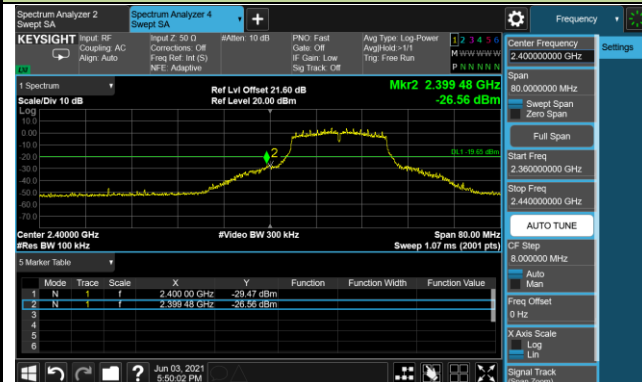


802.11g - Channel 01 (2412MHz) - Ant 1 / Ant 0 + 1

Low Band Edge

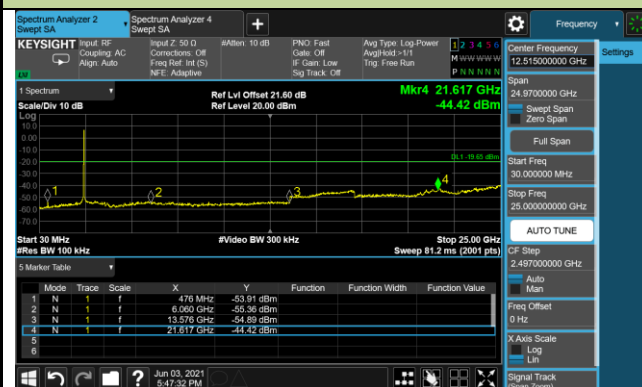


Spurious Emission



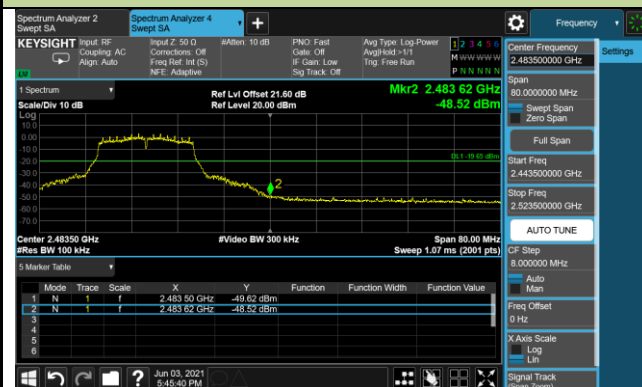
802.11g - Channel 06 (2437MHz) - Ant 1 / Ant 0 + 1

Spurious Emission

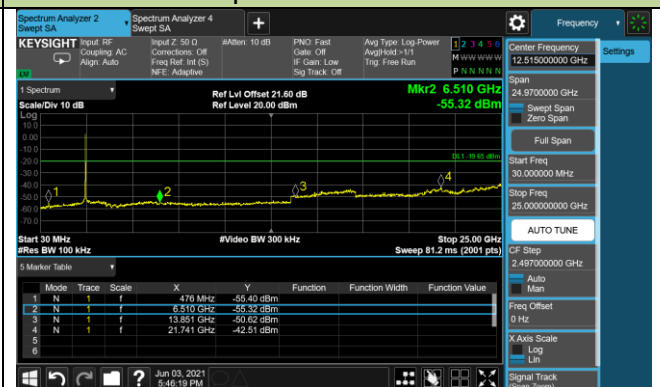


802.11g - Channel 11 (2462MHz) - Ant 1 / Ant 0 + 1

High Band Edge

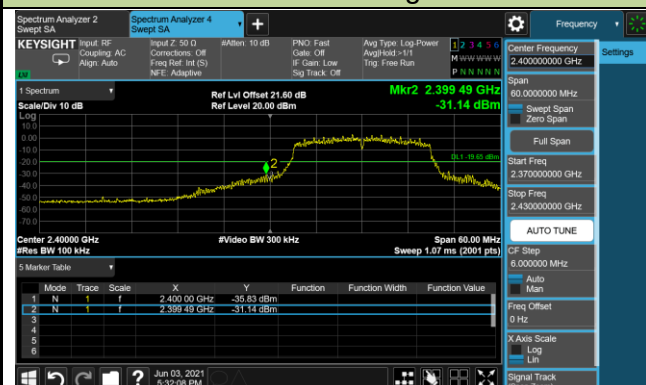


Spurious Emission

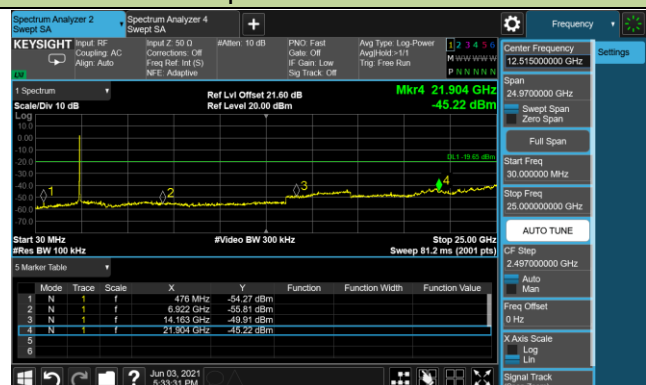


802.11n-HT20 - Channel 01 (2412MHz) - Ant 1 / Ant 0 + 1

Low Band Edge

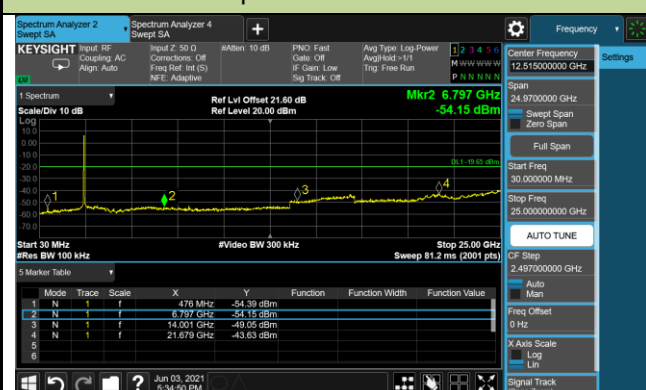


Spurious Emission



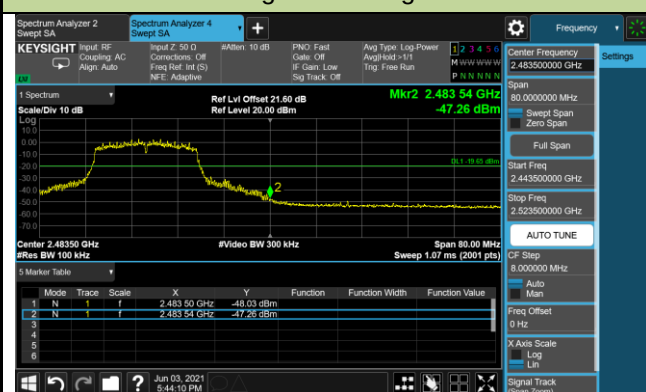
802.11n-HT20 - Channel 06 (2437MHz) - Ant 1 / Ant 0 + 1

Spurious Emission



802.11n-HT20 - Channel 11 (2462MHz) - Ant 1 / Ant 0 + 1

High Band Edge

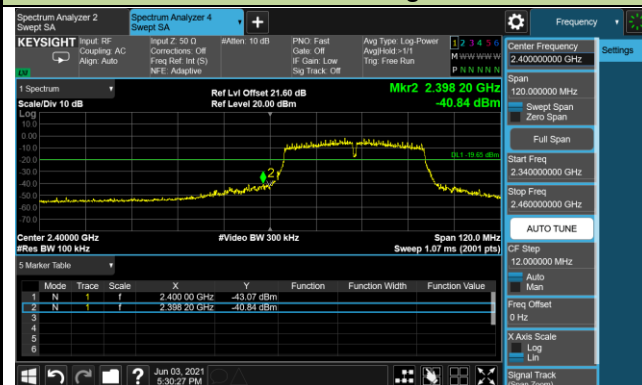


Spurious Emission



802.11n-HT40 - Channel 03 (2422MHz) - Ant 1/ Ant 0 + 1

Low Band Edge

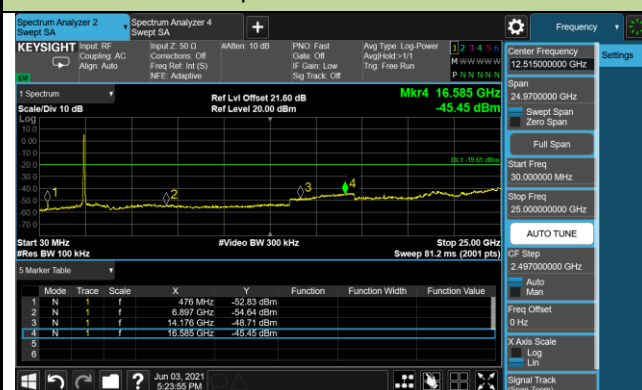


Spurious Emission



802.11n-HT40 - Channel 06 (2437MHz) - Ant 1 / Ant 0 + 1

Spurious Emission

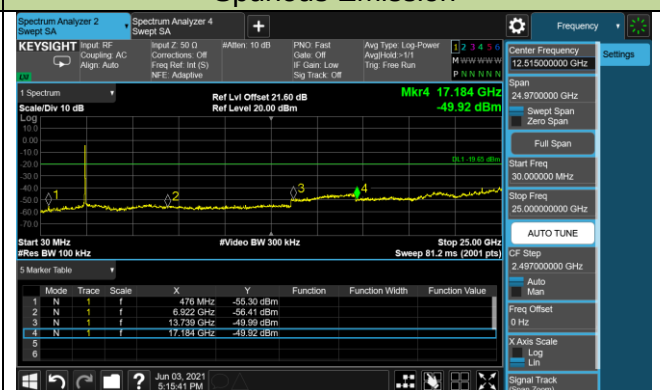


802.11n-HT40 - Channel 09 (2452MHz) - Ant 1 / Ant 0 + 1

High Band Edge



Spurious Emission



7.6. Radiated Spurious Emission Measurement

7.6.1. Test Limit

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

7.6.2. 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)

7.6.3. 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

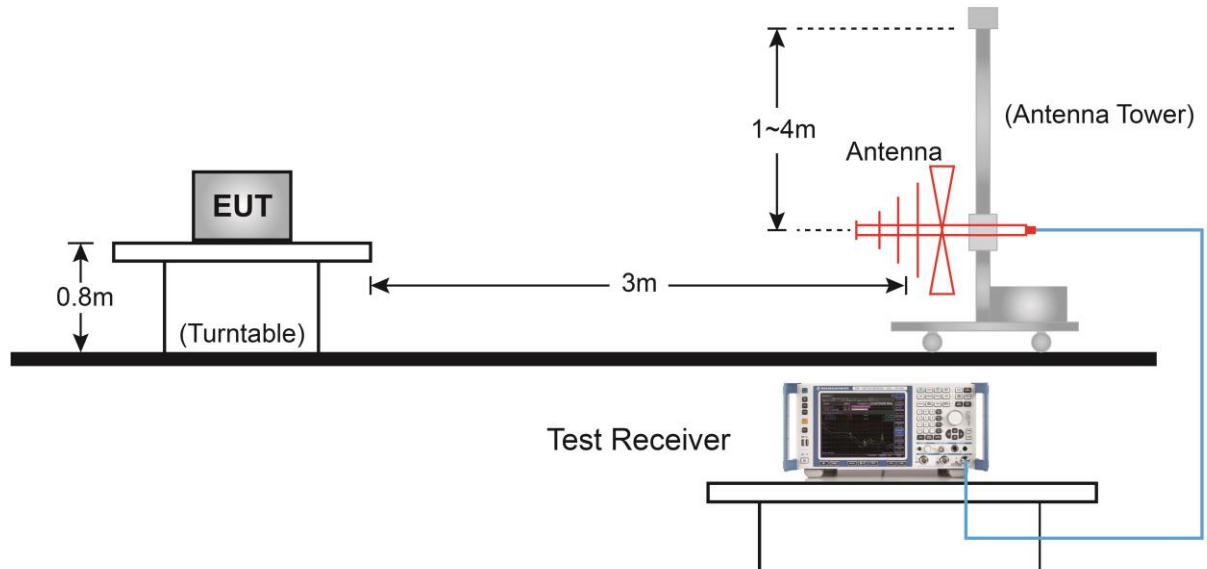
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

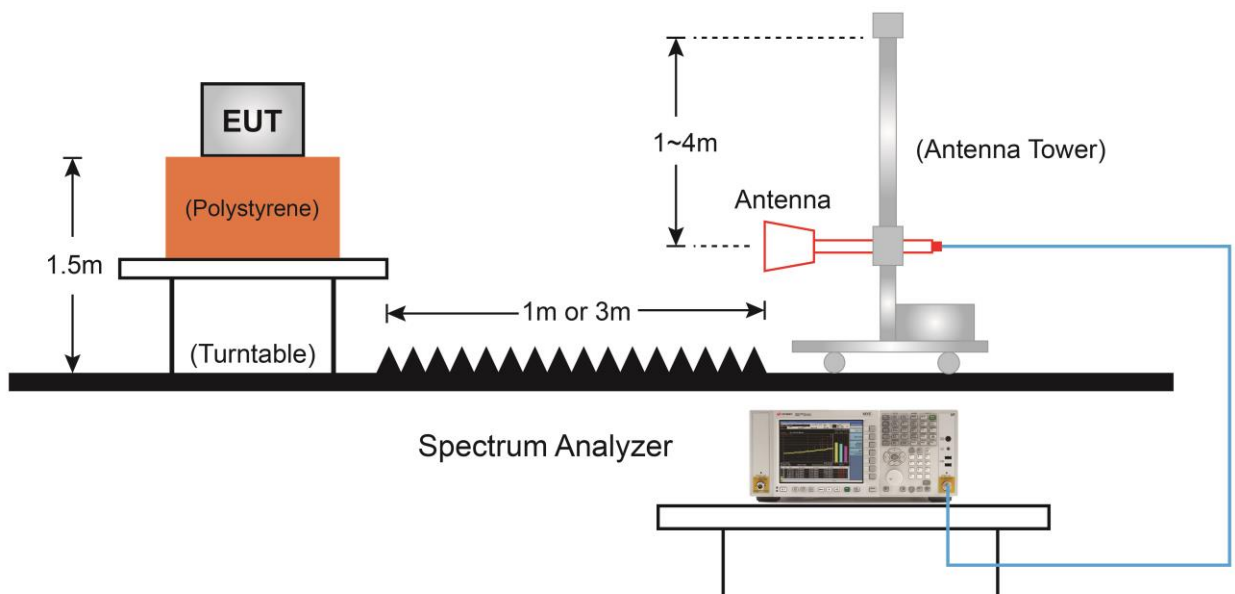
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.6.5. Test Result

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11b
Test Channel	01		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	46.3	3.3	49.6	74.0	-24.4	Peak	Horizontal
	7443.0	34.4	11.6	46.0	74.0	-28.0	Peak	Horizontal
	8284.5	32.0	12.5	44.5	74.0	-29.5	Peak	Horizontal
	4824.1	50.2	3.3	53.5	74.0	-20.5	Peak	Vertical
	4824.1	50.2	3.3	53.5	54.0	-0.5	Average	Vertical
	7375.0	32.8	11.4	44.2	74.0	-29.8	Peak	Vertical
	8242.0	32.0	12.5	44.5	74.0	-29.5	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11b
Test Channel	06		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4323.5	37.0	2.0	39.0	74.0	-35.0	Peak	Horizontal
	4876.0	47.8	3.5	51.3	74.0	-22.7	Peak	Horizontal
	7587.5	32.7	11.9	44.6	74.0	-29.4	Peak	Horizontal
	4874.1	50.2	3.4	53.6	74.0	-20.4	Peak	Vertical
	4874.1	50.2	3.4	53.6	54.0	-0.4	Average	Vertical
	7307.0	36.3	11.2	47.5	74.0	-26.5	Peak	Vertical
	8242.0	32.2	12.5	44.7	74.0	-29.3	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/09	Test Mode	802.11b
Test Channel	11		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4077.0	37.5	1.1	38.6	74.0	-35.4	Peak	Horizontal
	4927.0	49.2	3.6	52.8	74.0	-21.2	Peak	Horizontal
	7434.5	33.0	11.5	44.5	74.0	-29.5	Peak	Horizontal
	4230.0	37.4	1.6	39.0	74.0	-35.0	Peak	Vertical
	4918.5	39.9	3.6	43.5	74.0	-30.5	Peak	Vertical
	4924.1	50.3	3.6	53.9	54.0	-0.1	Average	Vertical
	7375.0	32.3	11.4	43.7	74.0	-30.3	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11g
Test Channel	01		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4094.0	37.7	1.2	38.9	74.0	-35.1	Peak	Horizontal
	4825.0	41.0	3.3	44.3	74.0	-29.7	Peak	Horizontal
	7400.5	33.6	11.4	45.0	74.0	-29.0	Peak	Horizontal
	4825.0	47.0	3.3	50.3	74.0	-23.7	Peak	Vertical
	7545.0	33.8	11.8	45.6	74.0	-28.4	Peak	Vertical
	8318.5	33.0	12.5	45.5	74.0	-28.5	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11g
Test Channel	06		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	45.2	3.5	48.7	74.0	-25.3	Peak	Horizontal
	7298.5	37.7	11.1	48.8	74.0	-25.2	Peak	Horizontal
	8174.0	33.9	12.5	46.4	74.0	-27.6	Peak	Horizontal
	4875.1	42.0	3.5	45.5	54.0	-8.5	Average	Vertical
	4876.0	49.6	3.5	53.1	74.0	-20.9	Peak	Vertical
	7468.5	32.6	11.6	44.2	74.0	-29.8	Peak	Vertical
	8361.0	32.0	12.5	44.5	74.0	-29.5	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11g
Test Channel	11		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	41.5	3.6	45.1	74.0	-28.9	Peak	Horizontal
	7375.0	32.7	11.4	44.1	74.0	-29.9	Peak	Horizontal
	8395.0	32.0	12.5	44.5	74.0	-29.5	Peak	Horizontal
	4927.0	43.1	3.6	46.7	74.0	-27.3	Peak	Vertical
	7315.5	32.5	11.2	43.7	74.0	-30.3	Peak	Vertical
	8276.0	31.4	12.5	43.9	74.0	-30.1	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11n-HT20
Test Channel	01		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	39.1	3.3	42.4	74.0	-31.6	Peak	Horizontal
	7647.0	32.2	12.0	44.2	74.0	-29.8	Peak	Horizontal
	8242.0	32.0	12.5	44.5	74.0	-29.5	Peak	Horizontal
	4825.0	43.1	3.3	46.4	74.0	-27.6	Peak	Vertical
	7409.0	33.8	11.5	45.3	74.0	-28.7	Peak	Vertical
	8335.5	36.2	12.5	48.7	74.0	-25.3	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11n-HT20
Test Channel	06		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	46.7	3.5	50.2	74.0	-23.8	Peak	Horizontal
	7315.5	36.7	11.2	47.9	74.0	-26.1	Peak	Horizontal
	8386.5	32.6	12.5	45.1	74.0	-28.9	Peak	Horizontal
	4876.0	49.5	3.5	53.0	74.0	-21.0	Peak	Vertical
	7307.0	39.1	11.2	50.3	74.0	-23.7	Peak	Vertical
	8369.5	31.2	12.5	43.7	74.0	-30.3	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11n-HT20
Test Channel	11		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.5	40.4	3.6	44.0	74.0	-30.0	Peak	Horizontal
	7519.5	33.1	11.7	44.8	74.0	-29.2	Peak	Horizontal
	8148.5	32.2	12.5	44.7	74.0	-29.3	Peak	Horizontal
	4927.0	42.1	3.6	45.7	74.0	-28.3	Peak	Vertical
	7630.0	34.2	11.9	46.1	74.0	-27.9	Peak	Vertical
	8335.5	35.3	12.5	47.8	74.0	-26.2	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11n-HT40
Test Channel	03		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4782.5	38.2	3.2	41.4	74.0	-32.6	Peak	Horizontal
	7256.0	35.4	11.0	46.4	74.0	-27.6	Peak	Horizontal
	8165.5	31.9	12.5	44.4	74.0	-29.6	Peak	Horizontal
	4867.5	37.4	3.4	40.8	74.0	-33.2	Peak	Vertical
	7587.5	32.2	11.9	44.1	74.0	-29.9	Peak	Vertical
	8276.0	31.6	12.5	44.1	74.0	-29.9	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11n-HT40
Test Channel	06		
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.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	44.0	3.5	47.5	74.0	-26.5	Peak	Horizontal
	7417.5	34.8	11.5	46.3	74.0	-27.7	Peak	Horizontal
	8471.5	33.0	12.5	45.5	74.0	-28.5	Peak	Horizontal
	4867.5	43.6	3.4	47.0	74.0	-27.0	Peak	Vertical
	7307.0	36.4	11.2	47.6	74.0	-26.4	Peak	Vertical
	8335.5	35.3	12.5	47.8	74.0	-26.2	Peak	Vertical

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

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

Test Site	AC1	Test Engineer	Jay Chou
Test Date	2021/06/02	Test Mode	802.11n-HT40
Test Channel	09		
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.		

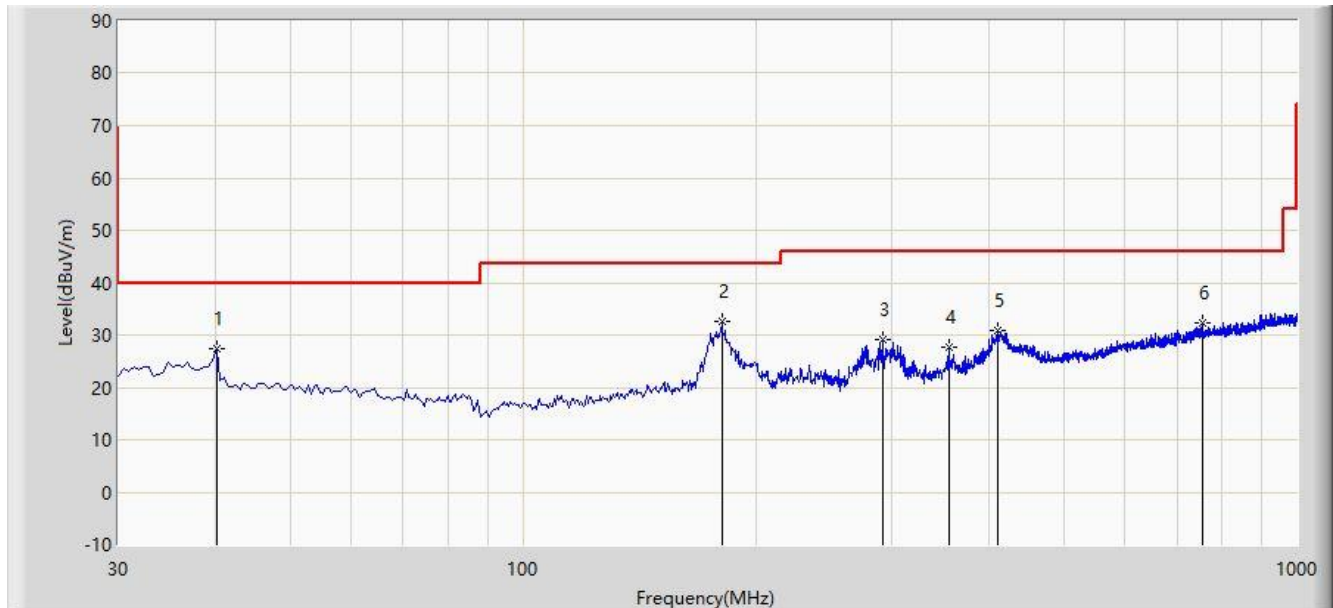
Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4740.0	35.6	3.1	38.7	74.0	-35.3	Peak	Horizontal
	7460.0	31.9	11.6	43.5	74.0	-30.5	Peak	Horizontal
	8361.0	31.0	12.5	43.5	74.0	-30.5	Peak	Horizontal
	4893.0	38.0	3.5	41.5	74.0	-32.5	Peak	Vertical
	7451.5	32.5	11.6	44.1	74.0	-29.9	Peak	Vertical
	8386.5	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2021/07/29 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: VULB 9162 (30MHz~8GHz) + 6dB Attenuator_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			40.185	27.322	6.264	-12.678	40.000	21.058	PK
2		*	180.835	32.652	15.144	-10.848	43.500	17.508	PK
3			291.415	29.217	7.916	-16.783	46.000	21.300	PK
4			354.950	27.766	4.454	-18.234	46.000	23.312	PK
5			410.240	30.976	6.747	-15.024	46.000	24.229	PK
6			755.560	32.229	2.076	-13.771	46.000	30.153	PK

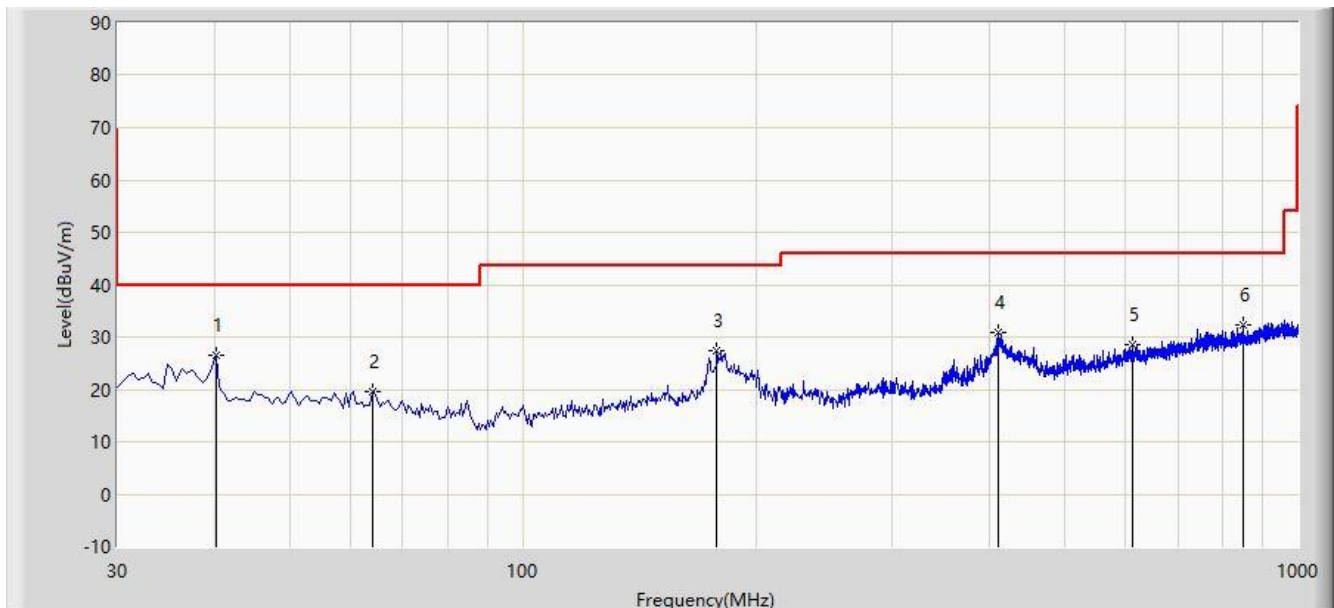
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: 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: AC1	Time: 2021/07/29 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: VULB 9162 (30MHz~8GHz) + 6dB Attenuator_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	40.185	26.539	5.481	-13.461	40.000	21.058	PK
2			63.950	19.688	0.755	-20.312	40.000	18.933	PK
3			177.925	27.260	10.031	-16.240	43.500	17.229	PK
4			410.240	30.976	6.747	-15.024	46.000	24.229	PK
5			612.970	28.691	0.681	-17.309	46.000	28.010	PK
6			848.680	32.421	0.962	-13.579	46.000	31.459	PK

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

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

Note 2: 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.

7.7. Radiated Restricted Band Edge Measurement

7.7.1. 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 Limits		
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

7.7.2.Test Procedure Used

ANSI C63.10 - 2013 - Section 11.12

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

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

7.7.3.Test Setting

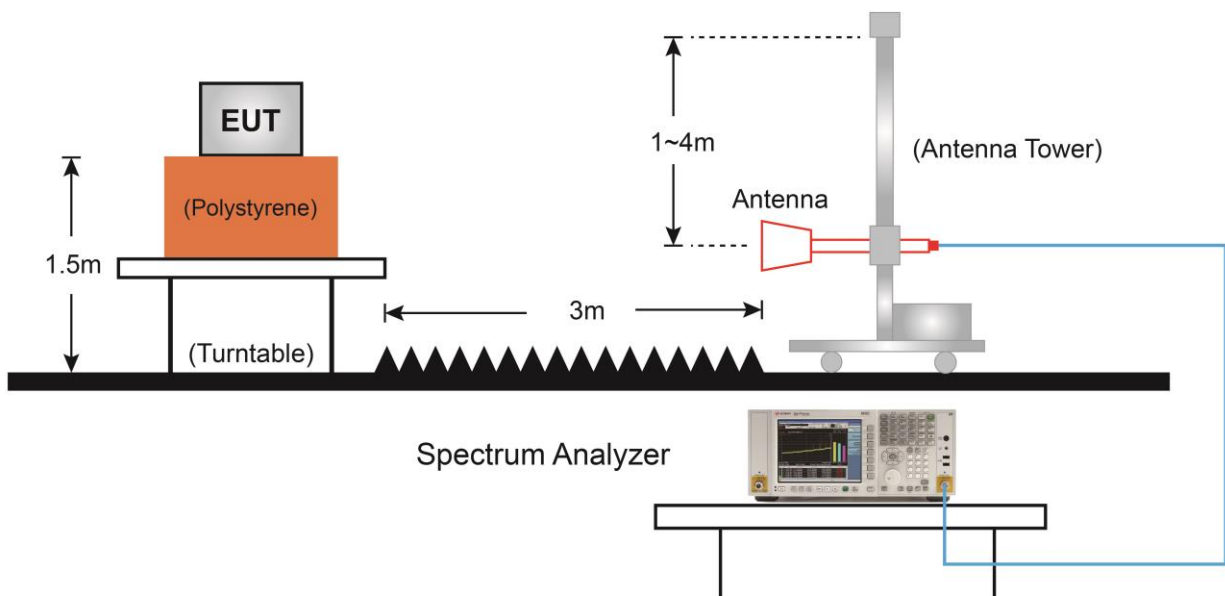
Peak Field Strength Measurements

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 Measurements above 1GHz (Method VB)

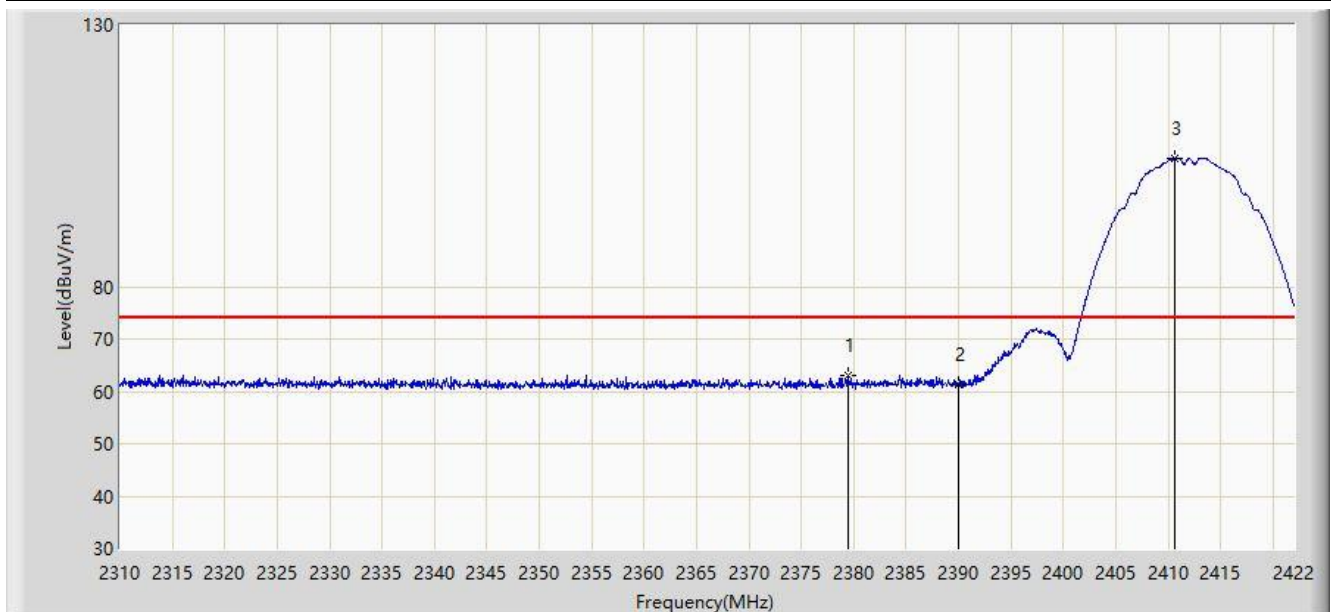
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

7.7.4.Test Setup



7.7.5.Test Result

Site: AC1	Time: 2021/05/31 - 13:26
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2412MHz	

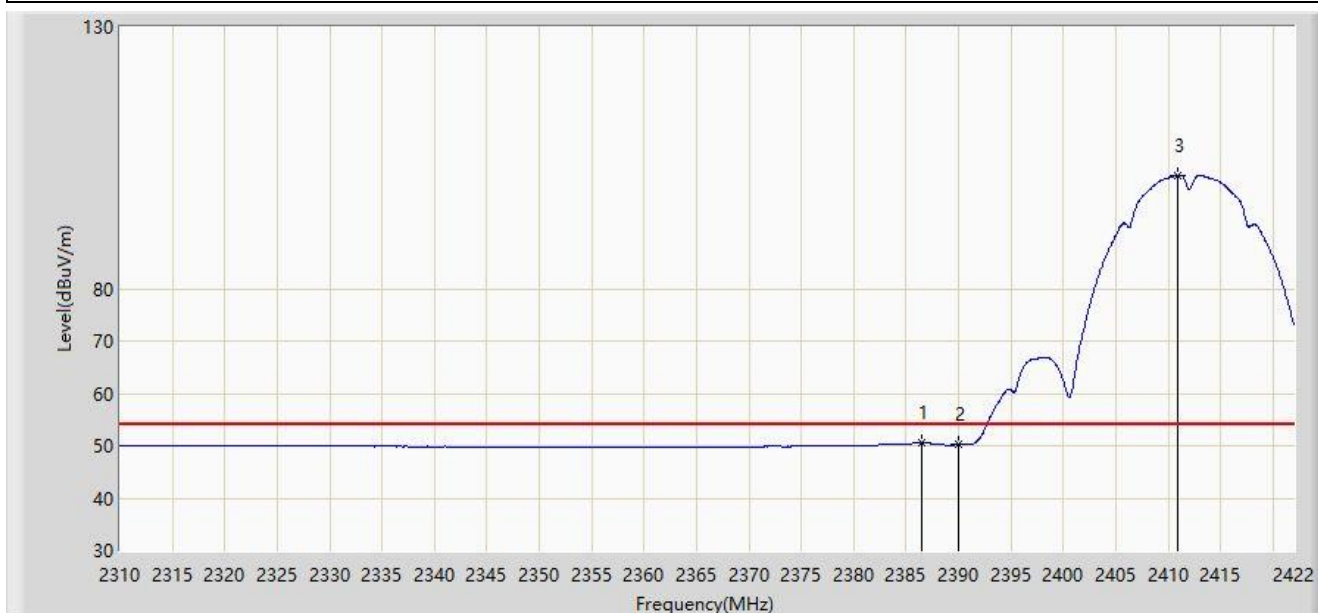


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2379.440	62.977	30.728	-11.023	74.000	32.249	PK
2			2390.000	61.443	29.147	-12.557	74.000	32.296	PK
3		*	2410.632	104.582	72.196	N/A	N/A	32.386	PK

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

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

Site: AC1	Time: 2021/05/31 - 13:28
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2412MHz	

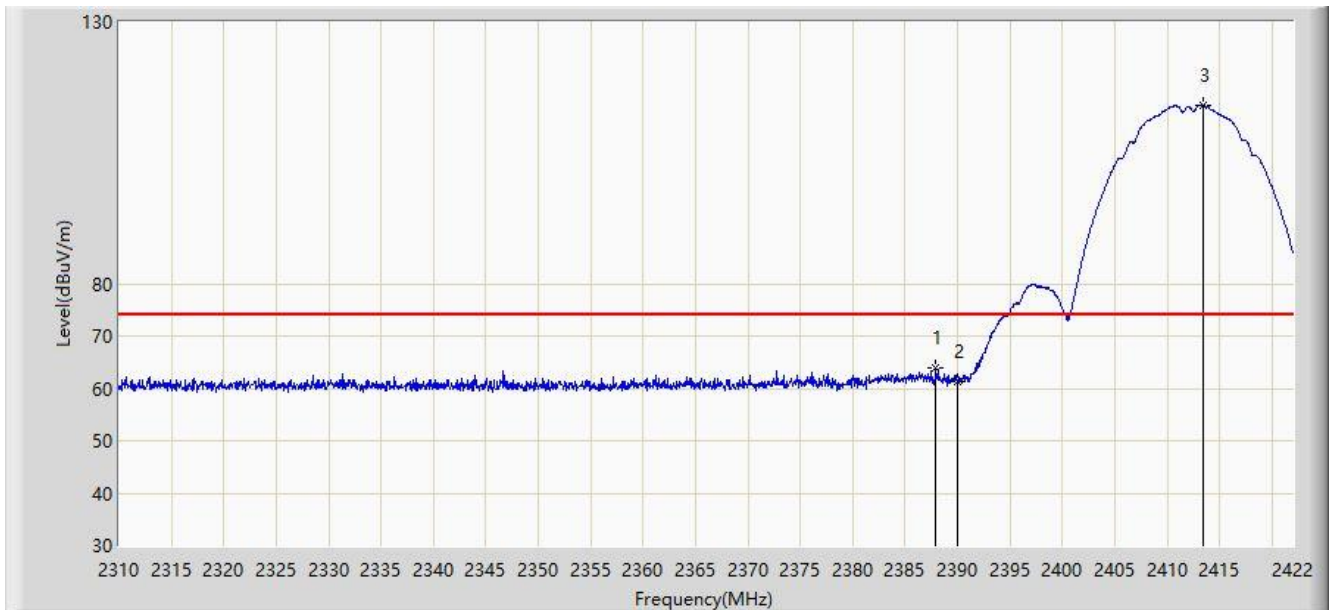


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2386.440	50.576	18.296	-3.424	54.000	32.281	AV
2			2390.000	50.192	17.896	-3.808	54.000	32.296	AV
3		*	2410.968	101.640	69.252	N/A	N/A	32.388	AV

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

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

Site: AC1	Time: 2021/05/31 - 13:23
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2412MHz	

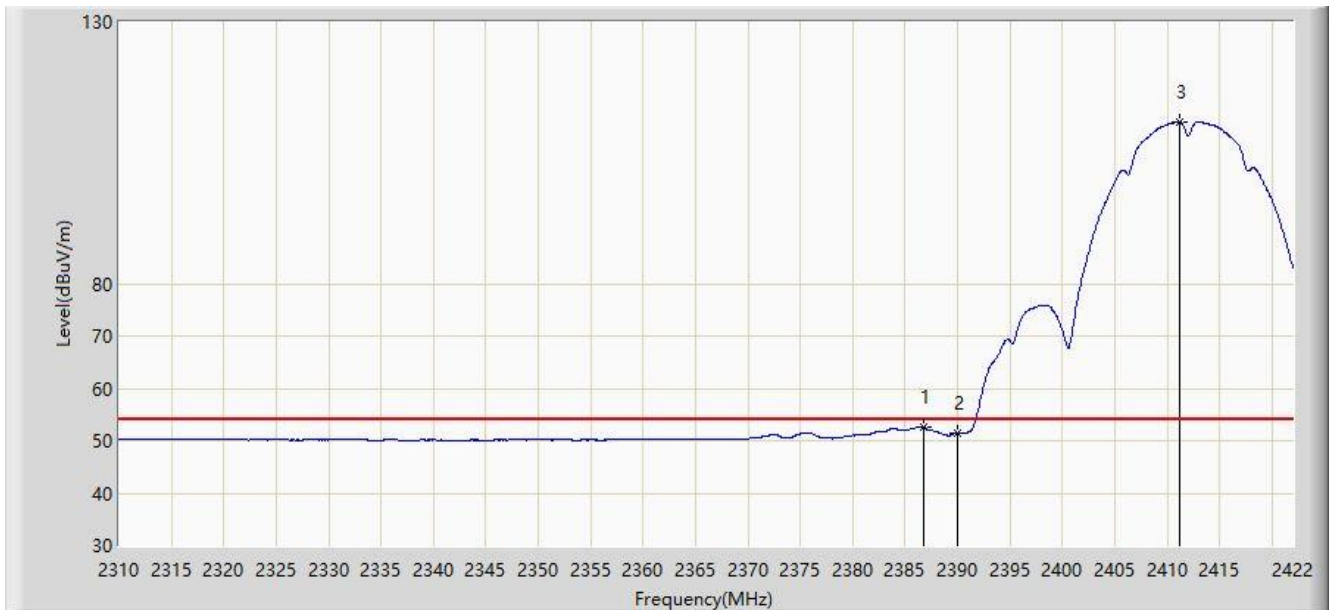


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2387.952	63.925	31.638	-10.075	74.000	32.287	PK
2			2390.000	61.234	28.938	-12.766	74.000	32.296	PK
3		*	2413.376	114.083	81.685	N/A	N/A	32.399	PK

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

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

Site: AC1	Time: 2021/05/31 - 11:44
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2412MHz	

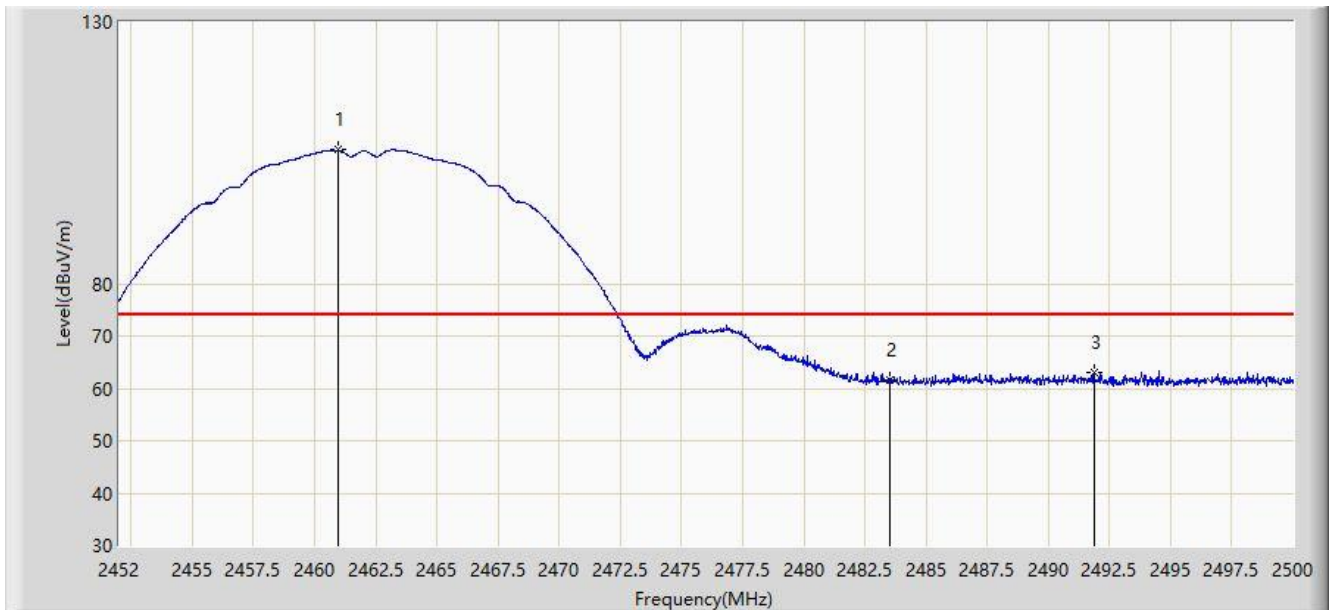


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2386.832	52.627	20.345	-1.373	54.000	32.282	AV
2			2390.000	51.470	19.174	-2.530	54.000	32.296	AV
3	X	*	2411.136	111.011	78.623	N/A	N/A	32.388	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:02
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.952	105.509	72.901	N/A	N/A	32.608	PK
2			2483.500	61.615	28.907	-12.385	74.000	32.707	PK
3			2491.864	63.110	30.366	-10.890	74.000	32.744	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:05
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2462MHz	

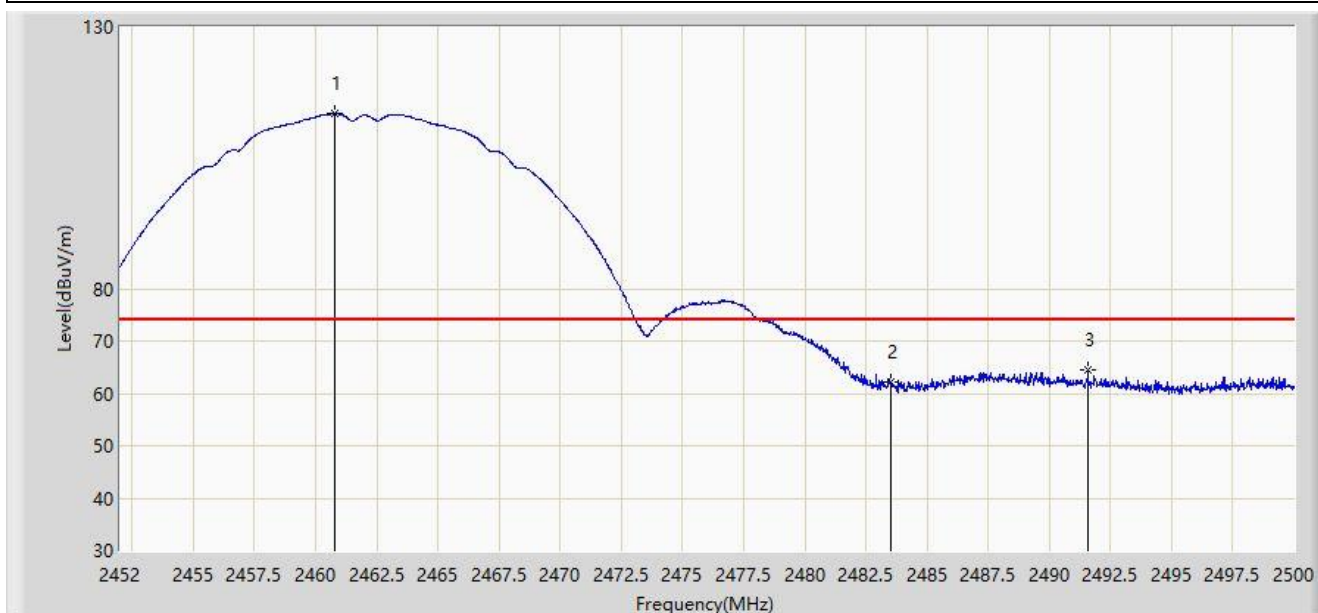


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.024	102.522	69.914	N/A	N/A	32.608	AV
2			2483.500	50.195	17.487	-3.805	54.000	32.707	AV
3			2486.752	50.524	17.802	-3.476	54.000	32.722	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:01
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.808	113.433	80.826	N/A	N/A	32.607	PK
2			2483.500	62.199	29.491	-11.801	74.000	32.707	PK
3			2491.576	64.539	31.796	-9.461	74.000	32.743	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:00
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2462MHz	

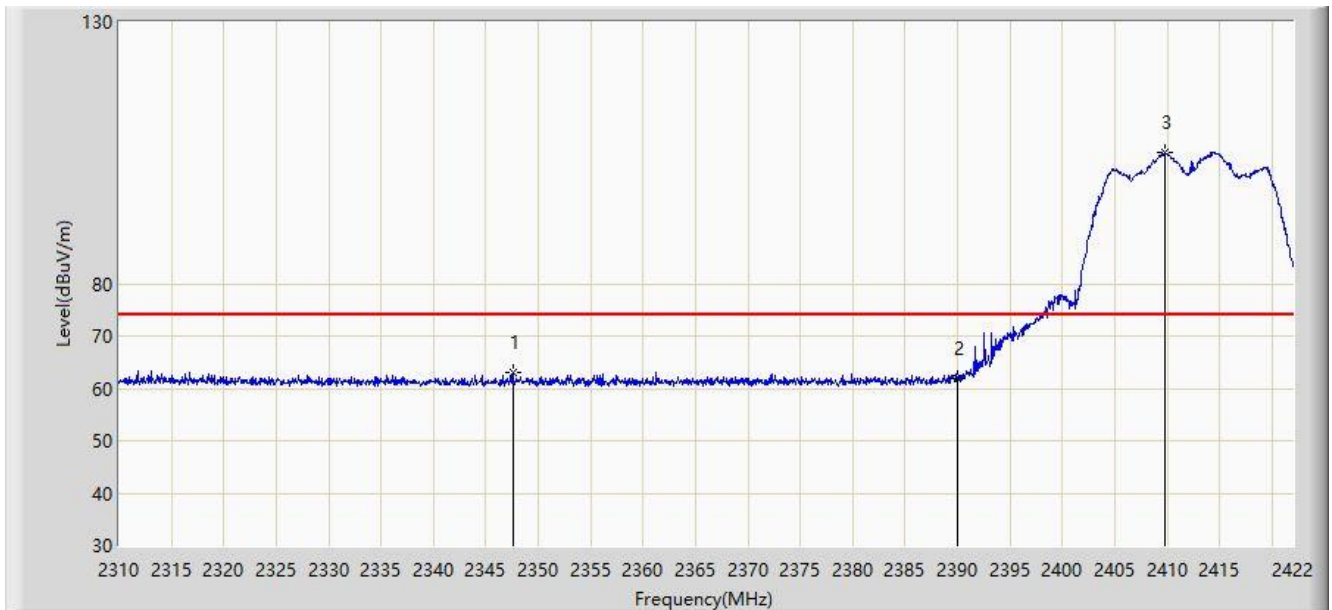


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1	X	*	2460.928	110.293	77.685	N/A	N/A	32.608	AV
2			2483.500	51.502	18.794	-2.498	54.000	32.707	AV
3			2487.400	53.369	20.644	-0.631	54.000	32.725	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:18
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2412MHz	

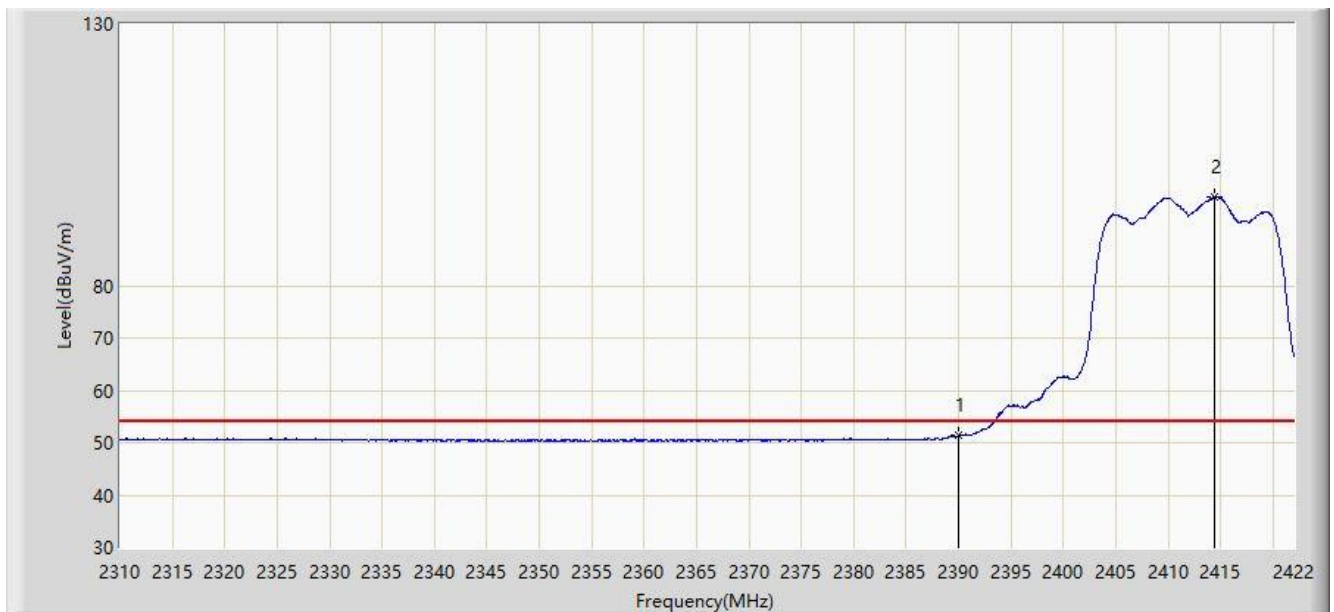


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2347.576	63.147	31.037	-10.853	74.000	32.110	PK
2			2390.000	61.933	29.637	-12.067	74.000	32.296	PK
3		*	2409.736	105.113	72.731	N/A	N/A	32.382	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:21
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2412MHz	

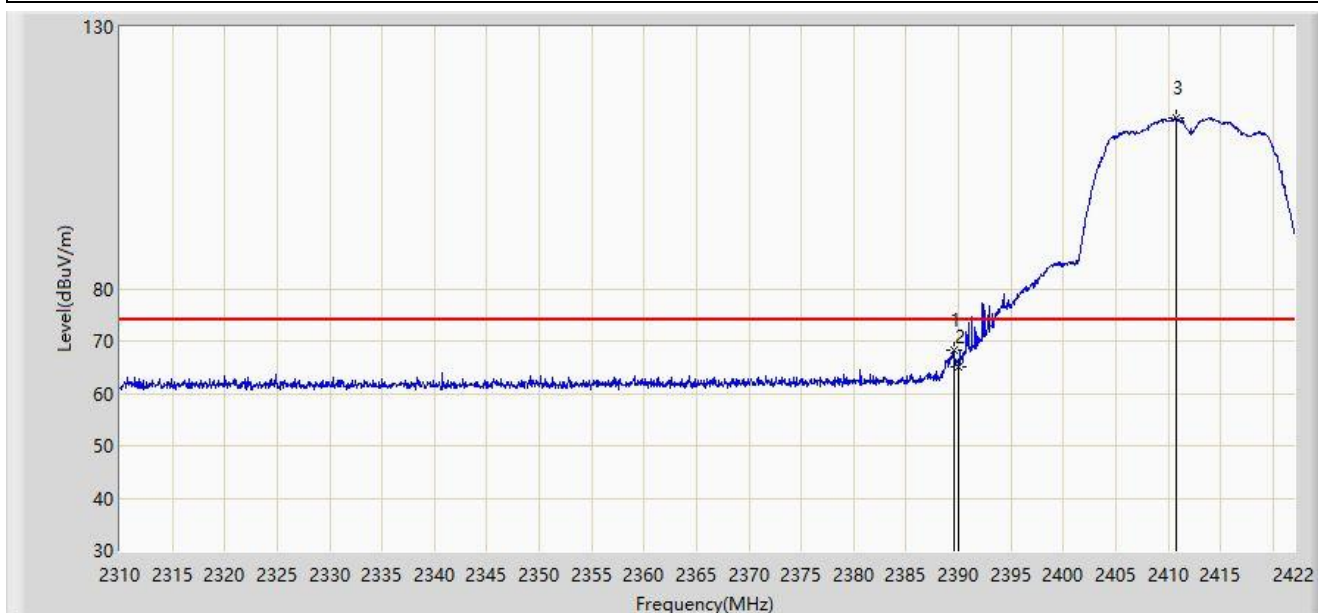


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	51.380	19.084	-2.620	54.000	32.296	AV
2		*	2414.440	96.972	64.569	N/A	N/A	32.403	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:17
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2389.576	68.187	35.893	-5.813	74.000	32.295	PK
2			2390.000	65.213	32.917	-8.787	74.000	32.296	PK
3		*	2410.800	112.562	80.175	N/A	N/A	32.387	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:14
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2412MHz	

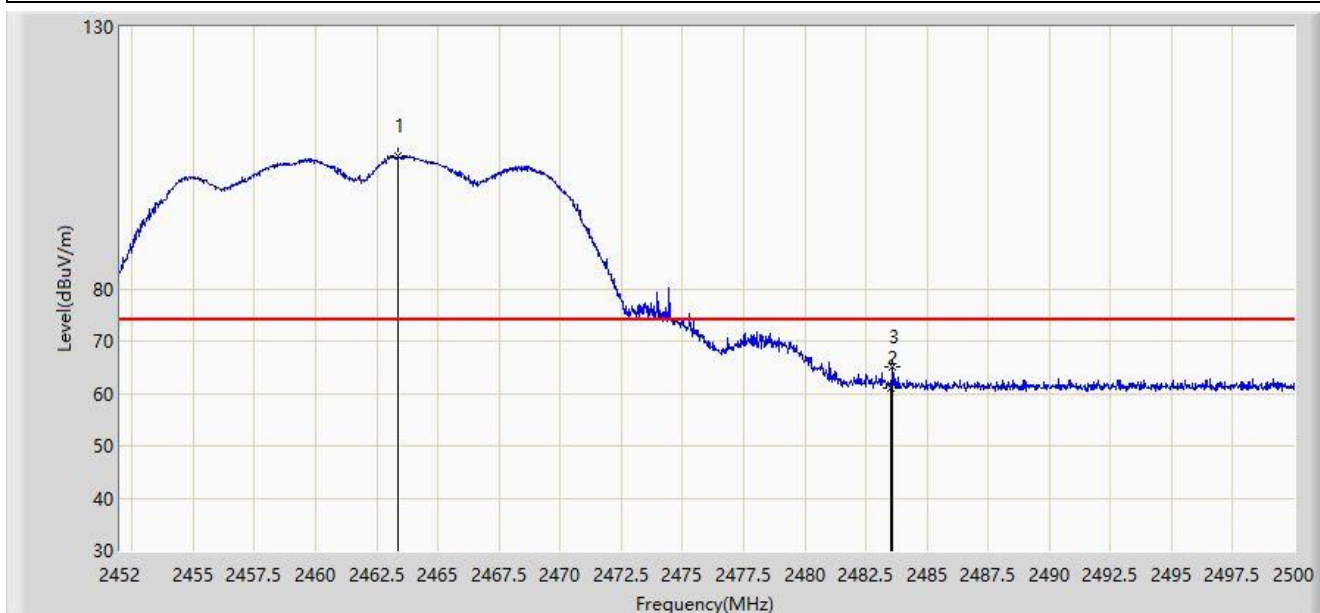


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2389.856	53.968	21.672	-0.032	54.000	32.296	AV
2			2390.000	53.883	21.587	-0.117	54.000	32.296	AV
3		*	2410.912	104.572	72.185	N/A	N/A	32.388	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:43
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2462MHz	

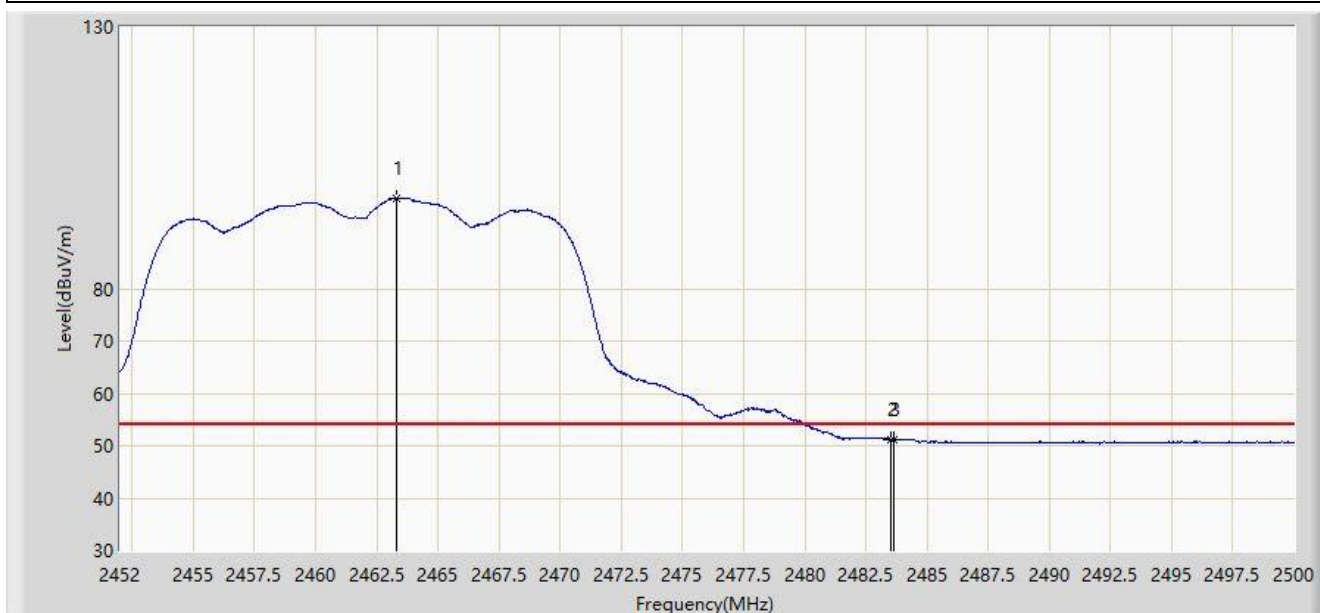


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.352	105.324	72.706	N/A	N/A	32.618	PK
2			2483.500	61.039	28.331	-12.961	74.000	32.707	PK
3			2483.608	65.024	32.316	-8.976	74.000	32.709	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:44
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2462MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.304	97.243	64.625	N/A	N/A	32.618	AV
2			2483.500	51.243	18.535	-2.757	54.000	32.707	AV
3			2483.656	51.279	18.571	-2.721	54.000	32.709	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:39
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2462MHz	

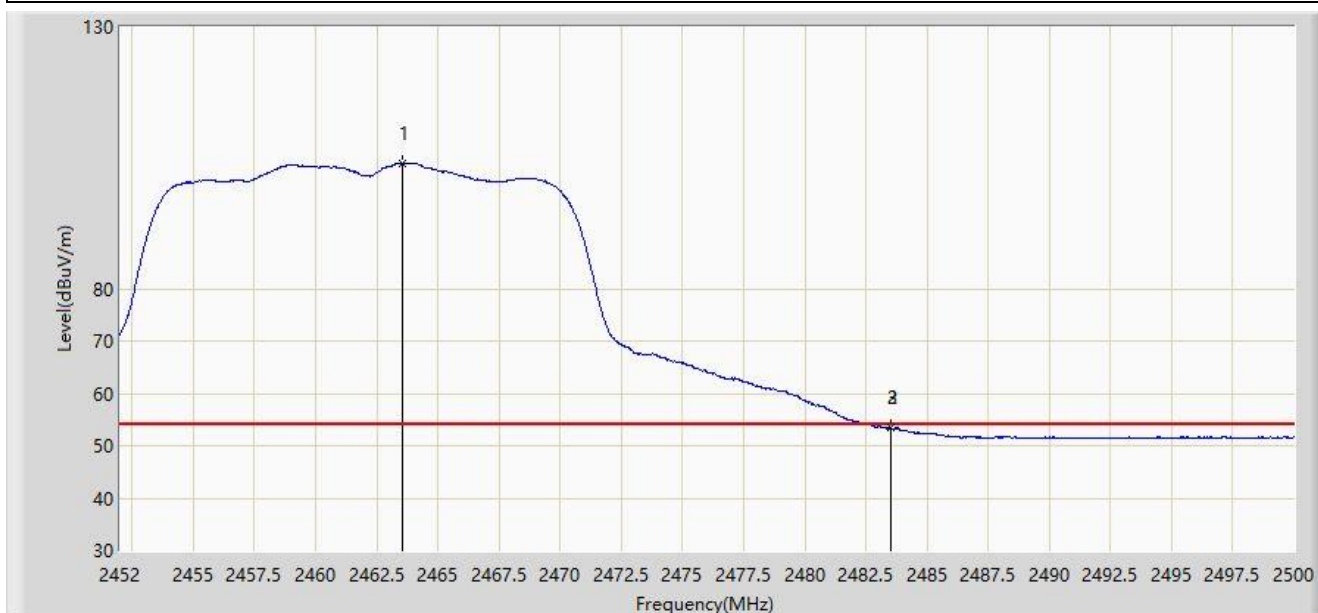


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2464.120	113.069	80.447	N/A	N/A	32.622	PK
2			2483.500	66.517	33.809	-7.483	74.000	32.707	PK
3			2484.424	67.253	34.541	-6.747	74.000	32.711	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:37
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11g at Channel 2462MHz	

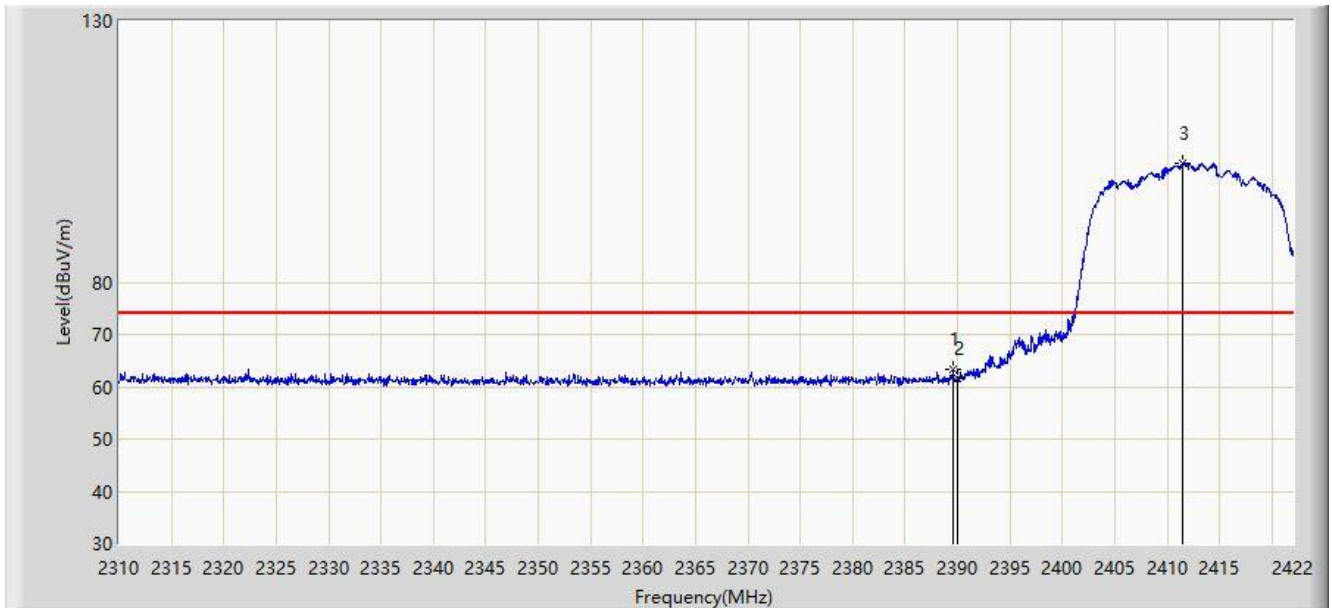


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2463.520	103.978	71.359	N/A	N/A	32.619	AV
2			2483.500	53.408	20.700	-0.592	54.000	32.707	AV
3			2483.512	53.419	20.711	-0.581	54.000	32.707	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:58
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2412MHz	

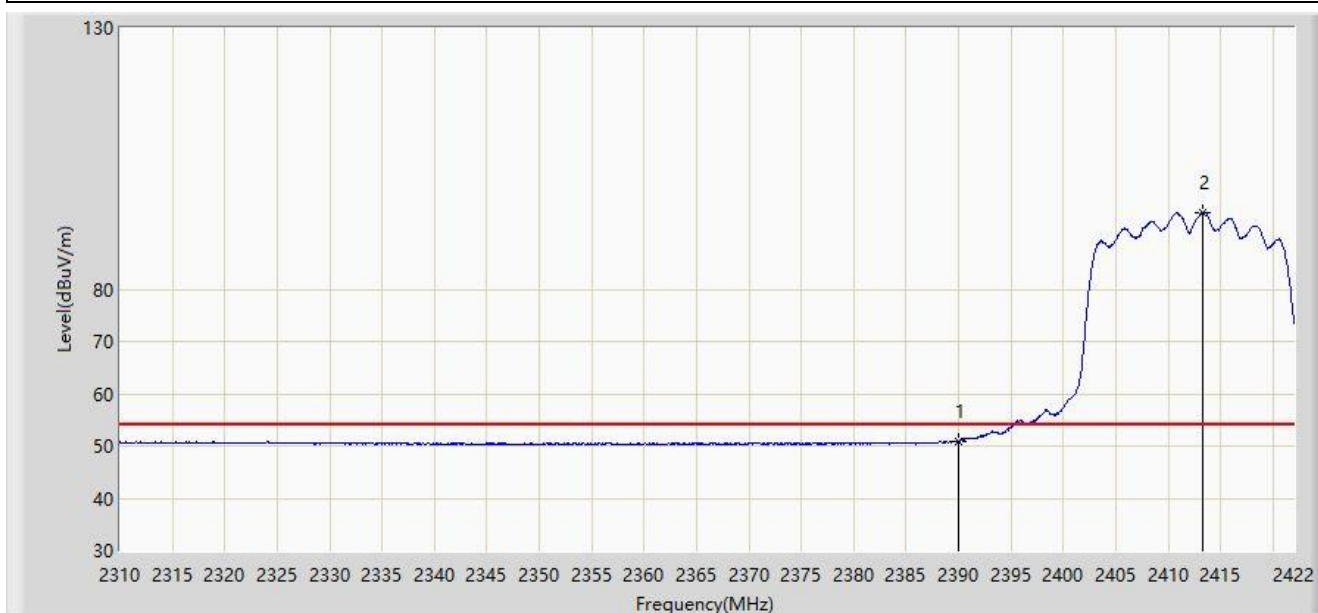


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2389.576	63.323	31.029	-10.677	74.000	32.295	PK
2			2390.000	61.667	29.371	-12.333	74.000	32.296	PK
3		*	2411.528	102.665	70.275	N/A	N/A	32.390	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:59
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2412MHz	

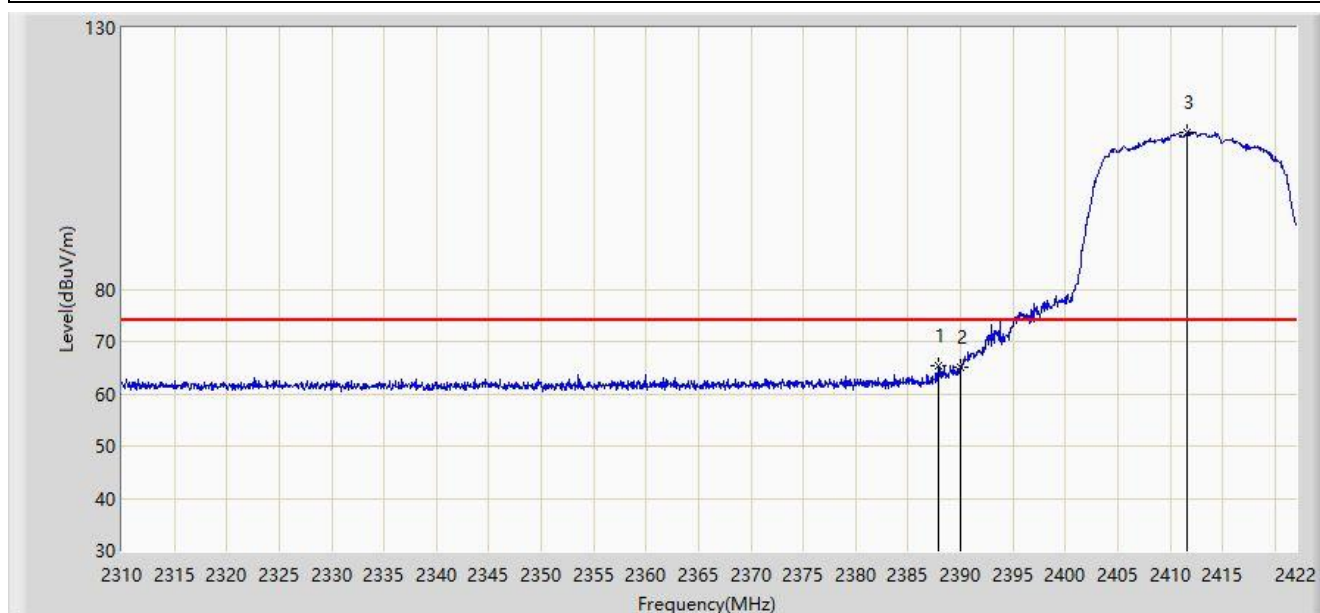


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	50.996	18.700	-3.004	54.000	32.296	AV
2		*	2413.264	94.778	62.380	N/A	N/A	32.398	AV

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

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

Site: AC1	Time: 2021/05/31 - 14:57
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2412MHz	

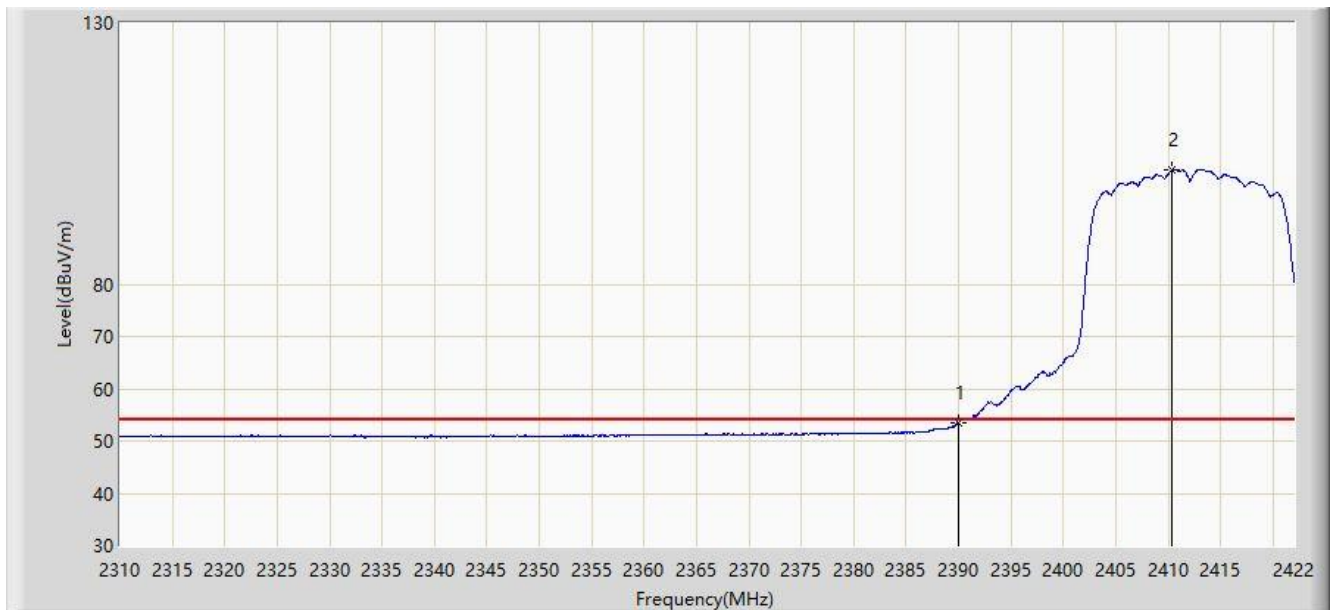


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2387.840	65.323	33.036	-8.677	74.000	32.286	PK
2			2390.000	64.967	32.671	-9.033	74.000	32.296	PK
3		*	2411.640	110.120	77.729	N/A	N/A	32.391	PK

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

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

Site: AC1	Time: 2021/05/31 - 14:55
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2412MHz	

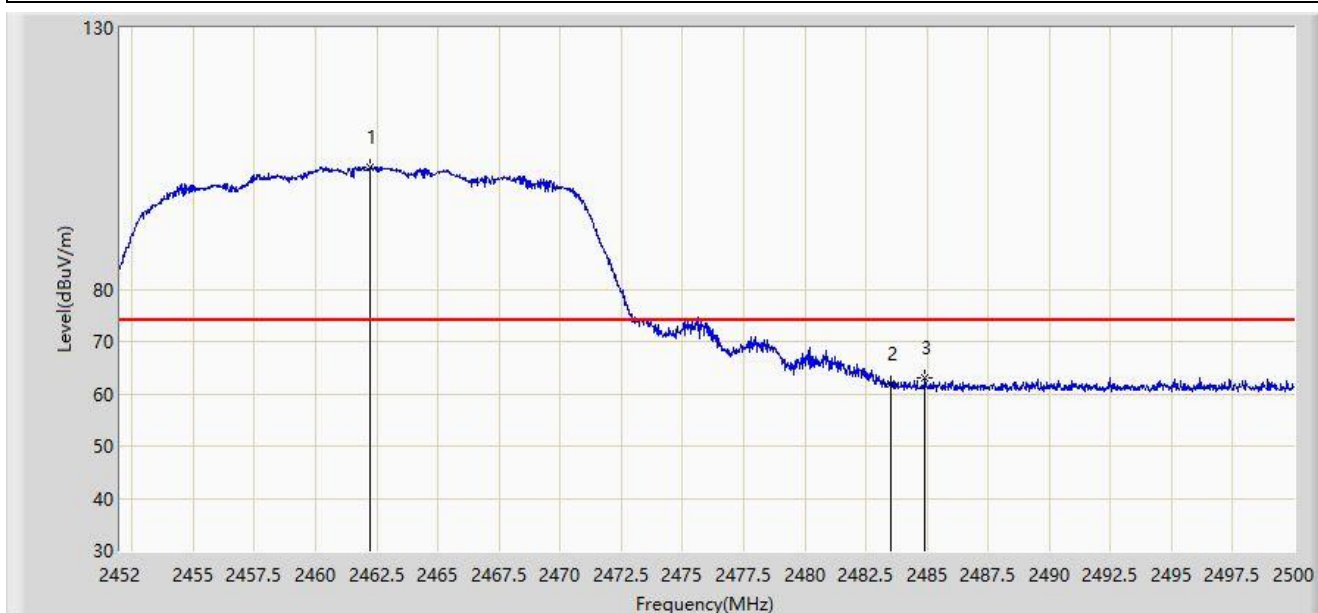


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	53.609	21.313	-0.391	54.000	32.296	AV
2		*	2410.408	101.908	69.523	N/A	N/A	32.385	AV

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

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

Site: AC1	Time: 2021/05/31 - 15:09
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2462MHz	

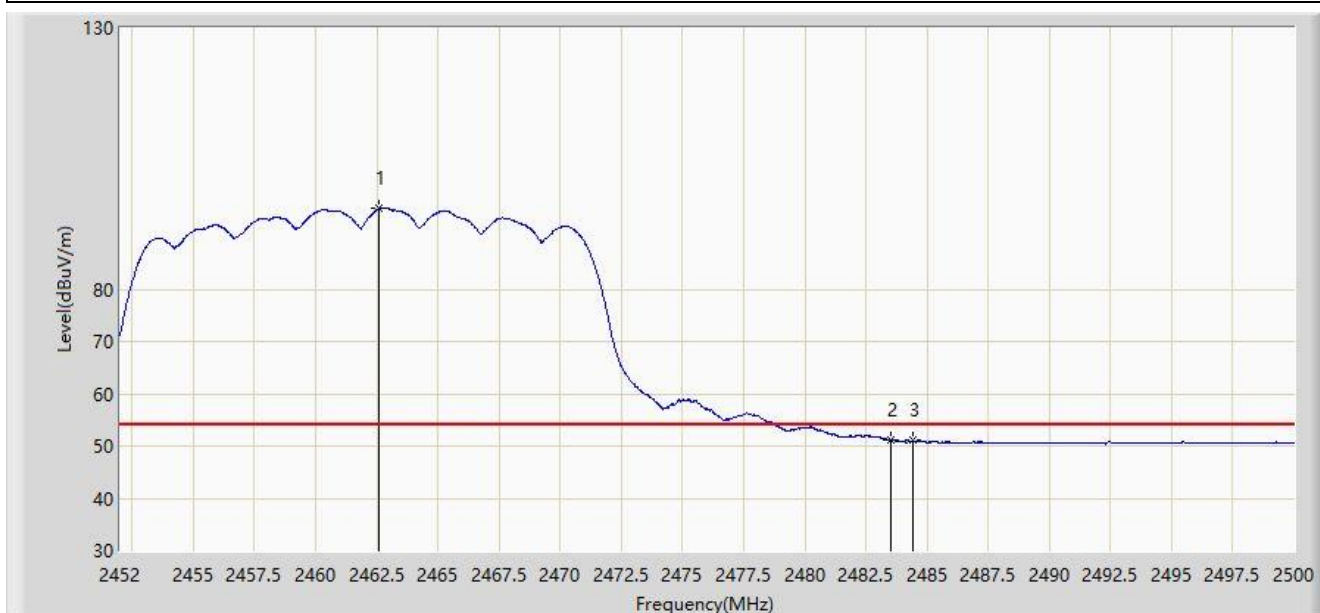


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.200	103.404	70.791	N/A	N/A	32.614	PK
2			2483.500	62.016	29.308	-11.984	74.000	32.707	PK
3			2484.928	63.026	30.312	-10.974	74.000	32.714	PK

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

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

Site: AC1	Time: 2021/05/31 - 15:10
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2462MHz	

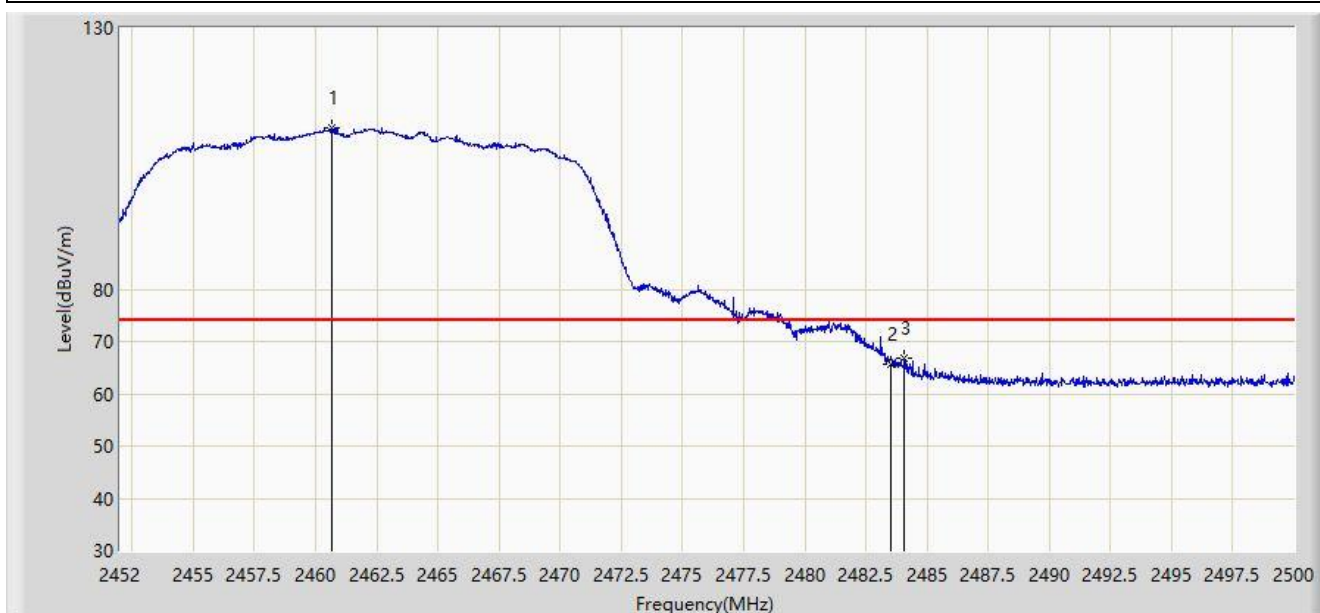


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2462.608	95.411	62.796	N/A	N/A	32.615	AV
2			2483.500	51.242	18.534	-2.758	54.000	32.707	AV
3			2484.424	51.061	18.349	-2.939	54.000	32.711	AV

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

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

Site: AC1	Time: 2021/05/31 - 15:06
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2462MHz	

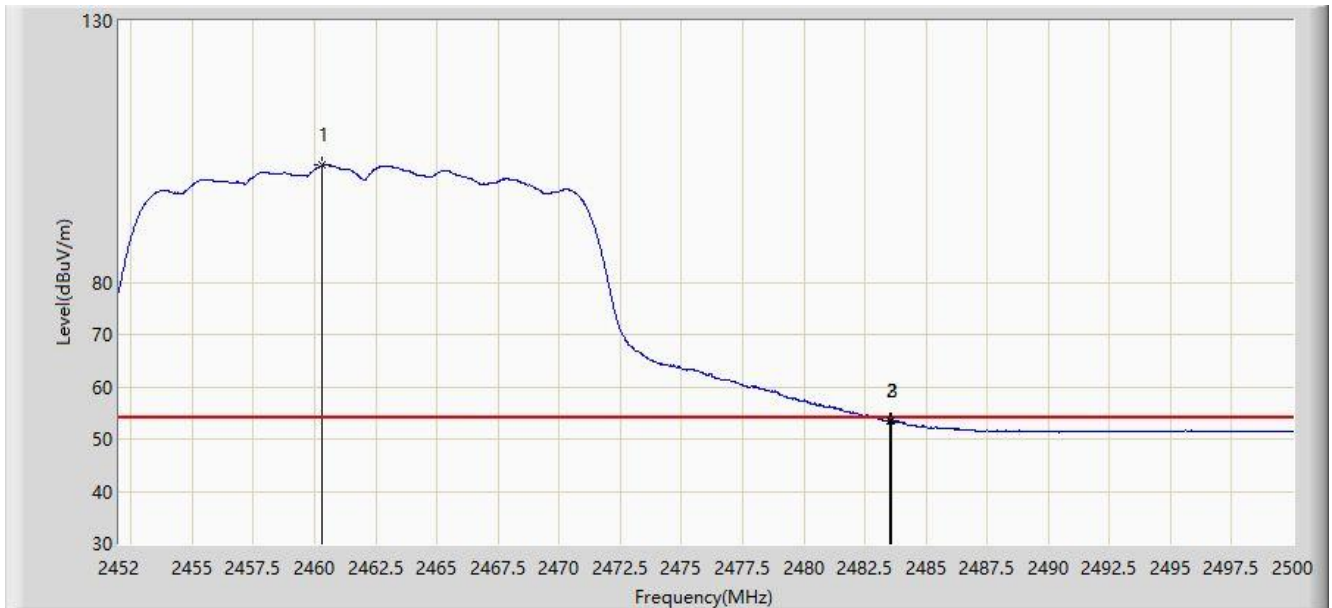


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.640	110.950	78.344	N/A	N/A	32.607	PK
2			2483.500	65.759	33.051	-8.241	74.000	32.707	PK
3			2484.064	66.751	34.041	-7.249	74.000	32.710	PK

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

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

Site: AC1	Time: 2021/05/31 - 15:05
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT20 at Channel 2462MHz	

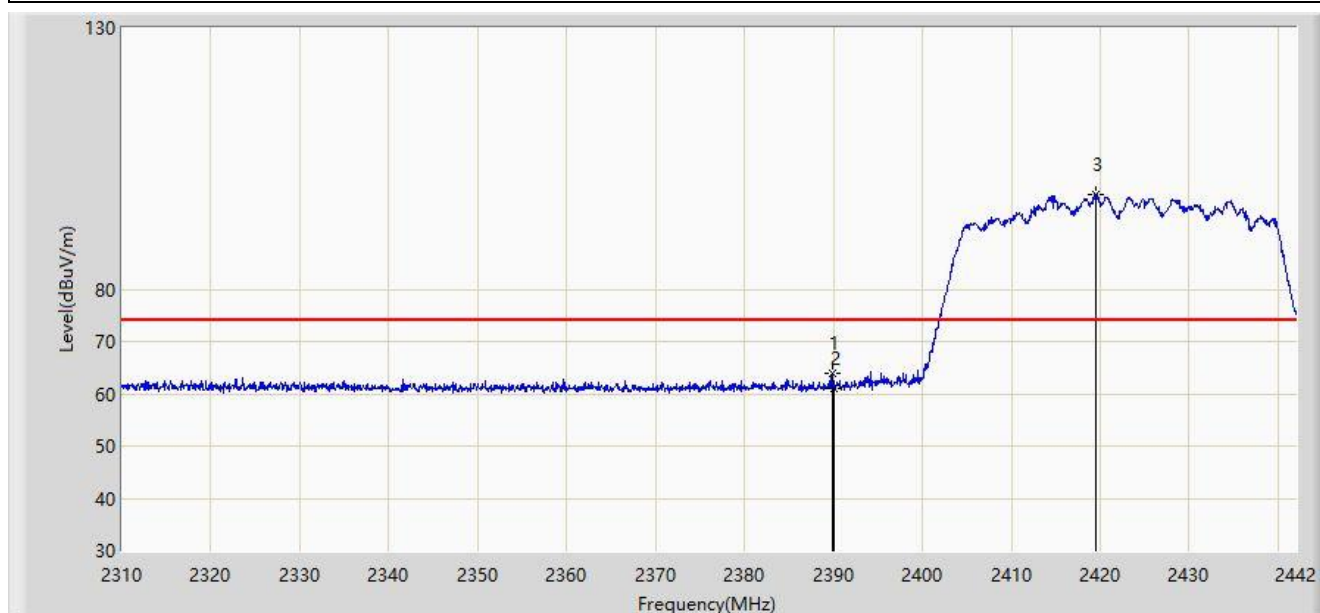


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2460.328	102.401	69.796	N/A	N/A	32.605	AV
2			2483.500	53.374	20.666	-0.626	54.000	32.707	AV
3			2483.560	53.500	20.792	-0.500	54.000	32.707	AV

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

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

Site: AC1	Time: 2021/05/31 - 15:25
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2422MHz	

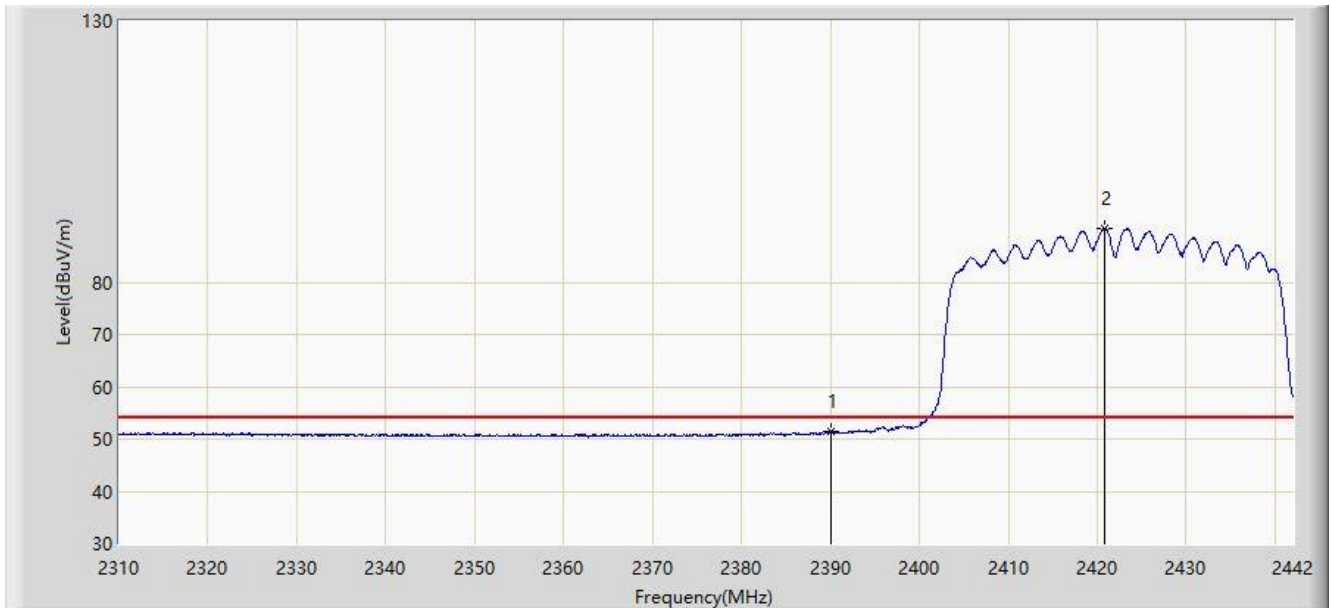


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2389.926	64.031	31.735	-9.969	74.000	32.296	PK
2			2390.000	60.984	28.688	-13.016	74.000	32.296	PK
3		*	2419.560	98.195	65.769	N/A	N/A	32.426	PK

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

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

Site: AC1	Time: 2021/05/31 - 15:27
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2422MHz	

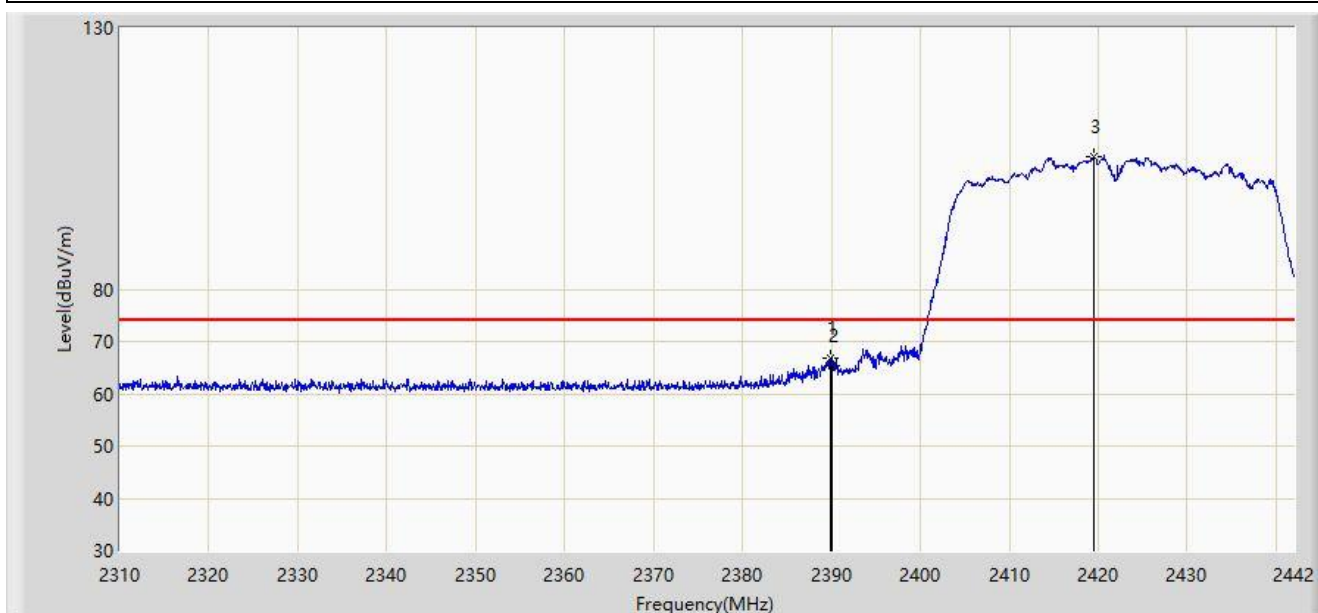


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	51.317	19.021	-2.683	54.000	32.296	AV
2		*	2420.748	90.366	57.935	N/A	N/A	32.432	AV

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

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

Site: AC1	Time: 2021/05/31 - 15:23
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2422MHz	

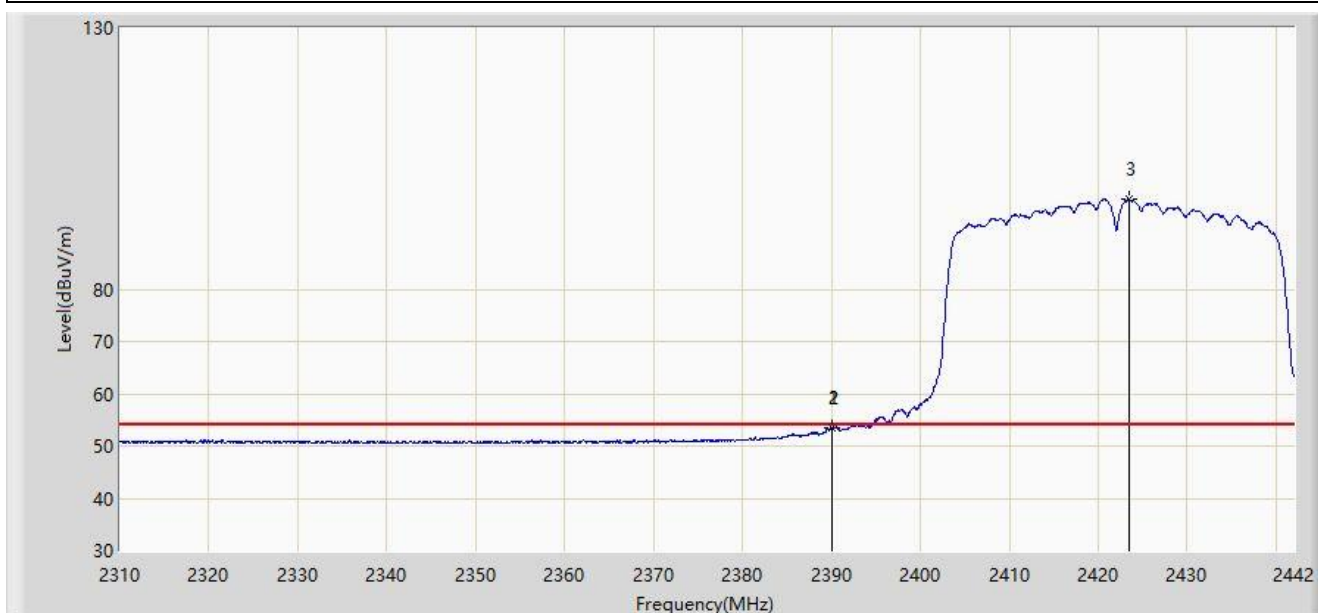


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2389.860	66.756	34.460	-7.244	74.000	32.296	PK
2			2390.000	65.333	33.037	-8.667	74.000	32.296	PK
3		*	2419.428	105.343	72.918	N/A	N/A	32.425	PK

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

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

Site: AC1	Time: 2021/05/31 - 15:22
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2422MHz	

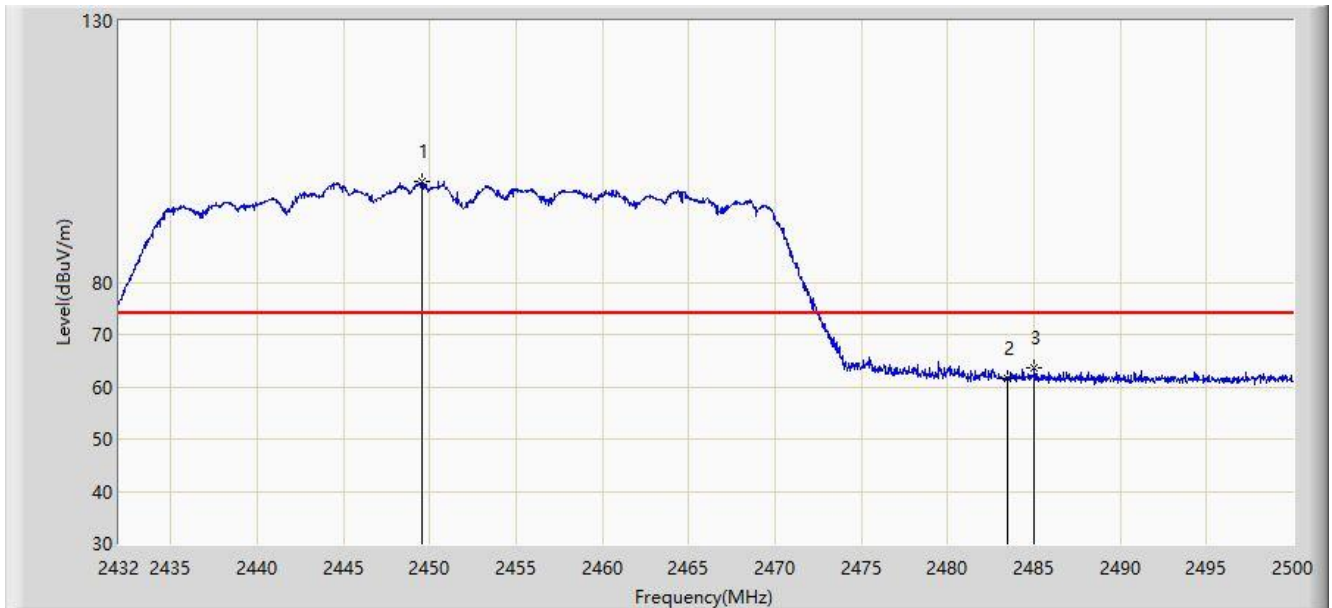


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1			2389.992	53.478	21.182	-0.522	54.000	32.296	AV
2			2390.000	53.473	21.177	-0.527	54.000	32.296	AV
3		*	2423.454	97.147	64.704	N/A	N/A	32.443	AV

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

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

Site: AC1	Time: 2021/05/31 - 15:37
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2452MHz	

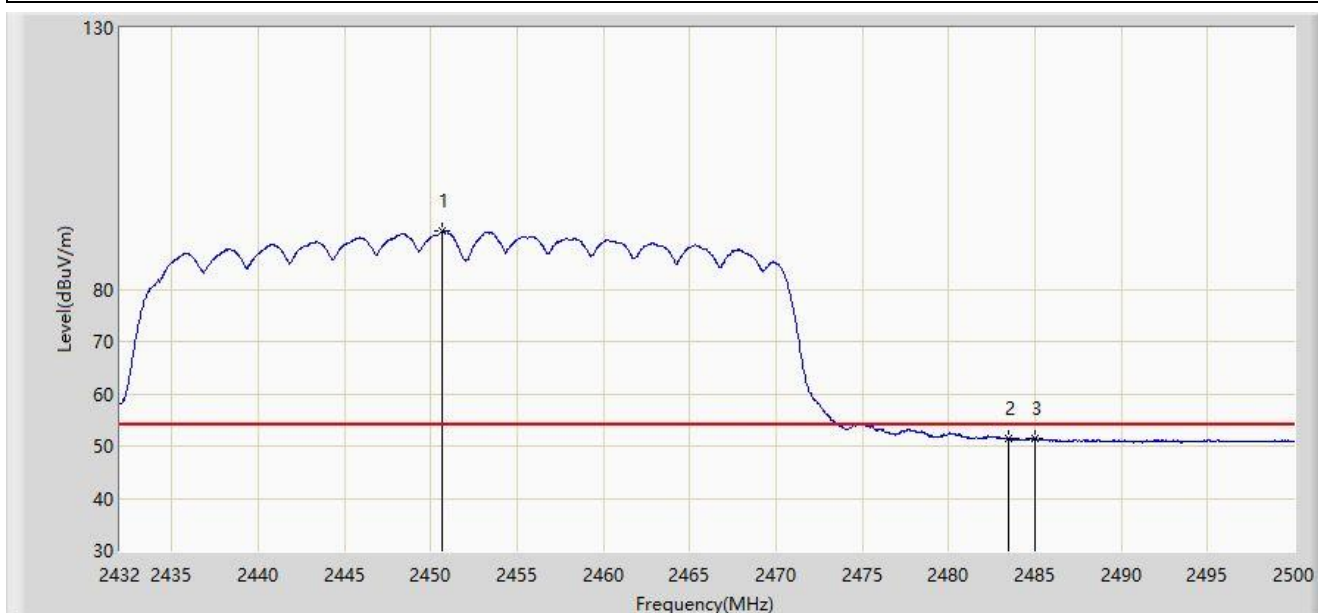


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2449.544	99.247	66.689	N/A	N/A	32.558	PK
2			2483.500	61.730	29.022	-12.270	74.000	32.707	PK
3			2485.040	63.500	30.786	-10.500	74.000	32.714	PK

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

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

Site: AC1	Time: 2021/05/31 - 15:38
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2450.632	91.029	58.466	N/A	N/A	32.563	AV
2			2483.500	51.340	18.632	-2.660	54.000	32.707	AV
3			2485.040	51.532	18.818	-2.468	54.000	32.714	AV

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

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

Site: AC1	Time: 2021/05/31 - 15:35
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2452MHz	

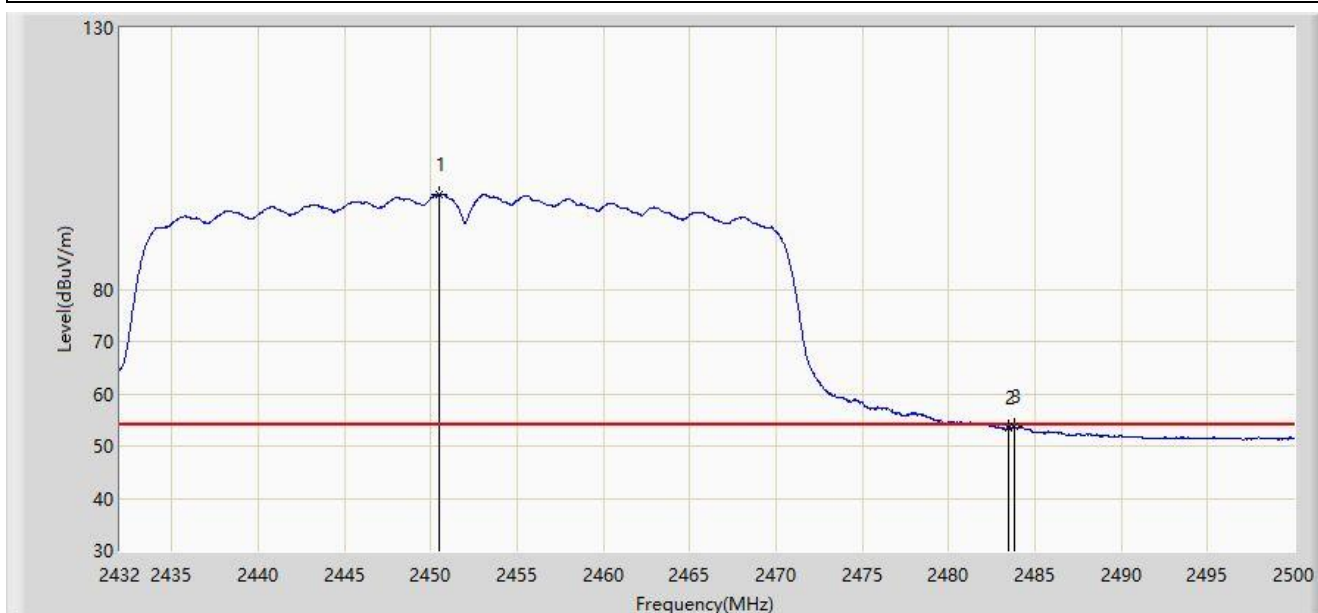


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2450.326	106.407	73.845	N/A	N/A	32.562	PK
2			2483.500	65.650	32.942	-8.350	74.000	32.707	PK
3			2483.918	67.105	34.395	-6.895	74.000	32.710	PK

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

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

Site: AC1	Time: 2021/05/31 - 15:34
Limit: FCC_Part15.209_RE(3m)	Margin: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Note: Transmit by 802.11n-HT40 at Channel 2452MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	2450.496	98.212	65.650	N/A	N/A	32.562	AV
2			2483.500	53.534	20.826	-0.466	54.000	32.707	AV
3			2483.850	53.651	20.942	-0.349	54.000	32.709	AV

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

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

7.8. AC Conducted Emissions Measurement

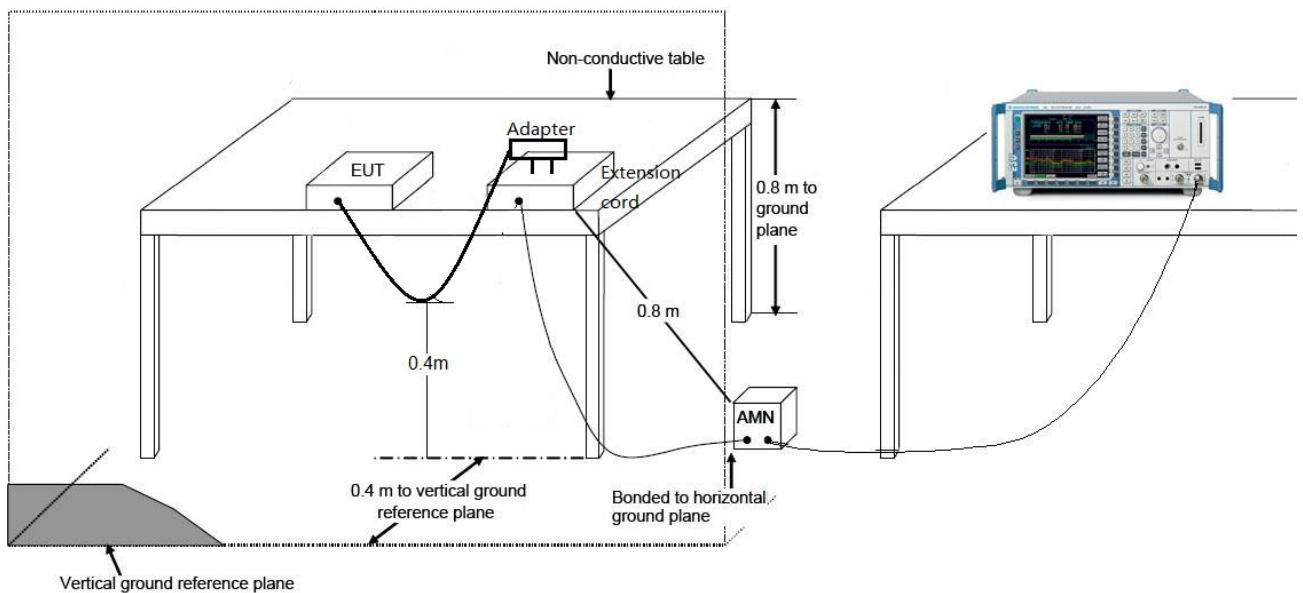
7.8.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits		
Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

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

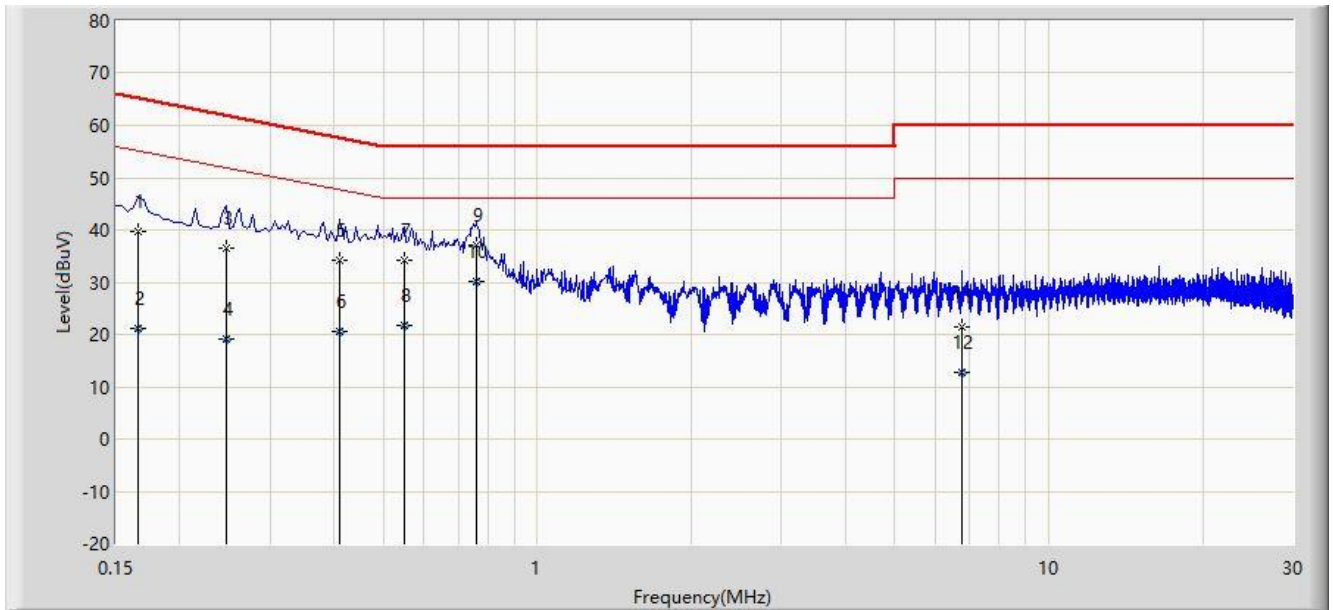
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.8.2. Test Setup



7.8.3.Test Result

Site: SR2	Time: 2021/07/31 - 14:38
Limit: FCC_Part15.207_CE_AC Power	Engineer: Eric Lin
Probe: TW ENV216 (Filter On)_2020	Polarity: Line
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	

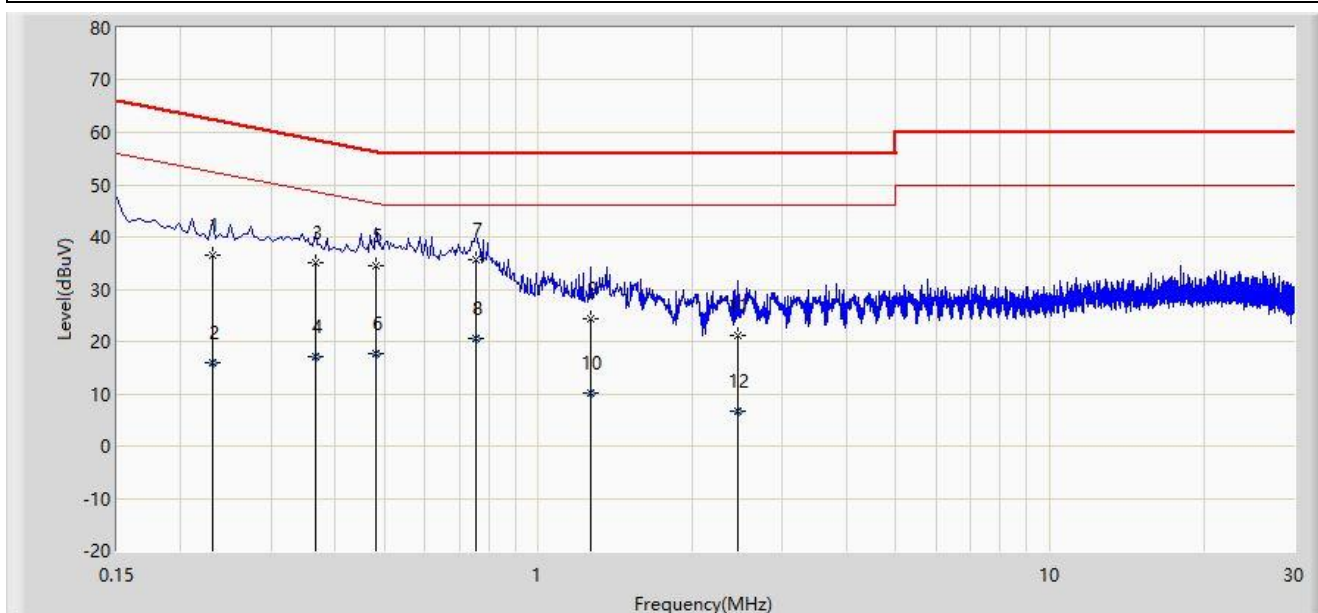


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.166	39.623	30.013	-25.535	65.158	9.610	QP
2			0.166	21.045	11.435	-34.113	55.158	9.610	AV
3			0.246	36.552	26.933	-25.339	61.891	9.619	QP
4			0.246	19.027	9.408	-32.864	51.891	9.619	AV
5			0.410	34.247	24.623	-23.402	57.648	9.624	QP
6			0.410	20.501	10.877	-27.148	47.648	9.624	AV
7			0.550	34.243	24.613	-21.757	56.000	9.630	QP
8			0.550	21.604	11.974	-24.396	46.000	9.630	AV
9			0.758	37.145	27.495	-18.855	56.000	9.650	QP
10		*	0.758	30.103	20.453	-15.897	46.000	9.650	AV
11			6.766	21.404	11.614	-38.596	60.000	9.790	QP
12			6.766	12.744	2.954	-37.256	50.000	9.790	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: SR2	Time: 2021/07/31 - 14:51
Limit: FCC_Part15.207_CE_AC Power	Engineer: Eric Lin
Probe: TW ENV216 (Filter On)_2020	Polarity: Neutral
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2437MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.230	36.644	27.020	-25.806	62.450	9.624	QP
2			0.230	15.844	6.220	-36.606	52.450	9.624	AV
3			0.366	35.085	25.455	-23.506	58.591	9.630	QP
4			0.366	17.031	7.401	-31.560	48.591	9.630	AV
5			0.482	34.575	24.935	-21.730	56.305	9.640	QP
6			0.482	17.643	8.003	-28.662	46.305	9.640	AV
7		*	0.754	35.687	26.027	-20.313	56.000	9.660	QP
8			0.754	20.585	10.925	-25.415	46.000	9.660	AV
9			1.262	24.344	14.664	-31.656	56.000	9.680	QP
10			1.262	10.231	0.551	-35.769	46.000	9.680	AV
11			2.446	21.111	11.418	-34.889	56.000	9.693	QP
12			2.446	6.591	-3.102	-39.409	46.000	9.693	AV

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

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

8. CONCLUSION

The data collected relate only the item(s) tested and show that the device is in compliance with Part 15C of the FCC Rules.

The End

Appendix A - Test Setup Photograph

Refer to “ 2105TW0002-Setup Photo” file.

Appendix B - External Photograph

Refer to “ 2105TW0002-External Photo” file.

Appendix C - Internal Photograph

Refer to “ 2105TW0002-Internal Photo” file.