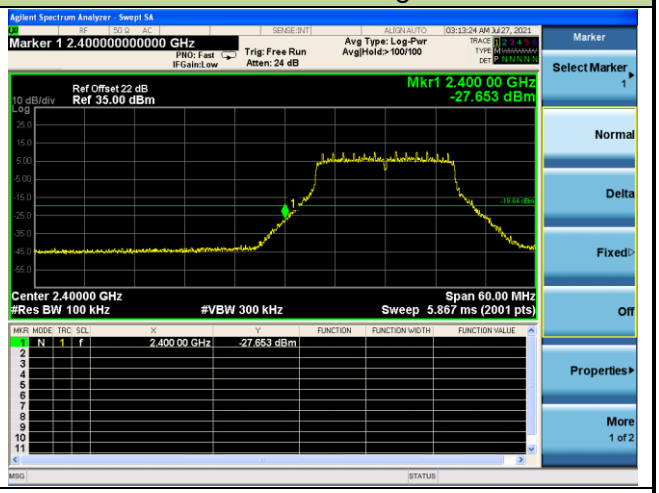
802.11g Out-of-Band Emissions - Ant 1

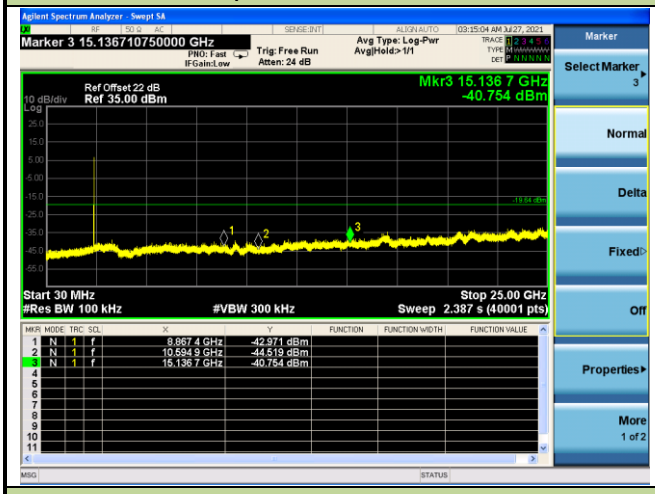
Channel 01 (2412MHz)

100kHz PSD Reference Level

Low Band Edge

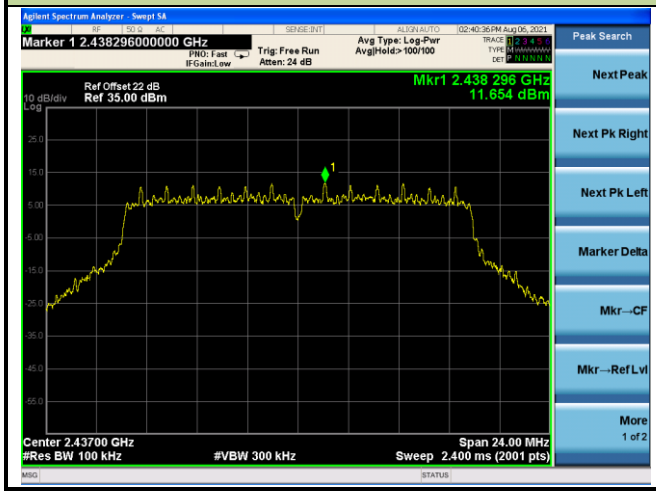


Spurious Emission



Channel 06 (2437MHz)

100kHz PSD Reference Level



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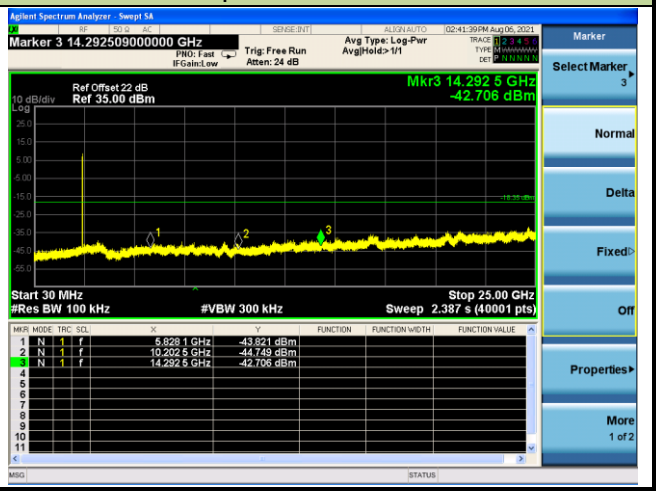
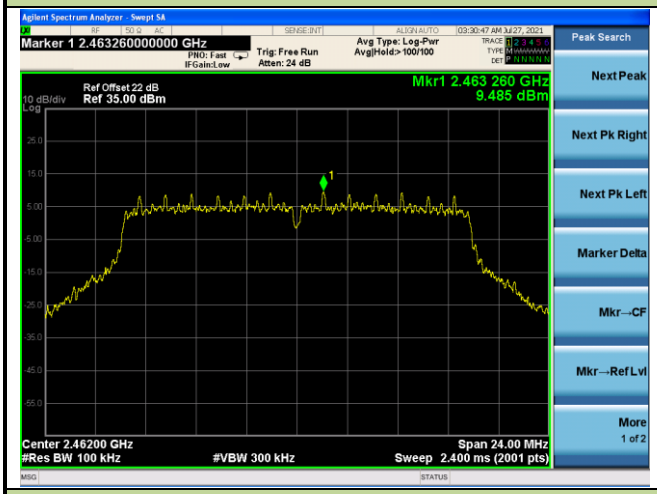
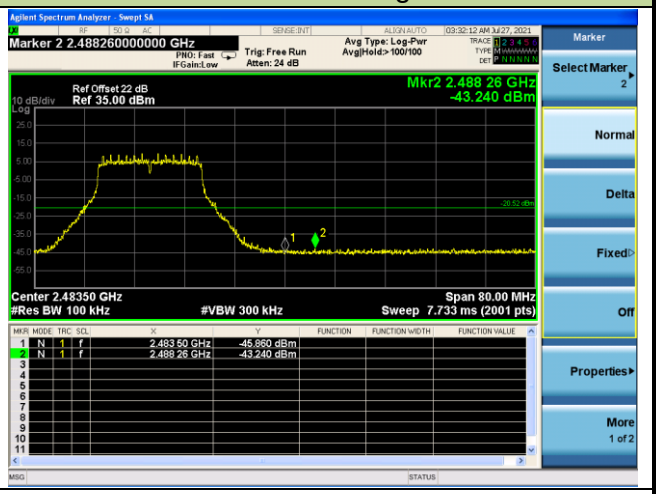


Channel 11 (2462MHz)	
100kHz PSD Reference Level	Low Band Edge
	
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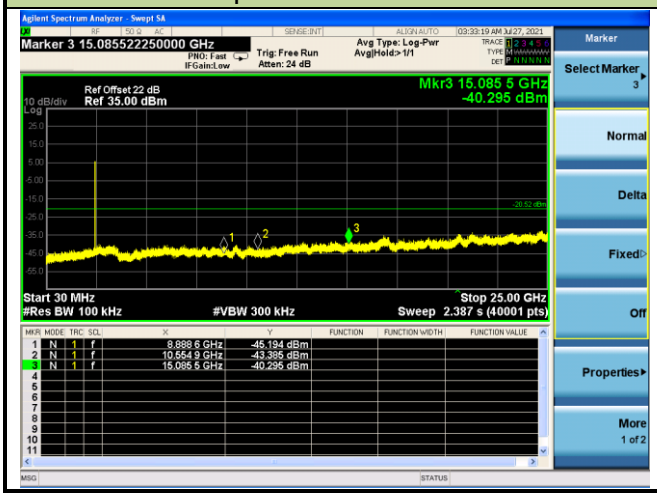
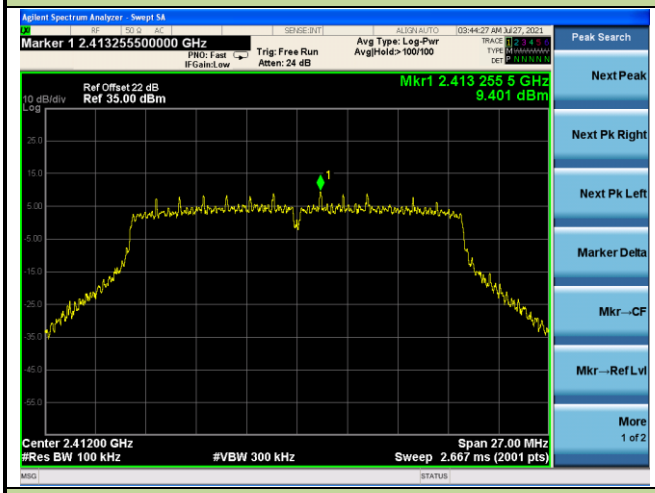
	

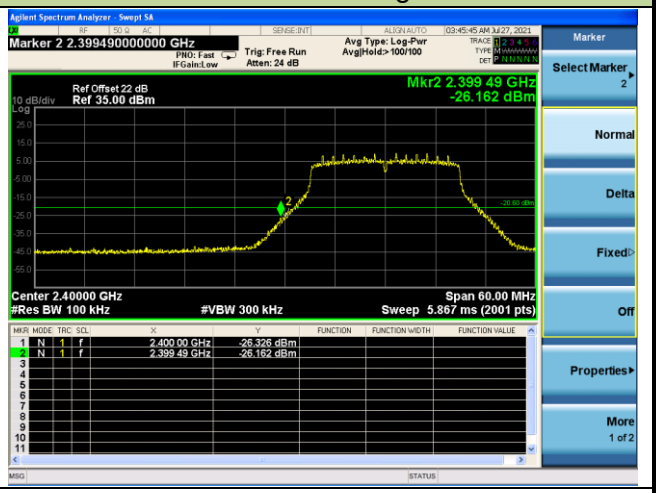
802.11n-HT20 Out-of-Band Emissions -Ant 1

Channel 01 (2412MHz)

100kHz PSD Reference Level



Low Band Edge



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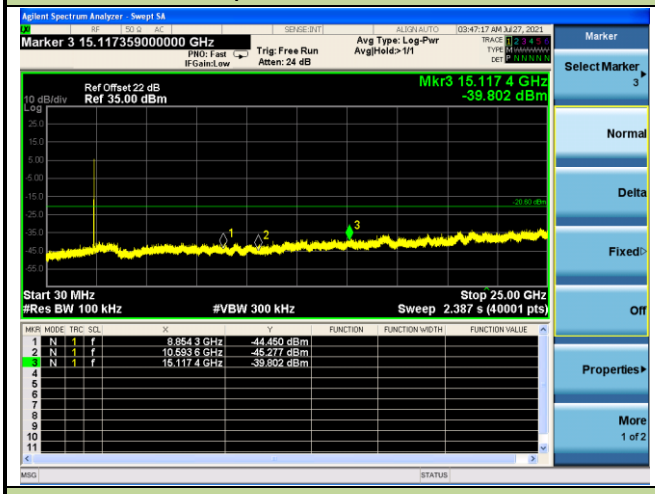
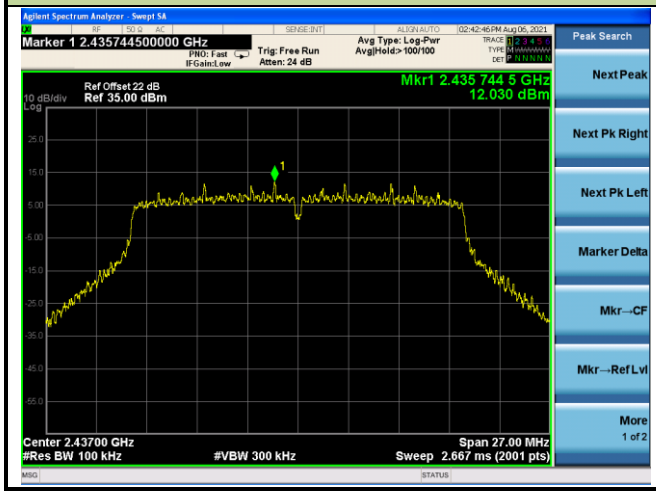
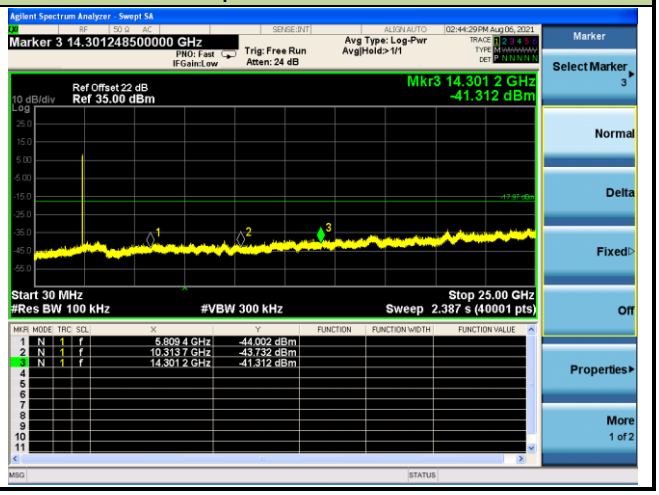


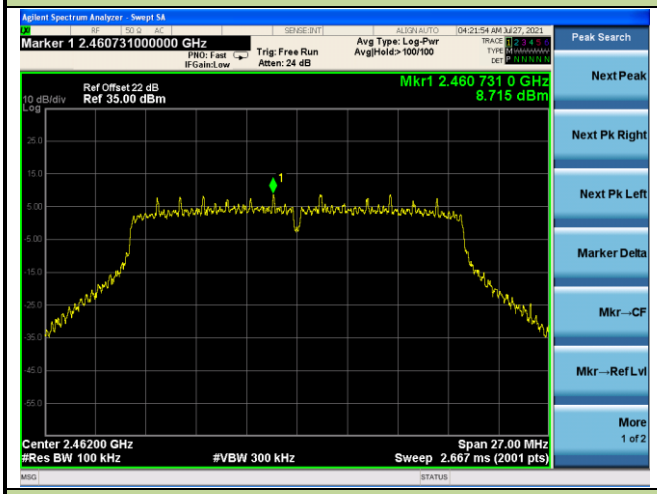
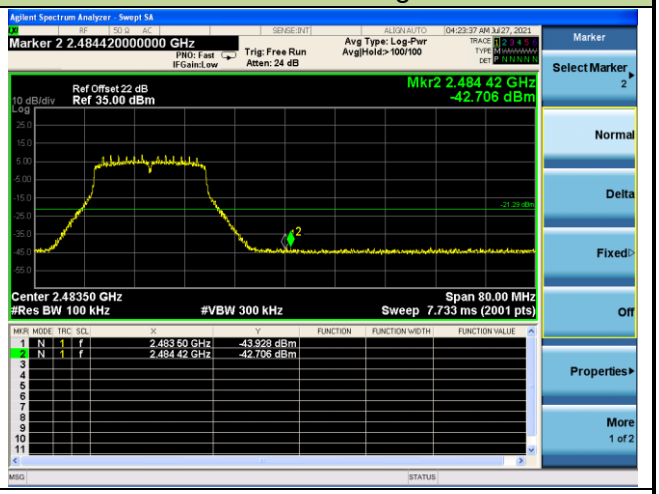
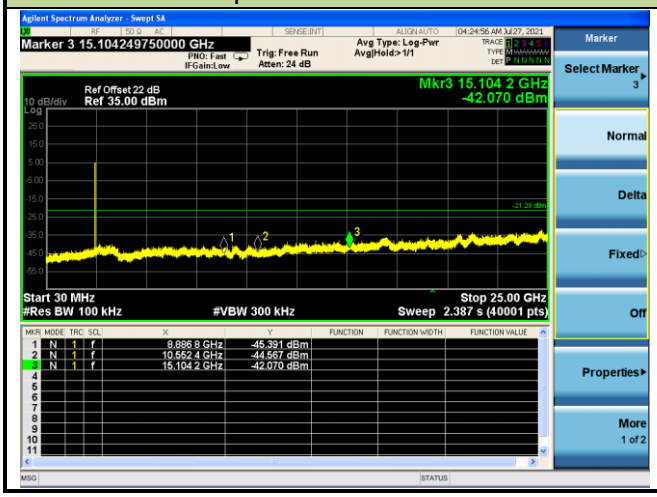
Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission

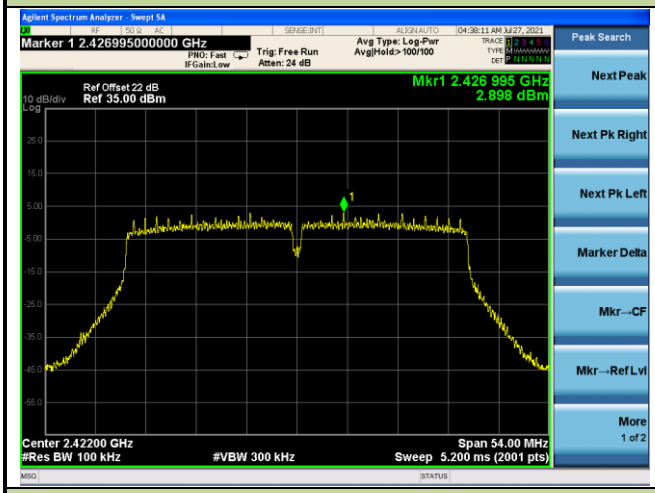


Channel 11 (2462MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	

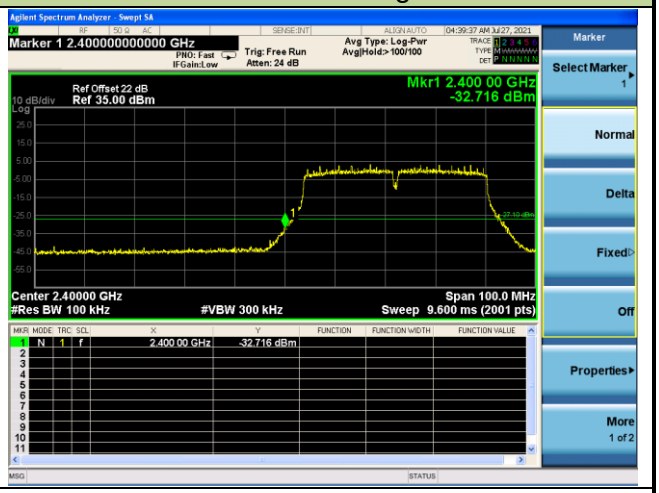
802.11n-HT40 Out-of-Band Emissions - Ant 1

Channel 03 (2422MHz)

100kHz PSD Reference Level



Low Band Edge



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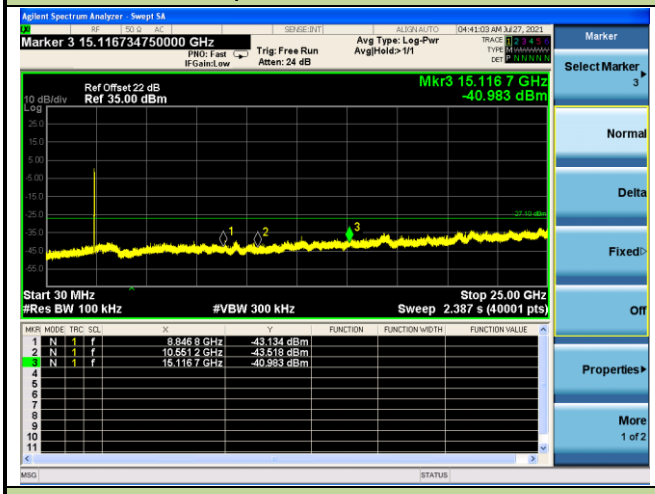
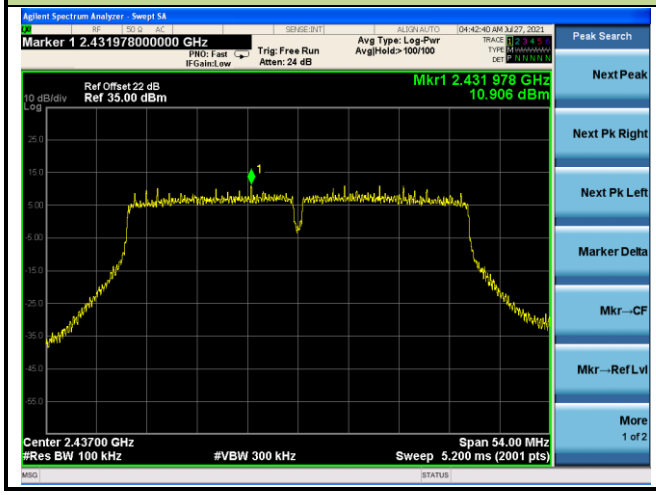


Channel 06 (2437MHz)

100kHz PSD Reference Level



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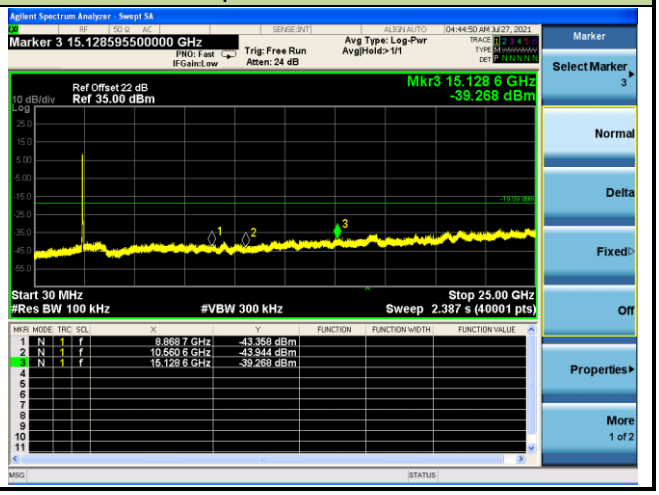
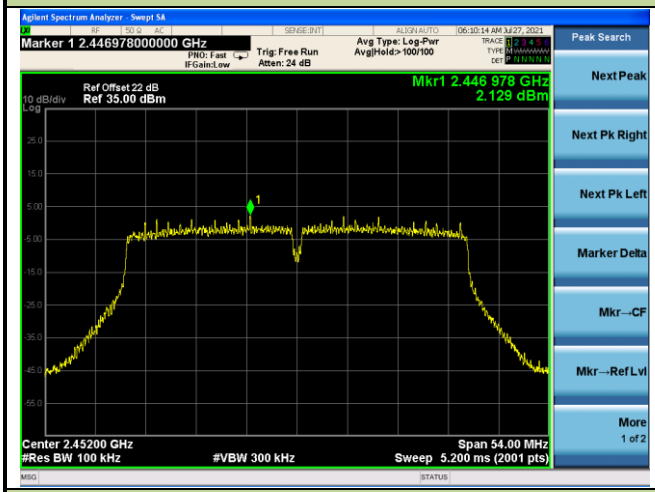
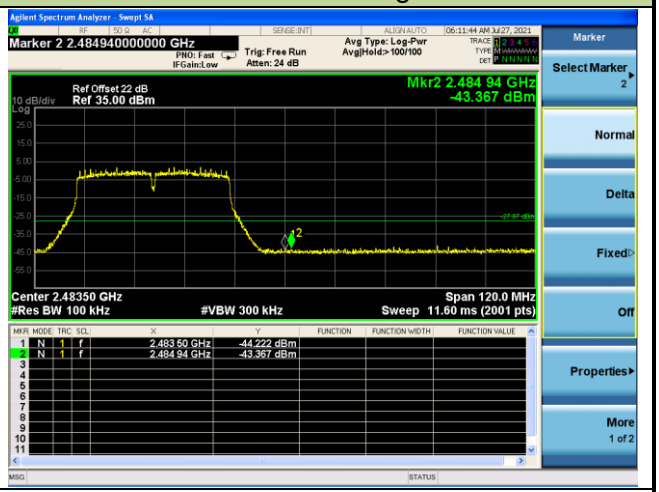


Channel 09 (2452MHz)

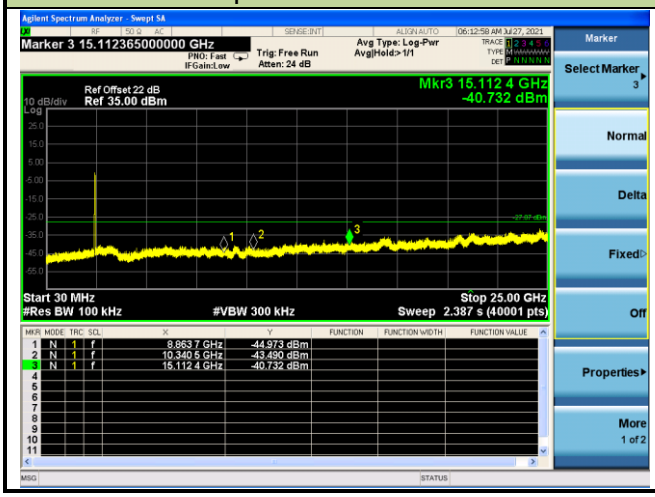
100kHz PSD Reference Level



Low Band Edge



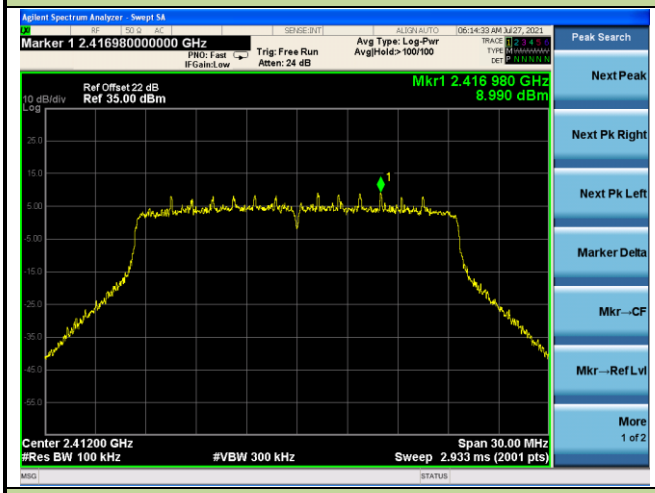
Spurious Emission



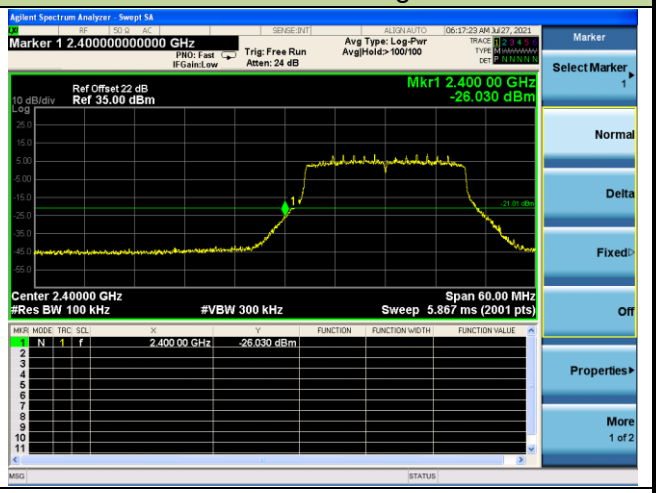
802.11ax-HE20 Out-of-Band Emissions -Ant 1

Channel 01 (2412MHz)

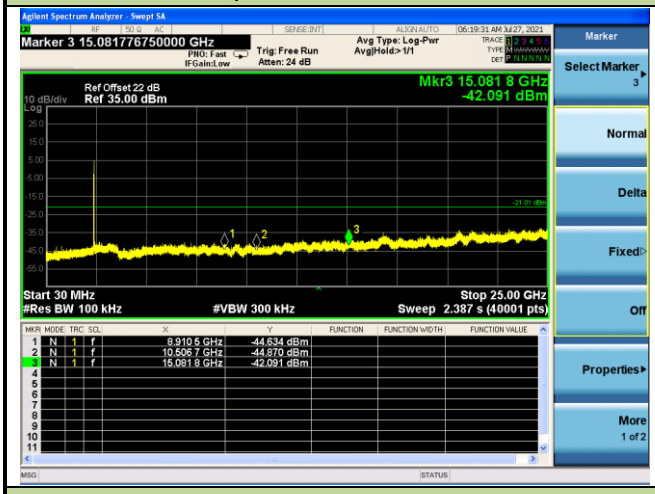
100kHz PSD Reference Level



Low Band Edge



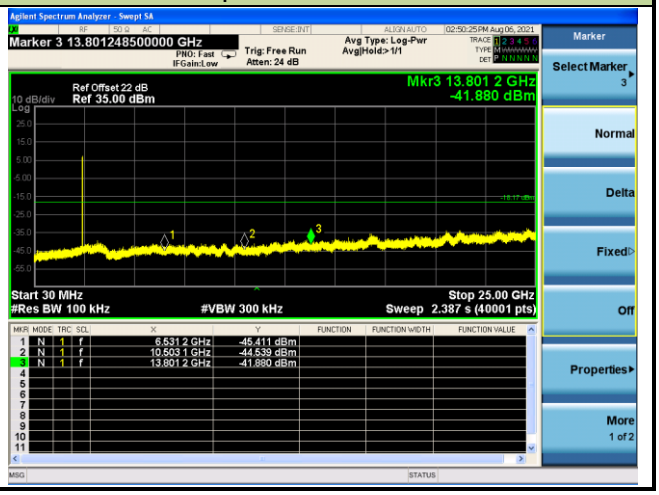
Spurious Emission

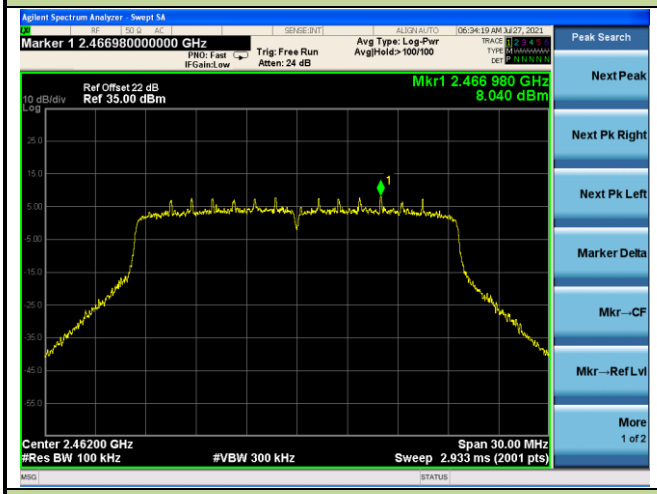
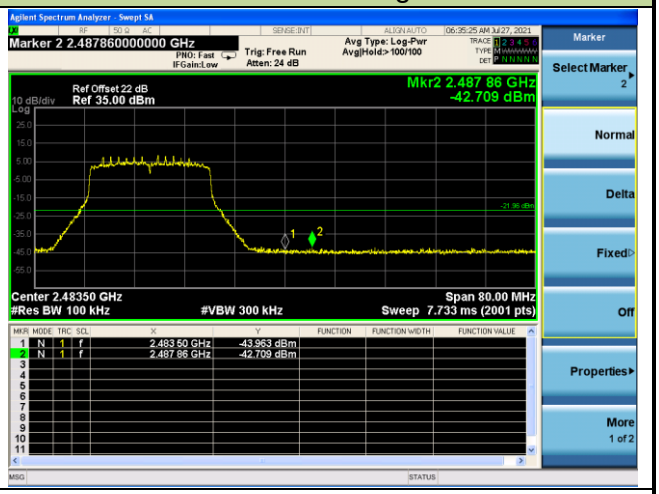
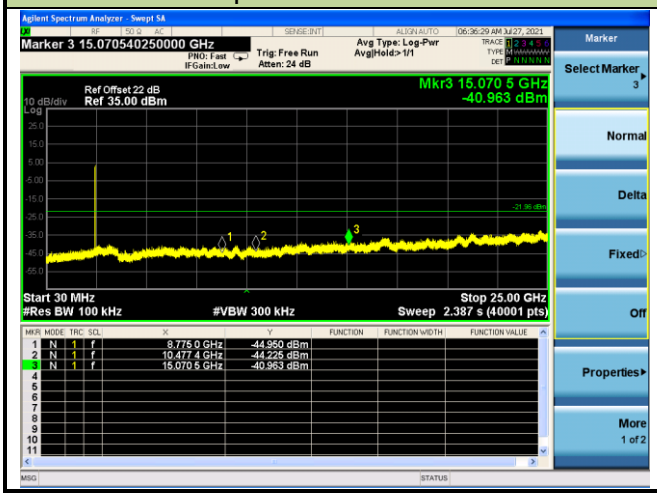


Channel 06 (2437MHz)

100kHz PSD Reference Level

Spurious Emission

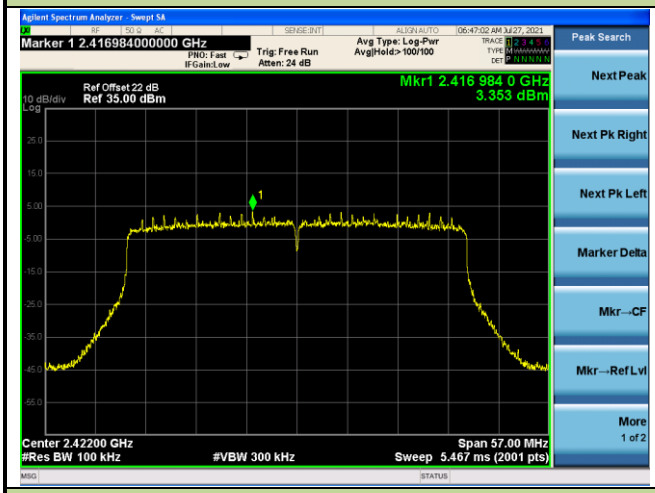


Channel 11 (2462MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	

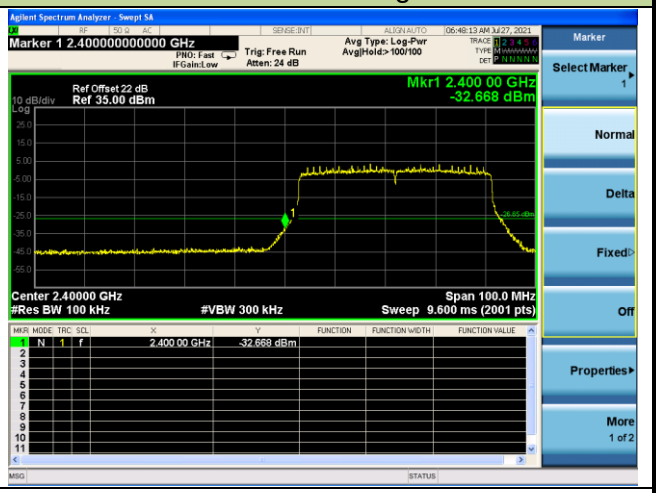
802.11ax-HE40 Out-of-Band Emissions - Ant 1

Channel 03 (2422MHz)

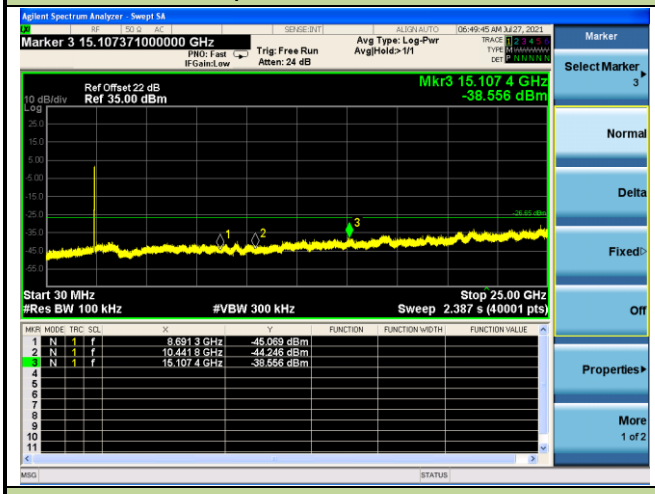
100kHz PSD Reference Level



Low Band Edge

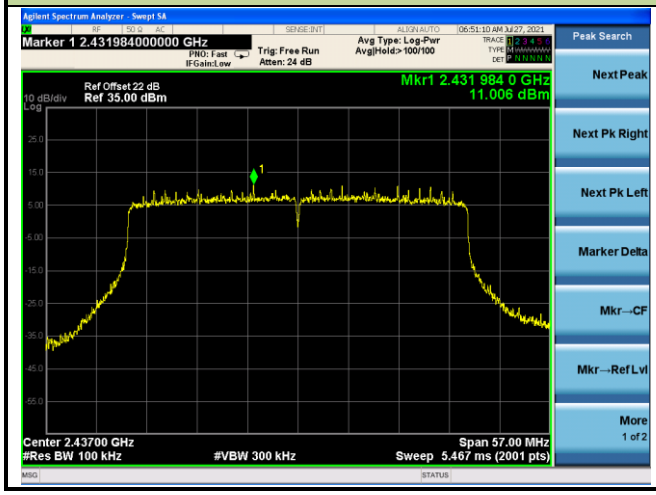


Spurious Emission

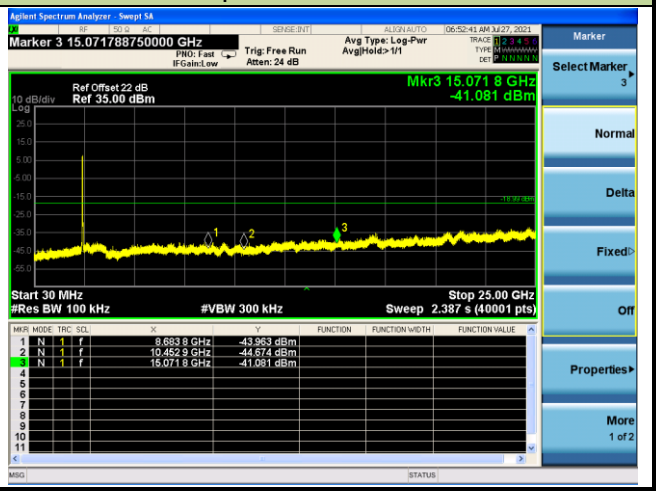


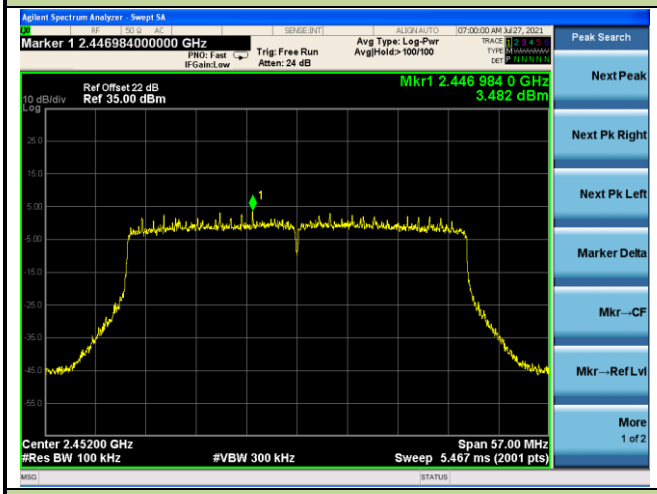
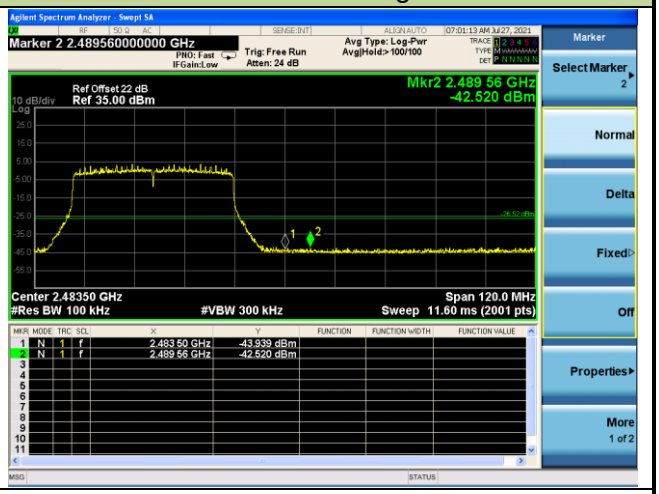
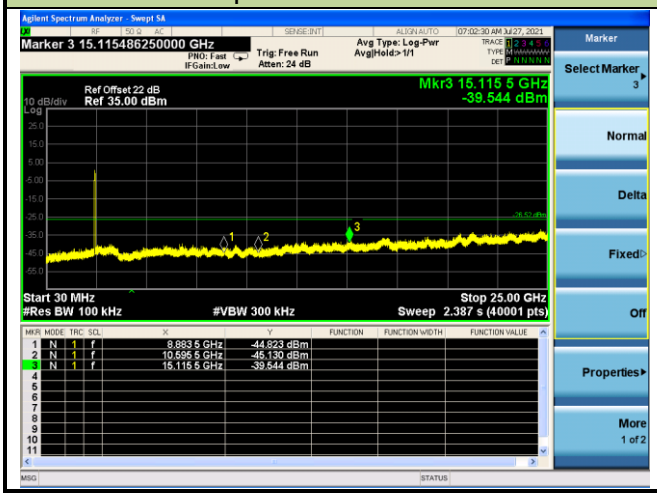
Channel 06 (2437MHz)

100kHz PSD Reference Level



Spurious Emission



Channel 09 (2452MHz)	
100kHz PSD Reference Level	Low Band Edge
	
Spurious Emission	
	

5.6. Radiated Spurious Emission Measurement

5.6.1.Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured 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

5.6.2.Test Procedure Used

ANSI C63.10 - 2013 - Section 11.11 & 11.12

ANSI C63.10 - 2013 - Section 6.3 (General Requirements)

ANSI C63.10 - 2013 - Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 - 2013 - Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 - 2013 - Section 6.6 (Standard test method above 1GHz)

5.6.3.Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000MHz	1MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. Span was set greater than 1MHz

3. RBW = as specified in Table 1

4. Detector = CISPR quasi-peak

5. Sweep time = auto couple

6. Trace was allowed to stabilize

Peak Measurements above 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW = 3MHz

4. Detector = peak

5. Sweep time = auto couple

6. Trace mode = max hold

7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest

2. RBW = 1MHz

3. VBW; If the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10 Hz.

If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.

4. Detector = Peak

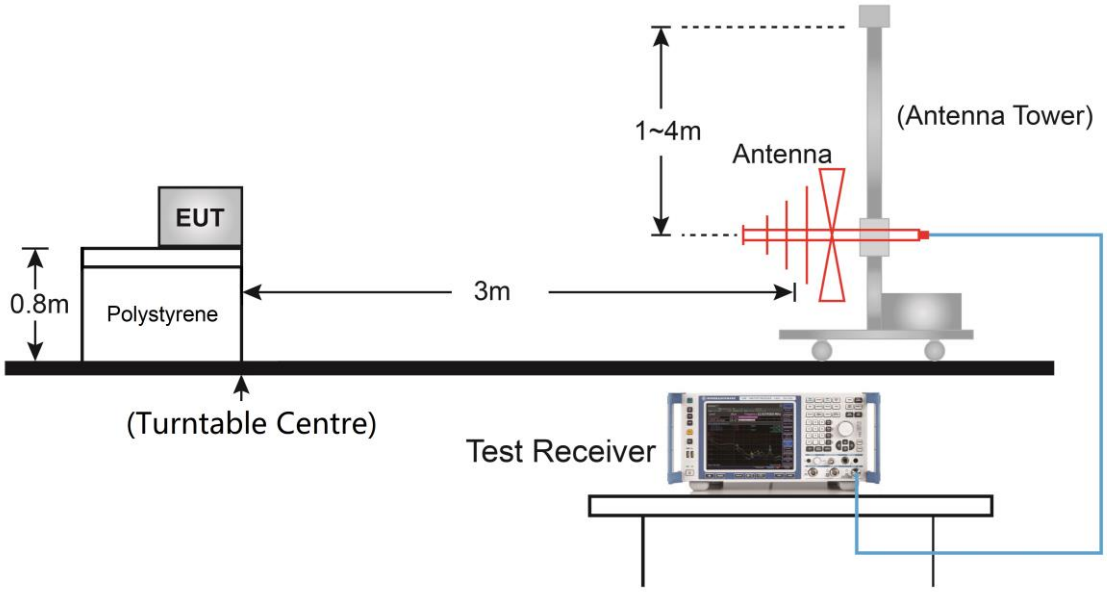
5. Sweep time = auto

6. Trace mode = max hold

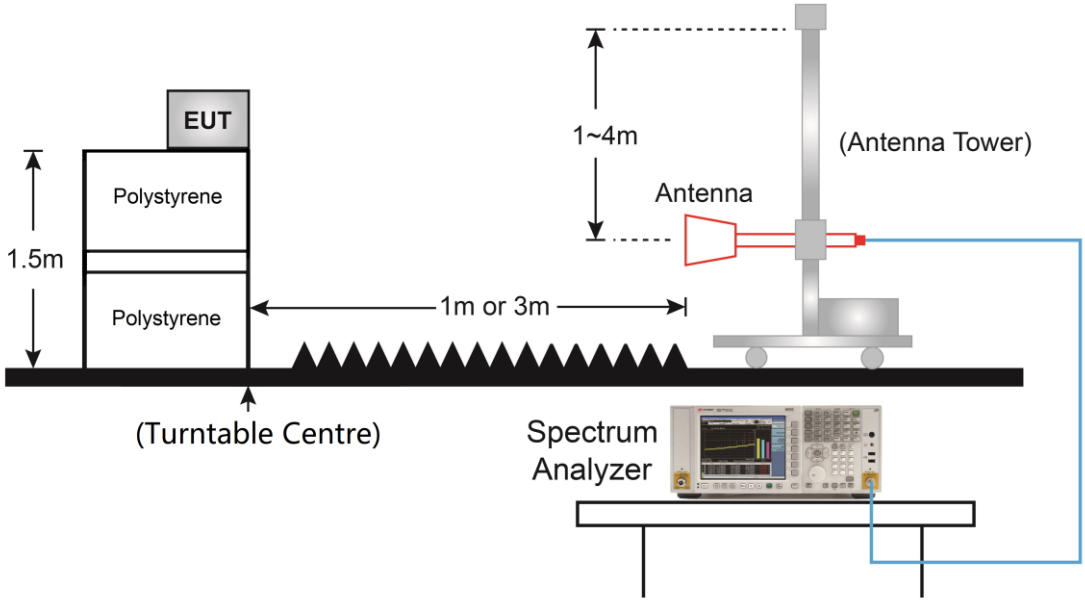
7. Trace was allowed to stabilize

5.6.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.6.5.Test Result

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/07/31	Test Mode	802.11b
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3762.5	43.5	-0.1	43.4	74.0	-30.6	Peak	Horizontal
	4995.0	39.6	3.6	43.2	74.0	-30.8	Peak	Horizontal
	11480.5	34.3	16.4	50.7	74.0	-23.3	Peak	Horizontal
	4672.0	39.3	3.0	42.3	74.0	-31.7	Peak	Vertical
	7485.5	36.4	10.5	46.9	74.0	-27.1	Peak	Vertical
	12424.0	36.8	15.2	52.0	74.0	-22.0	Peak	Vertical
06	3754.0	44.2	-0.1	44.1	74.0	-29.9	Peak	Horizontal
	4927.0	39.2	3.1	42.3	74.0	-31.7	Peak	Horizontal
	7426.0	36.0	10.5	46.5	74.0	-27.5	Peak	Horizontal
	4859.0	39.8	2.9	42.7	74.0	-31.3	Peak	Vertical
	7417.5	36.0	10.5	46.5	74.0	-27.5	Peak	Vertical
	11480.5	35.1	16.4	51.5	74.0	-22.5	Peak	Vertical
11	3771.0	44.3	0.0	44.3	74.0	-29.7	Peak	Horizontal
	4986.5	39.0	3.5	42.5	74.0	-31.5	Peak	Horizontal
	10809.0	36.3	15.5	51.8	74.0	-22.2	Peak	Horizontal
	5097.0	39.0	4.0	43.0	74.0	-31.0	Peak	Vertical
	7689.5	37.2	10.4	47.6	74.0	-26.4	Peak	Vertical
	11387.0	35.4	16.2	51.6	74.0	-22.4	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/07/31	Test Mode	802.11g
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3745.5	44.6	0.0	44.6	74.0	-29.4	Peak	Horizontal
	4638.0	40.3	2.8	43.1	74.0	-30.9	Peak	Horizontal
	11489.0	35.5	16.4	51.9	74.0	-22.1	Peak	Horizontal
	3958.0	40.5	0.1	40.6	74.0	-33.4	Peak	Vertical
	4995.0	38.9	3.6	42.5	74.0	-31.5	Peak	Vertical
	11055.5	35.8	16.1	51.9	74.0	-22.1	Peak	Vertical
06	3745.5	44.1	0.0	44.1	74.0	-29.9	Peak	Horizontal
	5071.5	38.7	3.9	42.6	74.0	-31.4	Peak	Horizontal
	10970.5	35.7	15.8	51.5	74.0	-22.5	Peak	Horizontal
	3745.5	42.3	0.0	42.3	74.0	-31.7	Peak	Vertical
	4995.0	38.4	3.6	42.0	74.0	-32.0	Peak	Vertical
	11395.5	35.1	16.1	51.2	74.0	-22.8	Peak	Vertical
11	3779.5	41.5	-0.1	41.4	74.0	-32.6	Peak	Horizontal
	4689.0	38.9	3.0	41.9	74.0	-32.1	Peak	Horizontal
	11956.5	35.7	15.5	51.2	74.0	-22.8	Peak	Horizontal
	3754.0	41.3	-0.1	41.2	74.0	-32.8	Peak	Vertical
	4663.5	39.7	3.0	42.7	74.0	-31.3	Peak	Vertical
	11506.0	35.4	16.3	51.7	74.0	-22.3	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/07/31	Test Mode	802.11n-HT20
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3711.5	43.1	-0.2	42.9	74.0	-31.1	Peak	Horizontal
	5054.5	39.4	3.7	43.1	74.0	-30.9	Peak	Horizontal
	12135.0	35.8	15.7	51.5	74.0	-22.5	Peak	Horizontal
	4315.0	41.1	1.4	42.5	74.0	-31.5	Peak	Vertical
	4646.5	39.6	2.8	42.4	74.0	-31.6	Peak	Vertical
	11480.5	34.8	16.4	51.2	74.0	-22.8	Peak	Vertical
06	3728.5	42.7	-0.1	42.6	74.0	-31.4	Peak	Horizontal
	5080.0	39.7	4.0	43.7	74.0	-30.3	Peak	Horizontal
	11132.0	34.9	16.2	51.1	74.0	-22.9	Peak	Horizontal
	3762.5	41.1	-0.1	41.0	74.0	-33.0	Peak	Vertical
	4986.5	39.7	3.5	43.2	74.0	-30.8	Peak	Vertical
	11421.0	35.5	15.9	51.4	74.0	-22.6	Peak	Vertical
11	3762.5	43.8	-0.1	43.7	74.0	-30.3	Peak	Horizontal
	5003.5	39.6	3.6	43.2	74.0	-30.8	Peak	Horizontal
	11387.0	35.6	16.2	51.8	74.0	-22.2	Peak	Horizontal
	3745.5	44.8	0.0	44.8	74.0	-29.2	Peak	Vertical
	4655.0	39.2	2.9	42.1	74.0	-31.9	Peak	Vertical
	11191.5	35.6	16.4	52.0	74.0	-22.0	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/07/31	Test Mode	802.11n-HT40
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	3754.0	44.8	-0.1	44.7	74.0	-29.3	Peak	Horizontal
	4680.5	39.5	3.0	42.5	74.0	-31.5	Peak	Horizontal
	11395.5	35.8	16.1	51.9	74.0	-22.1	Peak	Horizontal
	4315.0	40.3	1.4	41.7	74.0	-32.3	Peak	Vertical
	4638.0	40.3	2.8	43.1	74.0	-30.9	Peak	Vertical
	11183.0	35.7	16.3	52.0	74.0	-22.0	Peak	Vertical
06	3737.0	41.7	0.0	41.7	74.0	-32.3	Peak	Horizontal
	5071.5	38.5	3.9	42.4	74.0	-31.6	Peak	Horizontal
	11089.5	35.7	16.1	51.8	74.0	-22.2	Peak	Horizontal
	3737.0	41.1	0.0	41.1	74.0	-32.9	Peak	Vertical
	5054.5	38.7	3.7	42.4	74.0	-31.6	Peak	Vertical
	11446.5	35.9	15.9	51.8	74.0	-22.2	Peak	Vertical
09	3754.0	41.6	-0.1	41.5	74.0	-32.5	Peak	Horizontal
	4995.0	39.0	3.6	42.6	74.0	-31.4	Peak	Horizontal
	11718.5	35.7	16.2	51.9	74.0	-22.1	Peak	Horizontal
	3737.0	41.9	0.0	41.9	74.0	-32.1	Peak	Vertical
	4672.0	39.7	3.0	42.7	74.0	-31.3	Peak	Vertical
	11081.0	36.1	16.0	52.1	74.0	-21.9	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/07/31	Test Mode	802.11ax-HE20
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	3754.0	44.9	-0.1	44.8	74.0	-29.2	Peak	Horizontal
	4655.0	40.2	2.9	43.1	74.0	-30.9	Peak	Horizontal
	10775.0	36.8	15.5	52.3	74.0	-21.7	Peak	Horizontal
	3737.0	41.8	0.0	41.8	74.0	-32.2	Peak	Vertical
	4995.0	39.2	3.6	42.8	74.0	-31.2	Peak	Vertical
	12016.0	37.0	15.7	52.7	74.0	-21.3	Peak	Vertical
06	3737.0	42.1	0.0	42.1	74.0	-31.9	Peak	Horizontal
	4638.0	40.4	2.8	43.2	74.0	-30.8	Peak	Horizontal
	11149.0	35.1	16.0	51.1	74.0	-22.9	Peak	Horizontal
	3737.0	42.9	0.0	42.9	74.0	-31.1	Peak	Vertical
	4663.5	40.0	3.0	43.0	74.0	-31.0	Peak	Vertical
	12007.5	35.8	15.7	51.5	74.0	-22.5	Peak	Vertical
11	3771.0	44.1	0.0	44.1	74.0	-29.9	Peak	Horizontal
	5063.0	39.1	3.8	42.9	74.0	-31.1	Peak	Horizontal
	11370.0	35.2	15.9	51.1	74.0	-22.9	Peak	Horizontal
	4315.0	41.2	1.4	42.6	74.0	-31.4	Peak	Vertical
	4646.5	39.3	2.8	42.1	74.0	-31.9	Peak	Vertical
	11625.0	34.6	16.8	51.4	74.0	-22.6	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

Test Site	NS-AC1	Test Engineer	Dillon Diao
Test Date	2021/07/31	Test Mode	802.11ax-HE40
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

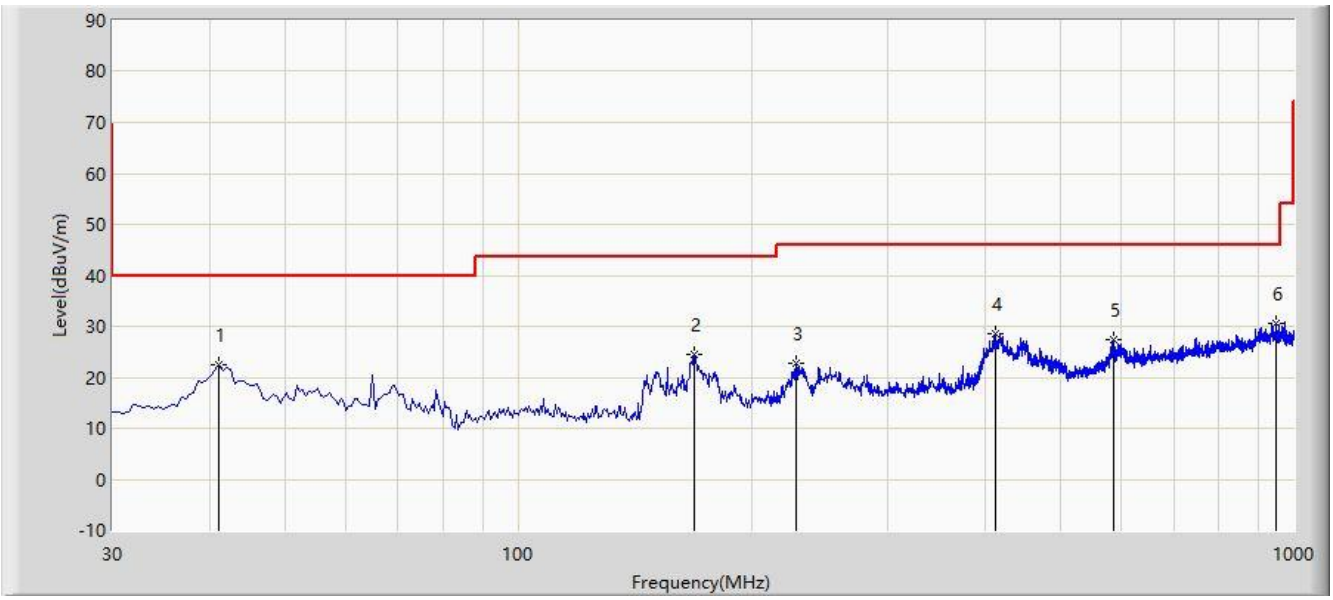
Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
03	3762.5	44.2	-0.1	44.1	74.0	-29.9	Peak	Horizontal
	5088.5	39.0	4.0	43.0	74.0	-31.0	Peak	Horizontal
	10851.5	37.5	15.7	53.2	74.0	-20.8	Peak	Horizontal
	3966.5	41.4	0.1	41.5	74.0	-32.5	Peak	Vertical
	4663.5	40.5	3.0	43.5	74.0	-30.5	Peak	Vertical
	11123.5	36.4	16.2	52.6	74.0	-21.4	Peak	Vertical
06	3754.0	44.1	-0.1	44.0	74.0	-30.0	Peak	Horizontal
	4986.5	39.0	3.5	42.5	74.0	-31.5	Peak	Horizontal
	11489.0	34.7	16.4	51.1	74.0	-22.9	Peak	Horizontal
	3737.0	41.6	0.0	41.6	74.0	-32.4	Peak	Vertical
	4706.0	37.6	3.0	40.6	74.0	-33.4	Peak	Vertical
	11276.5	35.9	16.1	52.0	74.0	-22.0	Peak	Vertical
09	3754.0	43.8	-0.1	43.7	74.0	-30.3	Peak	Horizontal
	4986.5	39.5	3.5	43.0	74.0	-31.0	Peak	Horizontal
	11820.5	35.9	15.5	51.4	74.0	-22.6	Peak	Horizontal
	3754.0	42.0	-0.1	41.9	74.0	-32.1	Peak	Vertical
	4680.5	39.5	3.0	42.5	74.0	-31.5	Peak	Vertical
	11344.5	36.8	15.4	52.2	74.0	-21.8	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

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

The Result of Radiated Emission below 1GHz:

Site: NS-AC1	Time: 2021/07/17 - 10:07
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_VULB9162	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			41.155	22.443	5.879	-17.557	40.000	16.565	PK
2			168.710	24.455	12.015	-19.045	43.500	12.440	PK
3			227.880	22.756	7.217	-23.244	46.000	15.539	PK
4			411.695	28.462	8.918	-17.538	46.000	19.544	PK
5			586.295	27.301	3.960	-18.699	46.000	23.342	PK
6		*	947.620	30.558	2.892	-15.442	46.000	27.666	PK

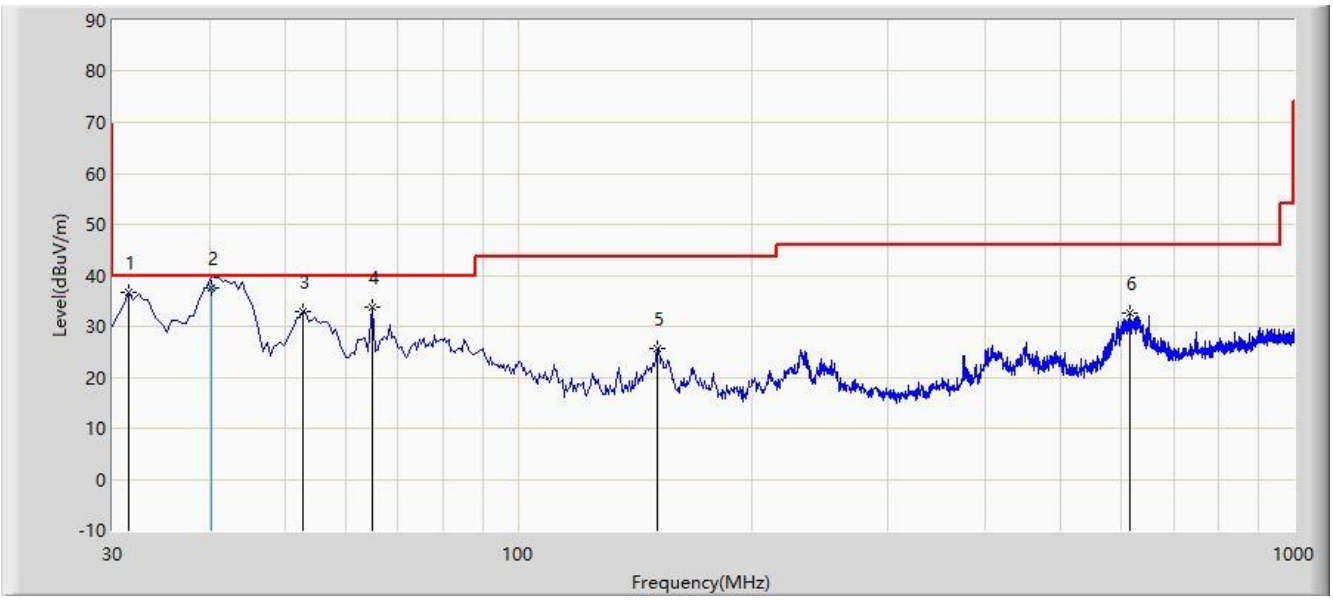
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: NS-AC1	Time: 2021/07/17 - 10:09
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_VULB9162	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			31.455	36.606	22.469	-3.394	40.000	14.137	PK
2		*	40.185	37.408	21.100	-2.592	40.000	16.308	QP
3			52.795	32.873	15.500	-7.127	40.000	17.373	PK
4			64.920	33.817	19.156	-6.183	40.000	14.661	PK
5			151.250	25.548	13.846	-17.952	43.500	11.702	PK
6			615.395	32.726	9.510	-13.274	46.000	23.216	PK

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

5.7. Radiated Restricted Band Edge Measurement

5.7.1.Test Limit

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1] 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41	--	--	--

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured 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

5.7.2.Test Procedure Used

ANSI C63.10-2013 Section 6.3

ANSI C63.10-2013 Section 6.6

ANSI C63.10-2013 Section 11.13

5.7.3.Test Setting

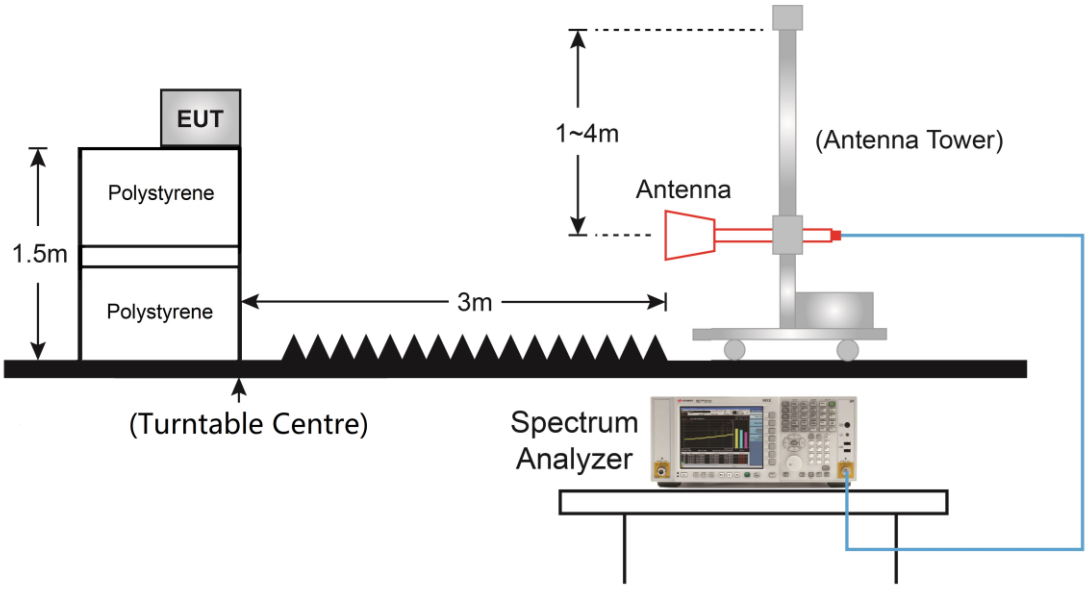
Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Field Strength Measurements

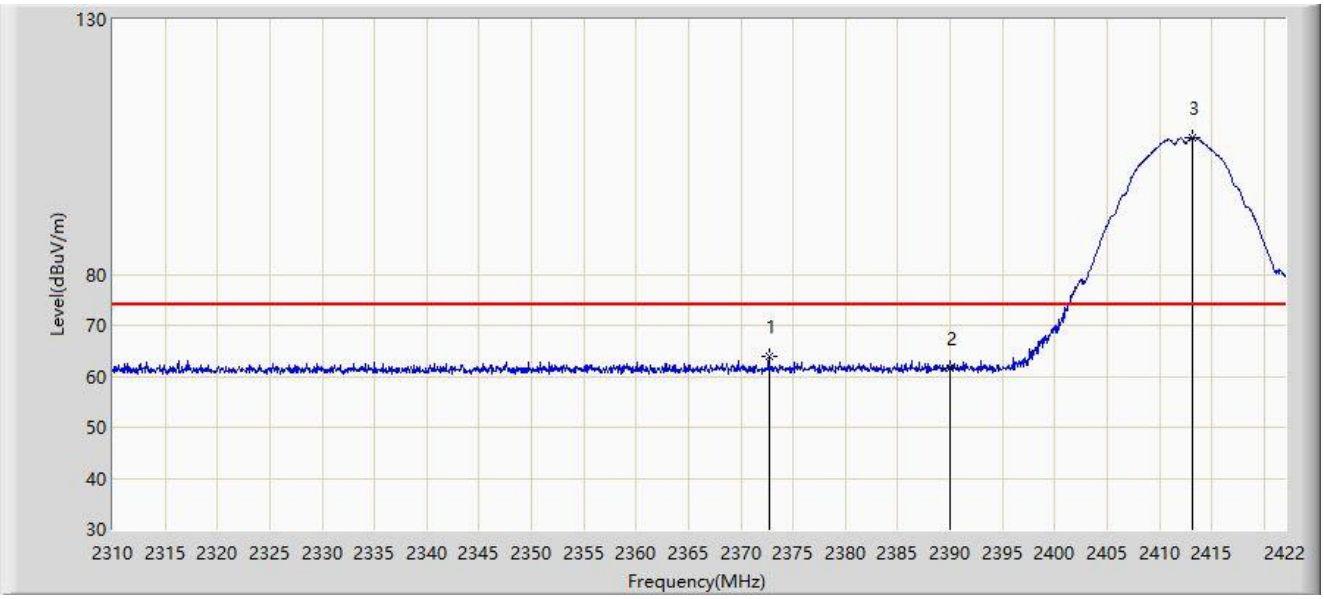
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW ≥ 1/T
4. As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to “Voltage” regardless of the display mode
5. Detector = Peak
6. Sweep time = auto
7. Trace mode = max hold
8. Allow max hold to run for at least 50 times (1/duty cycle) traces

5.7.4.Test Setup



5.7.5.Test Result

Site: NS-AC1	Time: 2021/08/07 - 15:25
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2412MHz	

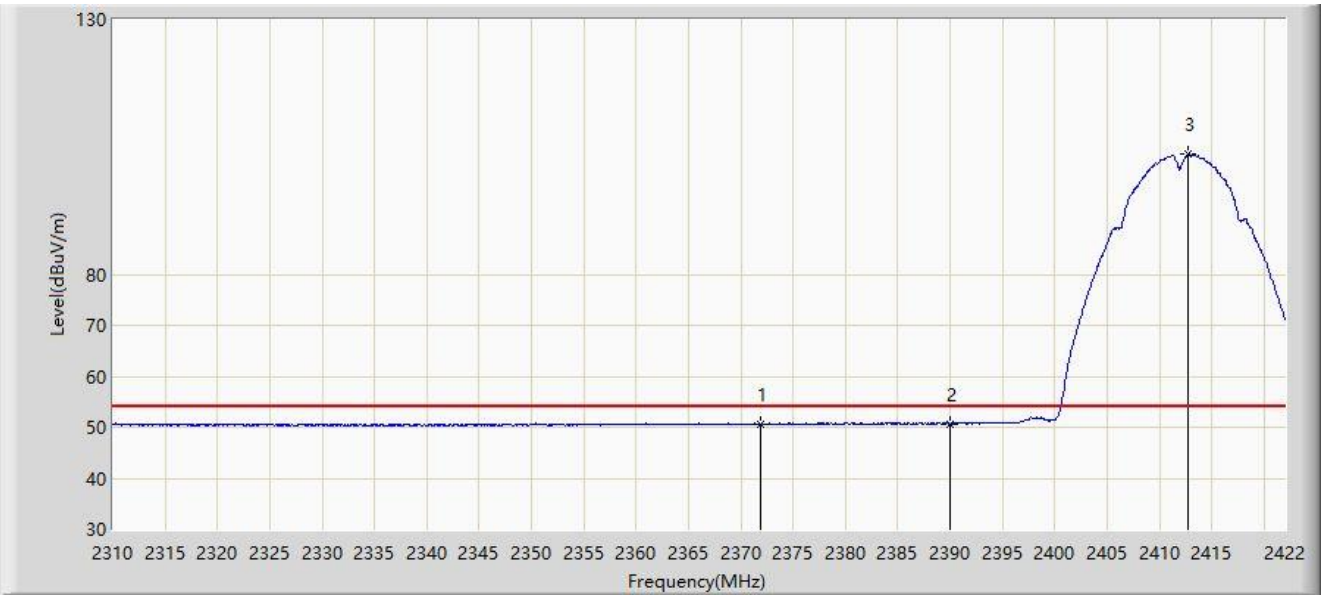


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1			2372.720	63.814	32.867	-10.186	74.000	30.947	PK
2			2390.000	61.611	30.705	-12.389	74.000	30.906	PK
3		*	2413.152	106.867	75.975	N/A	N/A	30.892	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:32
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2412MHz	

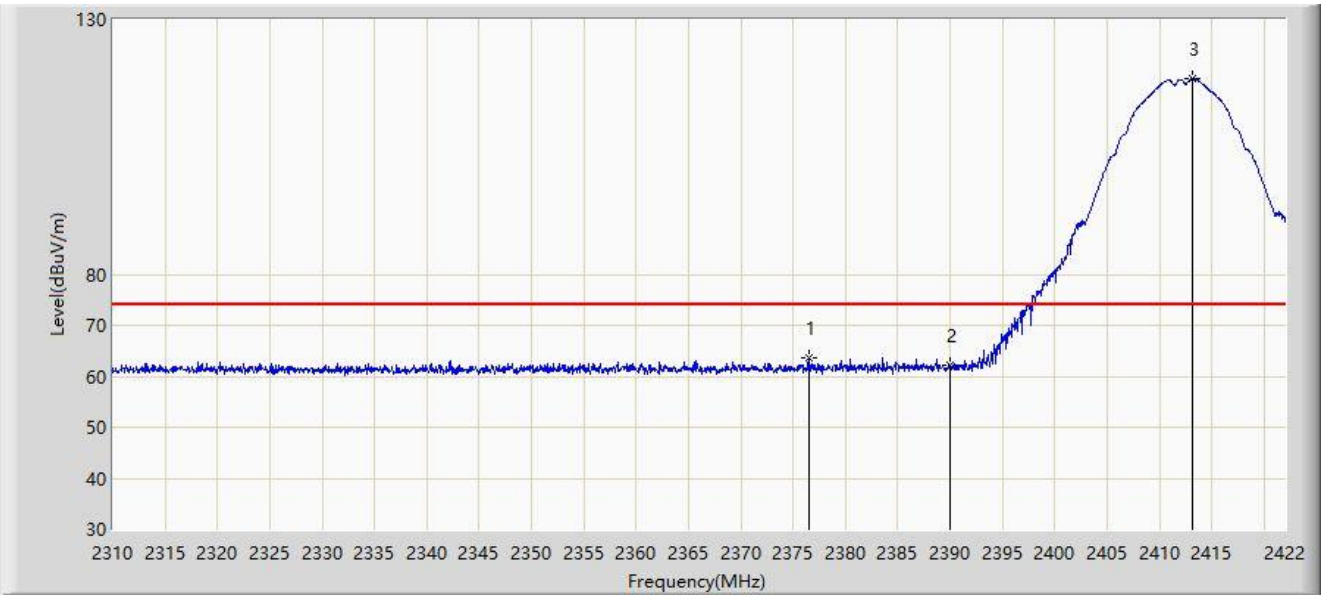


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2371.936	50.690	19.742	-3.310	54.000	30.948	AV
2			2390.000	50.716	19.810	-3.284	54.000	30.906	AV
3		*	2412.704	103.496	72.603	N/A	N/A	30.892	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:35
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2412MHz	

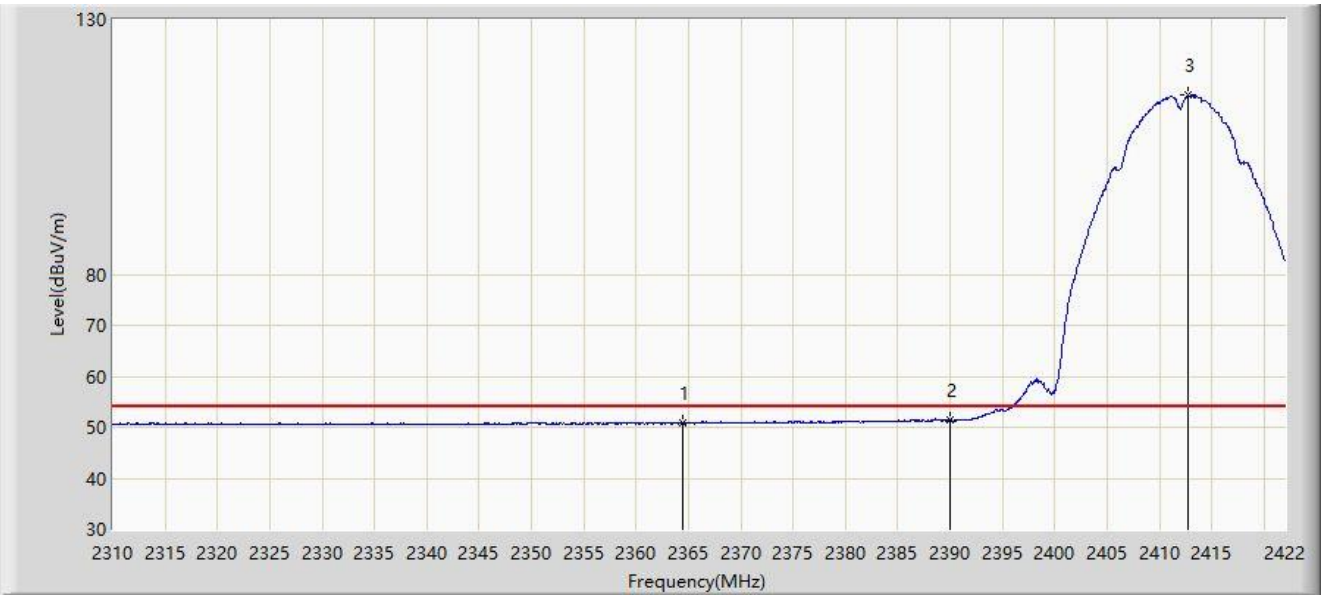


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2376.472	63.556	32.618	-10.444	74.000	30.938	PK
2			2390.000	62.075	31.169	-11.925	74.000	30.906	PK
3		*	2413.096	118.360	87.468	N/A	N/A	30.892	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:37
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2412MHz	

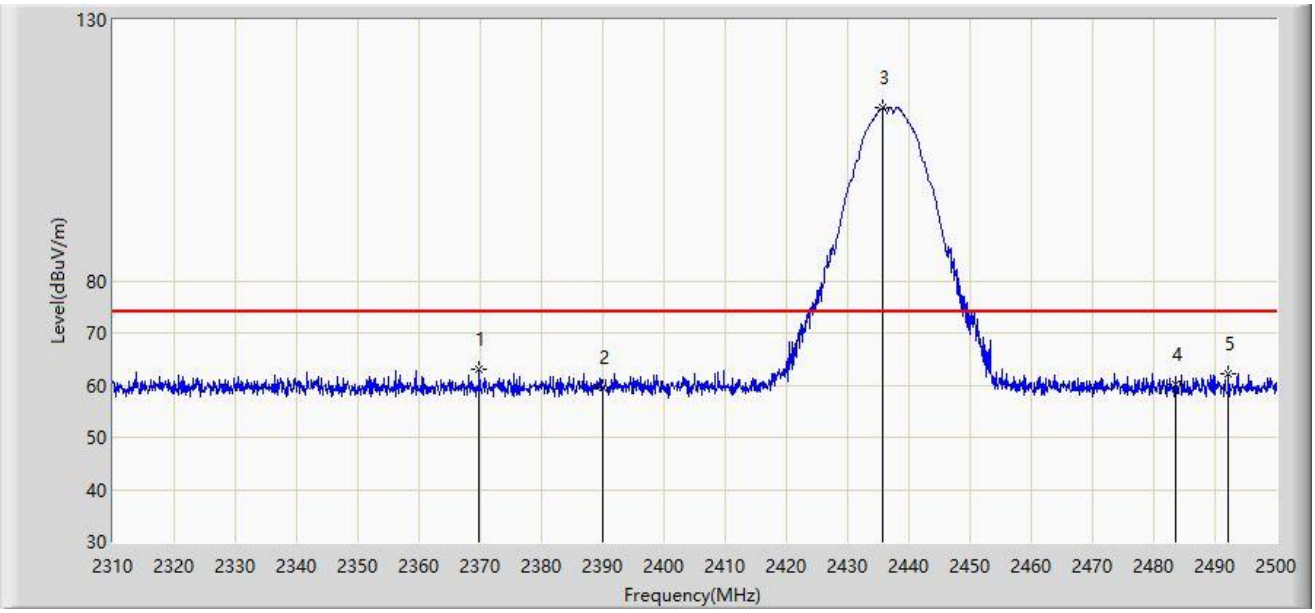


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2364.432	50.998	20.032	-3.002	54.000	30.966	AV
2			2390.000	51.375	20.469	-2.625	54.000	30.906	AV
3	X	*	2412.704	115.088	84.195	N/A	N/A	30.892	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:12
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

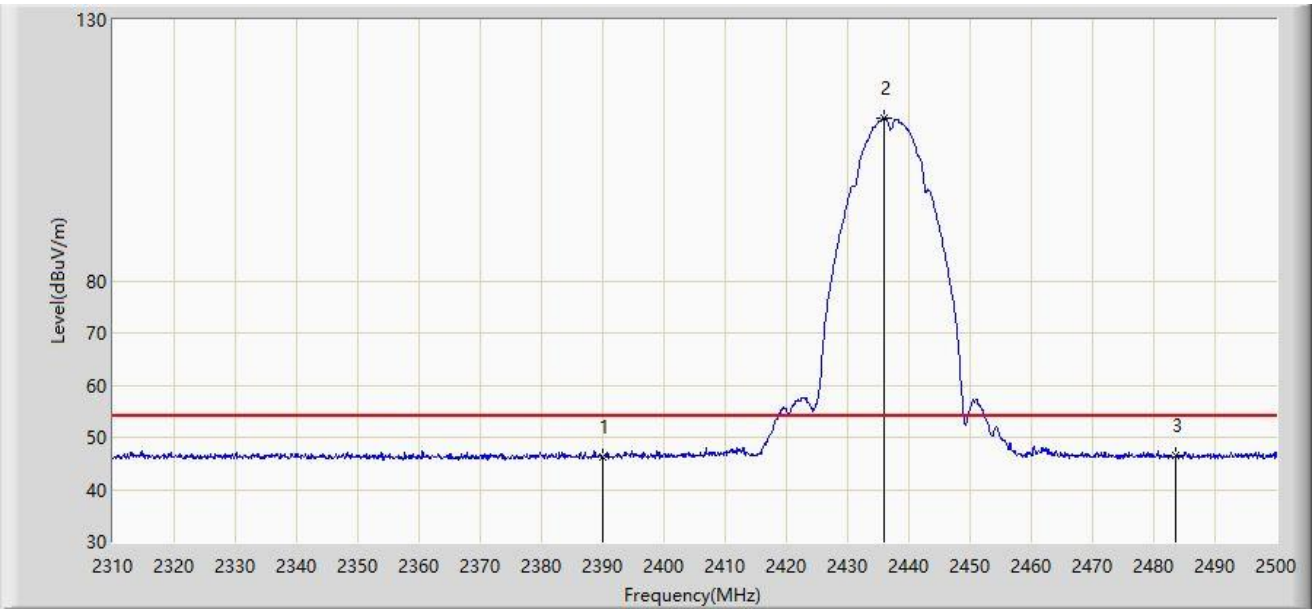


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2369.850	62.951	31.898	-11.049	74.000	31.053	PK
2			2390.000	59.561	28.528	-14.439	74.000	31.034	PK
3		*	2435.685	113.083	82.178	N/A	N/A	30.905	PK
4			2483.500	60.267	29.379	-13.733	74.000	30.888	PK
5			2492.210	62.310	31.395	-11.690	74.000	30.915	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:15
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

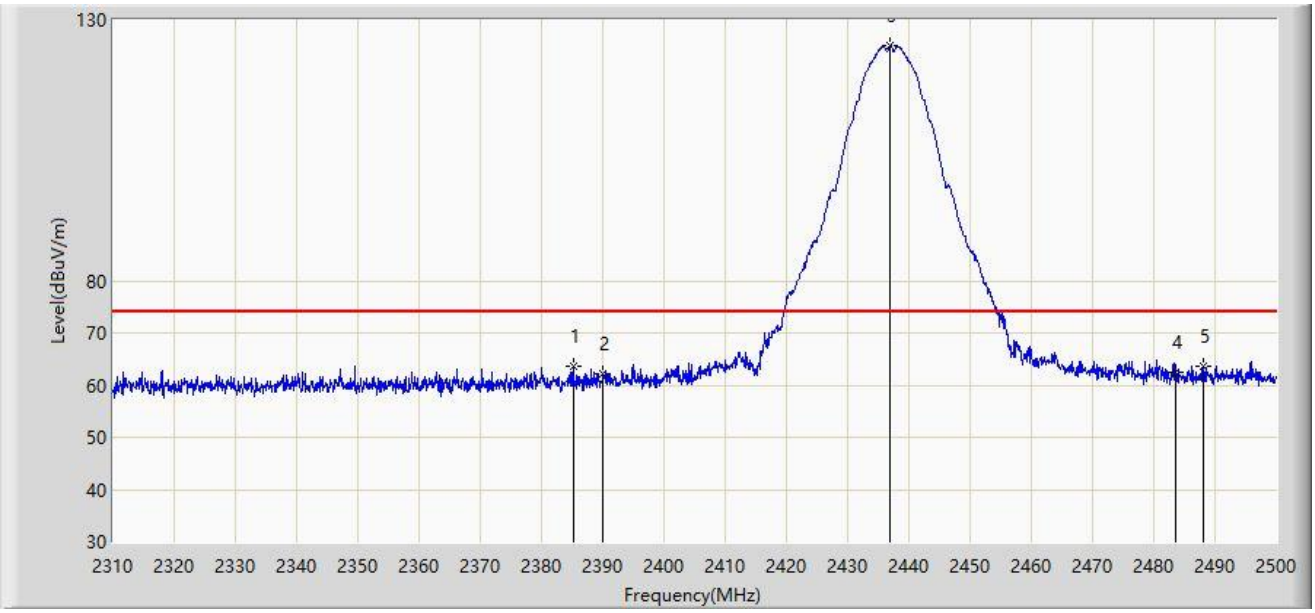


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	46.110	15.077	-7.890	54.000	31.034	AV
2	X	*	2435.970	111.258	80.352	N/A	N/A	30.906	AV
3			2483.500	46.501	15.613	-7.499	54.000	30.888	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:11
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

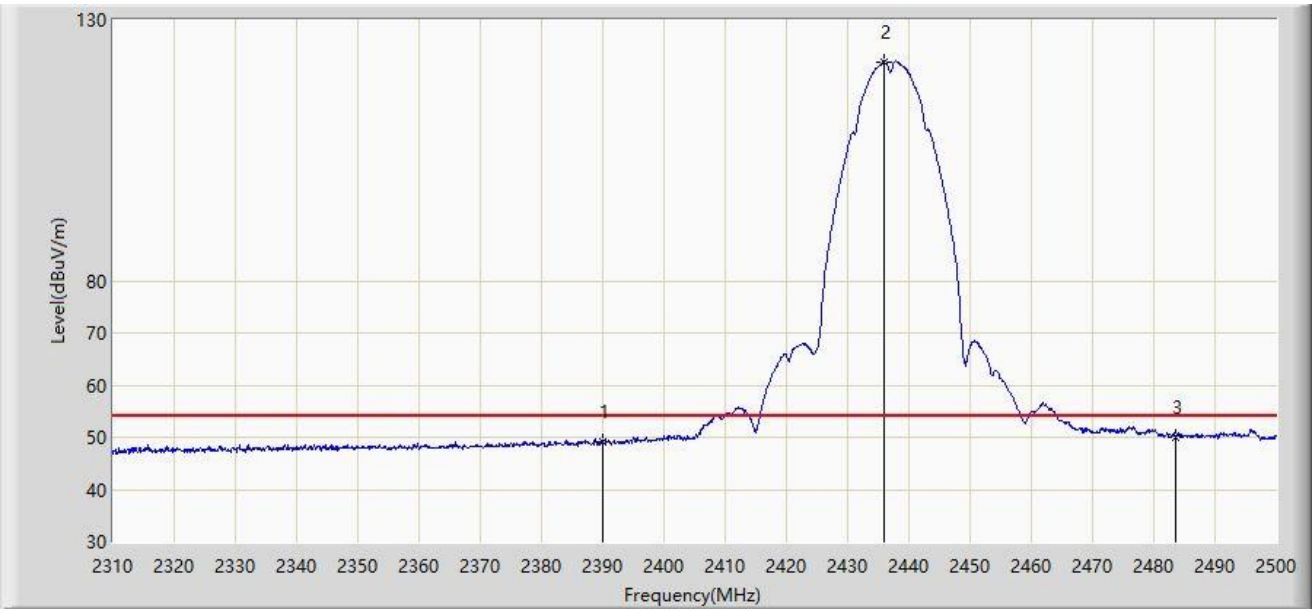


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2385.145	63.518	32.480	-10.482	74.000	31.038	PK
2			2390.000	62.062	31.029	-11.938	74.000	31.034	PK
3		*	2437.015	124.944	94.037	N/A	N/A	30.907	PK
4			2483.500	62.427	31.539	-11.573	74.000	30.888	PK
5			2488.125	63.603	32.700	-10.397	74.000	30.903	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 17:49
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

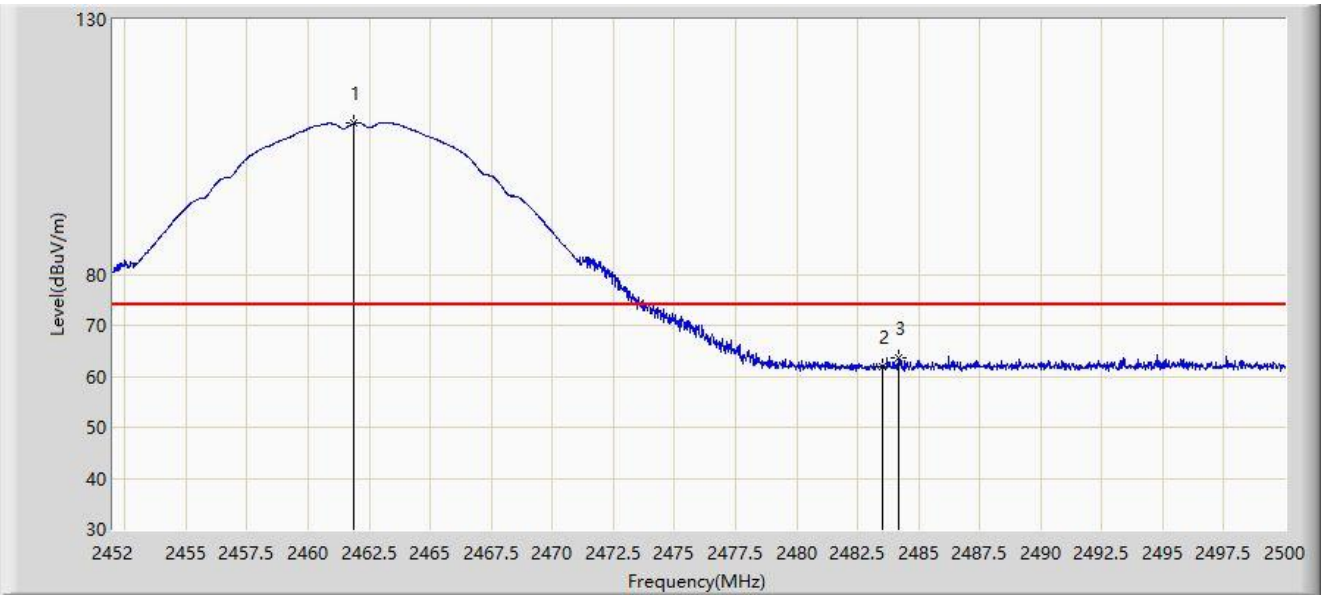


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	49.000	17.967	-5.000	54.000	31.034	AV
2		*	2435.970	122.022	91.116	N/A	N/A	30.906	AV
3			2483.500	50.141	19.253	-3.859	54.000	30.888	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:41
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2462MHz	

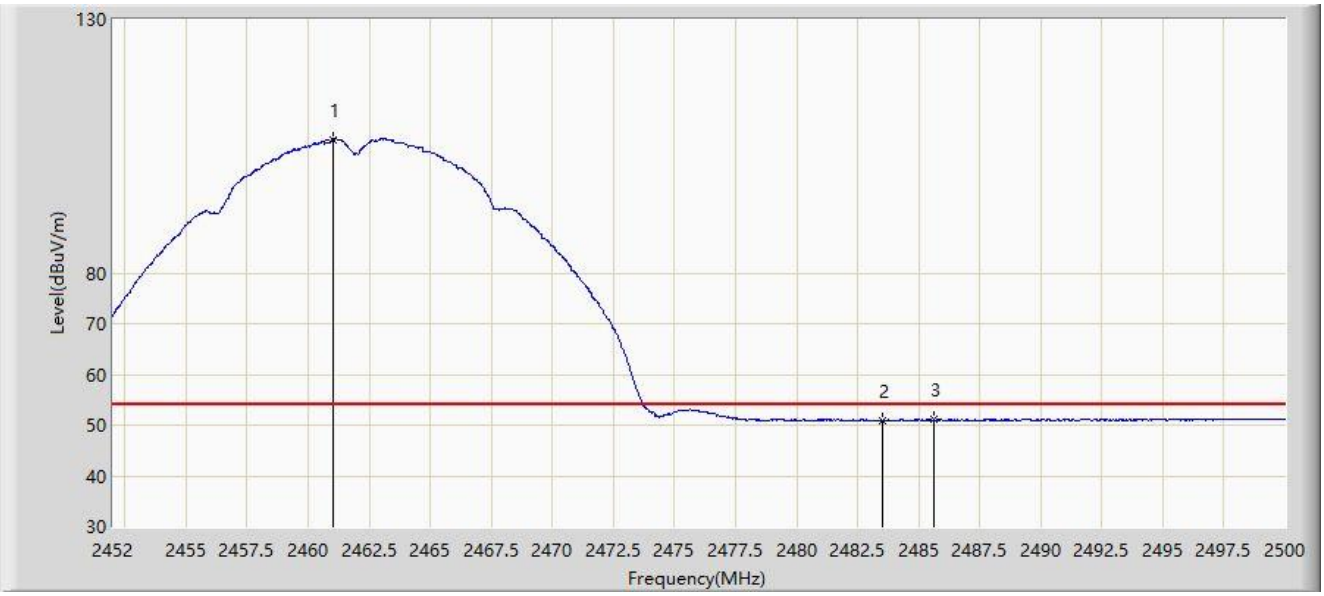


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2461.864	109.666	78.816	N/A	N/A	30.850	PK
2			2483.500	61.805	30.917	-12.195	74.000	30.888	PK
3			2484.184	63.640	32.752	-10.360	74.000	30.888	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:44
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2462MHz	

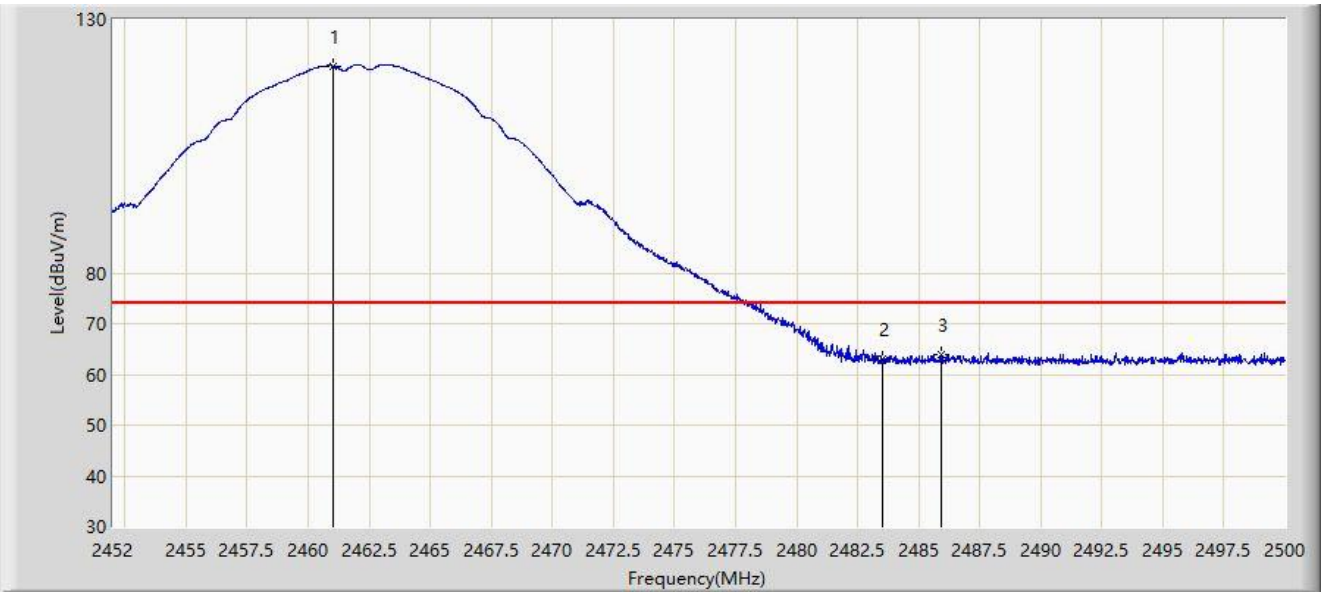


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2461.000	106.303	75.453	N/A	N/A	30.850	AV
2			2483.500	50.898	20.010	-3.102	54.000	30.888	AV
3			2485.600	51.095	20.208	-2.905	54.000	30.887	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:46
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2462MHz	

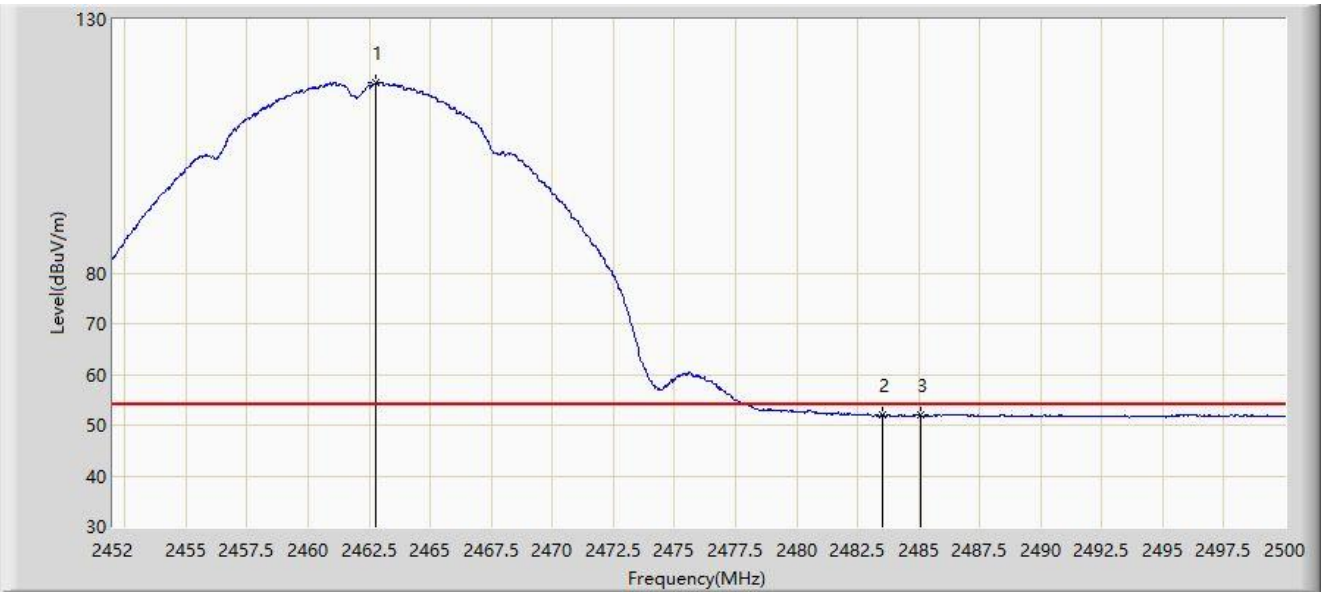


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2461.000	120.858	90.008	N/A	N/A	30.850	PK
2			2483.500	63.185	32.297	-10.815	74.000	30.888	PK
3			2485.912	63.862	32.976	-10.138	74.000	30.886	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/08/07 - 15:49
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode Transmit by 802.11b at channel 2462MHz	

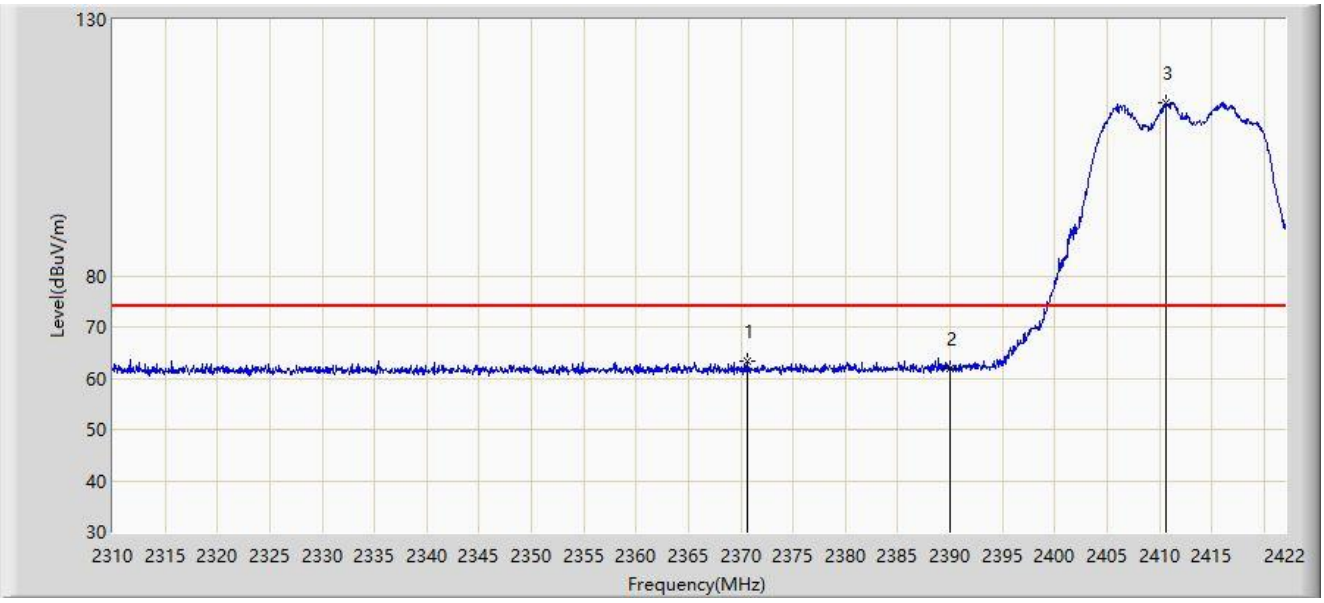


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	X	*	2462.752	117.439	86.588	N/A	N/A	30.851	AV
2			2483.500	52.054	21.166	-1.946	54.000	30.888	AV
3			2485.072	51.945	21.058	-2.055	54.000	30.887	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 12:55
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

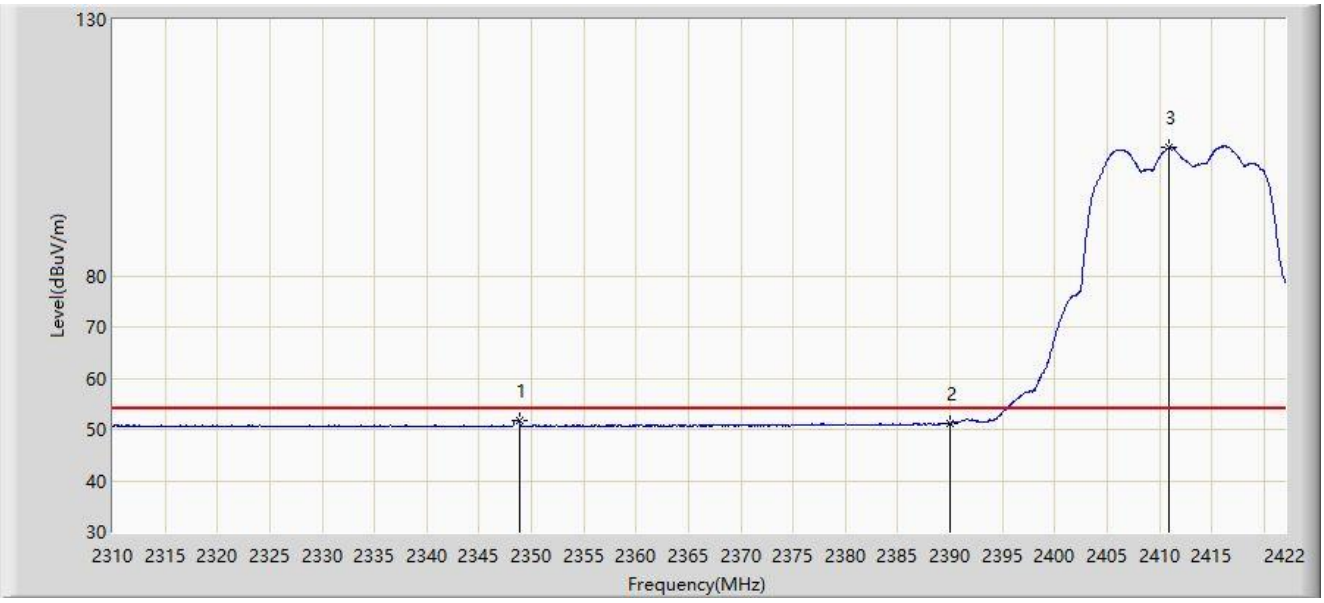


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2370.648	63.456	32.505	-10.544	74.000	30.952	PK
2			2390.000	61.821	30.915	-12.179	74.000	30.906	PK
3		*	2410.632	113.696	82.800	N/A	N/A	30.896	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 12:57
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

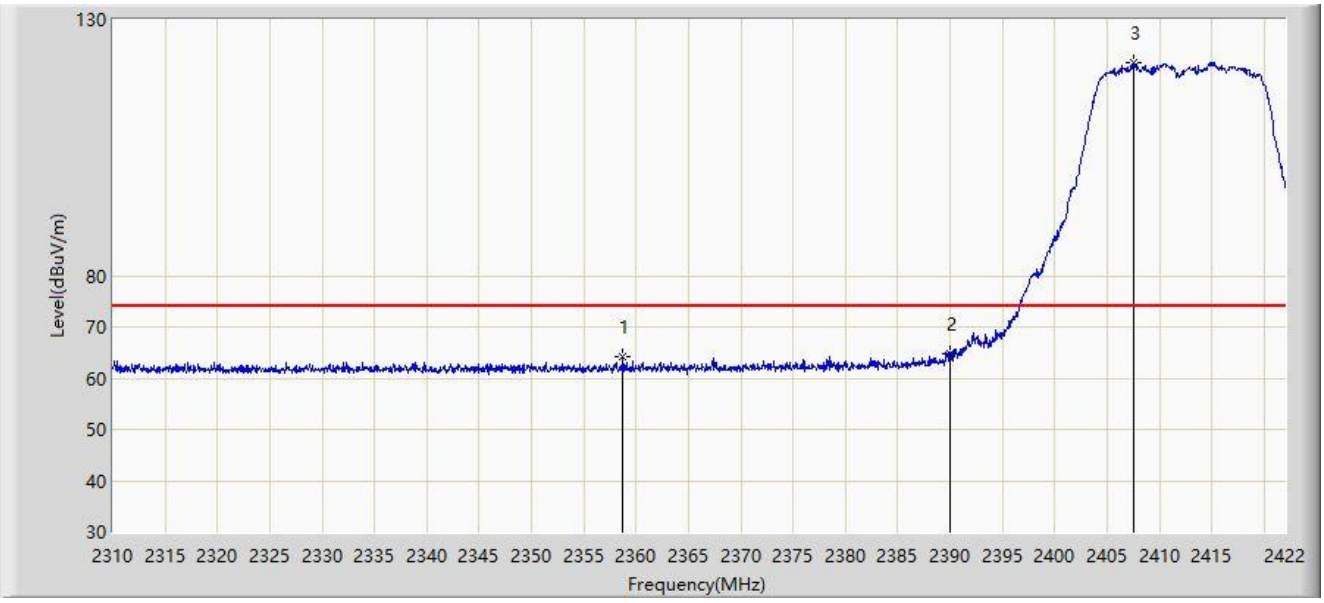


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2348.808	51.701	20.697	-2.299	54.000	31.004	AV
2			2390.000	51.241	20.335	-2.759	54.000	30.906	AV
3		*	2410.968	105.134	74.238	N/A	N/A	30.896	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 12:53
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

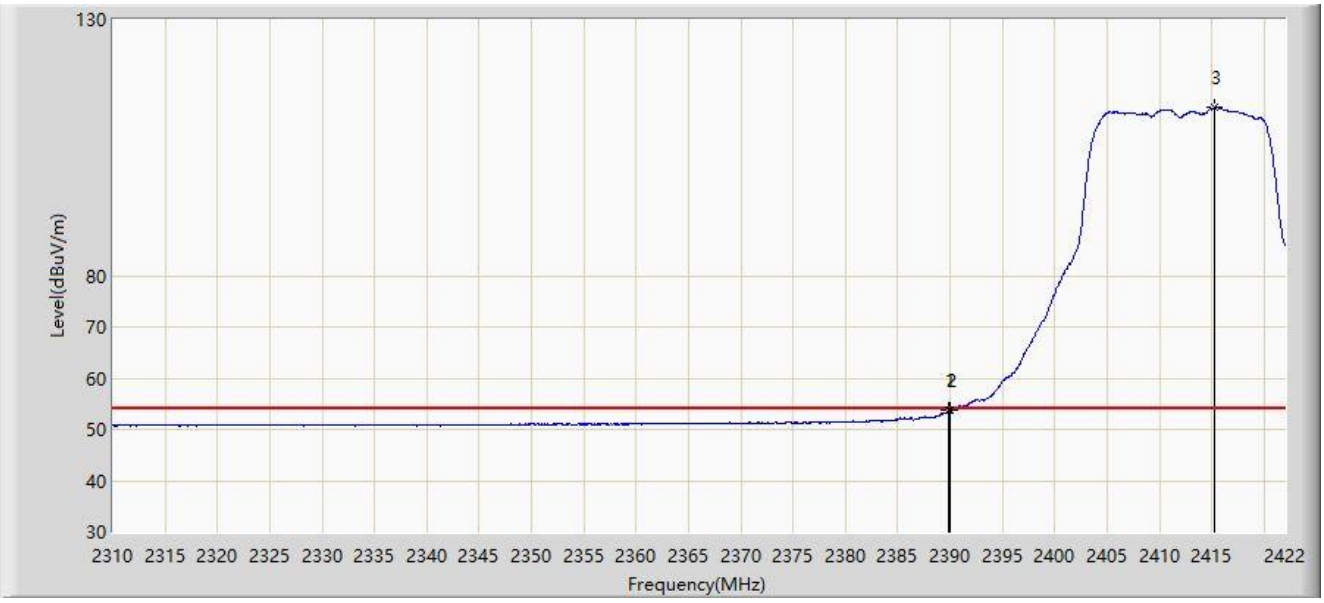


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2358.720	64.310	33.331	-9.690	74.000	30.979	PK
2			2390.000	64.643	33.737	-9.357	74.000	30.906	PK
3		*	2407.608	121.679	90.783	N/A	N/A	30.896	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 12:51
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz	

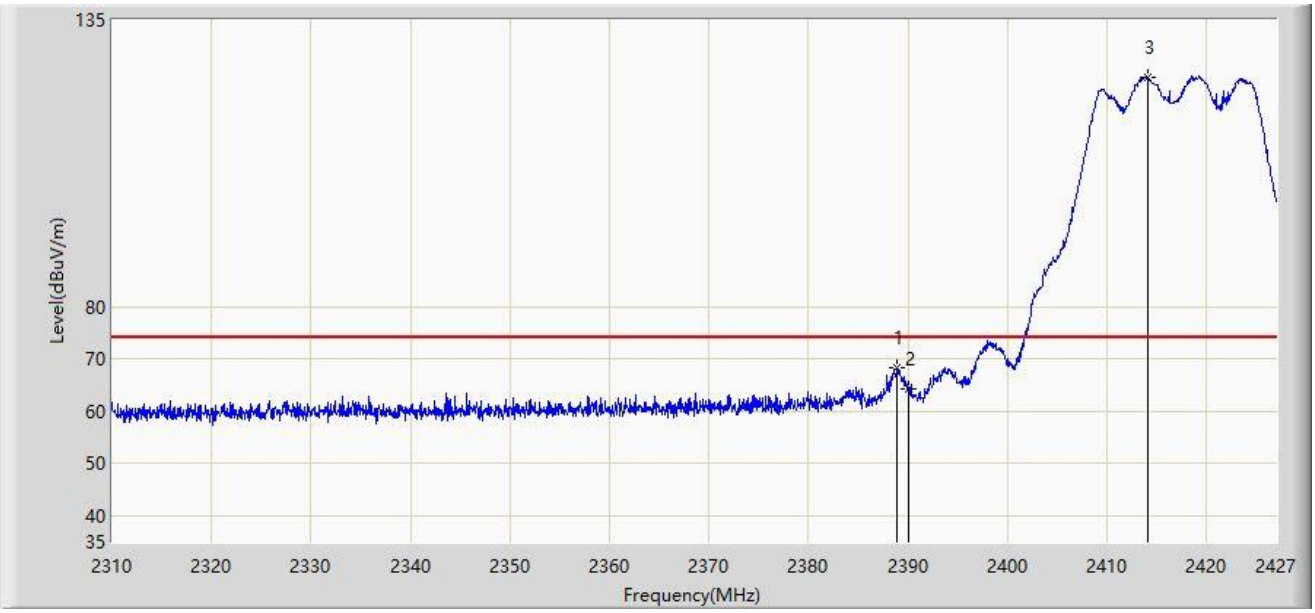


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2389.912	53.715	22.809	-0.285	54.000	30.906	AV
2			2390.000	53.742	22.836	-0.258	54.000	30.906	AV
3		*	2415.224	112.814	81.926	N/A	N/A	30.889	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 20:47
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2417MHz	

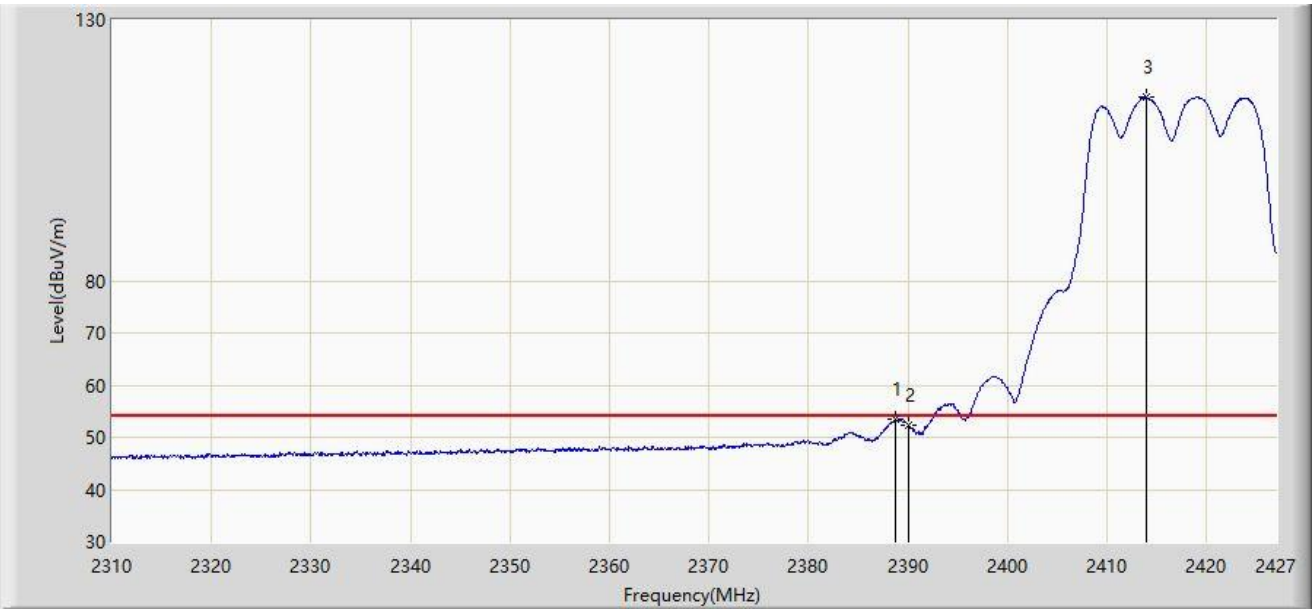


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2388.917	68.196	37.162	-5.804	74.000	31.035	PK
2			2390.000	64.381	33.348	-9.619	74.000	31.034	PK
3		*	2414.072	123.993	93.051	N/A	N/A	30.942	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 20:43
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2417MHz	

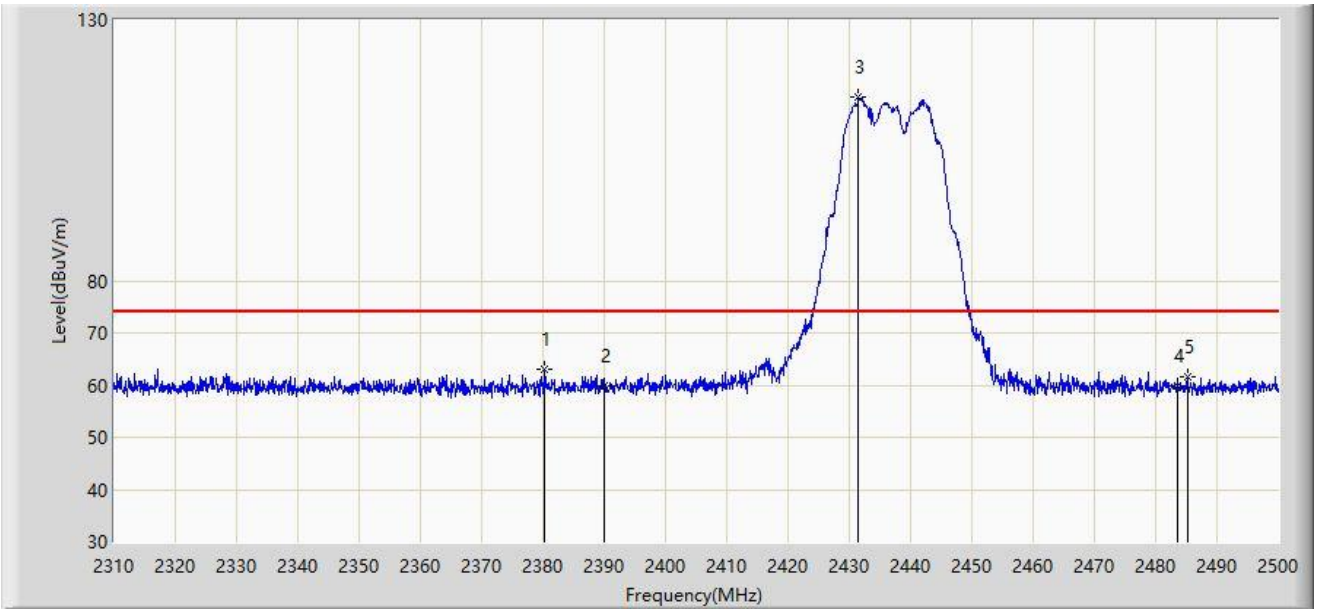


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2388.800	53.481	22.447	-0.519	54.000	31.034	AV
2			2390.000	52.433	21.400	-1.567	54.000	31.034	AV
3	X	*	2413.955	115.153	84.318	N/A	N/A	30.835	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:22
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

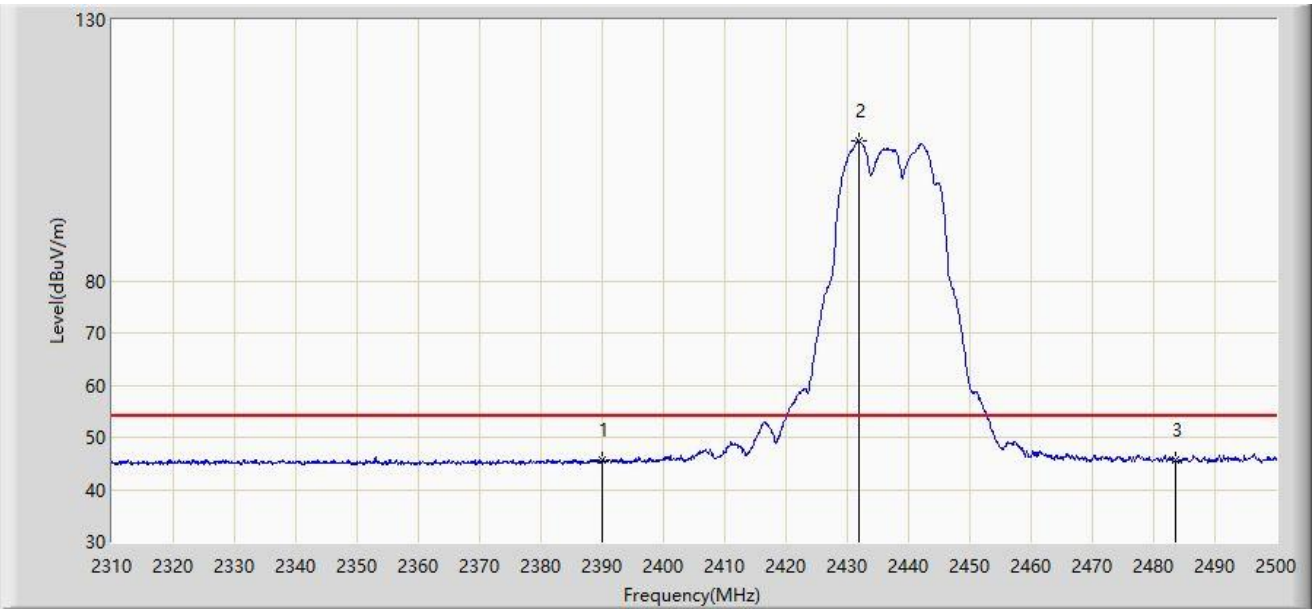


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2380.300	63.049	32.007	-10.951	74.000	31.042	PK
2			2390.000	59.742	28.709	-14.258	74.000	31.034	PK
3		*	2431.505	115.304	84.405	N/A	N/A	30.899	PK
4			2483.500	59.874	28.986	-14.126	74.000	30.888	PK
5			2485.180	61.699	30.806	-12.301	74.000	30.893	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:24
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

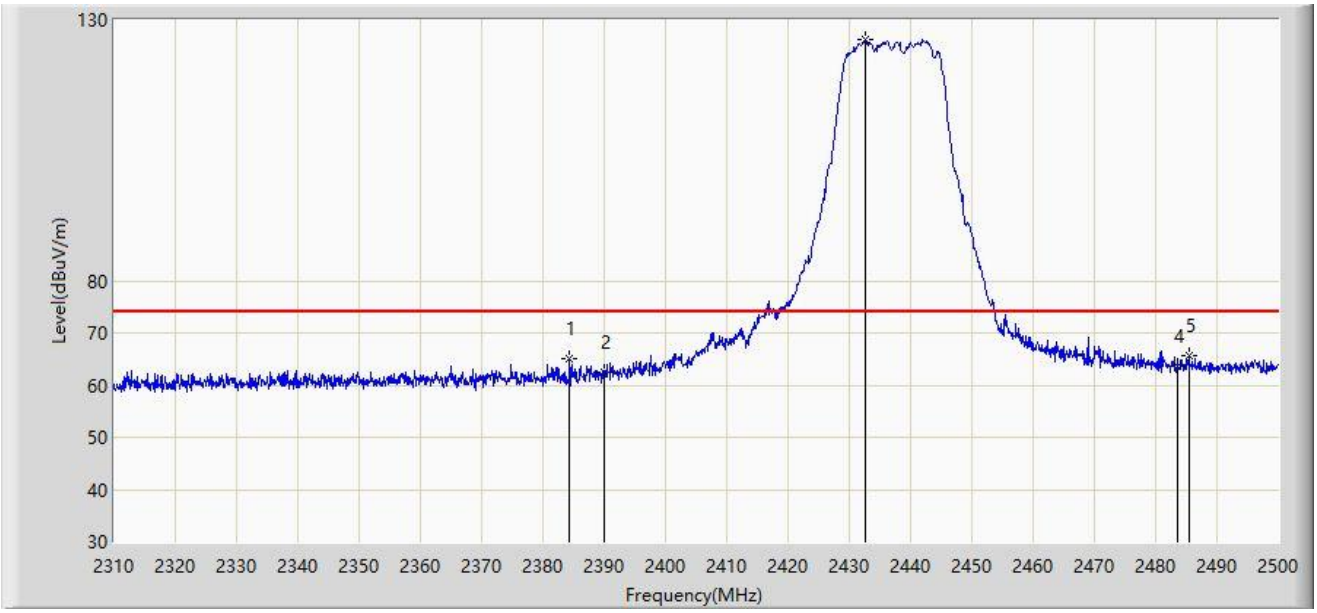


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	45.766	14.733	-8.234	54.000	31.034	AV
2		*	2431.790	106.872	75.972	N/A	N/A	30.900	AV
3			2483.500	45.663	14.775	-8.337	54.000	30.888	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:21
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

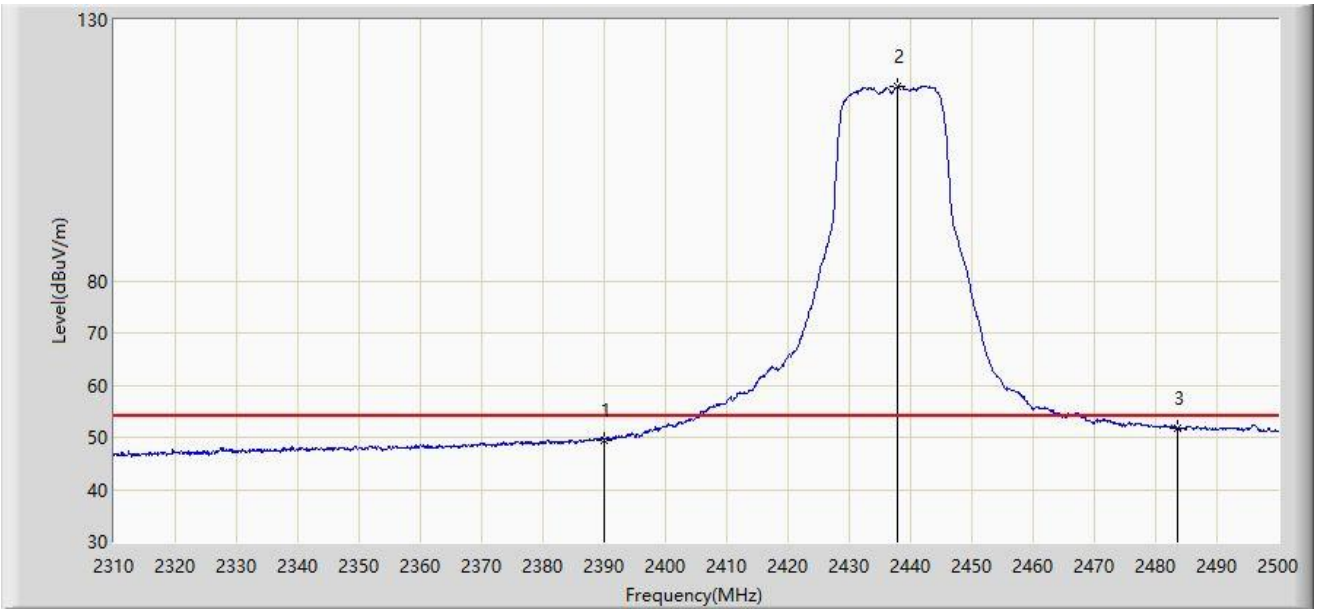


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2384.385	64.975	33.936	-9.025	74.000	31.039	PK
2			2390.000	62.573	31.540	-11.427	74.000	31.034	PK
3		*	2432.645	126.169	95.268	N/A	N/A	30.901	PK
4			2483.500	63.570	32.682	-10.430	74.000	30.888	PK
5			2485.370	65.510	34.616	-8.490	74.000	30.894	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 19:17
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2437MHz	

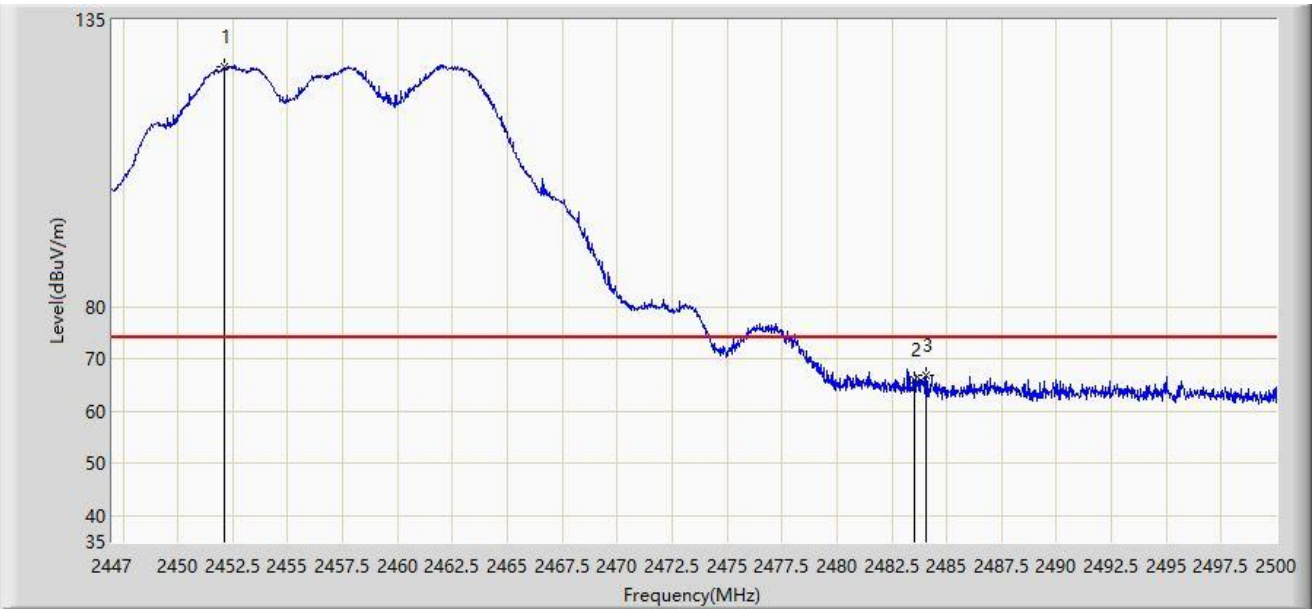


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	49.524	18.491	-4.476	54.000	31.034	AV
2	X	*	2437.775	117.184	86.276	N/A	N/A	30.909	AV
3			2483.500	51.763	20.875	-2.237	54.000	30.888	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 21:07
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2457MHz	

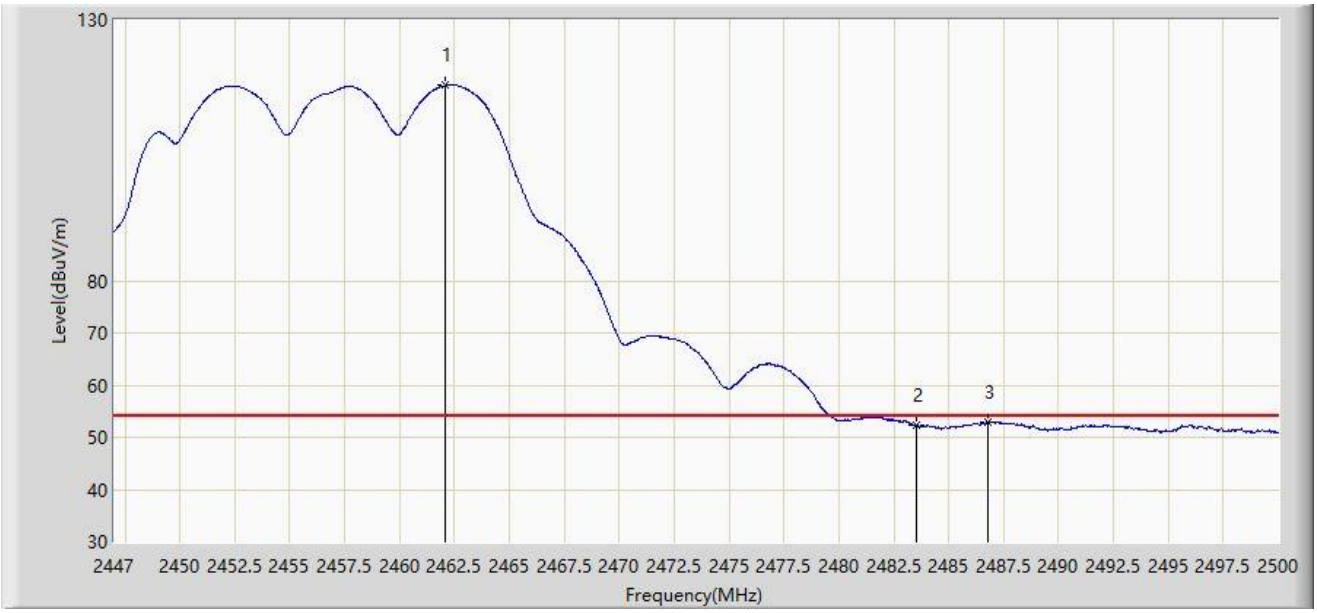


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2452.115	126.154	95.253	N/A	N/A	30.902	PK
2			2483.500	66.084	35.196	-7.916	74.000	30.888	PK
3			2484.073	66.923	36.033	-7.077	74.000	30.890	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 21:06
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2457MHz	

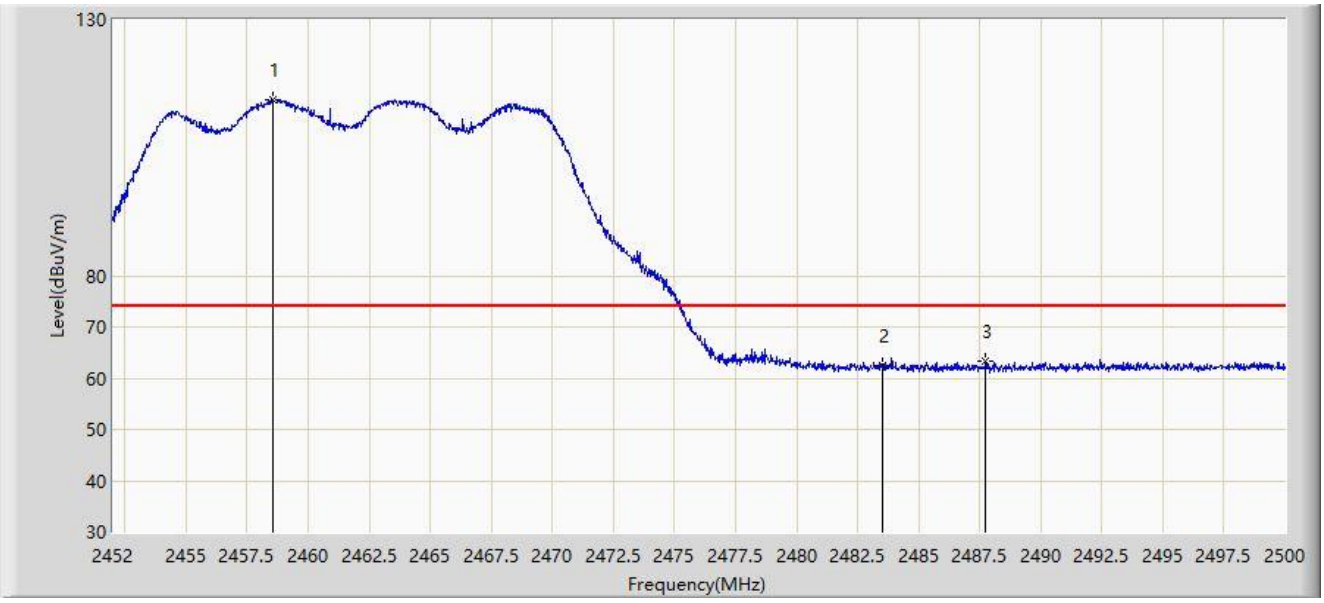


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	X	*	2462.079	117.450	86.571	N/A	N/A	30.879	AV
2			2483.500	52.366	21.478	-1.634	54.000	30.888	AV
3			2486.803	52.911	22.013	-1.089	54.000	30.898	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

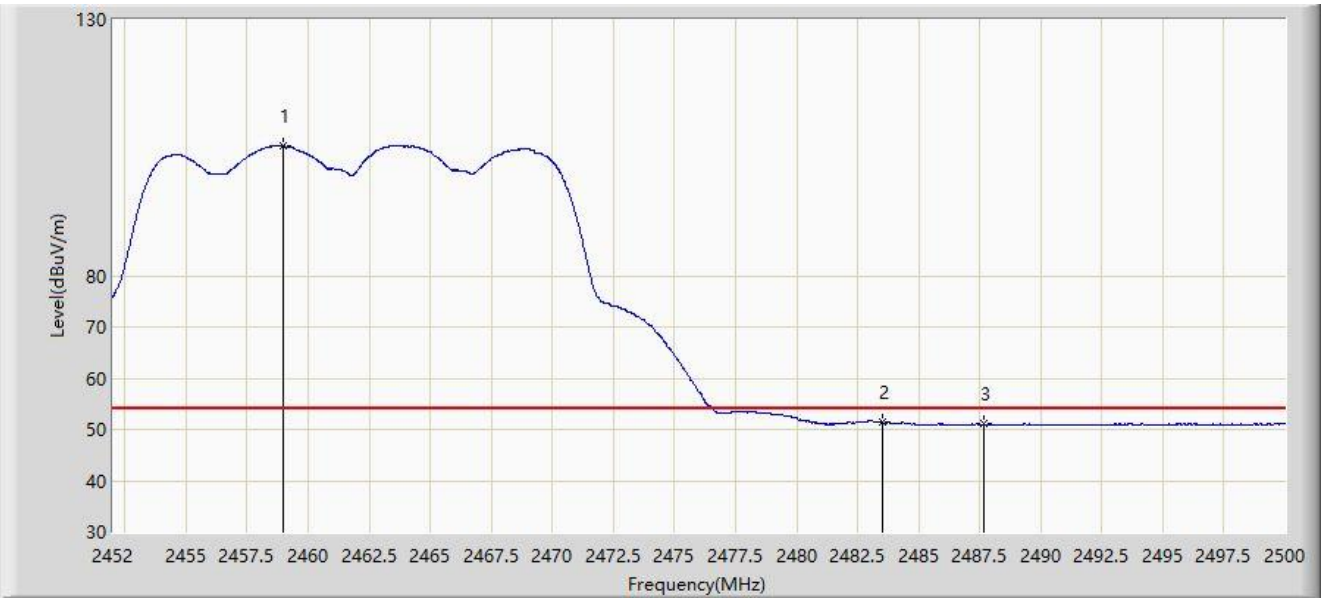


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2458.552	114.396	83.546	N/A	N/A	30.850	PK
2			2483.500	62.474	31.586	-11.526	74.000	30.888	PK
3			2487.736	63.221	32.336	-10.779	74.000	30.885	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:17
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

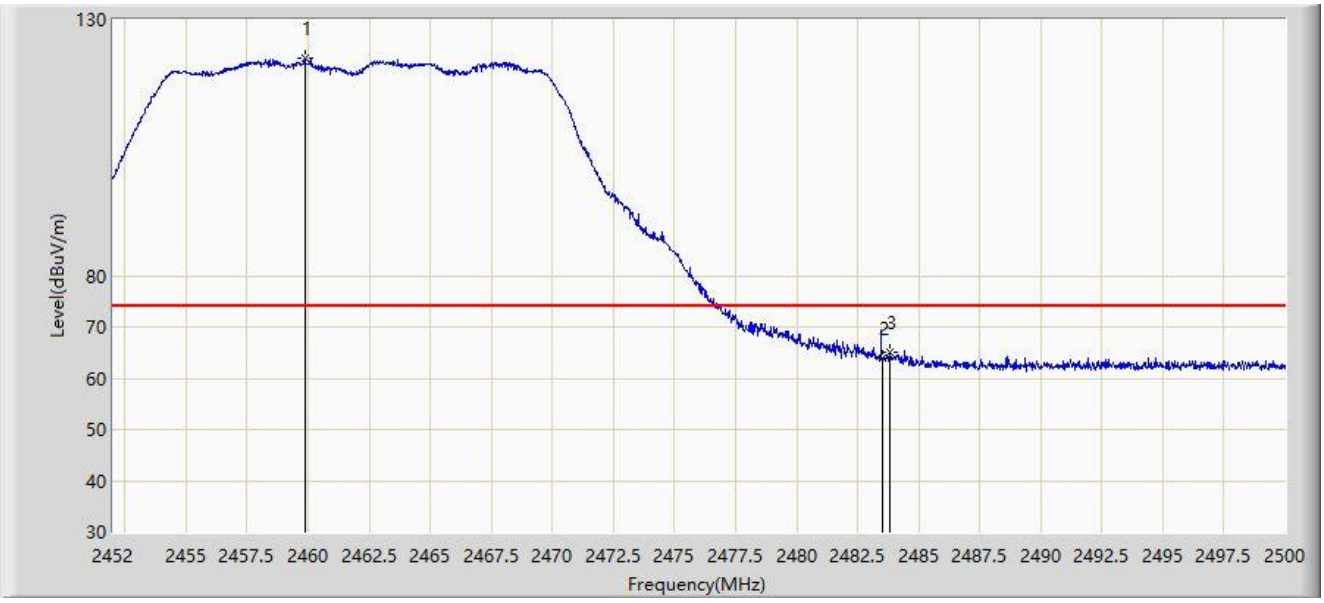


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2458.984	105.319	74.469	N/A	N/A	30.850	AV
2			2483.500	51.389	20.501	-2.611	54.000	30.888	AV
3			2487.664	51.031	20.146	-2.969	54.000	30.885	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:13
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

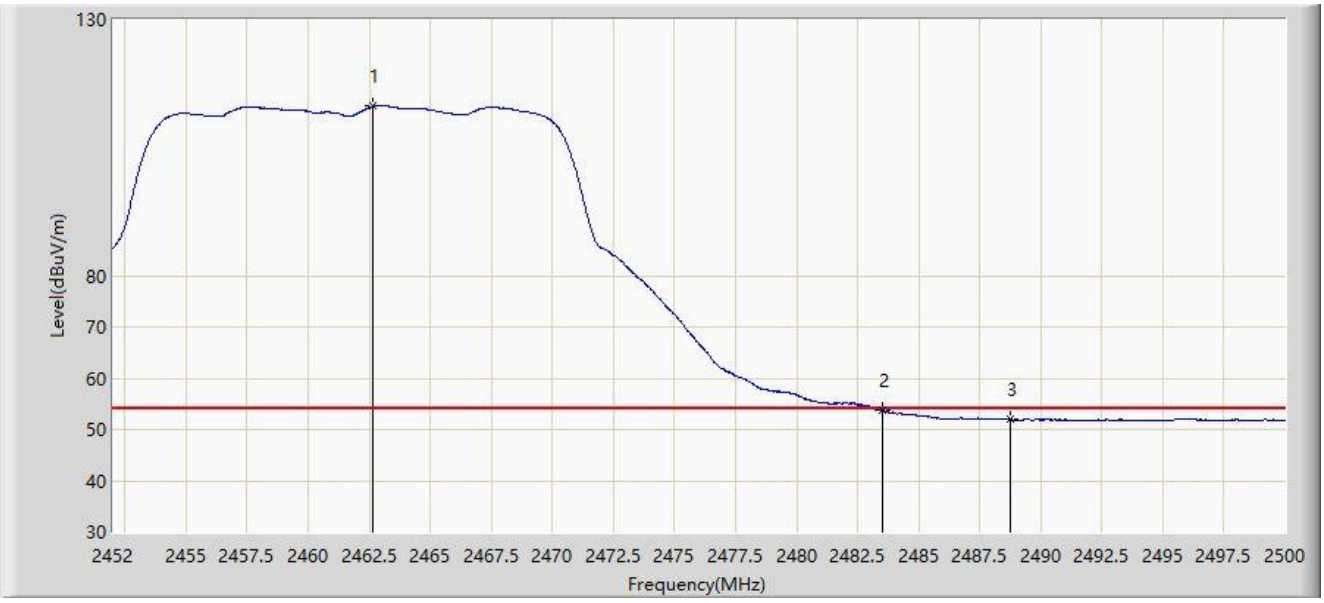


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2459.872	122.485	91.635	N/A	N/A	30.850	PK
2			2483.500	64.028	33.140	-9.972	74.000	30.888	PK
3			2483.800	64.954	34.066	-9.046	74.000	30.888	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:07
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz	

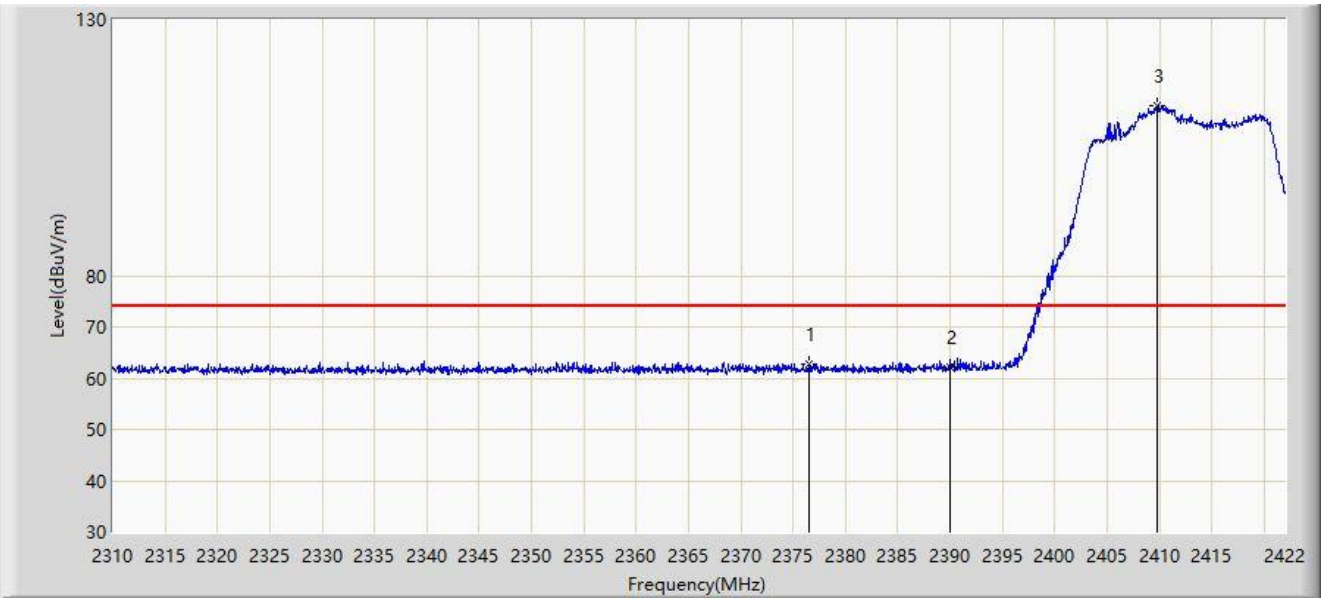


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1	X	*	2462.656	113.077	82.226	N/A	N/A	30.851	AV
2			2483.500	53.628	22.740	-0.372	54.000	30.888	AV
3			2488.768	52.020	21.136	-1.980	54.000	30.884	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:38
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

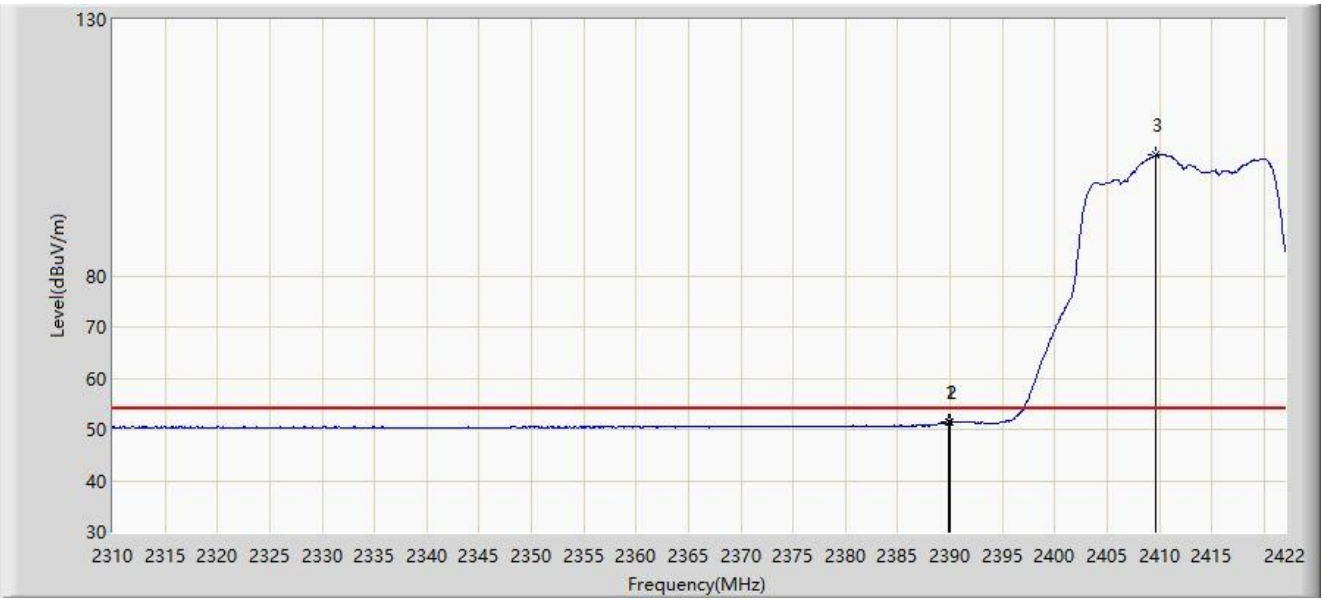


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2376.472	62.806	31.868	-11.194	74.000	30.938	PK
2			2390.000	62.306	31.400	-11.694	74.000	30.906	PK
3		*	2409.792	113.280	82.384	N/A	N/A	30.896	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:40
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Horizontal
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

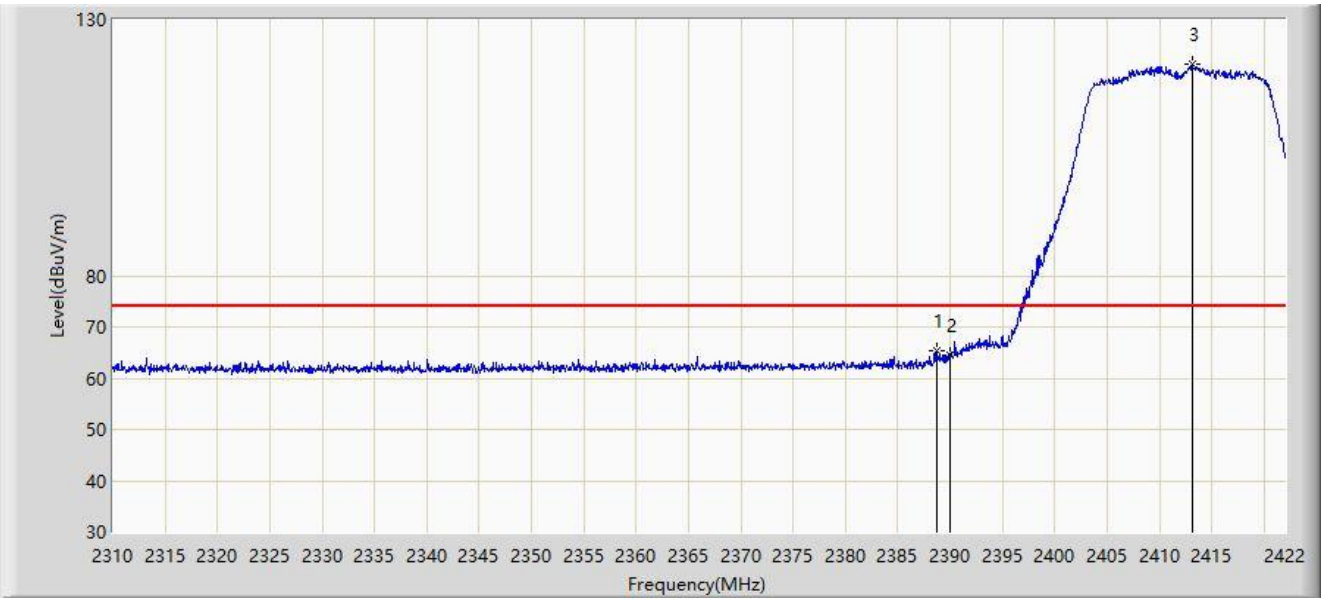


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2389.912	51.314	20.408	-2.686	54.000	30.906	AV
2			2390.000	51.309	20.403	-2.691	54.000	30.906	AV
3		*	2409.624	103.487	72.591	N/A	N/A	30.896	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:36
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

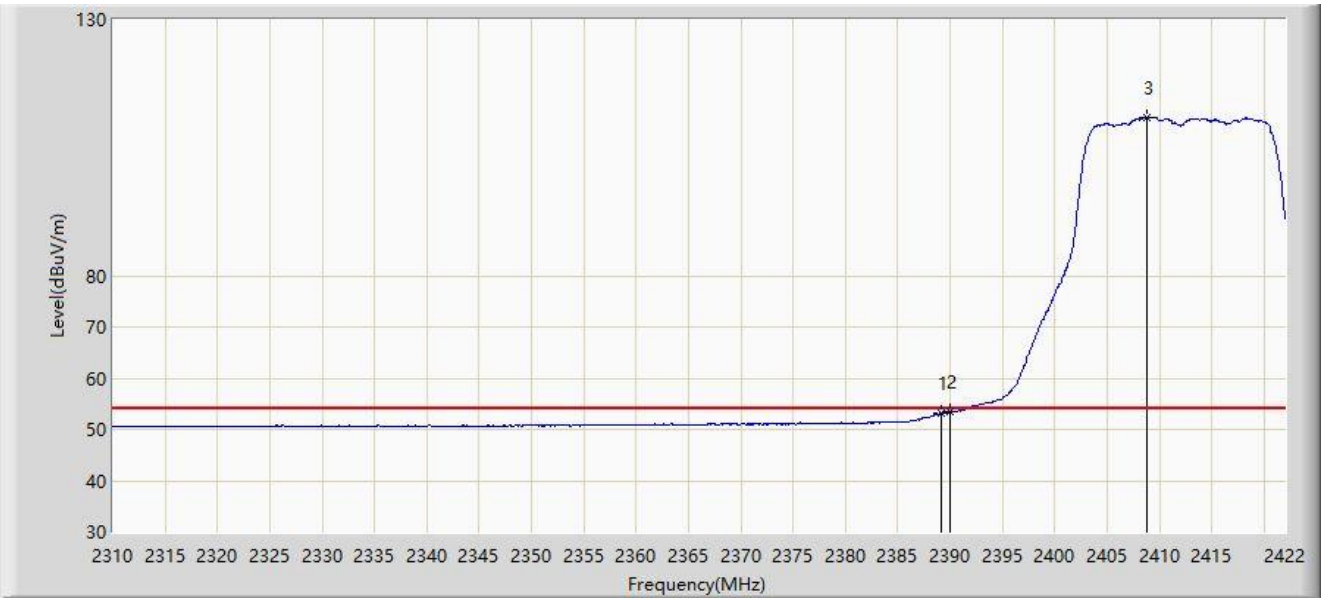


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2388.792	65.398	34.489	-8.602	74.000	30.908	PK
2			2390.000	64.510	33.604	-9.490	74.000	30.906	PK
3		*	2413.096	121.265	90.373	N/A	N/A	30.892	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: NS-AC1	Time: 2021/07/17 - 13:34
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: NS-AC1_BBHA9120D	Polarity: Vertical
EUT: Wireless Access Point	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz	

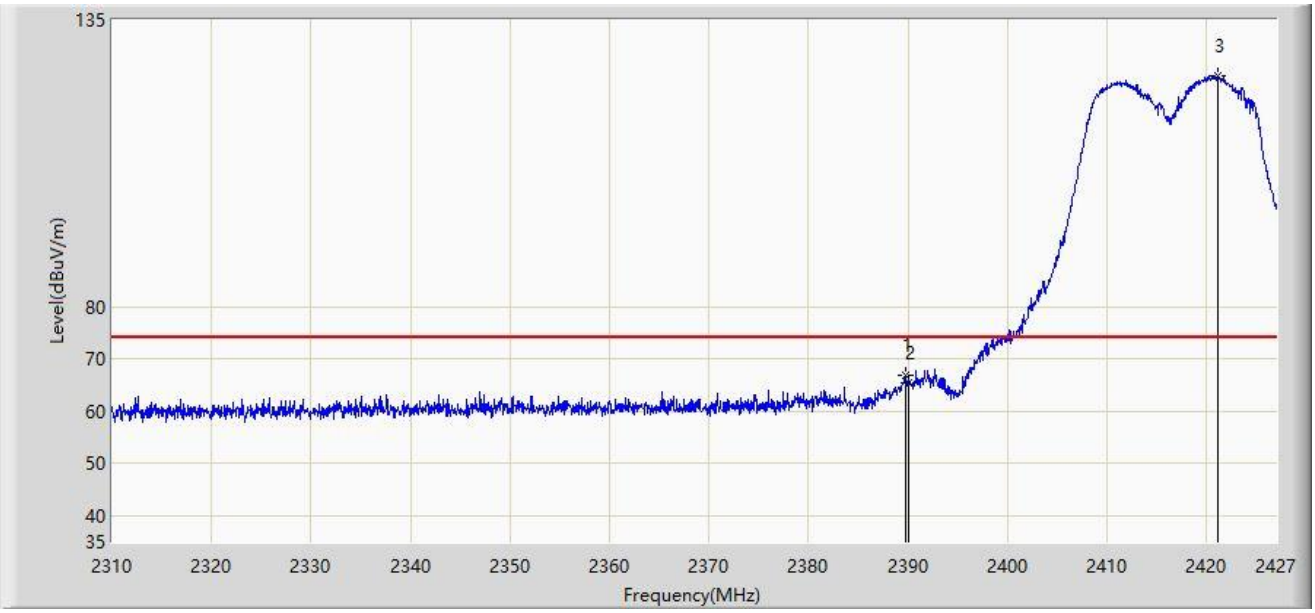


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2389.184	53.271	22.363	-0.729	54.000	30.908	AV
2			2390.000	53.397	22.491	-0.603	54.000	30.906	AV
3		*	2408.840	110.905	80.009	N/A	N/A	30.896	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 21:16
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2417MHz	

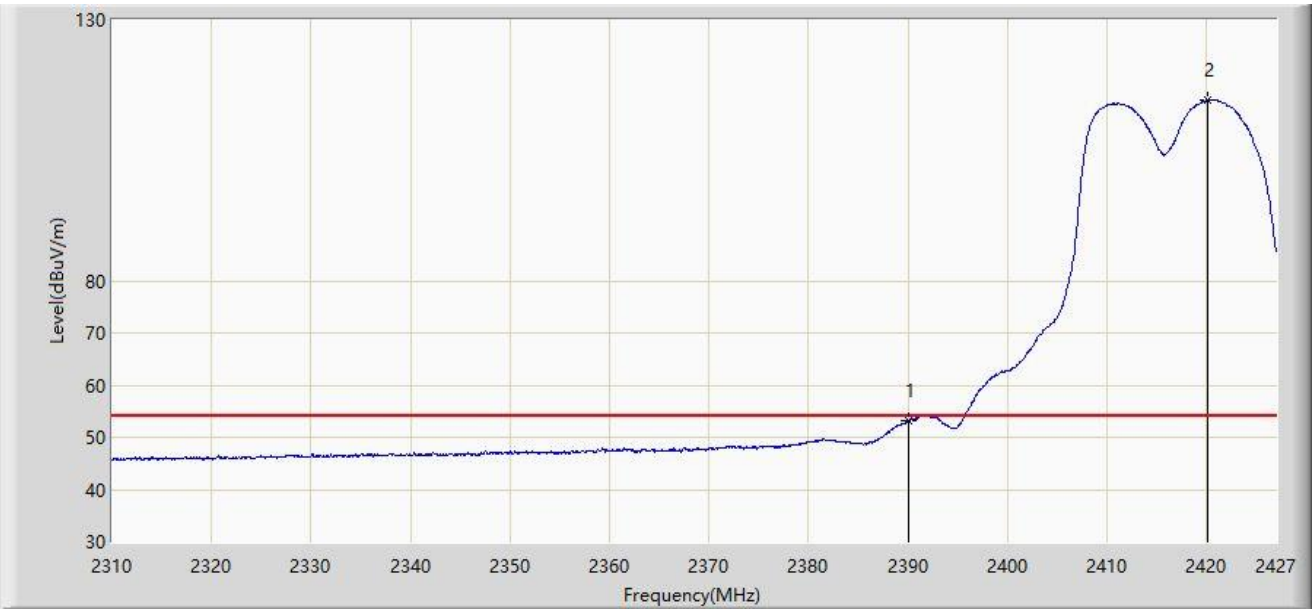


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2389.736	66.793	35.759	-7.207	74.000	31.034	PK
2			2390.000	65.474	34.441	-8.526	74.000	31.034	PK
3		*	2421.092	124.275	93.366	N/A	N/A	30.908	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: WZ-AC1	Time: 2021/07/29 - 21:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Hyde Yu
Probe: WZ-AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Wireless Module	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2417MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Marogin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2390.000	53.089	22.056	-0.911	54.000	31.034	AV
2	X	*	2420.039	114.648	83.737	N/A	N/A	30.911	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m).