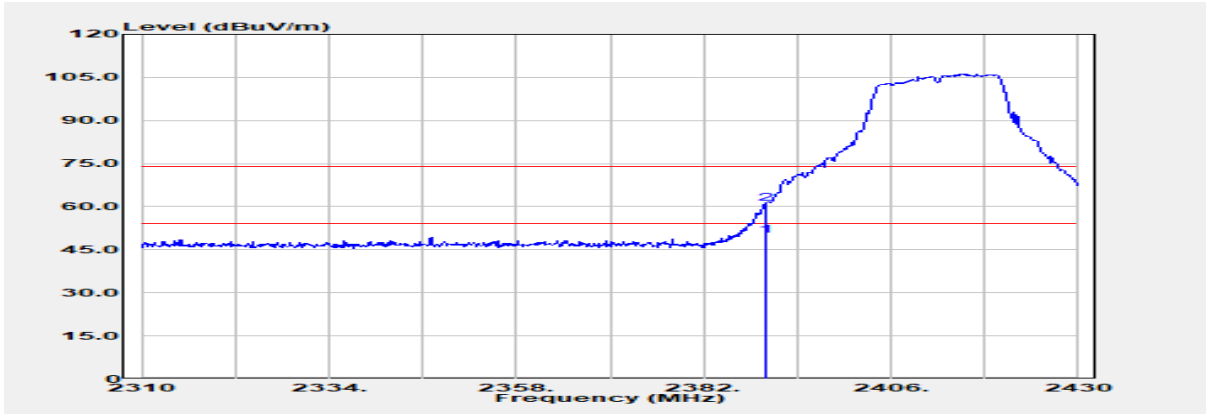
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Report Number :E2/2021/60025
Operation Mode :802.11g
Test Frequency :2412 MHz
Test Mode :BE CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-23
Temp./Humi. :19.5/70
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
2390.000	Average	53.83	-3.80	50.02	54.00	-3.98
2390.000	Peak	64.87	-3.80	61.07	74.00	-12.93

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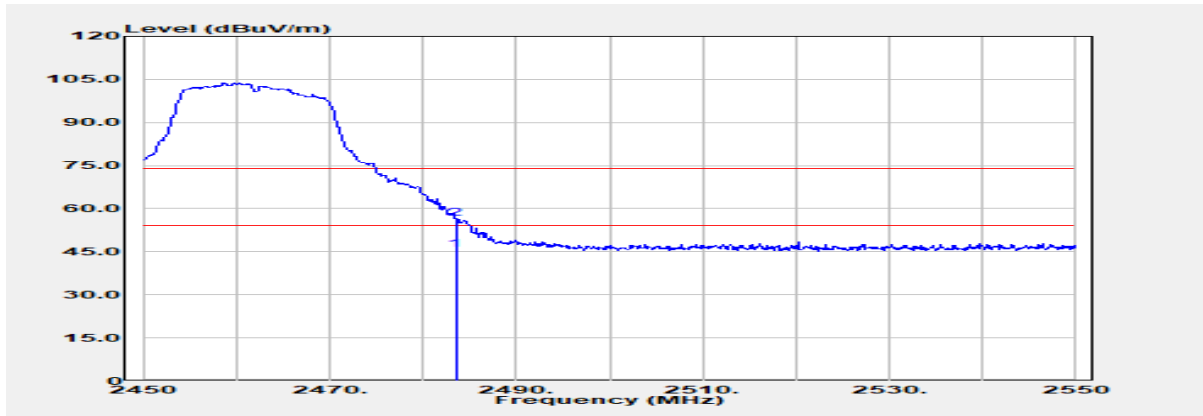
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Report Number :E2/2021/60025
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-23
 Temp./Humi. :19.5/70
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
2483.500	Average	49.73	-3.92	45.81	54.00	-8.19
2483.500	Peak	60.32	-3.92	56.40	74.00	-17.60

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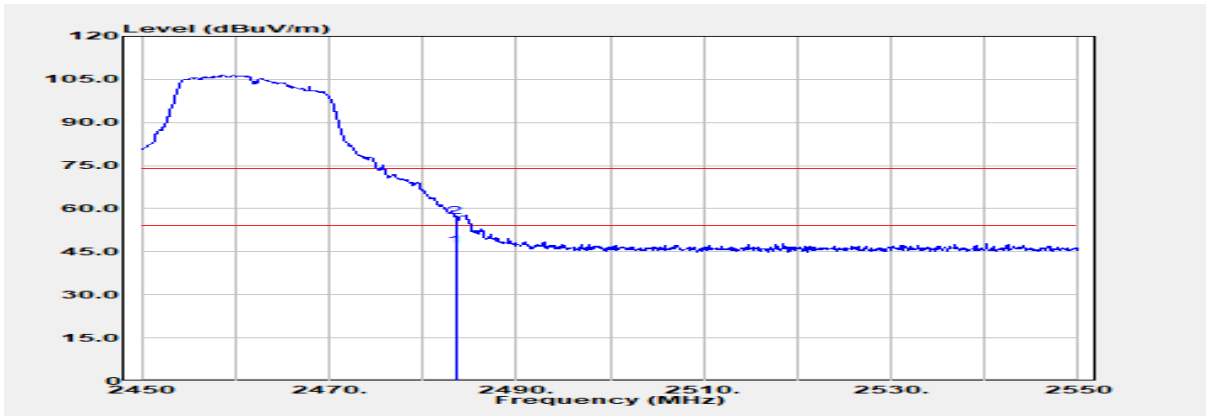
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Report Number :E2/2021/60025
Operation Mode :802.11g
Test Frequency :2462 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-23
Temp./Humi. :19.5/70
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
2483.500	Average	50.93	-3.92	47.01	54.00	-6.99
2483.500	Peak	61.21	-3.92	57.29	74.00	-16.71

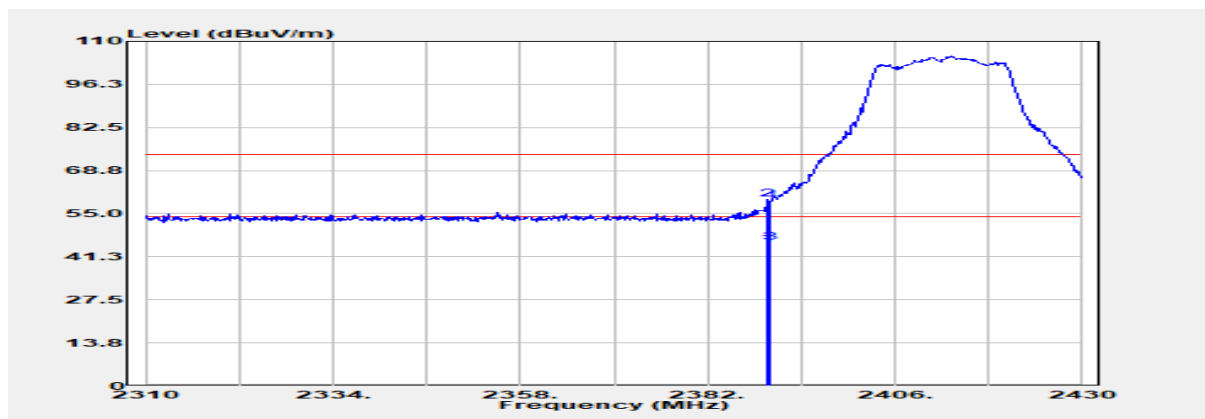
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11n20	Test Date	:2021-06-19
Test Frequency	:2412 MHz	Temp./Humi.	:21.2/55
Test Mode	:BE CH LOW	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
2389.800	Average	49.10	-3.80	45.30	54.00	-8.70
2389.800	Peak	63.45	-3.80	59.65	74.00	-14.35
2390.000	Average	49.44	-3.80	45.64	54.00	-8.36
2390.000	Peak	62.72	-3.80	58.92	74.00	-15.08

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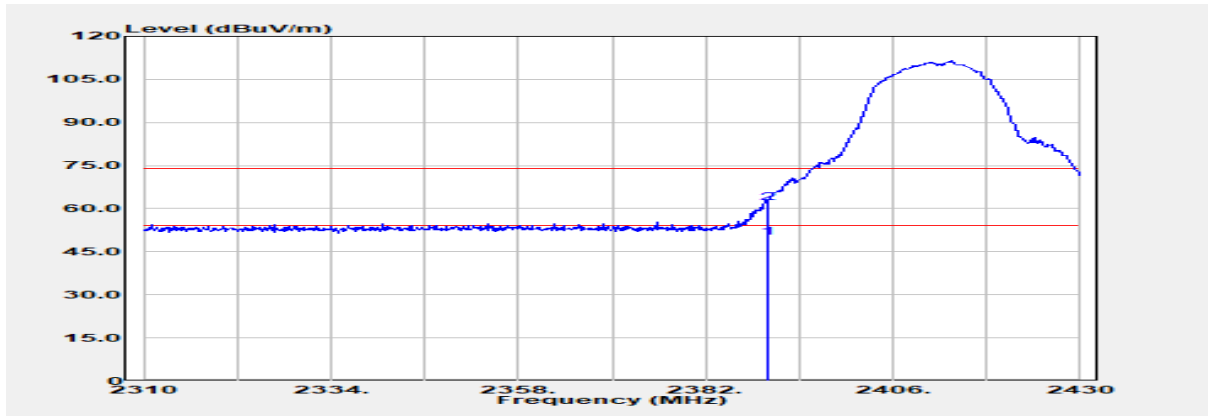
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Report Number :E2/2021/60025
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :BE CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :21.2/55
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
2390.000	Average	53.75	-3.80	49.94	54.00	-4.06
2390.000	Peak	65.86	-3.80	62.06	74.00	-11.94

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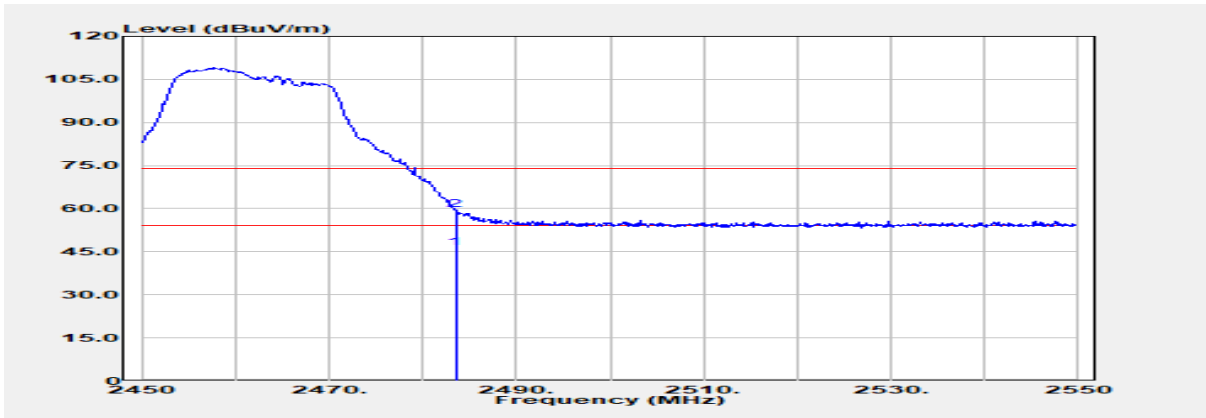
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Report Number :E2/2021/60025
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :21.2/55
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
2483.500	Average	50.20	-3.92	46.28	54.00	-7.72
2483.500	Peak	63.55	-3.92	59.63	74.00	-14.37

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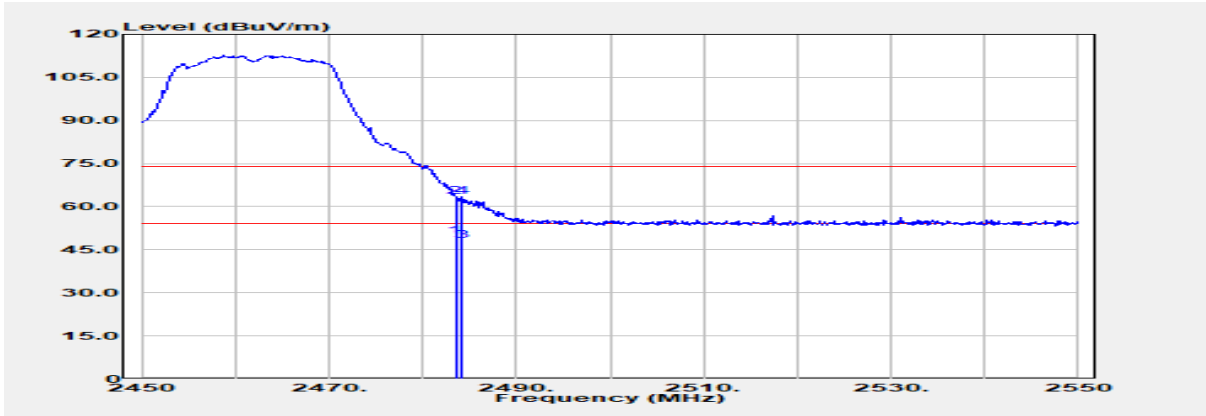
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Report Number :E2/2021/60025
 Operation Mode :802.11n20
 Test Frequency :2462 MHz
 Test Mode :BE CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :21.2/55
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
2483.500	Average	53.56	-3.92	49.64	54.00	-4.36
2483.500	Peak	67.27	-3.92	63.35	74.00	-10.65
2484.200	Average	51.92	-3.91	48.00	54.00	-6.00
2484.200	Peak	67.42	-3.91	63.51	74.00	-10.49

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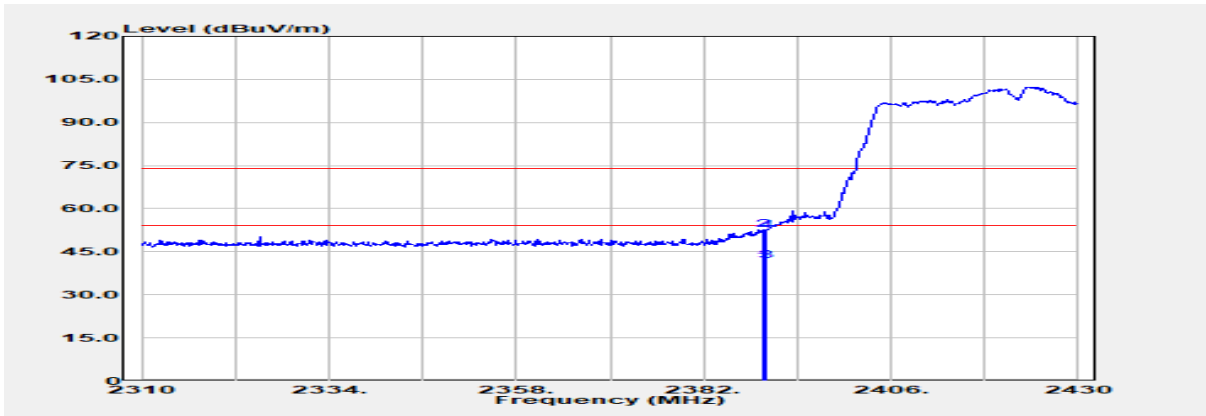
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Report Number :E2/2021/60025
Operation Mode :802.11n40
Test Frequency :2422 MHz
Test Mode : BE CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :21.2/55
Antenna Pol. :Vertical
Engineer :Jack Tseng



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
2389.680	Average	45.24	-3.80	41.44	54.00	-12.56
2389.680	Peak	56.57	-3.80	52.77	74.00	-21.23
2390.000	Average	45.61	-3.80	41.81	54.00	-12.19
2390.000	Peak	56.19	-3.80	52.39	74.00	-21.61

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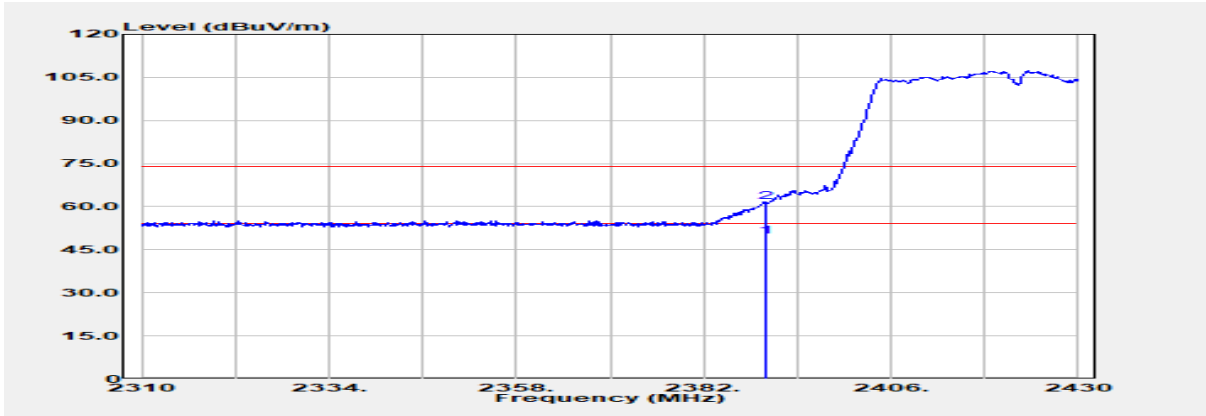
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Report Number :E2/2021/60025
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :BE CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :21.2/55
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
2390.000	Average	53.28	-3.80	49.48	54.00	-4.52
2390.000	Peak	65.31	-3.80	61.51	74.00	-12.49

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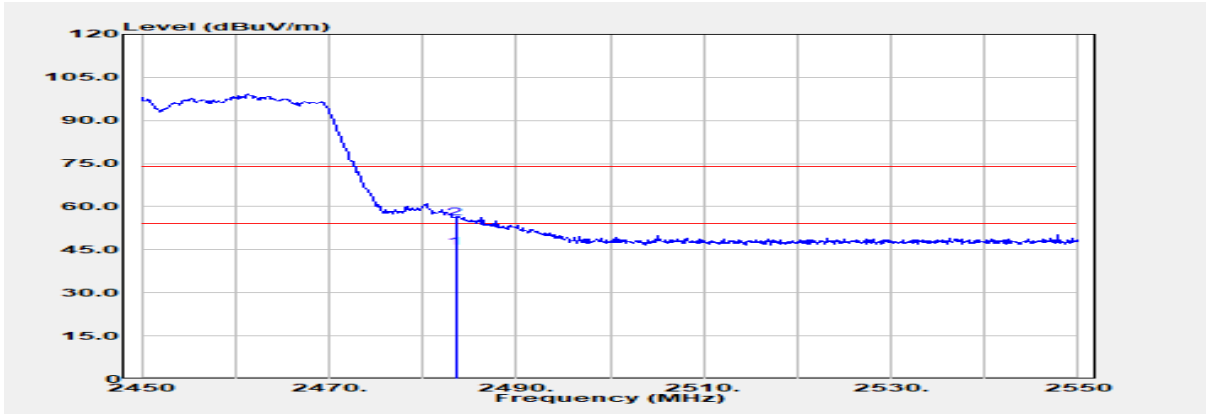
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Report Number :E2/2021/60025
Operation Mode :802.11n40
Test Frequency :2452 MHz
Test Mode :BE CH HIGH
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :21.2/55
Antenna Pol. :Vertical
Engineer :Jack Tseng



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
2483.500	Average	49.78	-3.92	45.86	54.00	-8.14
2483.500	Peak	59.93	-3.92	56.01	74.00	-17.99

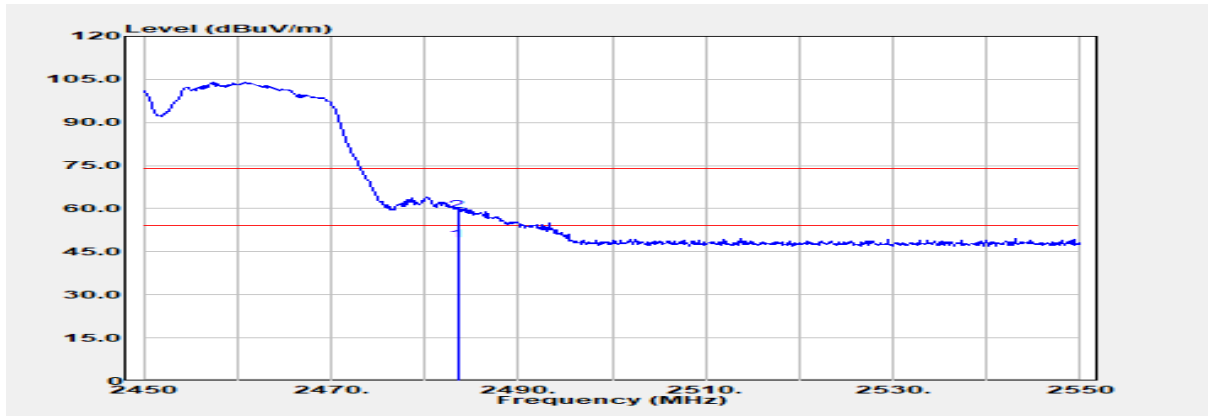
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11n40	Test Date	:2021-06-19
Test Frequency	:2452 MHz	Temp./Humi.	:21.2/55
Test Mode	:BE CH HIGH	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
2483.500	Average	52.80	-3.92	48.88	54.00	-5.12
2483.500	Peak	63.26	-3.92	59.34	74.00	-14.66

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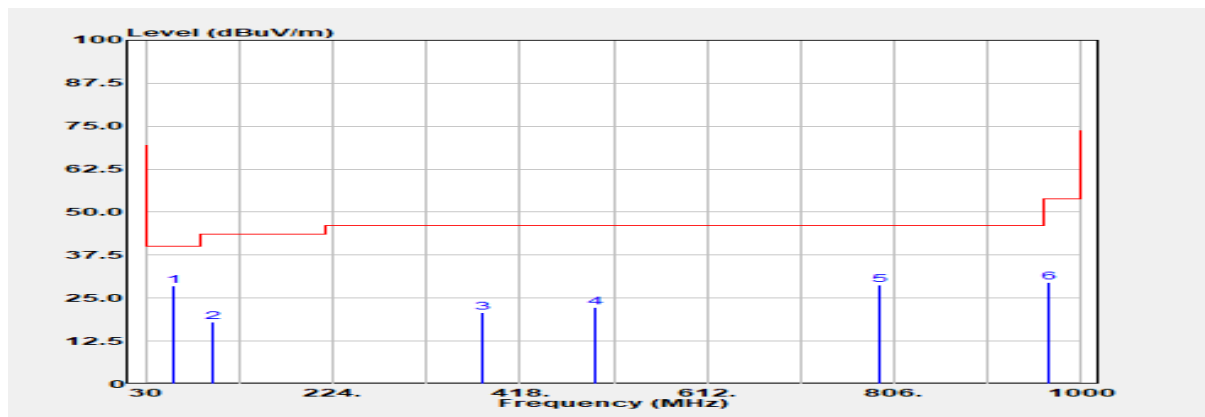
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11.7.2 Below 1GHz Worst-Case Emission:

Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11g	Test Date	:2021-06-25
Test Frequency	:2437 MHz	Temp./Humi.	:19.1/71
Test Mode	:TX CH MID	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
58.130	Peak	42.03	-13.44	28.59	40.00	-11.41
98.870	Peak	36.15	-18.21	17.94	43.50	-25.56
379.200	Peak	31.15	-10.37	20.78	46.00	-25.22
496.570	Peak	30.04	-7.62	22.42	46.00	-23.58
790.480	Peak	31.07	-2.28	28.80	46.00	-17.20
966.050	Peak	29.16	0.43	29.59	54.00	-24.41

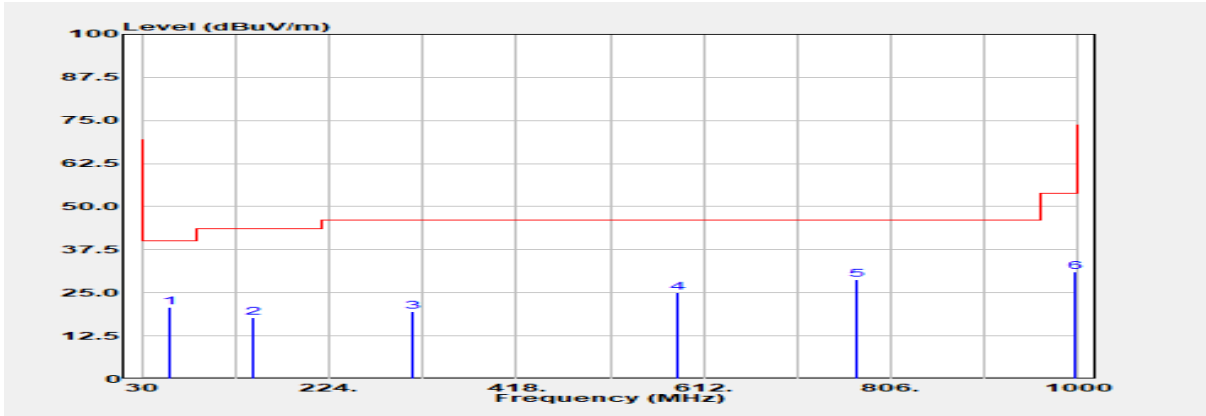
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11g	Test Date	:2021-06-25
Test Frequency	:2437 MHz	Temp./Humi.	:19.1/71
Test Mode	:TX CH MID	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
58.130	Peak	34.19	-13.44	20.74	40.00	-19.26
144.460	Peak	30.79	-13.07	17.73	43.50	-25.77
310.330	Peak	31.66	-12.11	19.55	46.00	-26.45
584.840	Peak	30.85	-5.72	25.12	46.00	-20.88
770.110	Peak	31.80	-2.98	28.82	46.00	-17.18
997.090	Peak	30.76	0.21	30.97	54.00	-23.03

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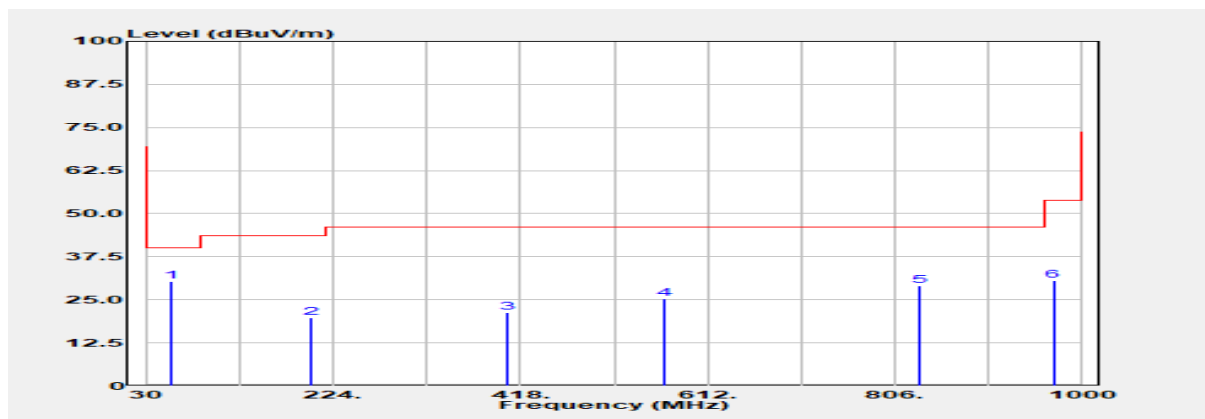
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Report Number :E2/2021/60025
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-25
 Temp./Humi. :19.1/71
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
56.190	Peak	43.56	-13.32	30.24	40.00	-9.76
201.690	Peak	36.11	-16.25	19.86	43.50	-23.64
404.420	Peak	31.19	-9.78	21.41	46.00	-24.59
567.380	Peak	31.54	-6.13	25.41	46.00	-20.59
830.250	Peak	31.03	-2.06	28.97	46.00	-17.03
969.930	Peak	30.60	-0.01	30.59	54.00	-23.41

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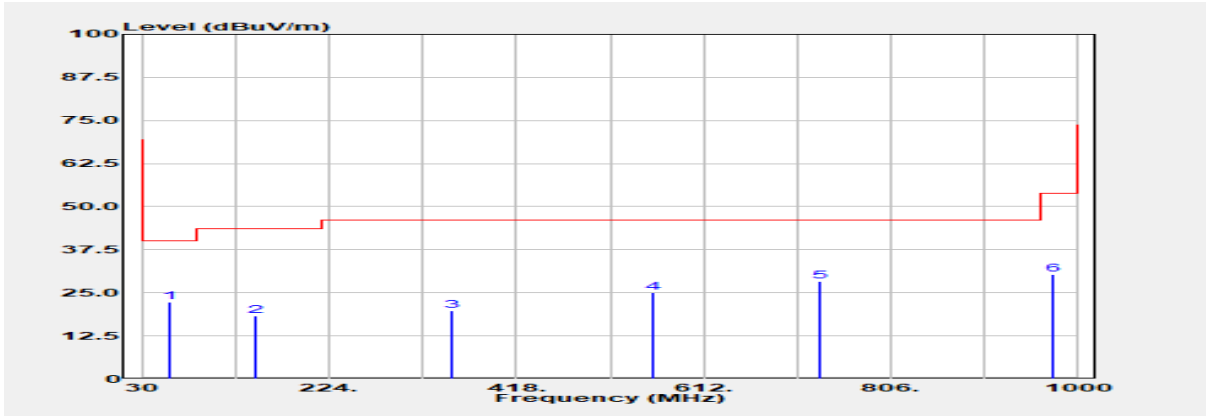
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Report Number :E2/2021/60025
Operation Mode :802.11n40
Test Frequency :2437 MHz
Test Mode :TX CH MID
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-25
Temp./Humi. :19.1/71
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
58.130	Peak	35.72	-13.44	22.28	40.00	-17.72
148.340	Peak	31.49	-13.08	18.41	43.50	-25.09
352.040	Peak	31.01	-11.16	19.86	46.00	-26.14
558.650	Peak	31.73	-6.55	25.17	46.00	-20.83
733.250	Peak	31.32	-2.93	28.39	46.00	-17.61
972.840	Peak	30.32	0.04	30.36	54.00	-23.64

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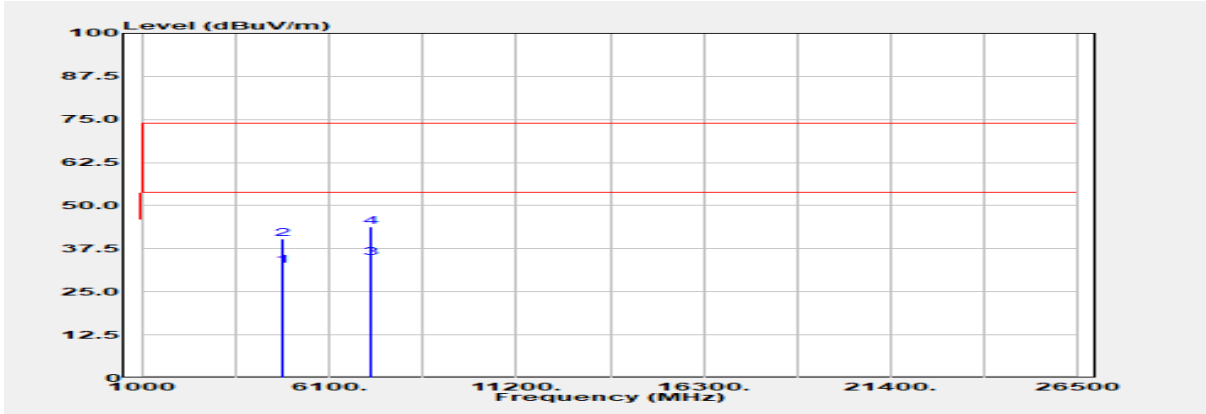
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11.7.3 Above 1GHz Emission:

Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11b	Test Date	:2021-06-22
Test Frequency	:2412 MHz	Temp./Humi.	:19.4/67
Test Mode	:TX CH LOW	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4824.000	Average	29.45	3.01	32.46	54.00	-21.54
4824.000	Peak	37.34	3.01	40.35	74.00	-33.65
7236.000	Average	27.34	7.53	34.86	54.00	-19.14
7236.000	Peak	36.29	7.53	43.82	74.00	-30.18

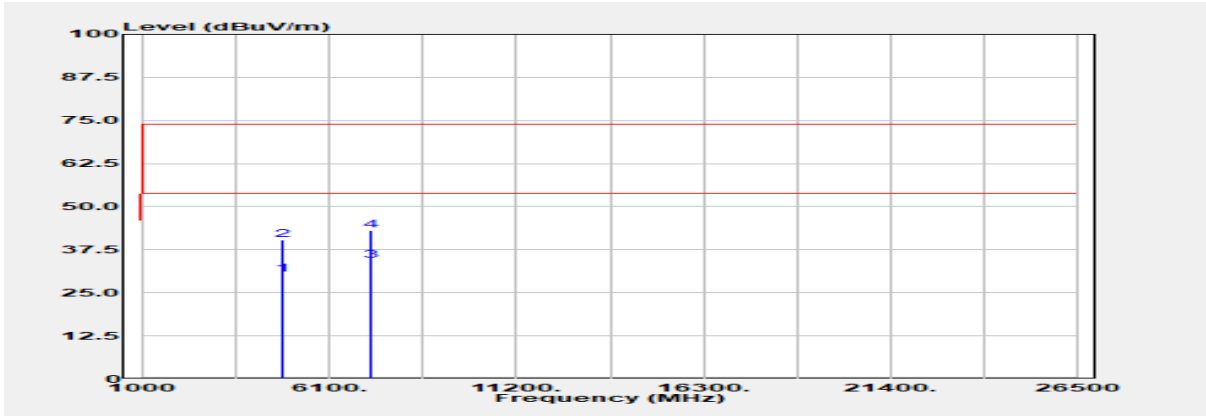
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11b	Test Date	:2021-06-22
Test Frequency	:2412 MHz	Temp./Humi.	:19.4/67
Test Mode	:TX CH LOW	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4824.000	Average	27.31	3.01	30.32	54.00	-23.68
4824.000	Peak	37.44	3.01	40.45	74.00	-33.55
7236.000	Average	26.81	7.53	34.34	54.00	-19.66
7236.000	Peak	35.62	7.53	43.15	74.00	-30.85

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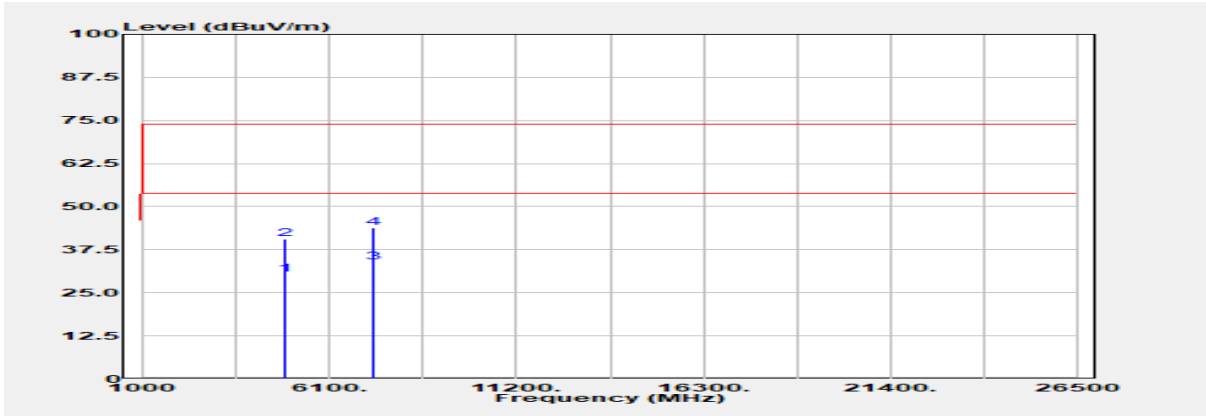
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Report Number :E2/2021/60025
 Operation Mode :802.11b
 Test Frequency :2437 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-22
 Temp./Humi. :19.4/67
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
4874.000	Average	27.22	3.23	30.45	54.00	-23.55
4874.000	Peak	37.34	3.23	40.57	74.00	-33.43
7311.000	Average	26.24	7.68	33.92	54.00	-20.08
7311.000	Peak	36.28	7.68	43.96	74.00	-30.04

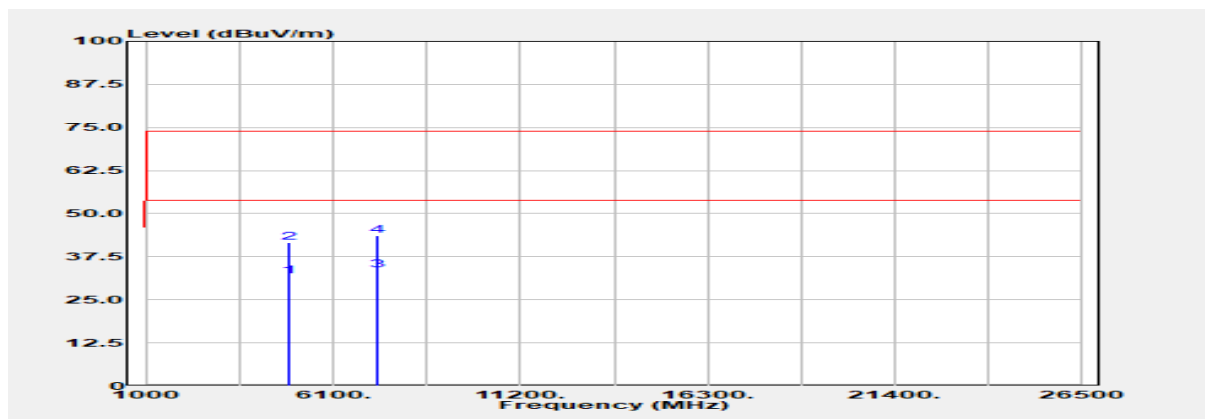
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11b	Test Date	:2021-06-22
Test Frequency	:2437 MHz	Temp./Humi.	:19.4/67
Test Mode	:TX CH MID	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4874.000	Average	28.62	3.23	31.85	54.00	-22.15
4874.000	Peak	38.35	3.23	41.58	74.00	-32.42
7311.000	Average	25.92	7.68	33.60	54.00	-20.40
7311.000	Peak	35.81	7.68	43.49	74.00	-30.51

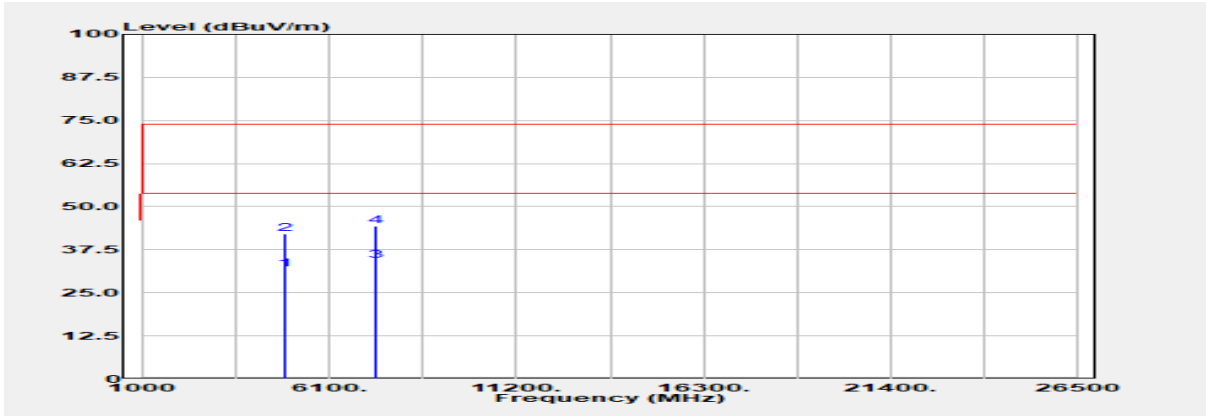
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11b	Test Date	:2021-06-22
Test Frequency	:2462 MHz	Temp./Humi.	:19.4/67
Test Mode	:TX CH HIGH	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4924.000	Average	28.61	3.26	31.87	54.00	-22.13
4924.000	Peak	38.82	3.26	42.08	74.00	-31.92
7386.000	Average	26.51	7.72	34.23	54.00	-19.77
7386.000	Peak	36.63	7.72	44.35	74.00	-29.65

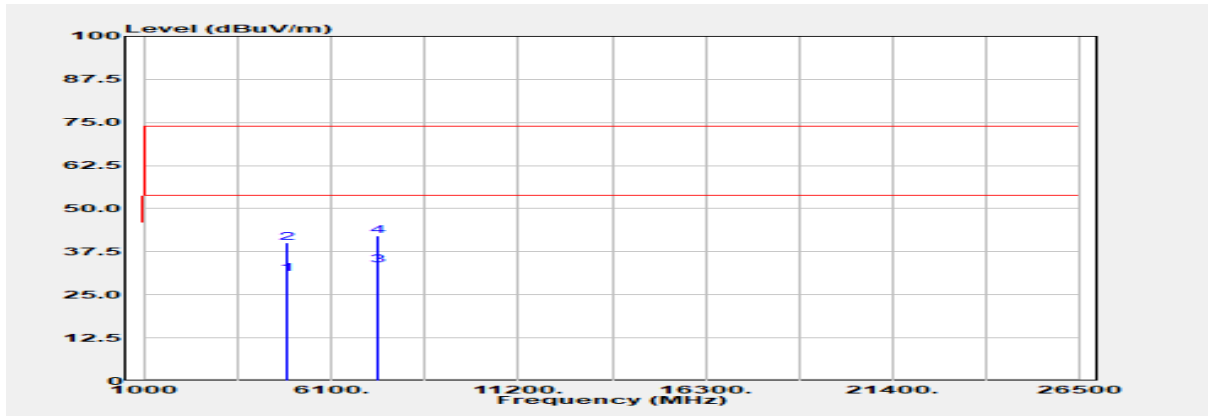
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11b	Test Date	:2021-06-22
Test Frequency	:2462 MHz	Temp./Humi.	:19.4/67
Test Mode	:TX CH HIGH	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4924.000	Average	27.78	3.26	31.04	54.00	-22.96
4924.000	Peak	36.88	3.26	40.14	74.00	-33.86
7386.000	Average	25.79	7.72	33.50	54.00	-20.50
7386.000	Peak	34.49	7.72	42.21	74.00	-31.79

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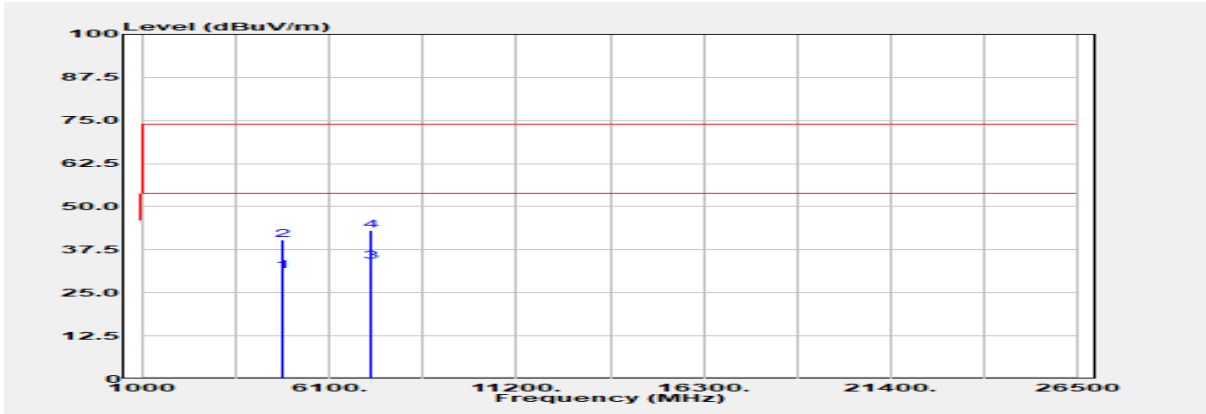
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Report Number :E2/2021/60025
Operation Mode :802.11g
Test Frequency :2412 MHz
Test Mode :TX CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-22
Temp./Humi. :19.4/67
Antenna Pol. :Vertical
Engineer :Jack Tseng



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
4824.000	Average	28.40	3.01	31.41	54.00	-22.59
4824.000	Peak	37.28	3.01	40.29	74.00	-33.71
7236.000	Average	26.64	7.53	34.17	54.00	-19.83
7236.000	Peak	35.59	7.53	43.11	74.00	-30.89

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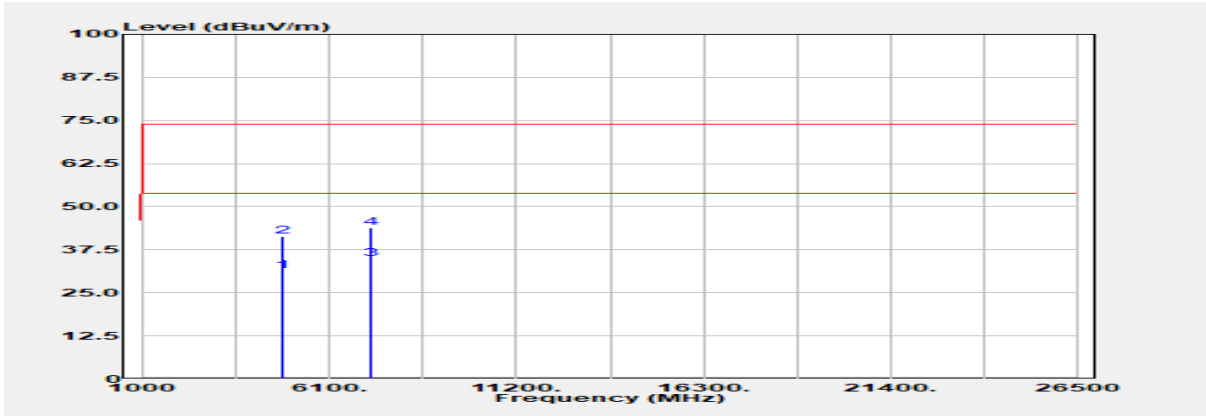
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Report Number :E2/2021/60025
 Operation Mode :802.11g
 Test Frequency :2412 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-22
 Temp./Humi. :19.4/67
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
4824.000	Average	28.32	3.01	31.33	54.00	-22.67
4824.000	Peak	38.27	3.01	41.28	74.00	-32.72
7236.000	Average	27.40	7.53	34.92	54.00	-19.08
7236.000	Peak	36.30	7.53	43.83	74.00	-30.17

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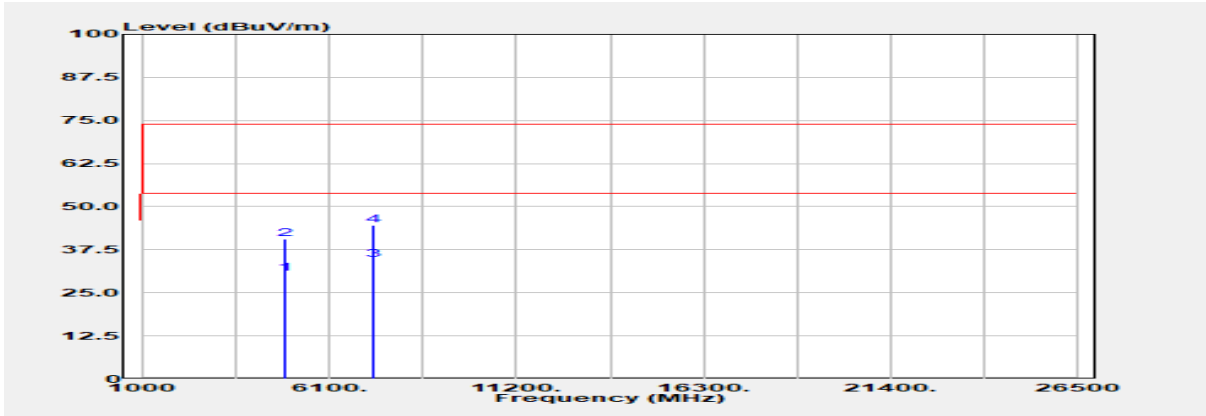
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Report Number :E2/2021/60025
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-22
 Temp./Humi. :19.4/67
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
4874.000	Average	27.33	3.23	30.56	54.00	-23.44
4874.000	Peak	37.34	3.23	40.57	74.00	-33.43
7311.000	Average	27.01	7.68	34.69	54.00	-19.31
7311.000	Peak	36.94	7.68	44.61	74.00	-29.39

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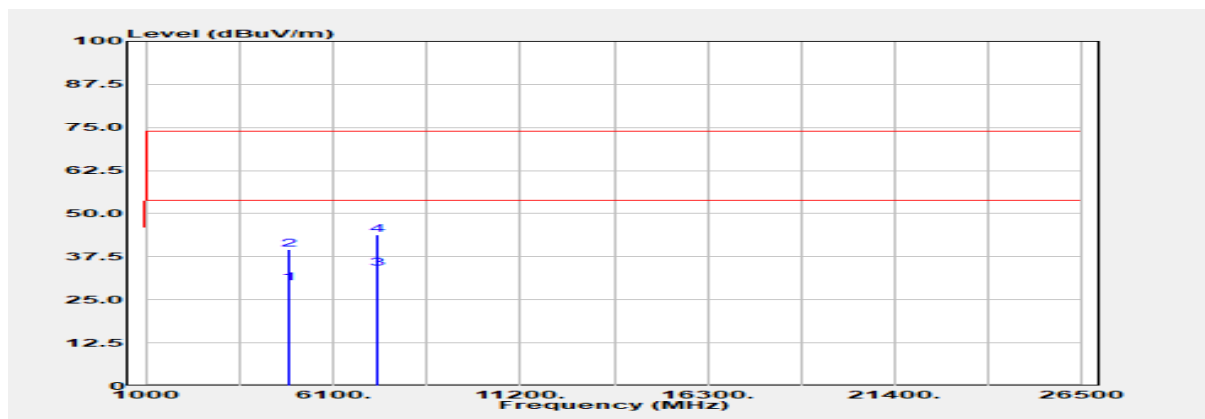
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Report Number :E2/2021/60025
 Operation Mode :802.11g
 Test Frequency :2437 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-22
 Temp./Humi. :19.4/67
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
4874.000	Average	26.51	3.23	29.74	54.00	-24.26
4874.000	Peak	36.49	3.23	39.71	74.00	-34.29
7311.000	Average	26.30	7.68	33.98	54.00	-20.02
7311.000	Peak	36.11	7.68	43.79	74.00	-30.21

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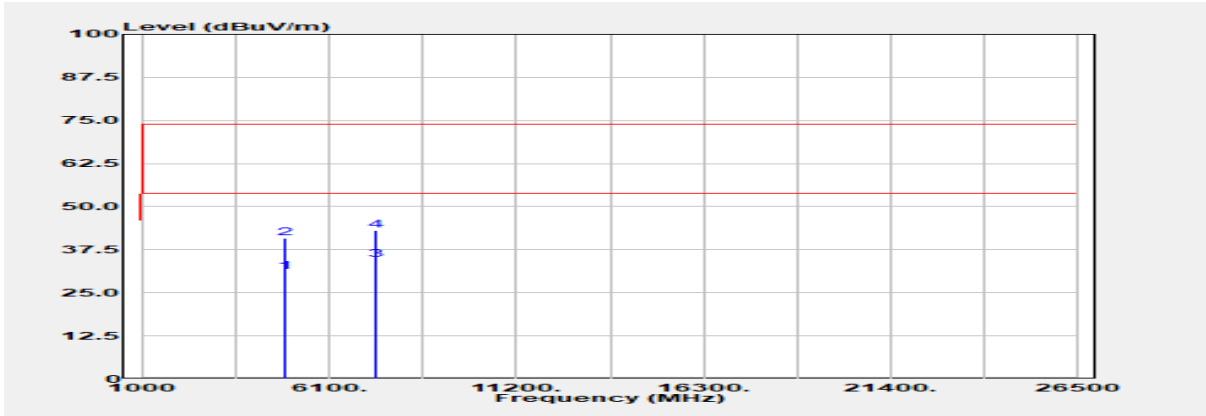
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Report Number :E2/2021/60025
 Operation Mode :802.11g
 Test Frequency :2462 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-22
 Temp./Humi. :19.4/67
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
4924.000	Average	27.71	3.26	30.97	54.00	-23.03
4924.000	Peak	37.63	3.26	40.89	74.00	-33.11
7386.000	Average	26.81	7.72	34.53	54.00	-19.47
7386.000	Peak	35.41	7.72	43.13	74.00	-30.87

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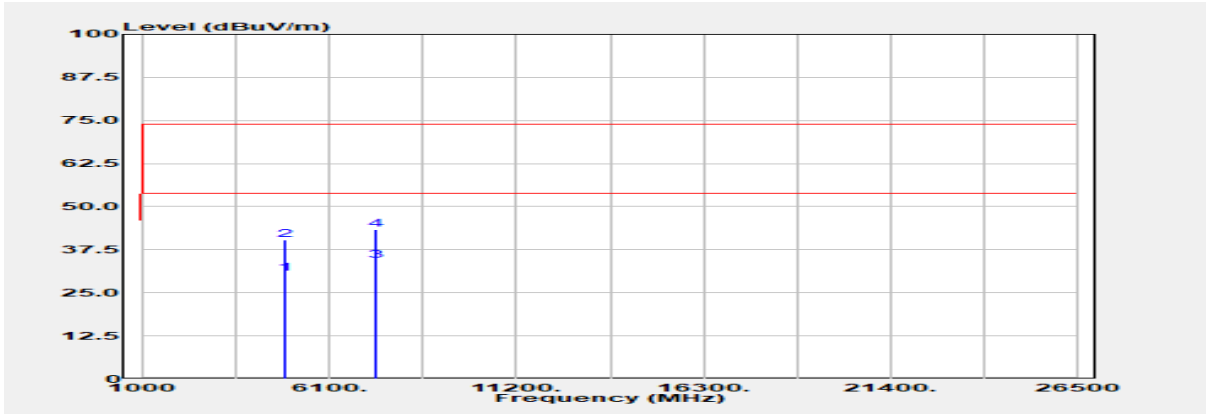
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Report Number :E2/2021/60025
Operation Mode :802.11g
Test Frequency :2462 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-22
Temp./Humi. :19.4/67
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
4924.000	Average	27.31	3.26	30.57	54.00	-23.43
4924.000	Peak	37.12	3.26	40.38	74.00	-33.62
7386.000	Average	26.63	7.72	34.35	54.00	-19.65
7386.000	Peak	35.56	7.72	43.28	74.00	-30.72

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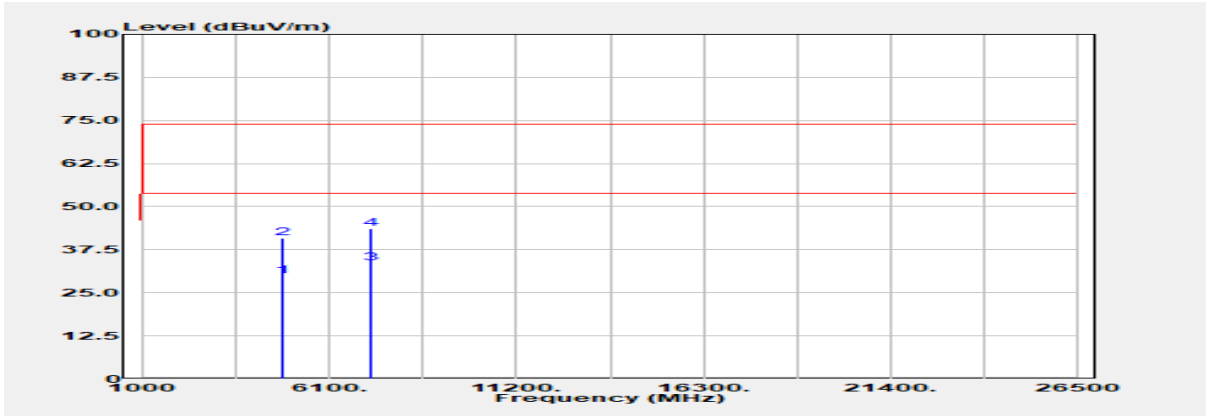
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Report Number :E2/2021/60025
Operation Mode :802.11n20
Test Frequency :2412 MHz
Test Mode :TX CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :23.3/58
Antenna Pol. :Vertical
Engineer :Jack Tseng



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
4824.000	Average	26.85	3.01	29.86	54.00	-24.14
4824.000	Peak	37.83	3.01	40.84	74.00	-33.16
7236.000	Average	25.98	7.53	33.51	54.00	-20.49
7236.000	Peak	36.04	7.53	43.56	74.00	-30.44

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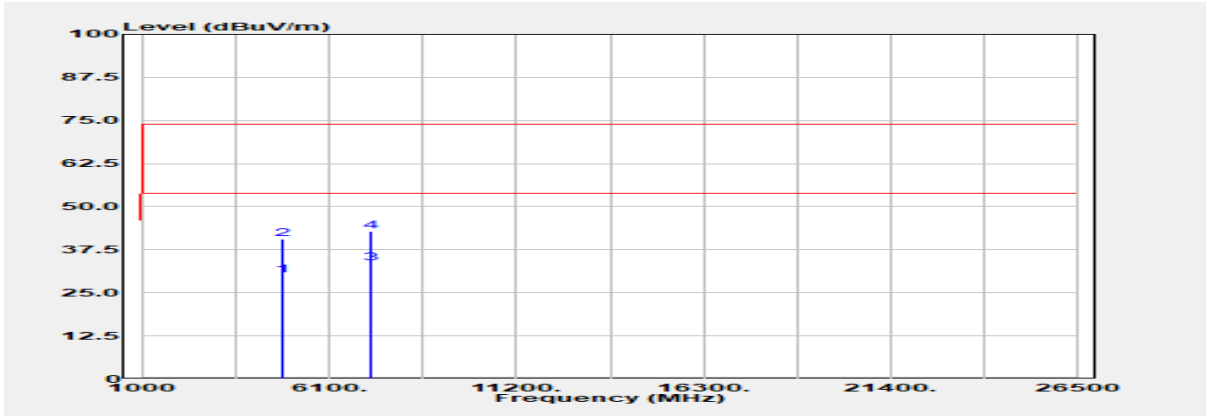
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Report Number :E2/2021/60025
 Operation Mode :802.11n20
 Test Frequency :2412 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :23.3/58
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
4824.000	Average	27.05	3.01	30.06	54.00	-23.94
4824.000	Peak	37.59	3.01	40.61	74.00	-33.39
7236.000	Average	26.13	7.53	33.66	54.00	-20.34
7236.000	Peak	35.28	7.53	42.81	74.00	-31.19

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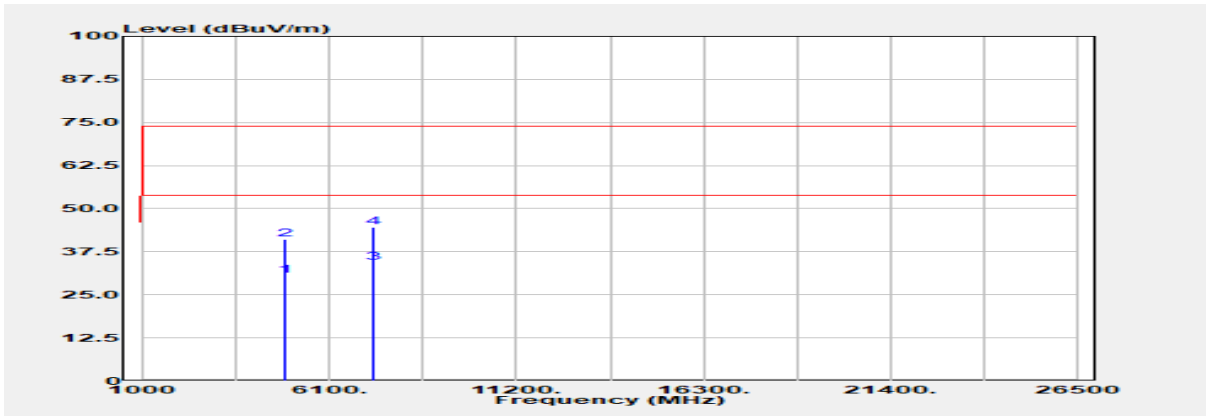
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Report Number :E2/2021/60025
Operation Mode :802.11n20
Test Frequency :2437 MHz
Test Mode :TX CH MID
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :23.3/58
Antenna Pol. :Vertical
Engineer :Jack Tseng



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
4874.000	Average	27.24	3.23	30.47	54.00	-23.53
4874.000	Peak	37.77	3.23	41.00	74.00	-33.00
7311.000	Average	26.75	7.68	34.43	54.00	-19.57
7311.000	Peak	36.84	7.68	44.52	74.00	-29.48

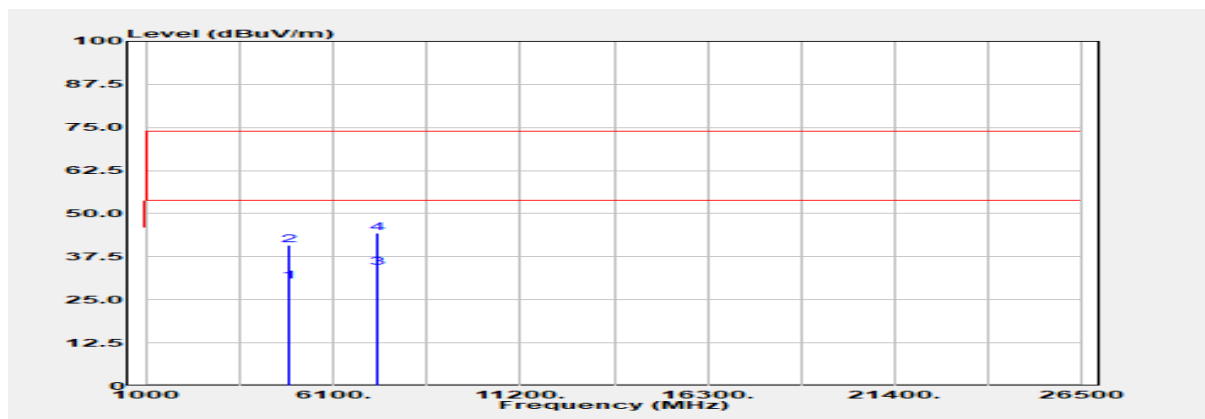
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11n20	Test Date	:2021-06-19
Test Frequency	:2437 MHz	Temp./Humi.	:23.3/58
Test Mode	:TX CH MID	Antenna Pol.	:Horizontal
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4874.000	Average	27.17	3.23	30.40	54.00	-23.60
4874.000	Peak	37.59	3.23	40.81	74.00	-33.19
7311.000	Average	26.58	7.68	34.26	54.00	-19.74
7311.000	Peak	36.61	7.68	44.29	74.00	-29.71

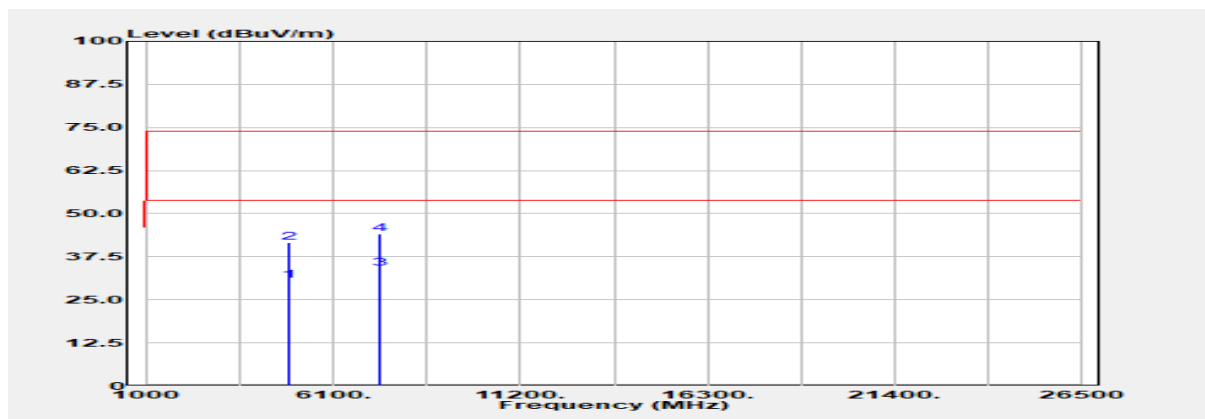
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Report Number	:E2/2021/60025	Test Site	:966 Chamber G
Operation Mode	:802.11n20	Test Date	:2021-06-19
Test Frequency	:2462 MHz	Temp./Humi.	:23.3/58
Test Mode	:TX CH HIGH	Antenna Pol.	:Vertical
EUT Pol	:H Plane	Engineer	:Jack Tseng



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
4924.000	Average	27.29	3.26	30.55	54.00	-23.45
4924.000	Peak	38.24	3.26	41.50	74.00	-32.50
7386.000	Average	26.48	7.72	34.20	54.00	-19.80
7386.000	Peak	36.27	7.72	43.99	74.00	-30.01

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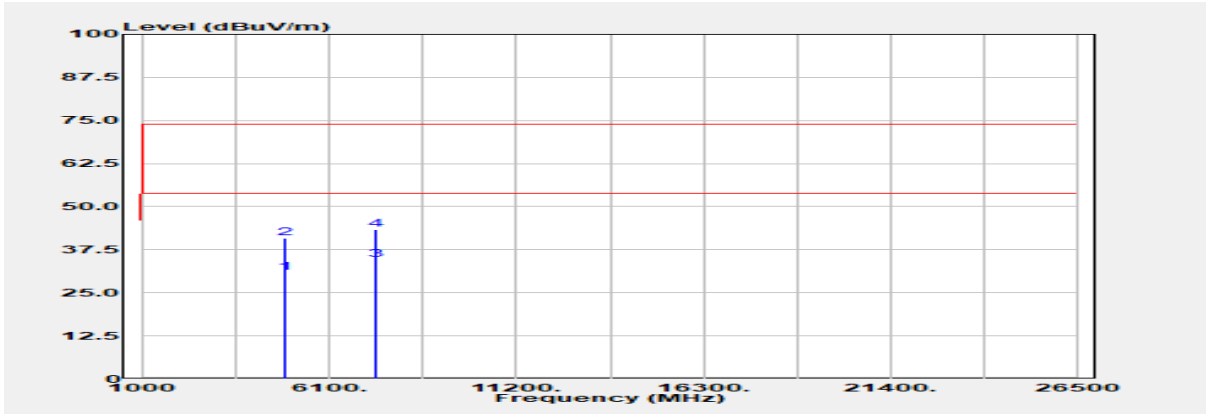
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Report Number :E2/2021/60025
Operation Mode :802.11n20
Test Frequency :2462 MHz
Test Mode :TX CH HIGH
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :23.3/58
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
4924.000	Average	27.45	3.26	30.71	54.00	-23.29
4924.000	Peak	37.65	3.26	40.91	74.00	-33.09
7386.000	Average	26.80	7.72	34.52	54.00	-19.48
7386.000	Peak	35.69	7.72	43.40	74.00	-30.60

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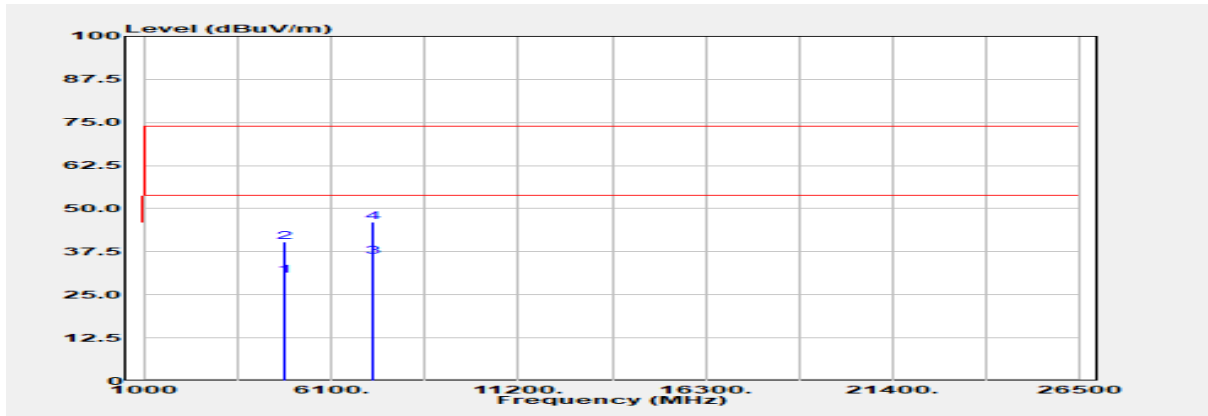
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Report Number :E2/2021/60025
 Operation Mode :802.11n40
 Test Frequency :2422 MHz
 Test Mode :TX CH LOW
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :23.3/58
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
4844.000	Average	27.80	2.86	30.66	54.00	-23.34
4844.000	Peak	37.42	2.86	40.28	74.00	-33.72
7266.000	Average	27.65	8.40	36.05	54.00	-17.95
7266.000	Peak	37.77	8.40	46.17	74.00	-27.83

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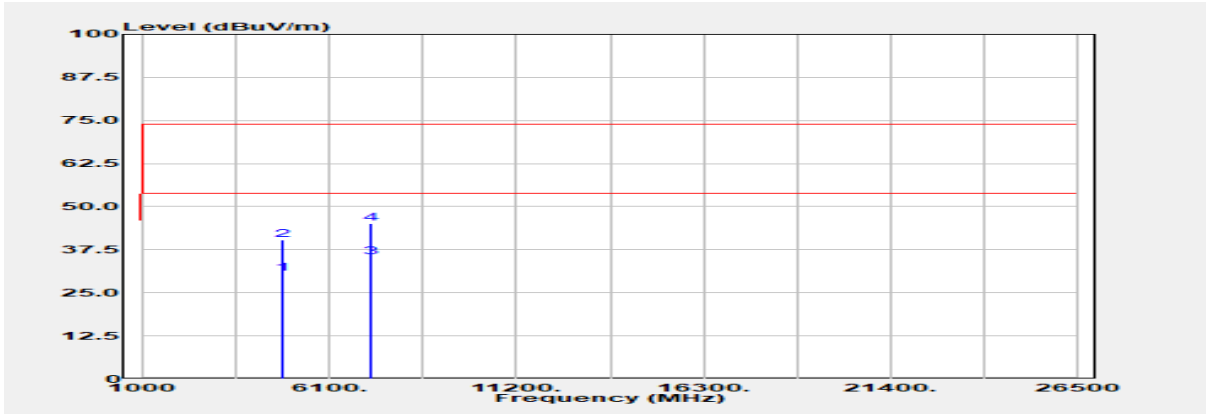
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Report Number :E2/2021/60025
Operation Mode :802.11n40
Test Frequency :2422 MHz
Test Mode :TX CH LOW
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :23.3/58
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
4844.000	Average	27.60	2.86	30.46	54.00	-23.54
4844.000	Peak	37.60	2.86	40.46	74.00	-33.54
7266.000	Average	26.88	8.40	35.28	54.00	-18.72
7266.000	Peak	36.76	8.40	45.16	74.00	-28.84

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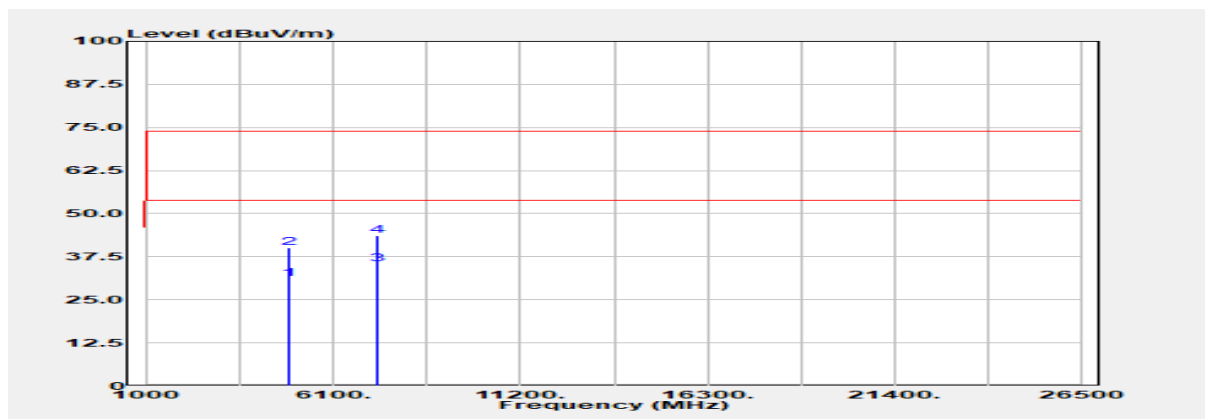
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Report Number :E2/2021/60025
 Operation Mode :802.11n40
 Test Frequency :2437 MHz
 Test Mode :TX CH MID
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :23.3/58
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
4874.000	Average	27.84	3.23	31.07	54.00	-22.93
4874.000	Peak	36.84	3.23	40.07	74.00	-33.93
7311.000	Average	27.61	7.68	35.29	54.00	-18.71
7311.000	Peak	36.03	7.68	43.71	74.00	-30.29

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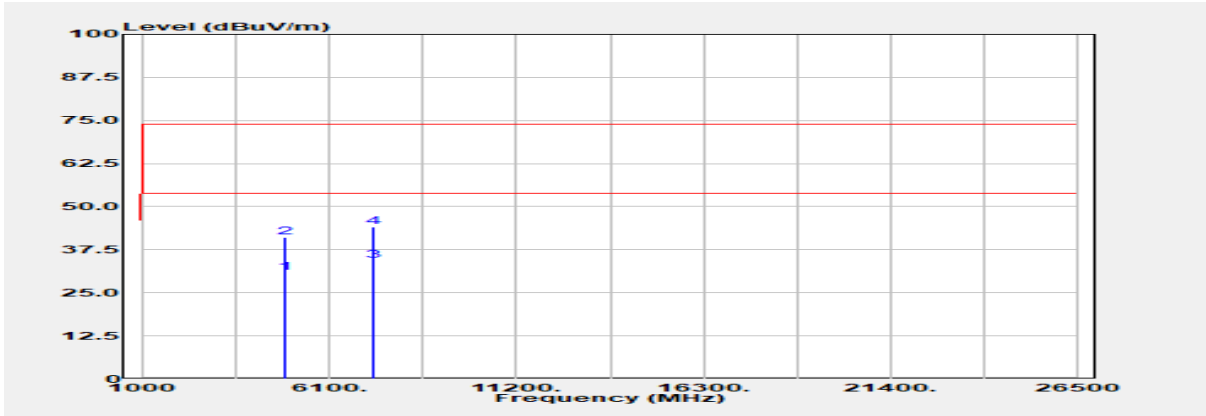
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Report Number :E2/2021/60025
Operation Mode :802.11n40
Test Frequency :2437 MHz
Test Mode :TX CH MID
EUT Pol :H Plane

Test Site :966 Chamber G
Test Date :2021-06-19
Temp./Humi. :23.3/58
Antenna Pol. :Horizontal
Engineer :Jack Tseng



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
4874.000	Average	27.54	3.23	30.77	54.00	-23.23
4874.000	Peak	37.75	3.23	40.98	74.00	-33.02
7311.000	Average	26.58	7.68	34.26	54.00	-19.74
7311.000	Peak	36.40	7.68	44.07	74.00	-29.93

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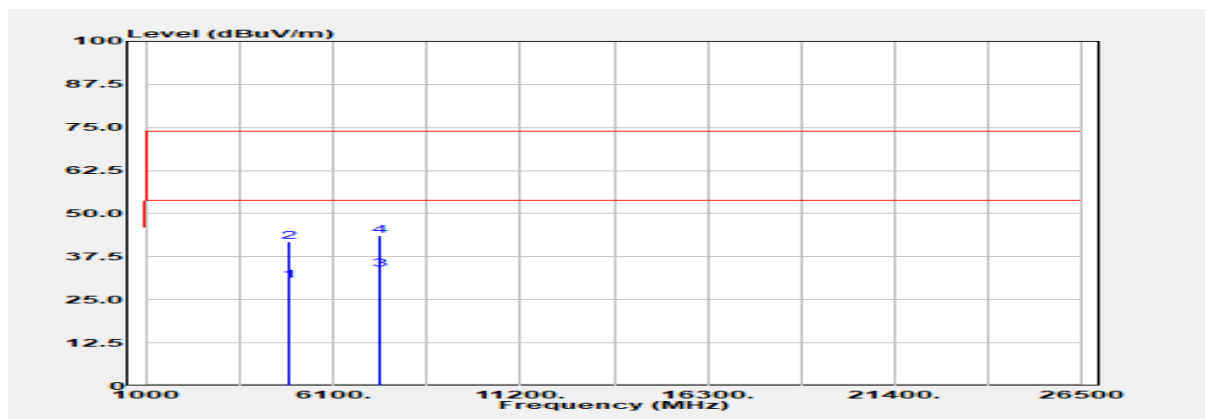
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Report Number :E2/2021/60025
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :23.3/58
 Antenna Pol. :Vertical
 Engineer :Jack Tseng



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
4904.000	Average	27.42	3.10	30.52	54.00	-23.48
4904.000	Peak	38.68	3.10	41.78	74.00	-32.22
7356.000	Average	25.85	7.88	33.73	54.00	-20.27
7356.000	Peak	35.84	7.88	43.72	74.00	-30.28

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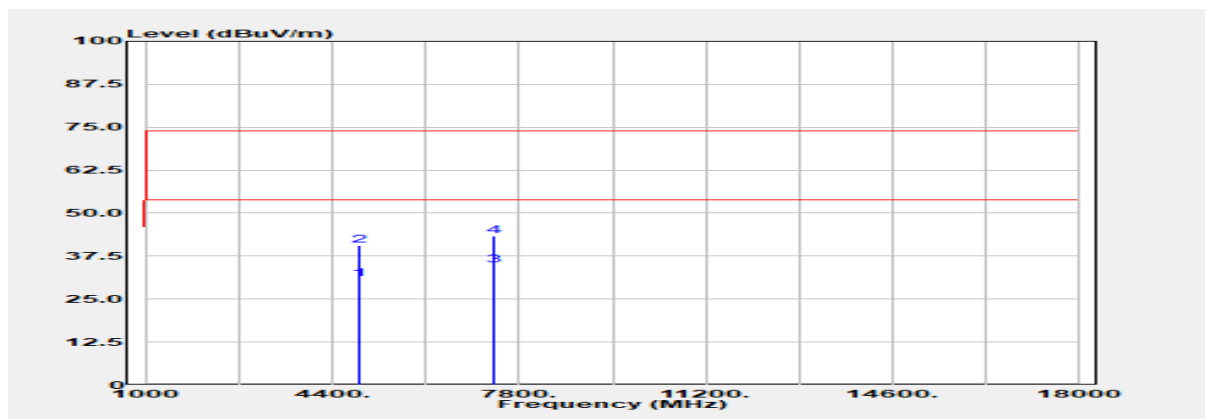
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Report Number :E2/2021/60025
 Operation Mode :802.11n40
 Test Frequency :2452 MHz
 Test Mode :TX CH HIGH
 EUT Pol :H Plane

Test Site :966 Chamber G
 Test Date :2021-06-19
 Temp./Humi. :23.3/58
 Antenna Pol. :Horizontal
 Engineer :Jack Tseng



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
4904.000	Average	27.75	3.10	30.85	54.00	-23.15
4904.000	Peak	37.55	3.10	40.65	74.00	-33.35
7356.000	Average	26.86	7.88	34.74	54.00	-19.26
7356.000	Peak	35.37	7.88	43.25	74.00	-30.75

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12 POWER SPECTRAL DENSITY

12.1 Standard Applicable

Per Part 15.247 (e)

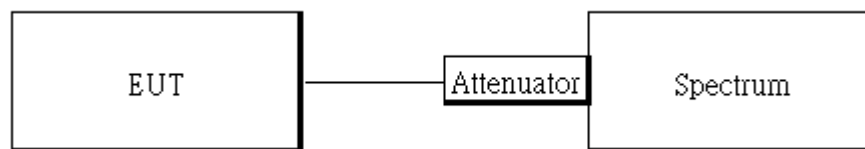
The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

12.2 Measurement Equipment Used

Conducted Emission Test Site: Conducted G					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010B	MY59071570	06/01/2021	05/31/2022
Attenuator	Marvelous	WATT-218FS-10	RF16	11/19/2020	11/18/2021
DC Block	PASTERNAK	PE8210	RF154	11/19/2020	11/18/2021

12.3 Test Set-up



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12.4 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. MIMO mode: offset is set following “measure and add 10 Log (N)” on spectrum to measure the PSD for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna.

Note:

For the test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.

12.5 As per FCC KDB 662911 D01

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

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

where

- Each antenna is driven by no more than one spatial stream;
- NSS = the number of independent spatial streams of data;
- NANT = the total number of antennas

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$g_{j,k} = \frac{1}{20} 10G_k$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
 G_k is the gain in dBi of the kth antenna.

The antenna gain is not greater than 6 dBi. Therefore, reduction of power is not required.

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12.6 Power spectral density

POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-19.97	-	-19.97	8.00	PASS
2437	-10.38	-	-10.38	8.00	PASS
2462	-17.27	-	-17.27	8.00	PASS

POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-12.08	-	-12.08	8.00	PASS
2437	-12.36	-	-12.36	8.00	PASS
2462	-10.55	-	-10.55	8.00	PASS

POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-10.76	-10.5	-7.62	8.00	PASS
2437	-11.47	-10.49	-7.94	8.00	PASS
2462	-11.04	-10.65	-7.83	8.00	PASS

POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-14.66	-13.15	-10.83	8.00	PASS
2437	-14.53	-14.03	-11.26	8.00	PASS
2452	-14.27	-14.47	-11.36	8.00	PASS

*Refer to next page for plots

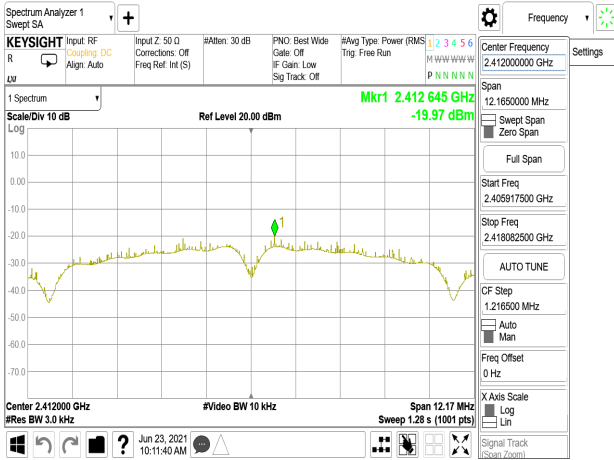
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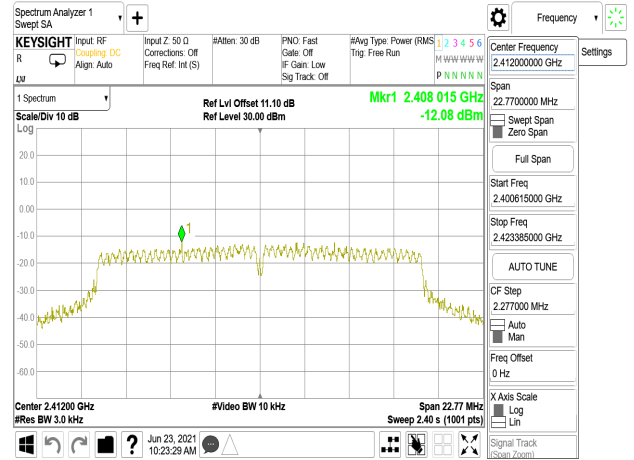
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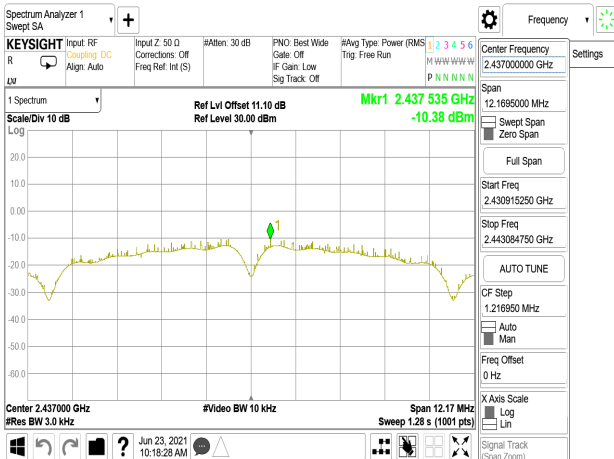
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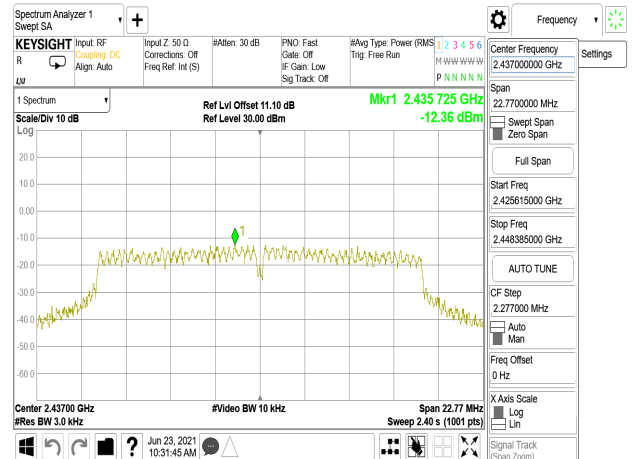
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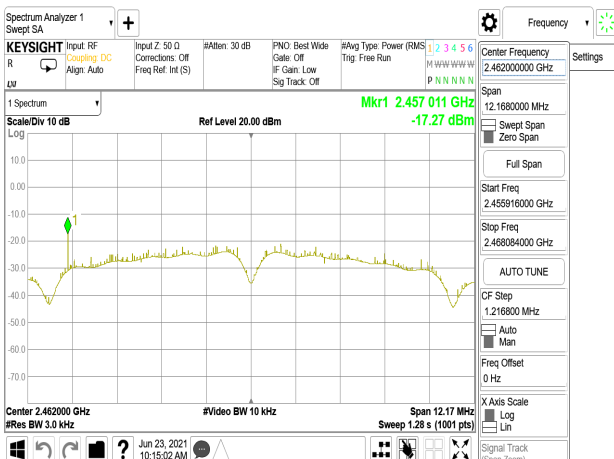
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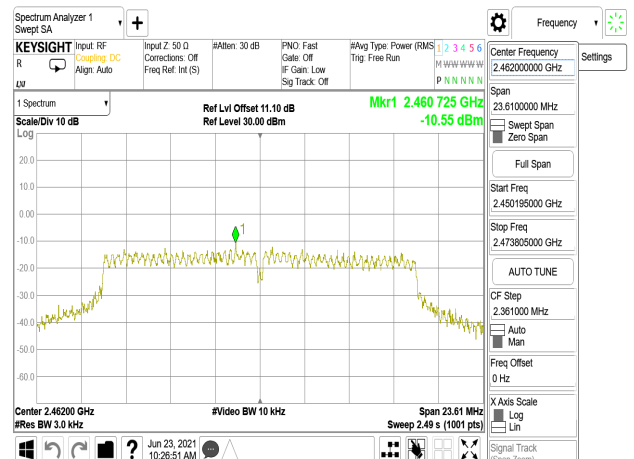
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802.11b_20MHz_Chain0_2462MHz



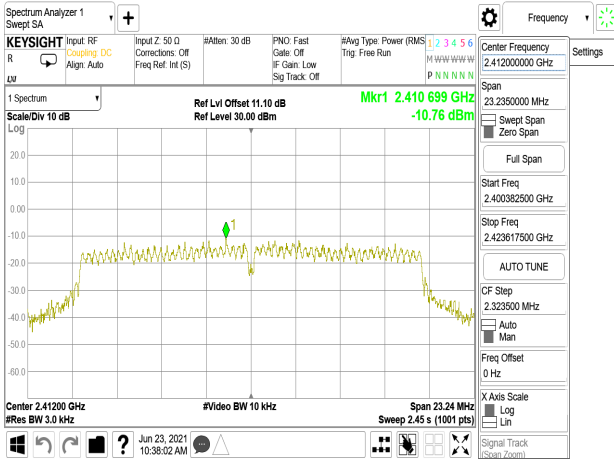
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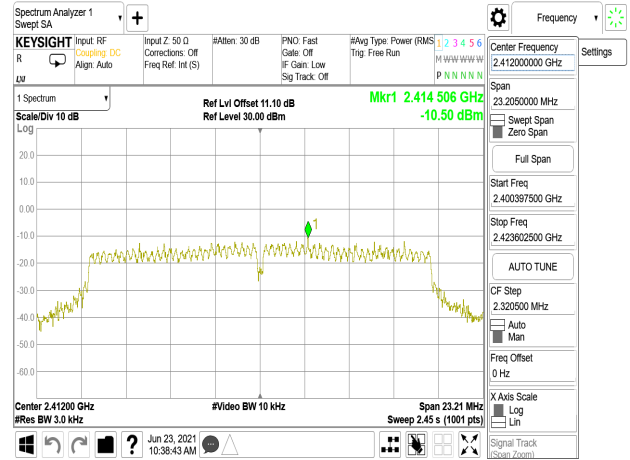
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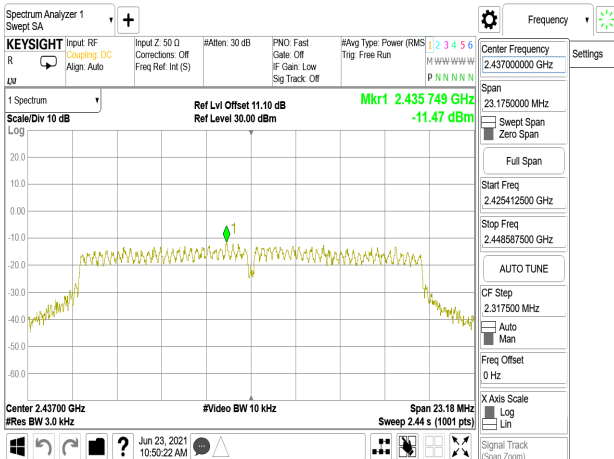
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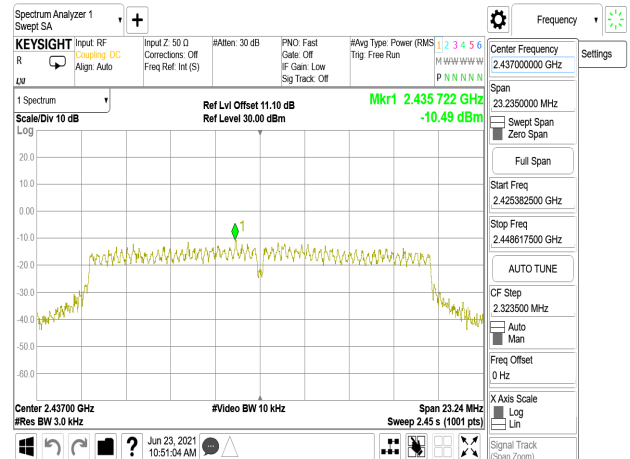
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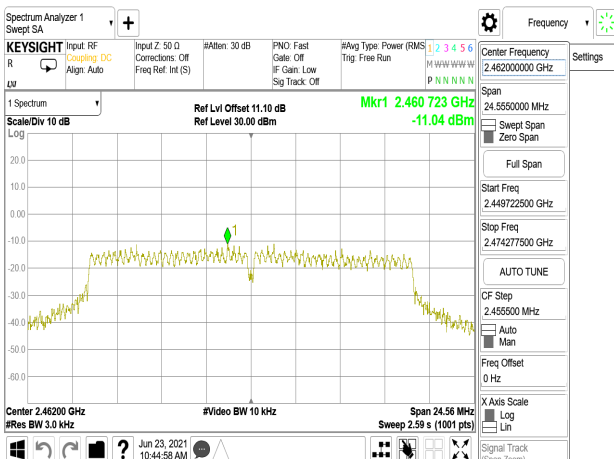
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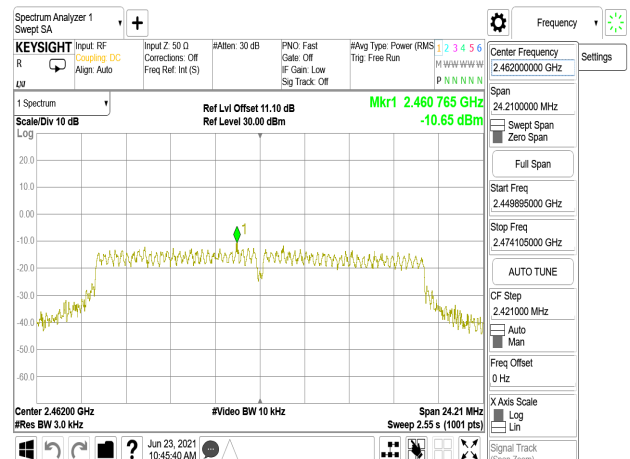
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802.11n_20MHz_Chain0_2462MHz



802.11n_20MHz_Chain1_2462MHz



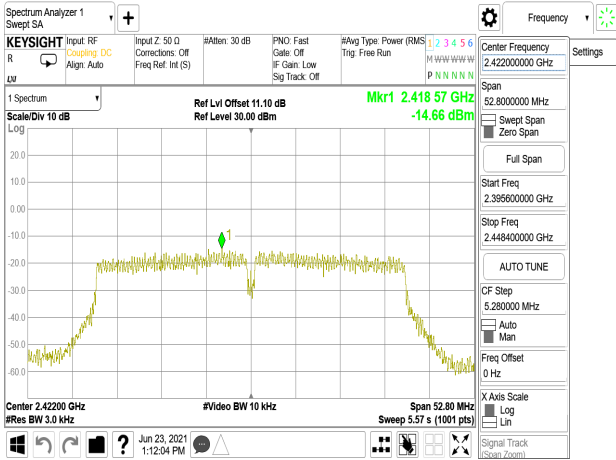
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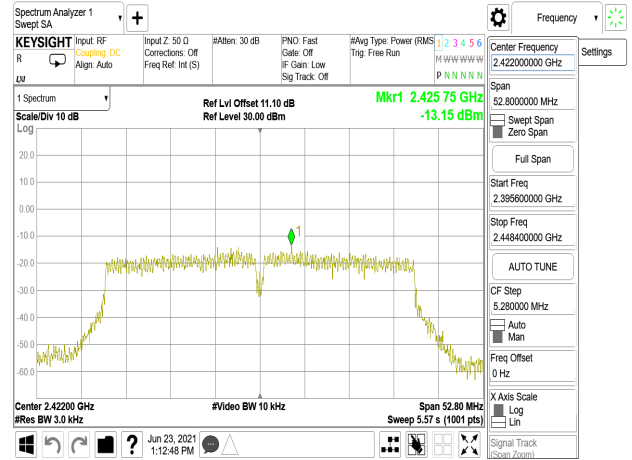
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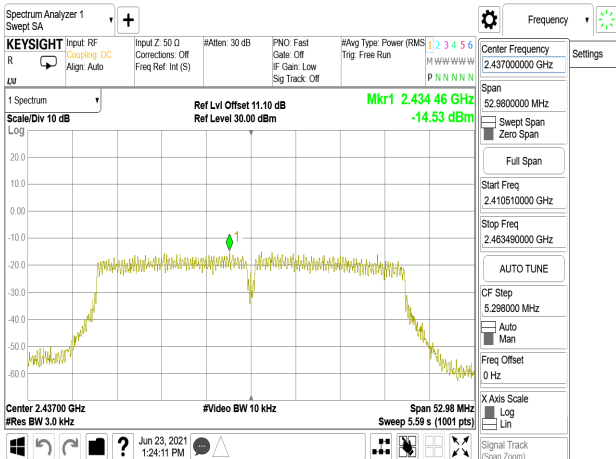
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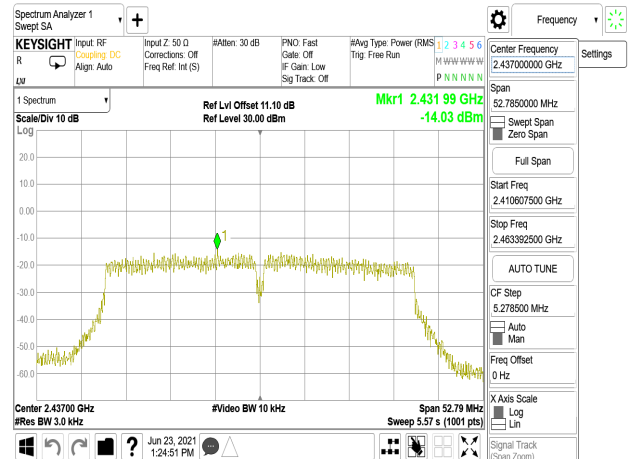
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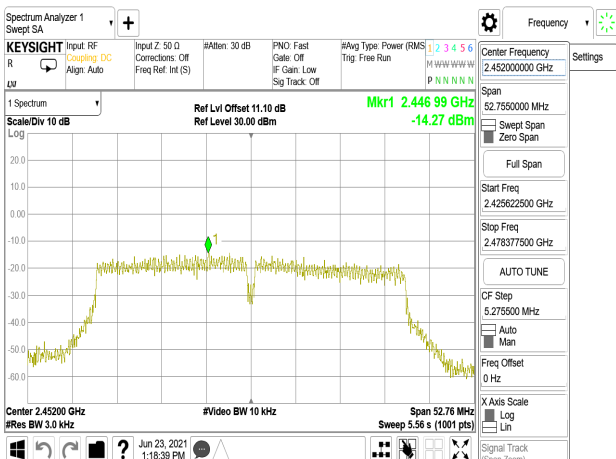
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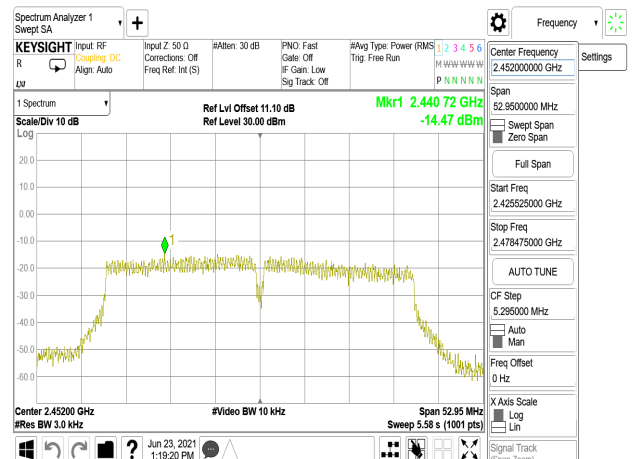
802.11n_40MHz_Chain1_2437MHz



802.11n_40MHz_Chain0_2452MHz



802.11n_40MHz_Chain1_2452MHz



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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

If the transmitting antenna is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

13.2 Antenna Connected Construction

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

~ End of Report ~

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