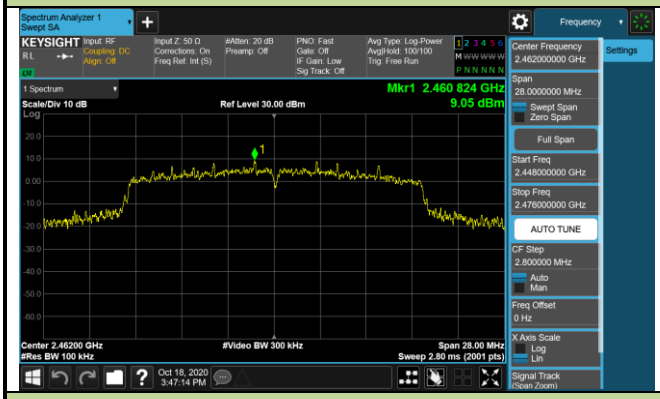
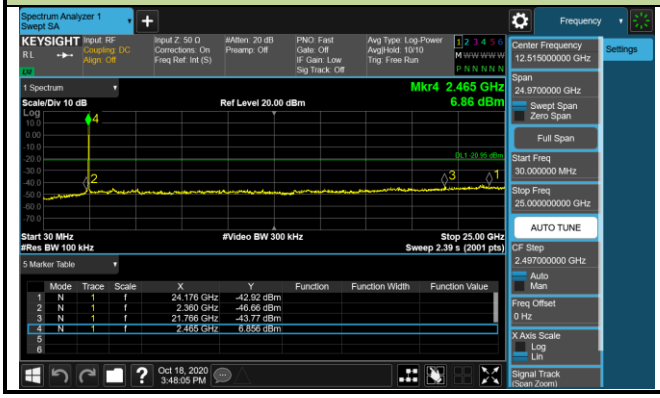
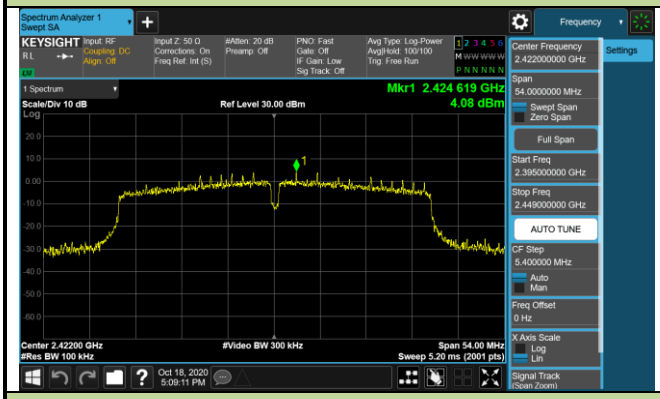
802.11n-HT20 Out-of-Band Emissions	
Channel 11 (2462MHz)	
100kHz PSD reference Level	High Band Edge
	
Spurious Emission	
	

802.11n-HT40 Out-of-Band Emissions

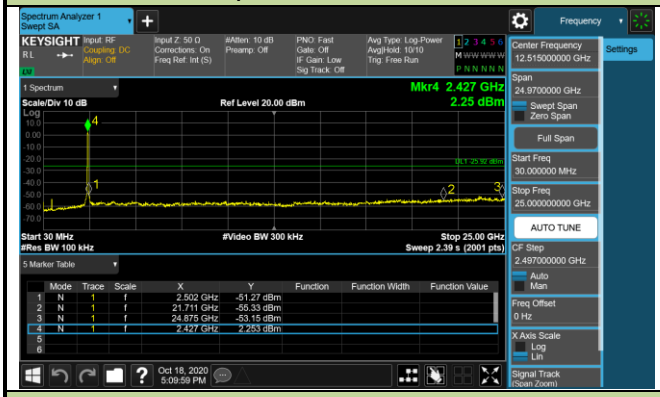
Channel 03 (2422MHz)

100kHz PSD reference Level



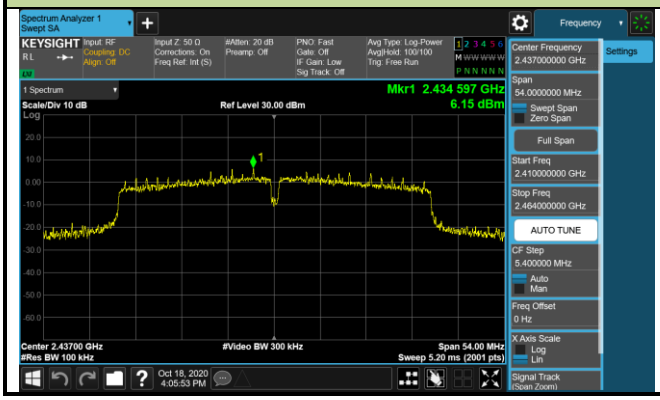
Low Band Edge

Spurious Emission

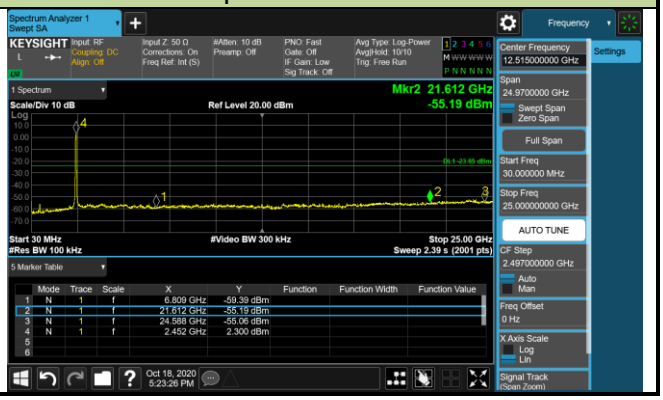


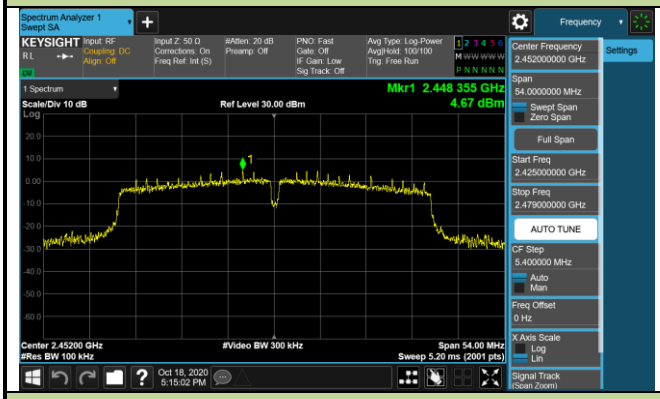
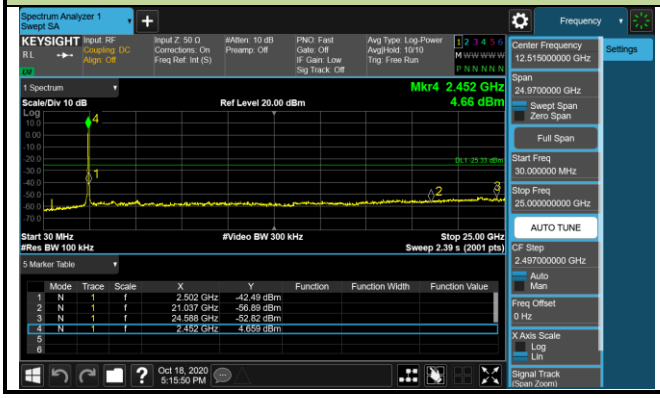
Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



802.11n-HT40 Out-of-Band Emissions	
Channel 09 (2452MHz)	
100kHz PSD reference Level	High Band Edge
	
Spurious Emission	
	

6.6. Radiated Spurious Emission Measurement

6.6.1.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 & RSS-Gen Section 8.9		
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

6.6.2.Test Procedure Used

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)

6.6.3.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

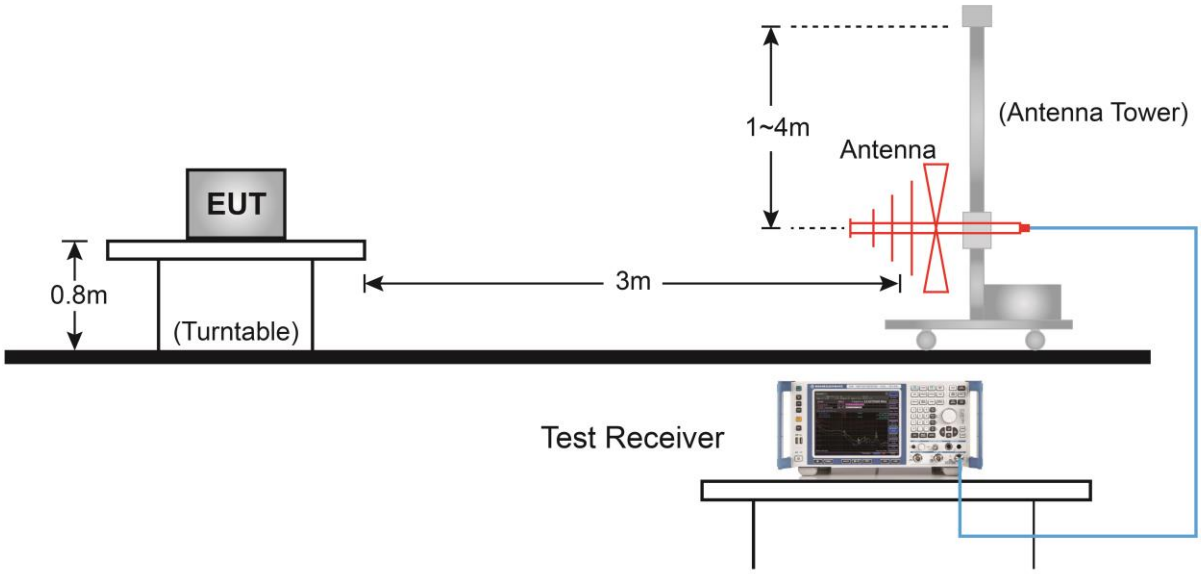
5. Sweep time = auto

6. Trace mode = max hold

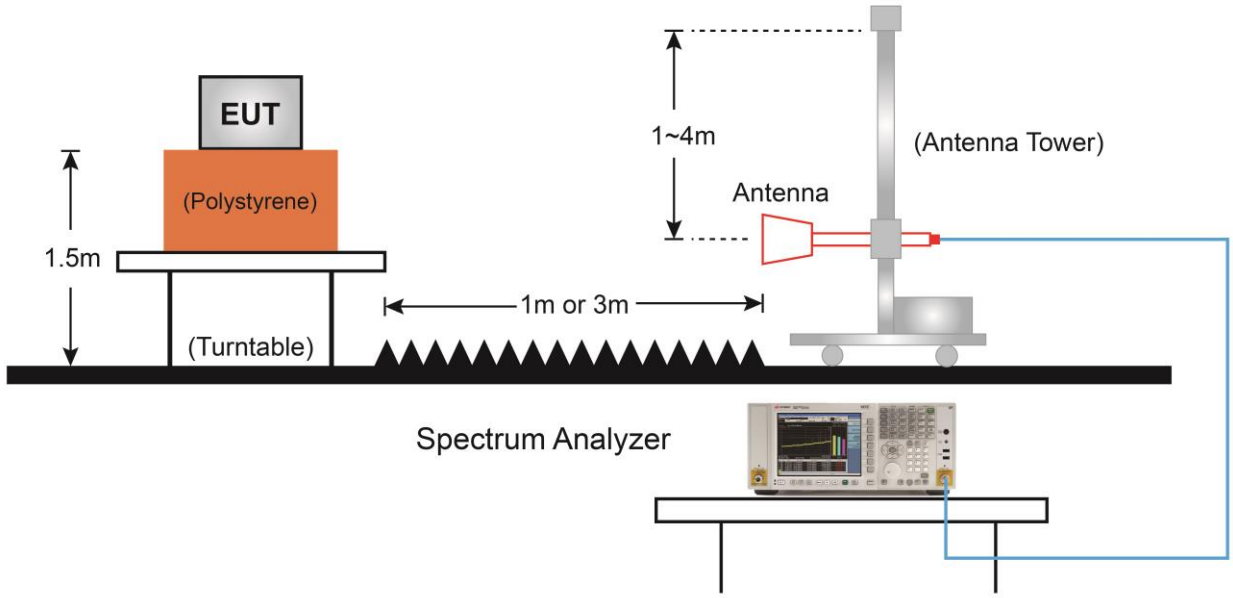
7. Trace was allowed to stabilize

6.6.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5.Test Result

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11b	Test Channel	01
Note	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
	3737.0	39.5	2.7	42.2	74.0	-31.8	Peak	Horizontal
	4825.0	44.9	5.8	50.7	74.0	-23.3	Peak	Horizontal
*	5972.5	40.5	6.9	47.4	74.0	-26.6	Peak	Horizontal
*	9653.0	52.0	14.2	66.2	74.0	-7.8	Peak	Horizontal
	3737.0	39.9	2.7	42.6	74.0	-31.4	Peak	Vertical
	4825.0	40.6	5.8	46.4	74.0	-27.6	Peak	Vertical
*	5233.0	39.8	6.1	45.9	74.0	-28.1	Peak	Vertical
*	9644.5	44.8	14.4	59.2	74.0	-14.8	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11b	Test Channel	06
Note	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
	3737.0	38.9	2.7	41.6	74.0	-32.4	Peak	Horizontal
	4876.0	41.2	5.5	46.7	74.0	-27.3	Peak	Horizontal
*	6227.5	38.9	7.3	46.2	74.0	-27.8	Peak	Horizontal
*	9746.5	46.6	15.3	61.9	74.0	-12.1	Peak	Horizontal
	3737.0	39.1	2.7	41.8	74.0	-32.2	Peak	Vertical
	4876.0	39.0	5.5	44.5	74.0	-29.5	Peak	Vertical
*	9262.0	37.8	14.5	52.3	74.0	-21.7	Peak	Vertical
*	9746.5	41.5	15.3	56.8	74.0	-17.2	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11b	Test Channel	11
Note	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
	3737.0	39.8	2.7	42.5	74.0	-31.5	Peak	Horizontal
	4978.0	37.8	6.2	44.0	74.0	-30.0	Peak	Horizontal
*	7859.5	38.1	11.1	49.2	74.0	-24.8	Peak	Horizontal
*	9848.5	44.2	15.4	59.6	74.0	-14.4	Peak	Horizontal
	3737.0	38.7	2.7	41.4	74.0	-32.6	Peak	Vertical
	4927.0	37.2	6.2	43.4	74.0	-30.6	Peak	Vertical
*	6559.0	37.6	8.5	46.1	74.0	-27.9	Peak	Vertical
*	9848.5	39.5	15.4	54.9	74.0	-19.1	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11g	Test Channel	01
Note	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
	3737.0	38.3	2.7	41.0	74.0	-33.0	Peak	Horizontal
	4825.0	38.9	5.8	44.7	74.0	-29.3	Peak	Horizontal
*	5972.5	40.1	6.9	47.0	74.0	-27.0	Peak	Horizontal
*	9644.5	43.3	14.4	57.7	74.0	-16.3	Peak	Horizontal
	3737.0	38.7	2.7	41.4	74.0	-32.6	Peak	Vertical
	4731.5	37.9	5.8	43.7	74.0	-30.3	Peak	Vertical
*	5233.0	39.6	6.1	45.7	74.0	-28.3	Peak	Vertical
*	9653.0	39.0	14.2	53.2	74.0	-20.8	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11g	Test Channel	06
Note	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
	3737.0	39.1	2.7	41.8	74.0	-32.2	Peak	Horizontal
	4978.0	37.4	6.2	43.6	74.0	-30.4	Peak	Horizontal
*	8692.5	37.5	13.1	50.6	74.0	-23.4	Peak	Horizontal
*	9755.0	43.3	15.3	58.6	74.0	-15.4	Peak	Horizontal
	3737.0	38.4	2.7	41.1	74.0	-32.9	Peak	Vertical
	4978.0	38.6	6.2	44.8	74.0	-29.2	Peak	Vertical
*	6720.5	37.8	8.9	46.7	74.0	-27.3	Peak	Vertical
*	8879.5	37.3	12.8	50.1	74.0	-23.9	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11g	Test Channel	11
Note	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
	3737.0	38.3	2.7	41.0	74.0	-33.0	Peak	Horizontal
	4731.5	38.6	5.8	44.4	74.0	-29.6	Peak	Horizontal
*	7868.0	36.9	11.2	48.1	74.0	-25.9	Peak	Horizontal
*	9848.5	40.2	15.4	55.6	74.0	-18.4	Peak	Horizontal
	3737.0	38.9	2.7	41.6	74.0	-32.4	Peak	Vertical
	4978.0	38.2	6.2	44.4	74.0	-29.6	Peak	Vertical
*	6941.5	37.4	9.3	46.7	74.0	-27.3	Peak	Vertical
*	8913.5	37.5	13.1	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11n-HT20	Test Channel	01
Note	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
	4816.5	39.5	5.8	45.3	74.0	-28.7	Peak	Horizontal
	7494.0	36.9	10.8	47.7	74.0	-26.3	Peak	Horizontal
*	7885.0	37.5	11.1	48.6	74.0	-25.4	Peak	Horizontal
*	9644.5	44.1	14.4	58.5	74.0	-15.5	Peak	Horizontal
	3737.0	38.1	2.7	40.8	74.0	-33.2	Peak	Vertical
	4978.0	38.1	6.2	44.3	74.0	-29.7	Peak	Vertical
*	6346.5	37.2	8.1	45.3	74.0	-28.7	Peak	Vertical
*	9636.0	37.2	14.5	51.7	74.0	-22.3	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11n-HT20	Test Channel	06
Note	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	38.4	5.5	43.9	74.0	-30.1	Peak	Horizontal
	7443.0	36.8	11.0	47.8	74.0	-26.2	Peak	Horizontal
*	8905.0	37.4	13.1	50.5	74.0	-23.5	Peak	Horizontal
*	9755.0	42.9	15.3	58.2	74.0	-15.8	Peak	Horizontal
	4978.0	37.4	6.2	43.6	74.0	-30.4	Peak	Vertical
	7358.0	37.0	11.0	48.0	74.0	-26.0	Peak	Vertical
*	8905.0	37.2	13.1	50.3	74.0	-23.7	Peak	Vertical
*	9746.5	37.0	15.3	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11n-HT20	Test Channel	11
Note	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
	3737.0	39.0	2.7	41.7	74.0	-32.3	Peak	Horizontal
	4731.5	38.0	5.8	43.8	74.0	-30.2	Peak	Horizontal
*	7953.0	36.3	11.7	48.0	74.0	-26.0	Peak	Horizontal
*	9848.5	41.4	15.4	56.8	74.0	-17.2	Peak	Horizontal
	3737.0	38.2	2.7	40.9	74.0	-33.1	Peak	Vertical
	4978.0	38.2	6.2	44.4	74.0	-29.6	Peak	Vertical
*	7944.5	37.3	11.5	48.8	74.0	-25.2	Peak	Vertical
*	8786.0	37.8	12.8	50.6	74.0	-23.4	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11n-HT40	Test Channel	03
Note	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
	3737.0	39.1	2.7	41.8	74.0	-32.2	Peak	Horizontal
	4731.5	39.7	5.8	45.5	74.0	-28.5	Peak	Horizontal
*	6474.0	38.8	8.0	46.8	74.0	-27.2	Peak	Horizontal
*	9687.0	43.1	14.6	57.7	74.0	-16.3	Peak	Horizontal
	3737.0	42.0	2.7	44.7	74.0	-29.3	Peak	Vertical
	4731.5	38.1	5.8	43.9	74.0	-30.1	Peak	Vertical
*	5233.0	39.2	6.1	45.3	74.0	-28.7	Peak	Vertical
*	7120.0	37.5	10.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11n-HT40	Test Channel	06
Note	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
	3737.0	40.1	2.7	42.8	74.0	-31.2	Peak	Horizontal
	4731.5	39.3	5.8	45.1	74.0	-28.9	Peak	Horizontal
*	6227.5	39.7	7.3	47.0	74.0	-27.0	Peak	Horizontal
*	9746.5	40.6	15.3	55.9	74.0	-18.1	Peak	Horizontal
	3737.0	40.9	2.7	43.6	74.0	-30.4	Peak	Vertical
	4731.5	39.1	5.8	44.9	74.0	-29.1	Peak	Vertical
*	5233.0	38.1	6.1	44.2	74.0	-29.8	Peak	Vertical
*	7162.5	38.6	10.6	49.2	74.0	-24.8	Peak	Vertical

Note 1: “*” means test frequency did not fall into restricted band

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Product	XMF-H	Test Engineer	Antony Yang
Test Date	2020/10/12	Test Site	AC2
Test Mode	802.11n-HT40	Test Channel	09
Note	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
	3737.0	39.1	2.7	41.8	74.0	-32.2	Peak	Horizontal
	4731.5	39.5	5.8	45.3	74.0	-28.7	Peak	Horizontal
*	5972.5	40.5	6.9	47.4	74.0	-26.6	Peak	Horizontal
*	9806.0	39.2	15.2	54.4	74.0	-19.6	Peak	Horizontal
	3737.0	41.8	2.7	44.5	74.0	-29.5	Peak	Vertical
	4731.5	38.3	5.8	44.1	74.0	-29.9	Peak	Vertical
*	5233.0	37.5	6.1	43.6	74.0	-30.4	Peak	Vertical
*	7162.5	37.3	10.6	47.9	74.0	-26.1	Peak	Vertical

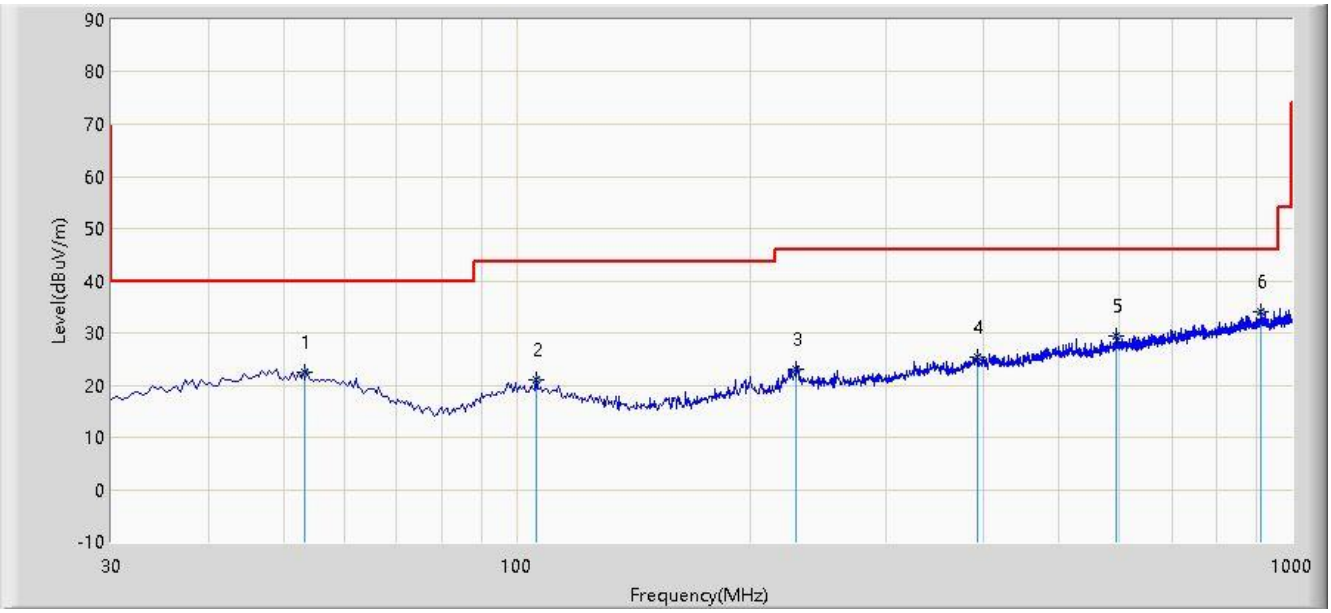
Note 1: “*” means test frequency did not fall into restricted band

Note 2: 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: AC2	Time: 2020/09/28 - 23:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Dillon Diao
Probe: AC2_VULB9162_0.03-7GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode 1	



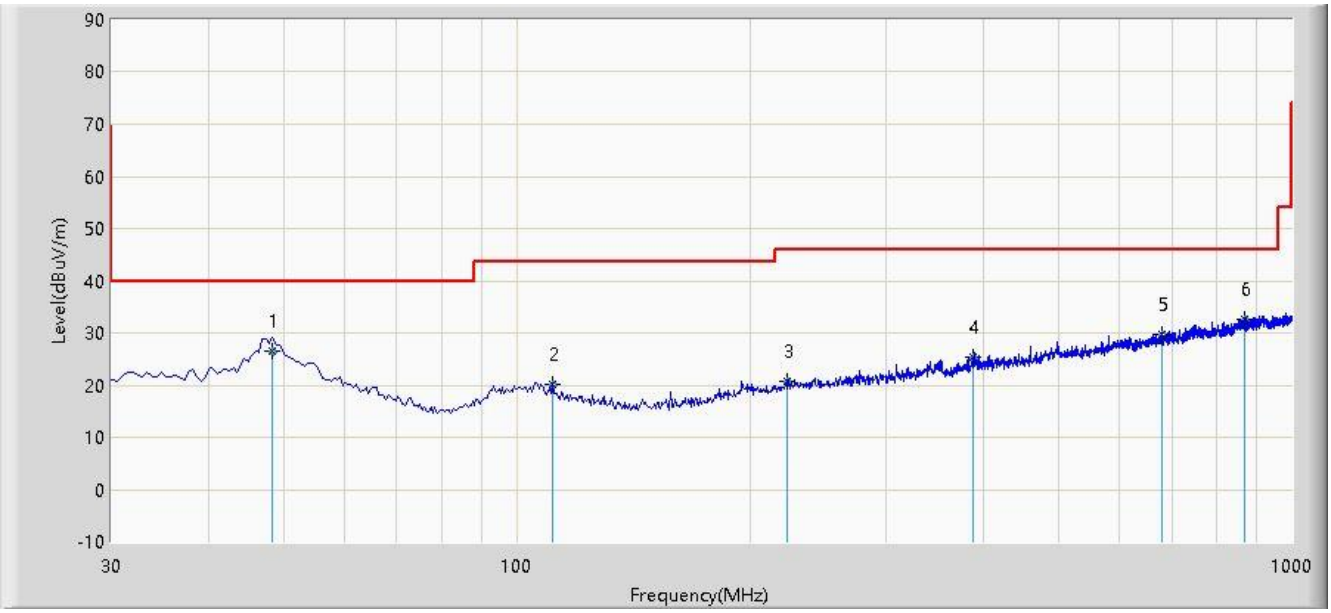
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			53.280	22.319	2.150	-17.681	40.000	20.169	QP
2			106.145	21.071	2.910	-22.429	43.500	18.162	QP
3			229.335	22.931	4.120	-23.069	46.000	18.811	QP
4			393.750	25.497	2.950	-20.503	46.000	22.547	QP
5			593.570	29.438	3.210	-16.562	46.000	26.228	QP
6		*	911.730	34.044	4.210	-11.956	46.000	29.834	QP

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 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: AC2	Time: 2020/09/28 - 23:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Dillon Diao
Probe: AC2_VULB9162_0.03-7GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			48.430	26.494	6.120	-13.506	40.000	20.374	QP
2			111.480	20.120	2.560	-23.380	43.500	17.560	QP
3			223.520	20.633	2.130	-25.367	46.000	18.504	QP
4			388.100	25.484	3.120	-20.516	46.000	22.363	QP
5			679.600	29.615	2.510	-16.385	46.000	27.105	QP
6		*	870.510	32.571	2.910	-13.429	46.000	29.661	QP

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 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.

6.7. Radiated Restricted Band Edge Measurement

6.7.1.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

6.7.2.Test Procedure Used

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

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

6.7.3.Test Setting

Peak Field Strength Measurements

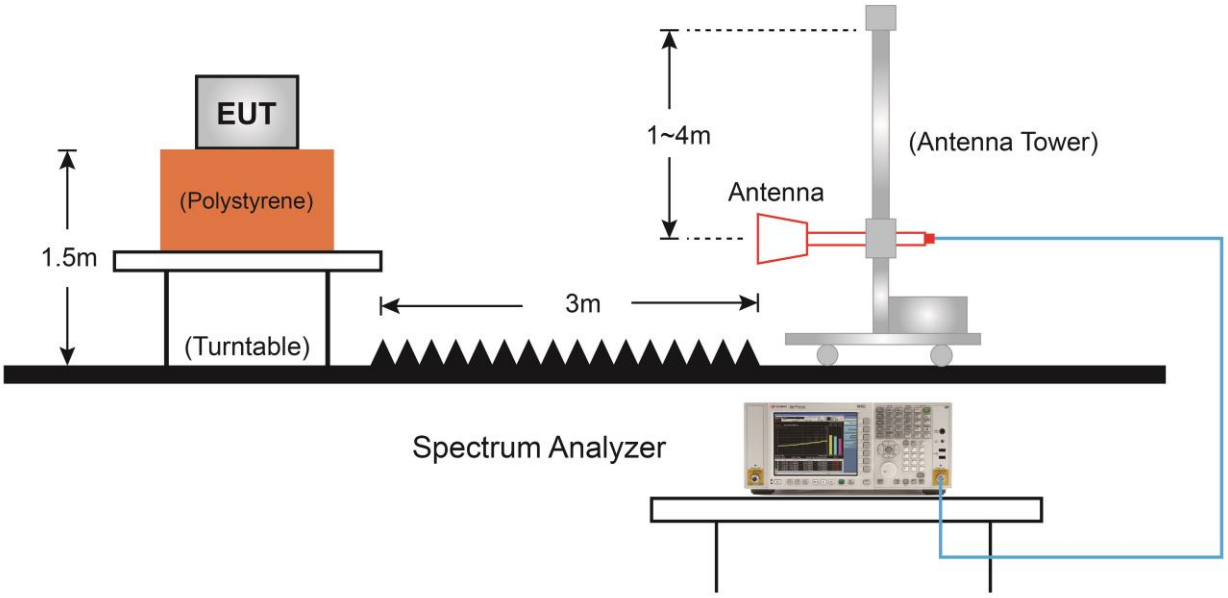
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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 ≥ 98%, set VBW = 10 Hz.

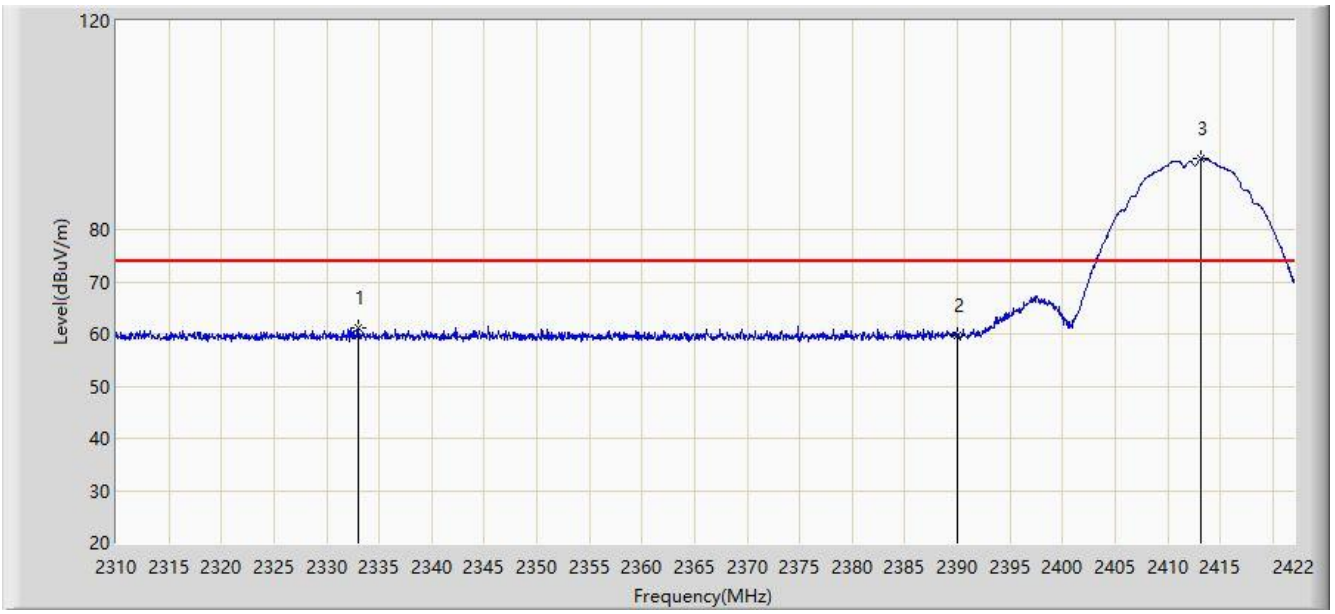
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration.
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.7.4.Test Setup



6.7.5.Test Result

Site: AC1	Time: 2020/10/12 - 14:56
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

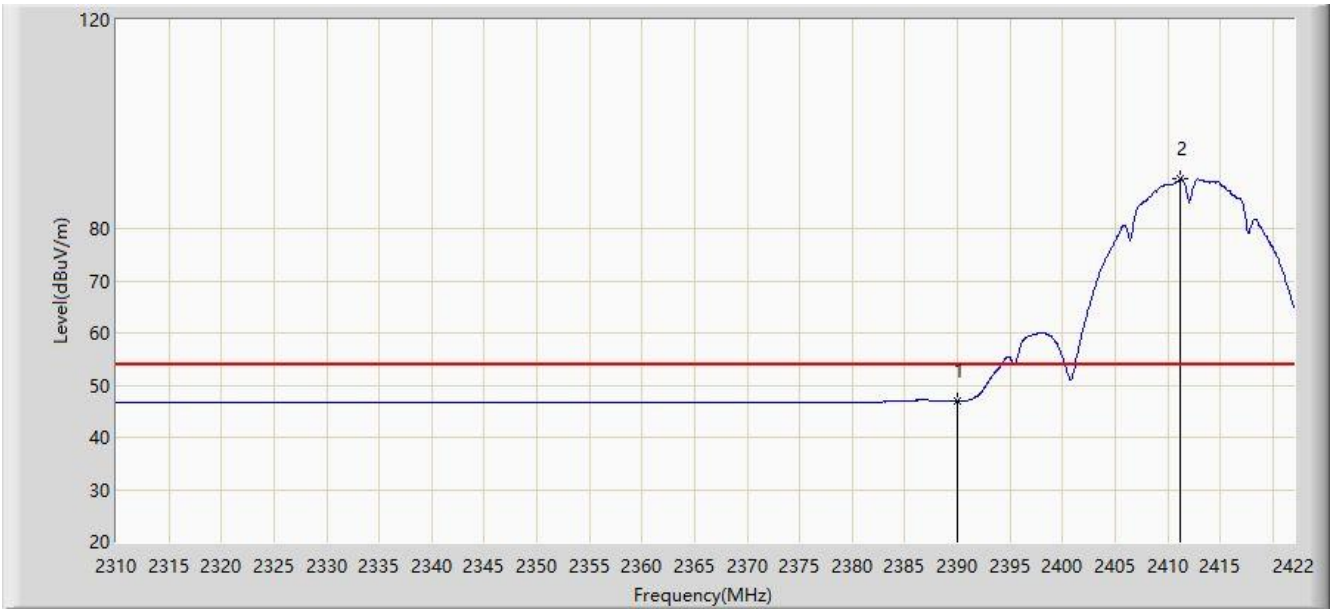


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2333.072	61.179	28.400	-12.821	74.000	32.779	PK
2			2390.000	59.758	27.046	-14.242	74.000	32.712	PK
3		*	2413.208	93.513	60.784	N/A	N/A	32.728	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:03
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

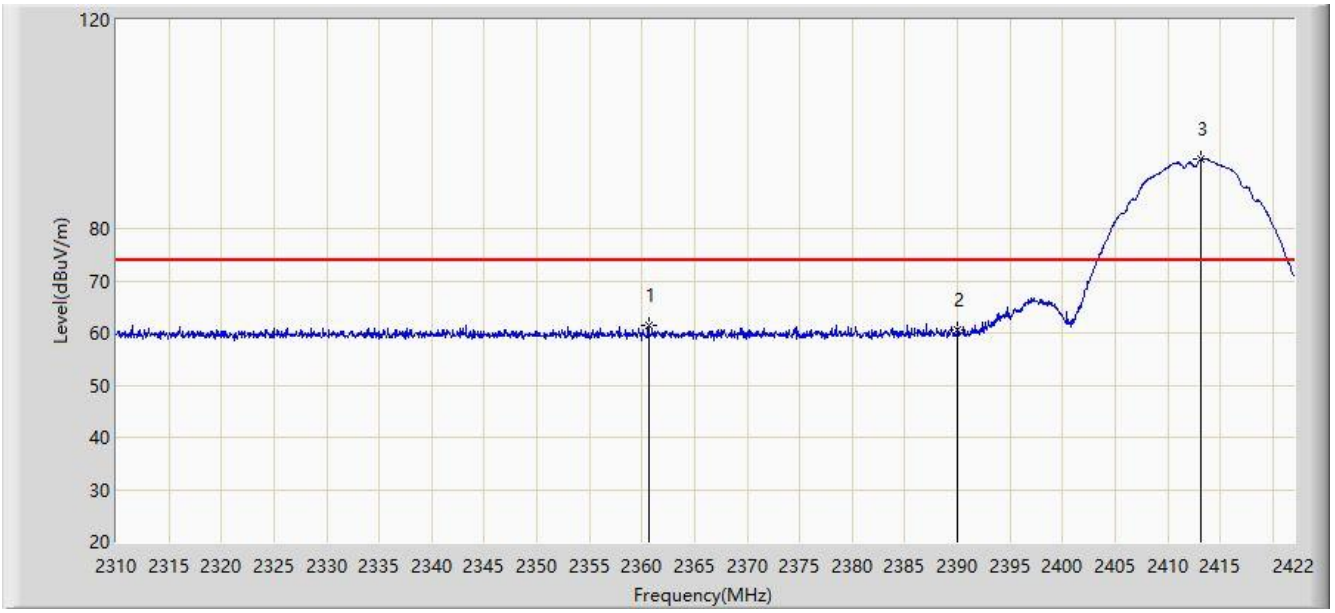


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.853	14.141	-7.147	54.000	32.712	AV
2		*	2411.248	89.470	56.739	N/A	N/A	32.731	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:03
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

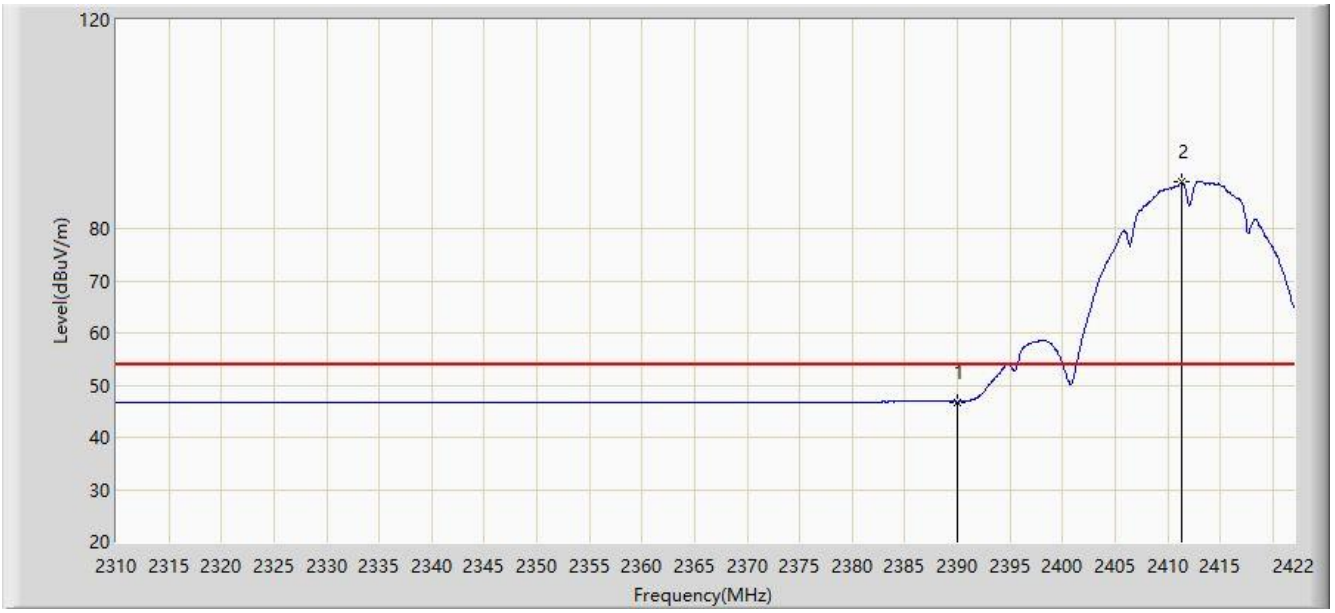


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2360.624	61.482	28.721	-12.518	74.000	32.762	PK
2			2390.000	60.511	27.799	-13.489	74.000	32.712	PK
3		*	2413.152	93.222	60.493	N/A	N/A	32.728	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:05
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz	

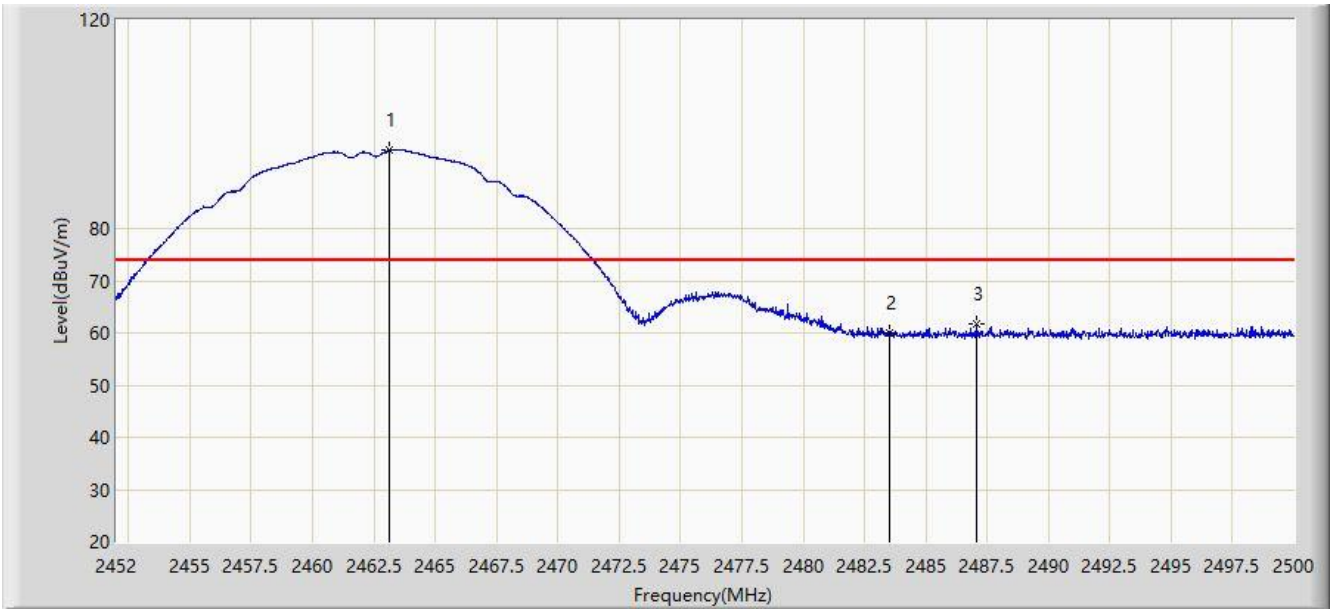


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.807	14.095	-7.193	54.000	32.712	AV
2		*	2411.304	88.848	56.117	N/A	N/A	32.731	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:08
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

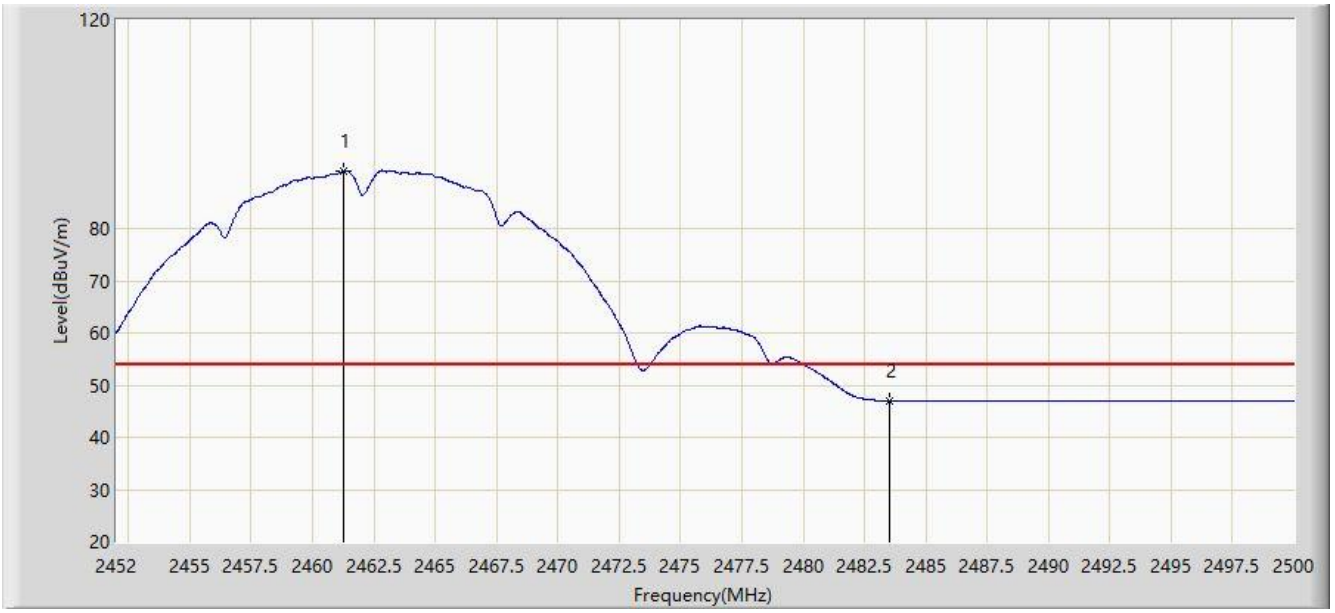


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.112	95.024	62.264	N/A	N/A	32.760	PK
2			2483.500	59.991	27.341	-14.009	74.000	32.651	PK
3			2487.088	61.772	29.153	-12.228	74.000	32.620	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:11
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

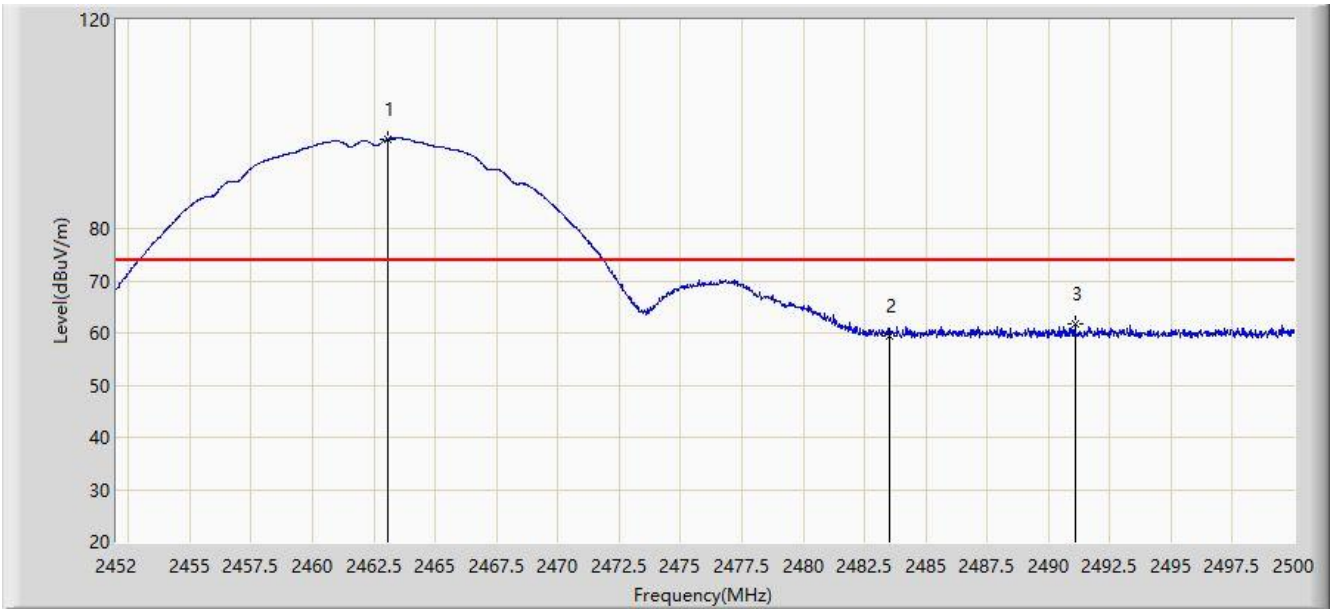


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	90.984	58.230	N/A	N/A	32.754	AV
2			2483.500	46.975	14.325	-7.025	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:12
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

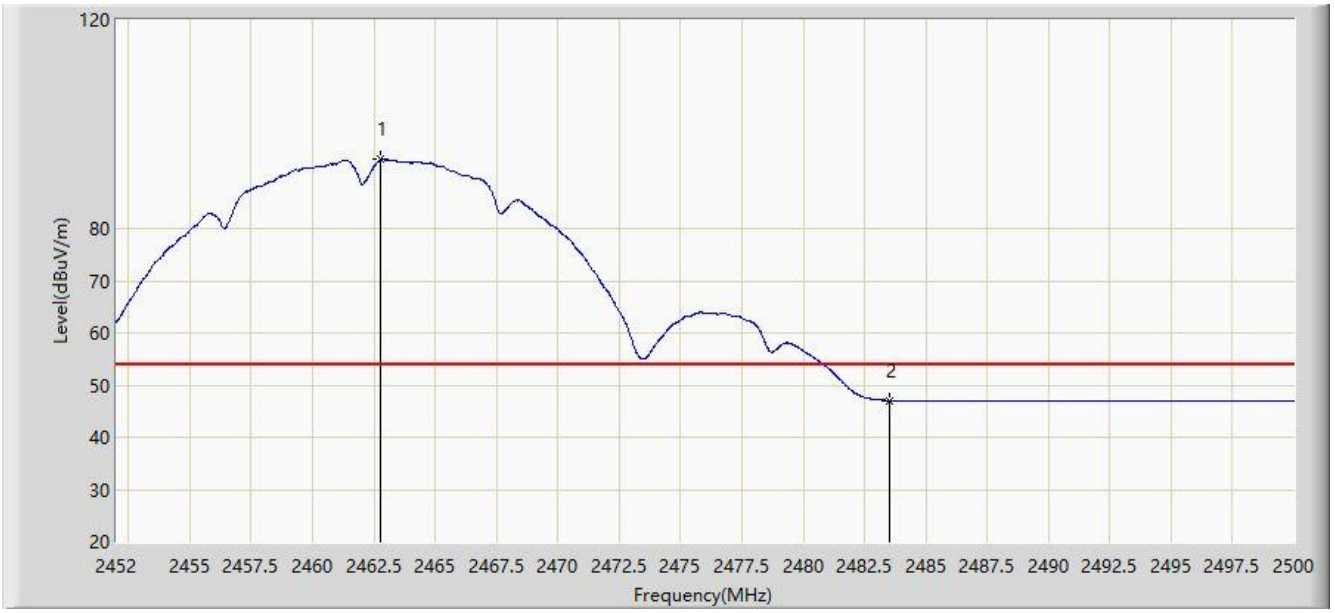


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.088	97.174	64.414	N/A	N/A	32.760	PK
2			2483.500	59.554	26.904	-14.446	74.000	32.651	PK
3			2491.072	61.739	29.123	-12.261	74.000	32.616	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:14
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz	

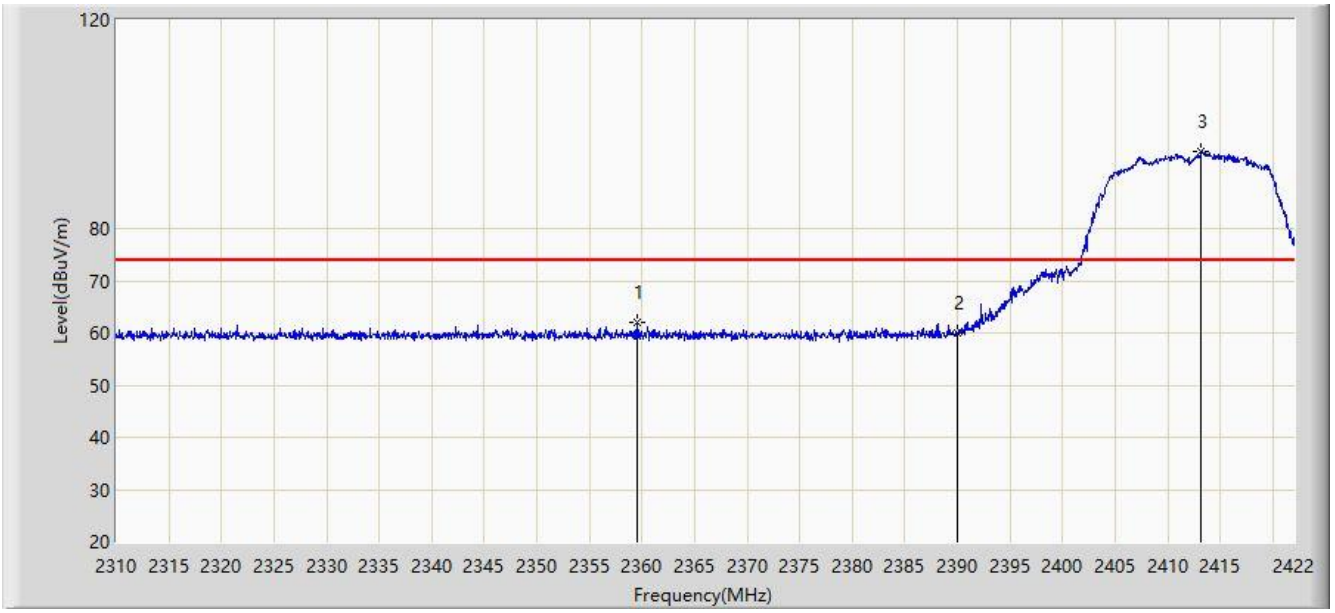


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.776	93.202	60.443	N/A	N/A	32.759	AV
2			2483.500	47.079	14.429	-6.921	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:16
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

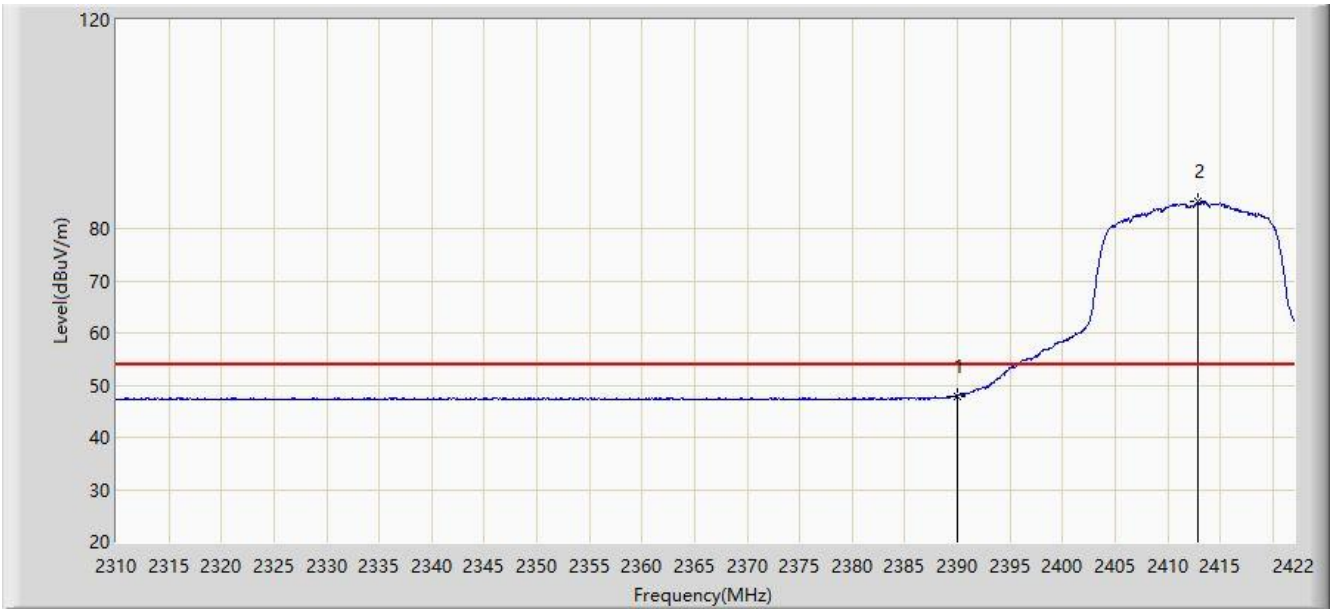


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2359.504	61.885	29.121	-12.115	74.000	32.765	PK
2			2390.000	59.868	27.156	-14.132	74.000	32.712	PK
3		*	2413.208	94.856	62.127	N/A	N/A	32.728	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:19
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

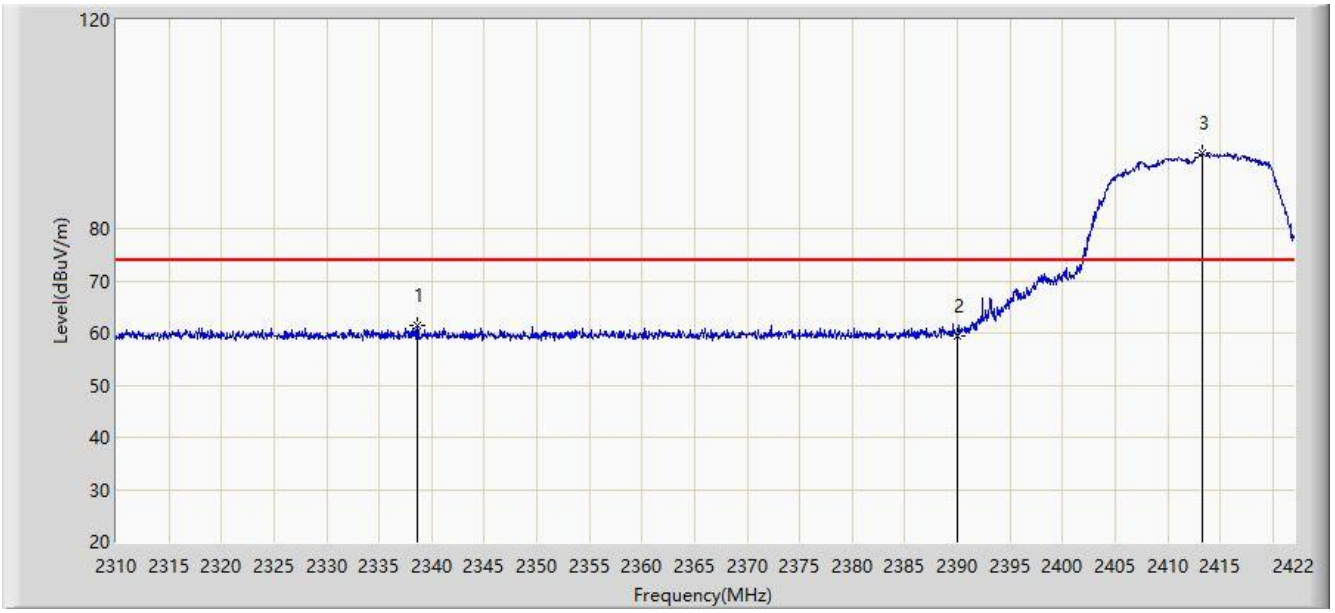


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.971	15.259	-6.029	54.000	32.712	AV
2		*	2412.872	85.084	52.355	N/A	N/A	32.729	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:22
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

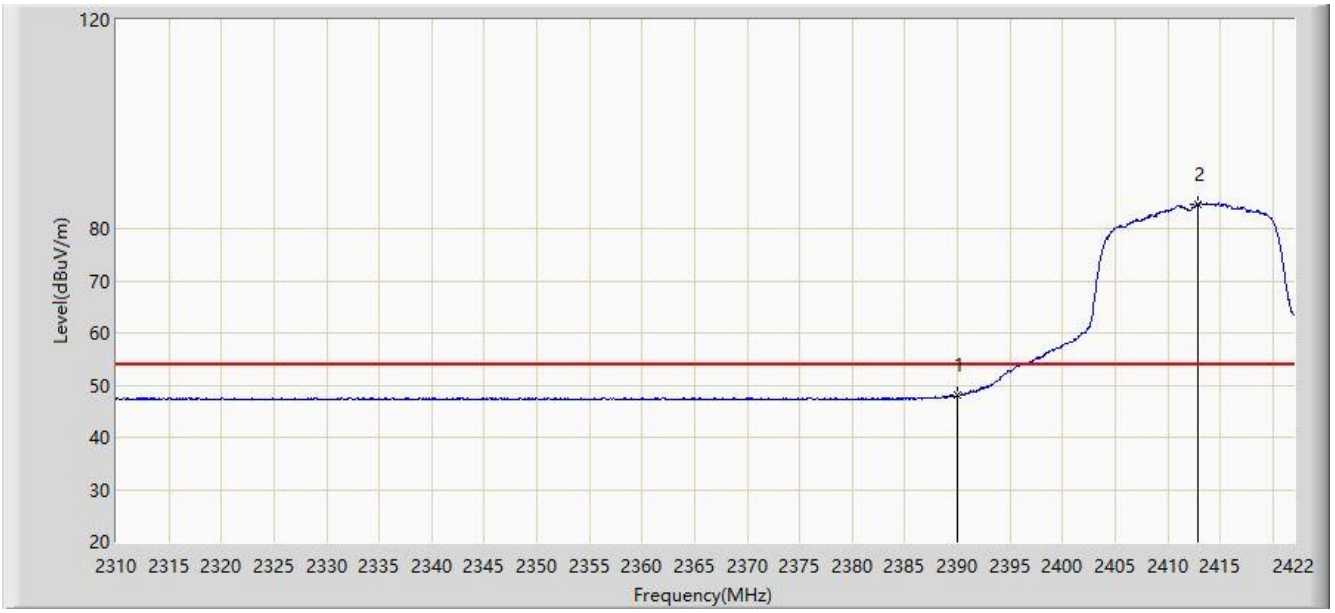


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.616	61.479	28.689	-12.521	74.000	32.790	PK
2			2390.000	59.373	26.661	-14.627	74.000	32.712	PK
3		*	2413.264	94.431	61.702	N/A	N/A	32.728	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:21
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz	

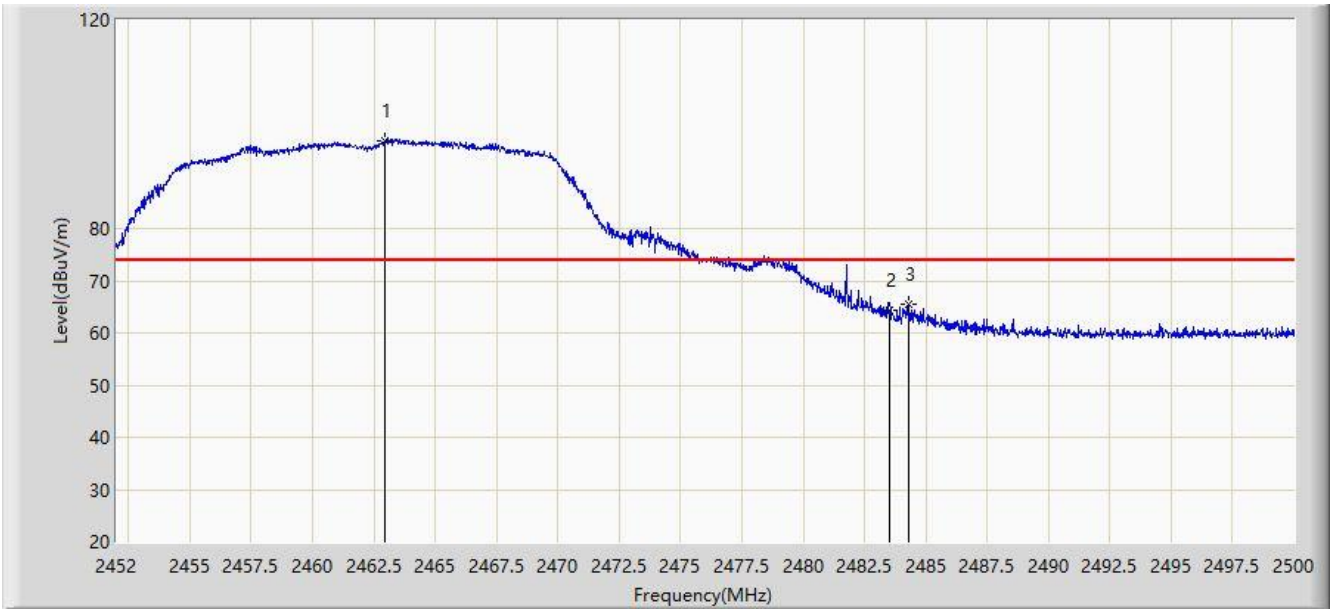


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	47.976	15.264	-6.024	54.000	32.712	AV
2		*	2412.816	84.753	52.024	N/A	N/A	32.729	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:24
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

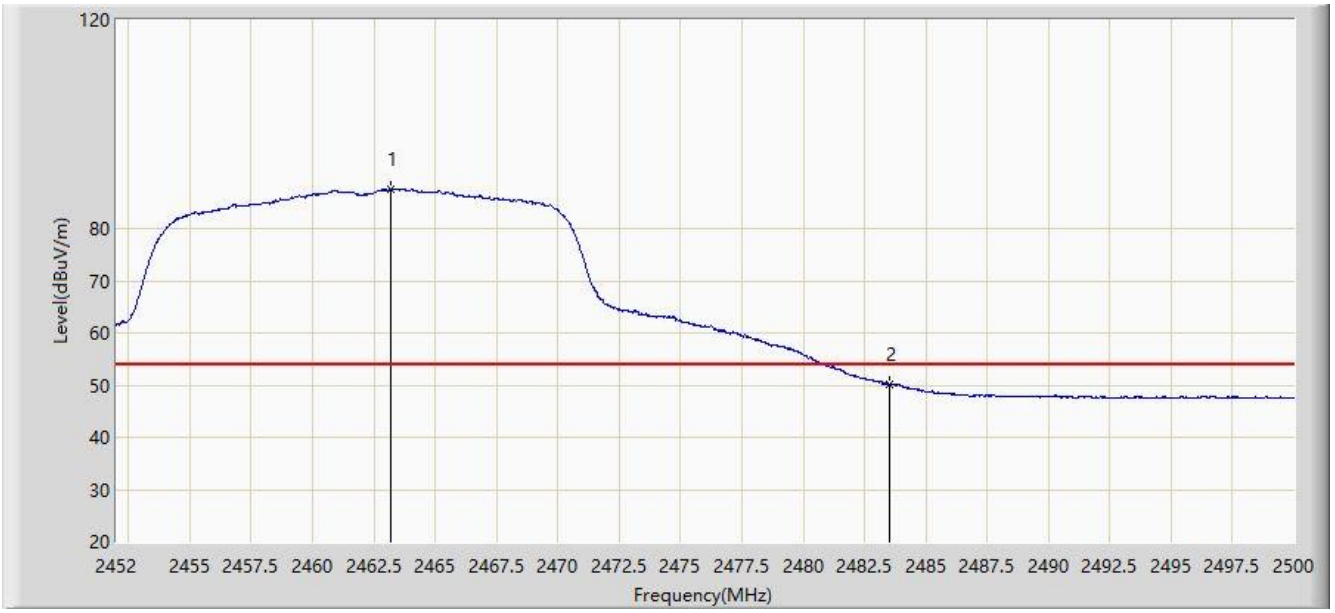


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.944	96.871	64.111	N/A	N/A	32.760	PK
2			2483.500	64.331	31.681	-9.669	74.000	32.651	PK
3			2484.280	65.429	32.785	-8.571	74.000	32.644	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:26
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

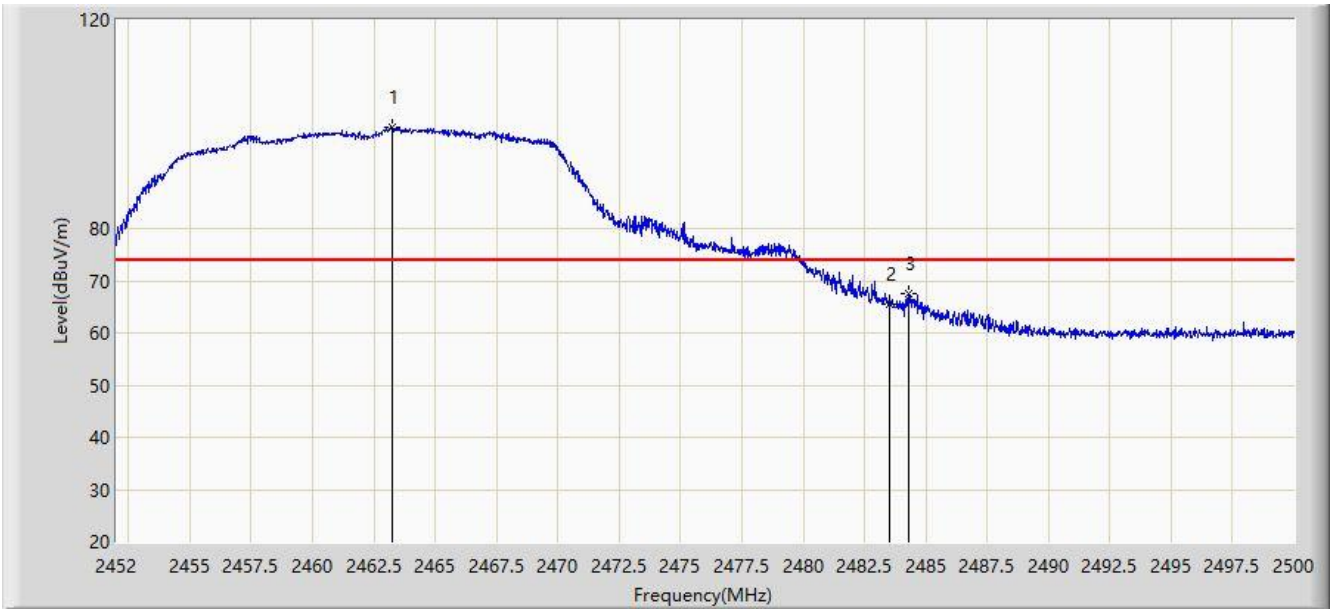


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.160	87.550	54.790	N/A	N/A	32.760	AV
2			2483.500	50.087	17.437	-3.913	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:29
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

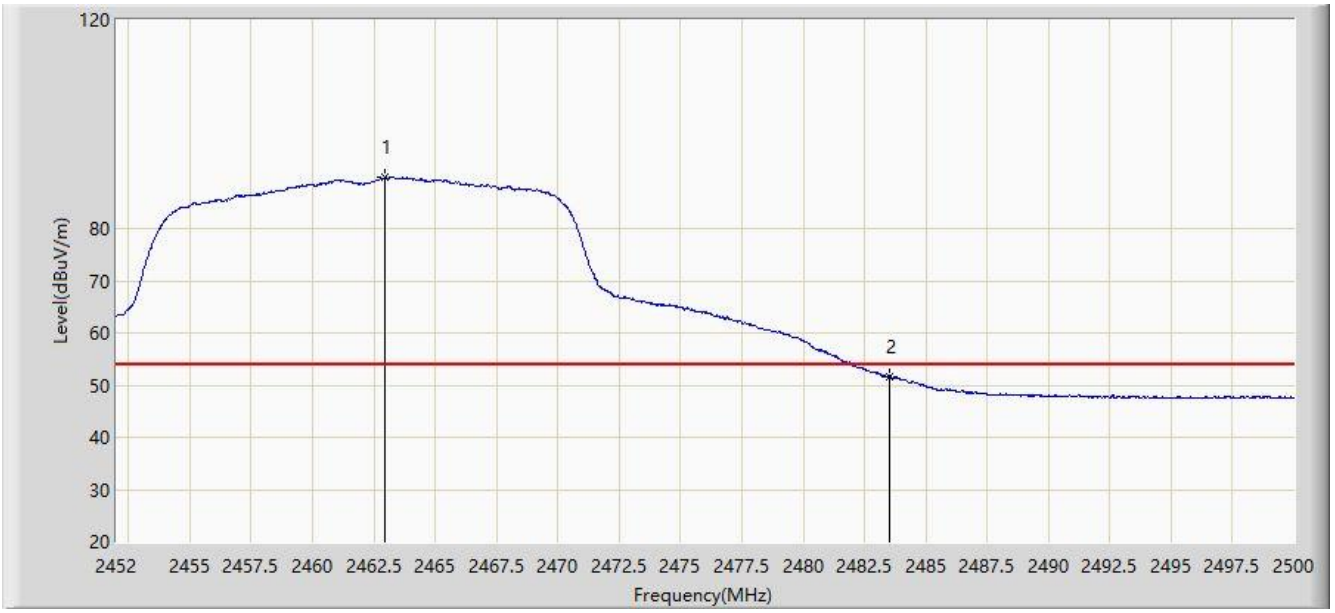


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.232	99.426	66.665	N/A	N/A	32.761	PK
2			2483.500	65.418	32.768	-8.582	74.000	32.651	PK
3			2484.328	67.500	34.857	-6.500	74.000	32.643	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:28
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz	

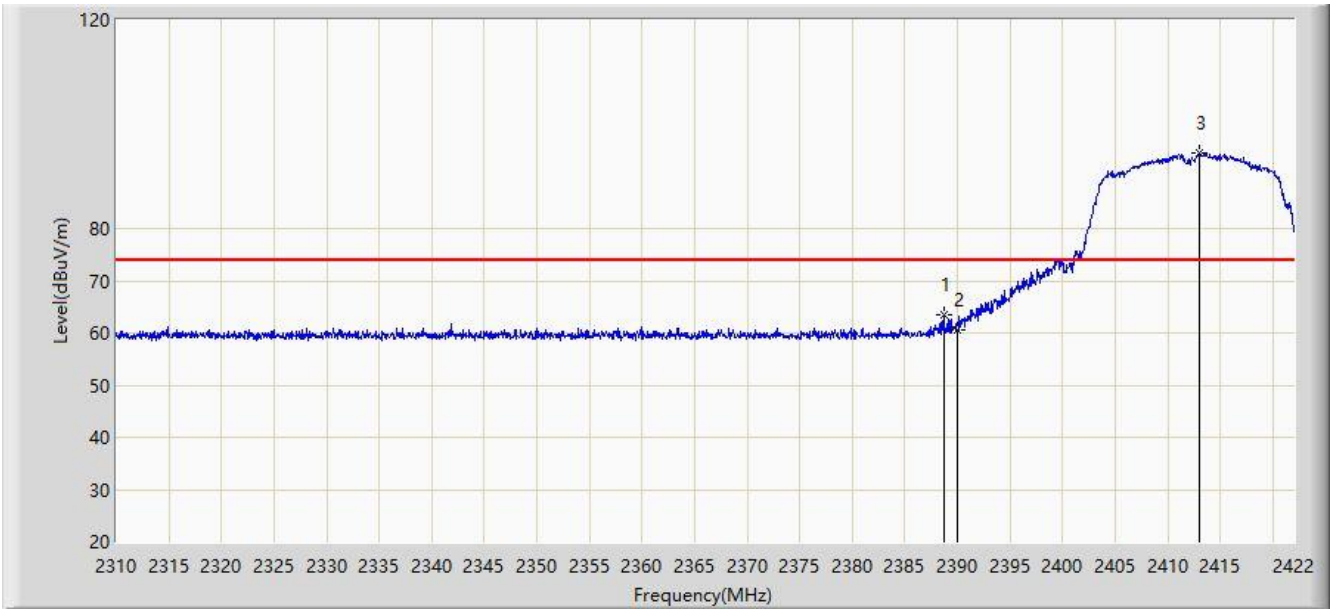


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.968	89.796	57.036	N/A	N/A	32.760	AV
2			2483.500	51.725	19.075	-2.275	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:32
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

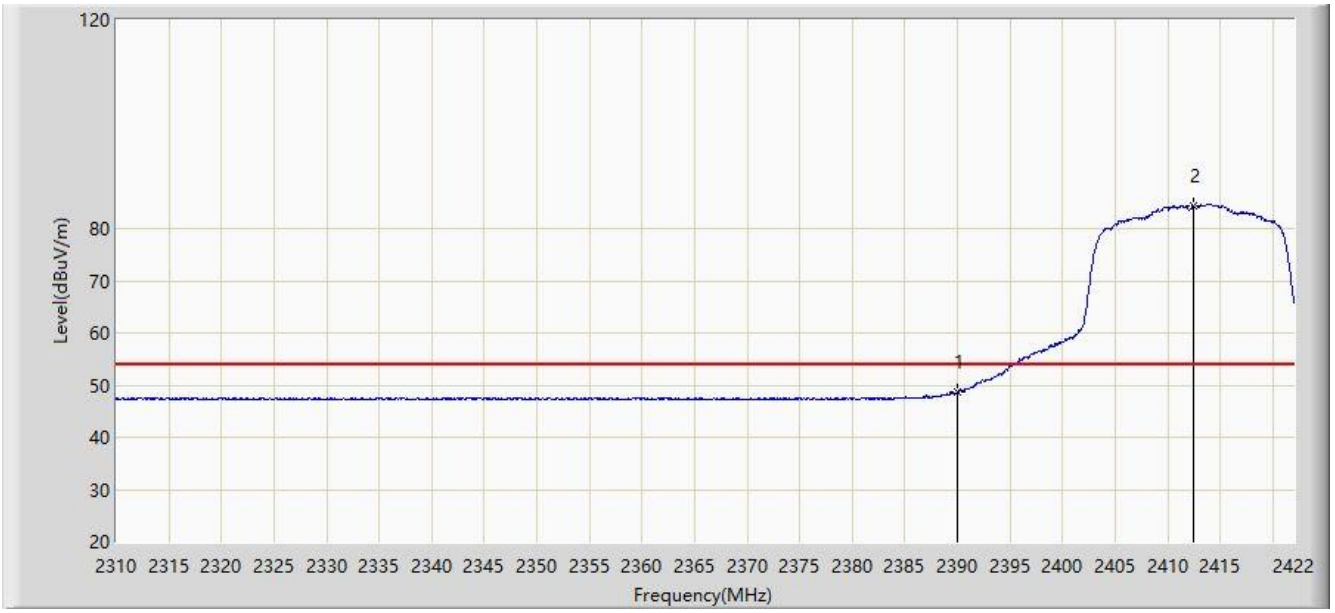


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.736	63.548	30.842	-10.452	74.000	32.706	PK
2			2390.000	60.478	27.766	-13.522	74.000	32.712	PK
3		*	2413.040	94.406	61.677	N/A	N/A	32.728	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:38
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

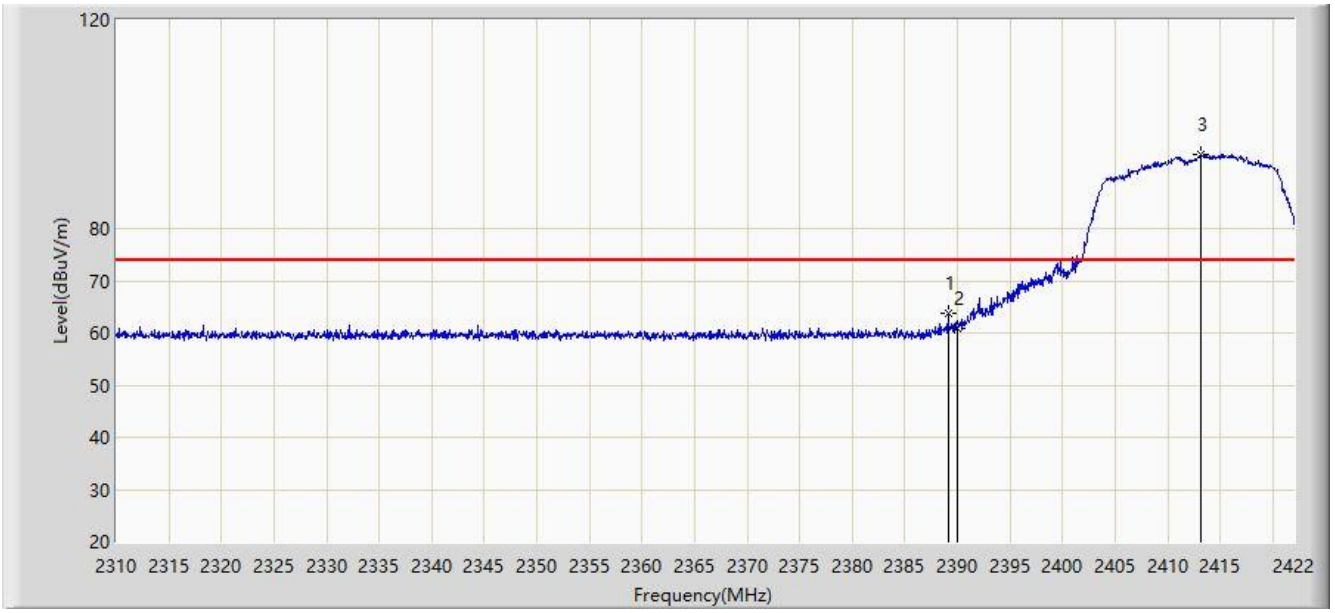


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.582	15.870	-5.418	54.000	32.712	AV
2		*	2412.480	84.484	51.755	N/A	N/A	32.729	AV

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

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

Site: AC1	Time: 2020/10/12 - 15:40
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

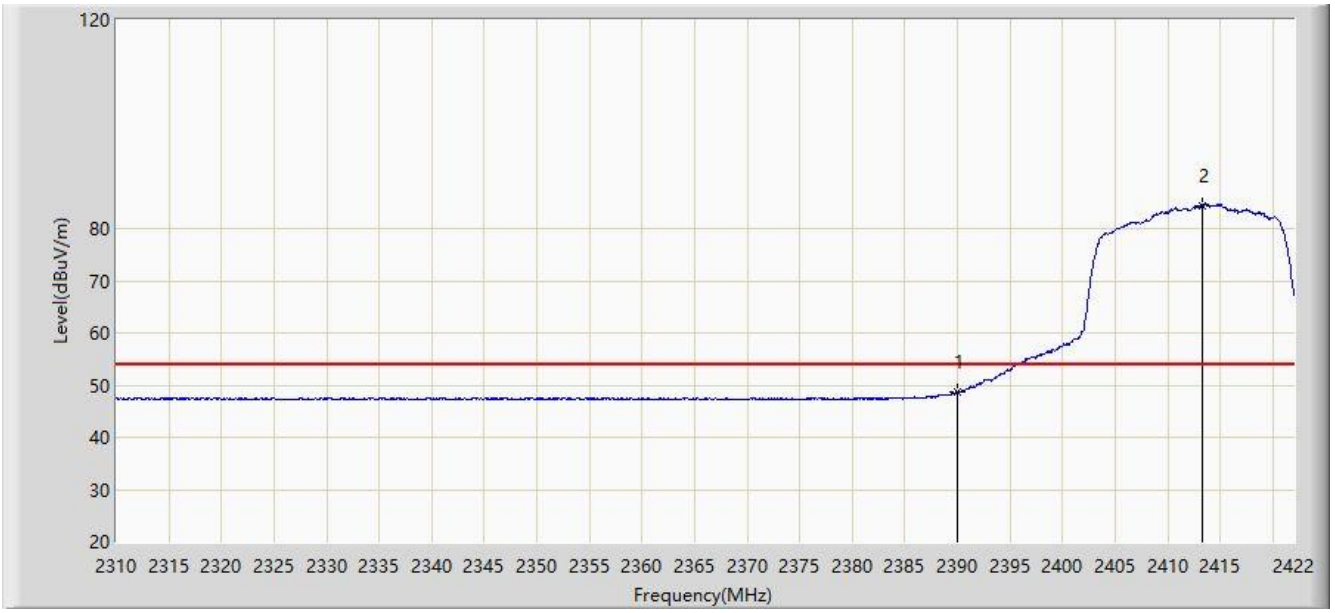


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.128	63.692	30.984	-10.308	74.000	32.708	PK
2			2390.000	61.002	28.290	-12.998	74.000	32.712	PK
3		*	2413.096	94.246	61.517	N/A	N/A	32.728	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:39
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz	

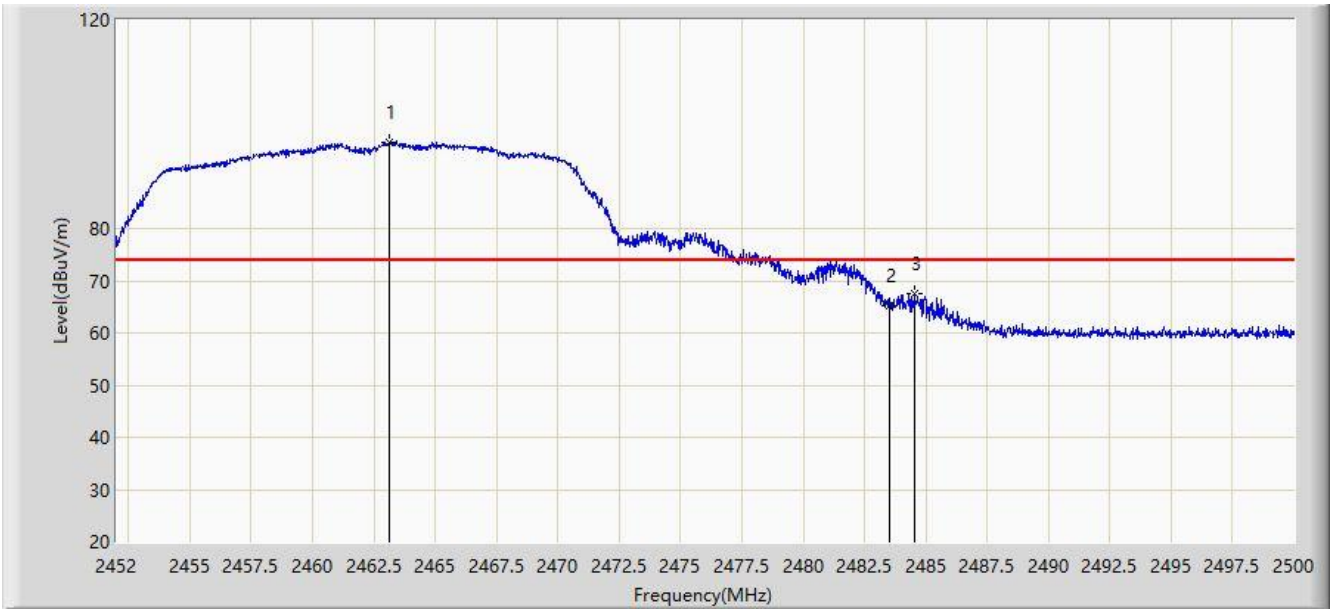


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	48.590	15.878	-5.410	54.000	32.712	AV
2		*	2413.264	84.442	51.713	N/A	N/A	32.728	AV

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

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

Site: AC1	Time: 2020/10/12 - 16:01
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

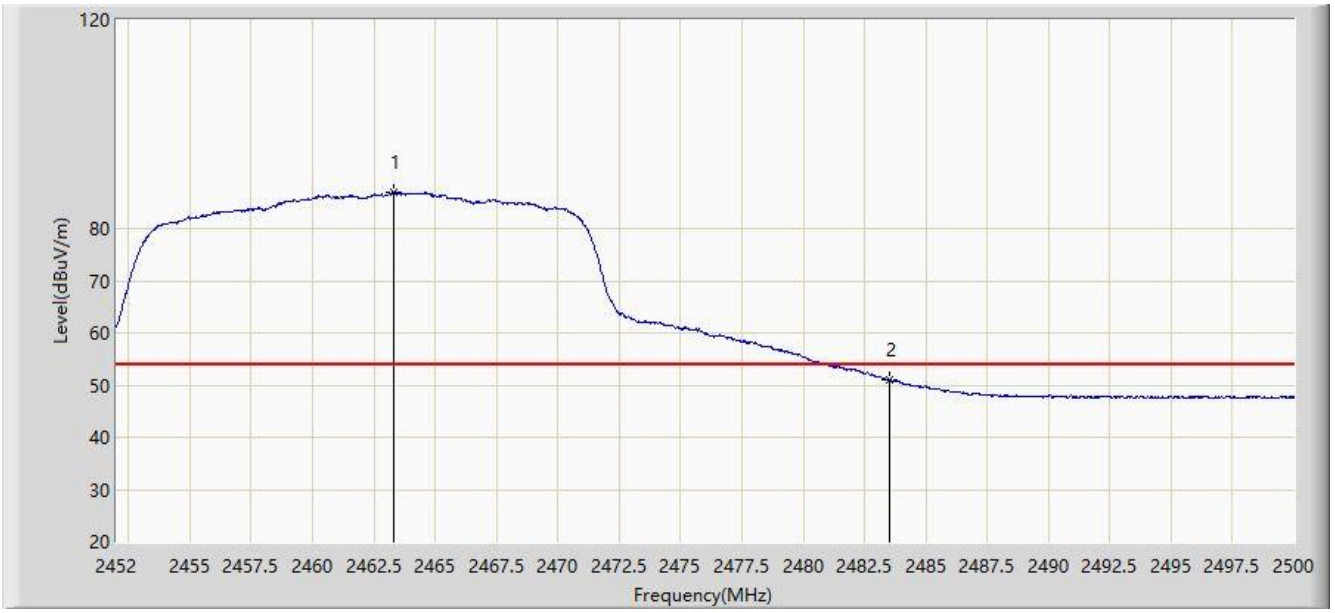


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.112	96.570	63.810	N/A	N/A	32.760	PK
2			2483.500	65.203	32.553	-8.797	74.000	32.651	PK
3			2484.520	67.667	35.026	-6.333	74.000	32.641	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:59
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

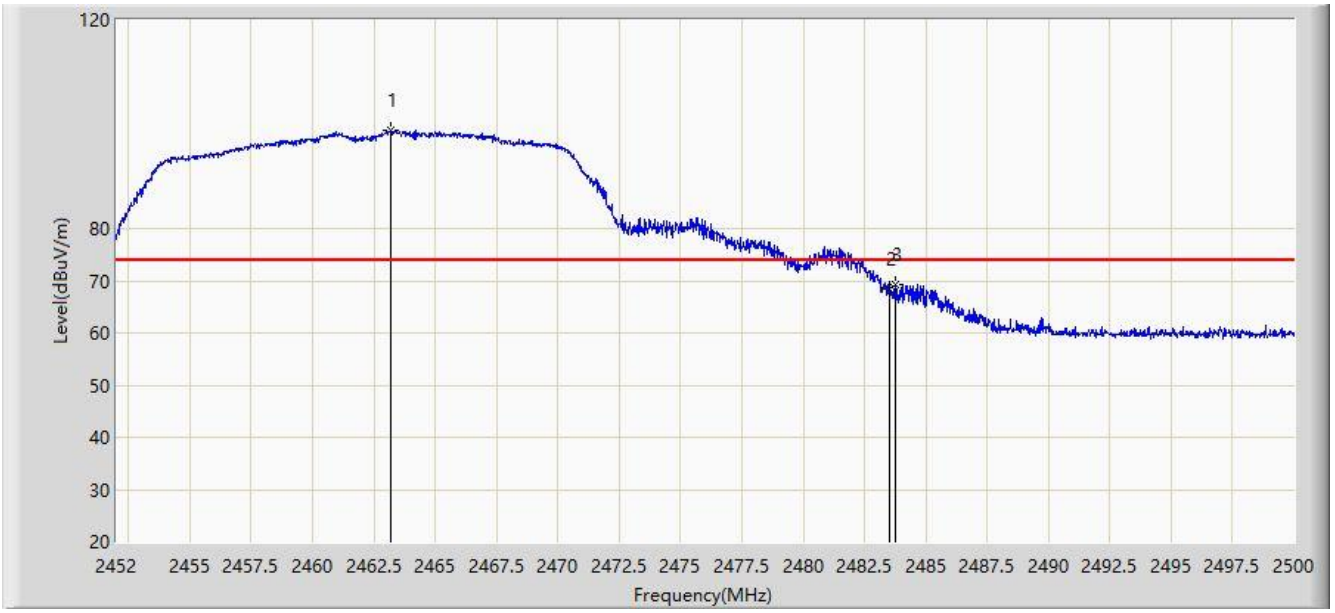


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.328	87.067	54.306	N/A	N/A	32.761	AV
2			2483.500	51.044	18.394	-2.956	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 16:02
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

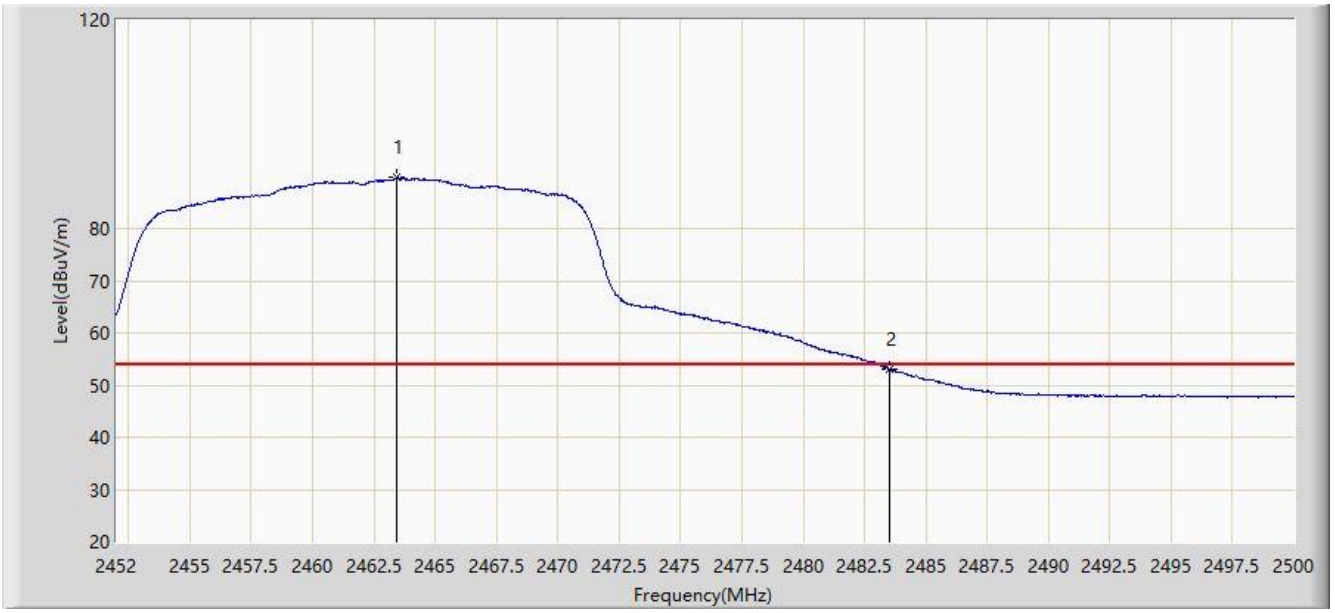


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.208	98.784	66.023	N/A	N/A	32.760	PK
2			2483.500	68.448	35.798	-5.552	74.000	32.651	PK
3			2483.776	69.391	36.743	-4.609	74.000	32.648	PK

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

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

Site: AC1	Time: 2020/10/12 - 15:56
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz	

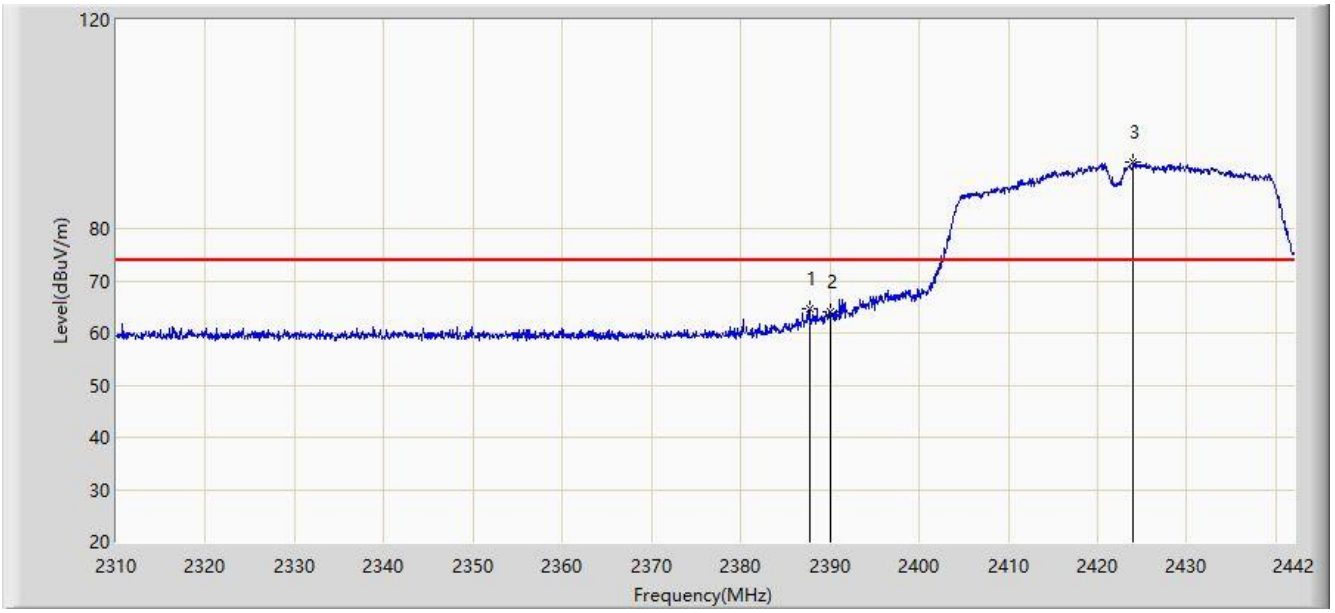


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.424	89.772	57.011	N/A	N/A	32.762	AV
2			2483.500	53.148	20.498	-0.852	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 16:07
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz	

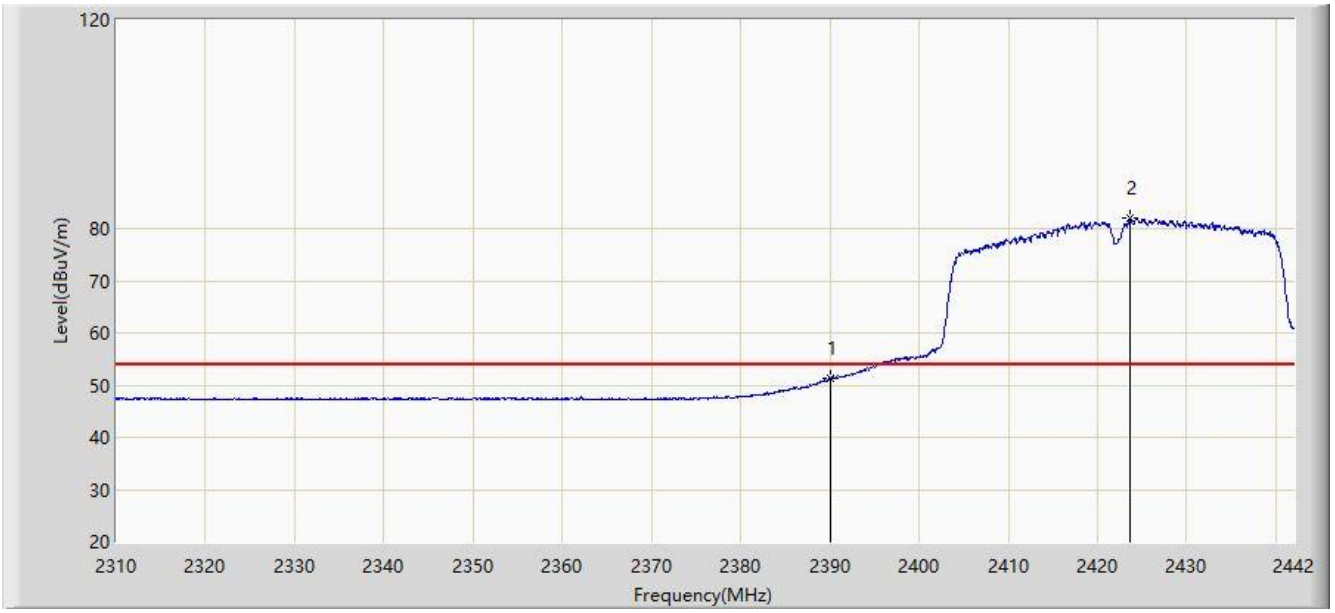


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2387.748	64.683	31.982	-9.317	74.000	32.701	PK
2			2390.000	64.033	31.321	-9.967	74.000	32.712	PK
3		*	2423.982	92.749	60.008	N/A	N/A	32.741	PK

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

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

Site: AC1	Time: 2020/10/12 - 16:10
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz	

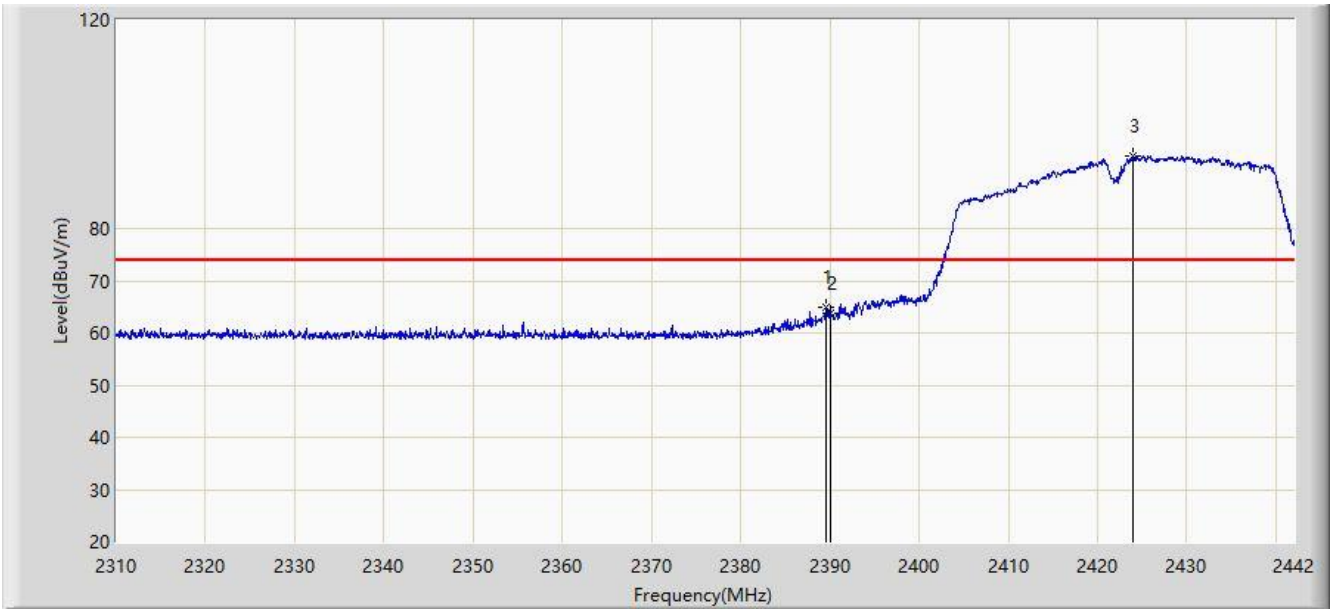


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.201	18.489	-2.799	54.000	32.712	AV
2		*	2423.652	81.978	49.238	N/A	N/A	32.740	AV

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

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

Site: AC1	Time: 2020/10/12 - 16:12
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz	

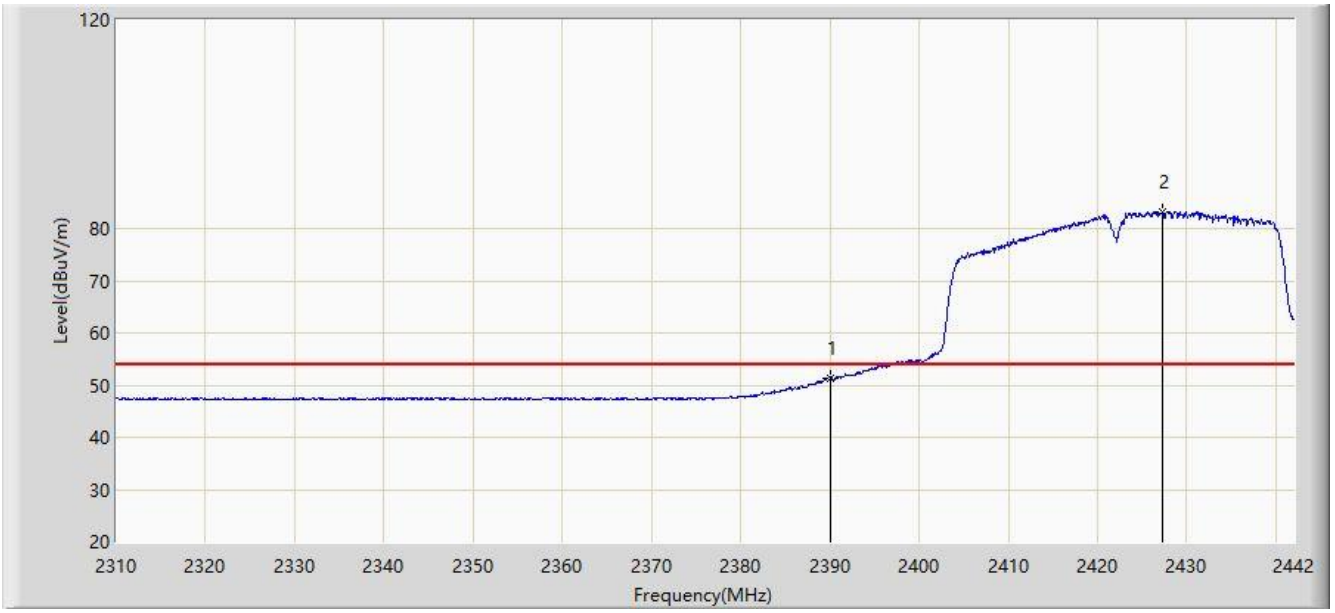


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.596	64.824	32.114	-9.176	74.000	32.710	PK
2			2390.000	63.909	31.197	-10.091	74.000	32.712	PK
3		*	2423.916	93.878	61.137	N/A	N/A	32.741	PK

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

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

Site: AC1	Time: 2020/10/12 - 16:11
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz	

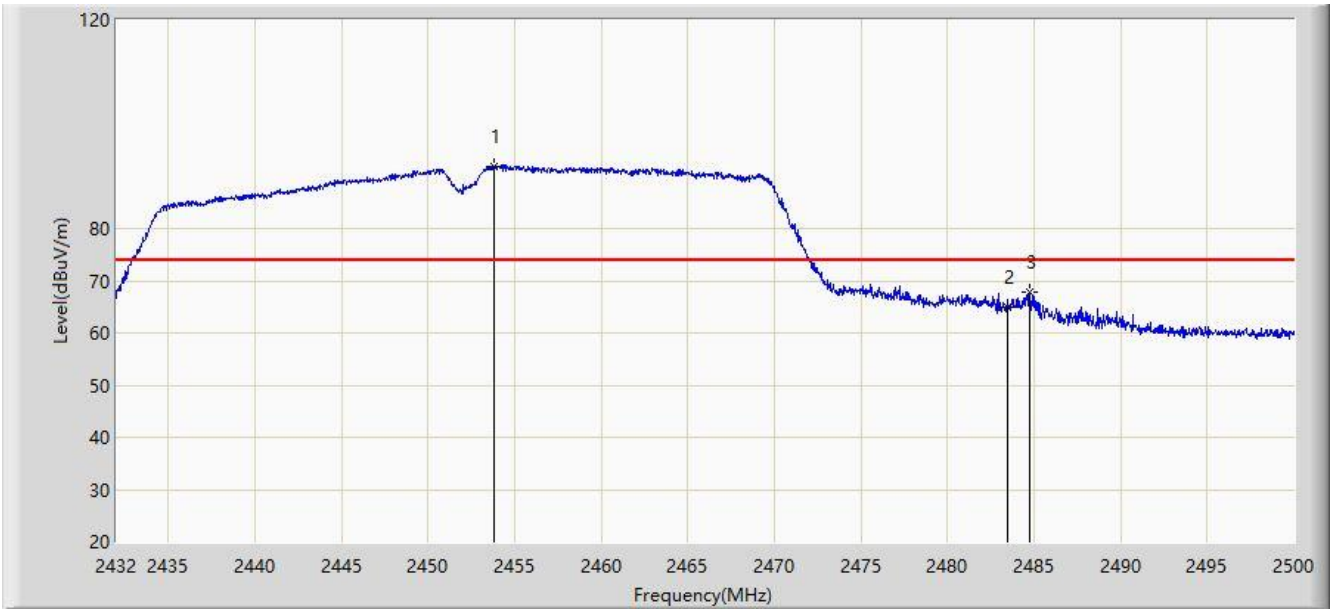


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.257	18.545	-2.743	54.000	32.712	AV
2		*	2427.216	83.289	50.542	N/A	N/A	32.747	AV

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

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

Site: AC1	Time: 2020/10/12 - 16:29
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

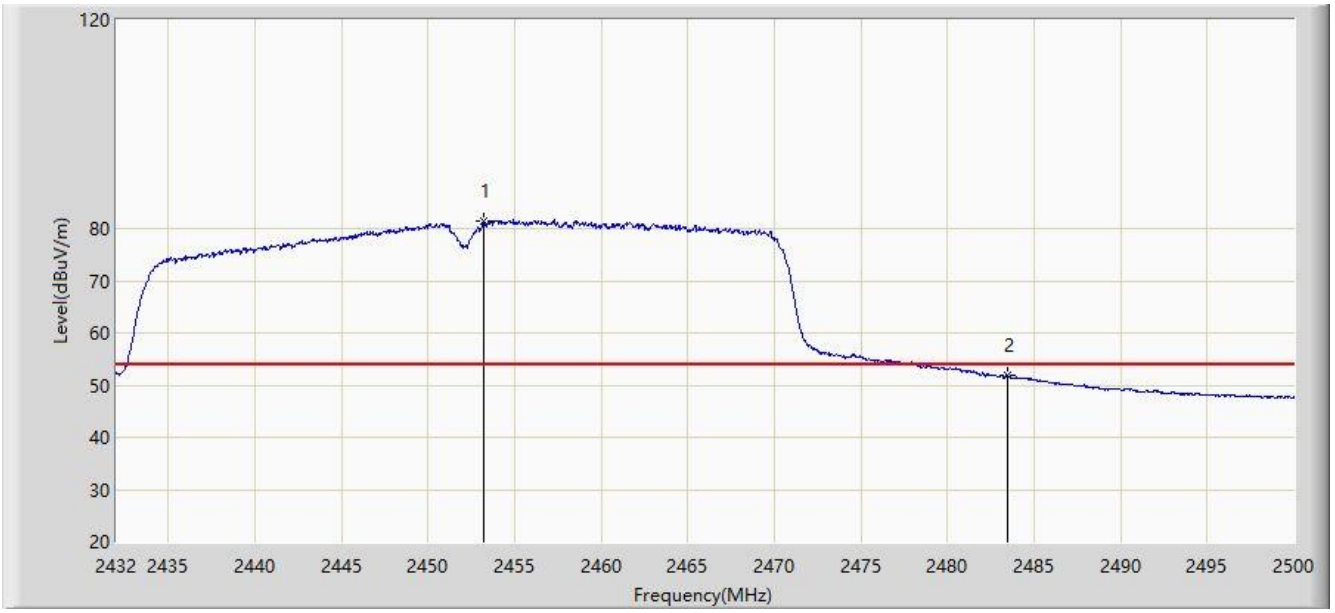


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.828	91.914	59.186	N/A	N/A	32.727	PK
2			2483.500	65.042	32.392	-8.958	74.000	32.651	PK
3			2484.768	67.683	35.044	-6.317	74.000	32.639	PK

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

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

Site: AC1	Time: 2020/10/12 - 16:27
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

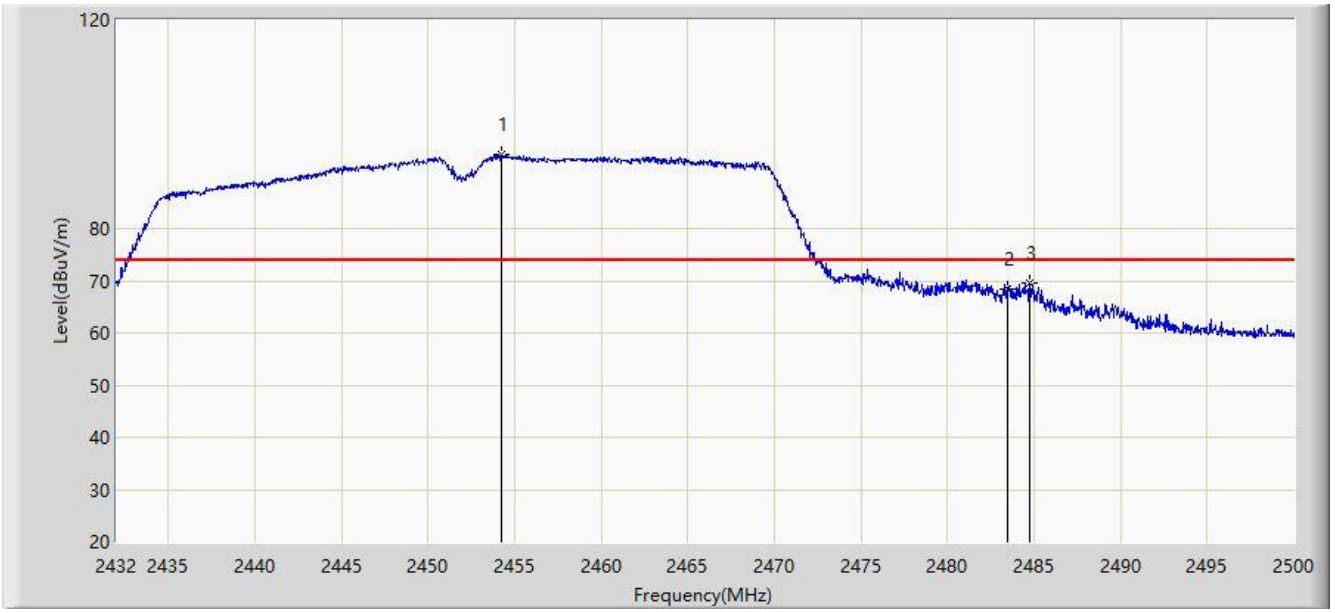


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.250	81.362	48.636	N/A	N/A	32.725	AV
2			2483.500	51.766	19.116	-2.234	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/10/12 - 16:30
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz	

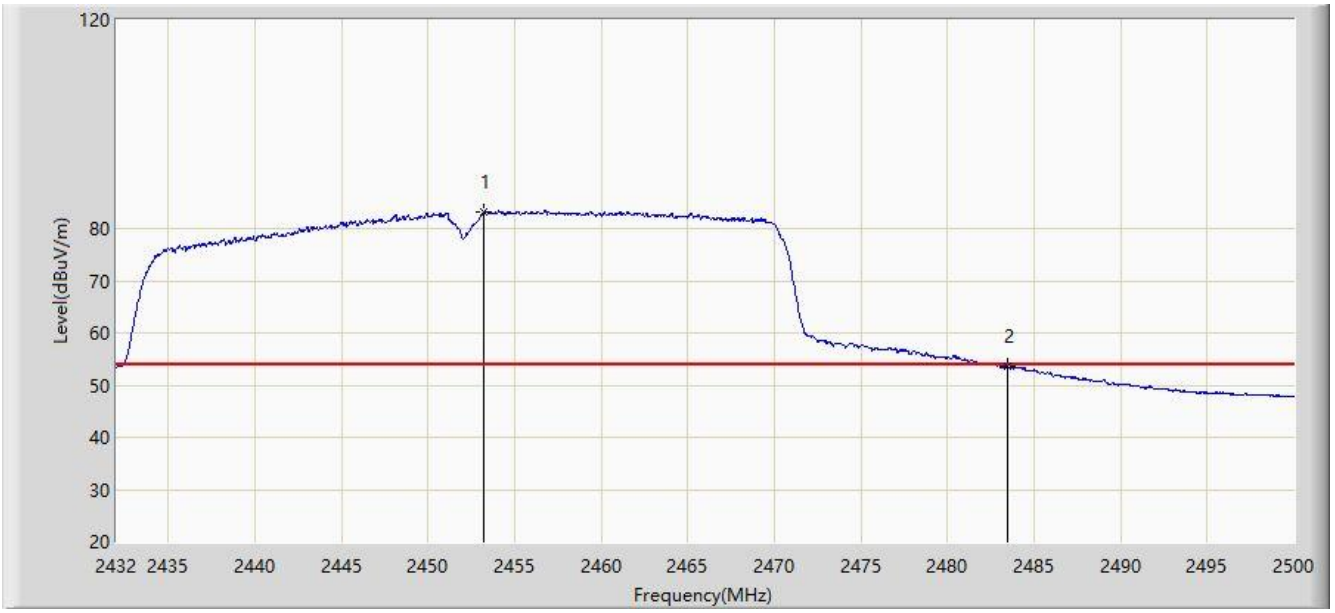


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2454.236	94.184	61.455	N/A	N/A	32.730	PK
2			2483.500	68.284	35.634	-5.716	74.000	32.651	PK
3			2484.734	69.433	36.793	-4.567	74.000	32.640	PK

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

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

Site: AC1	Time: 2020/10/12 - 16:24
Limit: FCC_Part15.209_RE (3m)	Engineer: Hyde Yu
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: 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 (dB)	Type
1		*	2453.216	83.223	50.498	N/A	N/A	32.726	AV
2			2483.500	53.595	20.945	-0.405	54.000	32.651	AV

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

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

6.8. AC Conducted Emissions Measurement

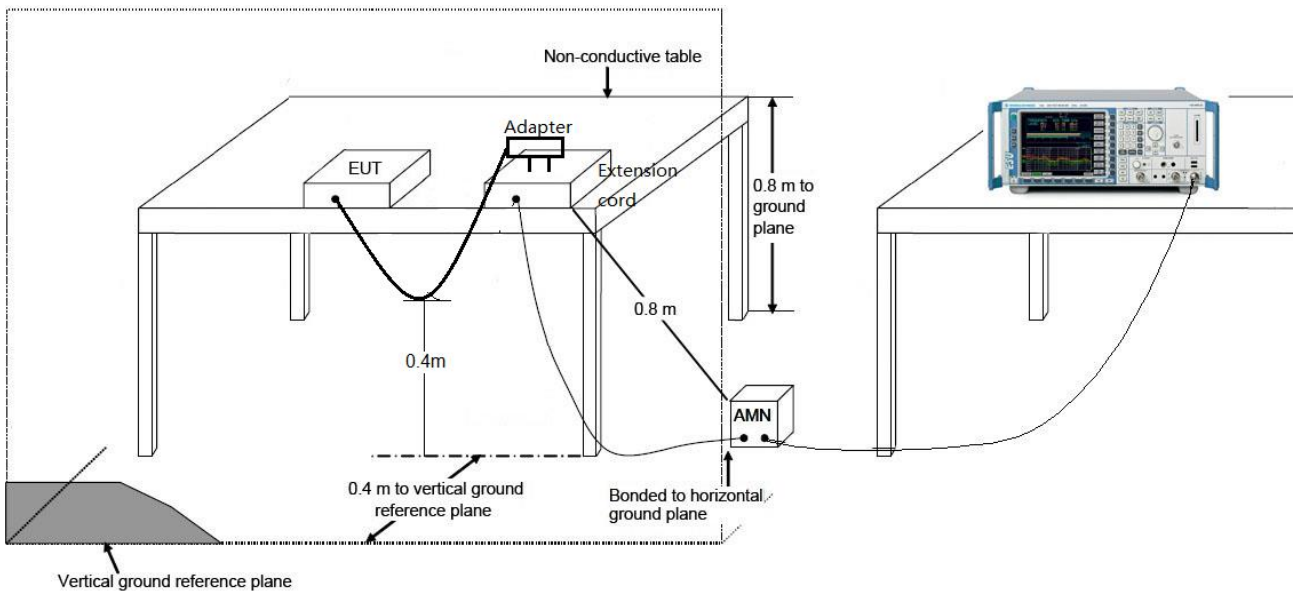
6.8.1.Test Limit

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.

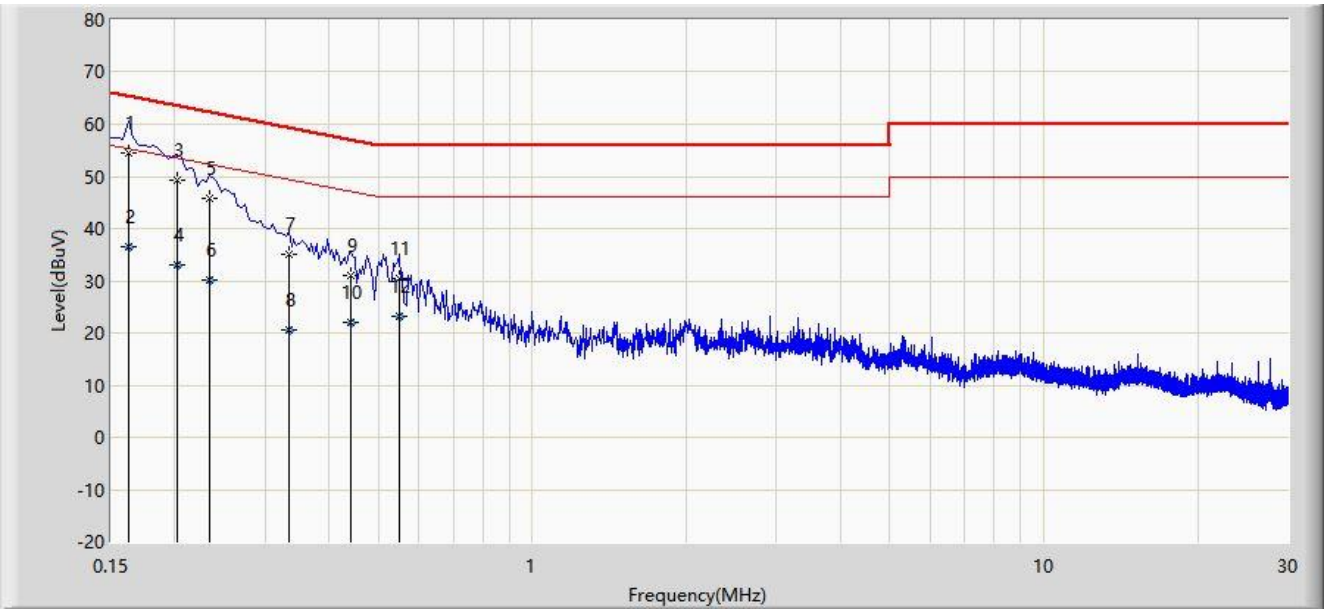
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.8.2.Test Setup



6.8.3.Test Result

Site: SR2	Time: 2020/10/28 - 18:18
Limit: FCC_Part15.207_CE_AC Power	Engineer: Dandy Li
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz	

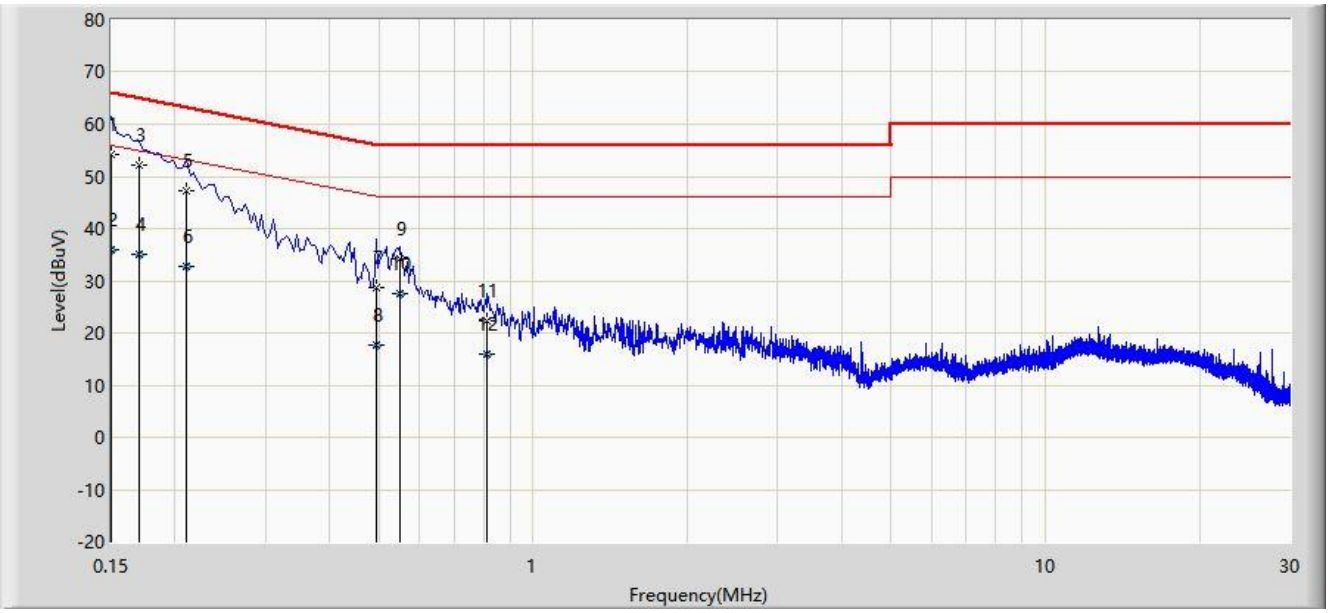


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor	Type
1		*	0.162	54.351	44.732	-11.010	65.361	9.619	QP
2			0.162	36.657	27.038	-18.704	55.361	9.619	AV
3			0.202	49.346	39.708	-14.182	63.528	9.638	QP
4			0.202	33.069	23.431	-20.459	53.528	9.638	AV
5			0.234	45.671	36.025	-16.636	62.307	9.646	QP
6			0.234	30.116	20.470	-22.191	52.307	9.646	AV
7			0.334	34.953	25.288	-24.398	59.351	9.665	QP
8			0.334	20.445	10.780	-28.906	49.351	9.665	AV
9			0.442	30.895	21.209	-26.129	57.024	9.685	QP
10			0.442	22.091	12.405	-24.933	47.024	9.685	AV
11			0.550	30.517	20.813	-25.483	56.000	9.703	QP
12			0.550	23.170	13.467	-22.830	46.000	9.703	AV

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

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

Site: SR2	Time: 2020/10/28 - 18:24
Limit: FCC_Part15.207_CE_AC Power	Engineer: Dandy Li
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: XMF-H	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor	Type
1		*	0.150	54.129	44.526	-11.871	66.000	9.603	QP
2			0.150	35.852	26.249	-20.148	56.000	9.603	AV
3			0.170	52.097	42.483	-12.863	64.960	9.613	QP
4			0.170	34.939	25.325	-20.022	54.960	9.613	AV
5			0.210	47.376	37.745	-15.830	63.205	9.631	QP
6			0.210	32.876	23.245	-20.329	53.205	9.631	AV
7			0.494	28.792	19.107	-27.308	56.100	9.685	QP
8			0.494	17.706	8.021	-28.394	46.100	9.685	AV
9			0.550	34.341	24.647	-21.659	56.000	9.693	QP
10			0.550	27.639	17.945	-18.361	46.000	9.693	AV
11			0.814	22.461	12.737	-33.539	56.000	9.725	QP
12			0.814	15.939	6.214	-30.061	46.000	9.725	AV

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

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

7. 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 “2009RSU077-UT” file.

Appendix B - EUT Photograph

Refer to “ 2009RSU077-UE” file.