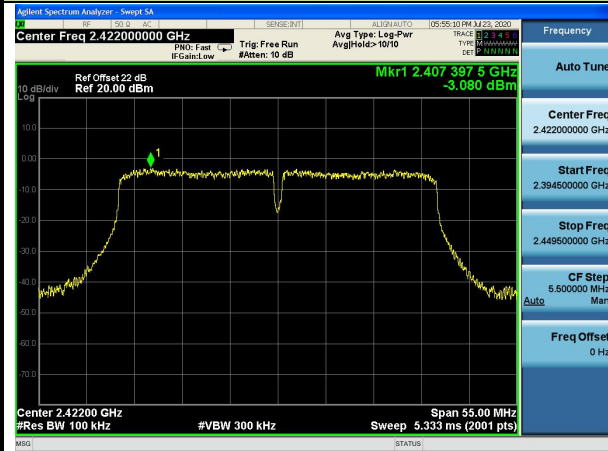




802.11n-HT40 Out-of-Band Emissions - Main Antenna

Channel 03 (2422MHz)

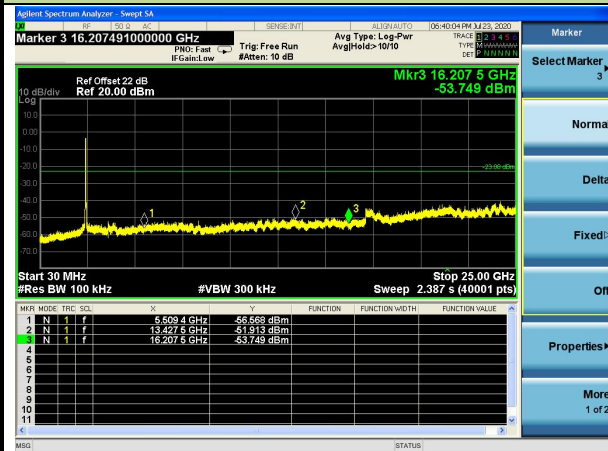
100kHz PSD reference Level



Low Band Edge



Spurious Emission

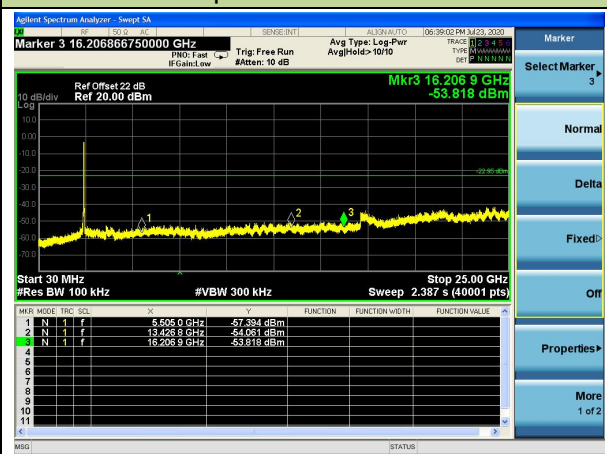


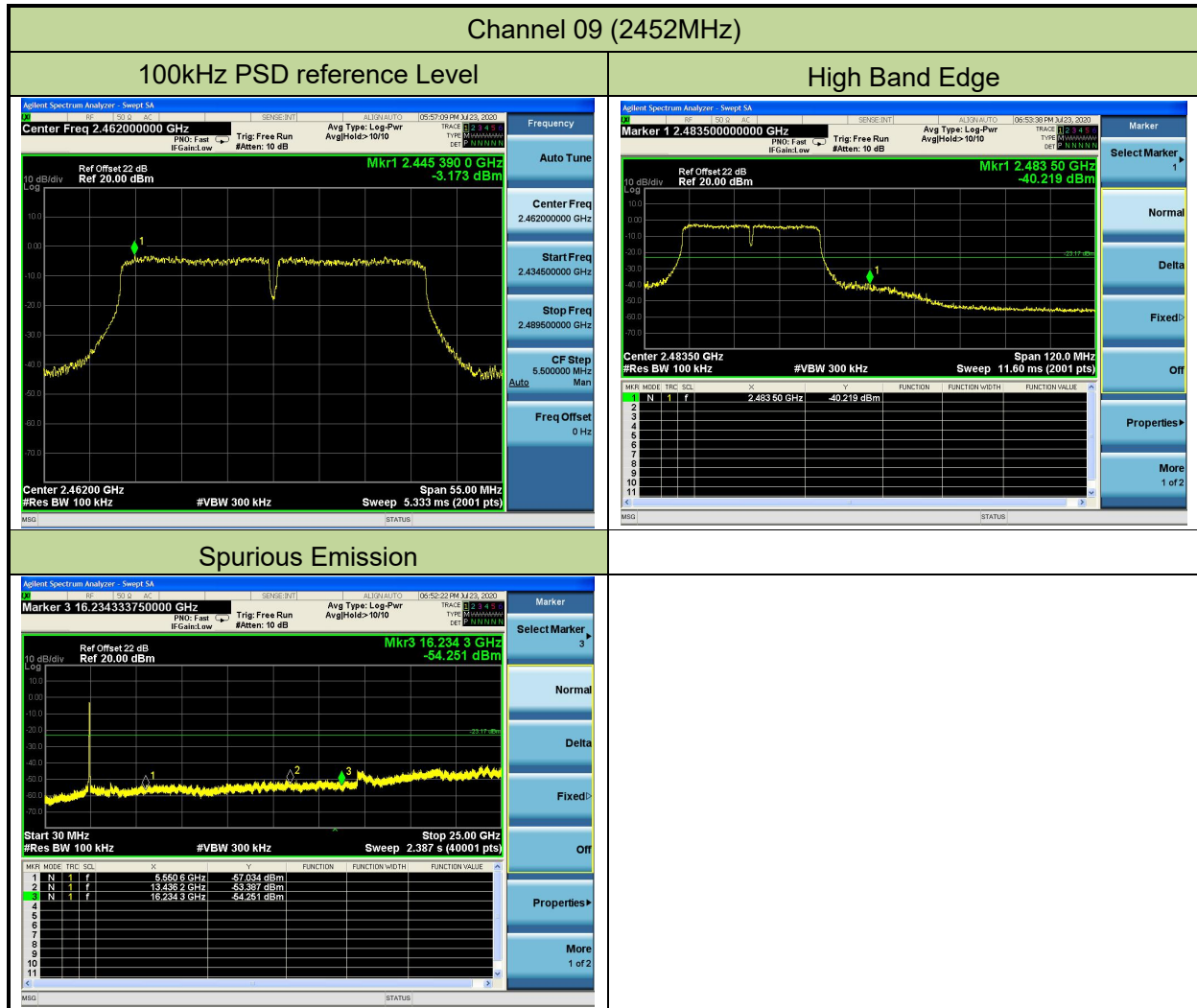
Channel 06 (2437MHz)

100kHz PSD reference Level



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		
Frequency [MHz]	Field Strength [V/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

ANSI C63.10-2013 Section 6.4

ANSI C63.10-2013 Section 6.5

ANSI C63.10-2013 Section 6.6

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

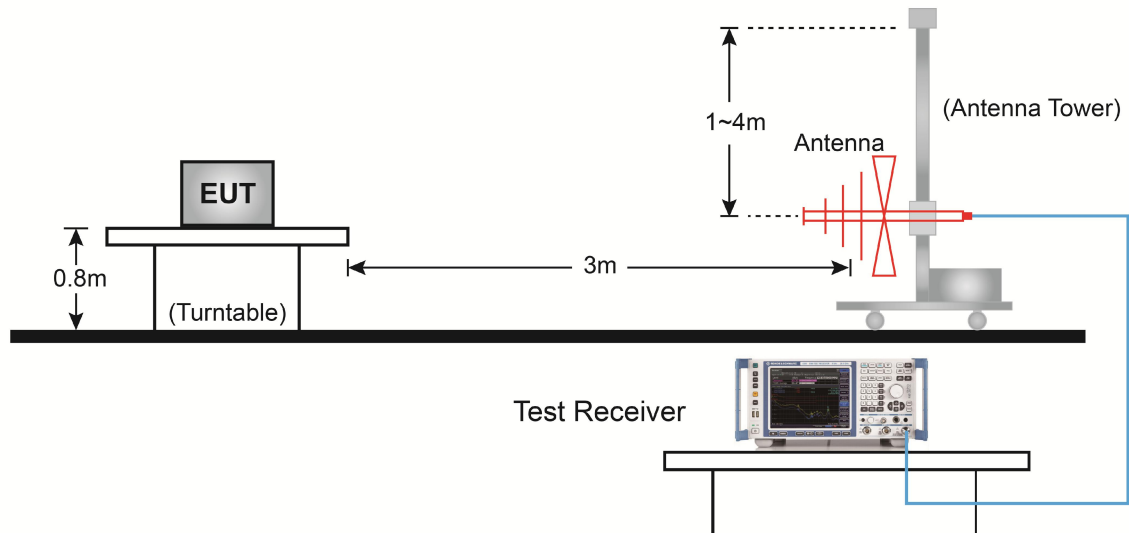
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz

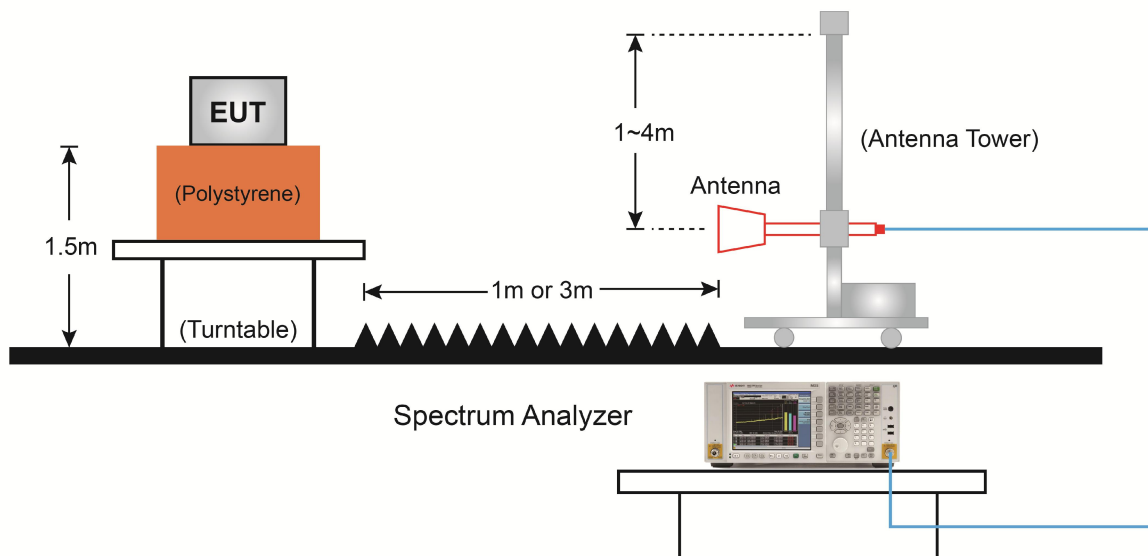
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set $\text{VBW} \geq 1/T$. T is the minimum transmission duration.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

6.6.4. Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



6.6.5. Test Result

Product	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11b - Main Antenna	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
	4578.5	36.7	5.1	41.8	74.0	-32.2	Peak	Horizontal
	5097.0	35.2	6.8	42.0	74.0	-32.0	Peak	Horizontal
*	6431.5	35.3	9.2	44.5	74.0	-29.5	Peak	Horizontal
*	7239.0	35.2	11.5	46.7	74.0	-27.3	Peak	Horizontal
	3728.5	47.6	2.5	50.1	74.0	-23.9	Peak	Vertical
	4663.5	43.4	5.4	48.8	74.0	-25.2	Peak	Vertical
*	6414.5	35.0	9.0	44.0	74.0	-30.0	Peak	Vertical
*	7987.0	34.6	12.4	47.0	74.0	-27.0	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11b - Main Antenna	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
	3754.0	37.6	2.6	40.2	74.0	-33.8	Peak	Horizontal
	4876.0	36.3	5.9	42.2	74.0	-31.8	Peak	Horizontal
*	6499.5	34.2	9.5	43.7	74.0	-30.3	Peak	Horizontal
*	9933.5	33.3	16.9	50.2	74.0	-23.8	Peak	Horizontal
	3728.5	43.9	2.5	46.4	74.0	-27.6	Peak	Vertical
	4663.5	41.4	5.4	46.8	74.0	-27.2	Peak	Vertical
*	5581.5	41.5	7.3	48.8	74.0	-25.2	Peak	Vertical
*	7876.5	34.2	12.1	46.3	74.0	-27.7	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11b - Main Antenna	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
	3728.5	40.1	2.5	42.6	74.0	-31.4	Peak	Horizontal
	4927.0	37.0	6.1	43.1	74.0	-30.9	Peak	Horizontal
*	6695.0	34.8	9.7	44.5	74.0	-29.5	Peak	Horizontal
*	7944.5	35.1	12.5	47.6	74.0	-26.4	Peak	Horizontal
	3720.0	46.8	2.5	49.3	74.0	-24.7	Peak	Vertical
	3992.0	40.4	3.4	43.8	74.0	-30.2	Peak	Vertical
*	5590.0	36.9	7.3	44.2	74.0	-29.8	Peak	Vertical
*	7995.5	35.5	12.5	48.0	74.0	-26.0	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11g - Main Antenna	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
	4136.5	36.9	3.6	40.5	74.0	-33.5	Peak	Horizontal
	4884.5	35.4	5.9	41.3	74.0	-32.7	Peak	Horizontal
*	6431.5	35.0	9.2	44.2	74.0	-29.8	Peak	Horizontal
*	8641.5	32.8	13.6	46.4	74.0	-27.6	Peak	Horizontal
	3728.5	42.2	2.5	44.7	74.0	-29.3	Peak	Vertical
	4663.5	40.3	5.4	45.7	74.0	-28.3	Peak	Vertical
*	5326.5	43.4	6.7	50.1	74.0	-23.9	Peak	Vertical
*	5590.0	37.2	7.3	44.5	74.0	-29.5	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11g - Main Antenna	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
	3992.0	36.9	3.4	40.3	74.0	-33.7	Peak	Horizontal
	4961.0	35.4	6.2	41.6	74.0	-32.4	Peak	Horizontal
*	6499.5	34.6	9.5	44.1	74.0	-29.9	Peak	Horizontal
*	8828.5	32.3	14.3	46.6	74.0	-27.4	Peak	Horizontal
	3728.5	46.3	2.5	48.8	74.0	-25.2	Peak	Vertical
	4000.5	39.9	3.3	43.2	74.0	-30.8	Peak	Vertical
*	5590.0	41.1	7.3	48.4	74.0	-25.6	Peak	Vertical
*	8633.0	33.3	13.5	46.8	74.0	-27.2	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11g - Main Antenna	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	37.0	6.1	43.1	74.0	-30.9	Peak	Horizontal
	7392.0	39.6	11.8	51.4	74.0	-22.6	Peak	Horizontal
*	10095.0	33.6	16.8	50.4	74.0	-23.6	Peak	Horizontal
*	12832.0	32.5	17.7	50.2	74.0	-23.8	Peak	Horizontal
	3728.5	43.8	2.5	46.3	74.0	-27.7	Peak	Vertical
	4655.0	38.4	5.4	43.8	74.0	-30.2	Peak	Vertical
*	5590.0	39.9	7.3	47.2	74.0	-26.8	Peak	Vertical
*	8743.5	33.5	14.1	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11n-HT20 - Main Antenna	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
	3728.5	40.2	2.5	42.7	74.0	-31.3	Peak	Horizontal
	4570.0	35.6	5.0	40.6	74.0	-33.4	Peak	Horizontal
*	6431.5	36.0	9.2	45.2	74.0	-28.8	Peak	Horizontal
*	8012.5	35.9	12.6	48.5	74.0	-25.5	Peak	Horizontal
	3728.5	41.9	2.5	44.4	74.0	-29.6	Peak	Vertical
	3992.0	40.1	3.4	43.5	74.0	-30.5	Peak	Vertical
*	7876.5	33.3	12.1	45.4	74.0	-28.6	Peak	Vertical
*	8794.5	33.0	14.2	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11n-HT20 - Main Antenna	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
	3728.5	38.2	2.5	40.7	74.0	-33.3	Peak	Horizontal
	4884.5	35.7	5.9	41.6	74.0	-32.4	Peak	Horizontal
*	7936.0	34.4	12.5	46.9	74.0	-27.1	Peak	Horizontal
*	8616.0	32.6	13.5	46.1	74.0	-27.9	Peak	Horizontal
	3737.0	45.7	2.6	48.3	74.0	-25.7	Peak	Vertical
	3992.0	39.4	3.4	42.8	74.0	-31.2	Peak	Vertical
*	5581.5	40.8	7.3	48.1	74.0	-25.9	Peak	Vertical
*	7927.5	34.8	12.4	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11n-HT20 - Main Antenna	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
	3728.5	39.6	2.5	42.1	74.0	-31.9	Peak	Horizontal
	4646.5	35.7	5.3	41.0	74.0	-33.0	Peak	Horizontal
*	5896.0	33.5	7.7	41.2	74.0	-32.8	Peak	Horizontal
*	8726.5	32.6	13.9	46.5	74.0	-27.5	Peak	Horizontal
	3728.5	44.5	2.5	47.0	74.0	-27.0	Peak	Vertical
	3992.0	40.8	3.4	44.2	74.0	-29.8	Peak	Vertical
*	5598.5	36.9	7.2	44.1	74.0	-29.9	Peak	Vertical
*	7978.5	35.4	12.4	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11n-HT40 - Main Antenna	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
	4213.0	36.2	3.7	39.9	74.0	-34.1	Peak	Horizontal
	4570.0	36.4	5.0	41.4	74.0	-32.6	Peak	Horizontal
*	7128.5	34.4	11.3	45.7	74.0	-28.3	Peak	Horizontal
*	8633.0	33.8	13.5	47.3	74.0	-26.7	Peak	Horizontal
	3728.5	42.5	2.5	45.0	74.0	-29.0	Peak	Vertical
	3992.0	41.2	3.4	44.6	74.0	-29.4	Peak	Vertical
*	5598.5	37.8	7.2	45.0	74.0	-29.0	Peak	Vertical
*	7927.5	35.2	12.4	47.6	74.0	-26.4	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11n-HT40 - Main Antenna	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
	3728.5	36.4	2.5	38.9	74.0	-35.1	Peak	Horizontal
	4782.5	35.1	5.7	40.8	74.0	-33.2	Peak	Horizontal
*	5590.0	35.1	7.3	42.4	74.0	-31.6	Peak	Horizontal
*	8845.5	32.7	14.3	47.0	74.0	-27.0	Peak	Horizontal
	4000.5	38.1	3.3	41.4	74.0	-32.6	Peak	Vertical
	4655.0	37.1	5.4	42.5	74.0	-31.5	Peak	Vertical
*	5598.5	37.0	7.2	44.2	74.0	-29.8	Peak	Vertical
*	7936.0	34.6	12.5	47.1	74.0	-26.9	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/07/26
Test Mode:	802.11n-HT40 - Main Antenna	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
	3788.0	36.4	2.7	39.1	74.0	-34.9	Peak	Horizontal
	4604.0	35.5	5.0	40.5	74.0	-33.5	Peak	Horizontal
*	6338.0	34.4	8.8	43.2	74.0	-30.8	Peak	Horizontal
*	8854.0	30.9	14.4	45.3	74.0	-28.7	Peak	Horizontal
	3728.5	46.4	2.5	48.9	74.0	-25.1	Peak	Vertical
	3992.0	39.0	3.4	42.4	74.0	-31.6	Peak	Vertical
*	5581.5	41.1	7.3	48.4	74.0	-25.6	Peak	Vertical
*	7995.5	35.9	12.5	48.4	74.0	-25.6	Peak	Vertical

Note 1: "*" means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11b - Aux Antenna	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	40.1	5.8	45.9	74.0	-28.1	Peak	Horizontal
*	7230.5	37.6	10.5	48.1	74.0	-25.9	Peak	Horizontal
	8327.0	36.1	10.9	47.0	74.0	-27.0	Peak	Horizontal
*	10095.0	35.4	14.9	50.3	74.0	-23.7	Peak	Horizontal
	4825.0	38.3	5.8	44.1	74.0	-29.9	Peak	Vertical
*	6661.0	41.2	8.6	49.8	74.0	-24.2	Peak	Vertical
	8259.0	35.5	11.5	47.0	74.0	-27.0	Peak	Vertical
*	10307.5	34.9	15.6	50.5	74.0	-23.5	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11b - Aux Antenna	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	35.6	5.5	41.1	74.0	-32.9	Peak	Horizontal
*	6465.5	35.6	8.0	43.6	74.0	-30.4	Peak	Horizontal
	7307.0	38.5	10.6	49.1	74.0	-24.9	Peak	Horizontal
*	10265.0	34.6	15.7	50.3	74.0	-23.7	Peak	Horizontal
	4663.5	40.4	5.2	45.6	74.0	-28.4	Peak	Vertical
*	6525.0	42.1	8.5	50.6	74.0	-23.4	Peak	Vertical
	7519.5	35.7	10.9	46.6	74.0	-27.4	Peak	Vertical
*	10222.5	35.2	15.5	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11b - Aux Antenna	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
	4578.5	35.5	5.3	40.8	74.0	-33.2	Peak	Horizontal
*	5318.0	40.1	6.1	46.2	74.0	-27.8	Peak	Horizontal
	7383.5	38.4	10.8	49.2	74.0	-24.8	Peak	Horizontal
*	9823.0	34.3	15.3	49.6	74.0	-24.4	Peak	Horizontal
	4663.5	38.1	5.2	43.3	74.0	-30.7	Peak	Vertical
*	5998.0	39.2	7.1	46.3	74.0	-27.7	Peak	Vertical
	7460.0	37.3	11.0	48.3	74.0	-25.7	Peak	Vertical
*	9840.0	33.6	15.4	49.0	74.0	-25.0	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11g - Aux Antenna	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	35.2	5.8	41.0	74.0	-33.0	Peak	Horizontal
*	7239.0	37.9	10.5	48.4	74.0	-25.6	Peak	Horizontal
	8097.5	35.7	11.9	47.6	74.0	-26.4	Peak	Horizontal
*	10222.5	35.9	15.5	51.4	74.0	-22.6	Peak	Horizontal
	4663.5	42.9	5.2	48.1	74.0	-25.9	Peak	Vertical
*	5998.0	38.3	7.1	45.4	74.0	-28.6	Peak	Vertical
	7460.0	37.8	11.0	48.8	74.0	-25.2	Peak	Vertical
*	10154.5	34.3	15.3	49.6	74.0	-24.4	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11g - Aux Antenna	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
	4867.5	35.0	5.6	40.6	74.0	-33.4	Peak	Horizontal
*	5318.0	39.9	6.1	46.0	74.0	-28.0	Peak	Horizontal
	7307.0	38.1	10.6	48.7	74.0	-25.3	Peak	Horizontal
*	9831.5	34.2	15.4	49.6	74.0	-24.4	Peak	Horizontal
	4655.0	38.2	5.5	43.7	74.0	-30.3	Peak	Vertical
*	5998.0	39.1	7.1	46.2	74.0	-27.8	Peak	Vertical
	7468.5	35.2	10.9	46.1	74.0	-27.9	Peak	Vertical
*	10239.5	34.7	15.7	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11g - Aux Antenna	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
	4587.0	35.4	5.2	40.6	74.0	-33.4	Peak	Horizontal
*	5326.5	40.0	6.3	46.3	74.0	-27.7	Peak	Horizontal
	7375.0	39.0	10.8	49.8	74.0	-24.2	Peak	Horizontal
*	10086.5	34.9	14.9	49.8	74.0	-24.2	Peak	Horizontal
	4655.0	41.0	5.5	46.5	74.0	-27.5	Peak	Vertical
*	6661.0	41.3	8.6	49.9	74.0	-24.1	Peak	Vertical
	7460.0	38.1	11.0	49.1	74.0	-24.9	Peak	Vertical
*	9857.0	34.3	15.4	49.7	74.0	-24.3	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11n-HT20 - Aux Antenna	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
	4910.0	35.9	5.8	41.7	74.0	-32.3	Peak	Horizontal
*	7239.0	36.6	10.5	47.1	74.0	-26.9	Peak	Horizontal
	8216.5	35.5	11.4	46.9	74.0	-27.1	Peak	Horizontal
*	9823.0	35.6	15.3	50.9	74.0	-23.1	Peak	Horizontal
	4655.0	38.6	5.5	44.1	74.0	-29.9	Peak	Vertical
*	5998.0	39.2	7.1	46.3	74.0	-27.7	Peak	Vertical
	7451.5	37.4	11.0	48.4	74.0	-25.6	Peak	Vertical
*	8004.0	39.4	11.3	50.7	74.0	-23.3	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11n-HT20 - Aux Antenna	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
	4689.0	35.5	5.1	40.6	74.0	-33.4	Peak	Horizontal
*	5318.0	40.2	6.1	46.3	74.0	-27.7	Peak	Horizontal
	7324.0	37.2	10.6	47.8	74.0	-26.2	Peak	Horizontal
*	9942.0	36.0	15.0	51.0	74.0	-23.0	Peak	Horizontal
	4655.0	40.4	5.5	45.9	74.0	-28.1	Peak	Vertical
*	5998.0	39.6	7.1	46.7	74.0	-27.3	Peak	Vertical
	7443.0	35.8	11.0	46.8	74.0	-27.2	Peak	Vertical
*	10120.5	34.5	15.6	50.1	74.0	-23.9	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11n-HT20 - Aux Antenna	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
	5080.0	35.8	6.3	42.1	74.0	-31.9	Peak	Horizontal
*	6406.0	35.4	7.9	43.3	74.0	-30.7	Peak	Horizontal
	7375.0	38.2	10.8	49.0	74.0	-25.0	Peak	Horizontal
*	10248.0	34.5	15.5	50.0	74.0	-24.0	Peak	Horizontal
	4000.5	41.7	3.4	45.1	74.0	-28.9	Peak	Vertical
*	5998.0	39.2	7.1	46.3	74.0	-27.7	Peak	Vertical
	7443.0	36.2	11.0	47.2	74.0	-26.8	Peak	Vertical
*	10154.5	35.1	15.3	50.4	74.0	-23.6	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11n-HT40 - Aux Antenna	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
	4842.0	34.6	5.9	40.5	74.0	-33.5	Peak	Horizontal
*	5326.5	38.1	6.3	44.4	74.0	-29.6	Peak	Horizontal
	7570.5	35.4	10.8	46.2	74.0	-27.8	Peak	Horizontal
*	10273.5	35.1	15.8	50.9	74.0	-23.1	Peak	Horizontal
	4655.0	44.1	5.5	49.6	74.0	-24.4	Peak	Vertical
*	6652.5	39.0	8.5	47.5	74.0	-26.5	Peak	Vertical
	8165.5	35.2	11.5	46.7	74.0	-27.3	Peak	Vertical
*	9874.0	33.7	15.6	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11n-HT40 - Aux Antenna	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
	4663.5	36.2	5.2	41.4	74.0	-32.6	Peak	Horizontal
*	5998.0	36.7	7.1	43.8	74.0	-30.2	Peak	Horizontal
	8106.0	37.7	11.7	49.4	74.0	-24.6	Peak	Horizontal
*	9933.5	34.9	15.0	49.9	74.0	-24.1	Peak	Horizontal
	4663.5	38.2	5.2	43.4	74.0	-30.6	Peak	Vertical
*	6644.0	39.0	8.5	47.5	74.0	-26.5	Peak	Vertical
	7468.5	35.7	10.9	46.6	74.0	-27.4	Peak	Vertical
*	10069.5	34.2	15.1	49.3	74.0	-24.7	Peak	Vertical

Note 1: “*” means that the frequency is not in 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	Notebook	Test Engineer	Dandy Li
Test Site	AC1	Test Date	2020/08/08
Test Mode:	802.11n-HT40 - Aux Antenna	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
	4859.0	35.5	5.7	41.2	74.0	-32.8	Peak	Horizontal
*	5326.5	38.7	6.3	45.0	74.0	-29.0	Peak	Horizontal
	7732.0	36.3	10.5	46.8	74.0	-27.2	Peak	Horizontal
*	10188.5	34.4	15.9	50.3	74.0	-23.7	Peak	Horizontal
	4663.5	39.7	5.2	44.9	74.0	-29.1	Peak	Vertical
*	6661.0	38.9	8.6	47.5	74.0	-26.5	Peak	Vertical
	7460.0	36.2	11.0	47.2	74.0	-26.8	Peak	Vertical
*	10435.0	33.5	16.4	49.9	74.0	-24.1	Peak	Vertical

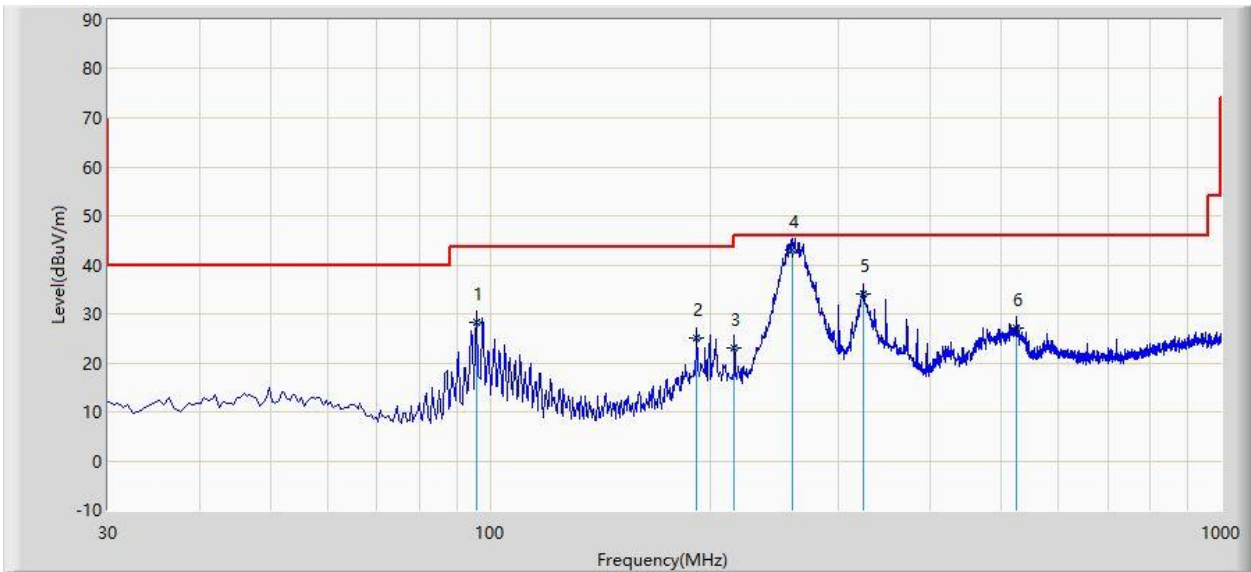
Note 1: “*” means that the frequency is not in restricted band.

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 Radiated Emission below 1GHz:

Site: AC1	Time: 2020/07/24
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: VULB 9168 _30-2000MHz	Polarity: Horizontal
EUT: Notebook	Power: AC120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Main Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			95.960	28.240	18.808	-15.260	43.500	9.432	QP
2			191.990	25.001	12.232	-18.499	43.500	12.769	QP
3			215.755	23.120	10.837	-20.380	43.500	12.284	QP
4		*	258.920	43.145	31.199	-2.855	46.000	11.946	QP
5			323.910	34.035	17.830	-11.965	46.000	16.205	QP
6			525.185	27.050	6.436	-18.950	46.000	20.614	QP

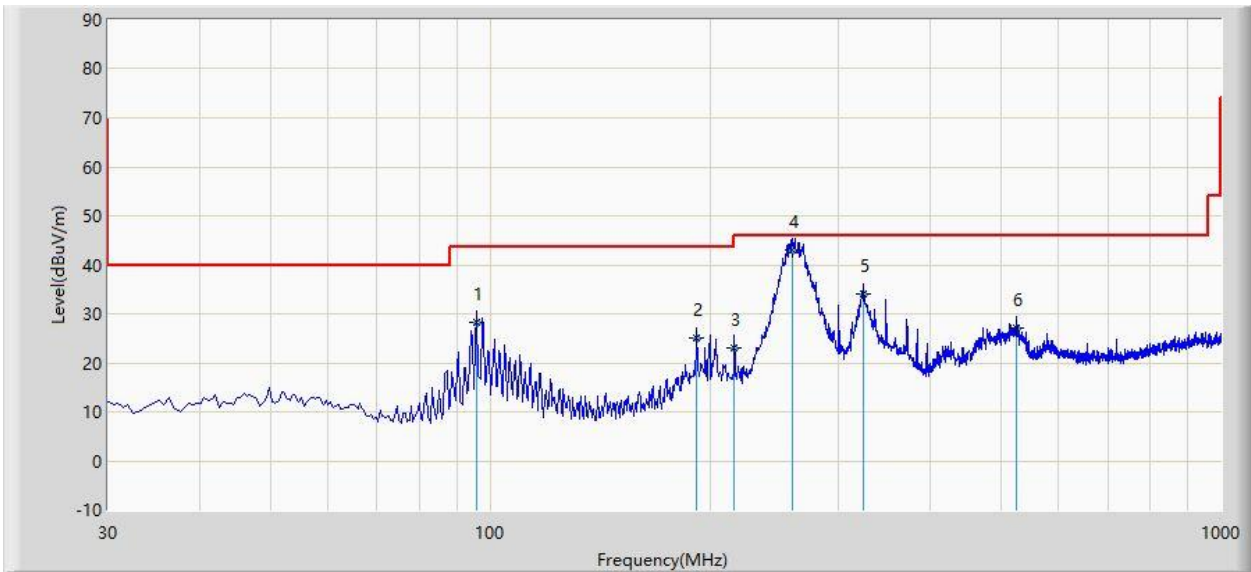
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz and 18GHz ~ 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: 2020/07/24
Limit: FCC_Part 15.209_RE(3m)	Engineer: Dillon Diao
Probe: VULB 9168 _30-2000MHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Main Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			95.960	28.240	18.808	-15.260	43.500	9.432	QP
2			191.990	25.001	12.232	-18.499	43.500	12.769	QP
3			215.755	23.120	10.837	-20.380	43.500	12.284	QP
4		*	258.920	43.145	31.199	-2.855	46.000	11.946	QP
5			323.910	34.035	17.830	-11.965	46.000	16.205	QP
6			525.185	27.050	6.436	-18.950	46.000	20.614	QP

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 ~ 30MHz and 18GHz ~ 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

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.

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

6.7.2.Test Procedure Used

ANSI C63.10-2013 Section 6.3

ANSI C63.10-2013 Section 6.6

ANSI C63.10-2013 Section 11.13

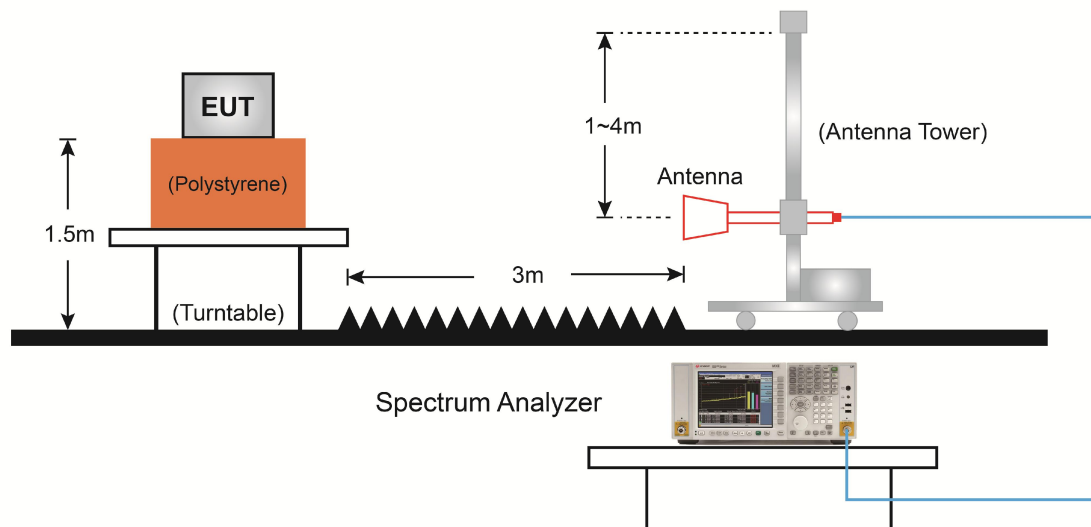
6.7.3.Test Setting

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

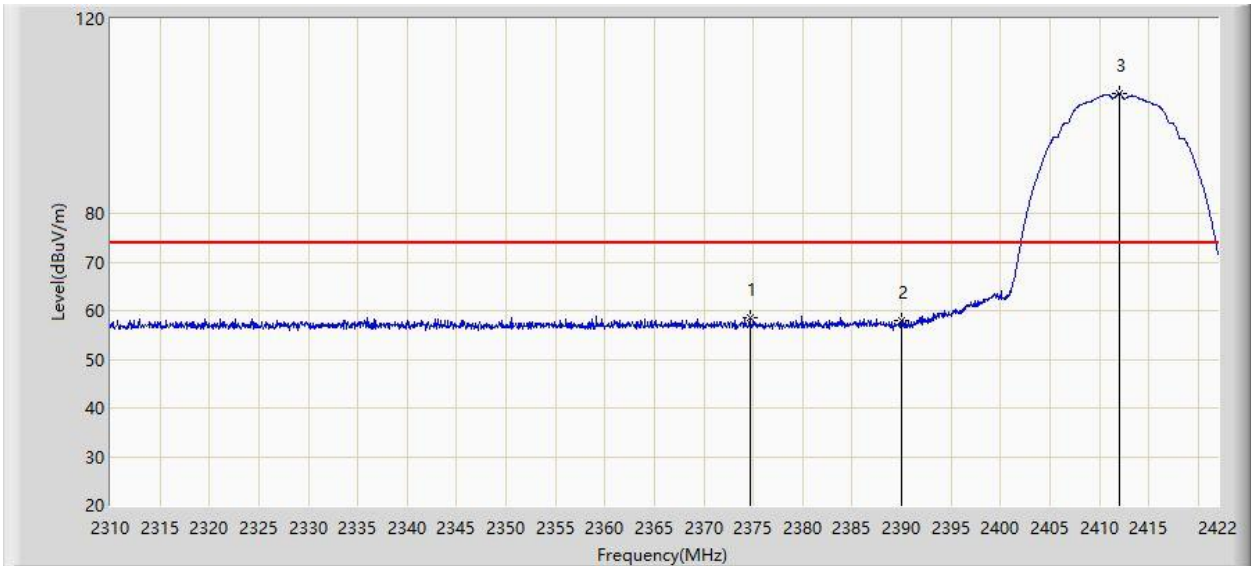
Average Field Strength Measurements

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

6.7.4. Test Setup

6.7.5.Test Result

Site: AC1	Time: 2020/07/25 - 12:49
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Main Antenna	

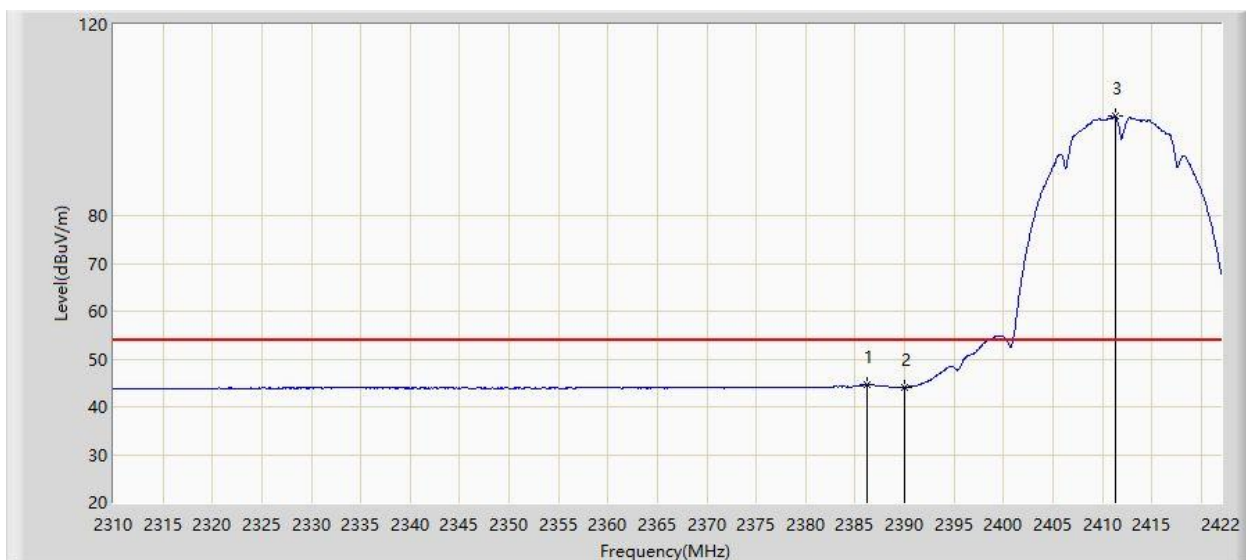


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2374.680	58.473	26.391	-15.527	74.000	32.082	PK
2			2390.000	57.858	25.786	-16.142	74.000	32.072	PK
3		*	2412.032	104.744	72.660	N/A	N/A	32.084	PK

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

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

Site: AC1	Time: 2020/07/25 - 13:39
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Main Antenna	

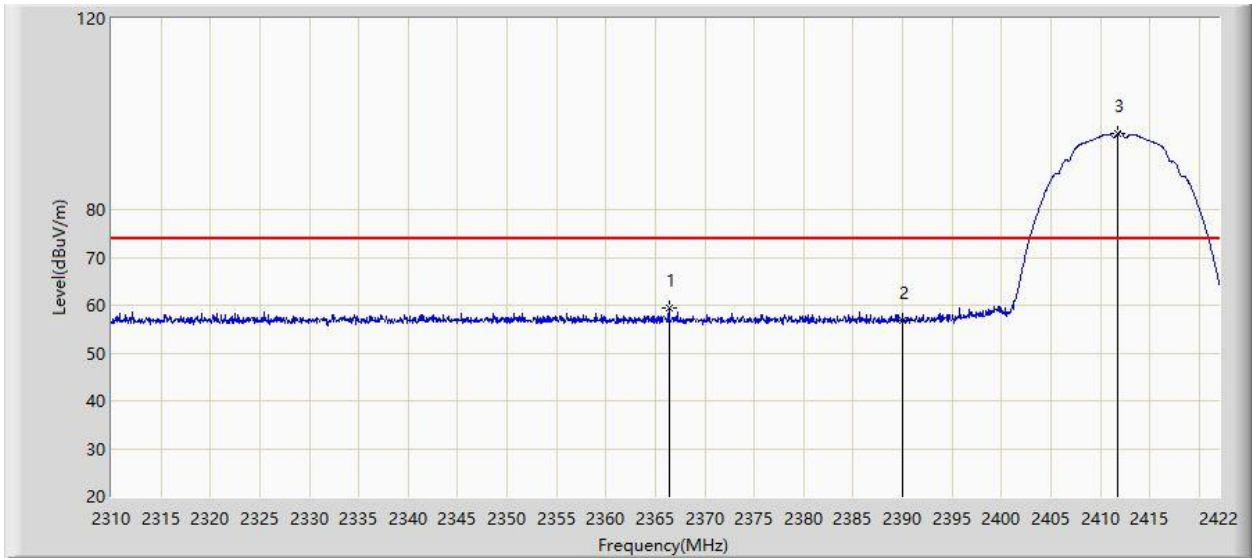


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.216	44.558	12.485	-9.442	54.000	32.073	AV
2			2390.000	44.130	12.058	-9.870	54.000	32.072	AV
3		*	2411.304	100.733	68.651	N/A	N/A	32.082	AV

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

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

Site: AC1	Time: 2020/07/25 - 13:41
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Main Antenna	

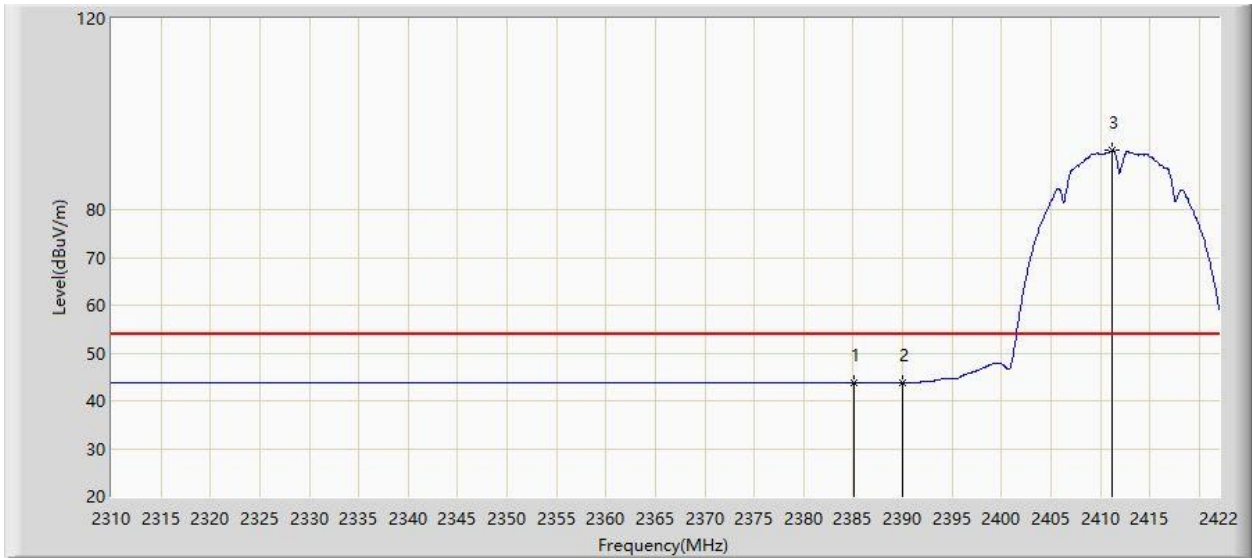


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2366.392	59.282	27.177	-14.718	74.000	32.105	PK
2			2390.000	56.886	24.814	-17.114	74.000	32.072	PK
3		*	2411.808	95.976	63.893	N/A	N/A	32.083	PK

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

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

Site: AC1	Time: 2020/07/25 - 13:43
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Main Antenna	

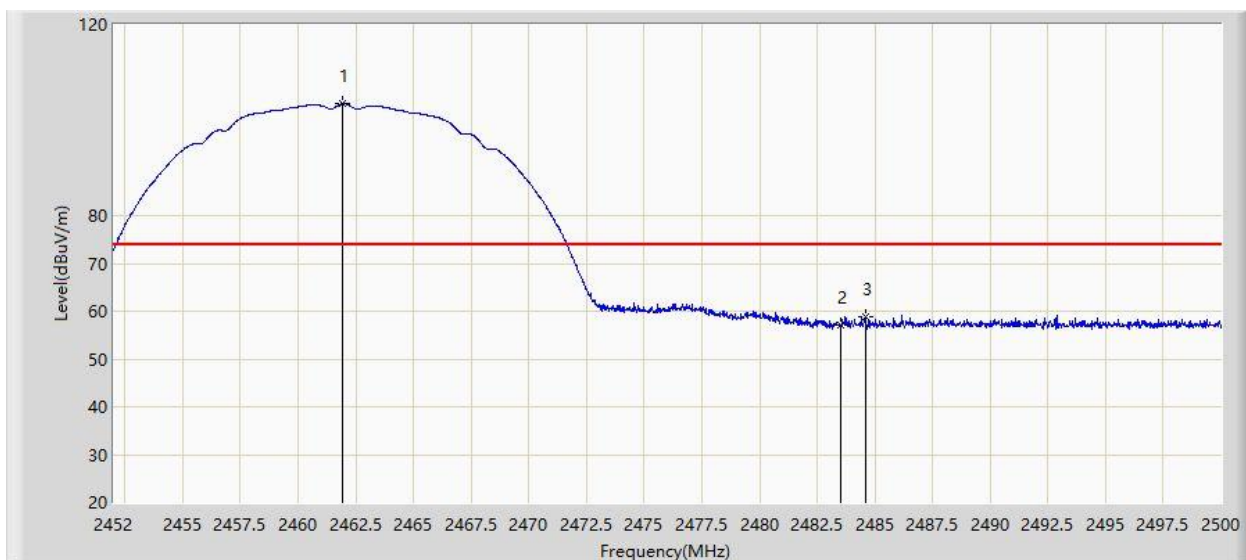


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.096	43.894	11.820	-10.106	54.000	32.074	AV
2			2390.000	43.756	11.684	-10.244	54.000	32.072	AV
3		*	2411.136	92.356	60.275	N/A	N/A	32.081	AV

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

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

Site: AC1	Time: 2020/07/25 - 13:47
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Main Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.912	103.409	71.328	N/A	N/A	32.080	PK
2			2483.500	57.001	24.964	-16.999	74.000	32.037	PK
3			2484.592	58.900	26.865	-15.100	74.000	32.035	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:28
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Main Antenna	

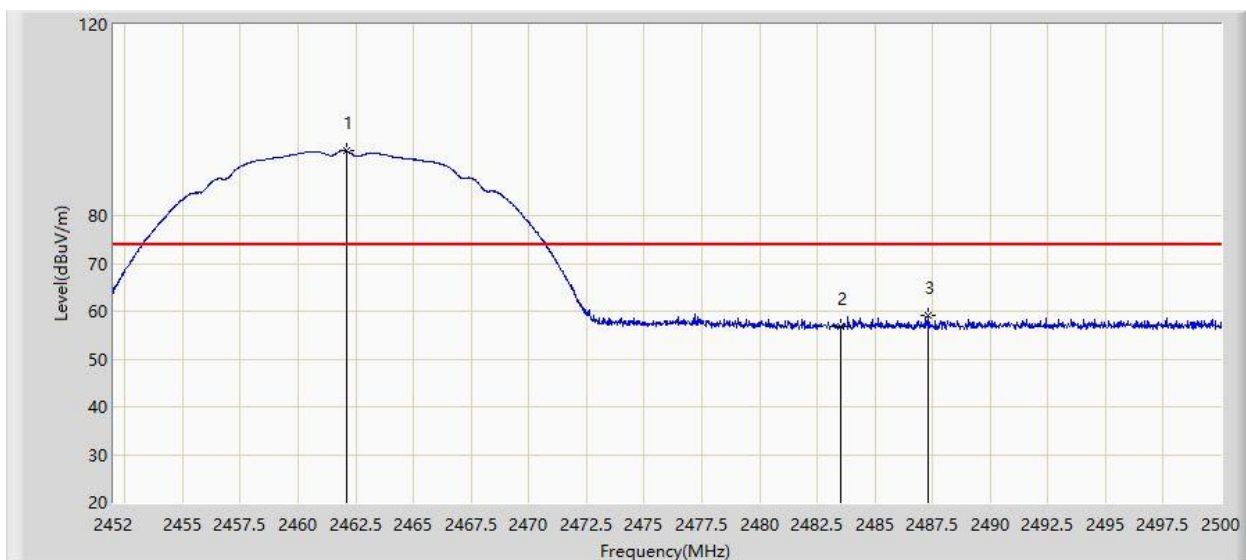


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	99.688	67.608	N/A	N/A	32.080	AV
2			2483.500	44.267	12.230	-9.733	54.000	32.037	AV
3			2487.208	44.381	12.351	-9.619	54.000	32.030	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:29
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Main Antenna	

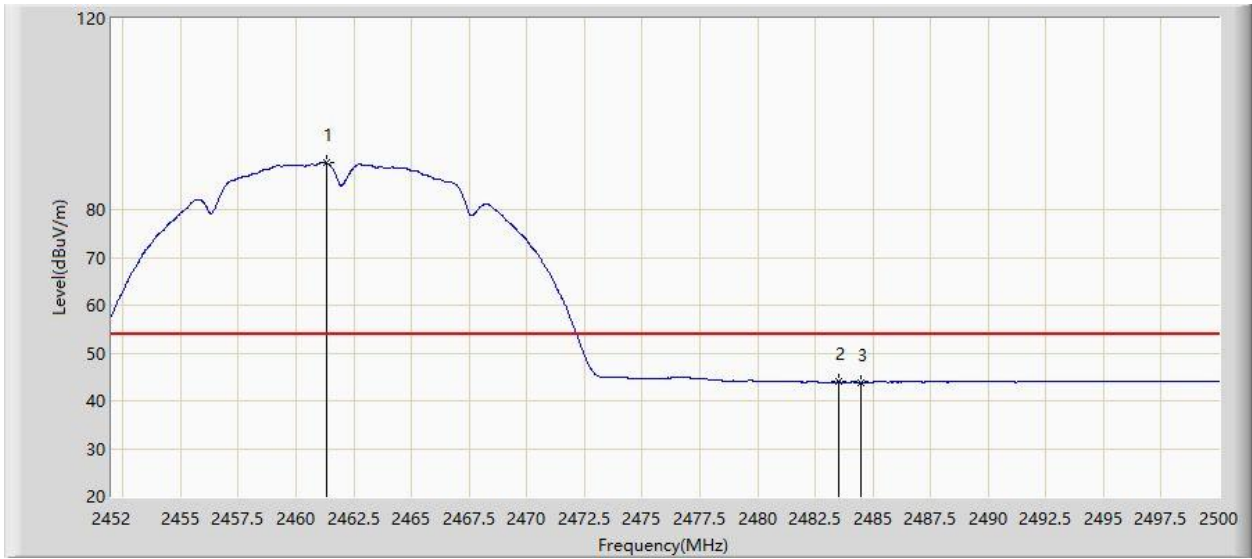


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.128	93.501	61.421	N/A	N/A	32.081	PK
2			2483.500	56.926	24.889	-17.074	74.000	32.037	PK
3			2487.328	59.045	27.015	-14.955	74.000	32.029	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:31
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Main Antenna	

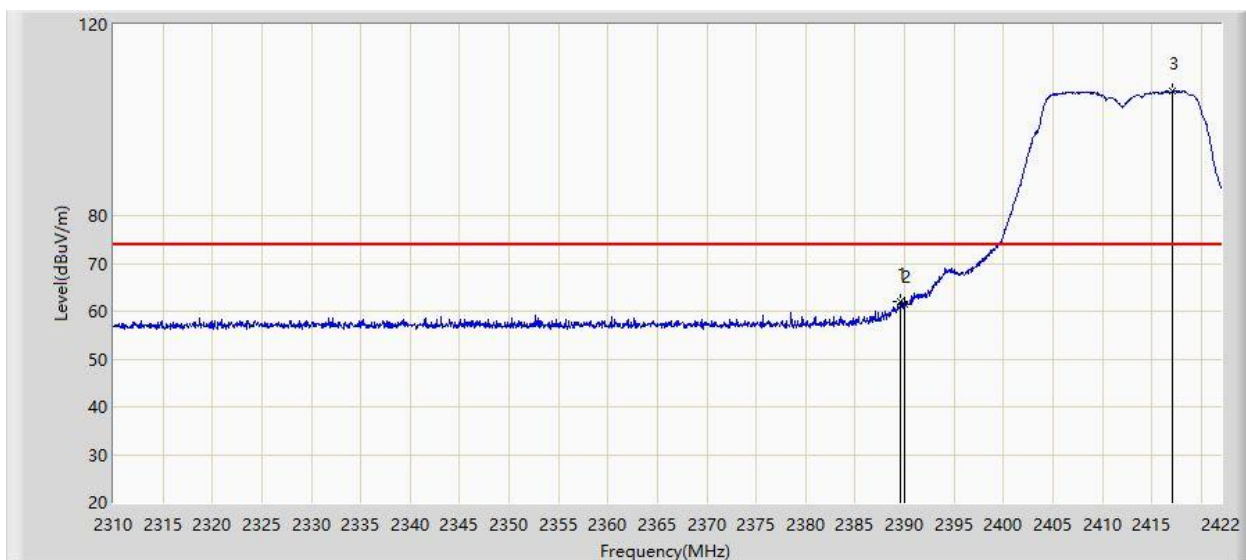


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.312	89.801	57.721	N/A	N/A	32.080	AV
2			2483.500	43.931	11.894	-10.069	54.000	32.037	AV
3			2484.496	43.901	11.866	-10.099	54.000	32.035	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:33
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Main Antenna	

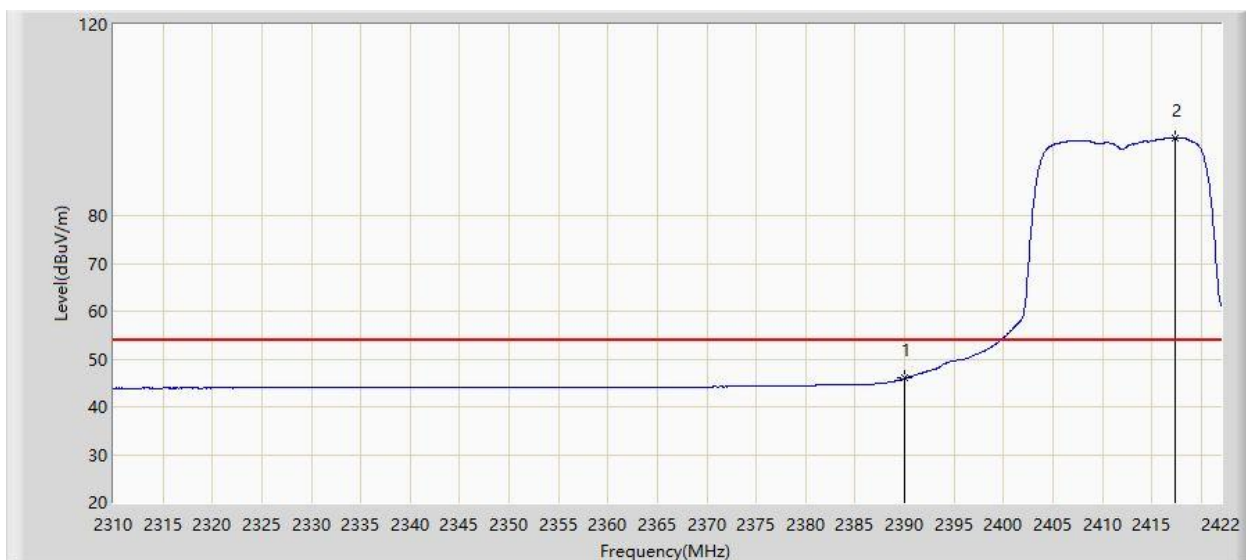


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.632	61.907	29.835	-12.093	74.000	32.072	PK
2			2390.000	61.412	29.340	-12.588	74.000	32.072	PK
3		*	2417.072	105.980	73.883	N/A	N/A	32.096	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Main Antenna	

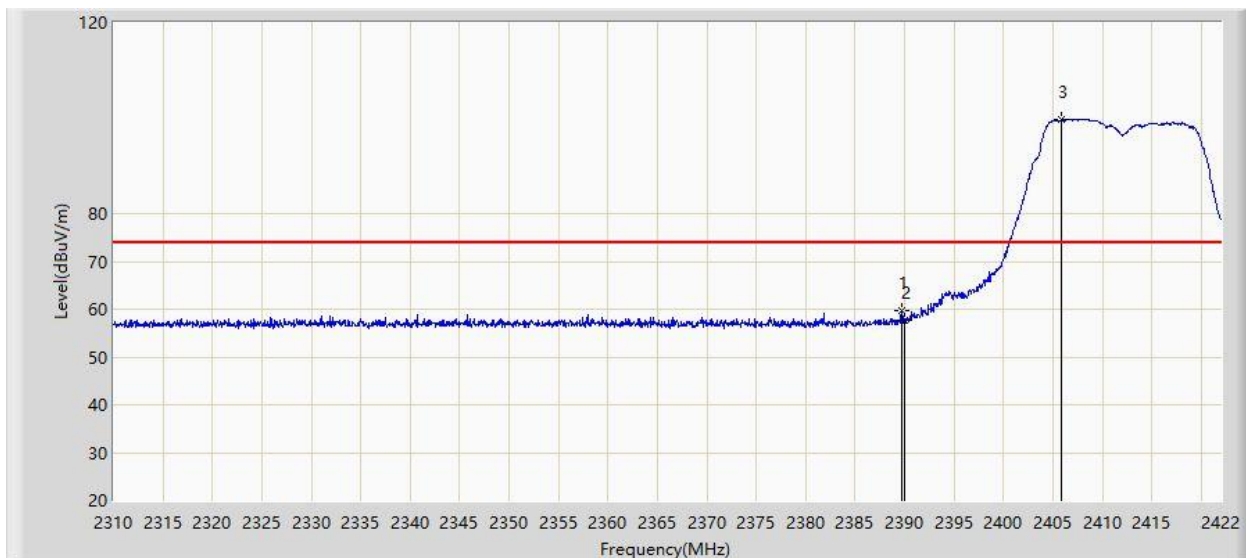


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.977	13.905	-8.023	54.000	32.072	AV
2		*	2417.408	96.260	64.162	N/A	N/A	32.098	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:38
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Main Antenna	

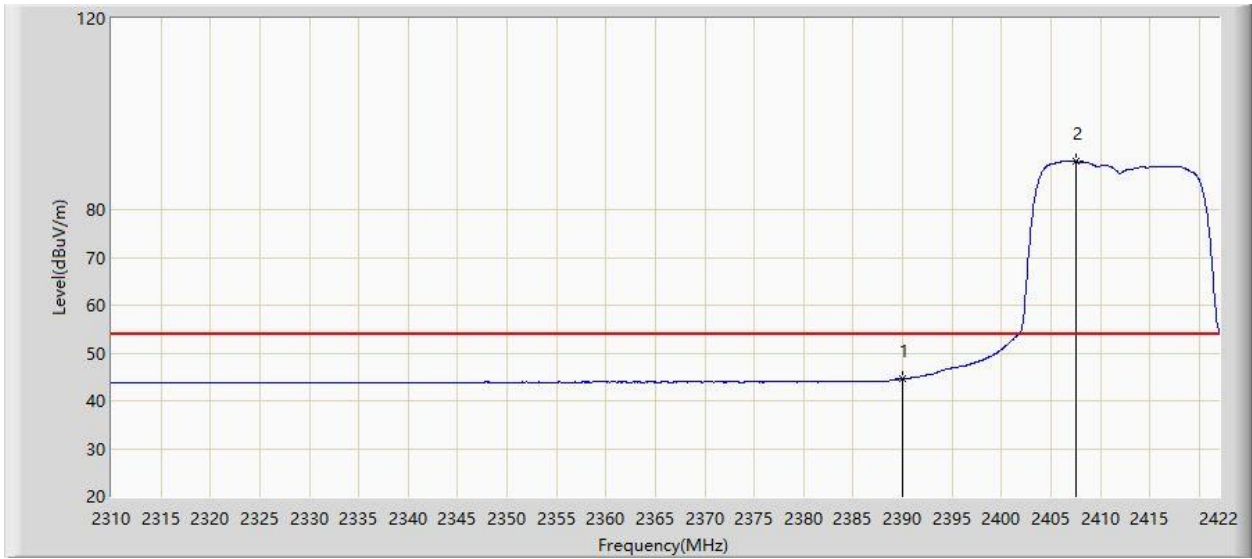


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.744	59.579	27.507	-14.421	74.000	32.072	PK
2			2390.000	57.786	25.714	-16.214	74.000	32.072	PK
3		*	2405.928	99.661	67.583	N/A	N/A	32.077	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:41
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Main Antenna	

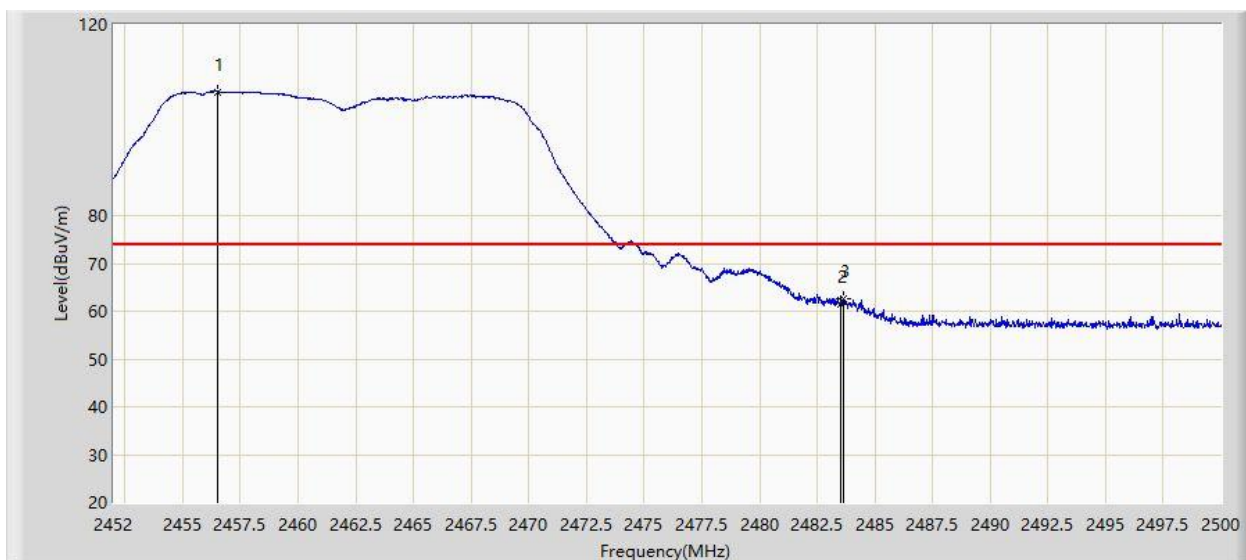


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.576	12.504	-9.424	54.000	32.072	AV
2		*	2407.496	90.100	58.021	N/A	N/A	32.079	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:42
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz Main Antenna	

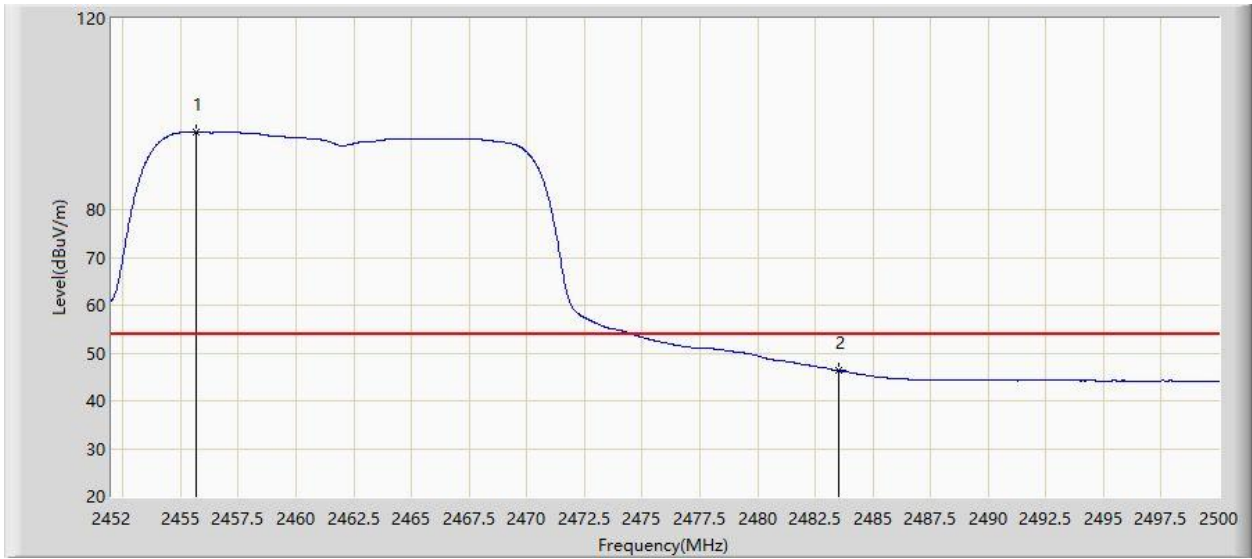


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.536	105.935	73.857	N/A	N/A	32.078	PK
2			2483.500	61.562	29.525	-12.438	74.000	32.037	PK
3			2483.632	62.612	30.575	-11.388	74.000	32.036	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:45
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz Main Antenna	

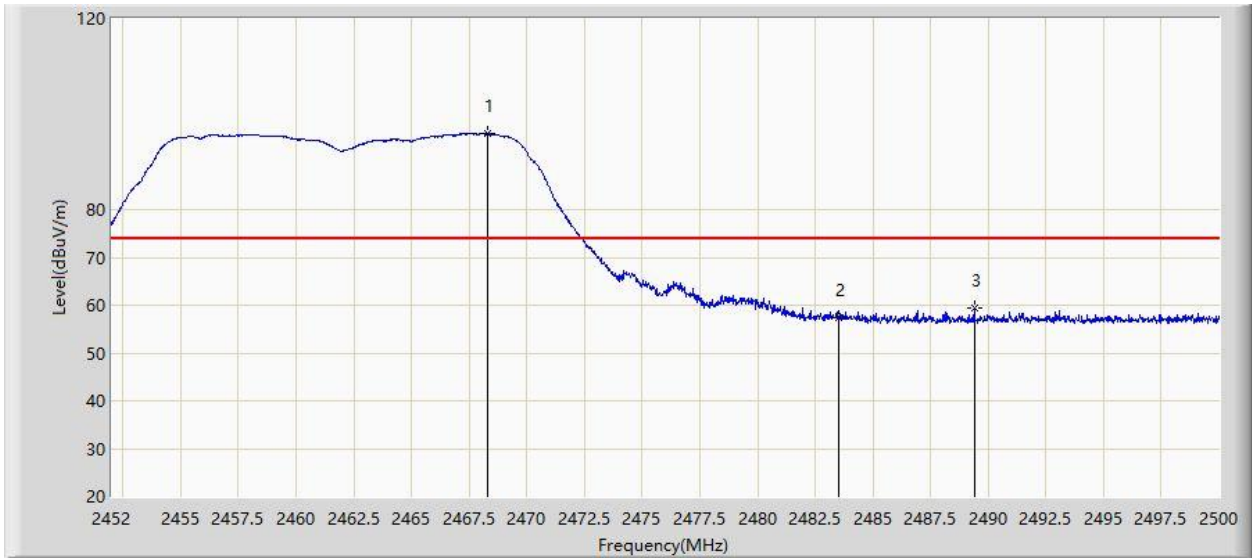


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.696	96.250	64.172	N/A	N/A	32.078	AV
2			2483.500	46.317	14.280	-7.683	54.000	32.037	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:46
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz Main Antenna	

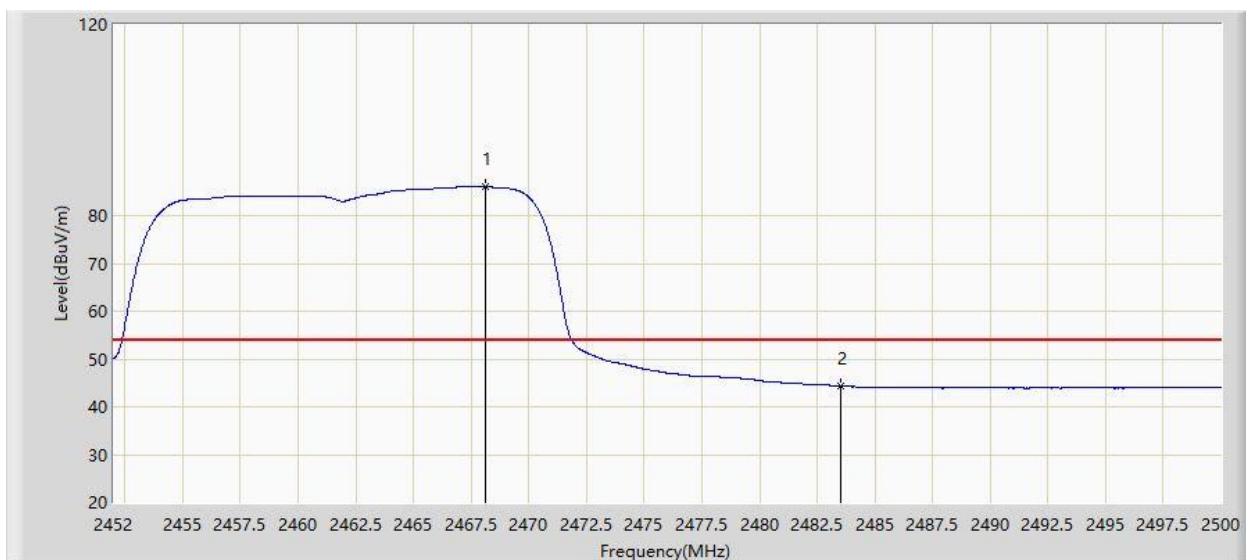


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.320	95.937	63.869	N/A	N/A	32.068	PK
2			2483.500	57.369	25.332	-16.631	74.000	32.037	PK
3			2489.392	59.409	27.383	-14.591	74.000	32.026	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:48
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz Main Antenna	

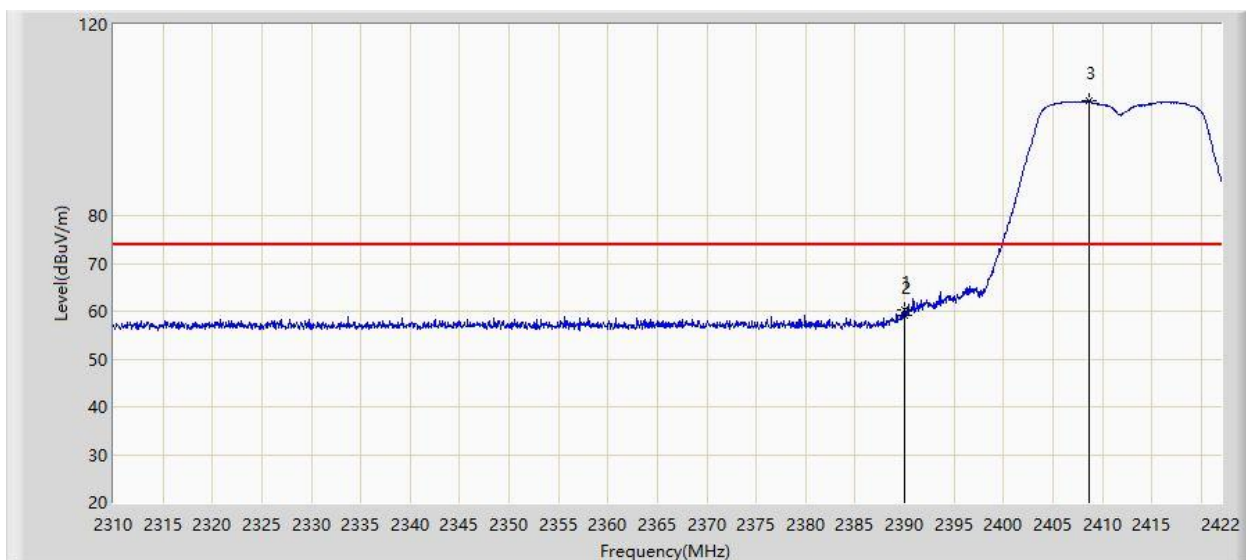


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.104	86.063	53.995	N/A	N/A	32.068	AV
2			2483.500	44.304	12.267	-9.696	54.000	32.037	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:50
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz Main Antenna	

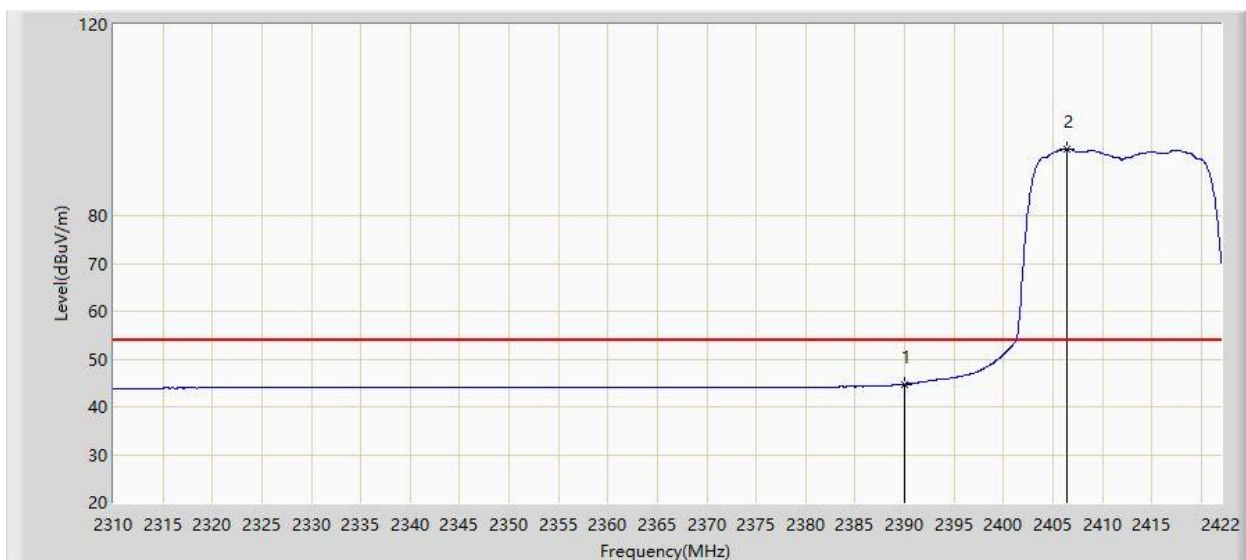


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.968	60.383	28.311	-13.617	74.000	32.072	PK
2			2390.000	59.060	26.988	-14.940	74.000	32.072	PK
3		*	2408.728	104.040	71.961	N/A	N/A	32.080	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz Main Antenna	

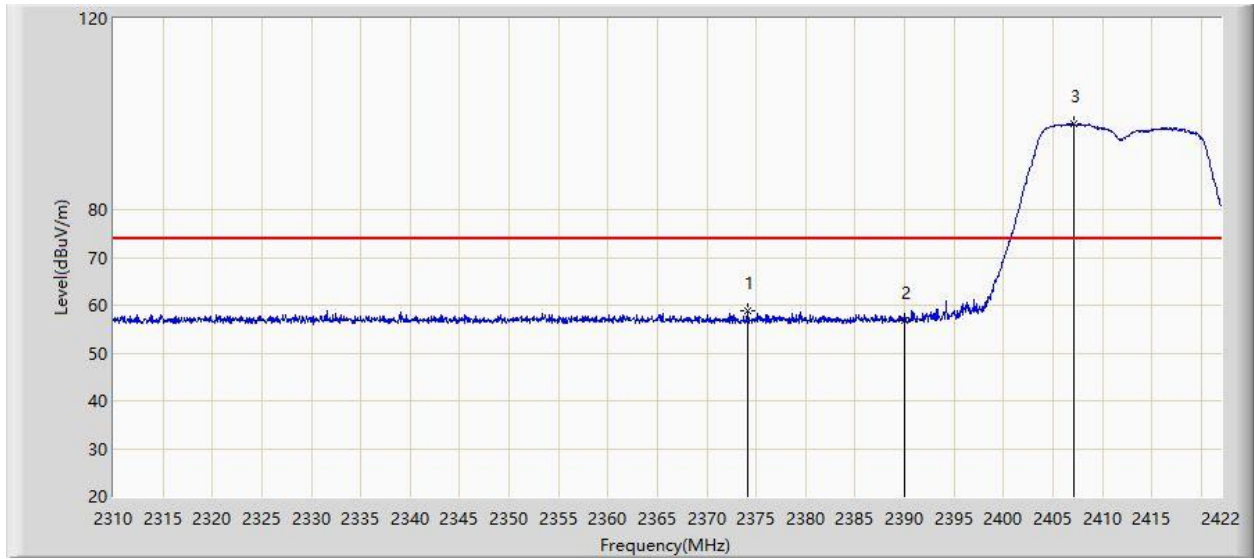


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.721	12.649	-9.279	54.000	32.072	AV
2		*	2406.432	93.946	61.868	N/A	N/A	32.079	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:54
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz Main Antenna	

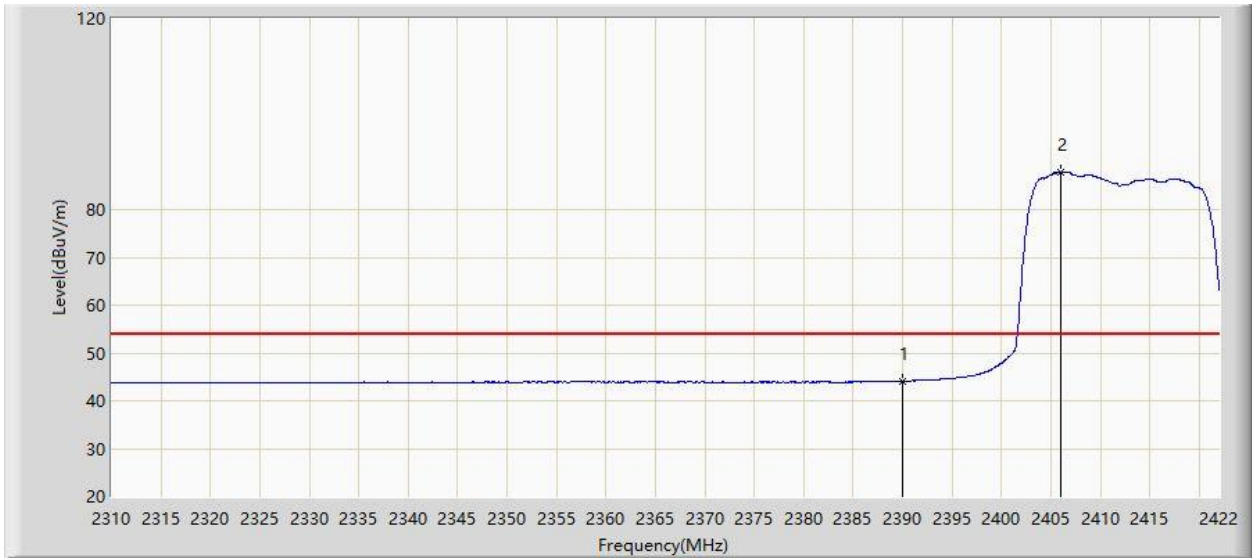


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2374.120	58.759	26.675	-15.241	74.000	32.084	PK
2			2390.000	56.792	24.720	-17.208	74.000	32.072	PK
3		*	2407.160	97.875	65.796	N/A	N/A	32.078	PK

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

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

Site: AC1	Time: 2020/07/25 - 14:57
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz Main Antenna	

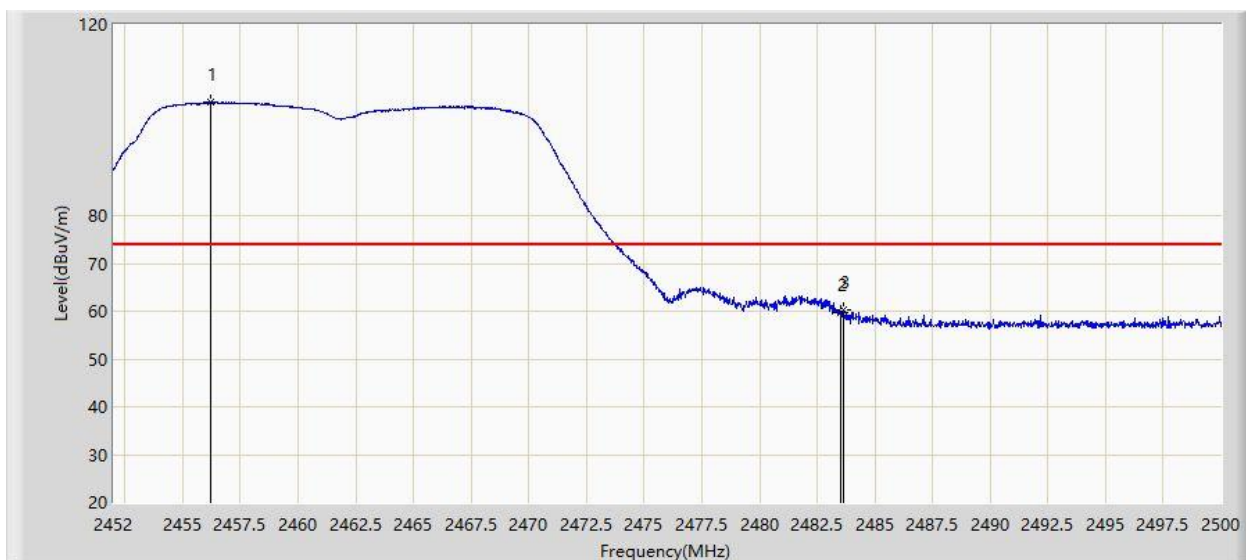


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.105	12.033	-9.895	54.000	32.072	AV
2		*	2405.984	87.864	55.786	N/A	N/A	32.078	AV

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

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

Site: AC1	Time: 2020/07/25 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz Main Antenna	

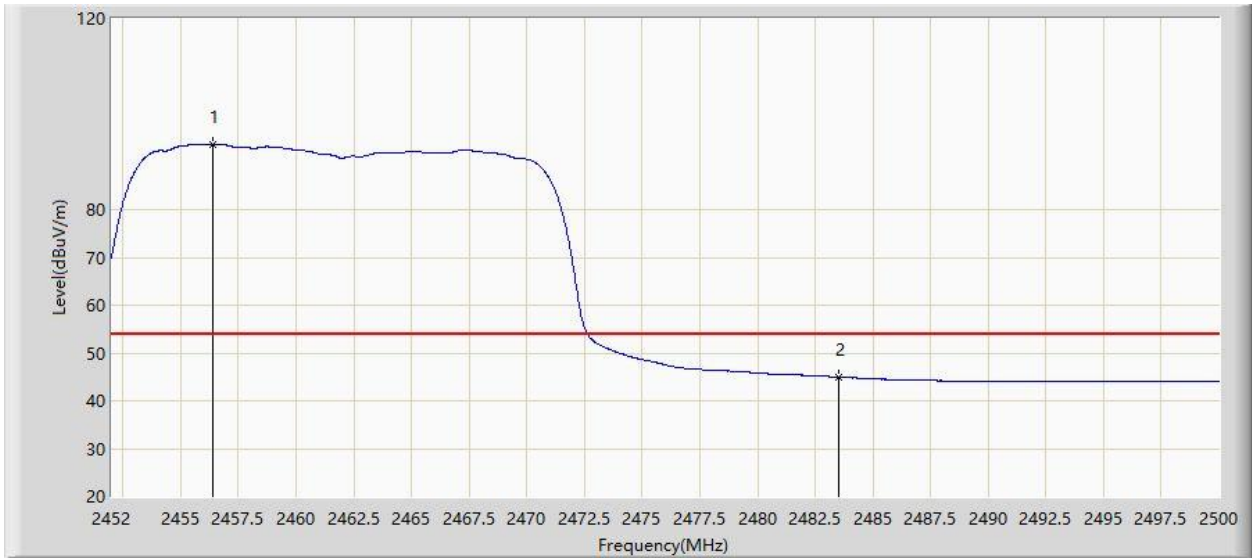


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.224	103.701	71.623	N/A	N/A	32.079	PK
2			2483.500	59.730	27.693	-14.270	74.000	32.037	PK
3			2483.632	60.265	28.228	-13.735	74.000	32.036	PK

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

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

Site: AC1	Time: 2020/07/25 - 15:01
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz Main Antenna	

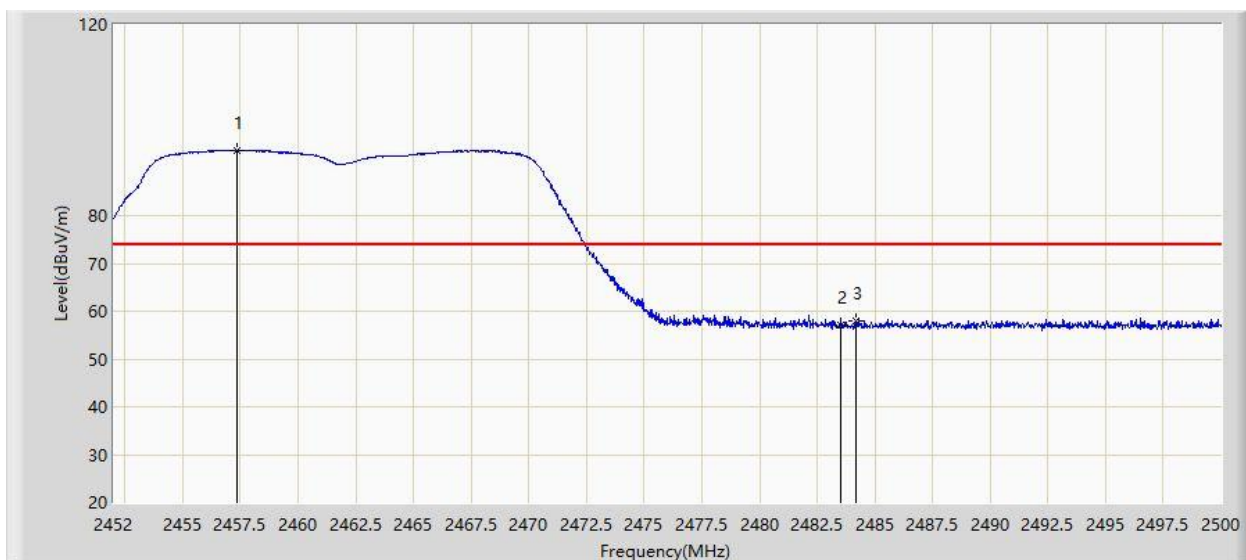


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.368	93.692	61.614	N/A	N/A	32.078	AV
2			2483.500	44.943	12.906	-9.057	54.000	32.037	AV

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

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

Site: AC1	Time: 2020/07/25 - 15:01
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz Main Antenna	

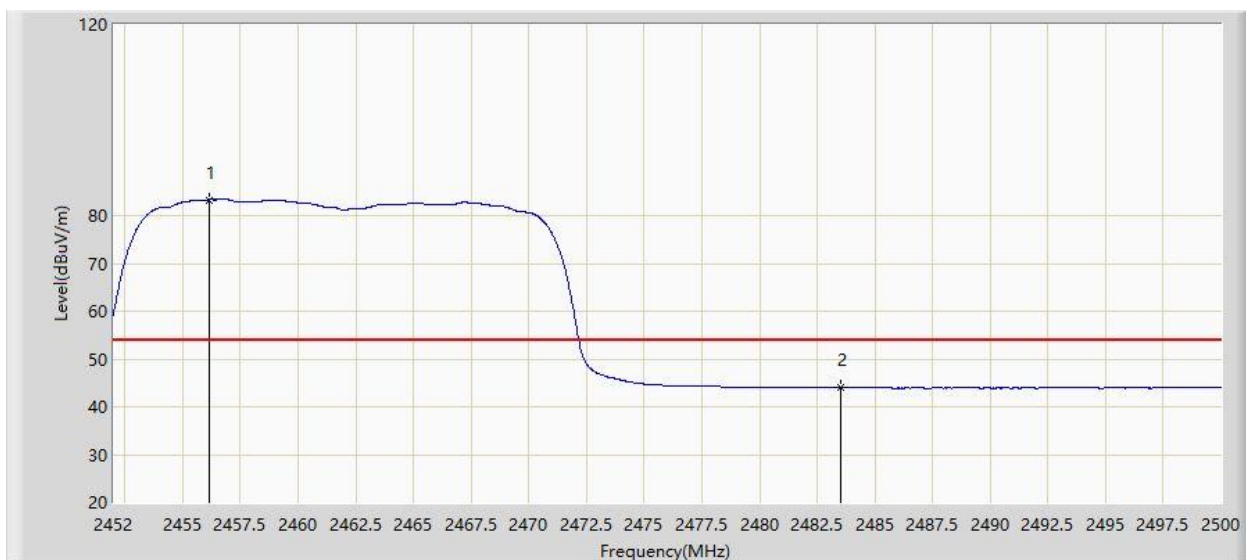


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.352	93.689	61.610	N/A	N/A	32.078	PK
2			2483.500	57.021	24.984	-16.979	74.000	32.037	PK
3			2484.160	58.115	26.079	-15.885	74.000	32.036	PK

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

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

Site: AC1	Time: 2020/07/25 - 15:04
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz Main Antenna	

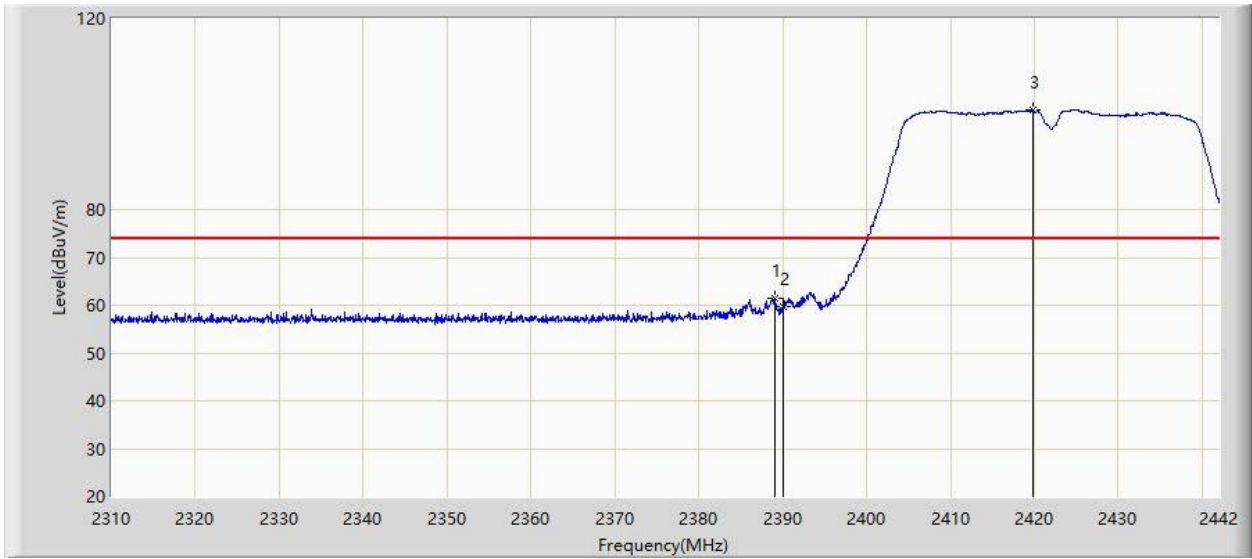


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.152	83.329	51.251	N/A	N/A	32.078	AV
2			2483.500	43.949	11.912	-10.051	54.000	32.037	AV

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

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

Site: AC1	Time: 2020/07/25 - 15:07
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz Main Antenna	

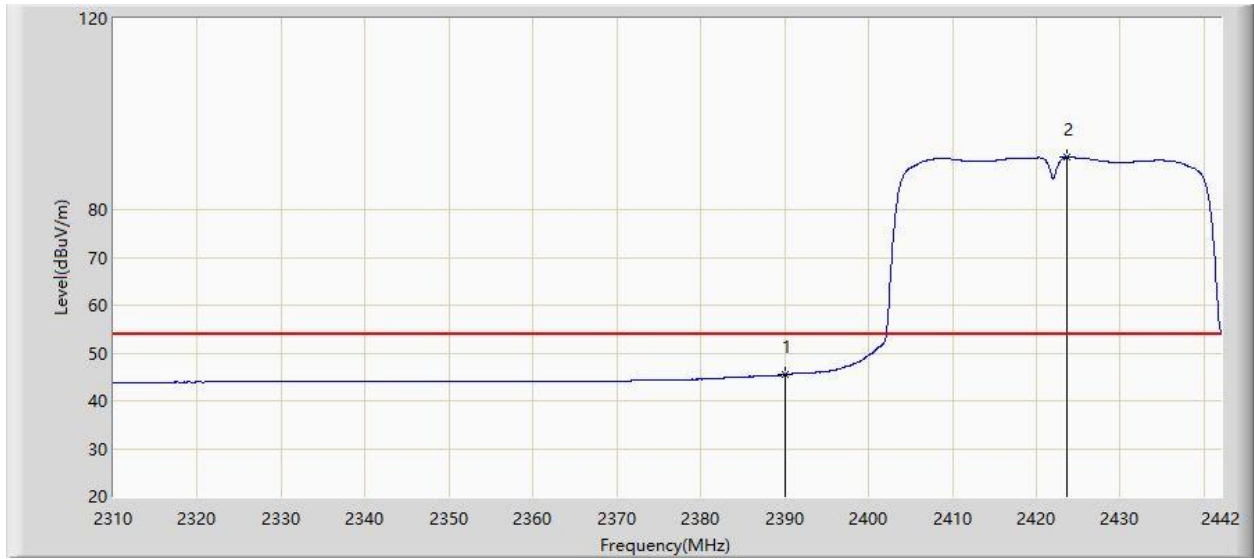


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.002	61.446	29.374	-12.554	74.000	32.072	PK
2			2390.000	59.852	27.780	-14.148	74.000	32.072	PK
3		*	2419.758	100.918	68.814	N/A	N/A	32.104	PK

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

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

Site: AC1	Time: 2020/07/25 - 15:10
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz Main Antenna	

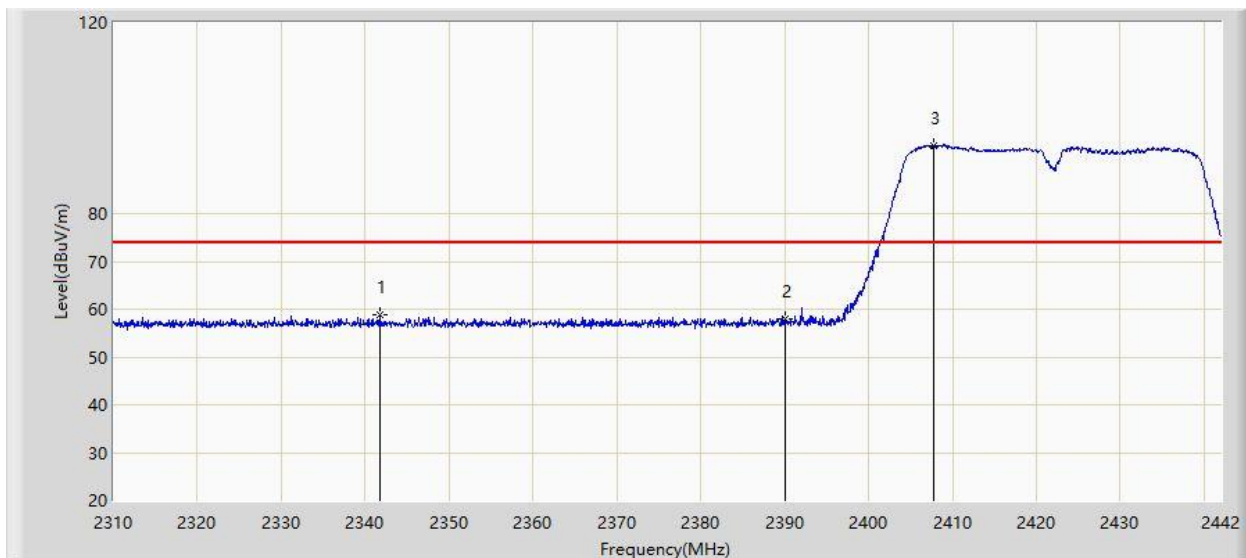


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.417	13.345	-8.583	54.000	32.072	AV
2		*	2423.586	90.974	58.860	N/A	N/A	32.114	AV

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

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

Site: AC1	Time: 2020/07/25 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz Main Antenna	

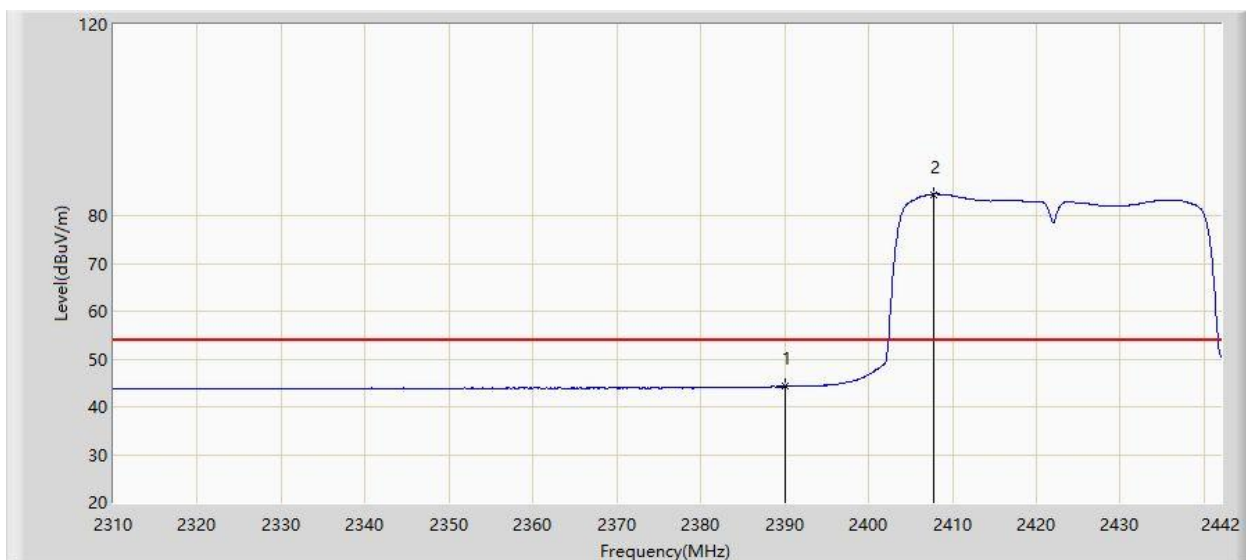


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2341.680	58.776	26.637	-15.224	74.000	32.139	PK
2			2390.000	58.037	25.965	-15.963	74.000	32.072	PK
3		*	2407.680	94.272	62.193	N/A	N/A	32.078	PK

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

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

Site: AC1	Time: 2020/07/25 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz Main Antenna	

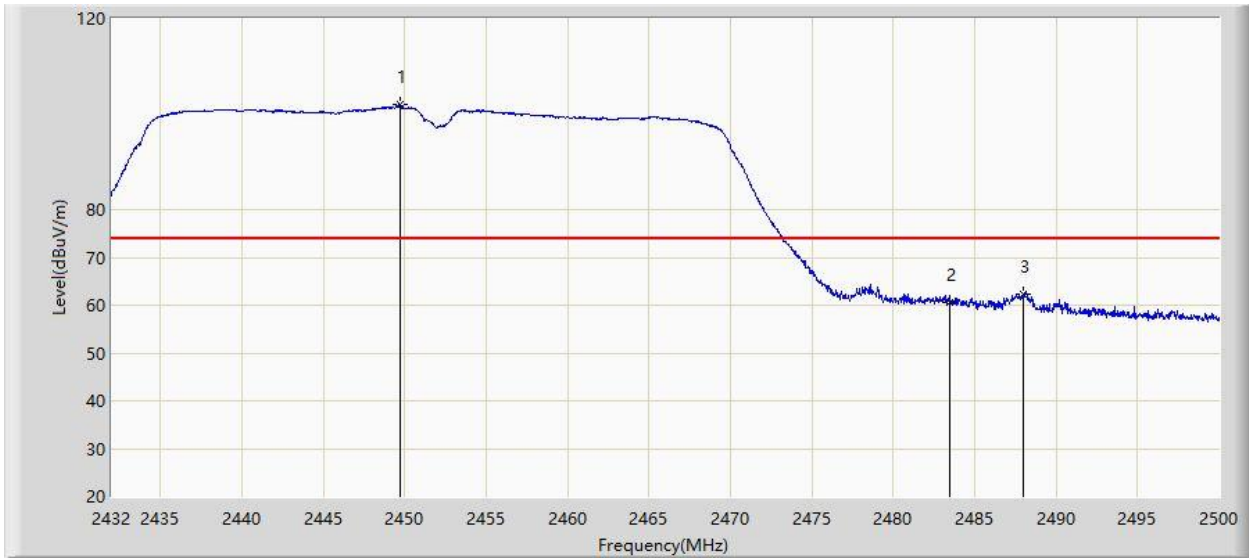


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.225	12.153	-9.775	54.000	32.072	AV
2		*	2407.680	84.462	52.383	N/A	N/A	32.078	AV

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

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

Site: AC1	Time: 2020/07/25 - 15:15
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz Main Antenna	

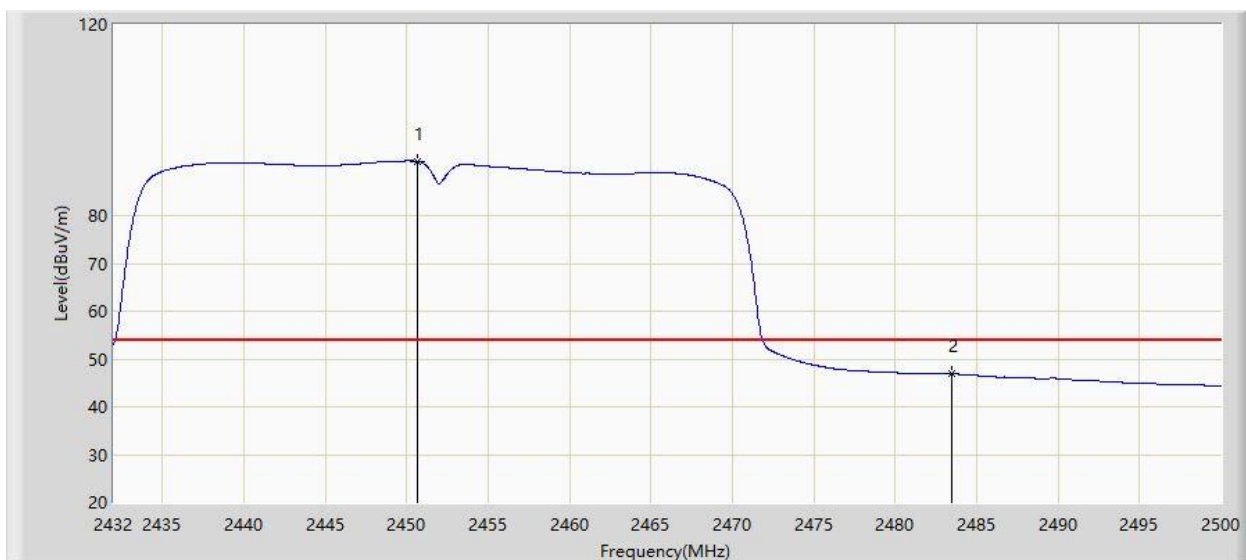


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.714	101.950	69.874	N/A	N/A	32.076	PK
2			2483.500	60.708	28.671	-13.292	74.000	32.037	PK
3			2487.998	62.444	30.416	-11.556	74.000	32.028	PK

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

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

Site: AC1	Time: 2020/07/25 - 15:18
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz Main Antenna	

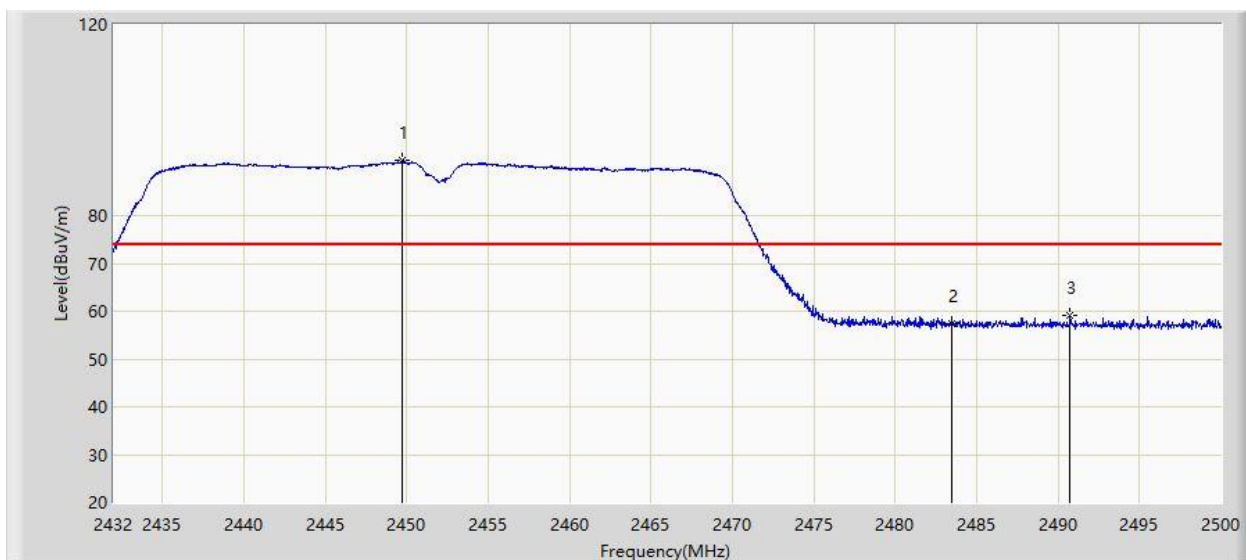


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.666	91.347	59.271	N/A	N/A	32.076	AV
2			2483.500	46.910	14.873	-7.090	54.000	32.037	AV

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

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

Site: AC1	Time: 2020/07/25 - 15:19
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz Main Antenna	

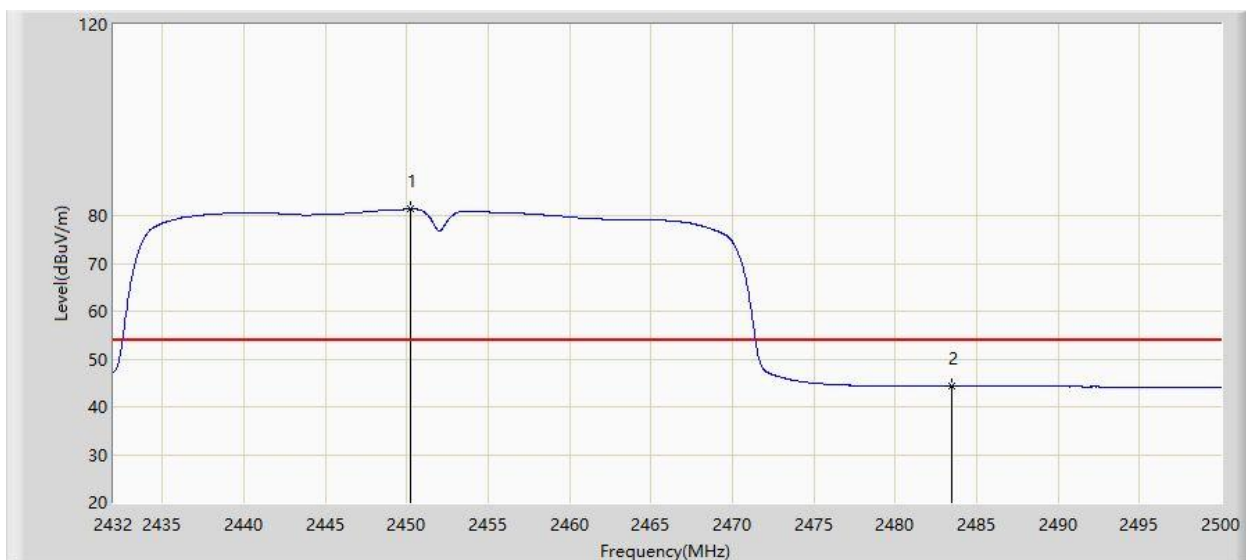


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.748	91.735	59.659	N/A	N/A	32.076	PK
2			2483.500	57.493	25.456	-16.507	74.000	32.037	PK
3			2490.752	59.131	27.108	-14.869	74.000	32.023	PK

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

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

Site: AC1	Time: 2020/07/25 - 15:22
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
Probe: AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz Main Antenna	

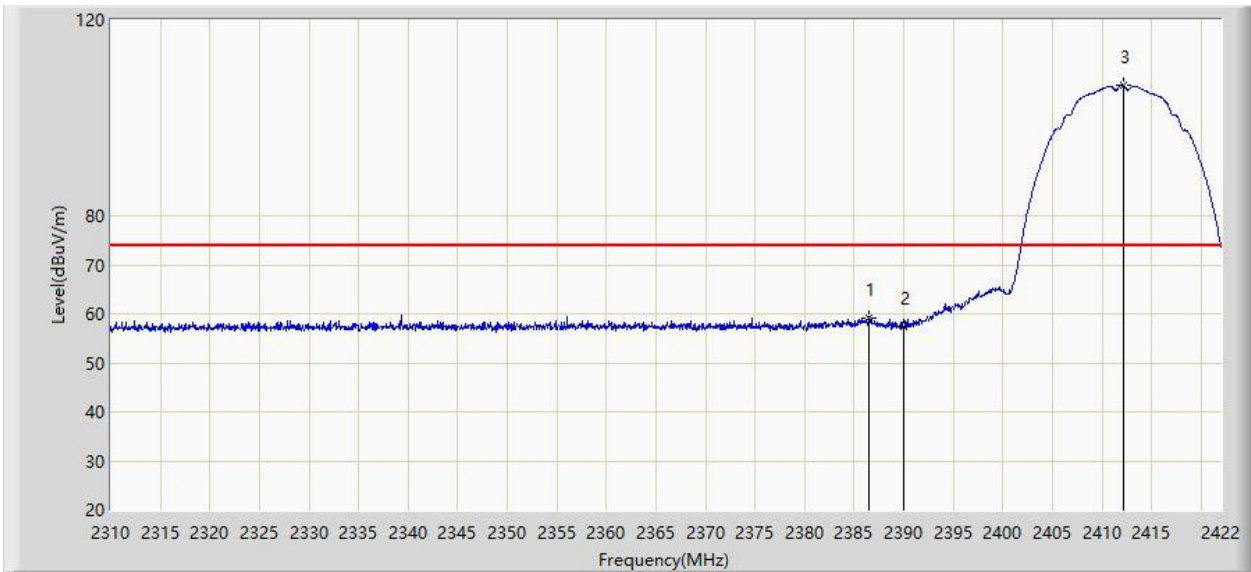


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.258	81.396	49.320	N/A	N/A	32.075	AV
2			2483.500	44.390	12.353	-9.610	54.000	32.037	AV

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

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

Site: AC1	Time: 2020/08/07 - 10:46
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Aux Antenna	

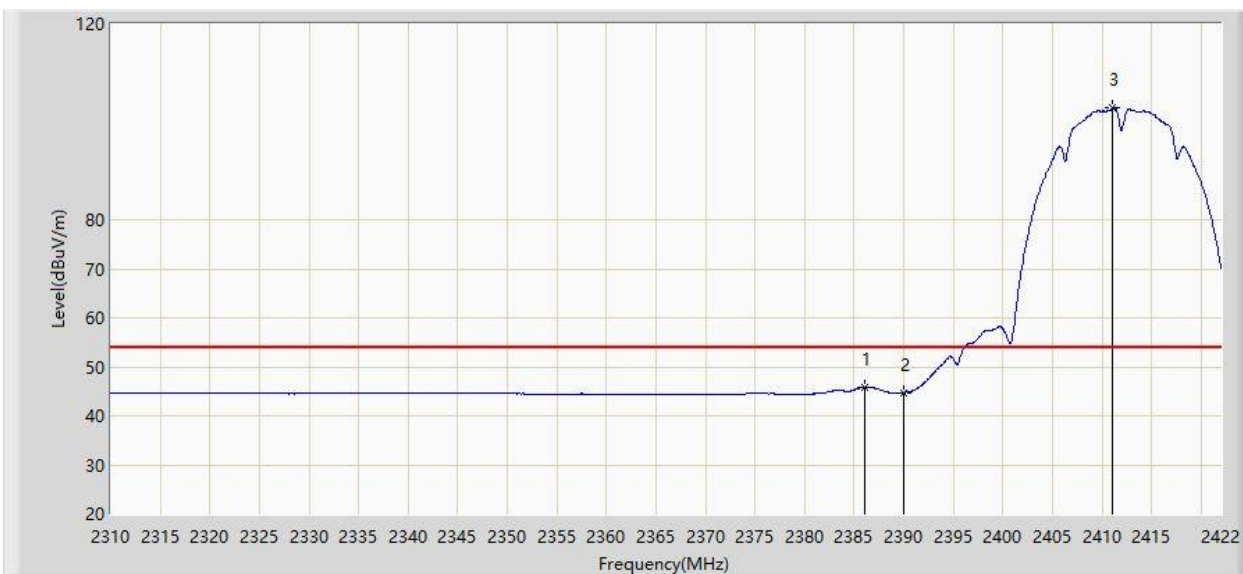


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.552	59.064	26.368	-14.936	74.000	32.696	PK
2			2390.000	57.373	24.661	-16.627	74.000	32.712	PK
3		*	2412.200	106.528	73.798	N/A	N/A	32.730	PK

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

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

Site: AC1	Time: 2020/08/07 - 10:51
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Aux Antenna	

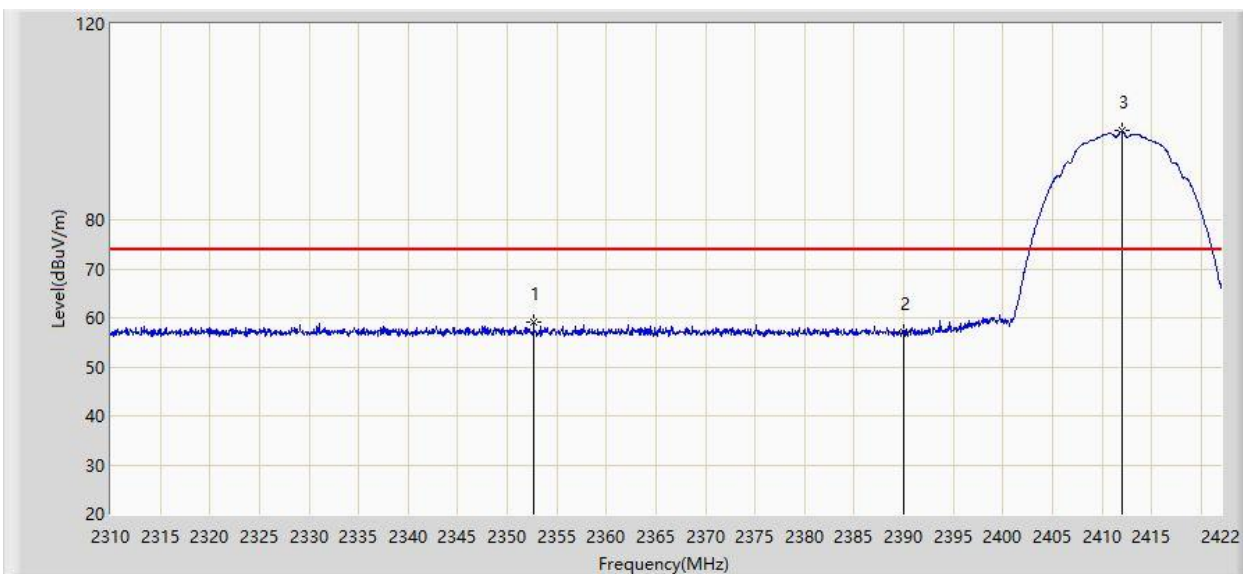


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.104	45.934	13.240	-8.066	54.000	32.694	AV
2			2390.000	44.737	12.025	-9.263	54.000	32.712	AV
3		*	2411.080	102.787	70.056	N/A	N/A	32.731	AV

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

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

Site: AC1	Time: 2020/08/07 - 10:59
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Aux Antenna	

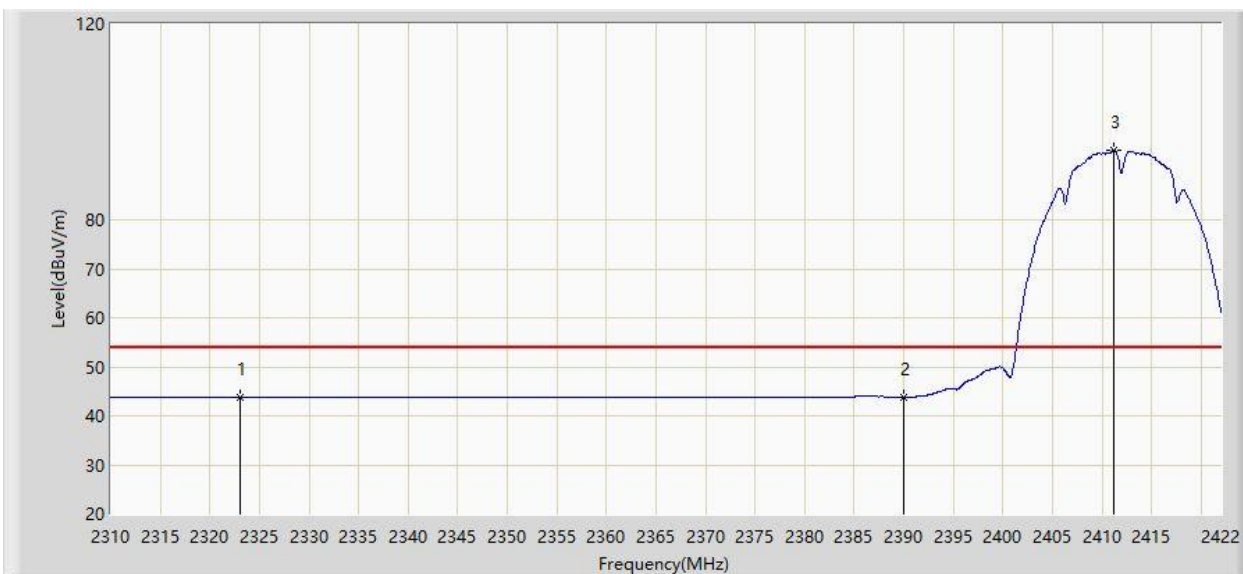


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2352.672	59.048	26.268	-14.952	74.000	32.781	PK
2			2390.000	57.078	24.366	-16.922	74.000	32.712	PK
3		*	2411.976	98.116	65.386	N/A	N/A	32.730	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:03
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2412MHz Aux Antenna	

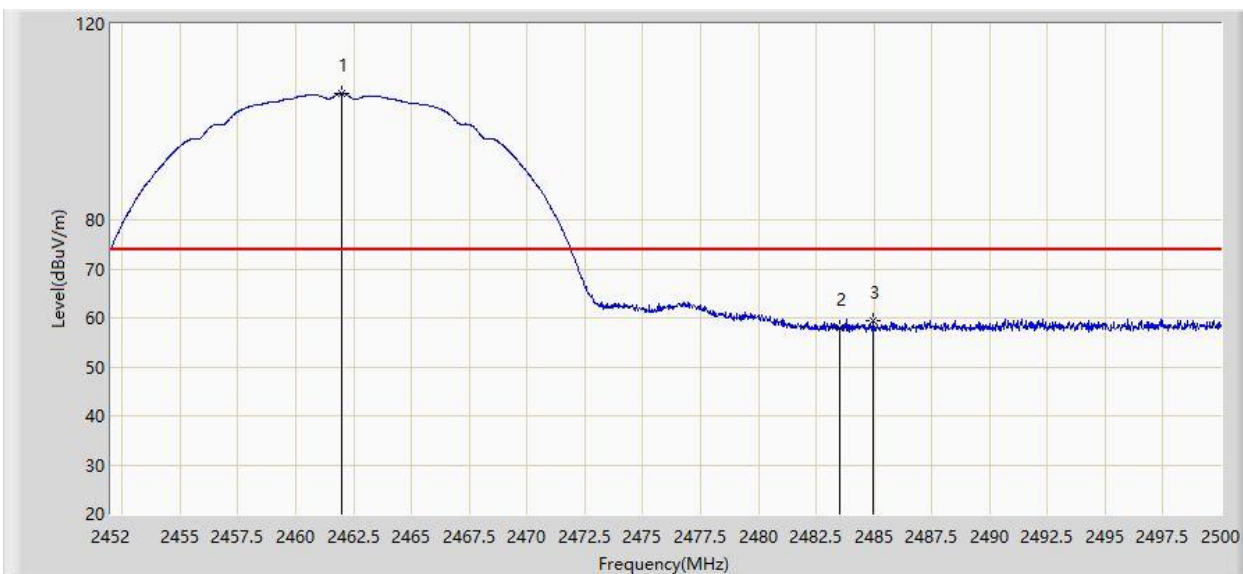


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2322.992	43.765	10.985	-10.235	54.000	32.780	AV
2			2390.000	43.778	11.066	-10.222	54.000	32.712	AV
3		*	2411.136	94.256	61.525	N/A	N/A	32.731	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:04
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Aux Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.984	105.810	73.053	N/A	N/A	32.757	PK
2			2483.500	57.943	25.293	-16.057	74.000	32.651	PK
3			2484.976	59.341	26.703	-14.659	74.000	32.638	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:09
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Aux Antenna	

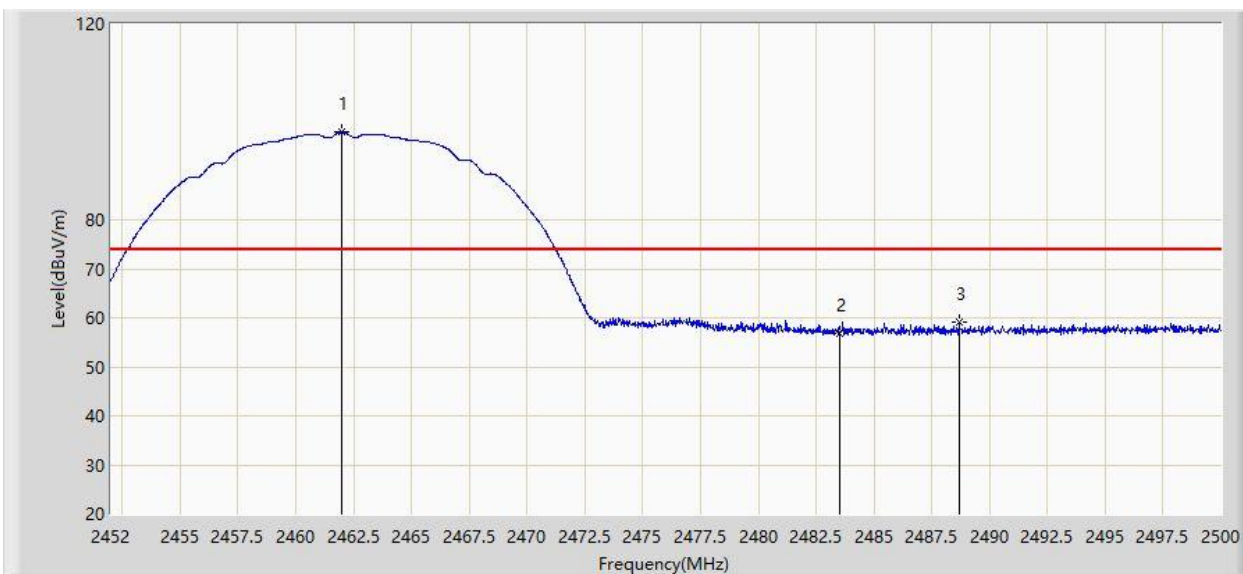


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.384	101.836	69.081	N/A	N/A	32.754	AV
2			2483.500	44.759	12.109	-9.241	54.000	32.651	AV
3			2487.592	45.068	12.453	-8.932	54.000	32.615	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:13
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Aux Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.984	97.894	65.137	N/A	N/A	32.757	PK
2			2483.500	56.835	24.185	-17.165	74.000	32.651	PK
3			2488.696	59.158	26.543	-14.842	74.000	32.615	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11b at Channel 2462MHz Aux Antenna	

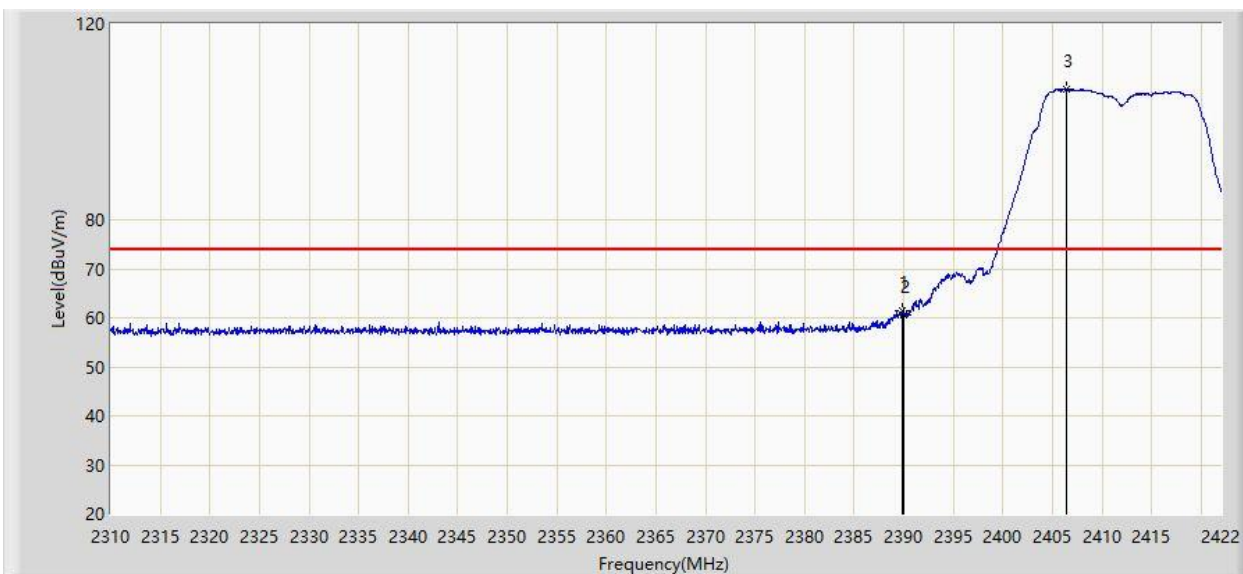


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.168	94.060	61.306	N/A	N/A	32.754	AV
2			2483.500	44.718	12.068	-9.282	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:17
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Aux Antenna	

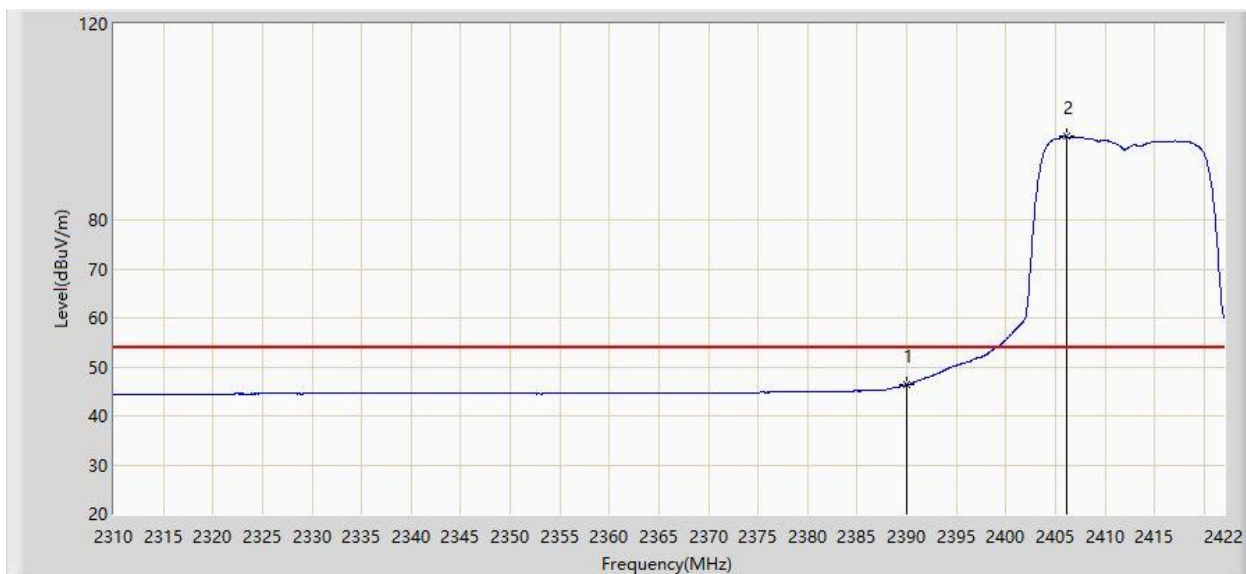


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.912	61.488	28.777	-12.512	74.000	32.711	PK
2			2390.000	60.713	28.001	-13.287	74.000	32.712	PK
3		*	2406.432	106.560	73.823	N/A	N/A	32.738	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:20
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Aux Antenna	

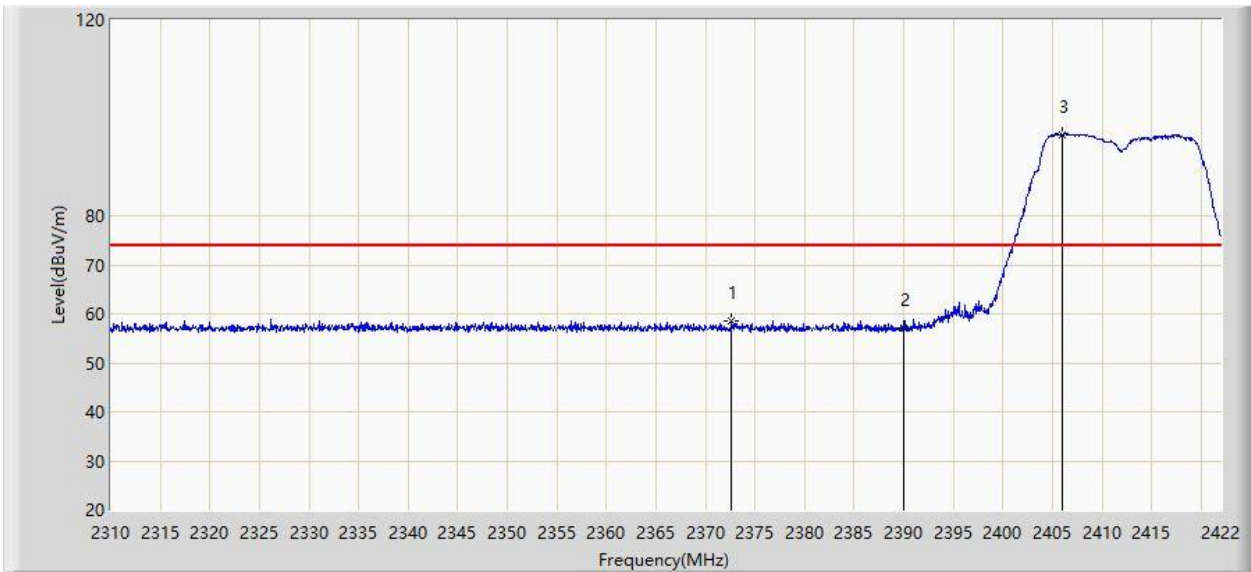


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.300	13.588	-7.700	54.000	32.712	AV
2		*	2406.096	96.981	64.243	N/A	N/A	32.738	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:21
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Aux Antenna	

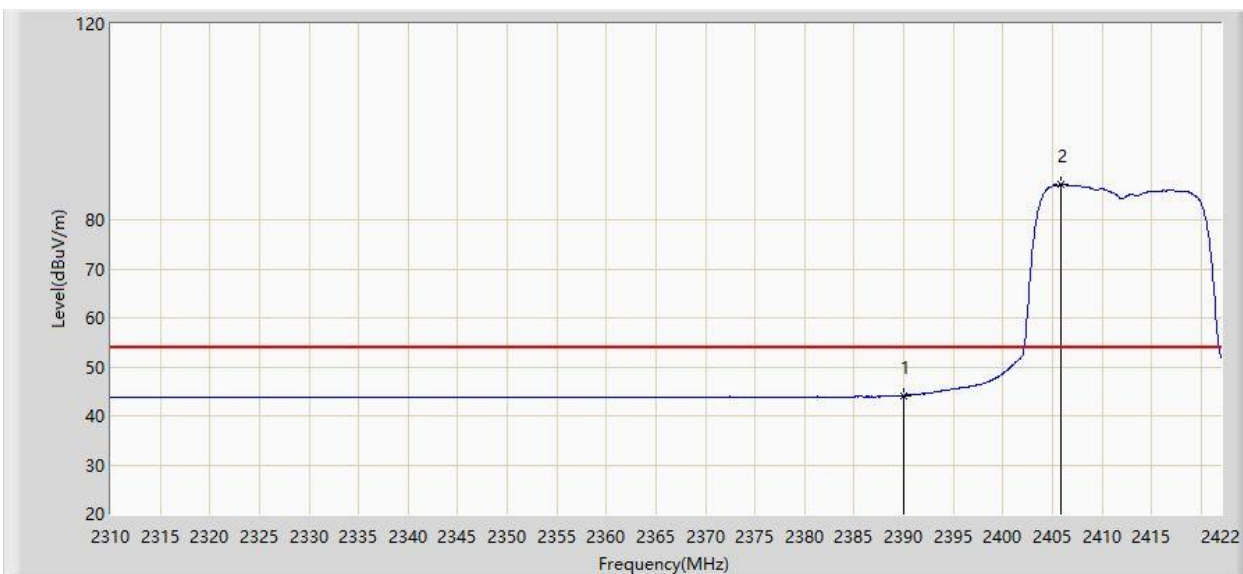


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2372.608	58.407	25.706	-15.593	74.000	32.701	PK
2			2390.000	57.100	24.388	-16.900	74.000	32.712	PK
3		*	2406.040	96.579	63.841	N/A	N/A	32.738	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:24
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2412MHz Aux Antenna	

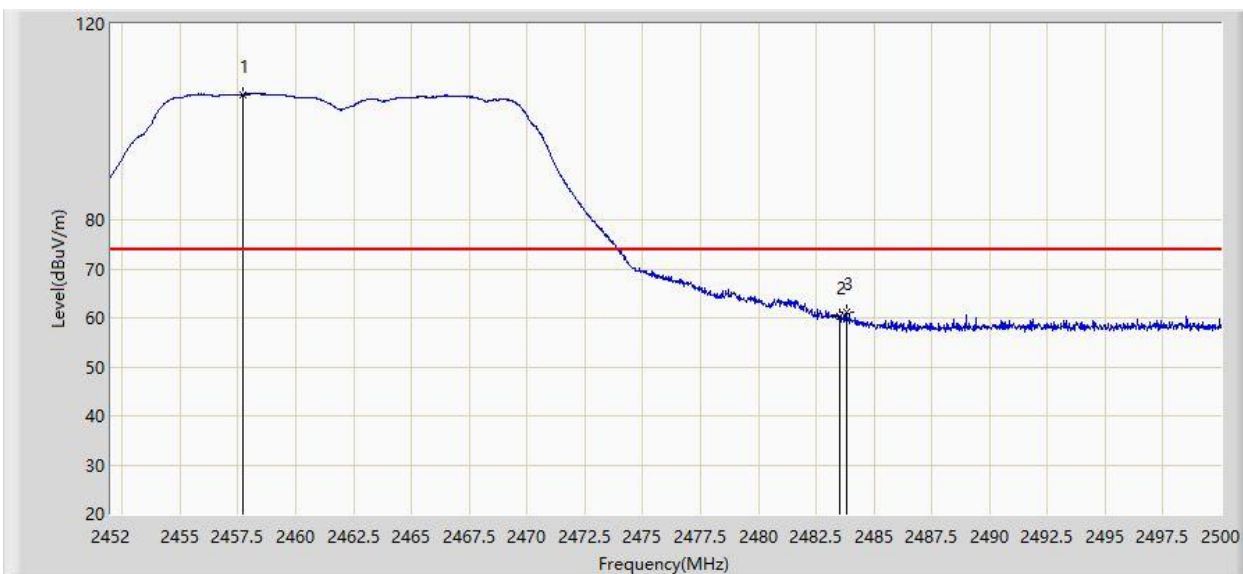


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.135	11.423	-9.865	54.000	32.712	AV
2		*	2405.872	87.239	54.501	N/A	N/A	32.738	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:25
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Aux Antenna	

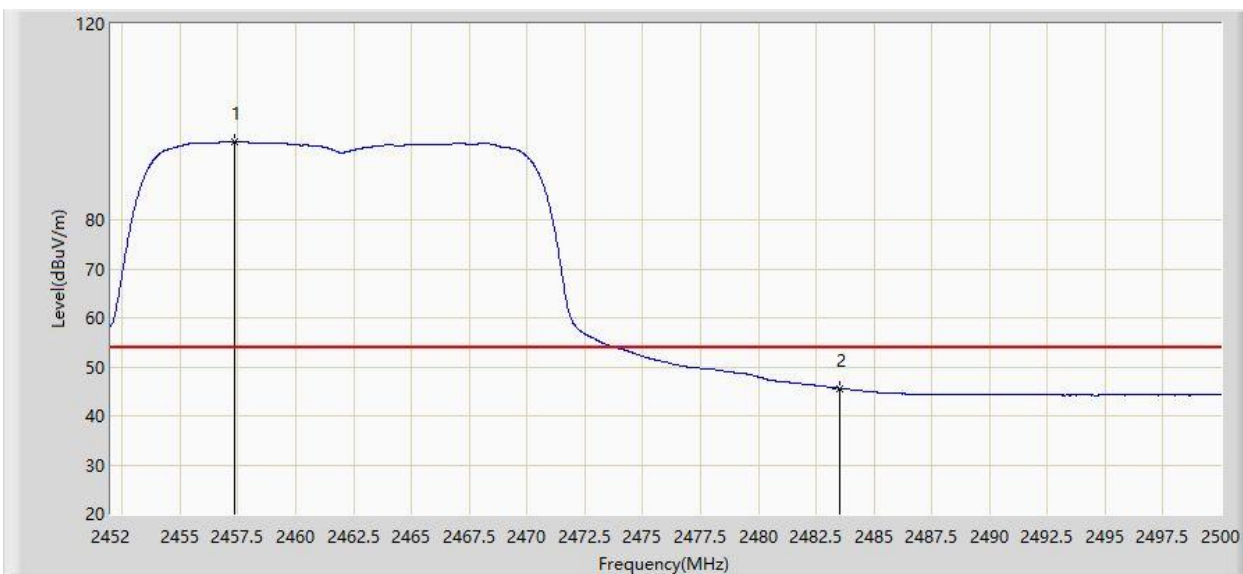


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.712	105.572	72.831	N/A	N/A	32.742	PK
2			2483.500	60.195	27.545	-13.805	74.000	32.651	PK
3			2483.800	61.210	28.562	-12.790	74.000	32.648	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:29
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Aux Antenna	

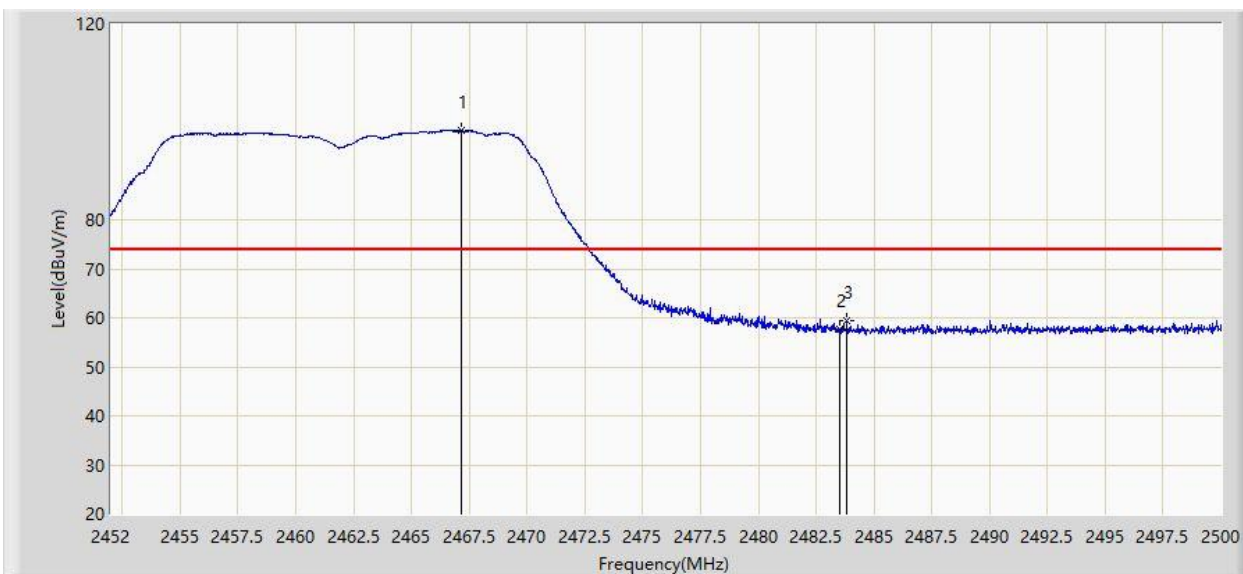


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2457.352	95.936	63.196	N/A	N/A	32.740	AV
2			2483.500	45.640	12.990	-8.360	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:29
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Aux Antenna	

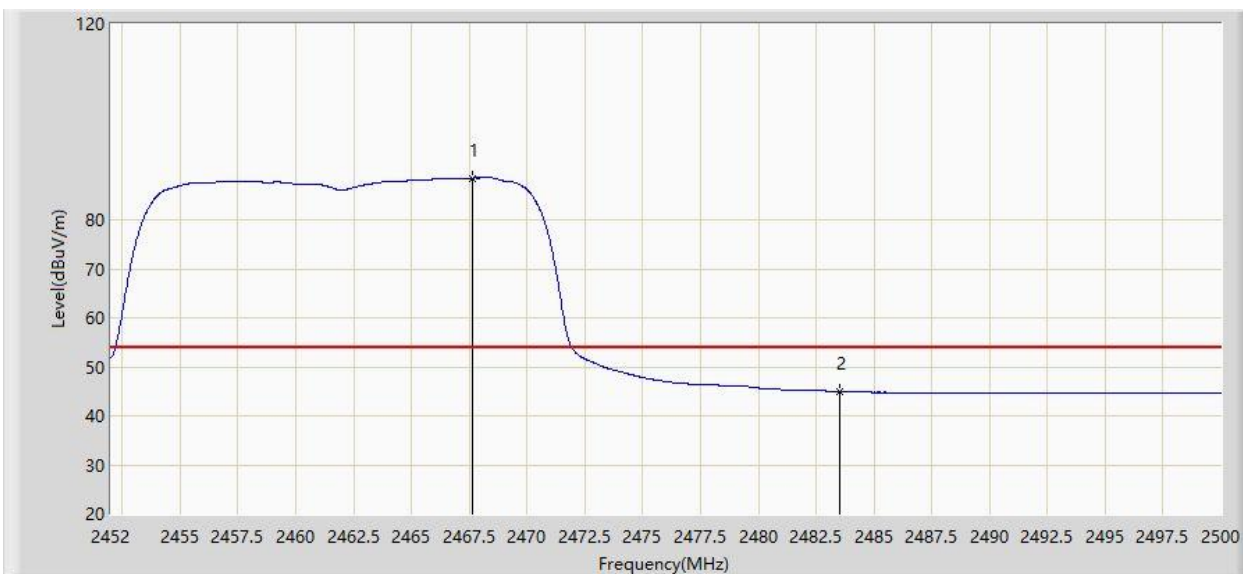


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.144	98.151	65.378	N/A	N/A	32.773	PK
2			2483.500	57.618	24.968	-16.382	74.000	32.651	PK
3			2483.824	59.320	26.672	-14.680	74.000	32.647	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:32
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11g at Channel 2462MHz Aux Antenna	

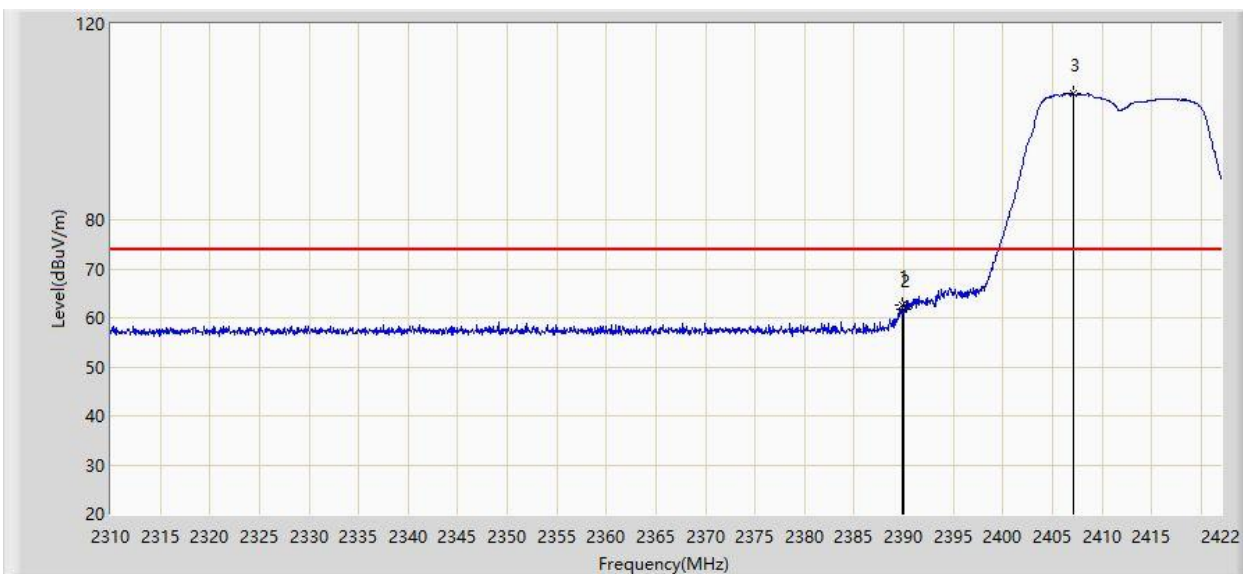


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.648	88.523	55.748	N/A	N/A	32.774	AV
2			2483.500	45.023	12.373	-8.977	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:33
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Aux Antenna	

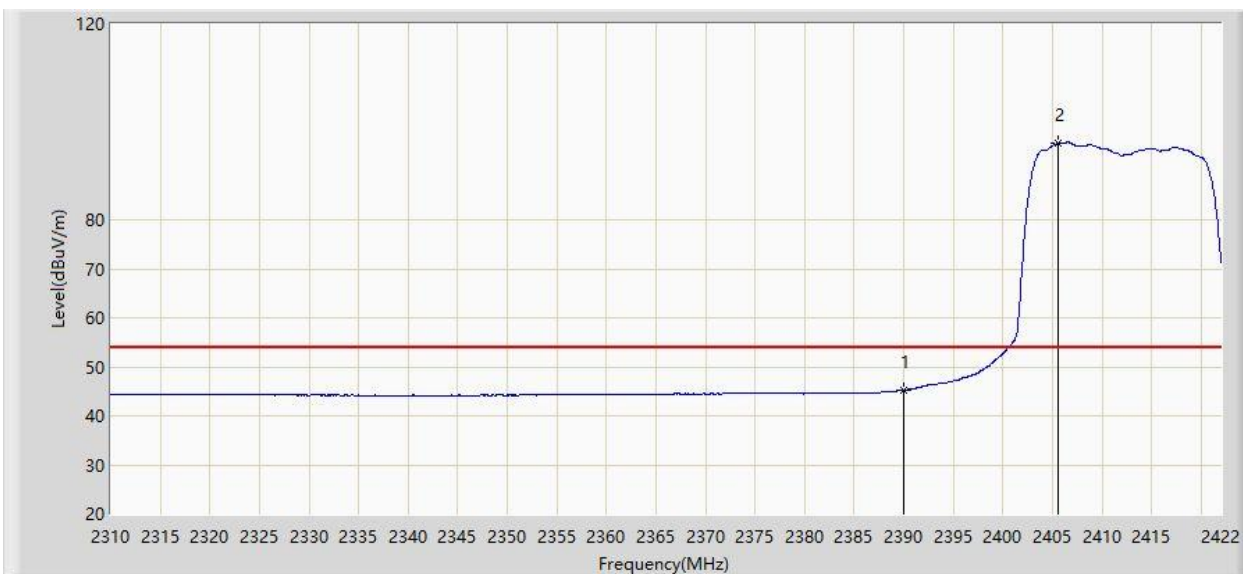


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.856	62.665	29.954	-11.335	74.000	32.711	PK
2			2390.000	61.662	28.950	-12.338	74.000	32.712	PK
3		*	2407.160	105.659	72.923	N/A	N/A	32.736	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:37
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Aux Antenna	

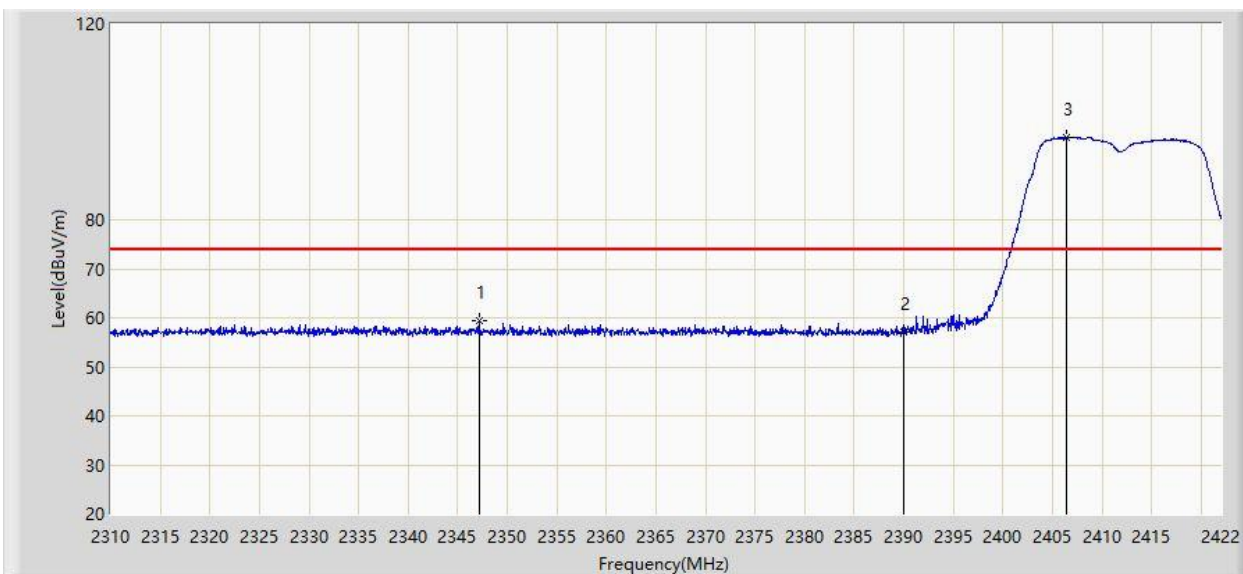


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.313	12.601	-8.687	54.000	32.712	AV
2		*	2405.648	95.629	62.890	N/A	N/A	32.739	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:39
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Aux Antenna	

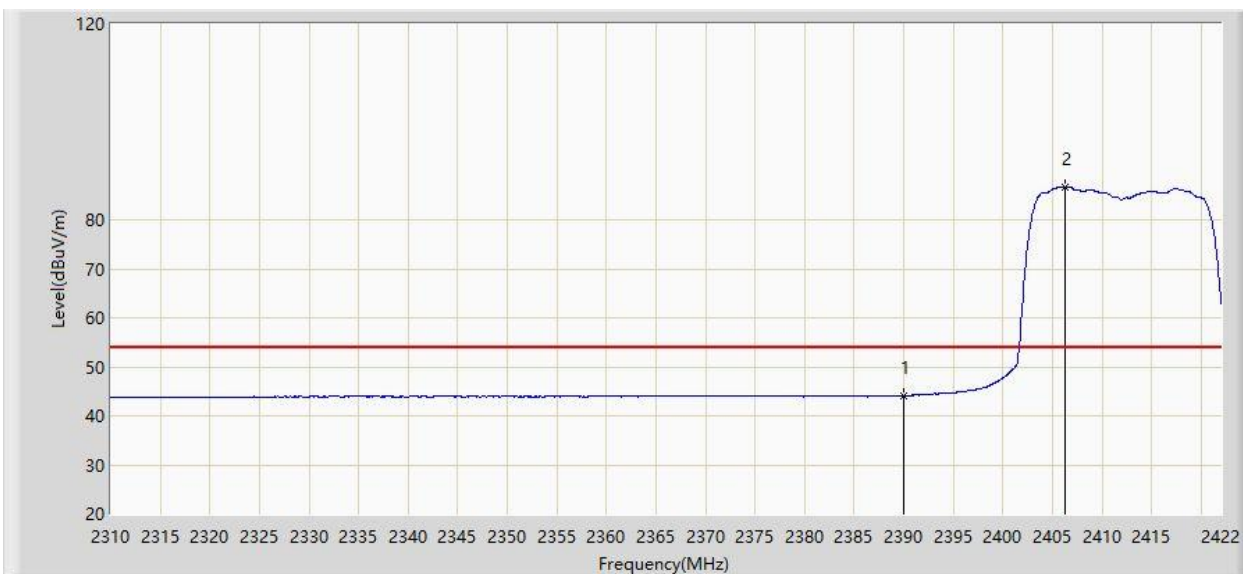


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2347.128	59.330	26.537	-14.670	74.000	32.793	PK
2			2390.000	57.087	24.375	-16.913	74.000	32.712	PK
3		*	2406.432	96.870	64.133	N/A	N/A	32.738	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:42
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2412MHz Aux Antenna	

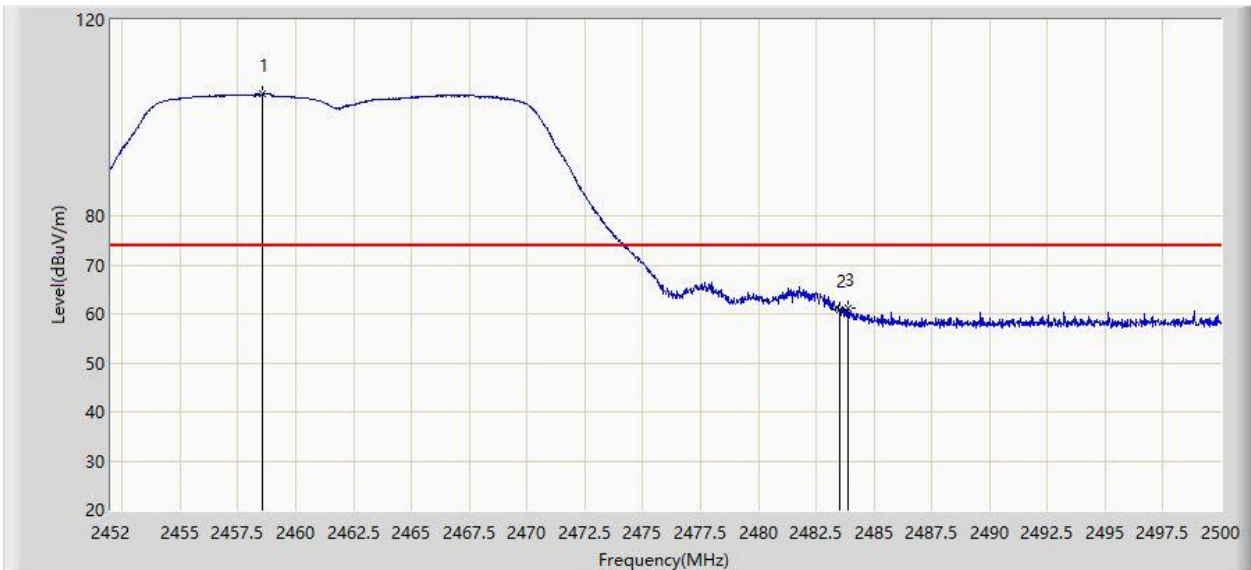


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.085	11.373	-9.915	54.000	32.712	AV
2		*	2406.264	86.750	54.012	N/A	N/A	32.738	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:43
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Aux Antenna	

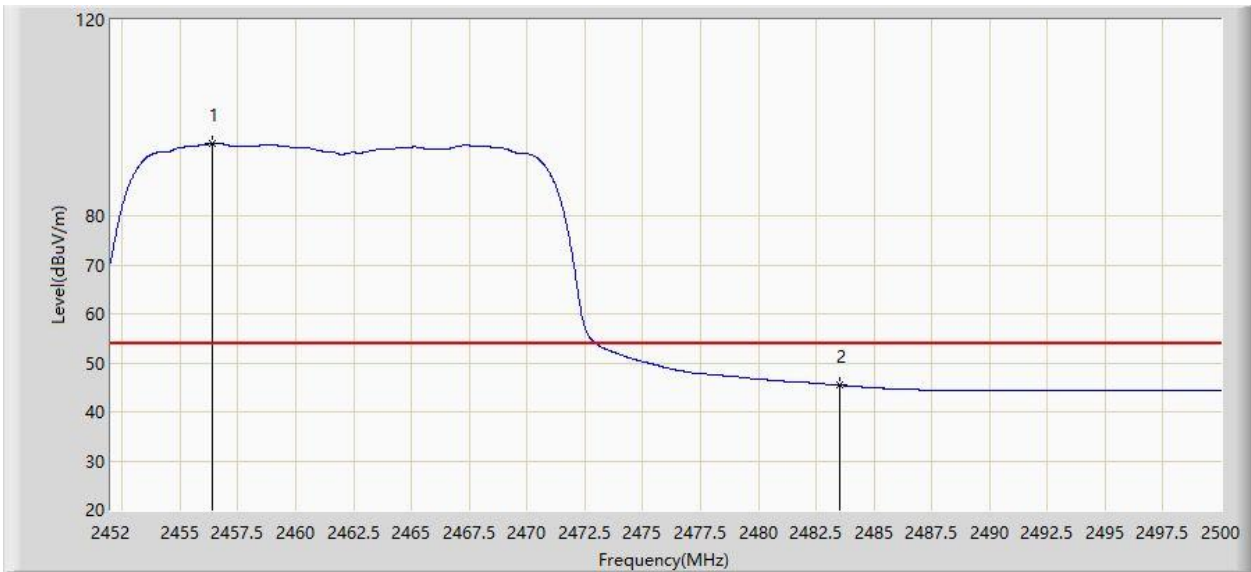


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.576	104.940	72.195	N/A	N/A	32.745	PK
2			2483.500	60.860	28.210	-13.140	74.000	32.651	PK
3			2483.896	61.280	28.633	-12.720	74.000	32.647	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:48
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Aux Antenna	

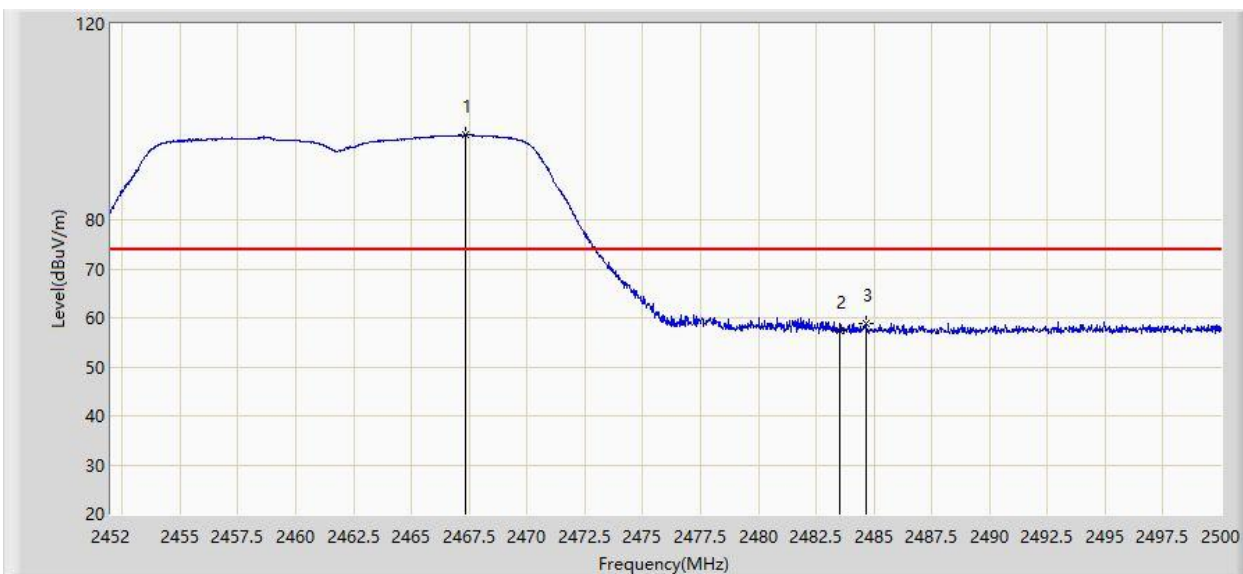


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.392	94.696	61.959	N/A	N/A	32.737	AV
2			2483.500	45.462	12.812	-8.538	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:49
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Aux Antenna	

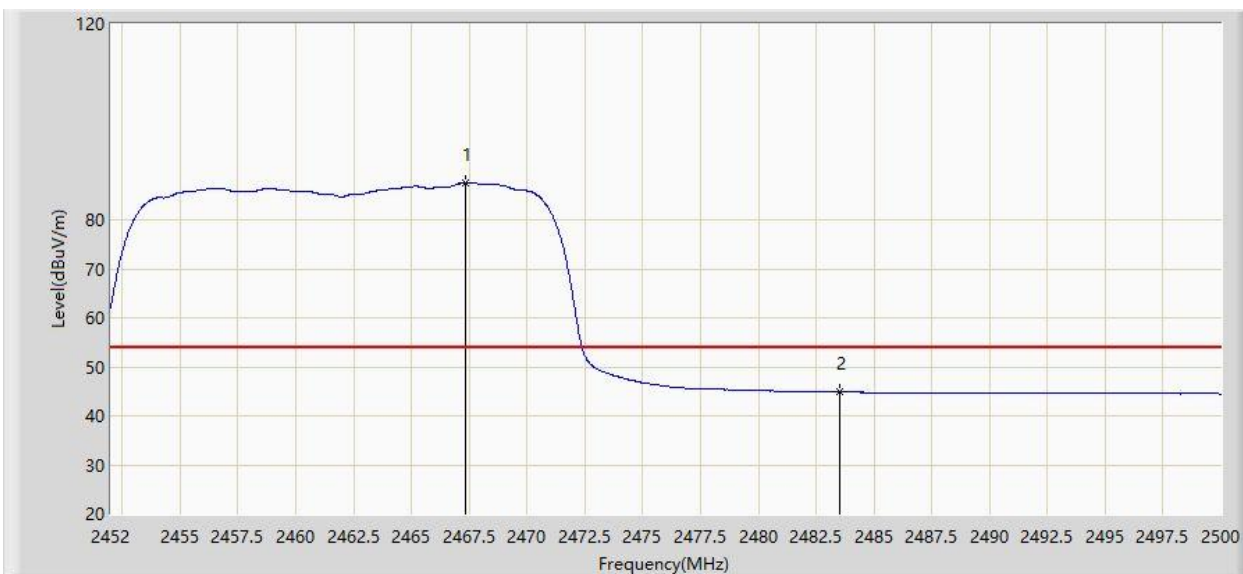


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.360	97.292	64.518	N/A	N/A	32.774	PK
2			2483.500	57.393	24.743	-16.607	74.000	32.651	PK
3			2484.688	58.939	26.299	-15.061	74.000	32.640	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:52
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 2462MHz Aux Antenna	

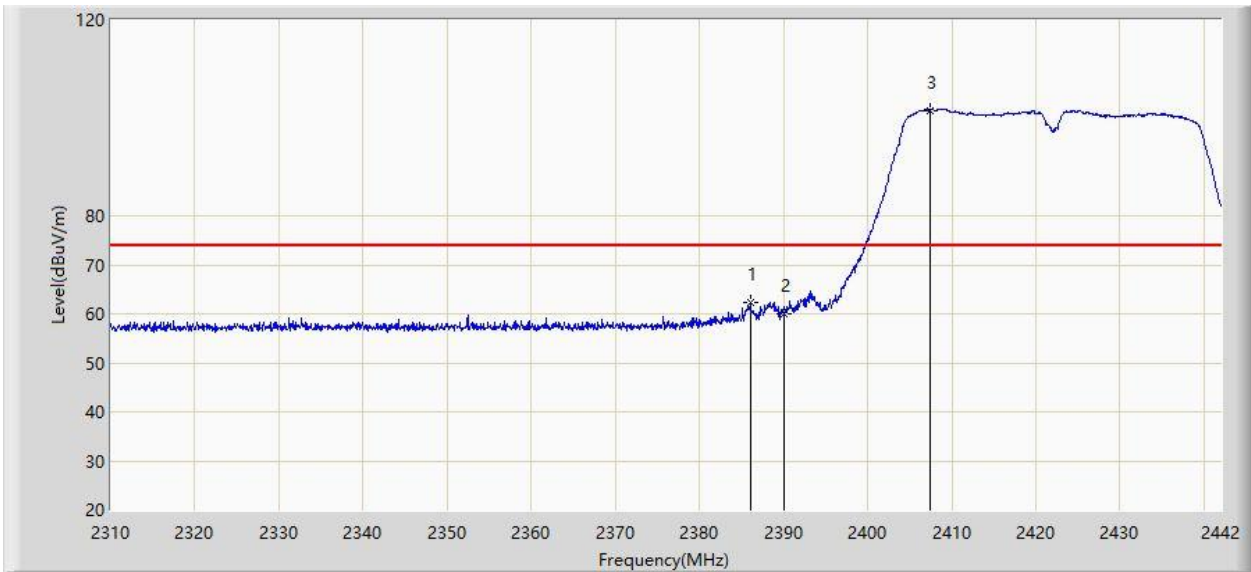


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.360	87.462	54.688	N/A	N/A	32.774	AV
2			2483.500	44.812	12.162	-9.188	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:53
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Aux Antenna	

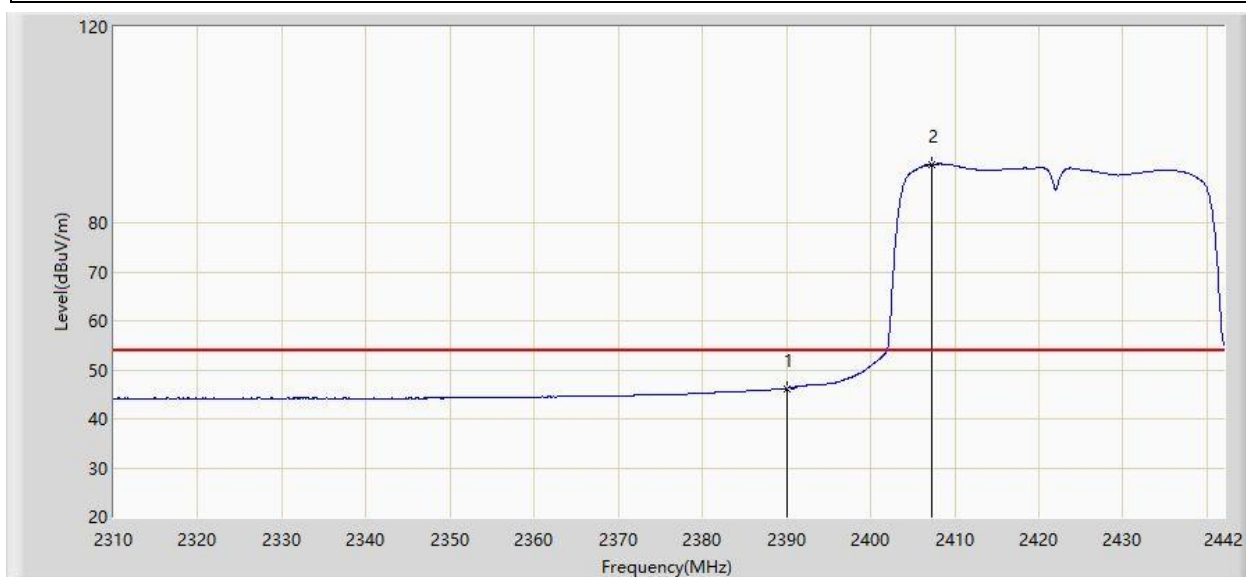


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.098	62.398	29.704	-11.602	74.000	32.694	PK
2			2390.000	59.894	27.182	-14.106	74.000	32.712	PK
3		*	2407.416	101.586	68.850	N/A	N/A	32.736	PK

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

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

Site: AC1	Time: 2020/08/07 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Aux Antenna	

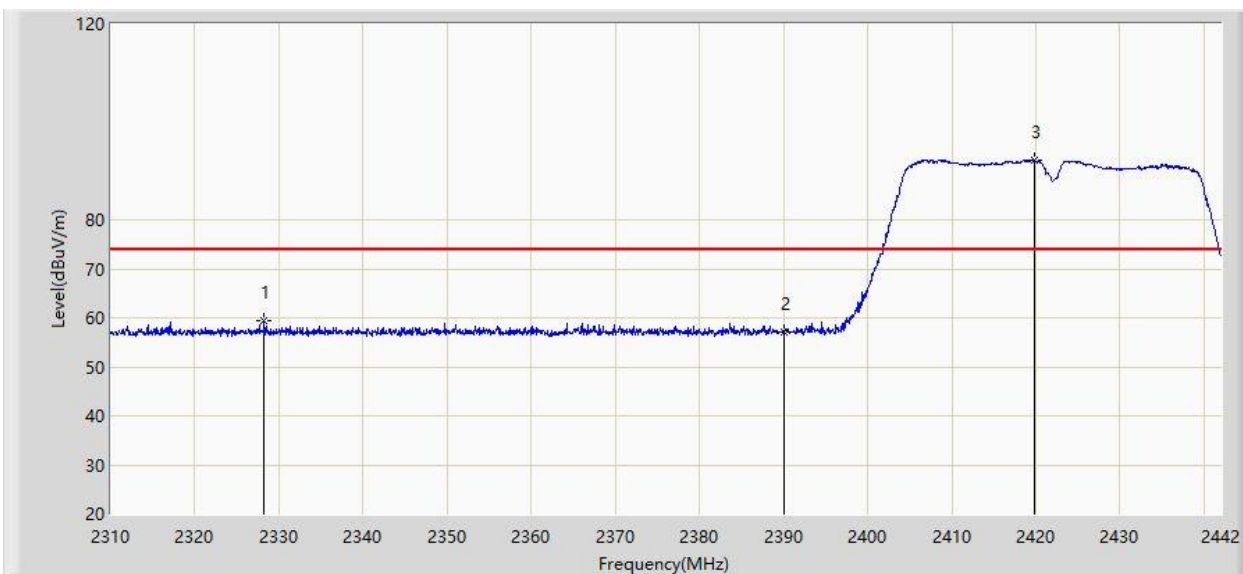


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.194	13.482	-7.806	54.000	32.712	AV
2		*	2407.218	91.911	59.175	N/A	N/A	32.736	AV

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

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

Site: AC1	Time: 2020/08/07 - 11:59
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Aux Antenna	

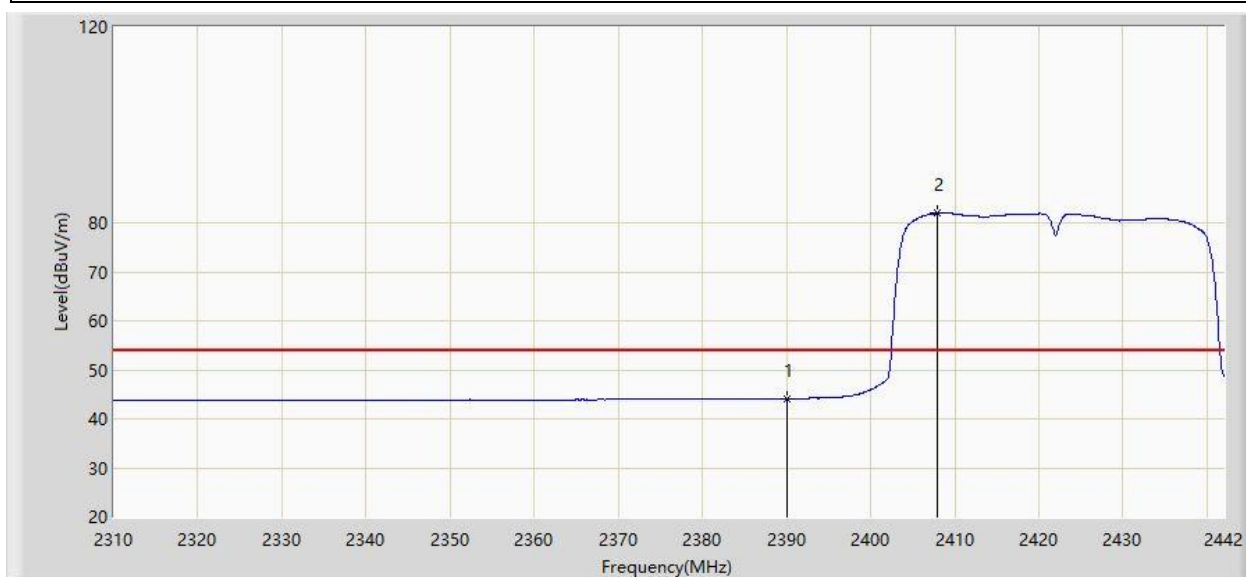


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2328.216	59.454	26.685	-14.546	74.000	32.769	PK
2			2390.000	57.185	24.473	-16.815	74.000	32.712	PK
3		*	2419.758	92.236	59.503	N/A	N/A	32.733	PK

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

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

Site: AC1	Time: 2020/08/07 - 12:02
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2422MHz Aux Antenna	

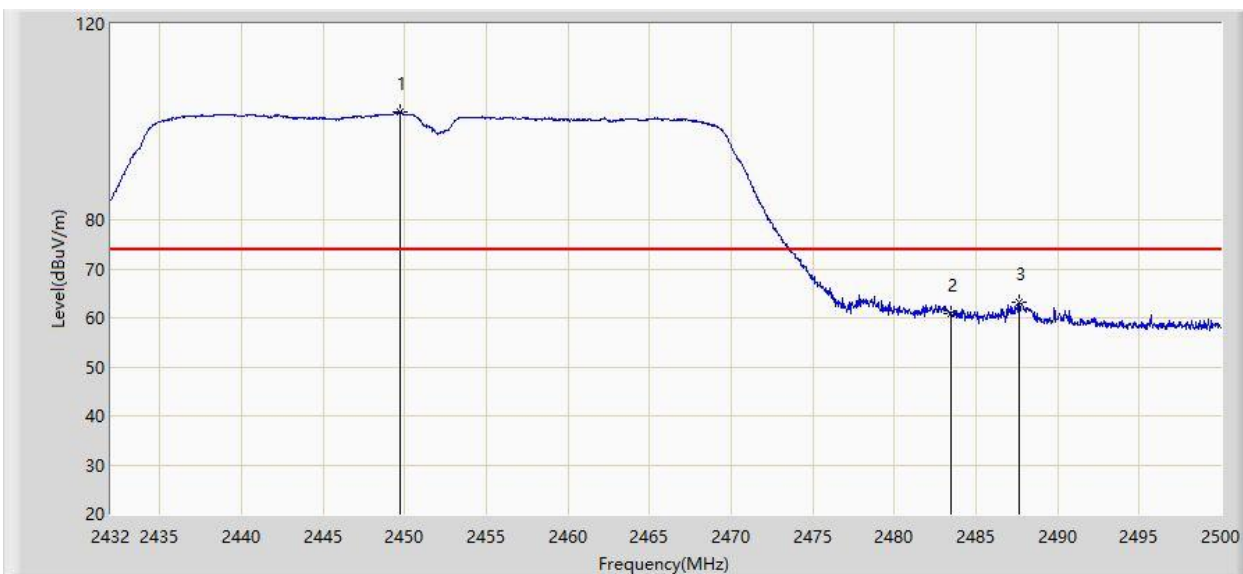


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	44.113	11.401	-9.887	54.000	32.712	AV
2		*	2407.878	81.967	49.232	N/A	N/A	32.735	AV

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

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

Site: AC1	Time: 2020/08/07 - 12:03
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Aux Antenna	

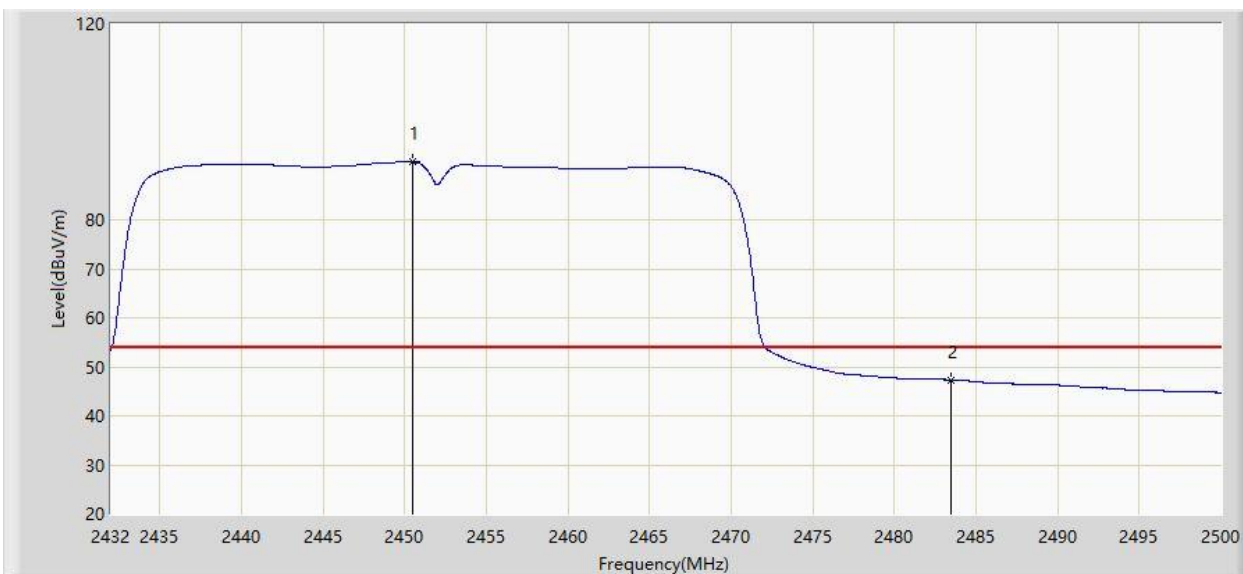


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.748	101.900	69.176	N/A	N/A	32.725	PK
2			2483.500	60.859	28.209	-13.141	74.000	32.651	PK
3			2487.624	63.244	30.629	-10.756	74.000	32.615	PK

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

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

Site: AC1	Time: 2020/08/07 - 12:06
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Aux Antenna	

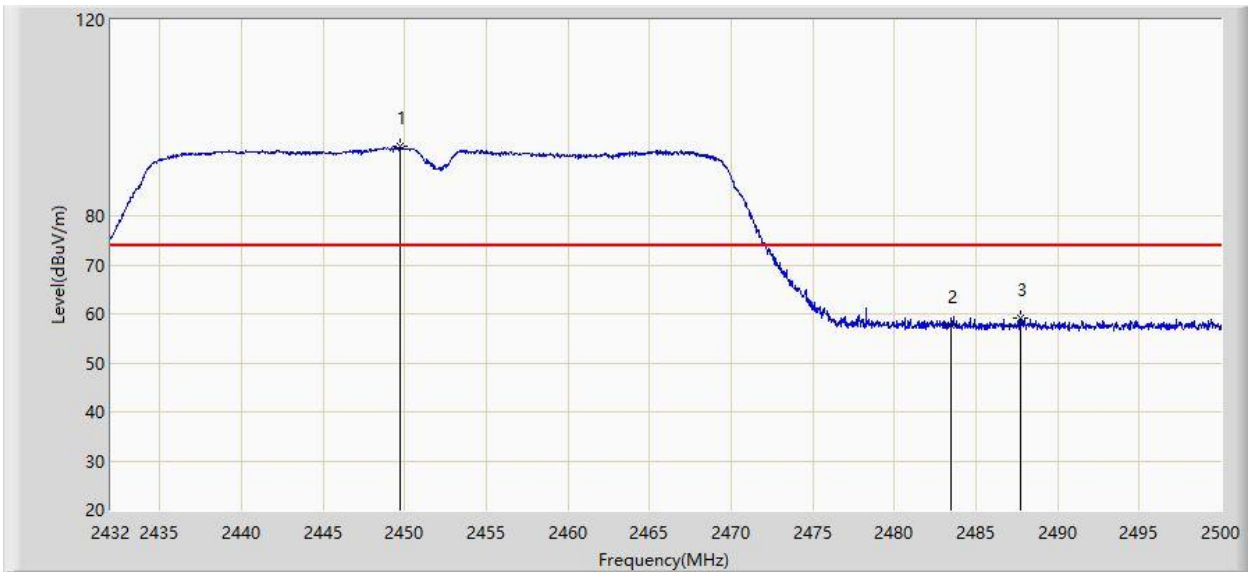


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2450.462	91.840	59.117	N/A	N/A	32.723	AV
2			2483.500	47.329	14.679	-6.671	54.000	32.651	AV

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

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

Site: AC1	Time: 2020/08/07 - 12:08
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Aux Antenna	

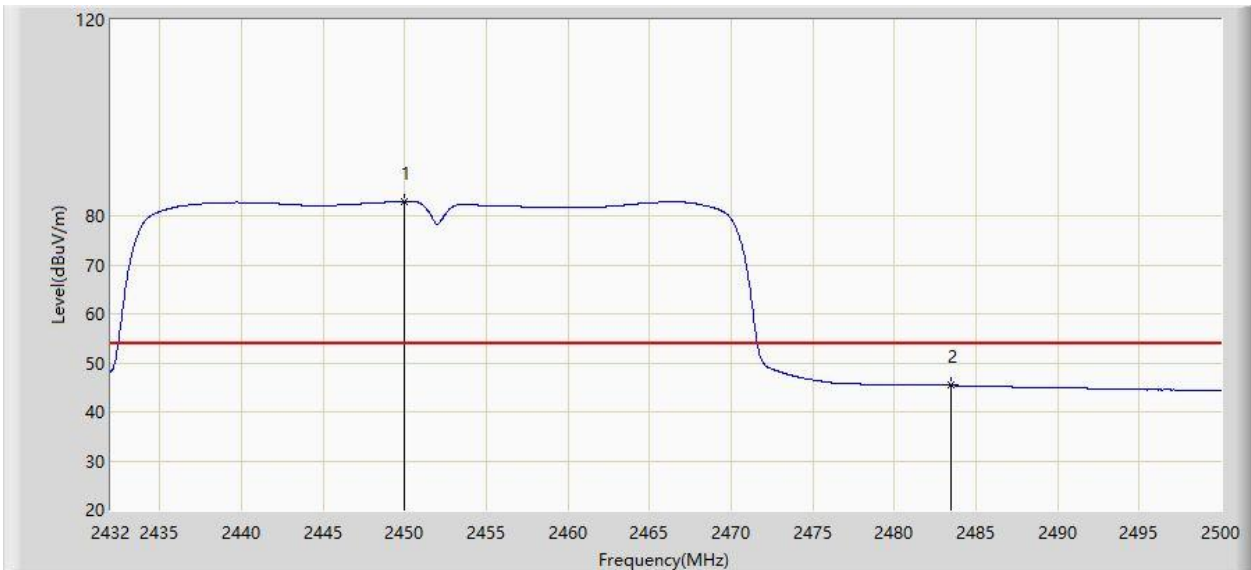


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.714	94.132	61.407	N/A	N/A	32.725	PK
2			2483.500	57.698	25.048	-16.302	74.000	32.651	PK
3			2487.760	59.269	26.654	-14.731	74.000	32.615	PK

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

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

Site: AC1	Time: 2020/08/07 - 12:10
Limit: FCC_Part15.209_RE(3m)	Engineer: David Lv
AC1_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: Notebook	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 2452MHz Aux Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.952	82.978	50.254	N/A	N/A	32.724	AV
2			2483.500	45.397	12.747	-8.603	54.000	32.651	AV

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

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

6.8. AC Conducted Emissions Measurement

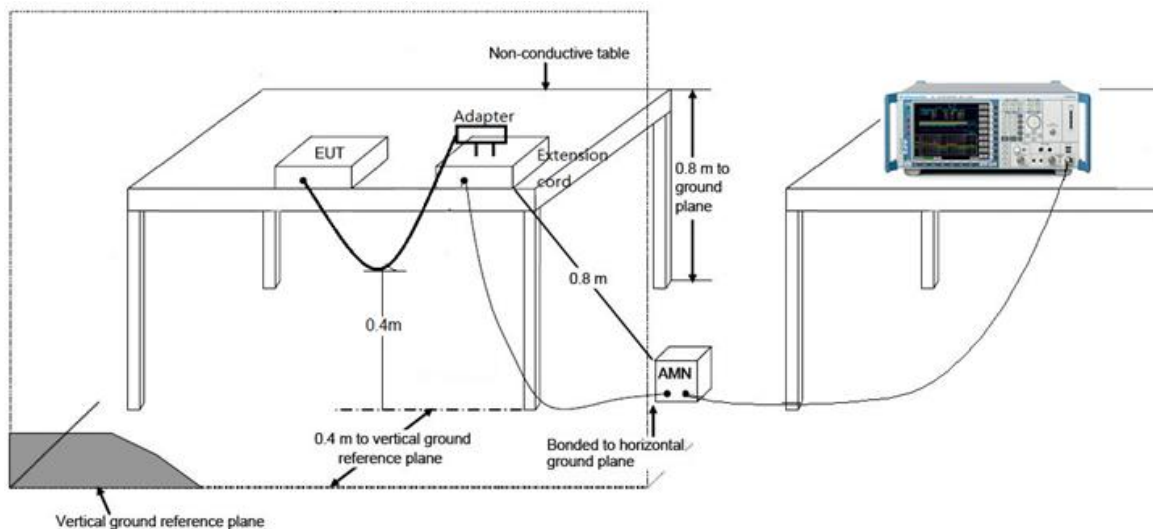
6.8.1. Test Limit

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.

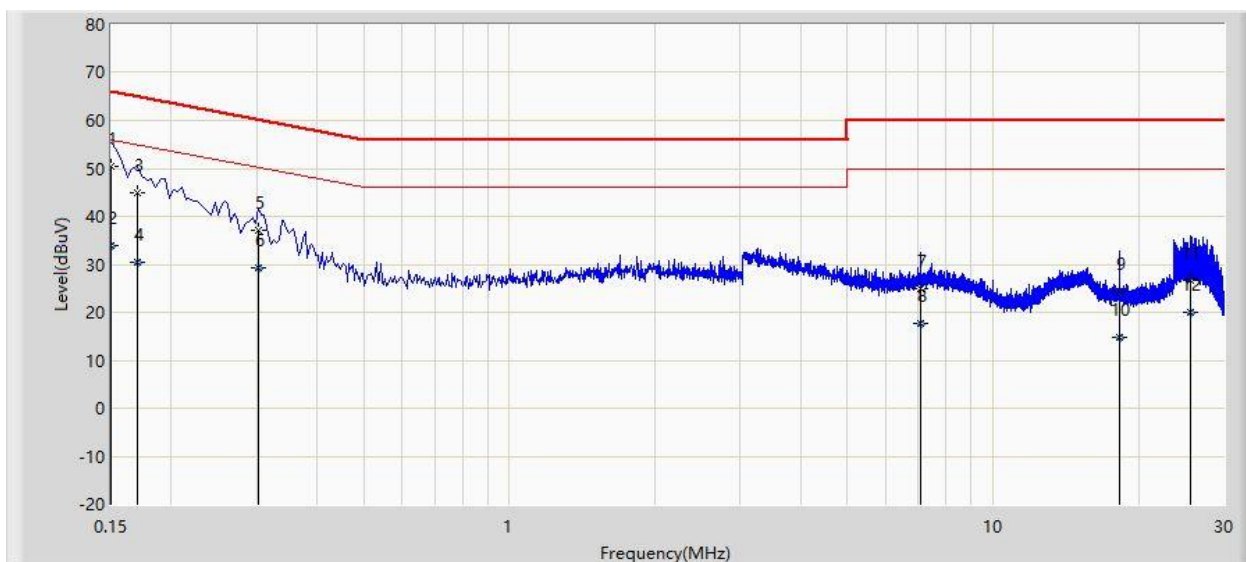
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.8.2. Test Setup



6.8.3.Test Result

Site: SR2	Time: 2020/07/30 - 17:27
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: Notebook	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2412MHz Main Antenna	

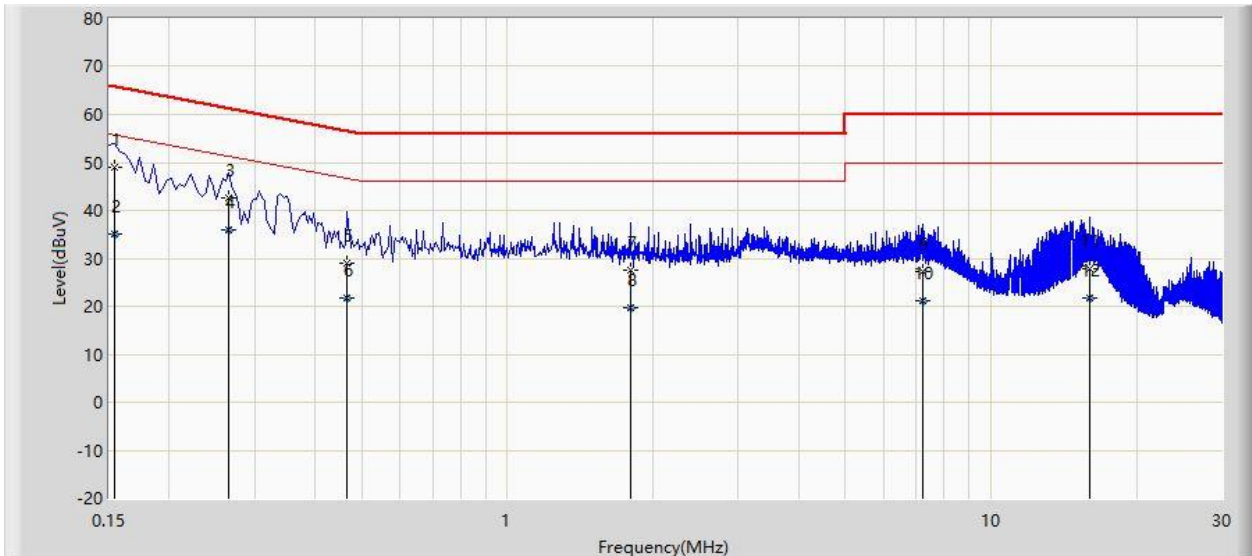


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	50.470	39.705	-15.530	66.000	10.766	QP
2			0.150	34.043	23.277	-21.957	56.000	10.766	AV
3			0.170	44.978	34.811	-19.982	64.960	10.167	QP
4			0.170	30.403	20.235	-24.558	54.960	10.167	AV
5			0.302	37.003	27.264	-23.184	60.188	9.739	QP
6			0.302	29.385	19.645	-20.803	50.188	9.739	AV
7			7.070	24.852	15.102	-35.148	60.000	9.750	QP
8			7.070	17.714	7.964	-32.286	50.000	9.750	AV
9			18.306	24.394	14.477	-35.606	60.000	9.917	QP
10			18.306	14.762	4.845	-35.238	50.000	9.917	AV
11			25.602	26.704	16.745	-33.296	60.000	9.958	QP
12			25.602	20.105	10.147	-29.895	50.000	9.958	AV

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

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

Site: SR2	Time: 2020/07/30 - 17:33
Limit: FCC_Part15.207_CE_AC Power	Engineer: Liz Yuan
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: Notebook	Power: AC 120V/60Hz
Note: Transmit by 802.11b at Channel 2412MHz Main Antenna	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	49.032	38.377	-16.749	65.781	10.654	QP
2			0.154	35.087	24.433	-20.694	55.781	10.654	AV
3			0.266	42.507	32.849	-18.734	61.242	9.659	QP
4		*	0.266	35.969	26.310	-15.273	51.242	9.659	AV
5			0.466	28.901	18.931	-27.684	56.585	9.971	QP
6			0.466	21.868	11.898	-24.717	46.585	9.971	AV
7			1.798	27.500	17.806	-28.500	56.000	9.695	QP
8			1.798	19.765	10.071	-26.235	46.000	9.695	AV
9			7.206	27.328	17.559	-32.672	60.000	9.769	QP
10			7.206	21.111	11.342	-28.889	50.000	9.769	AV
11			15.954	27.944	17.993	-32.056	60.000	9.951	QP
12			15.954	21.837	11.886	-28.163	50.000	9.951	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 unit is compliance with Part 15C of the FCC Rules.

_____ The End _____

Appendix A - Test Setup Photograph

Refer to “2007RSU054-UT” file.

Appendix B - EUT Photograph

Refer to "2007RSU054-UE" file.