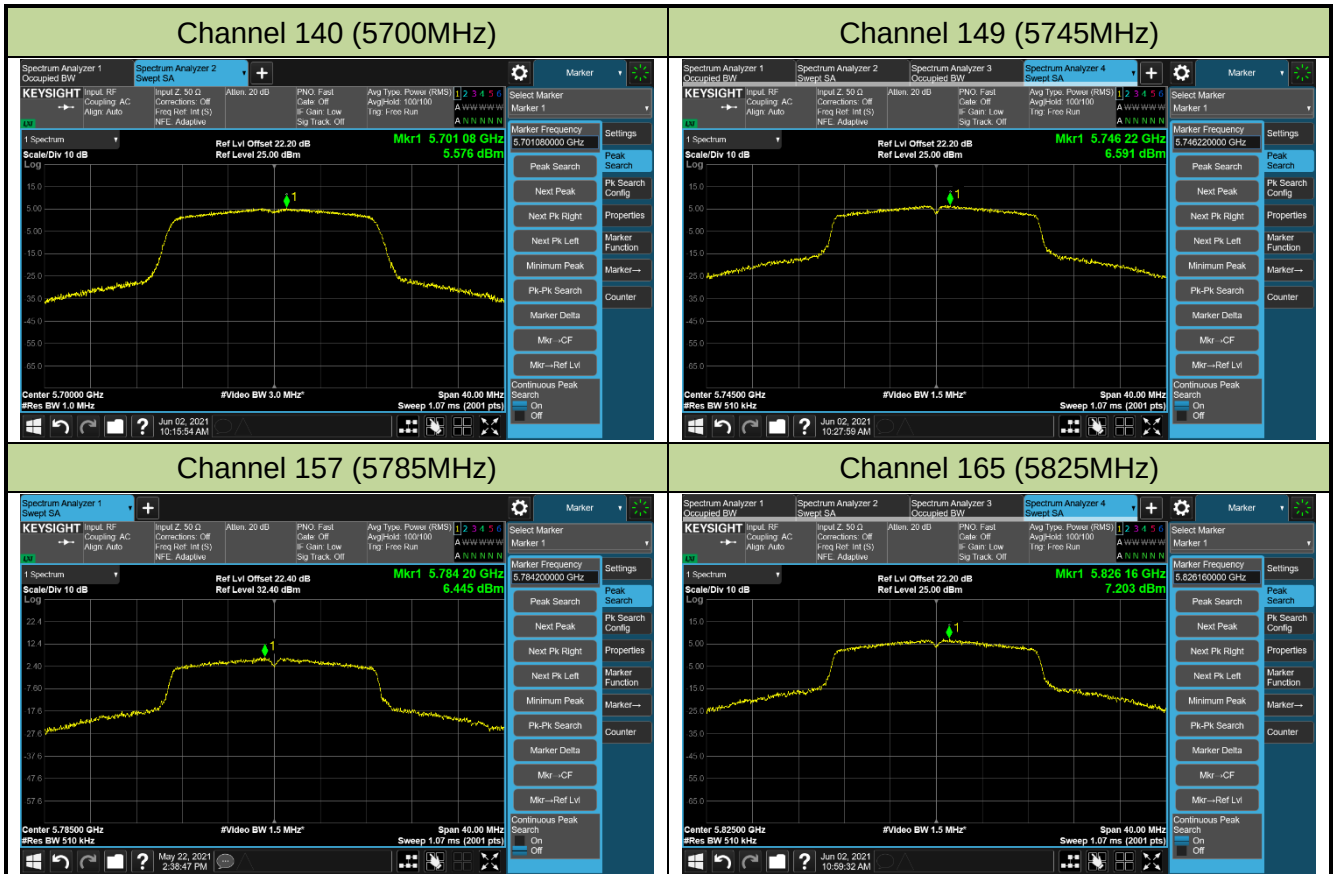
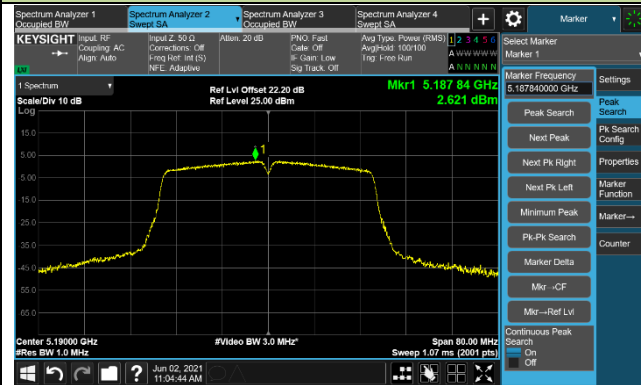




802.11ac-VHT40 Power Spectral Density

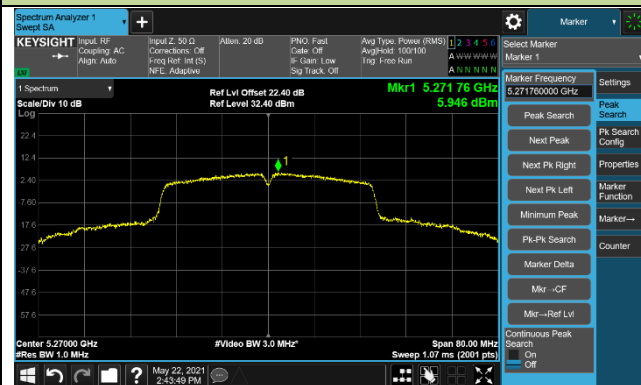
Channel 38 (5190MHz)



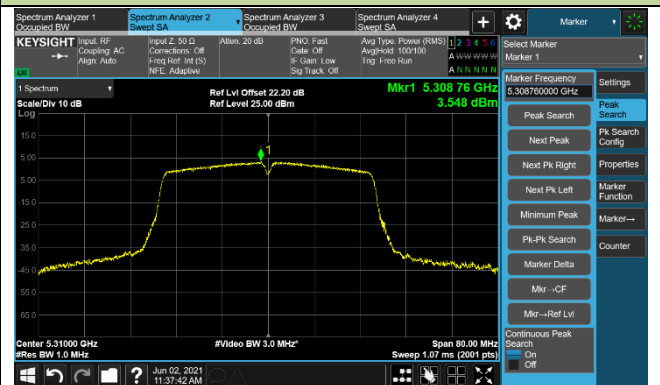
Channel 46 (5230MHz)



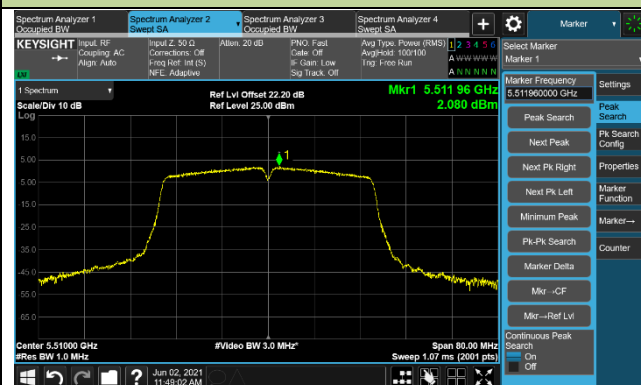
Channel 54 (5270MHz)



Channel 62 (5310MHz)



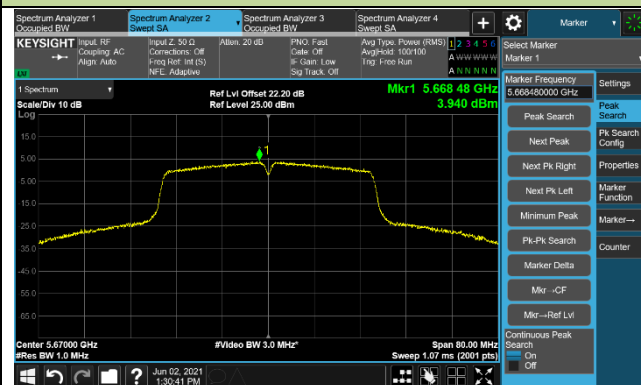
Channel 102 (5510MHz)



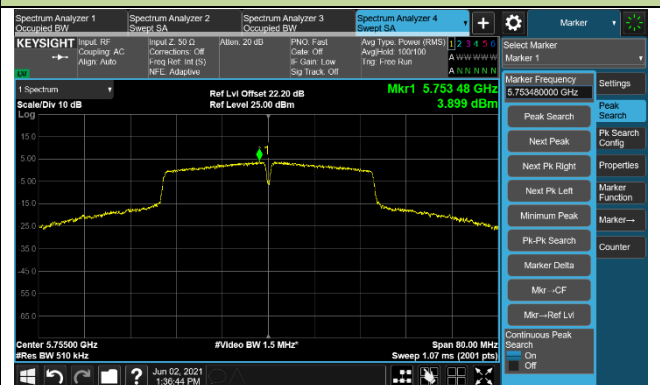
Channel 110 (5550MHz)



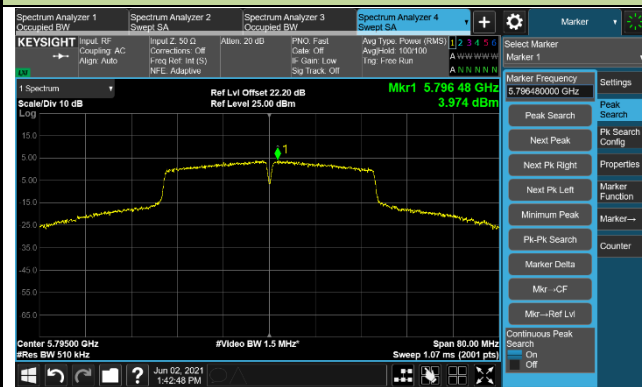
Channel 134 (5670MHz)



Channel 151 (5755MHz)

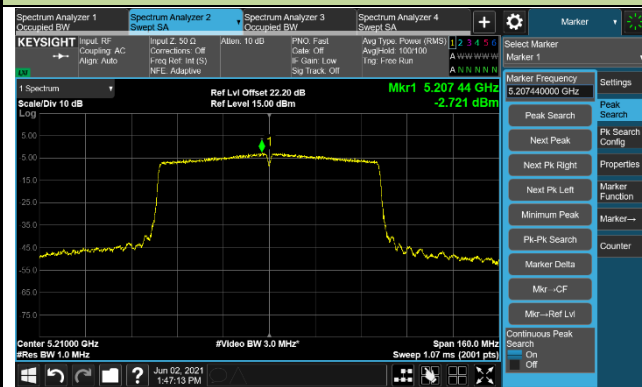


Channel 159 (5795MHz)

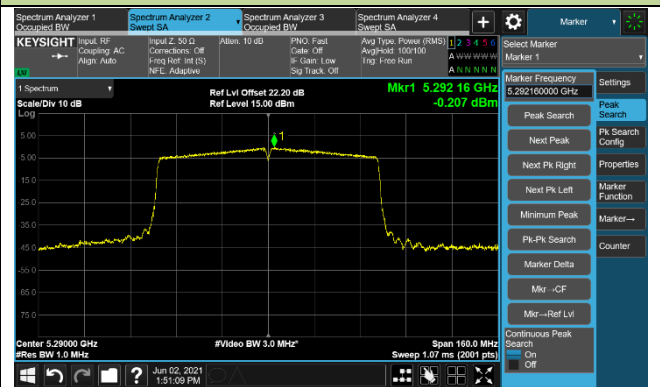


802.11ac-VHT80 Power Spectral Density

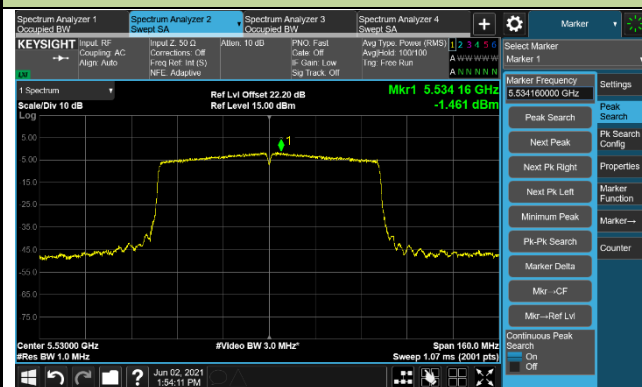
Channel 42 (5210MHz)



Channel 58 (5290MHz)



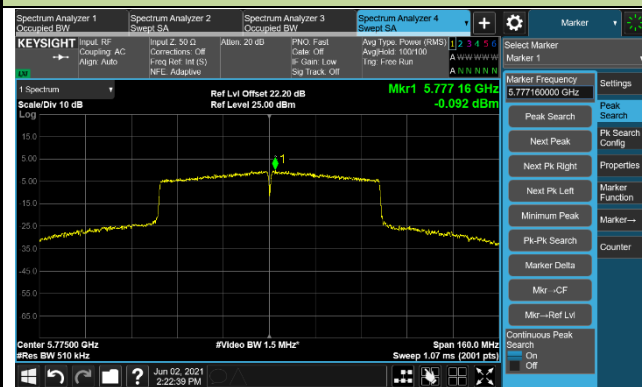
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 155 (5775MHz)



7.7. Frequency Stability Measurement

7.7.1. Test Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5GHz band (IEEE 802.11 specification).

7.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

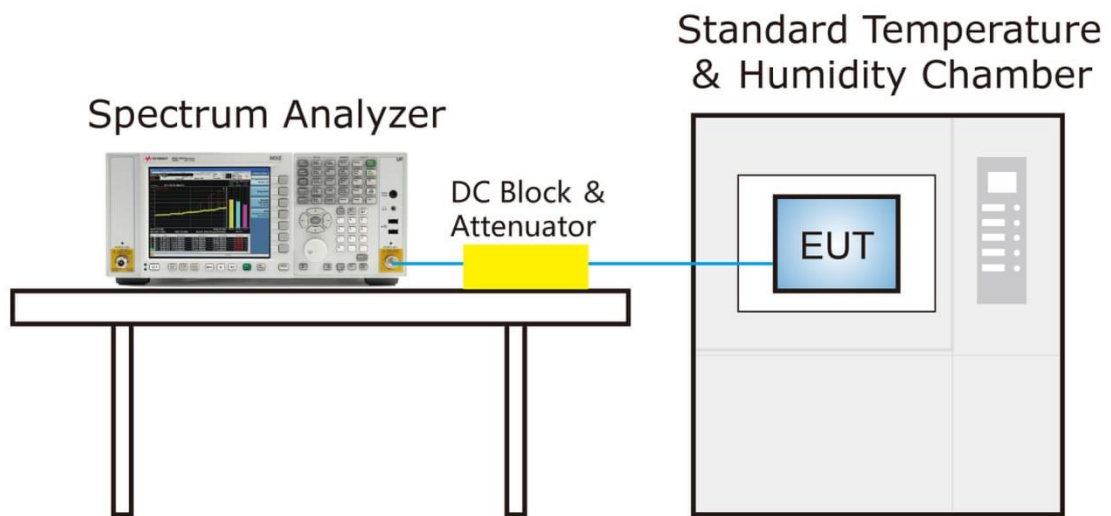
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Product	AC750 Wi-Fi Range Extender	Temperature	24°C
Test Engineer	Eric Lin	Relative Humidity	45%RH
Test Site	SR2	Test Date	2021/06/03
Test Mode	5180MHz (Carrier Mode)		

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	0	-28.96	-28.96	-32.82	-15.44
		+ 10	-27.03	-30.89	-17.37	-27.03
		+ 20	-21.24	-15.44	-30.89	-30.89
		+ 30	-27.03	-28.96	-32.82	-19.31
		+ 40	-27.03	-40.54	-28.96	-19.31
115%	138	+ 20	-30.89	-25.10	-19.31	-36.68
85%	102	+ 20	-23.17	-46.33	-19.31	-25.10

Note: Frequency Tolerance (ppm) = {[Measured Frequency (Hz) - Declared Frequency (Hz)] / Declared Frequency (Hz)} *10⁶.

7.8. Radiated Spurious Emission Measurement

7.8.1.Test Limit

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.8.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

7.8.3.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
>1000 MHz	1 MHz

Quasi-Peak Measurements below 1GHz

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

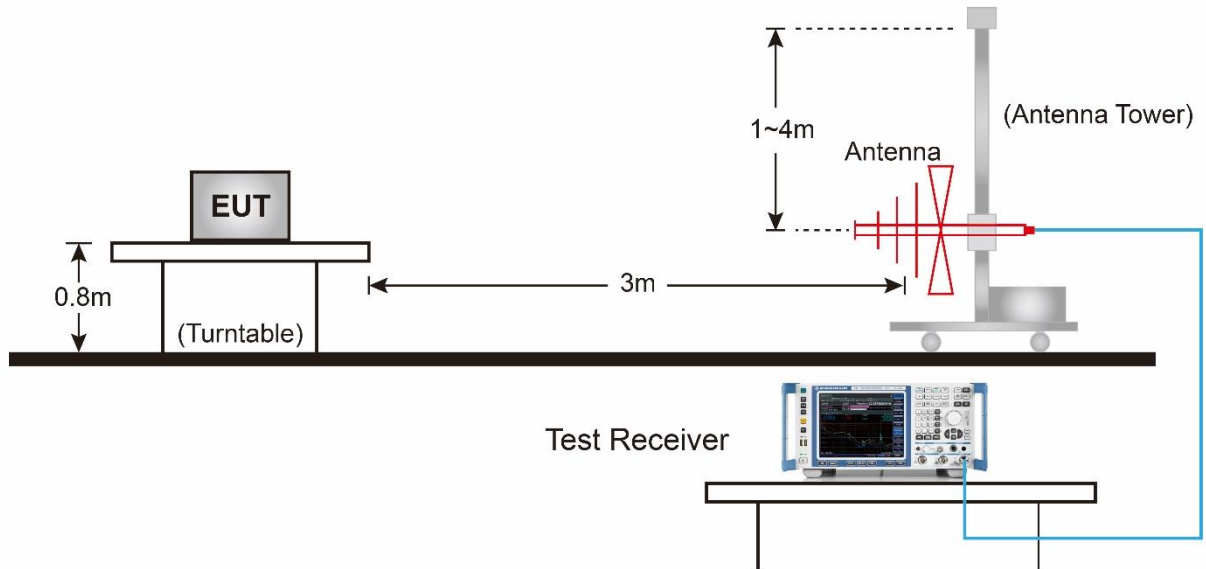
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

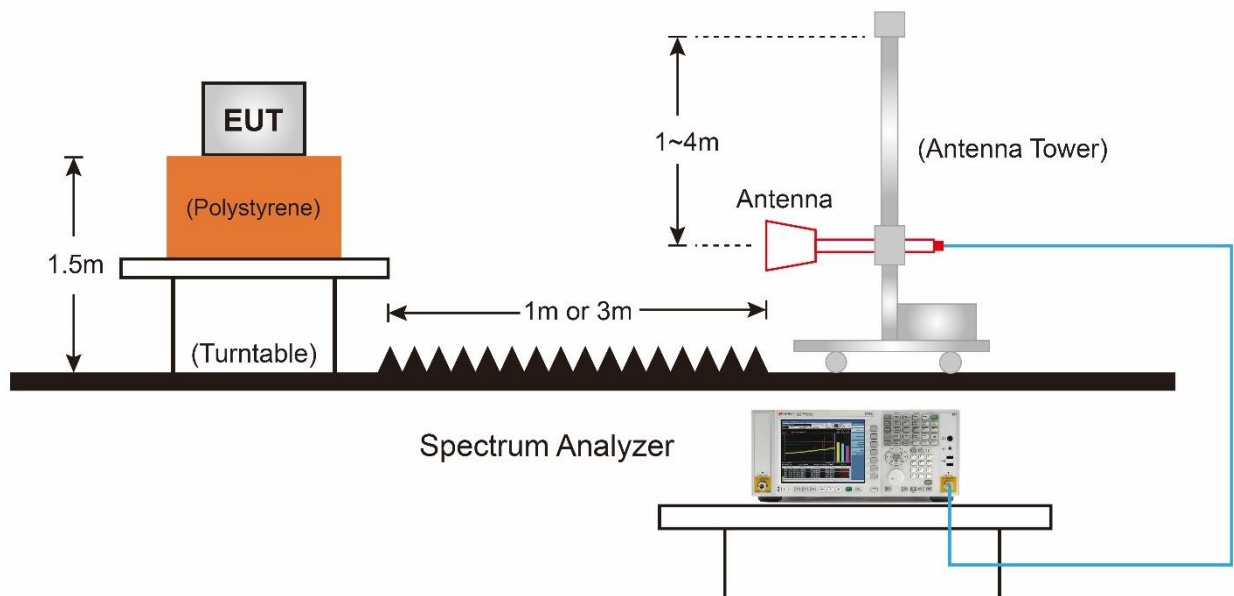
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW = 10 Hz.
If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$. T is the minimum transmission duration.
4.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

7.8.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



7.8.5.Test Result

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	36		
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
*	8947.5	33.1	13.6	46.7	68.2	-21.5	Peak	Horizontal
*	10358.5	41.7	16.6	58.3	68.2	-9.9	Peak	Horizontal
	11922.5	31.9	17.9	49.8	74.0	-24.2	Peak	Horizontal
	15539.6	39.2	21.4	60.6	74.0	-13.4	Peak	Horizontal
	15539.6	26.6	21.4	48.0	54.0	-6.0	Average	Horizontal
*	8539.5	33.3	12.6	45.9	68.2	-22.3	Peak	Vertical
*	10358.5	41.4	16.6	58.0	68.2	-10.2	Peak	Vertical
	11795.0	31.0	18.1	49.1	74.0	-24.9	Peak	Vertical
	15537.3	36.0	21.4	57.4	74.0	-16.6	Peak	Vertical
	15537.3	25.3	21.4	46.7	54.0	-7.3	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	44		
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
*	8913.5	31.9	13.5	45.4	68.2	-22.8	Peak	Horizontal
*	10443.5	42.1	16.9	59.0	68.2	-9.2	Peak	Horizontal
	11897.0	30.5	17.9	48.4	74.0	-25.6	Peak	Horizontal
	15659.8	38.6	21.2	59.8	74.0	-14.2	Peak	Horizontal
	15659.8	28.3	21.2	49.5	54.0	-4.5	Average	Horizontal
*	8726.5	31.6	13.0	44.6	68.2	-23.6	Peak	Vertical
*	10435.0	39.5	16.8	56.3	68.2	-11.9	Peak	Vertical
	11786.5	31.3	18.1	49.4	74.0	-24.6	Peak	Vertical
	15730.5	34.4	21.2	55.6	74.0	-18.4	Peak	Vertical
	15730.5	30.4	21.1	51.5	54.0	-2.5	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	48		
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
*	8769.0	33.3	13.1	46.4	68.2	-21.8	Peak	Horizontal
*	10477.5	43.1	17.0	60.1	68.2	-8.1	Peak	Horizontal
	12143.5	34.4	17.8	52.2	74.0	-21.8	Peak	Horizontal
	15719.7	35.1	21.1	56.2	74.0	-17.8	Peak	Horizontal
	15719.7	26.6	21.1	47.7	54.0	-6.3	Average	Horizontal
*	8828.5	33.9	13.3	47.2	68.2	-21.0	Peak	Vertical
*	10477.5	40.0	17.0	57.0	68.2	-11.2	Peak	Vertical
	11633.5	34.1	18.3	52.4	74.0	-21.6	Peak	Vertical
	15719.6	35.9	21.1	57.0	74.0	-17.0	Peak	Vertical
	15719.6	26.1	21.1	47.2	54.0	-6.8	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	52		
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
*	8828.5	33.9	13.3	47.2	68.2	-21.0	Peak	Horizontal
*	10520.0	40.1	17.1	57.2	68.2	-11.0	Peak	Horizontal
	11650.5	32.9	18.3	51.2	74.0	-22.8	Peak	Horizontal
	15782.0	37.5	21.0	58.5	74.0	-15.5	Peak	Horizontal
	15782.0	29.3	21.0	50.3	54.0	-3.7	Average	Horizontal
*	8692.5	33.9	12.9	46.8	68.2	-21.4	Peak	Vertical
*	10520.0	41.5	17.1	58.6	68.2	-9.6	Peak	Vertical
	12092.5	33.3	17.8	51.1	74.0	-22.9	Peak	Vertical
	15732.4	37.3	21.0	58.3	74.0	-15.7	Peak	Vertical
	15732.4	29.2	21.1	50.3	54.0	-3.7	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	60		
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
*	8692.5	33.9	12.9	46.8	68.2	-21.4	Peak	Horizontal
*	10520.0	41.5	17.1	58.6	68.2	-9.6	Peak	Horizontal
	12092.5	33.3	17.8	51.2	74.0	-22.8	Peak	Horizontal
	15732.4	37.3	21.0	58.3	74.0	-15.7	Peak	Horizontal
	15732.4	29.2	21.1	50.3	54.0	-3.7	Average	Horizontal
*	8769.0	34.5	13.1	47.6	68.2	-20.6	Peak	Vertical
*	10596.5	40.2	17.2	57.4	68.2	-10.8	Peak	Vertical
	11650.5	34.0	18.3	52.3	74.0	-21.7	Peak	Vertical
	15875.0	37.9	20.8	58.7	74.0	-15.3	Peak	Vertical
	15875.0	32.3	20.8	53.1	54.0	-0.9	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	64		
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
*	8675.5	33.4	12.9	46.3	68.2	-21.9	Peak	Horizontal
*	10435.0	34.2	16.8	51.0	68.2	-17.2	Peak	Horizontal
	10641.4	40.1	17.3	57.4	74.0	-16.6	Peak	Horizontal
	10641.4	32.8	17.3	50.1	54.0	-3.9	Average	Horizontal
	15967.4	35.7	20.7	56.4	74.0	-17.6	Peak	Horizontal
	15967.4	28.4	20.7	49.1	54.0	-4.9	Average	Horizontal
*	8777.5	34.2	13.1	47.3	68.2	-20.9	Peak	Vertical
*	10044.0	33.7	15.5	49.2	68.2	-19.0	Peak	Vertical
	10645.7	40.3	17.3	57.6	74.0	-16.4	Peak	Vertical
	10645.7	32.2	17.3	49.5	54.0	-4.5	Average	Vertical
	15961.0	39.1	20.7	59.8	74.0	-14.2	Peak	Vertical
	15961.0	28.6	20.7	49.3	54.0	-4.7	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	100		
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
	8488.5	34.3	12.5	46.8	74.0	-27.2	Peak	Horizontal
	11002.7	37.7	17.8	55.5	74.0	-18.5	Peak	Horizontal
	11002.7	30.8	17.8	48.6	54.0	-5.4	Average	Horizontal
*	13733.0	30.9	21.0	51.9	68.2	-16.3	Peak	Horizontal
*	16512.5	35.2	22.1	57.3	68.2	-10.9	Peak	Horizontal
	8259.0	33.2	12.5	45.7	74.0	-28.3	Peak	Vertical
	10997.8	37.2	17.8	55.0	74.0	-19.0	Peak	Vertical
	10997.8	29.4	17.8	47.2	54.0	-6.8	Average	Vertical
*	13894.5	33.6	21.3	54.9	68.2	-13.3	Peak	Vertical
*	16597.5	34.6	22.7	57.3	68.2	-10.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	116		
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
	8259.0	34.2	12.5	46.7	74.0	-27.3	Peak	Horizontal
	11159.0	40.3	18.0	58.3	74.0	-15.7	Peak	Horizontal
	11159.0	30.2	18.0	48.2	54.0	-5.8	Average	Horizontal
*	14005.0	32.6	21.5	54.1	68.2	-14.1	Peak	Horizontal
*	16963.0	33.5	25.3	58.8	68.2	-9.4	Peak	Horizontal
	8471.5	34.2	12.5	46.7	74.0	-27.3	Peak	Vertical
	11160.0	37.4	18.0	55.4	74.0	-18.6	Peak	Vertical
	11160.0	29.2	18.0	47.2	54.0	-6.8	Average	Vertical
*	13818.0	33.3	21.2	54.5	68.2	-13.7	Peak	Vertical
*	16912.0	34.6	25.0	59.6	68.2	-8.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	140		
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
	8318.5	33.7	12.5	46.2	74.0	-27.8	Peak	Horizontal
	11395.5	34.5	18.3	52.8	74.0	-21.2	Peak	Horizontal
*	13852.0	33.2	21.2	54.4	68.2	-13.8	Peak	Horizontal
*	14778.5	33.4	21.4	54.8	68.2	-13.4	Peak	Horizontal
	8089.0	33.7	12.5	46.2	74.0	-27.8	Peak	Vertical
	11395.5	33.8	18.3	52.1	74.0	-21.9	Peak	Vertical
*	13809.5	34.0	21.2	55.2	68.2	-13.0	Peak	Vertical
*	14855.0	33.9	21.5	55.4	68.2	-12.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	149		
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
	9381.0	34.4	14.2	48.6	74.0	-25.4	Peak	Horizontal
	11490.2	36.1	18.4	54.5	74.0	-19.5	Peak	Horizontal
	11490.2	27.9	18.4	46.3	54.0	-7.7	Average	Horizontal
*	13784.0	32.9	21.1	54.0	68.2	-14.2	Peak	Horizontal
*	15212.0	33.7	21.5	55.2	68.2	-13.0	Peak	Horizontal
	9194.0	34.6	14.0	48.6	74.0	-25.4	Peak	Vertical
	11489.0	34.3	18.4	52.7	74.0	-21.3	Peak	Vertical
*	13860.5	33.1	21.3	54.4	68.2	-13.8	Peak	Vertical
*	14855.0	34.0	21.5	55.5	68.2	-12.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	157		
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
	9049.5	33.9	13.8	47.7	74.0	-26.3	Peak	Horizontal
	11572.4	37.7	18.4	56.1	74.0	-17.9	Peak	Horizontal
	11572.4	29.8	18.4	48.2	54.0	-5.8	Average	Horizontal
*	14744.5	34.9	21.4	56.3	68.2	-11.9	Peak	Horizontal
*	16929.0	33.5	25.1	58.6	68.2	-9.6	Peak	Horizontal
	9372.5	34.4	14.2	48.6	74.0	-25.4	Peak	Vertical
	11573.6	38.2	18.4	56.6	74.0	-17.4	Peak	Vertical
	11573.6	29.6	18.4	48.0	54.0	-6.0	Average	Vertical
*	15161.0	33.9	21.5	55.4	68.2	-12.8	Peak	Vertical
*	17354.0	32.4	29.2	61.6	68.2	-6.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11a	Test Date	2021/06/05
Test Channel	165		
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
	8242.0	32.7	12.5	45.2	74.0	-28.8	Peak	Horizontal
	11650.0	39.7	18.3	58.0	74.0	-16.0	Peak	Horizontal
	11650.0	31.7	18.3	50.0	54.0	-4.0	Average	Horizontal
*	14685.0	33.8	21.4	55.2	68.2	-13.0	Peak	Horizontal
*	17303.0	31.1	28.7	59.8	68.2	-8.4	Peak	Horizontal
	9092.0	33.1	13.8	46.9	74.0	-27.1	Peak	Vertical
	11647.8	37.9	18.3	56.2	74.0	-17.8	Peak	Vertical
	11647.8	29.7	18.3	48.0	54.0	-6.0	Average	Vertical
*	14200.5	34.1	21.5	55.6	68.2	-12.6	Peak	Vertical
*	14821.0	33.4	21.4	54.8	68.2	-13.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	36		
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
*	8760.5	34.0	13.1	47.1	68.2	-21.1	Peak	Horizontal
*	10358.5	40.2	16.6	56.8	68.2	-11.4	Peak	Horizontal
	12092.5	33.7	17.8	51.5	74.0	-22.5	Peak	Horizontal
	15536.4	36.3	21.4	57.7	74.0	-16.3	Peak	Horizontal
	15536.4	25.9	21.4	47.3	54.0	-6.7	Average	Horizontal
*	8845.5	34.3	13.3	47.6	68.2	-20.6	Peak	Vertical
*	10358.5	41.0	16.6	57.6	68.2	-10.6	Peak	Vertical
	12024.5	34.3	17.8	52.1	74.0	-21.9	Peak	Vertical
	15530.4	34.0	21.4	55.4	74.0	-18.6	Peak	Vertical
	15530.4	26.1	21.4	47.5	54.0	-6.5	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	44		
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
*	8769.0	33.0	13.1	46.1	68.2	-22.1	Peak	Horizontal
*	10443.5	41.8	16.9	58.7	68.2	-9.5	Peak	Horizontal
	11659.0	33.4	18.3	51.7	74.0	-22.3	Peak	Horizontal
	15675.2	36.0	21.1	57.1	74.0	-16.9	Peak	Horizontal
	15675.2	26.3	21.2	47.5	54.0	-6.5	Average	Horizontal
*	8760.5	34.6	13.1	47.7	68.2	-20.5	Peak	Vertical
*	10443.5	41.1	16.9	58.0	68.2	-10.2	Peak	Vertical
	11659.0	33.6	18.3	51.9	74.0	-22.1	Peak	Vertical
	15661.4	35.3	21.2	56.5	74.0	-17.5	Peak	Vertical
	15661.4	26.6	21.2	47.8	54.0	-6.2	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	48		
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
*	8624.5	34.3	12.8	47.1	68.2	-21.1	Peak	Horizontal
*	10477.5	41.7	17.0	58.7	68.2	-9.5	Peak	Horizontal
	11361.5	33.8	18.3	52.1	74.0	-21.9	Peak	Horizontal
	15726.4	37.2	21.1	58.3	74.0	-15.7	Peak	Horizontal
	15726.4	28.8	21.1	49.9	54.0	-4.1	Average	Horizontal
*	8854.0	35.3	13.3	48.6	68.2	-19.6	Peak	Vertical
*	10486.0	42.3	17.0	59.3	68.2	-8.9	Peak	Vertical
	11676.0	34.1	18.2	52.3	74.0	-21.7	Peak	Vertical
	15716.4	37.6	21.1	58.7	74.0	-15.3	Peak	Vertical
	15716.4	27.8	21.1	48.9	54.0	-5.1	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	52		
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
*	8743.5	33.0	13.1	46.1	68.2	-22.1	Peak	Horizontal
*	10520.0	40.9	17.1	58.0	68.2	-10.2	Peak	Horizontal
	11744.0	33.4	18.1	51.5	74.0	-22.5	Peak	Horizontal
	15779.4	37.5	21.0	58.5	74.0	-15.5	Peak	Horizontal
	15779.4	28.3	21.0	49.3	54.0	-4.7	Average	Horizontal
*	8624.5	34.3	12.8	47.1	68.2	-21.1	Peak	Vertical
*	10520.0	40.8	17.1	57.9	68.2	-10.3	Peak	Vertical
	11642.0	34.5	18.3	52.8	74.0	-21.2	Peak	Vertical
	15780.1	37.3	21.0	58.3	74.0	-15.7	Peak	Vertical
	15780.1	28.9	21.0	49.9	54.0	-4.1	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	60		
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
*	8641.5	34.4	12.8	47.2	68.2	-21.0	Peak	Horizontal
*	10596.5	40.3	17.2	57.5	68.2	-10.7	Peak	Horizontal
	12228.5	33.9	17.9	51.8	74.0	-22.2	Peak	Horizontal
	15900.0	36.7	20.8	57.5	74.0	-16.5	Peak	Horizontal
	15900.0	26.8	20.8	47.6	54.0	-6.4	Average	Horizontal
*	8871.0	34.4	13.4	47.8	68.2	-20.4	Peak	Vertical
*	10596.5	38.8	17.2	56.0	68.2	-12.2	Peak	Vertical
	12152.0	33.9	17.8	51.7	74.0	-22.3	Peak	Vertical
	15890.4	36.4	20.8	57.2	74.0	-16.8	Peak	Vertical
	15890.4	27.1	20.8	47.9	54.0	-6.1	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	64		
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
*	8820.0	34.0	13.2	47.2	68.2	-21.0	Peak	Horizontal
*	9653.0	34.3	14.7	49.0	68.2	-19.2	Peak	Horizontal
	10640.0	39.3	17.3	56.6	74.0	-17.4	Peak	Horizontal
	10640.0	32.0	17.3	49.3	54.0	-4.7	Average	Horizontal
	15959.4	37.4	20.7	58.1	74.0	-15.9	Peak	Horizontal
	15959.4	28.9	20.7	49.6	54.0	-4.4	Average	Horizontal
*	8624.5	34.4	12.8	47.2	68.2	-21.0	Peak	Vertical
*	9670.0	34.5	14.7	49.2	68.2	-19.0	Peak	Vertical
	10639.0	35.1	17.3	52.4	74.0	-21.6	Peak	Vertical
	15960.4	34.1	20.7	54.8	74.0	-19.2	Peak	Vertical
	15960.4	27.2	20.7	47.9	54.0	-6.1	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	100		
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
	8488.5	33.9	12.5	46.4	74.0	-27.6	Peak	Horizontal
	10995.1	37.1	17.8	54.9	74.0	-19.1	Peak	Horizontal
	10995.1	29.9	17.8	47.7	54.0	-6.3	Average	Horizontal
*	13920.0	33.8	21.4	55.2	68.2	-13.0	Peak	Horizontal
*	16963.0	33.1	25.3	58.4	68.2	-9.8	Peak	Horizontal
*	8803.0	37.1	13.2	50.3	68.2	-17.9	Peak	Vertical
*	9721.0	34.1	14.8	48.9	68.2	-19.3	Peak	Vertical
	10998.4	37.3	17.8	55.1	74.0	-18.9	Peak	Vertical
	10998.4	30.1	17.8	47.9	54.0	-6.1	Average	Vertical
	11718.5	34.3	18.2	52.5	74.0	-21.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	116		
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
	8335.5	33.3	12.5	45.8	74.0	-28.2	Peak	Horizontal
	11159.5	40.3	18.0	58.3	74.0	-15.7	Peak	Horizontal
	11159.5	30.2	18.0	48.2	54.0	-5.8	Average	Horizontal
*	14200.5	32.9	21.5	54.4	68.2	-13.8	Peak	Horizontal
*	16937.5	33.5	25.2	58.7	68.2	-9.5	Peak	Horizontal
	7672.5	34.5	12.0	46.5	74.0	-27.5	Peak	Vertical
	11160.5	36.2	18.0	54.2	74.0	-19.8	Peak	Vertical
	11160.5	29.9	18.0	47.9	54.0	-6.1	Average	Vertical
*	13631.0	32.7	20.8	53.5	68.2	-14.7	Peak	Vertical
*	16742.0	34.0	23.7	57.7	68.2	-10.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	140		
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
	9083.5	33.8	13.8	47.6	74.0	-26.4	Peak	Horizontal
	11659.0	33.8	18.3	52.1	74.0	-21.9	Peak	Horizontal
*	13860.5	33.0	21.3	54.3	68.2	-13.9	Peak	Horizontal
*	17039.5	32.5	26.0	58.5	68.2	-9.7	Peak	Horizontal
	8327.0	33.1	12.5	45.6	74.0	-28.4	Peak	Vertical
	11632.7	34.8	18.3	53.1	74.0	-20.9	Peak	Vertical
	11632.7	29.7	18.3	48.0	54.0	-6.0	Average	Vertical
*	14260.0	33.2	21.4	54.6	68.2	-13.6	Peak	Vertical
*	16929.0	33.2	25.1	58.3	68.2	-9.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	149		
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
	8344.0	33.5	12.5	46.0	74.0	-28.0	Peak	Horizontal
	11490.0	34.5	18.4	52.9	74.0	-21.1	Peak	Horizontal
	11490.0	28.6	18.4	47.0	54.0	-7.0	Average	Horizontal
*	14166.5	33.8	21.5	55.3	68.2	-12.9	Peak	Horizontal
*	17303.0	31.8	28.7	60.5	68.2	-7.7	Peak	Horizontal
	8267.5	34.3	12.5	46.8	74.0	-27.2	Peak	Vertical
	11497.5	33.9	18.4	52.3	74.0	-21.7	Peak	Vertical
*	13818.0	34.2	21.2	55.4	68.2	-12.8	Peak	Vertical
*	17031.0	33.1	25.9	59.0	68.2	-9.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	157		
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
	9355.5	34.1	14.2	48.3	74.0	-25.7	Peak	Horizontal
	11572.4	35.8	18.4	54.2	74.0	-19.8	Peak	Horizontal
	11572.4	30.3	18.4	48.7	54.0	-5.3	Average	Horizontal
*	14634.0	33.7	21.4	55.1	68.2	-13.1	Peak	Horizontal
*	17303.0	31.1	28.7	59.8	68.2	-8.4	Peak	Horizontal
	7417.5	34.7	11.5	46.2	74.0	-27.8	Peak	Vertical
	11566.2	35.1	18.4	53.5	74.0	-20.5	Peak	Vertical
	11566.2	29.5	18.4	47.9	54.0	-6.1	Average	Vertical
*	14744.5	34.4	21.4	55.8	68.2	-12.4	Peak	Vertical
*	17320.0	31.2	28.8	60.0	68.2	-8.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT20	Test Date	2021/06/05
Test Channel	165		
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
	9083.5	35.5	13.8	49.3	74.0	-24.7	Peak	Horizontal
	11650.0	37.0	18.3	55.3	74.0	-18.7	Peak	Horizontal
	11650.0	29.5	18.3	47.8	54.0	-6.2	Average	Horizontal
*	14659.5	34.1	21.4	55.5	68.2	-12.7	Peak	Horizontal
*	17362.5	30.9	29.3	60.2	68.2	-8.0	Peak	Horizontal
	8429.0	34.0	12.5	46.5	74.0	-27.5	Peak	Vertical
	11650.1	37.1	18.3	55.4	74.0	-18.6	Peak	Vertical
	11650.1	30.1	18.3	48.4	54.0	-5.6	Average	Vertical
*	13809.5	33.5	21.2	54.7	68.2	-13.5	Peak	Vertical
*	17464.5	29.7	30.3	60.0	68.2	-8.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	38		
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
*	8879.5	34.3	13.4	47.7	68.2	-20.5	Peak	Horizontal
*	10384.0	36.7	16.7	53.4	68.2	-14.8	Peak	Horizontal
	11642.0	33.7	18.3	52.0	74.0	-22.0	Peak	Horizontal
	12534.5	33.5	18.0	51.5	74.0	-22.5	Peak	Horizontal
*	8760.5	34.7	13.1	47.8	68.2	-20.4	Peak	Vertical
*	10375.5	37.9	16.6	54.5	68.2	-13.7	Peak	Vertical
	11642.0	32.9	18.3	51.2	74.0	-22.8	Peak	Vertical
	12543.0	33.3	18.0	51.3	74.0	-22.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	46		
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
*	8735.0	31.9	13.0	44.9	68.2	-23.3	Peak	Horizontal
*	10469.0	39.7	17.0	56.7	68.2	-11.5	Peak	Horizontal
	11659.0	34.0	18.3	52.3	74.0	-21.7	Peak	Horizontal
	15691.8	34.6	21.1	55.7	74.0	-18.3	Peak	Horizontal
	15691.8	26.3	21.1	47.4	54.0	-6.6	Average	Horizontal
	7638.5	34.3	11.9	46.2	74.0	-27.8	Peak	Vertical
	8369.5	34.2	12.5	46.7	74.0	-27.3	Peak	Vertical
*	10460.5	40.1	16.9	57.0	68.2	-11.2	Peak	Vertical
*	15271.5	35.6	21.5	57.1	68.2	-11.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	54		
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
*	8624.5	34.6	12.8	47.4	68.2	-20.8	Peak	Horizontal
*	10545.5	38.5	17.1	55.6	68.2	-12.6	Peak	Horizontal
	11701.5	33.4	18.2	51.6	74.0	-22.4	Peak	Horizontal
	15809.2	35.6	20.9	56.5	74.0	-17.5	Peak	Horizontal
	15809.2	26.7	20.9	47.6	54.0	-6.4	Average	Horizontal
*	8752.0	34.3	13.1	47.4	68.2	-20.8	Peak	Vertical
*	10537.0	38.6	17.1	55.7	68.2	-12.5	Peak	Vertical
	11642.0	33.4	18.3	51.7	74.0	-22.3	Peak	Vertical
	15812.5	34.6	20.9	55.5	74.0	-18.5	Peak	Vertical
	15812.5	28.0	20.9	48.9	54.0	-5.1	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	62		
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
*	7944.5	33.2	12.4	45.6	68.2	-22.6	Peak	Horizontal
*	9602.0	34.9	14.6	49.5	68.2	-18.7	Peak	Horizontal
	10622.0	35.4	17.2	52.6	74.0	-21.4	Peak	Horizontal
	11650.5	34.0	18.3	52.3	74.0	-21.7	Peak	Horizontal
*	8786.0	33.2	13.2	46.4	68.2	-21.8	Peak	Vertical
*	9602.0	34.0	14.6	48.6	68.2	-19.6	Peak	Vertical
	10622.0	35.2	17.2	52.4	74.0	-21.6	Peak	Vertical
	12194.5	33.6	17.9	51.5	74.0	-22.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	102		
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
*	8820.0	33.8	13.2	47.0	68.2	-21.2	Peak	Horizontal
*	9729.5	33.9	14.9	48.8	68.2	-19.4	Peak	Horizontal
	11021.5	34.7	17.8	52.5	74.0	-21.5	Peak	Horizontal
	12517.5	33.8	18.0	51.8	74.0	-22.2	Peak	Horizontal
*	8811.5	34.8	13.2	48.0	68.2	-20.2	Peak	Vertical
*	9602.0	34.0	14.6	48.6	68.2	-19.6	Peak	Vertical
	11004.5	34.4	17.8	52.2	74.0	-21.8	Peak	Vertical
	12143.5	33.5	17.8	51.3	74.0	-22.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	110		
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
	9440.5	33.5	14.3	47.8	74.0	-26.2	Peak	Horizontal
	11090.4	38.0	17.9	55.9	74.0	-18.1	Peak	Horizontal
	11090.4	31.2	17.9	49.1	54.0	-4.9	Average	Horizontal
*	13733.0	31.3	21.0	52.3	68.2	-15.9	Peak	Horizontal
*	16920.5	33.2	25.0	58.2	68.2	-10.0	Peak	Horizontal
	8250.5	33.4	12.5	45.9	74.0	-28.1	Peak	Vertical
	11110.4	37.3	17.9	55.2	74.0	-18.8	Peak	Vertical
	11110.4	30.4	17.9	48.3	54.0	-5.7	Average	Vertical
*	14319.5	34.3	21.4	55.7	68.2	-12.5	Peak	Vertical
*	17014.0	33.1	25.8	58.9	68.2	-9.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	134		
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
	9049.5	34.2	13.8	48.0	74.0	-26.0	Peak	Horizontal
	11659.0	33.7	18.3	52.0	74.0	-22.0	Peak	Horizontal
*	14744.5	34.0	21.4	55.4	68.2	-12.8	Peak	Horizontal
*	16716.5	35.1	23.5	58.6	68.2	-9.6	Peak	Horizontal
	9075.0	35.4	13.8	49.2	74.0	-24.8	Peak	Vertical
	11642.0	33.1	18.3	51.4	74.0	-22.6	Peak	Vertical
*	13087.0	34.0	19.5	53.5	68.2	-14.7	Peak	Vertical
*	15263.0	35.1	21.5	56.6	68.2	-11.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	151		
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
*	7961.5	34.3	12.5	46.8	68.2	-21.4	Peak	Horizontal
*	8769.0	33.6	13.1	46.7	68.2	-21.5	Peak	Horizontal
	9100.5	33.9	13.8	47.7	74.0	-26.3	Peak	Horizontal
	11200.0	33.8	18.0	51.8	74.0	-22.2	Peak	Horizontal
*	7987.0	33.9	12.5	46.4	68.2	-21.8	Peak	Vertical
*	8794.5	33.9	13.2	47.1	68.2	-21.1	Peak	Vertical
	9347.0	35.5	14.2	49.7	74.0	-24.3	Peak	Vertical
	11506.0	34.3	18.4	52.7	74.0	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT40	Test Date	2021/06/05
Test Channel	159		
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
*	7953.0	33.6	12.5	46.1	68.2	-22.1	Peak	Horizontal
*	8692.5	34.7	12.9	47.6	68.2	-20.6	Peak	Horizontal
	9058.0	34.5	13.8	48.3	74.0	-25.7	Peak	Horizontal
	11595.5	35.7	18.3	54.0	74.0	-20.0	Peak	Horizontal
	11595.5	29.2	18.3	47.5	54.0	-6.5	Average	Horizontal
*	7987.0	34.0	12.5	46.5	68.2	-21.7	Peak	Vertical
*	8607.5	34.3	12.7	47.0	68.2	-21.2	Peak	Vertical
	9330.0	34.2	14.2	48.4	74.0	-25.6	Peak	Vertical
	11602.4	35.2	18.3	53.5	74.0	-20.5	Peak	Vertical
	11602.4	29.4	18.3	47.7	54.0	-6.3	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT80	Test Date	2021/06/05
Test Channel	42		
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
*	7978.5	34.1	12.5	46.6	68.2	-21.6	Peak	Horizontal
*	8837.0	34.4	13.3	47.7	68.2	-20.5	Peak	Horizontal
	9389.5	34.7	14.3	49.0	74.0	-25.0	Peak	Horizontal
	11642.0	33.4	18.3	51.7	74.0	-22.3	Peak	Horizontal
*	7995.5	34.5	12.5	47.0	68.2	-21.2	Peak	Vertical
*	8556.5	35.1	12.6	47.7	68.2	-20.5	Peak	Vertical
	9474.5	34.7	14.4	49.1	74.0	-24.9	Peak	Vertical
	11642.0	33.7	18.3	52.0	74.0	-22.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT80	Test Date	2021/06/05
Test Channel	58		
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
*	8021.0	33.8	12.5	46.3	68.2	-21.9	Peak	Horizontal
*	8718.0	34.3	13.0	47.3	68.2	-20.9	Peak	Horizontal
	9151.5	35.2	13.9	49.1	74.0	-24.9	Peak	Horizontal
	12050.0	33.2	17.8	51.0	74.0	-23.0	Peak	Horizontal
*	8004.0	33.7	12.5	46.2	68.2	-22.0	Peak	Vertical
*	8777.5	33.3	13.1	46.4	68.2	-21.8	Peak	Vertical
	9457.5	32.2	14.4	46.6	74.0	-27.4	Peak	Vertical
	11642.0	34.4	18.3	52.7	74.0	-21.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT80	Test Date	2021/06/05
Test Channel	106		
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
*	7910.5	33.5	12.4	45.9	68.2	-22.3	Peak	Horizontal
*	8548.0	35.4	12.6	48.0	68.2	-20.2	Peak	Horizontal
	9338.5	34.1	14.2	48.3	74.0	-25.7	Peak	Horizontal
	11625.0	33.5	18.3	51.8	74.0	-22.2	Peak	Horizontal
*	7978.5	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8845.5	35.1	13.3	48.4	68.2	-19.8	Peak	Vertical
	9330.0	34.2	14.2	48.4	74.0	-25.6	Peak	Vertical
	11625.0	33.4	18.3	51.7	74.0	-22.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT80	Test Date	2021/06/05
Test Channel	122		
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
*	7953.0	34.0	12.5	46.5	68.2	-21.7	Peak	Horizontal
*	8769.0	33.8	13.1	46.9	68.2	-21.3	Peak	Horizontal
	9109.0	34.1	13.8	47.9	74.0	-26.1	Peak	Horizontal
	11200.0	33.5	18.0	51.5	74.0	-22.5	Peak	Horizontal
*	7978.5	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8607.5	34.3	12.7	47.0	68.2	-21.2	Peak	Vertical
	9134.5	35.3	13.9	49.2	74.0	-24.8	Peak	Vertical
	11251.0	34.2	18.1	52.3	74.0	-21.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Site	AC1	Test Engineer	Jay
Test Mode	802.11ac-VHT80	Test Date	2021/06/05
Test Channel	155		
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
*	8004.0	33.6	12.5	46.1	68.2	-22.1	Peak	Horizontal
*	8616.0	33.9	12.7	46.6	68.2	-21.6	Peak	Horizontal
	9194.0	34.6	14.0	48.6	74.0	-25.4	Peak	Horizontal
	11565.5	33.3	18.4	51.7	74.0	-22.3	Peak	Horizontal
*	8811.5	34.4	13.2	47.6	68.2	-20.6	Peak	Vertical
*	9551.0	33.1	14.5	47.6	68.2	-20.6	Peak	Vertical
	11642.0	33.1	18.3	51.4	74.0	-22.6	Peak	Vertical
	12109.5	33.5	17.8	51.3	74.0	-22.7	Peak	Vertical

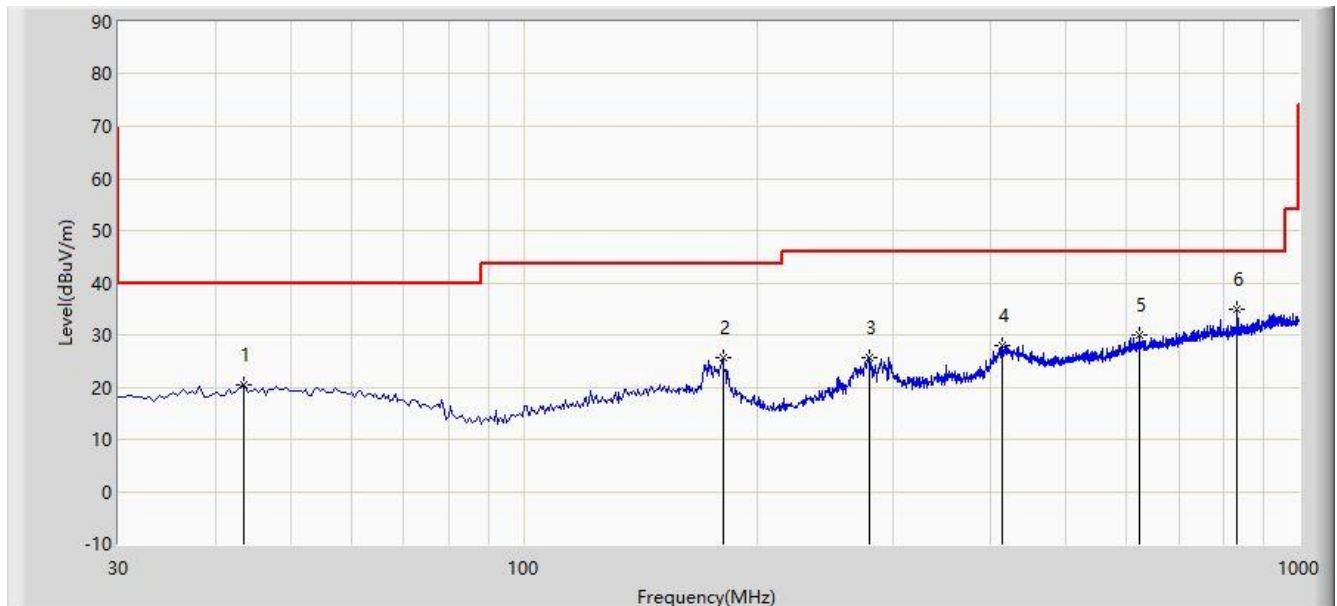
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: AC1	Time: 2021/07/29 - 16:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: VULB 9162 (30MHz~8GHz) + 6dB Attenuator_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			43.580	20.548	-1.042	-19.452	40.000	21.590	PK
2			180.835	25.736	8.228	-17.764	43.500	17.508	PK
3			278.805	25.619	4.622	-20.381	46.000	20.996	PK
4			414.605	28.019	3.717	-17.981	46.000	24.302	PK
5			623.155	30.061	1.886	-15.939	46.000	28.175	PK
6		*	833.645	35.055	3.892	-10.945	46.000	31.162	PK

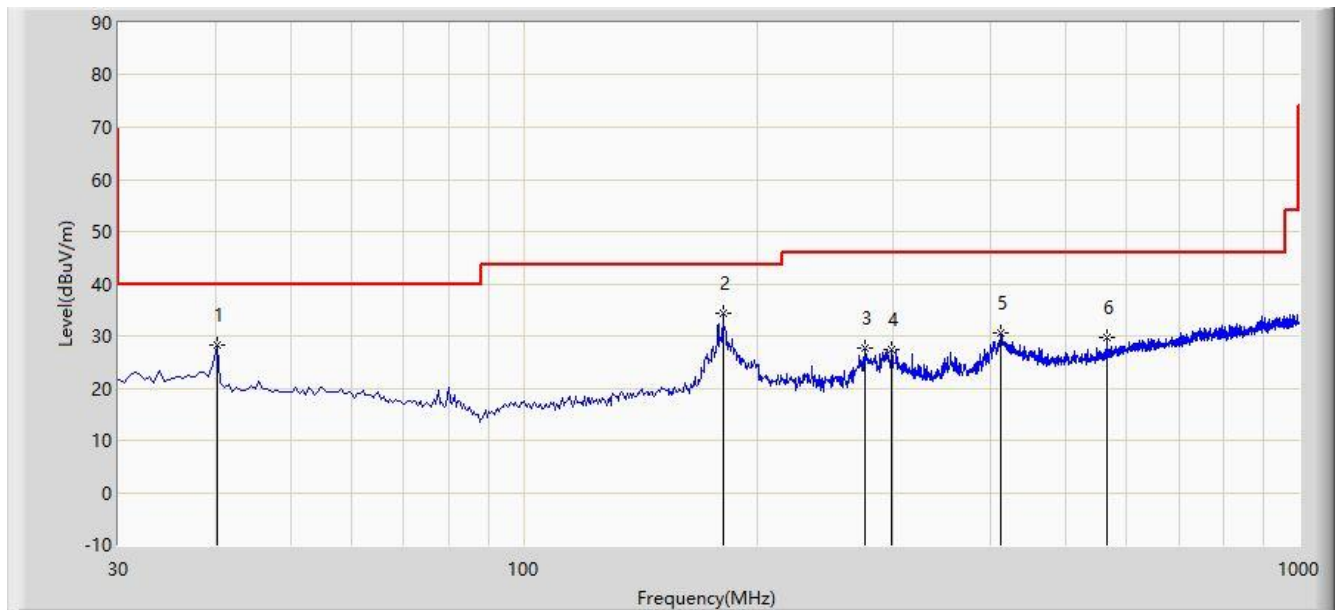
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: AC1	Time: 2021/07/29 - 16:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: VULB 9162 (30MHz~8GHz) + 6dB Attenuator_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			40.185	28.191	7.133	-11.809	40.000	21.058	PK
2		*	180.835	34.405	16.897	-9.095	43.500	17.508	PK
3			275.895	27.607	6.708	-18.393	46.000	20.899	PK
4			298.690	27.509	6.041	-18.491	46.000	21.468	PK
5			412.665	30.609	6.339	-15.391	46.000	24.270	PK
6			564.955	29.761	2.655	-16.239	46.000	27.106	PK

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 40GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

7.9. Radiated Restricted Band Edge Measurement

7.9.1. 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	156.52475-156.525	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	--	--	--

For 15.407(b) requirement:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge

increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

FCC Part 15 Subpart C Paragraph 15.209		
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

7.9.2.Test Procedure Used

KDB 789033 D02v02r01- Section G

7.9.3.Test Setting

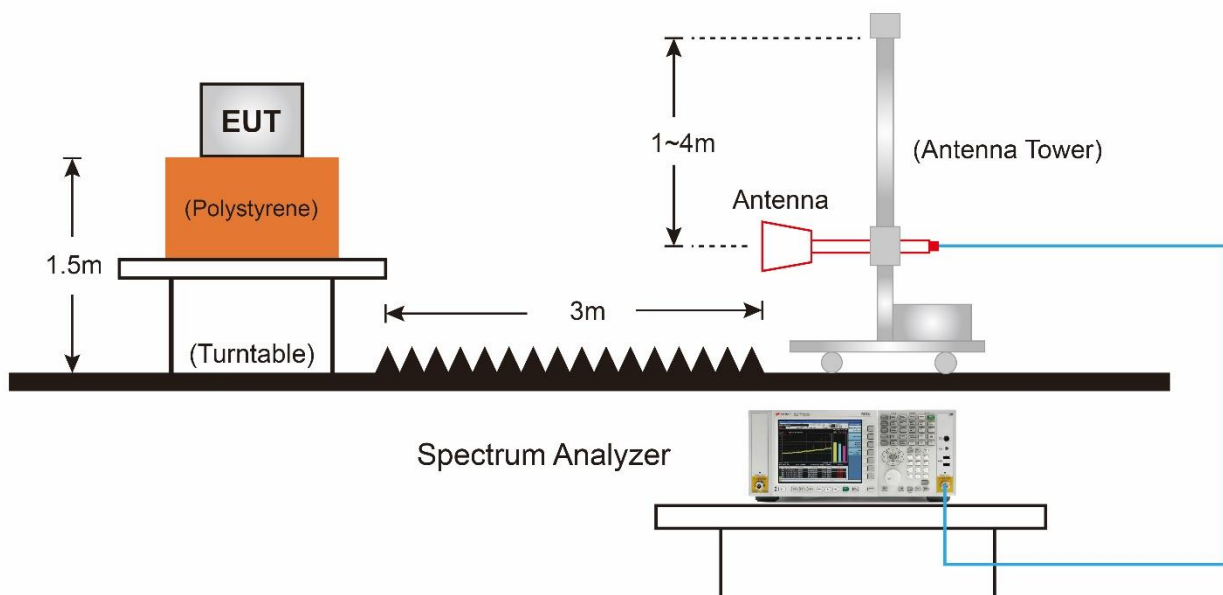
Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method VB)

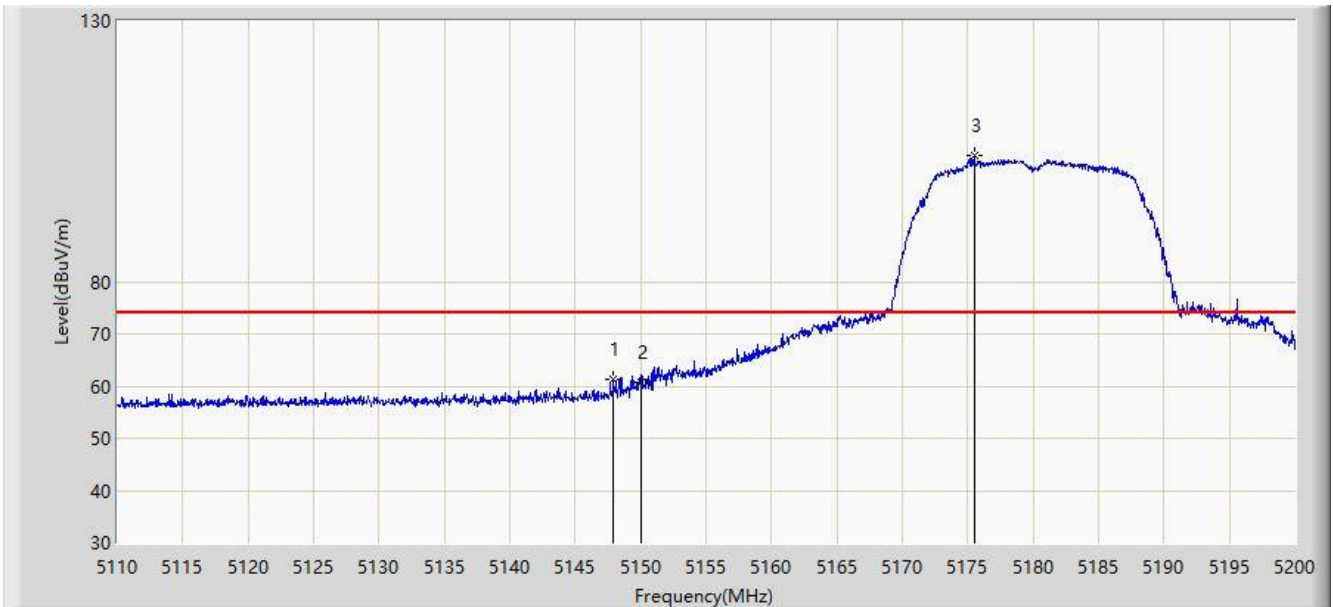
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW If the EUT is configured to transmit with duty cycle $\geq 98\%$, set VBW $\leq$ RBW/100 (i.e., 10 kHz) but not less than 10 Hz. If the EUT duty cycle is $< 98\%$, set VBW $\geq 1/T$.
4. Detector = Peak
5. Sweep time = auto
6. Allow max hold to run for at least 50 traces if the transmitted signal is continuous or has at least 98% duty cycle. For lower duty cycles, increase the minimum number of traces by a factor of $1/x$, where x is the duty cycle.

7.9.4. Test Setup



7.9.5.Test Result

Site: AC1	Time: 2021/05/26 - 00:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

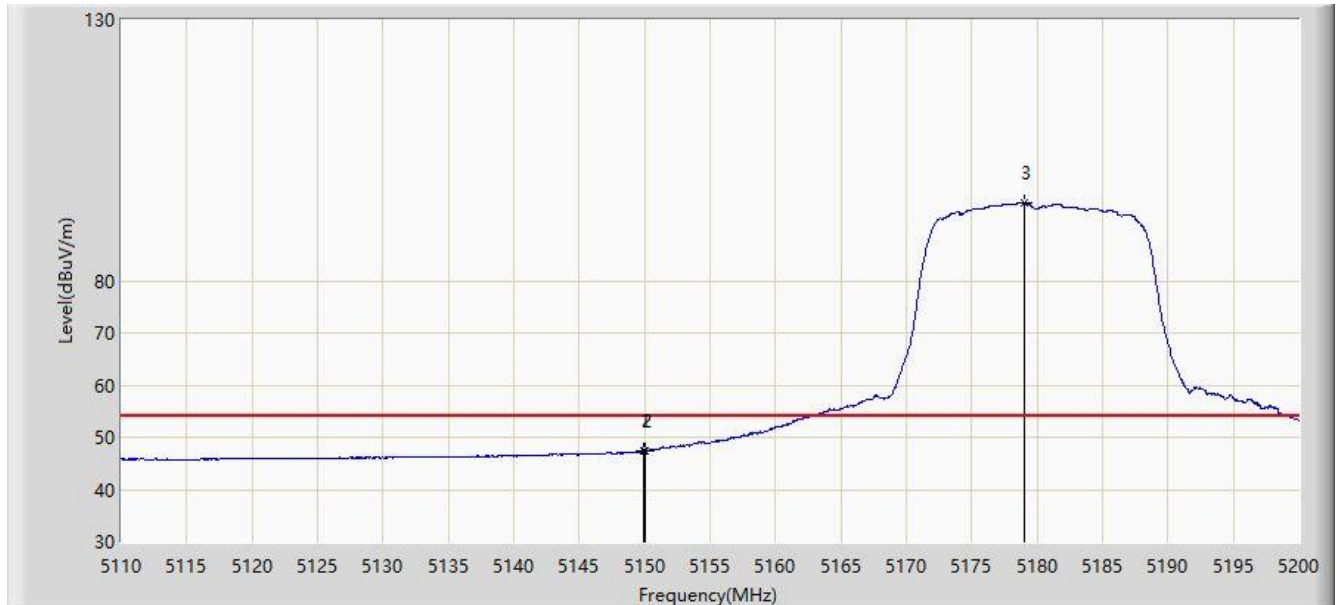


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.935	61.296	57.392	-12.704	74.000	3.904	PK
2			5150.000	60.632	56.726	-13.368	74.000	3.906	PK
3		*	5175.475	104.284	100.352	N/A	N/A	3.932	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

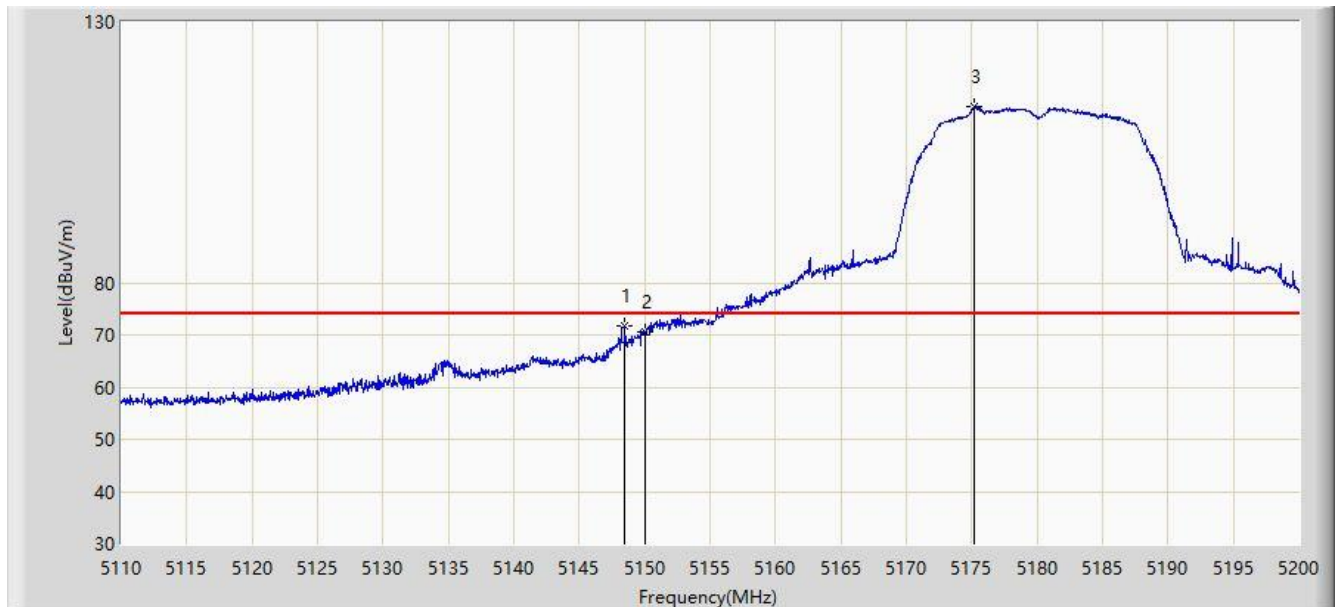


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.915	47.452	43.546	-6.548	54.000	3.906	AV
2			5150.000	47.374	43.468	-6.626	54.000	3.906	AV
3		*	5179.030	95.063	91.127	N/A	N/A	3.936	AV

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

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

Site: AC1	Time: 2021/05/26 - 00:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

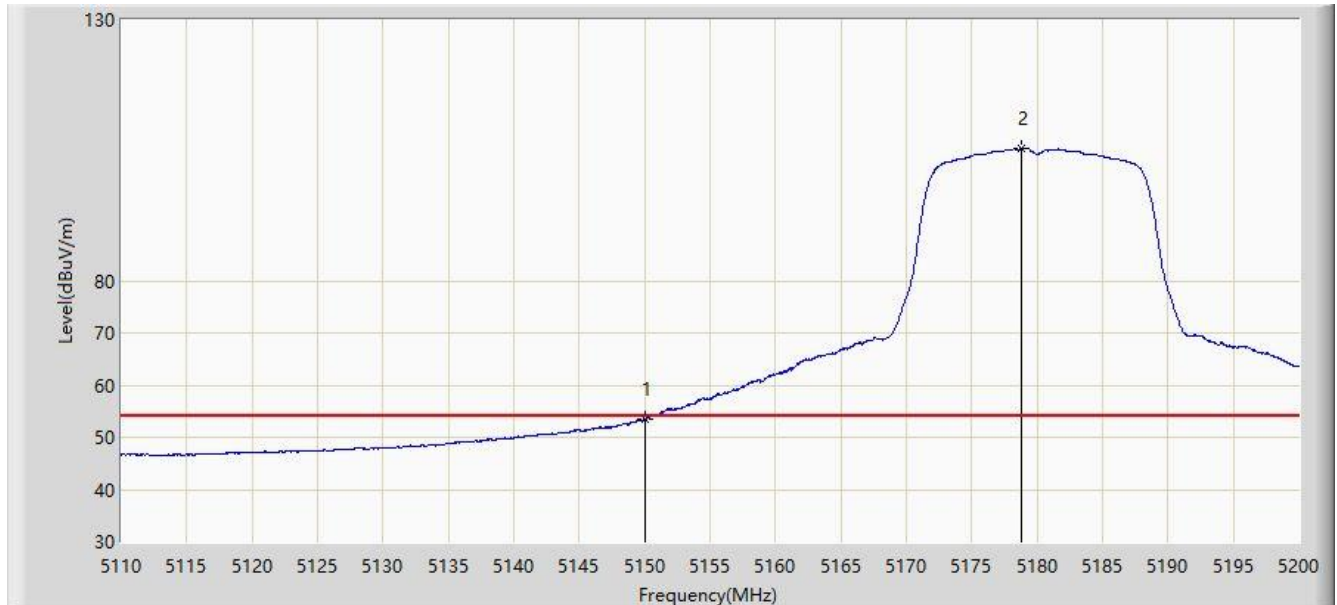


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.475	71.642	67.738	-2.358	74.000	3.904	PK
2			5150.000	70.698	66.792	-3.302	74.000	3.906	PK
3		*	5175.160	113.711	109.779	N/A	N/A	3.932	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

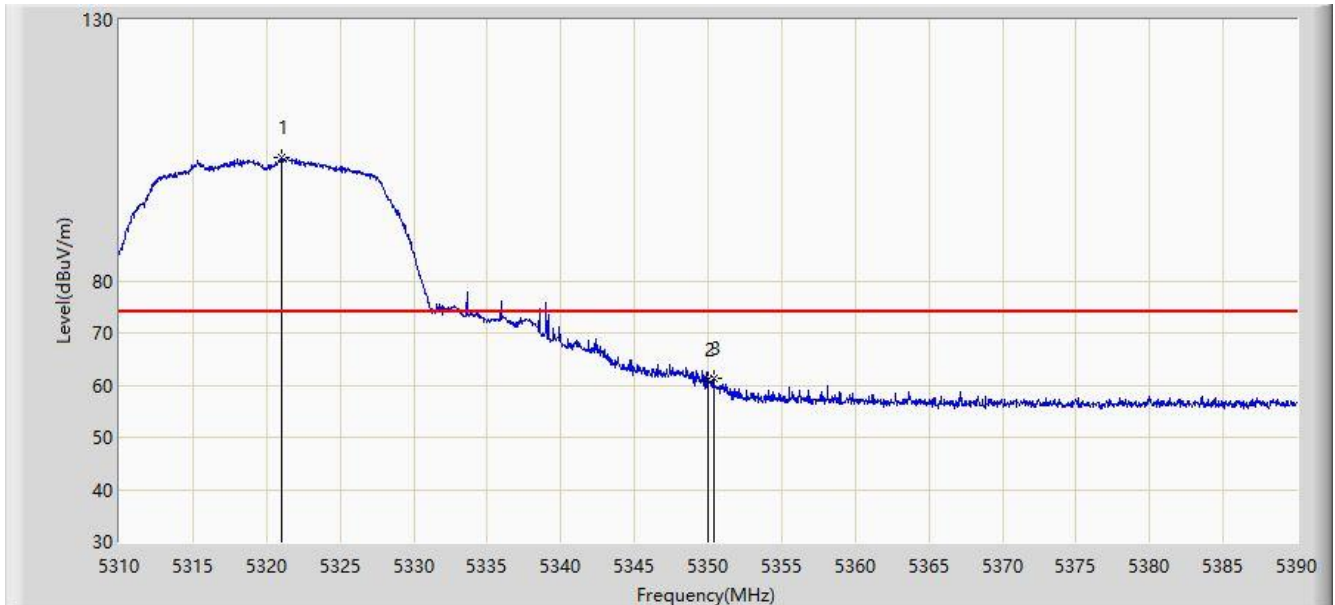


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.445	49.539	-0.555	54.000	3.906	AV
2		*	5178.805	105.329	101.393	N/A	N/A	3.935	AV

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

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

Site: AC1	Time: 2021/05/26 - 00:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

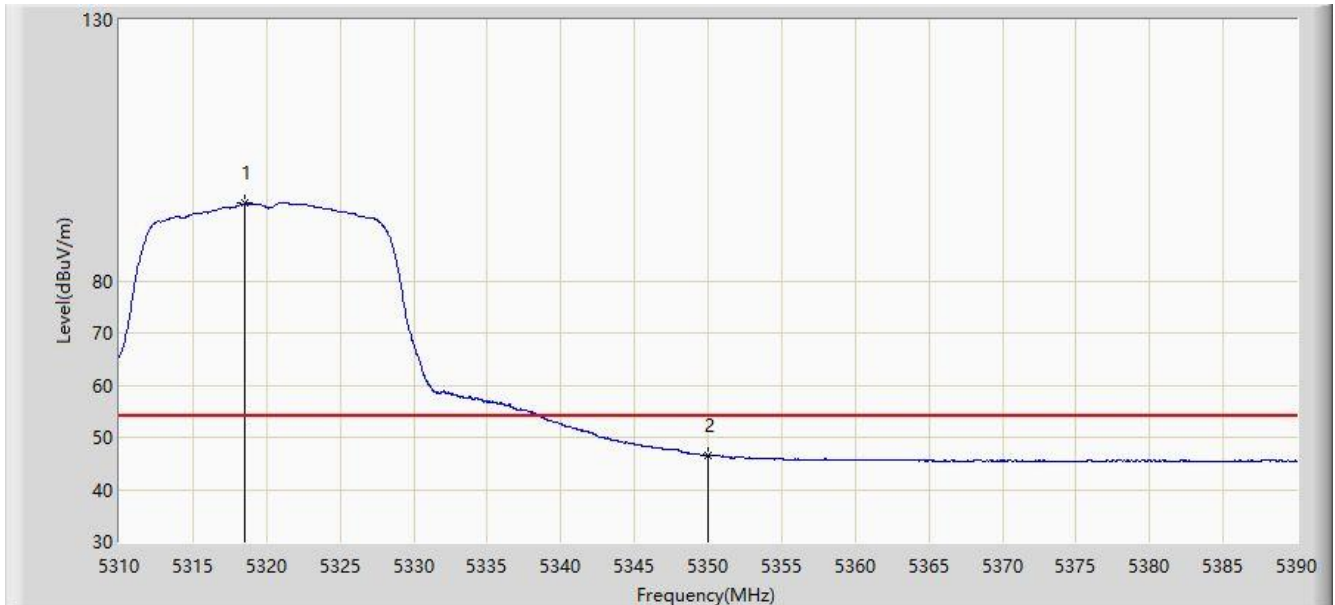


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.040	103.496	99.412	N/A	N/A	4.085	PK
2			5350.000	60.898	56.784	-13.102	74.000	4.114	PK
3			5350.400	61.276	57.162	-12.724	74.000	4.115	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

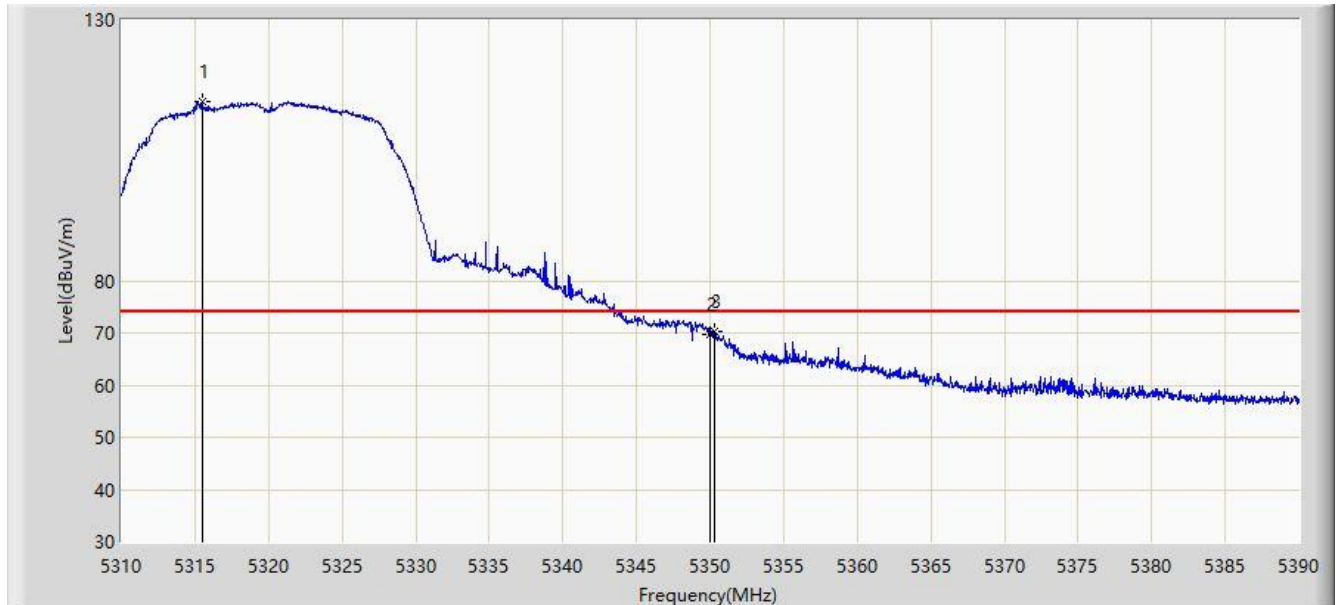


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.560	94.788	90.706	N/A	N/A	4.082	AV
2			5350.000	46.546	42.432	-7.454	54.000	4.114	AV

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

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

Site: AC1	Time: 2021/05/26 - 00:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

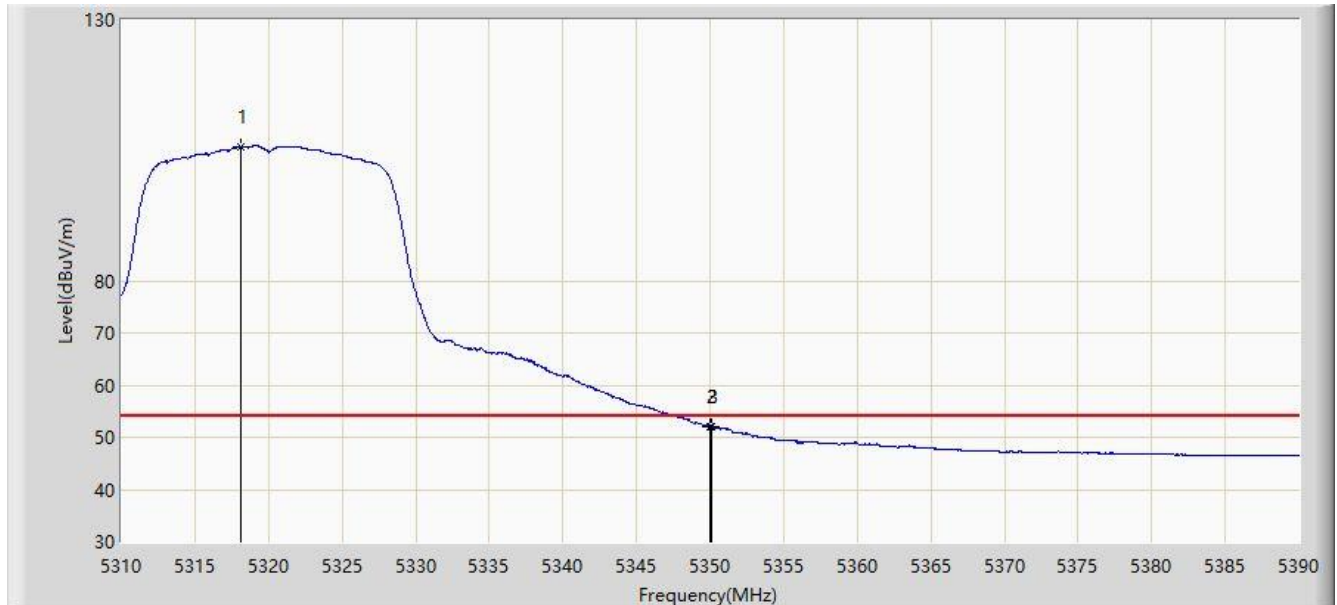


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5315.480	114.478	110.400	N/A	N/A	4.079	PK
2			5350.000	69.742	65.628	-4.258	74.000	4.114	PK
3			5350.280	70.354	66.240	-3.646	74.000	4.115	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz	

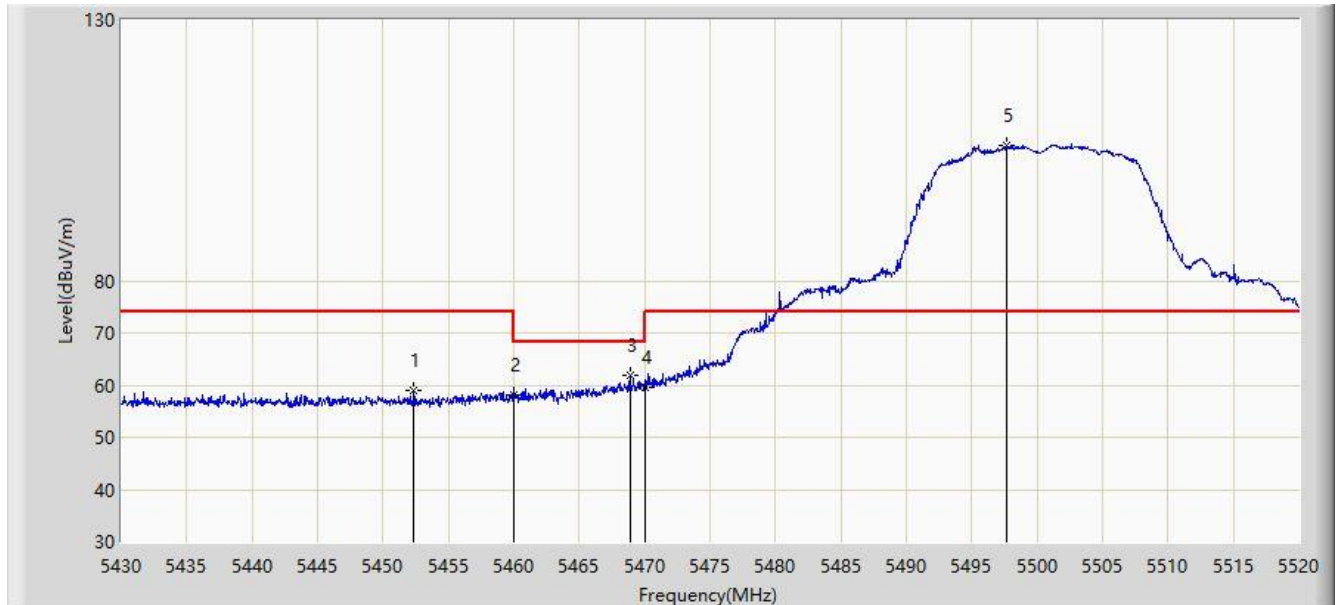


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.080	105.642	101.561	N/A	N/A	4.081	AV
2			5350.000	52.004	47.890	-1.996	54.000	4.114	AV
3			5350.080	52.026	47.912	-1.974	54.000	4.114	AV

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

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

Site: AC1	Time: 2021/05/26 - 00:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

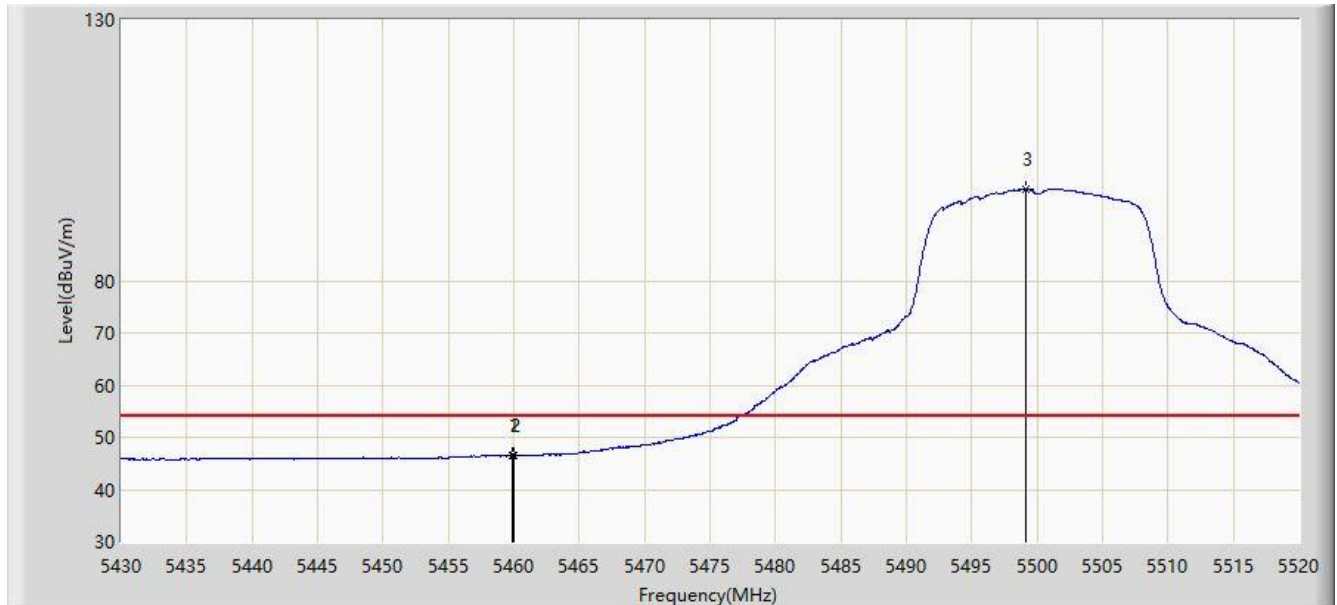


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5452.365	58.991	54.772	-15.009	74.000	4.220	PK
2			5460.000	58.189	53.961	-15.811	74.000	4.228	PK
3			5468.880	61.760	57.522	-6.440	68.200	4.238	PK
4			5470.000	59.587	55.348	-8.613	68.200	4.238	PK
5		*	5497.635	105.986	101.712	N/A	N/A	4.274	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

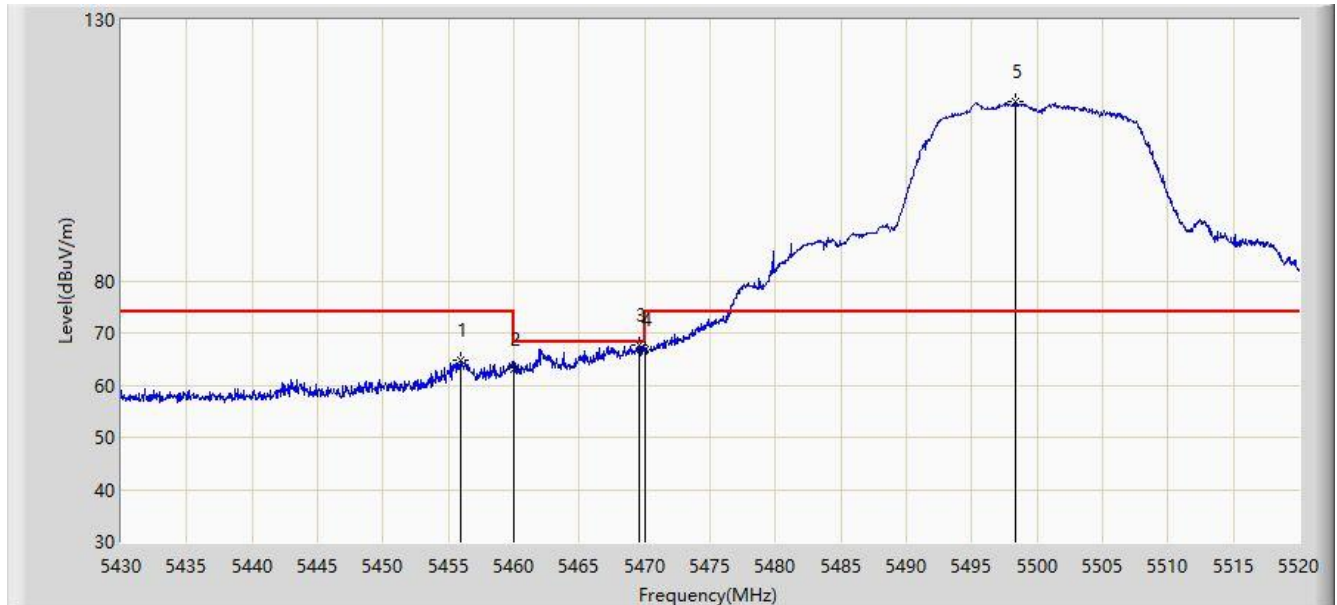


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.835	46.553	42.325	-7.447	54.000	4.228	AV
2			5460.000	46.469	42.241	-7.531	54.000	4.228	AV
3		*	5499.120	97.575	93.298	N/A	N/A	4.277	AV

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

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

Site: AC1	Time: 2021/05/26 - 00:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

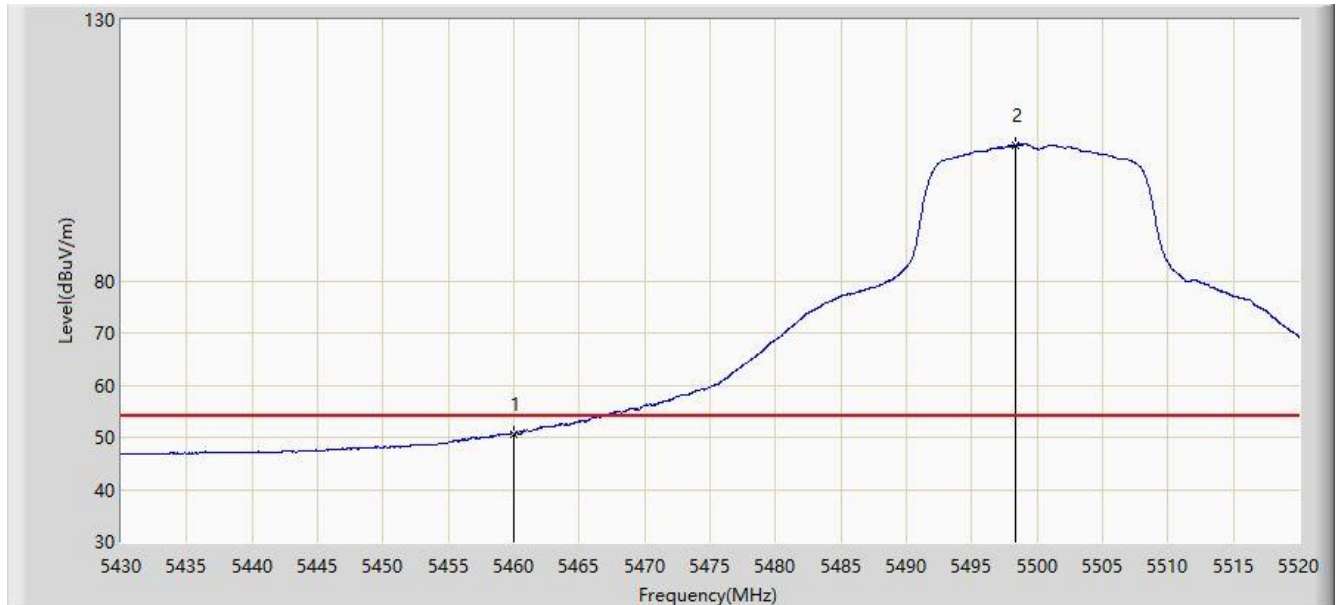


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.965	64.652	60.429	-9.348	74.000	4.223	PK
2			5460.000	62.905	58.677	-11.095	74.000	4.228	PK
3			5469.600	67.621	63.382	-0.579	68.200	4.238	PK
4			5470.000	66.941	62.702	-1.259	68.200	4.238	PK
5		*	5498.310	114.333	110.058	N/A	N/A	4.275	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz	

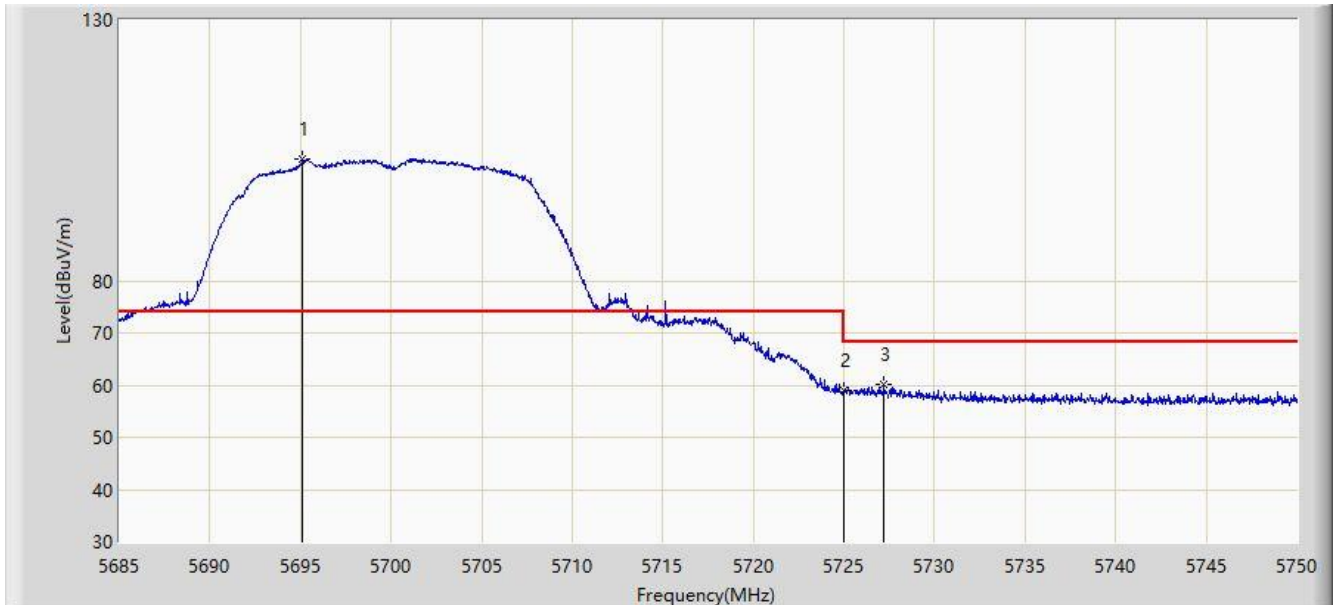


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.656	46.428	-3.344	54.000	4.228	AV
2		*	5498.310	105.947	101.672	N/A	N/A	4.275	AV

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

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

Site: AC1	Time: 2021/05/26 - 00:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	

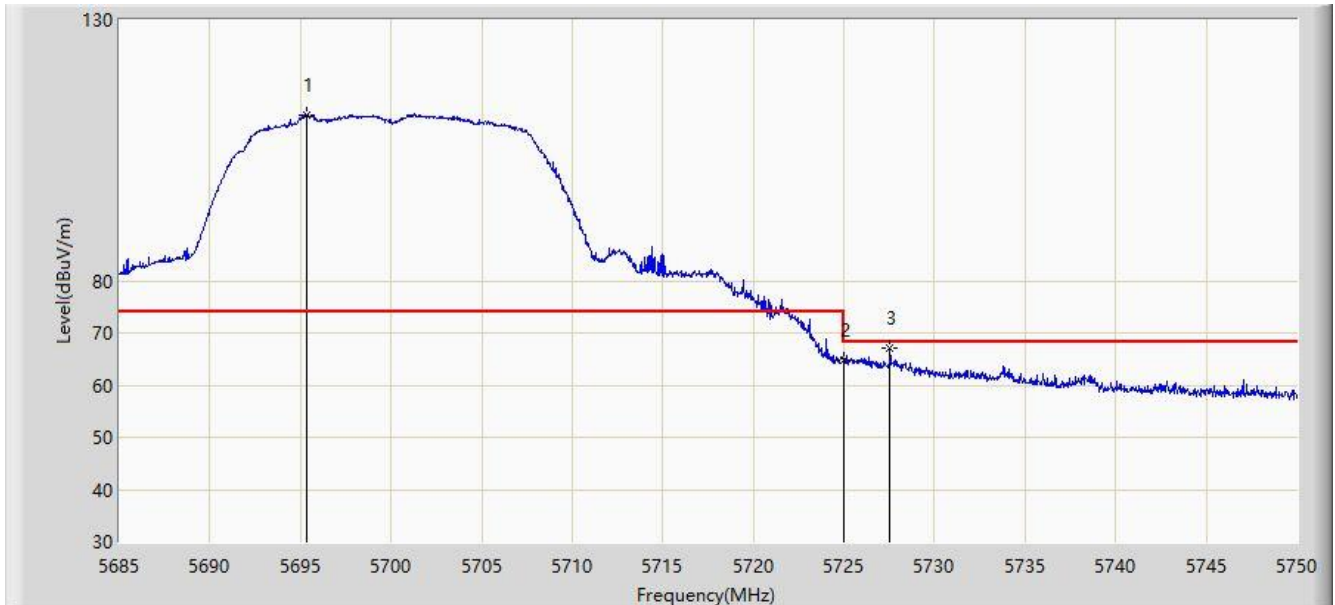


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.140	103.261	98.359	N/A	N/A	4.902	PK
2			5725.000	58.872	53.873	-9.328	68.200	4.999	PK
3			5727.217	60.243	55.236	-7.957	68.200	5.007	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz	

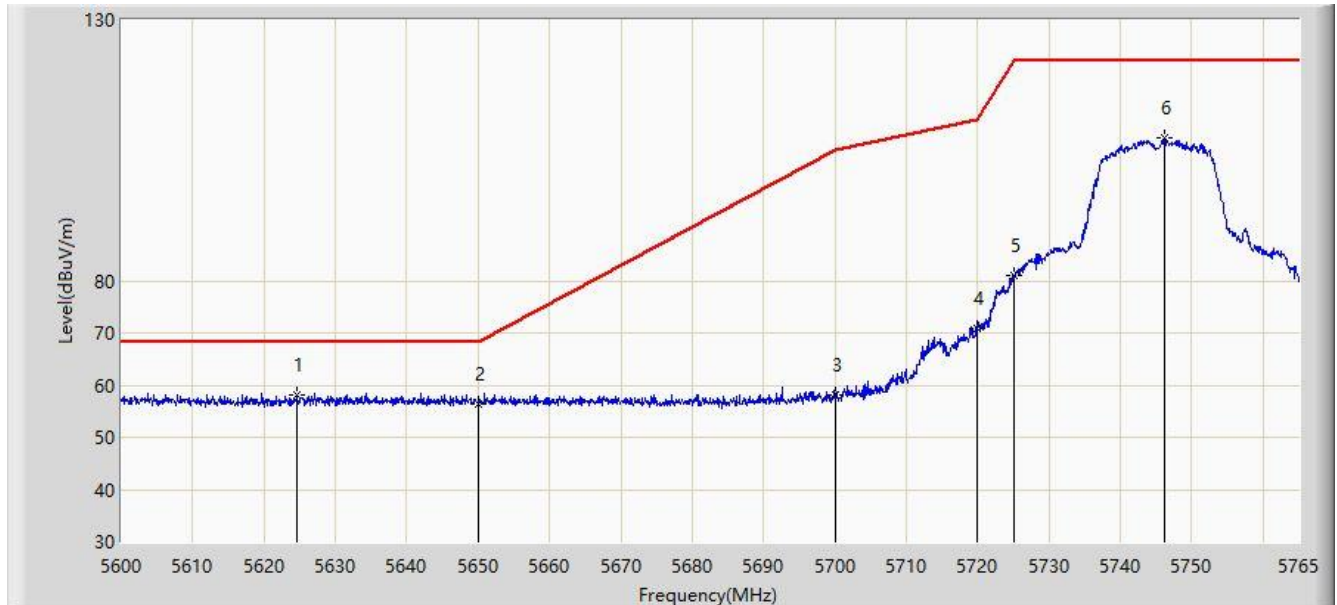


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.335	111.862	106.959	N/A	N/A	4.903	PK
2			5725.000	64.813	59.814	-3.387	68.200	4.999	PK
3			5727.542	66.973	61.965	-1.227	68.200	5.007	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:55
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz	

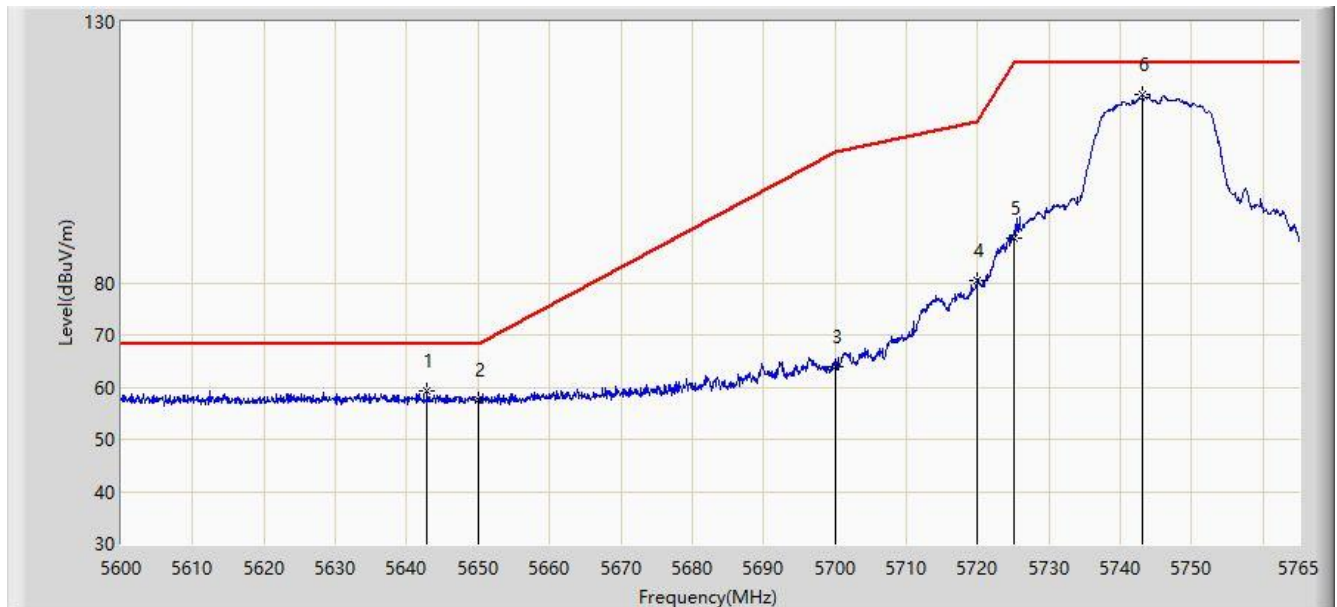


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5624.585	58.207	53.534	-9.993	68.200	4.673	PK
2			5650.000	56.462	51.705	-11.738	68.200	4.756	PK
3			5700.000	57.973	53.055	-47.227	105.200	4.918	PK
4			5720.000	70.945	65.962	-39.855	110.800	4.983	PK
5			5725.000	81.063	76.064	-41.137	122.200	4.999	PK
6			5746.107	107.267	102.200	N/A	N/A	5.067	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:51
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz	

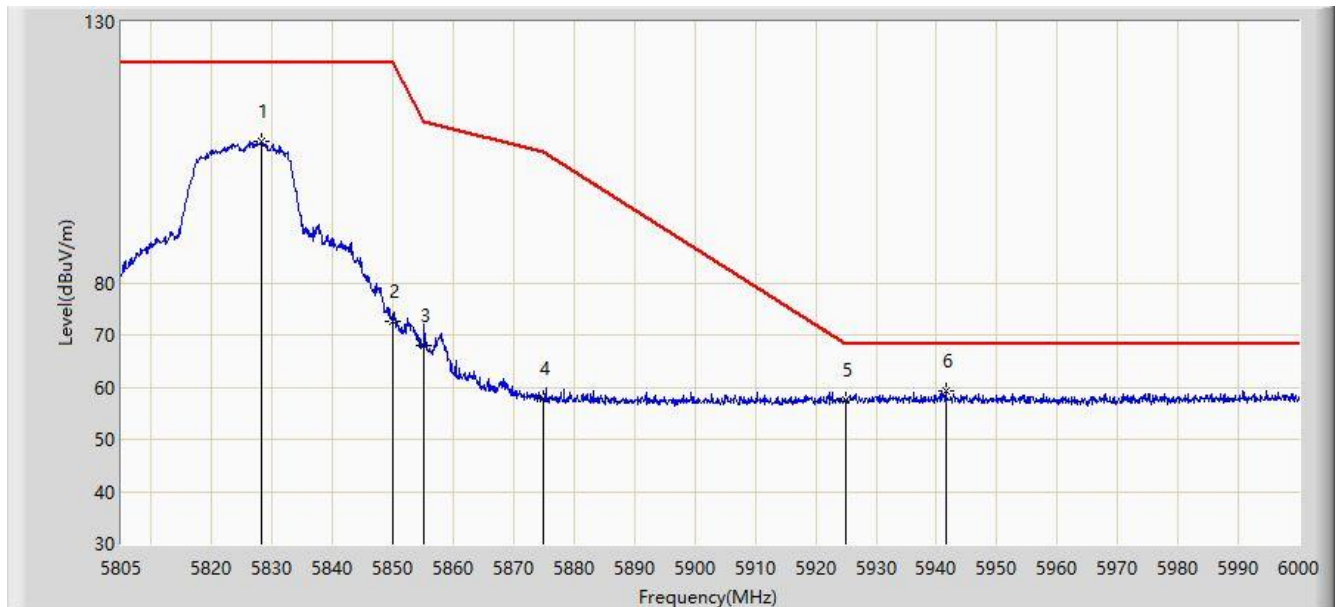


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5642.900	59.296	54.562	-8.904	68.200	4.733	PK
2			5650.000	57.530	52.773	-10.670	68.200	4.756	PK
3			5700.000	63.931	59.013	-41.269	105.200	4.918	PK
4			5720.000	80.431	75.448	-30.369	110.800	4.983	PK
5			5725.000	88.623	83.624	-33.577	122.200	4.999	PK
6		*	5743.138	116.067	111.010	N/A	N/A	5.057	PK

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

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

Site: AC1	Time: 2021/05/26 - 00:56
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz	

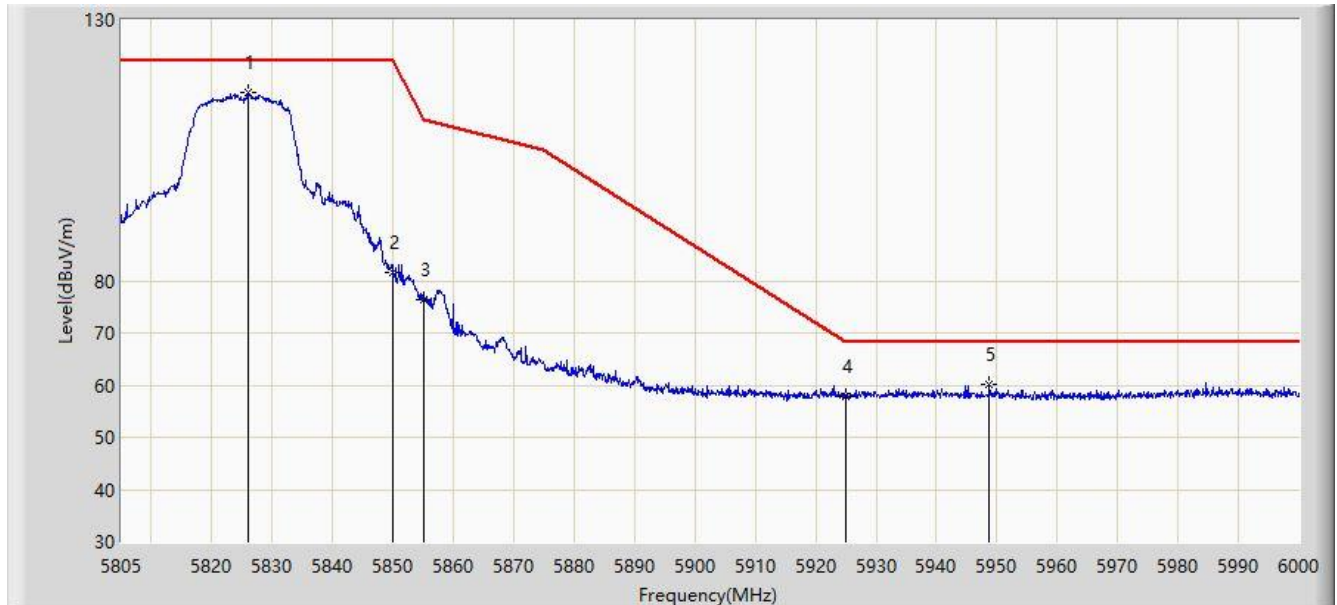


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.205	107.199	101.866	N/A	N/A	5.333	PK
2			5850.000	72.544	67.140	-49.656	122.200	5.404	PK
3			5855.000	68.084	62.664	-42.716	110.800	5.420	PK
4			5875.000	57.824	52.340	-47.376	105.200	5.485	PK
5			5925.000	57.514	51.867	-10.686	68.200	5.647	PK
6		*	5941.500	59.338	53.637	-8.862	68.200	5.700	PK

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

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

Site: AC1	Time: 2021/05/26 - 01:00
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz	

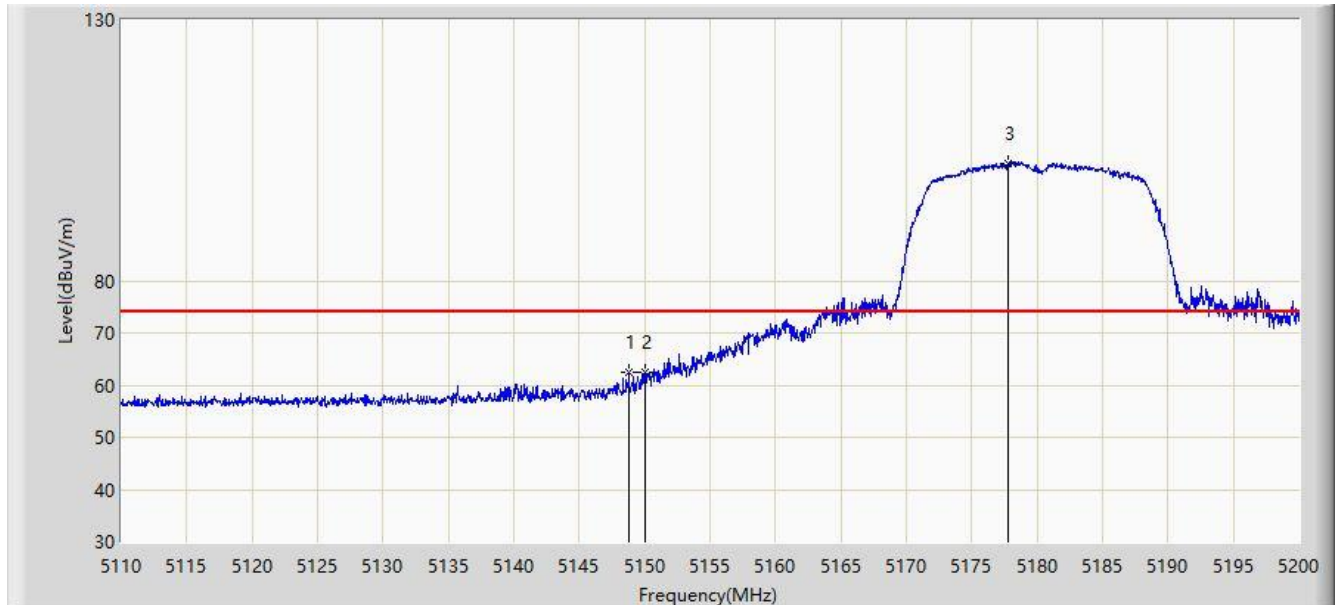


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5825.962	115.998	110.672	N/A	N/A	5.326	PK
2			5850.000	81.492	76.088	-40.708	122.200	5.404	PK
3			5855.000	76.512	71.092	-34.288	110.800	5.420	PK
4			5925.000	57.892	52.245	-10.308	68.200	5.647	PK
5			5948.715	60.145	54.421	-8.055	68.200	5.724	PK

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

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

Site: AC1	Time: 2021/05/26 - 01:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

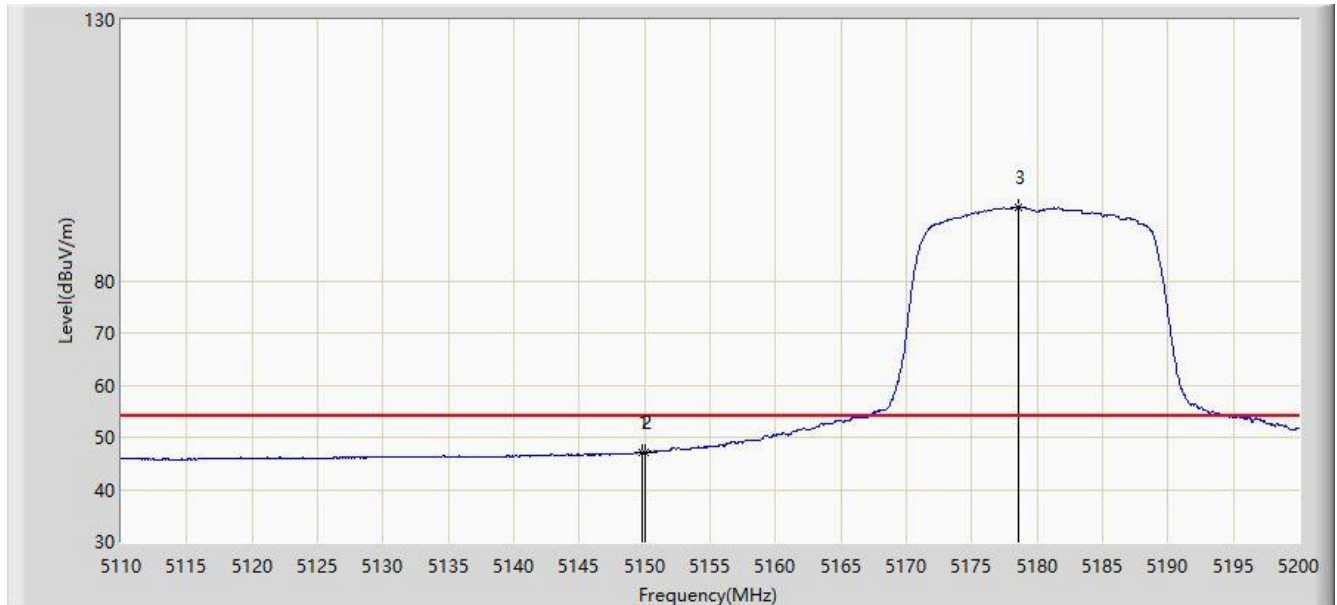


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.790	62.429	58.524	-11.571	74.000	3.905	PK
2			5150.000	62.386	58.480	-11.614	74.000	3.906	PK
3		*	5177.815	102.535	98.600	N/A	N/A	3.935	PK

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

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

Site: AC1	Time: 2021/05/26 - 01:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

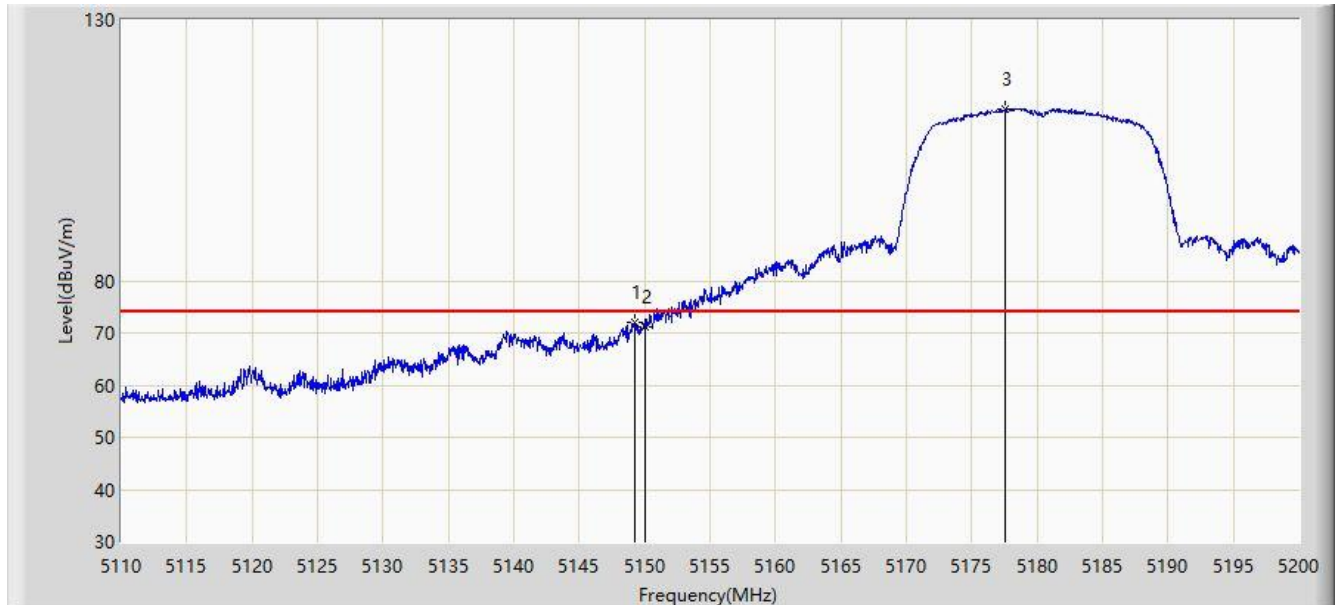


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.825	47.215	43.309	-6.785	54.000	3.906	AV
2			5150.000	46.983	43.077	-7.017	54.000	3.906	AV
3		*	5178.580	94.162	90.226	N/A	N/A	3.935	AV

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

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

Site: AC1	Time: 2021/05/26 - 01:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

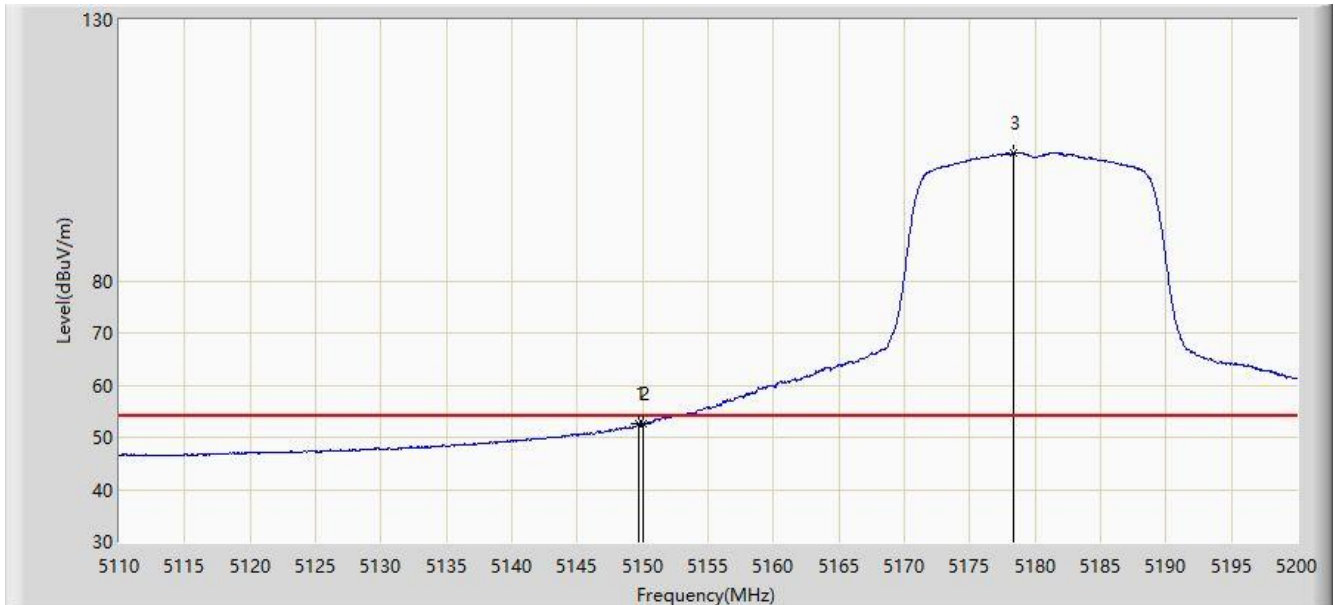


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.285	72.064	68.159	-1.936	74.000	3.905	PK
2			5150.000	71.154	67.248	-2.846	74.000	3.906	PK
3		*	5177.500	112.825	108.891	N/A	N/A	3.934	PK

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

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

Site: AC1	Time: 2021/05/26 - 01:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz	

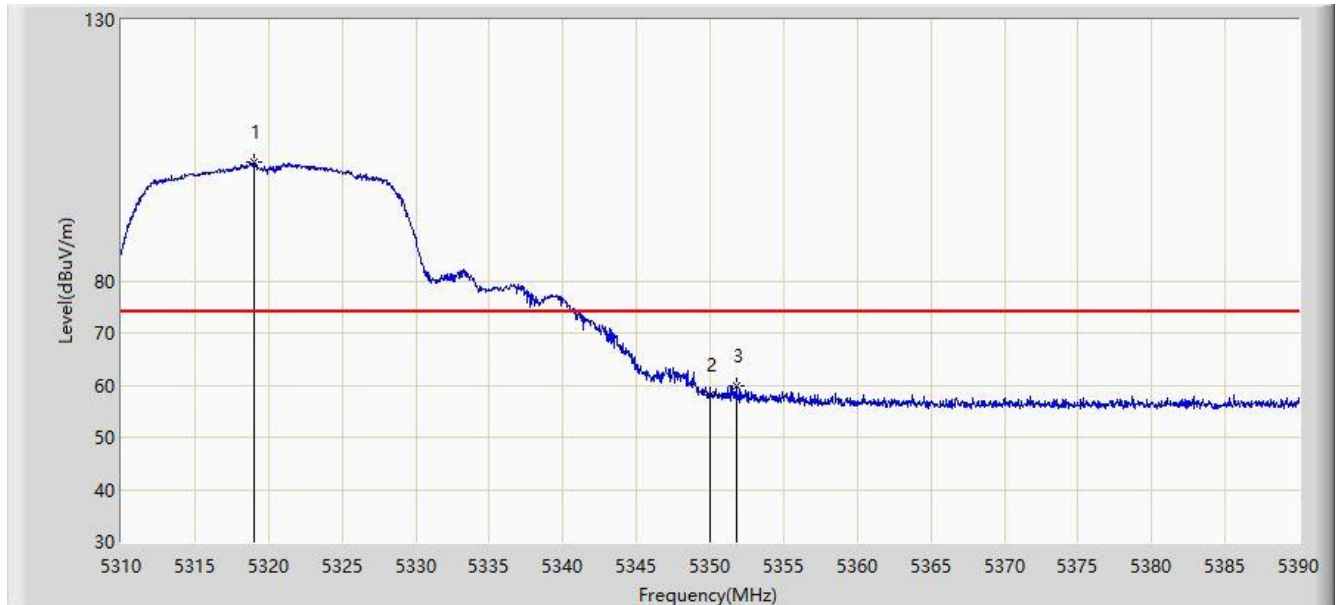


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.735	52.714	48.808	-1.286	54.000	3.905	AV
2			5150.000	52.525	48.619	-1.475	54.000	3.906	AV
3		*	5178.310	104.409	100.474	N/A	N/A	3.936	AV

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

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

Site: AC1	Time: 2021/05/26 - 02:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

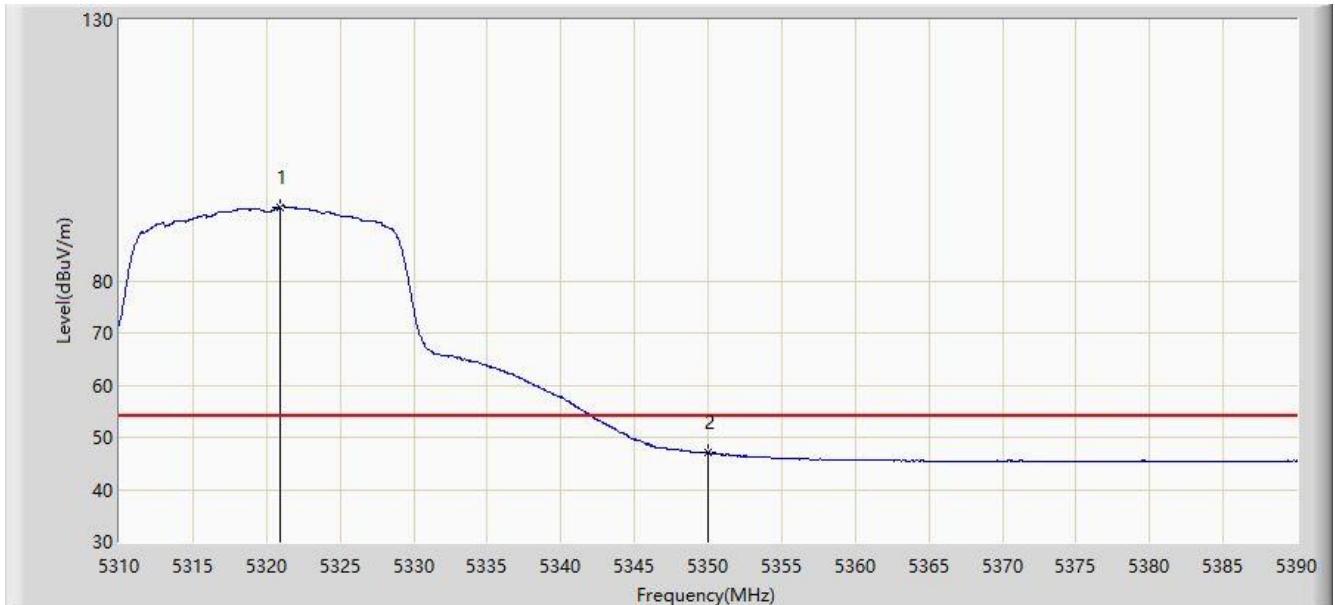


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.000	102.692	98.610	N/A	N/A	4.083	PK
2			5350.000	58.176	54.062	-15.824	74.000	4.114	PK
3			5351.760	59.752	55.636	-14.248	74.000	4.116	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

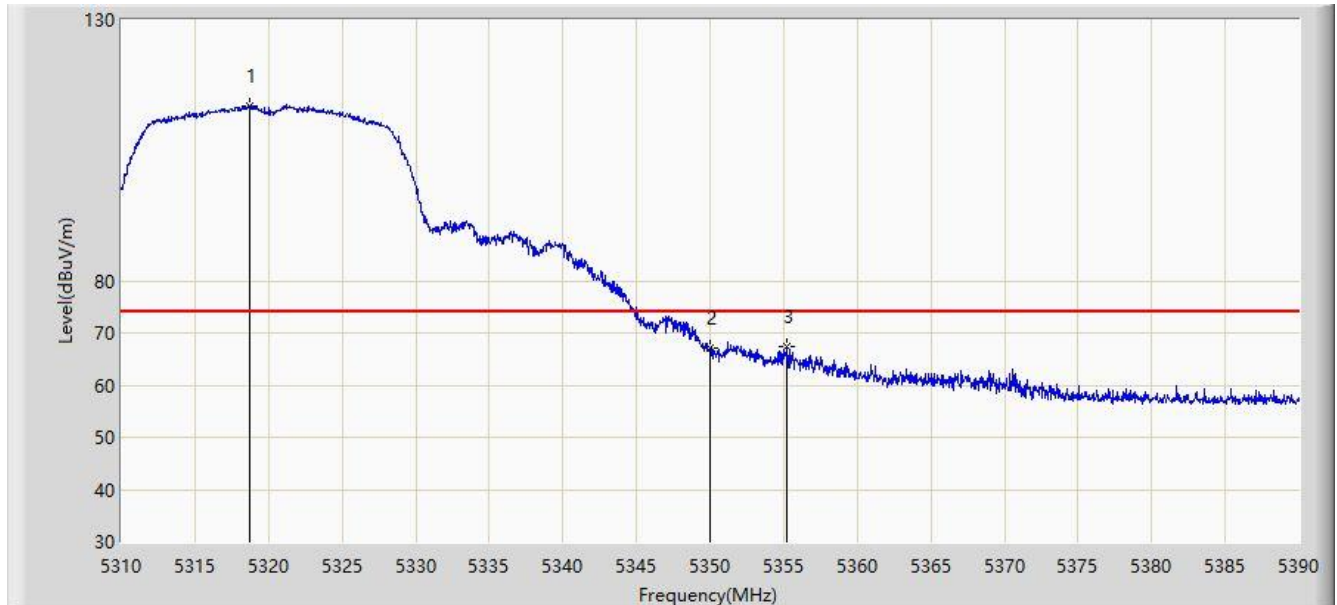


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5320.880	94.131	90.047	N/A	N/A	4.085	AV
2			5350.000	47.128	43.014	-6.872	54.000	4.114	AV

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

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

Site: AC1	Time: 2021/05/26 - 02:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

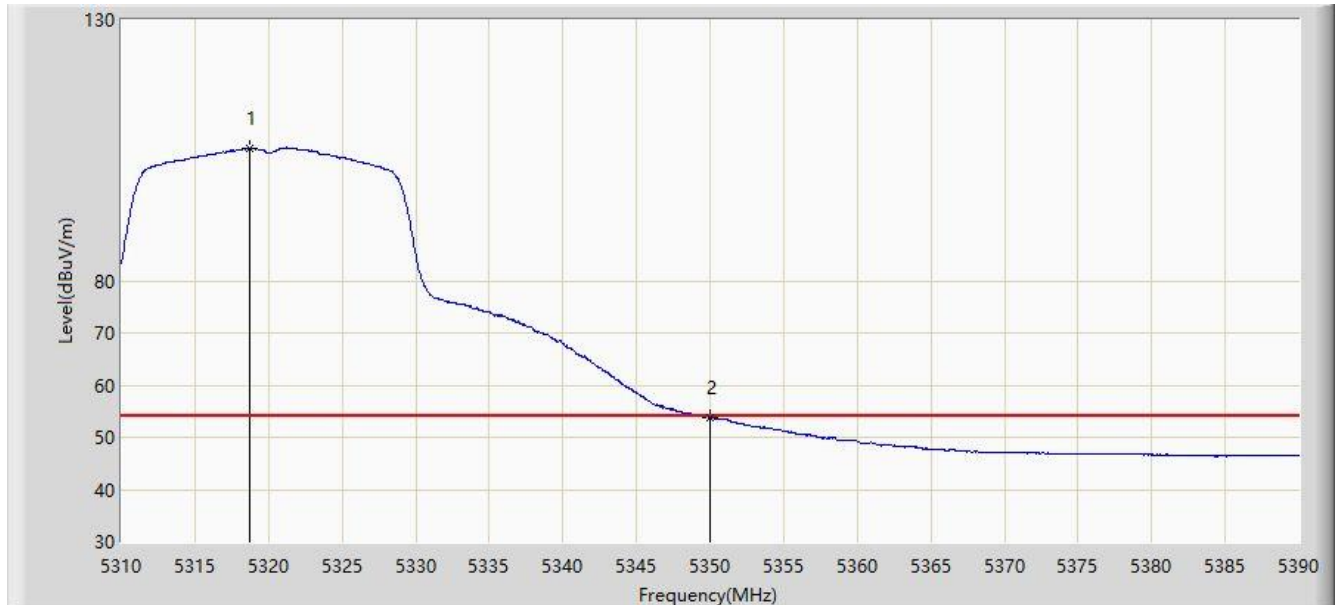


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.720	113.412	109.330	N/A	N/A	4.082	PK
2			5350.000	67.004	62.890	-6.996	74.000	4.114	PK
3			5355.240	67.467	63.348	-6.533	74.000	4.120	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5320MHz	

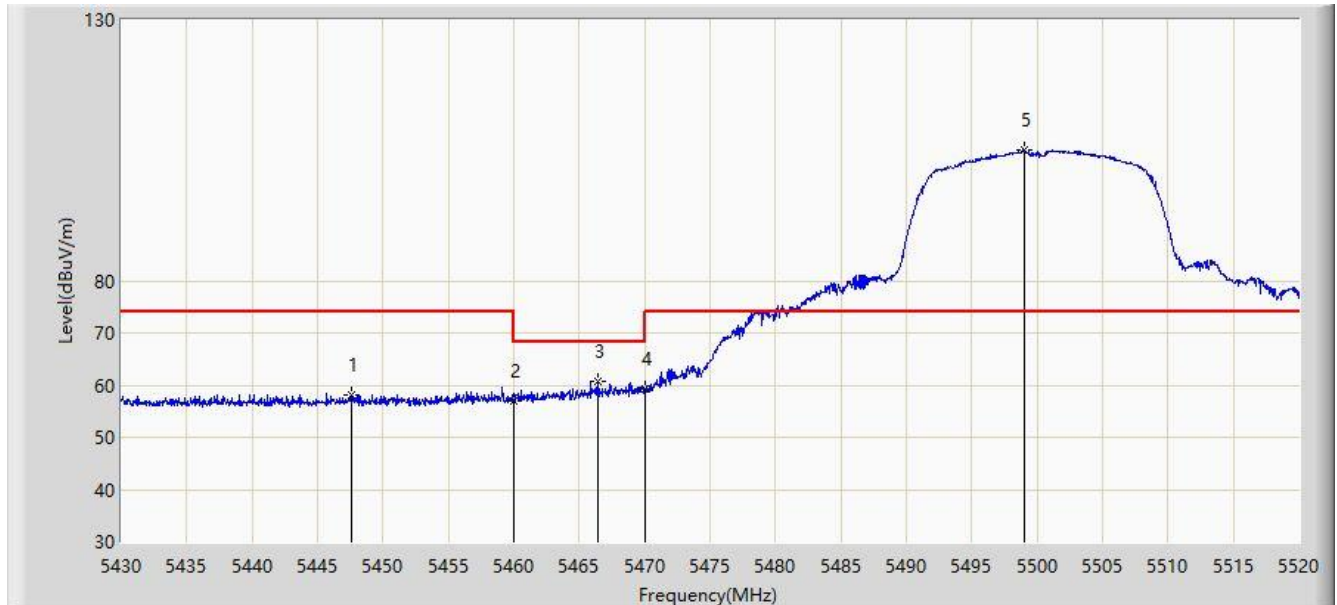


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.680	105.324	101.242	N/A	N/A	4.082	AV
2			5350.000	53.887	49.773	-0.113	54.000	4.114	AV

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

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

Site: AC1	Time: 2021/05/26 - 02:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

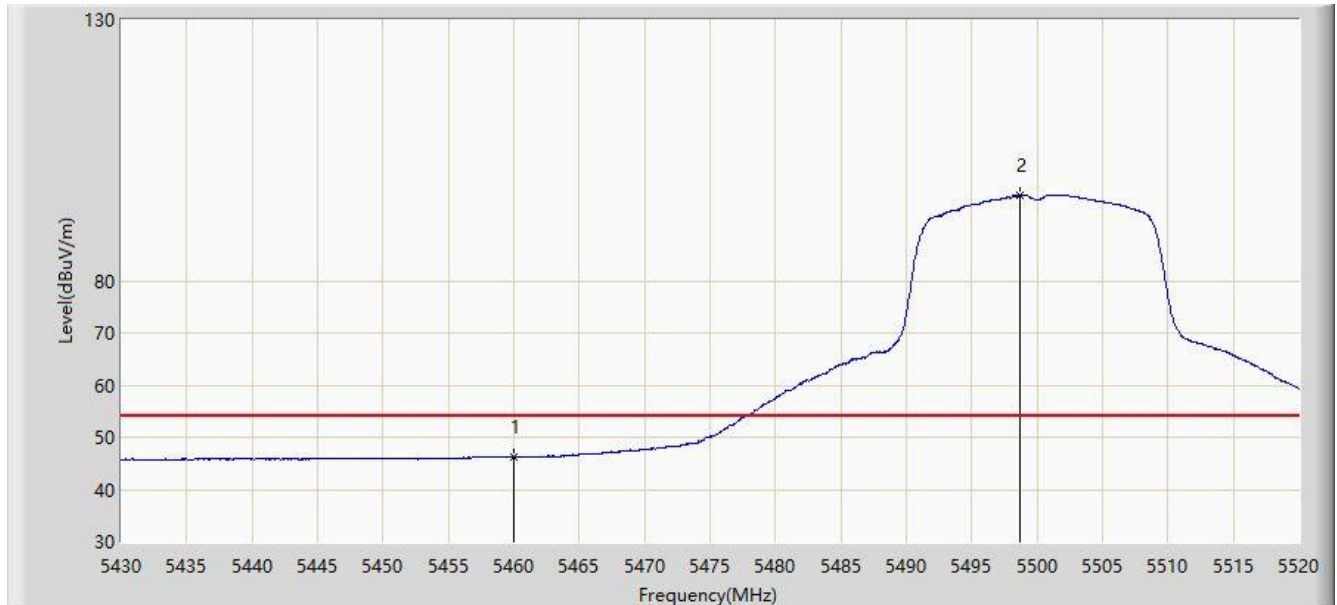


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5447.595	57.992	53.777	-16.008	74.000	4.215	PK
2			5460.000	57.025	52.797	-16.975	74.000	4.228	PK
3			5466.450	60.601	56.366	-7.599	68.200	4.235	PK
4			5470.000	59.296	55.057	-8.904	68.200	4.238	PK
5		*	5498.985	105.012	100.735	N/A	N/A	4.276	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

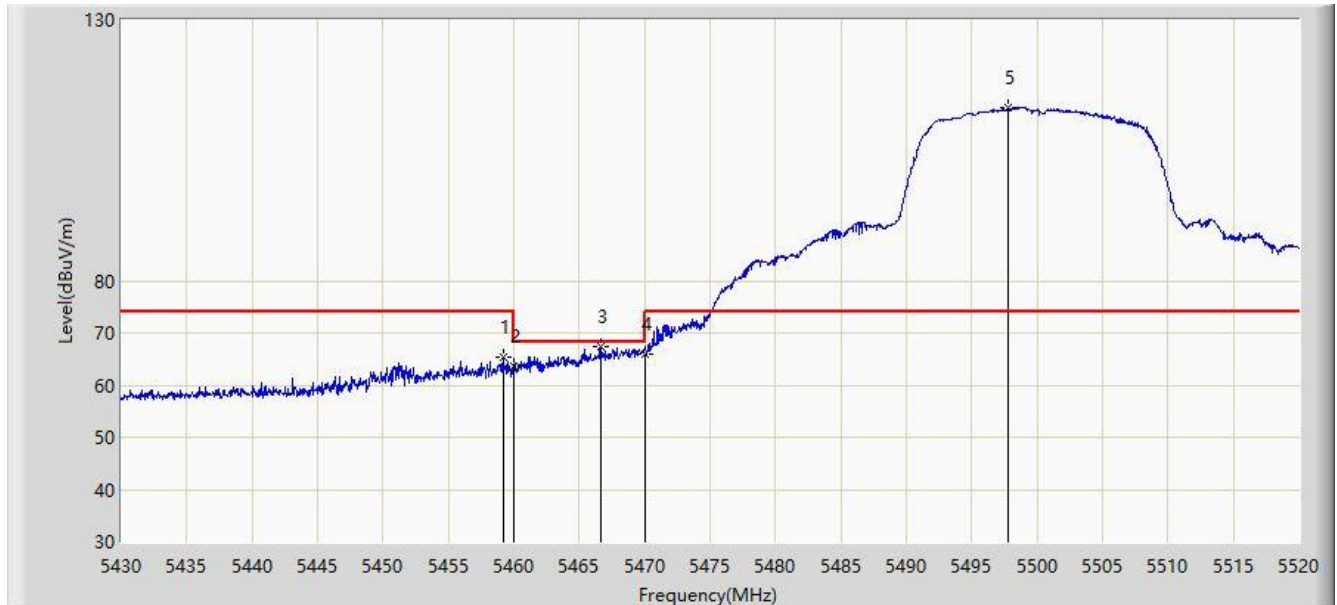


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.216	41.988	-7.784	54.000	4.228	AV
2		*	5498.670	96.335	92.059	N/A	N/A	4.275	AV

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

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

Site: AC1	Time: 2021/05/26 - 02:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

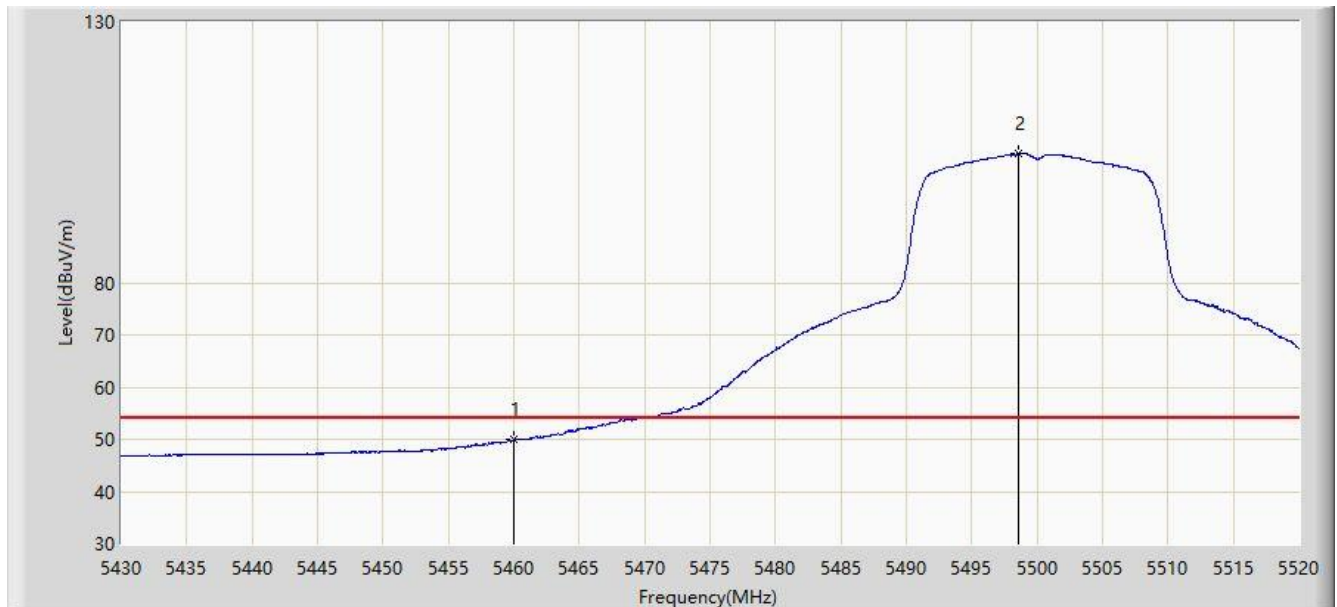


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.160	65.436	61.209	-8.564	74.000	4.226	PK
2			5460.000	63.664	59.436	-10.336	74.000	4.228	PK
3			5466.630	67.419	63.184	-0.781	68.200	4.236	PK
4			5470.000	65.855	61.616	-2.345	68.200	4.238	PK
5		*	5497.815	113.124	108.849	N/A	N/A	4.275	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5500MHz	

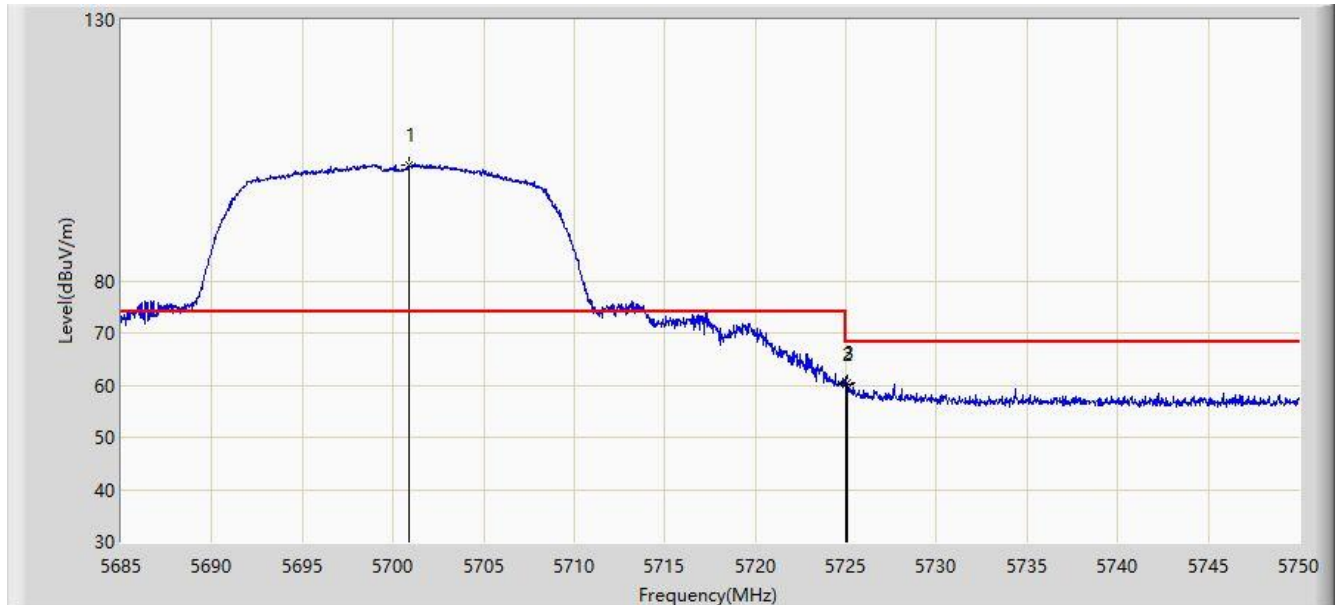


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	49.868	45.640	-4.132	54.000	4.228	AV
2		*	5498.535	104.699	100.423	N/A	N/A	4.275	AV

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

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

Site: AC1	Time: 2021/05/26 - 02:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz	

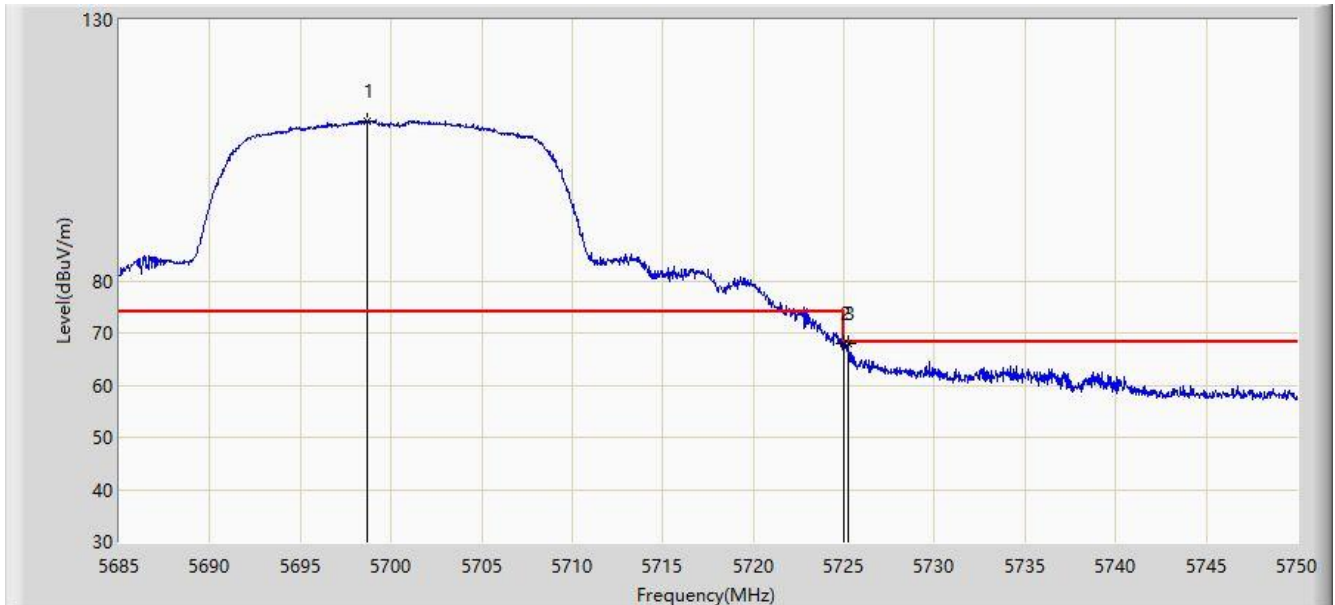


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5700.893	102.227	97.306	N/A	N/A	4.921	PK
2			5725.000	60.196	55.197	-8.004	68.200	4.999	PK
3			5725.072	60.378	55.378	-7.822	68.200	4.999	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5700MHz	

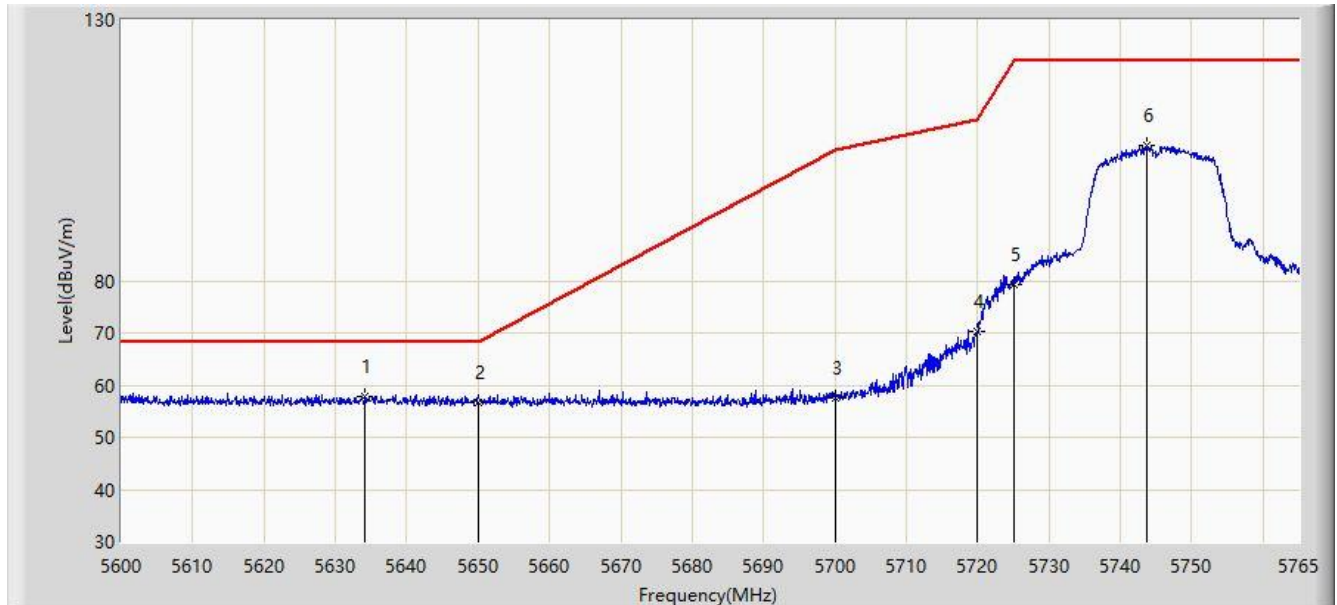


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5698.683	110.596	105.682	N/A	N/A	4.914	PK
2			5725.000	68.036	63.037	-0.164	68.200	4.999	PK
3			5725.203	68.053	63.053	-0.147	68.200	5.000	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz	

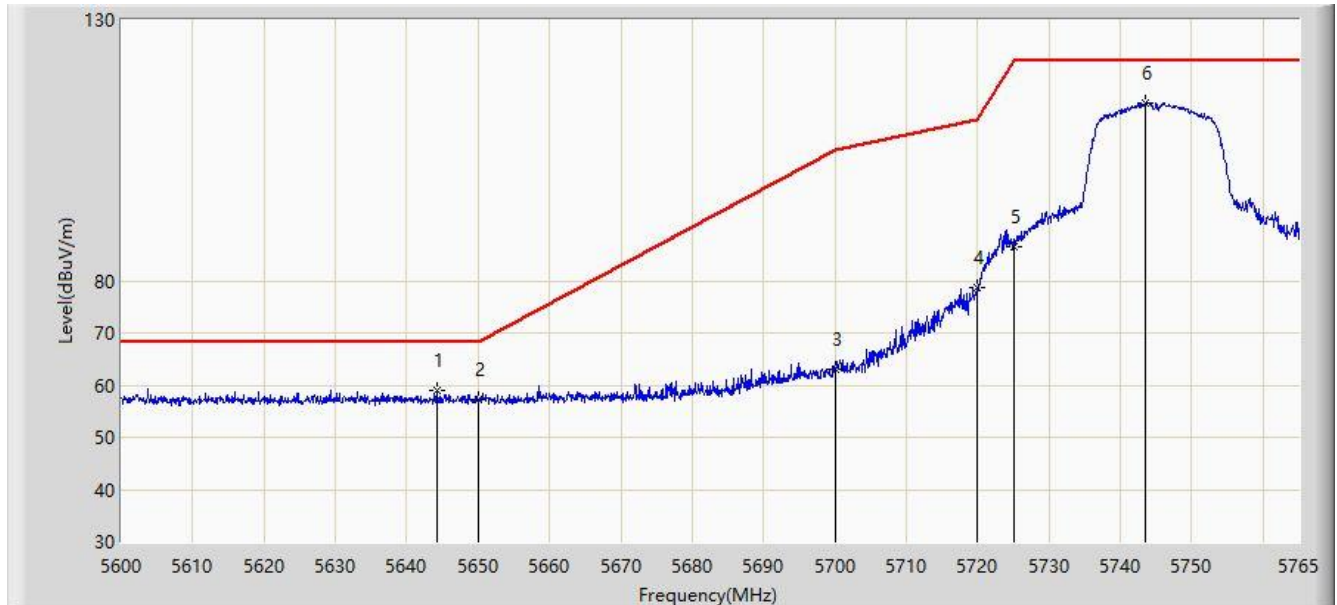


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.155	57.847	53.142	-10.353	68.200	4.705	PK
2			5650.000	56.631	51.874	-11.569	68.200	4.756	PK
3			5700.000	57.513	52.595	-47.687	105.200	4.918	PK
4			5720.000	70.272	65.289	-40.528	110.800	4.983	PK
5			5725.000	79.157	74.158	-43.043	122.200	4.999	PK
6			5743.632	105.826	100.767	N/A	N/A	5.059	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz	

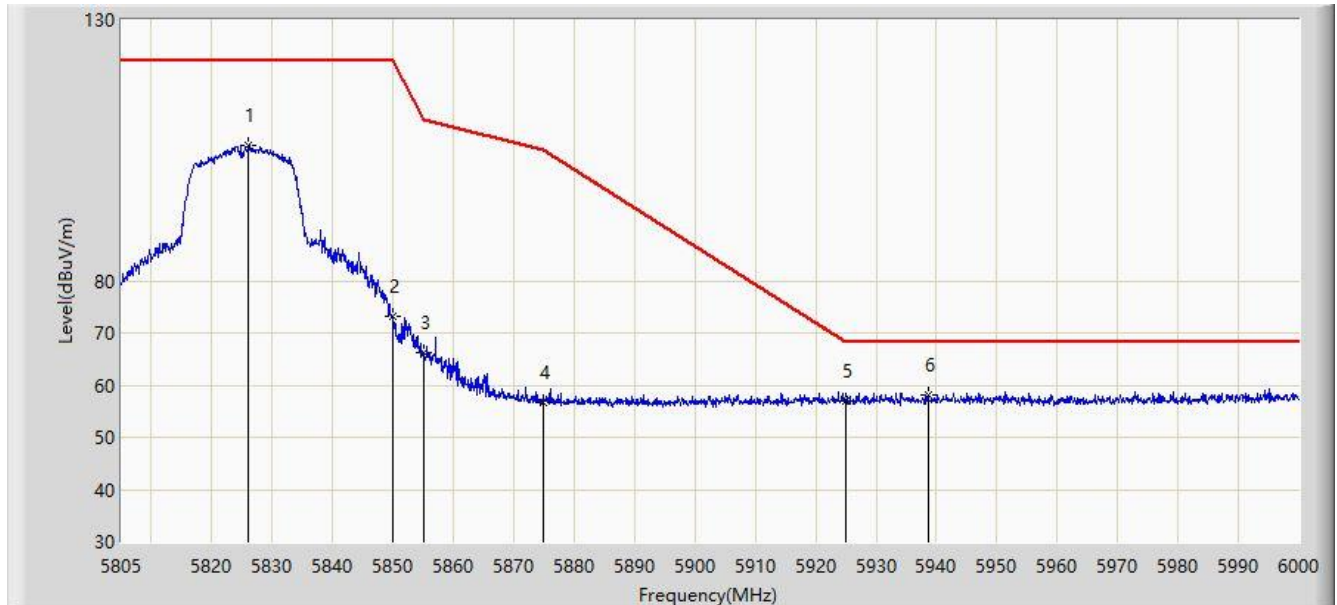


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.303	59.088	54.350	-9.112	68.200	4.739	PK
2			5650.000	57.189	52.432	-11.011	68.200	4.756	PK
3			5700.000	63.068	58.150	-42.132	105.200	4.918	PK
4			5720.000	78.627	73.644	-32.173	110.800	4.983	PK
5			5725.000	86.500	81.501	-35.700	122.200	4.999	PK
6		*	5743.550	114.046	108.987	N/A	N/A	5.058	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz	

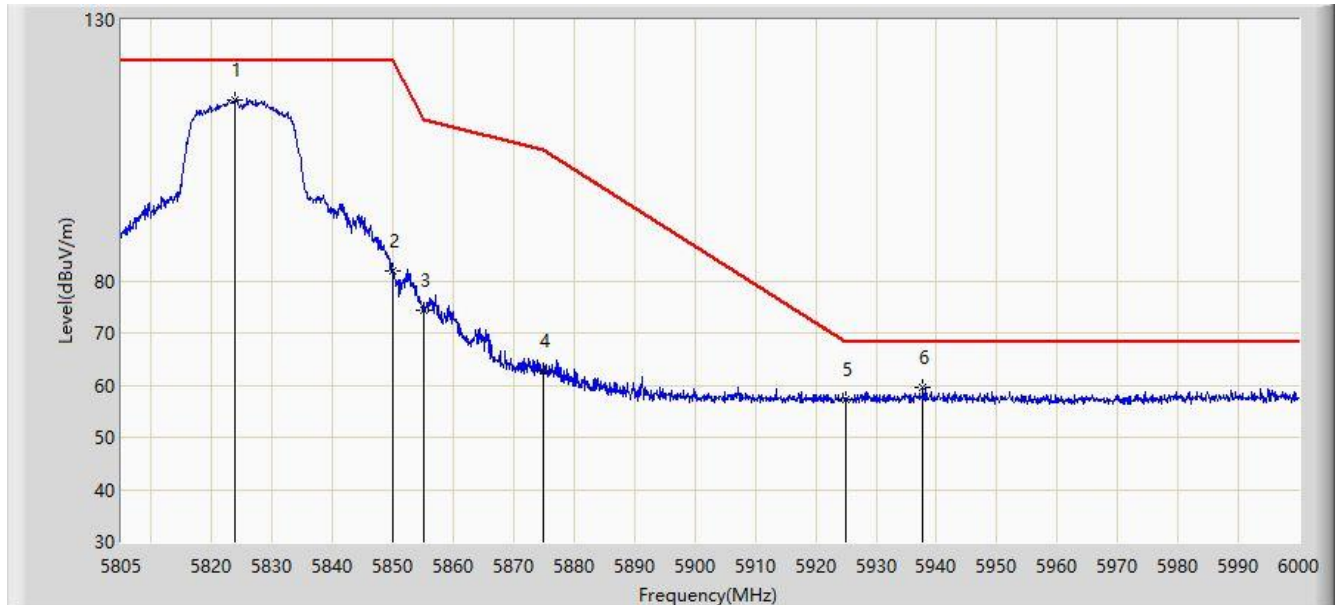


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.060	105.997	100.671	N/A	N/A	5.327	PK
2			5850.000	73.085	67.681	-49.115	122.200	5.404	PK
3			5855.000	66.094	60.674	-44.706	110.800	5.420	PK
4			5875.000	56.582	51.098	-48.618	105.200	5.485	PK
5			5925.000	56.874	51.227	-11.326	68.200	5.647	PK
6		*	5938.575	58.207	52.516	-9.993	68.200	5.692	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz	

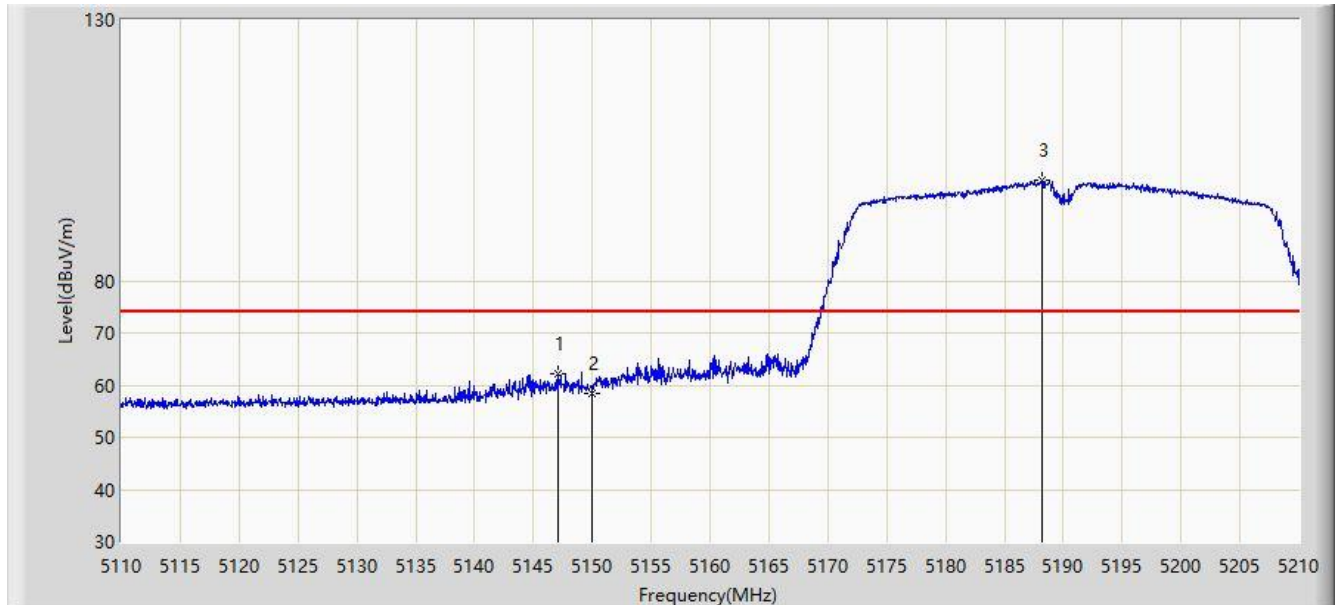


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.817	114.686	109.367	N/A	N/A	5.319	PK
2			5850.000	81.772	76.368	-40.428	122.200	5.404	PK
3			5855.000	74.277	68.857	-36.523	110.800	5.420	PK
4			5875.000	62.814	57.330	-42.386	105.200	5.485	PK
5			5925.000	57.344	51.697	-10.856	68.200	5.647	PK
6			5937.697	59.626	53.937	-8.574	68.200	5.688	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	

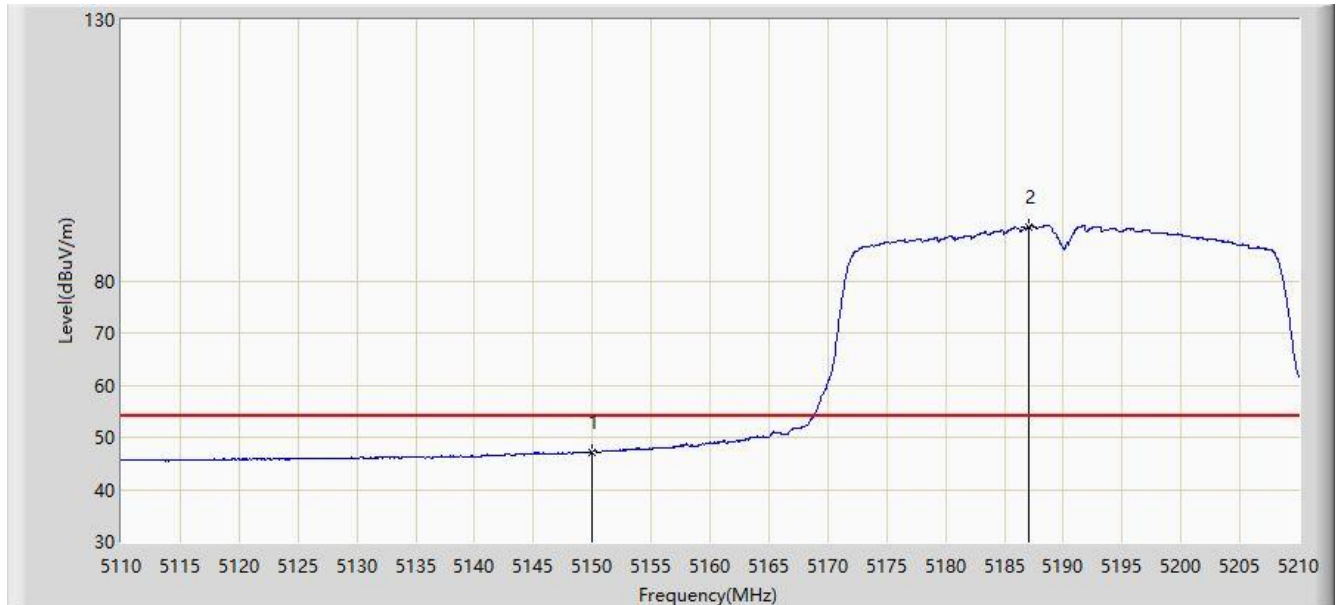


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.100	62.243	58.340	-11.757	74.000	3.902	PK
2			5150.000	58.363	54.457	-15.637	74.000	3.906	PK
3		*	5188.250	99.366	95.420	N/A	N/A	3.946	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	

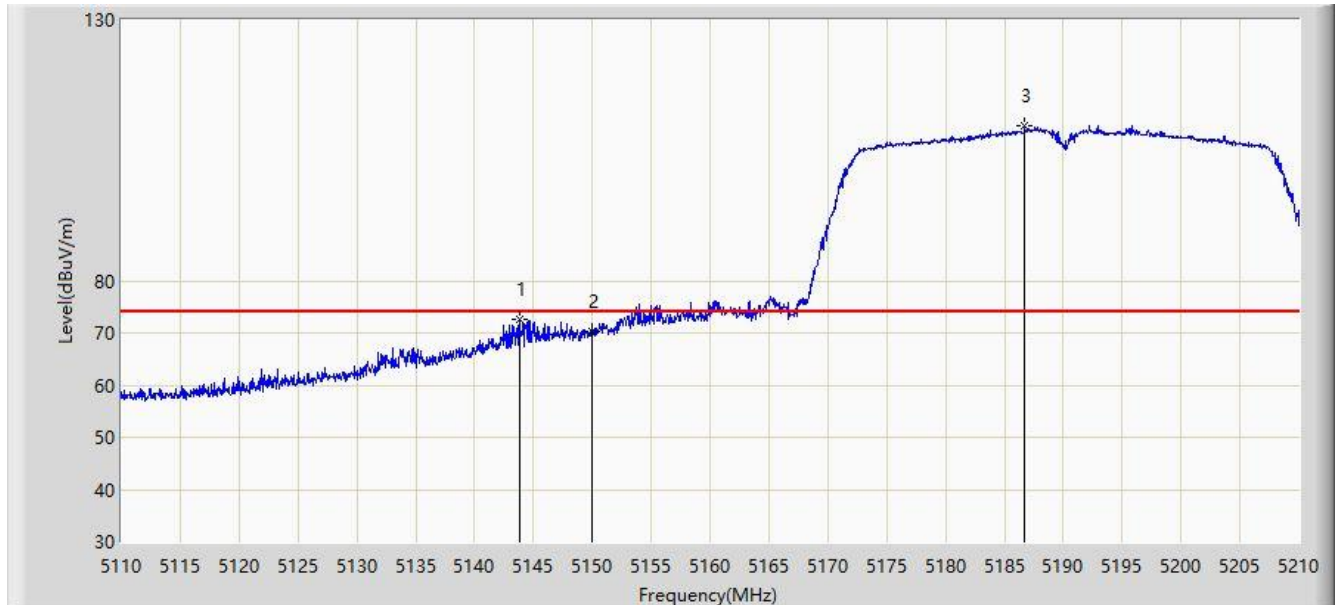


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.227	43.321	-6.773	54.000	3.906	AV
2		*	5187.100	90.407	86.463	N/A	N/A	3.945	AV

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

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

Site: AC1	Time: 2021/05/26 - 02:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	

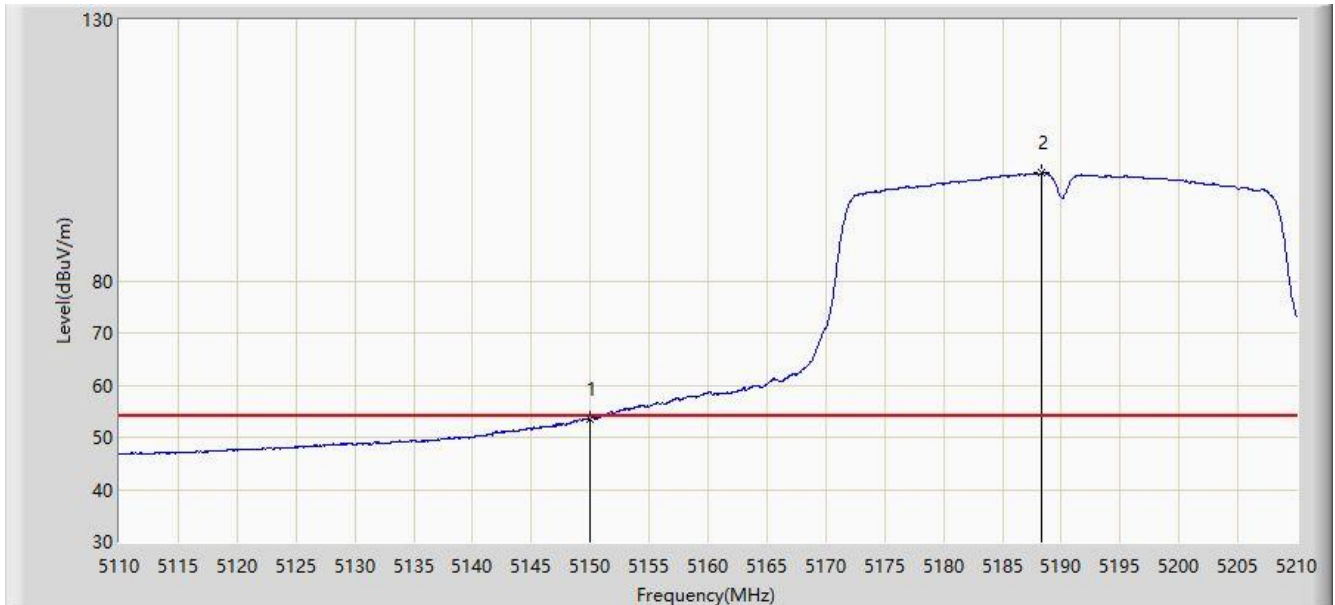


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.800	72.597	68.697	-1.403	74.000	3.900	PK
2			5150.000	70.207	66.301	-3.793	74.000	3.906	PK
3		*	5186.750	109.680	105.736	N/A	N/A	3.944	PK

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

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

Site: AC1	Time: 2021/05/26 - 02:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz	

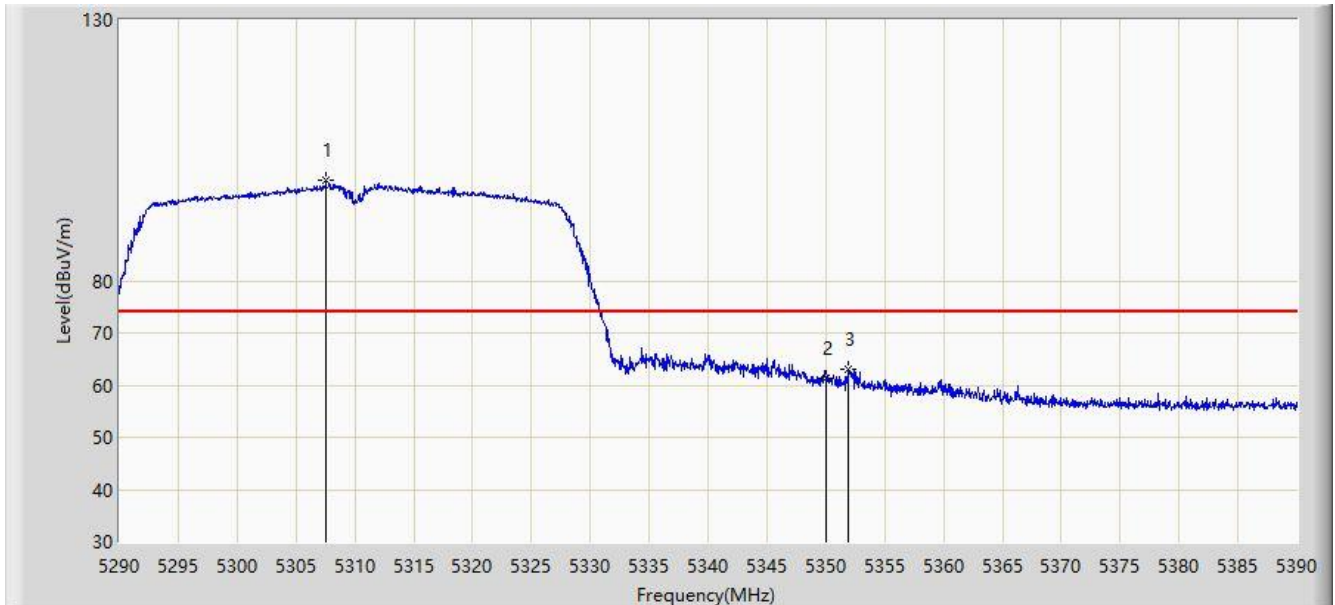


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.580	49.674	-0.420	54.000	3.906	AV
2		*	5188.350	100.658	96.712	N/A	N/A	3.946	AV

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

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

Site: AC1	Time: 2021/05/26 - 03:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

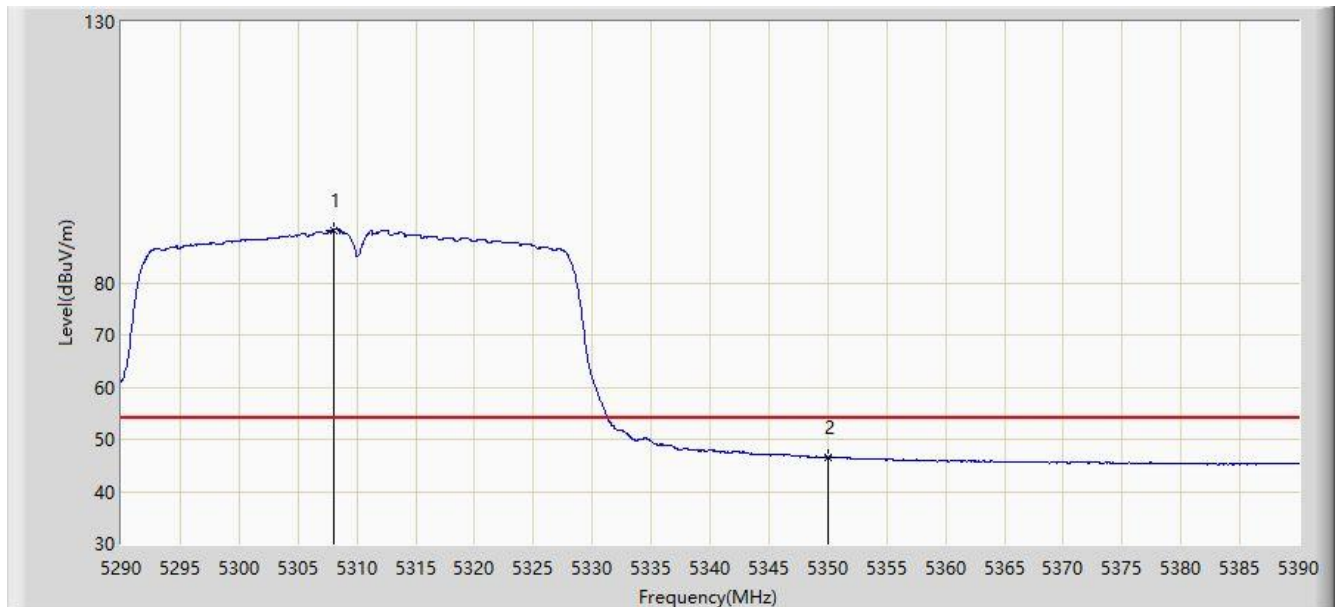


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5307.550	99.183	95.113	N/A	N/A	4.070	PK
2			5350.000	61.199	57.085	-12.801	74.000	4.114	PK
3			5351.950	63.103	58.987	-10.897	74.000	4.116	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

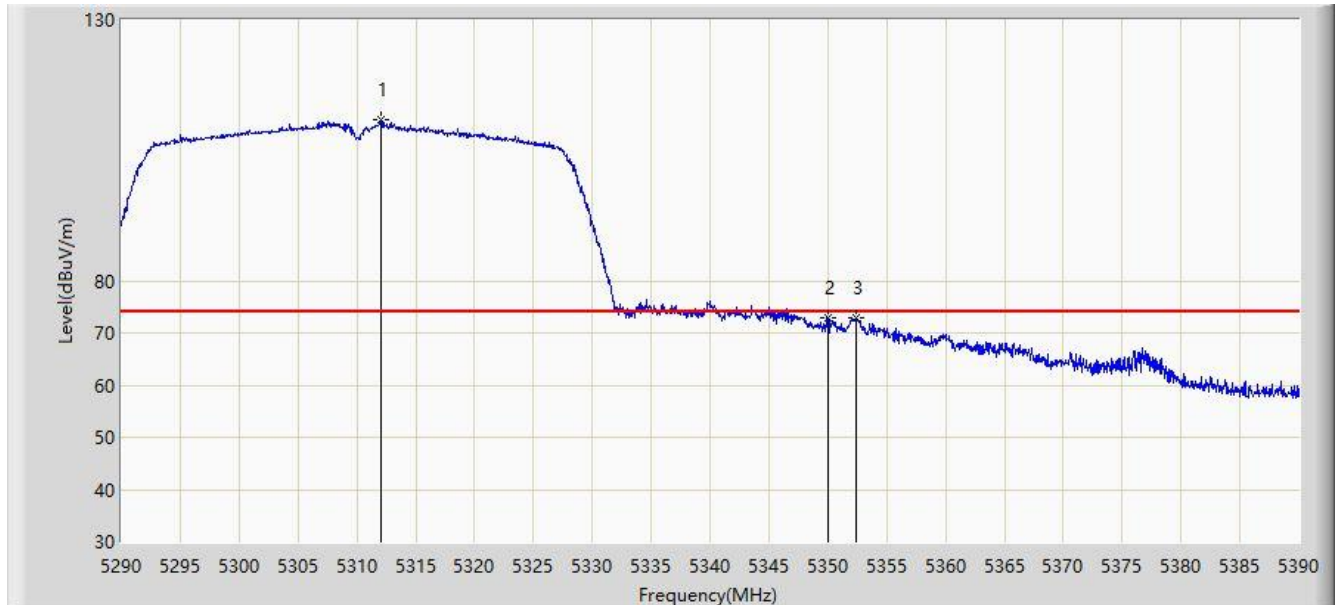


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5308.000	90.131	86.060	N/A	N/A	4.070	AV
2			5350.000	46.567	42.453	-7.433	54.000	4.114	AV

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

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

Site: AC1	Time: 2021/05/26 - 03:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

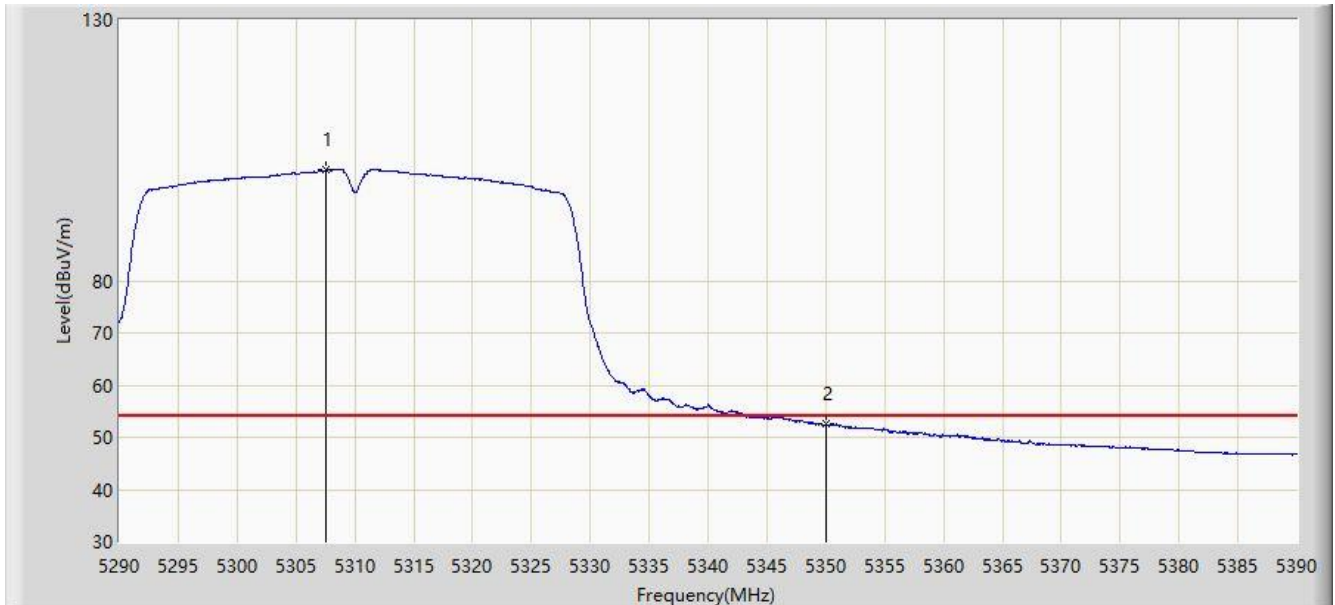


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.000	110.729	106.654	N/A	N/A	4.074	PK
2			5350.000	72.779	68.665	-1.221	74.000	4.114	PK
3			5352.450	72.828	68.712	-1.172	74.000	4.116	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz	

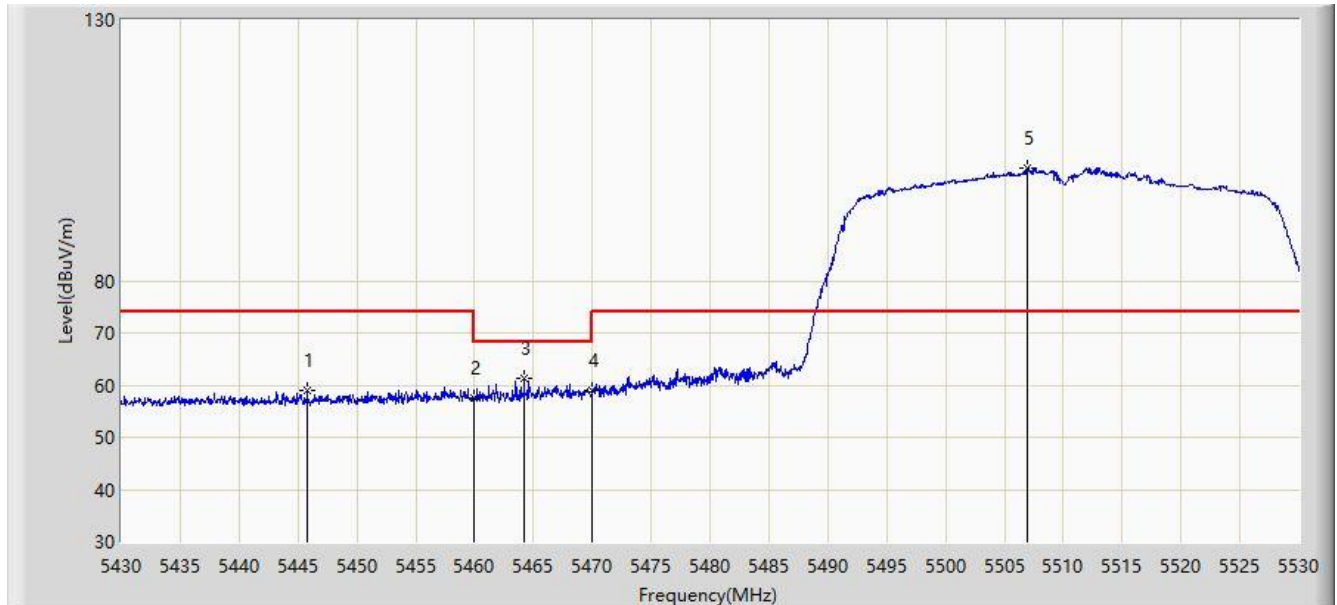


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5307.600	101.280	97.210	N/A	N/A	4.070	AV
2			5350.000	52.545	48.431	-1.455	54.000	4.114	AV

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

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

Site: AC1	Time: 2021/05/26 - 03:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

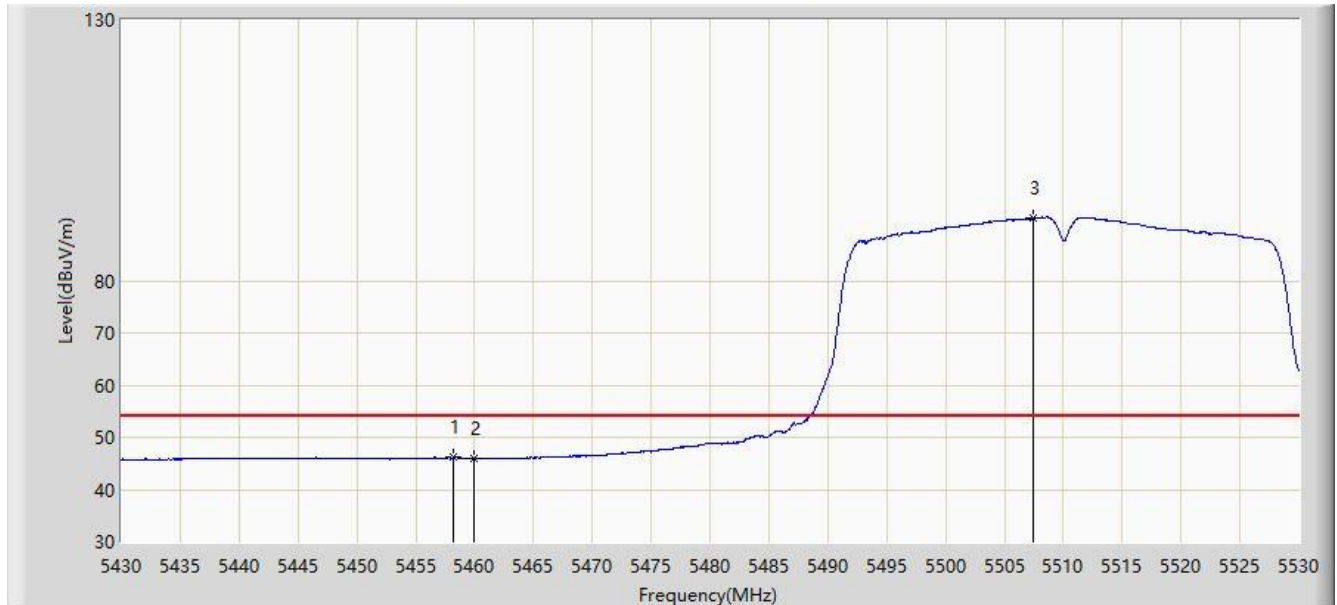


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5445.800	59.096	54.883	-14.904	74.000	4.212	PK
2			5460.000	57.638	53.410	-16.362	74.000	4.228	PK
3			5464.200	61.209	56.977	-6.991	68.200	4.232	PK
4			5470.000	59.126	54.887	-9.074	68.200	4.238	PK
5		*	5507.000	101.630	97.337	N/A	N/A	4.293	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

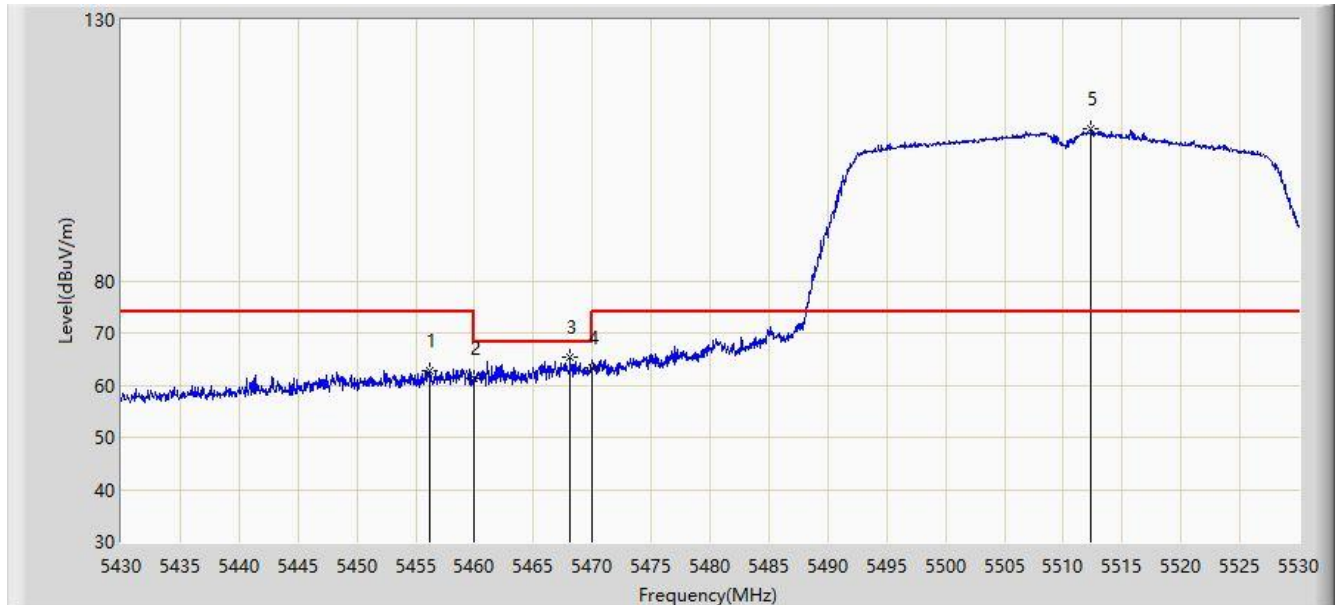


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.250	46.099	41.873	-7.901	54.000	4.227	AV
2			5460.000	45.997	41.769	-8.003	54.000	4.228	AV
3		*	5507.450	91.979	87.685	N/A	N/A	4.295	AV

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

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

Site: AC1	Time: 2021/05/26 - 03:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

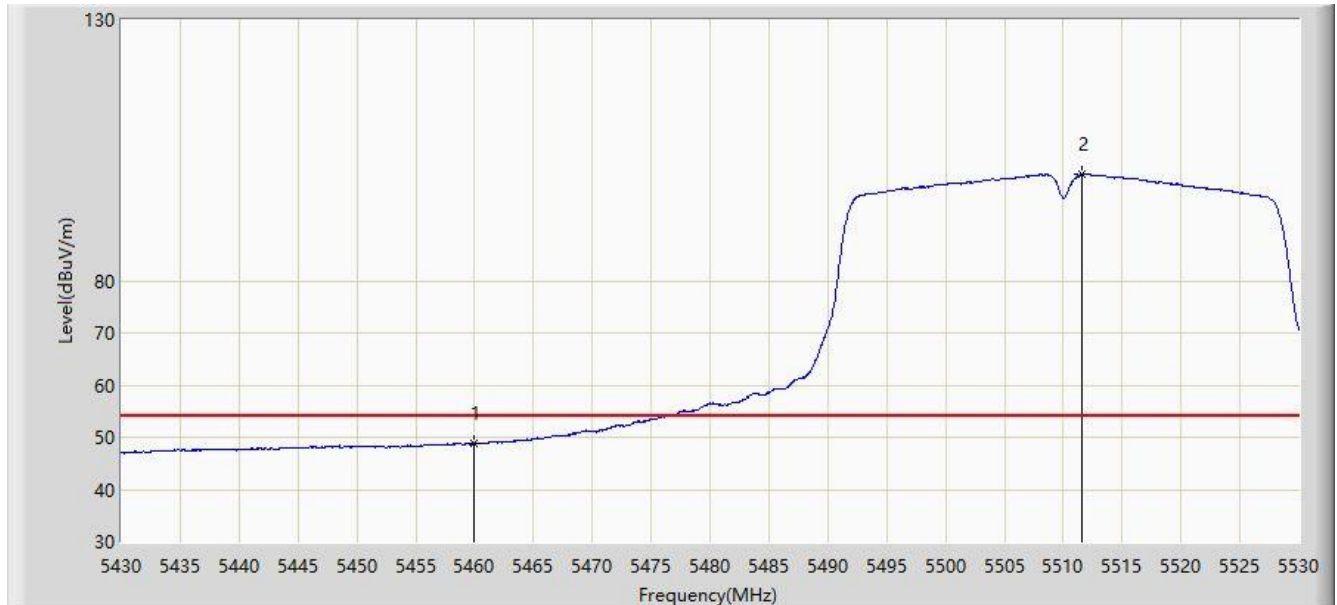


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.150	62.779	58.556	-11.221	74.000	4.223	PK
2			5460.000	61.392	57.164	-12.608	74.000	4.228	PK
3			5468.100	65.350	61.113	-2.850	68.200	4.237	PK
4			5470.000	63.376	59.137	-4.824	68.200	4.238	PK
5		*	5512.350	109.206	104.896	N/A	N/A	4.311	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz	

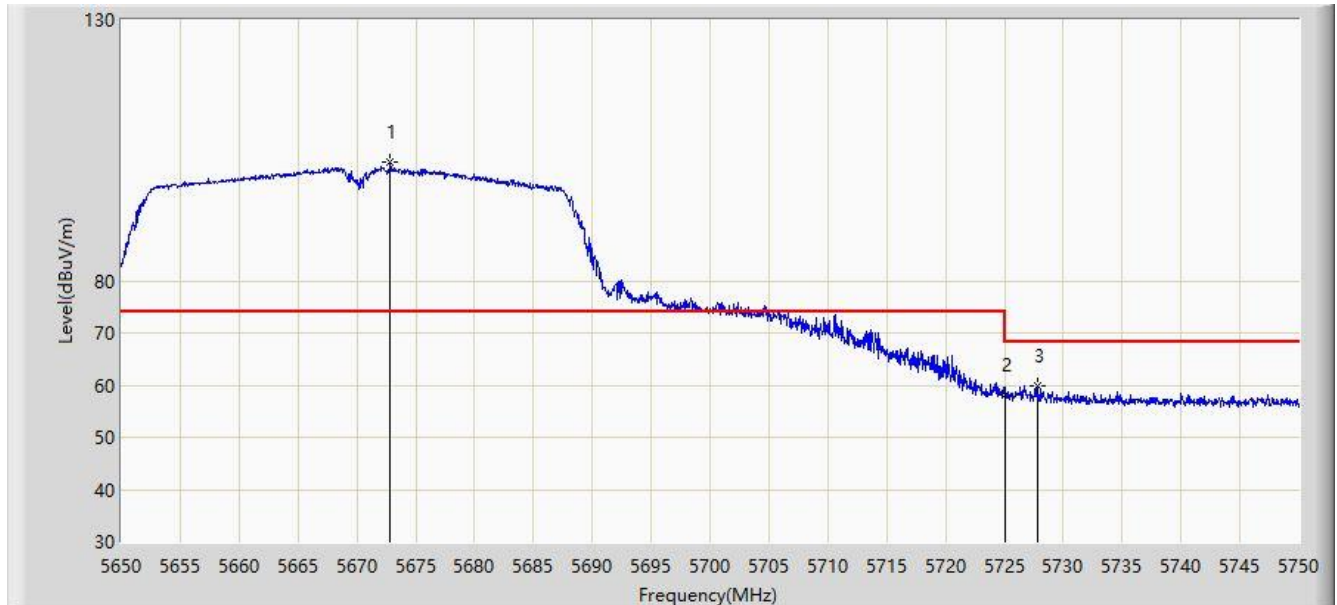


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	48.863	44.635	-5.137	54.000	4.228	AV
2		*	5511.550	100.417	96.109	N/A	N/A	4.307	AV

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

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

Site: AC1	Time: 2021/05/26 - 03:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz	

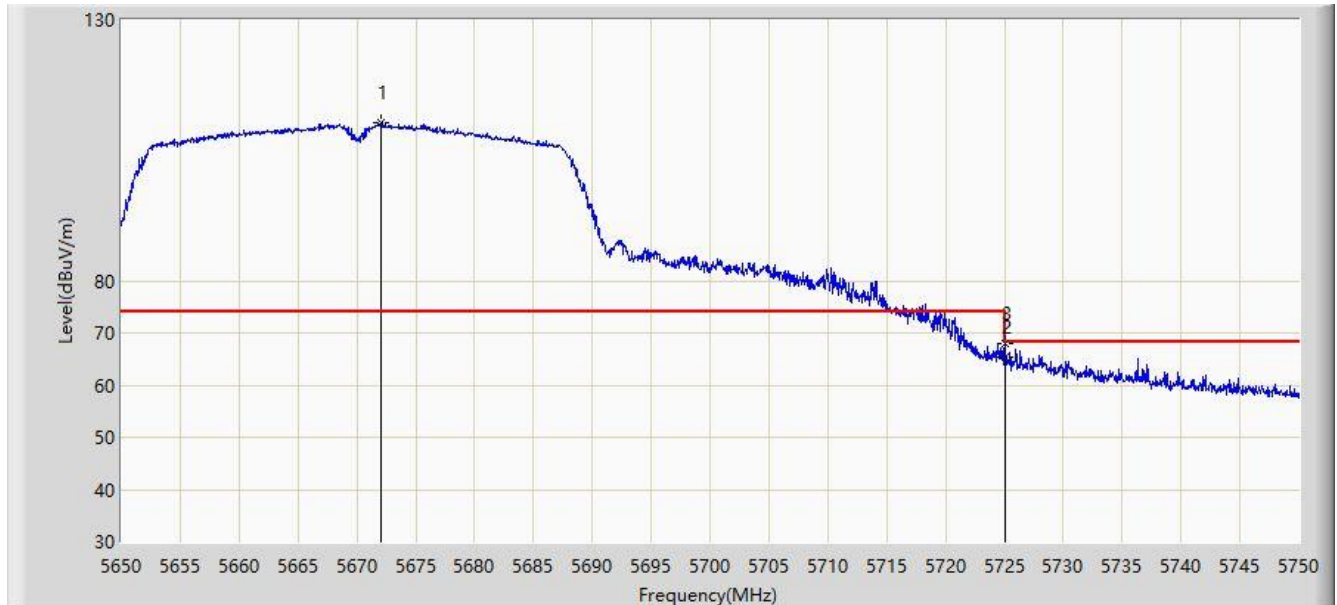


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5672.850	102.763	97.933	N/A	N/A	4.830	PK
2			5725.000	57.981	52.982	-10.219	68.200	4.999	PK
3			5727.800	59.723	54.715	-8.477	68.200	5.008	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:27
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz	

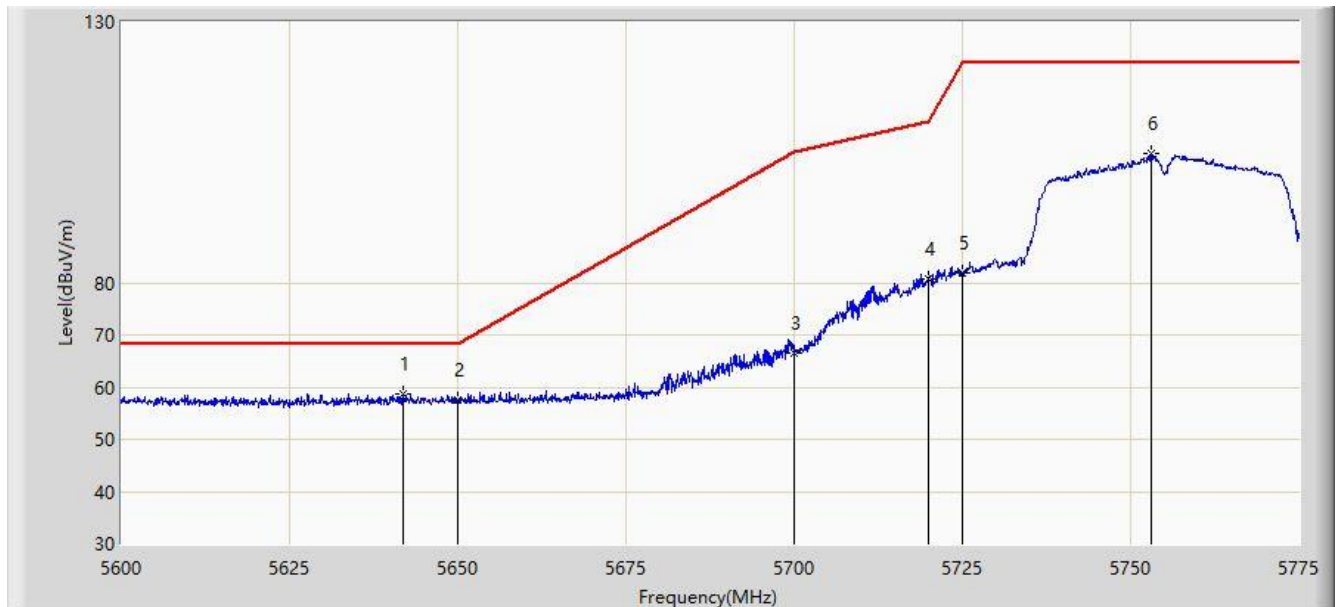


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5672.000	110.348	105.521	N/A	N/A	4.828	PK
2			5725.000	65.228	60.229	-2.972	68.200	4.999	PK
3			5725.050	67.910	62.910	-0.290	68.200	4.999	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz	

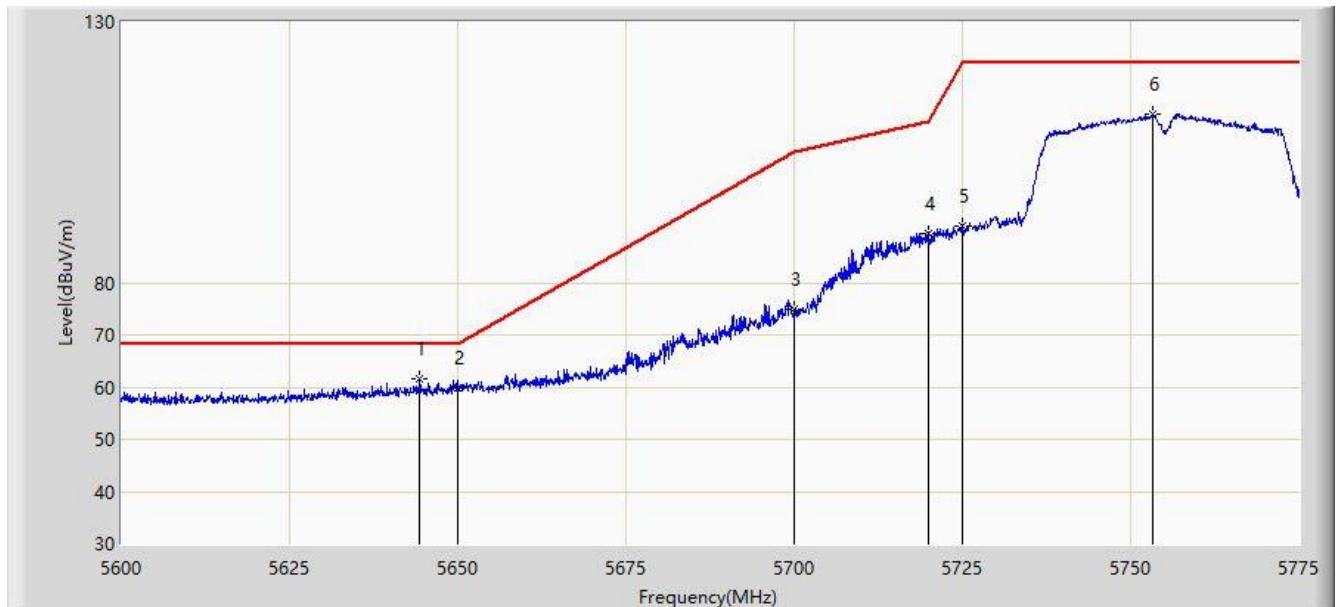


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5641.825	58.728	53.998	-9.472	68.200	4.731	PK
2			5650.000	57.446	52.689	-10.754	68.200	4.756	PK
3			5700.000	66.432	61.514	-38.768	105.200	4.918	PK
4			5720.000	80.860	75.877	-29.940	110.800	4.983	PK
5			5725.000	81.910	76.911	-40.290	122.200	4.999	PK
6			5753.038	104.839	99.750	N/A	N/A	5.089	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz	

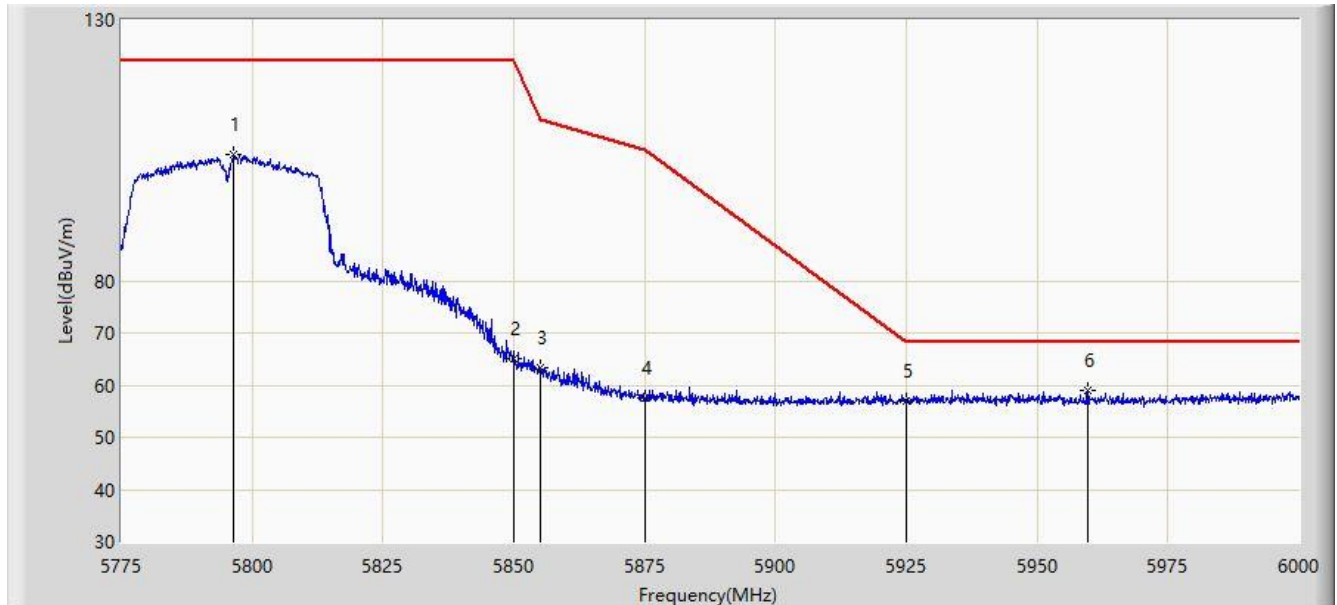


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5644.362	61.525	56.786	-6.675	68.200	4.739	PK
2			5650.000	59.880	55.123	-8.320	68.200	4.756	PK
3			5700.000	74.904	69.986	-30.296	105.200	4.918	PK
4			5720.000	89.319	84.336	-21.481	110.800	4.983	PK
5			5725.000	90.875	85.876	-31.325	122.200	4.999	PK
6			5753.388	112.213	107.122	N/A	N/A	5.090	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz	

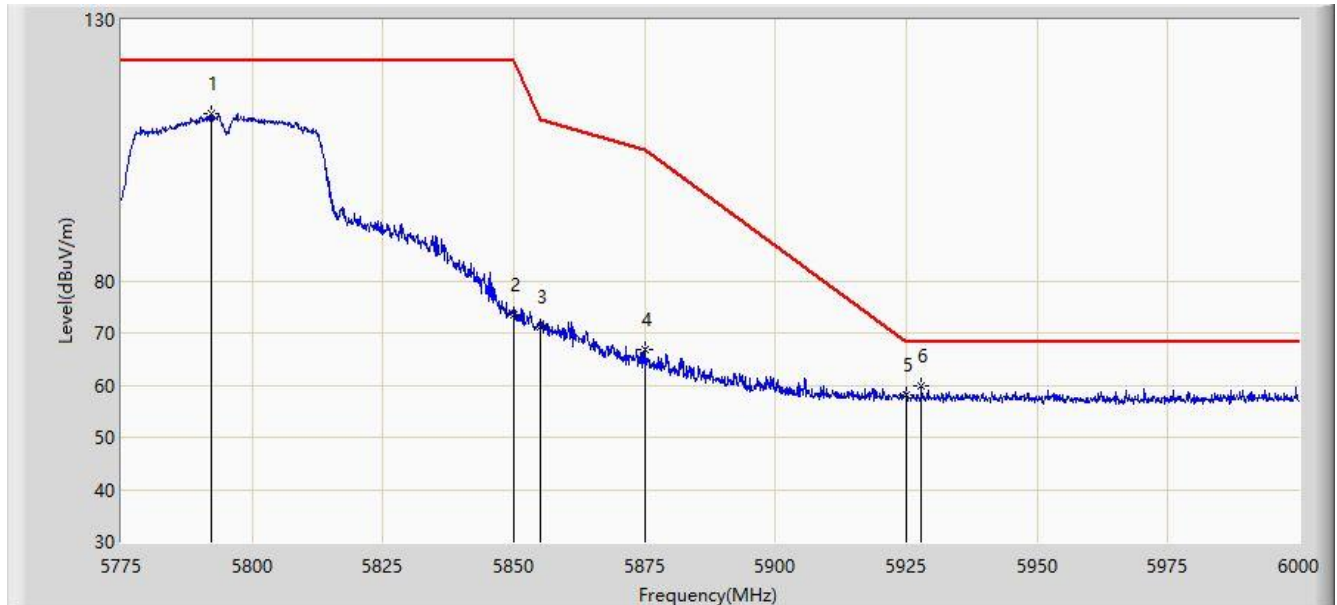


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5796.487	104.278	99.047	N/A	N/A	5.230	PK
2			5850.000	65.206	59.802	-56.994	122.200	5.404	PK
3			5855.000	63.266	57.846	-47.534	110.800	5.420	PK
4			5875.000	57.581	52.097	-47.619	105.200	5.485	PK
5			5925.000	56.934	51.287	-11.266	68.200	5.647	PK
6		*	5959.725	59.032	53.273	-9.168	68.200	5.759	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz	

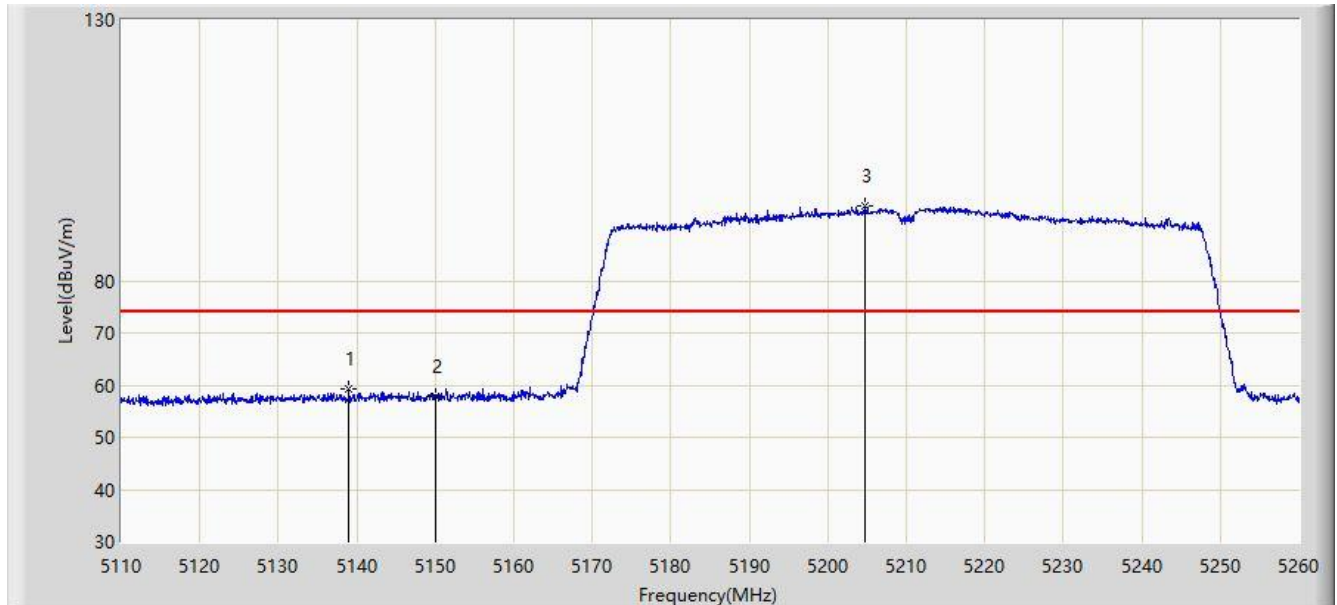


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5792.325	111.905	106.688	N/A	N/A	5.217	PK
2			5850.000	73.454	68.050	-48.746	122.200	5.404	PK
3			5855.000	71.179	65.759	-39.621	110.800	5.420	PK
4			5875.000	66.842	61.358	-38.358	105.200	5.485	PK
5			5925.000	58.226	52.579	-9.974	68.200	5.647	PK
6		*	5927.888	59.779	54.123	-8.421	68.200	5.656	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

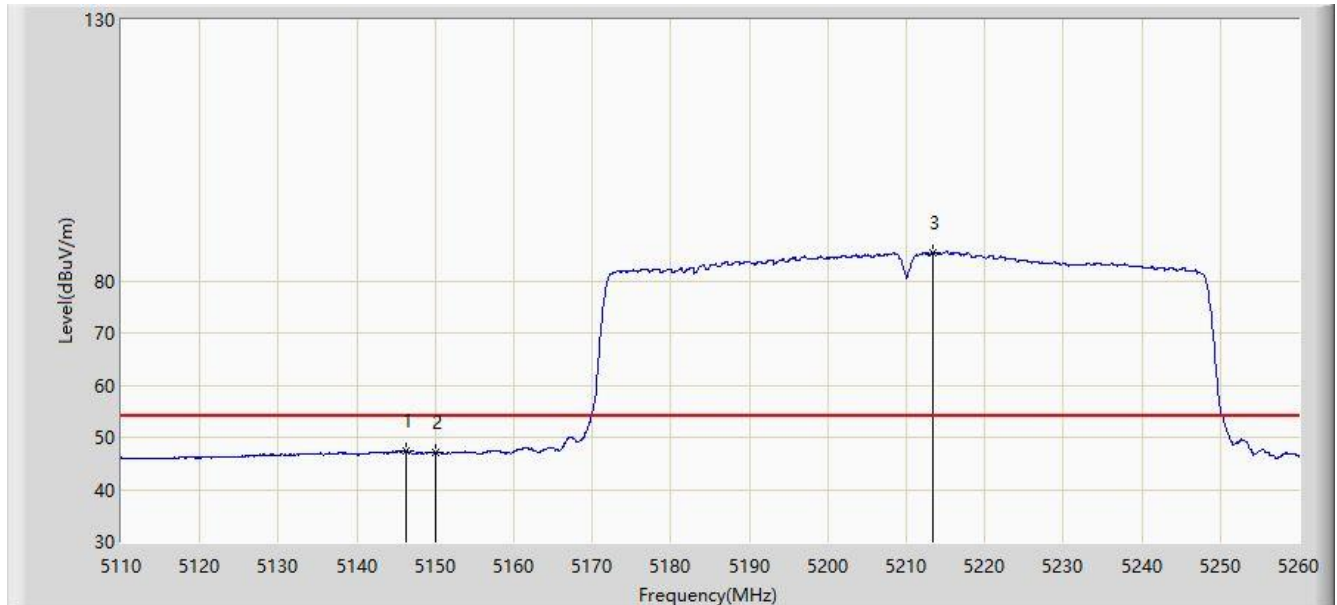


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5139.025	59.245	55.350	-14.755	74.000	3.896	PK
2			5150.000	57.746	53.840	-16.254	74.000	3.906	PK
3		*	5204.650	94.347	90.384	N/A	N/A	3.963	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

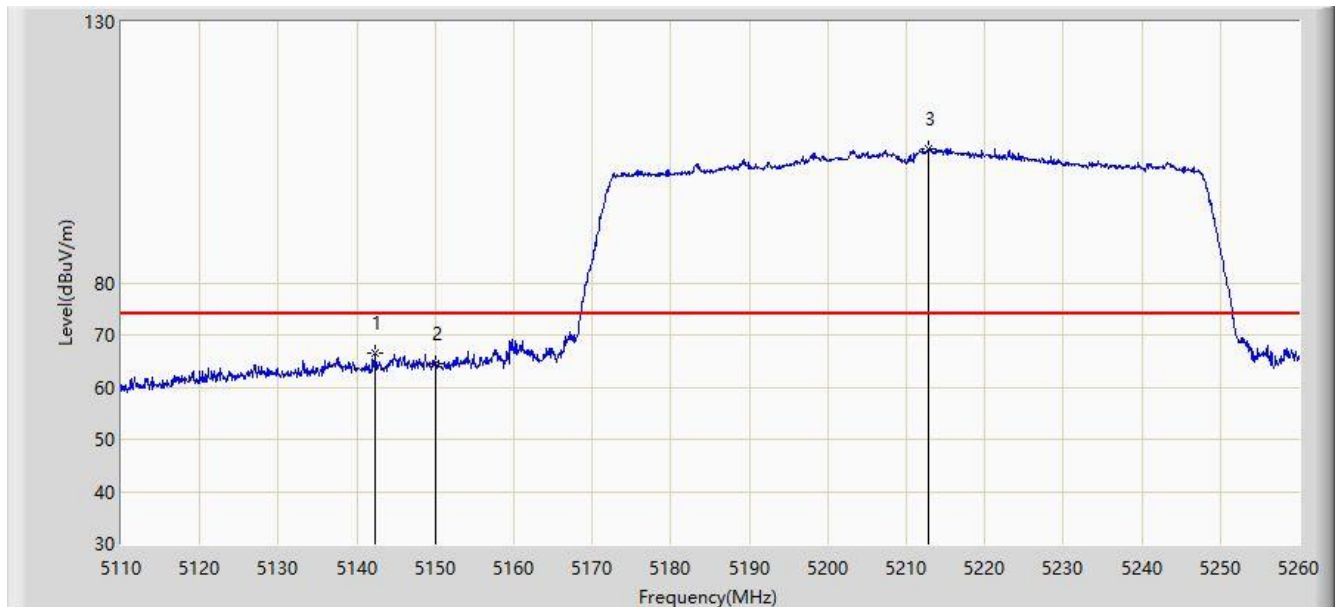


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.300	47.249	43.347	-6.751	54.000	3.903	AV
2			5150.000	47.165	43.259	-6.835	54.000	3.906	AV
3		*	5213.350	85.467	81.494	N/A	N/A	3.972	AV

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

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

Site: AC1	Time: 2021/05/26 - 03:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

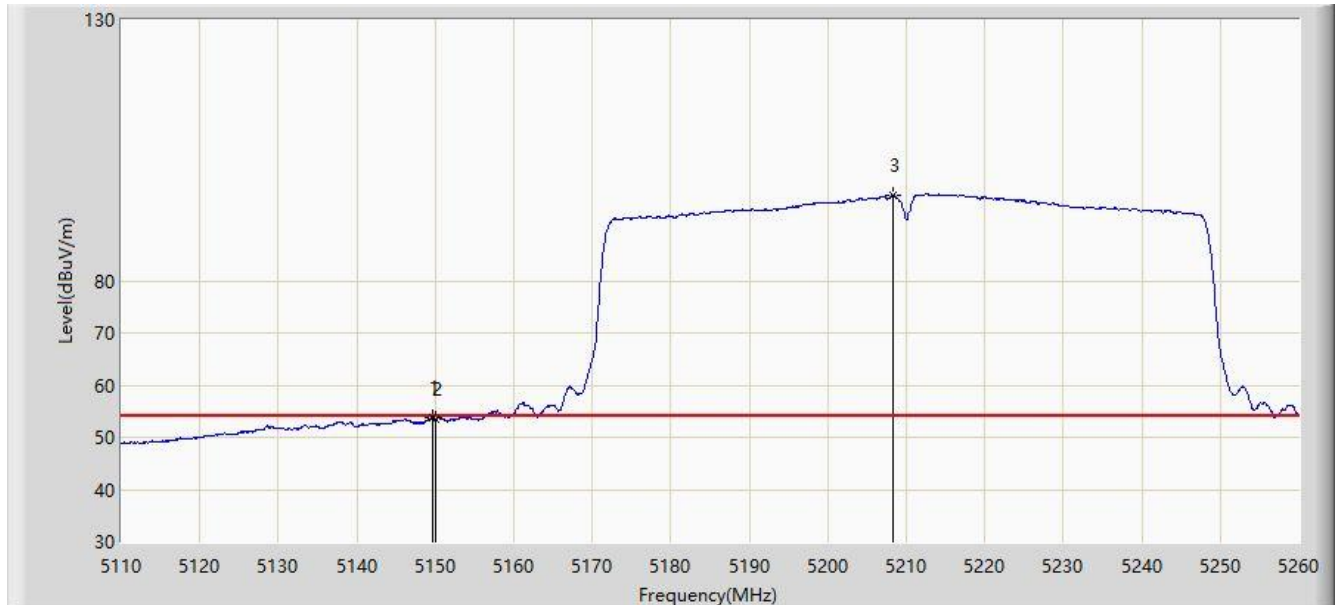


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.400	66.442	62.544	-7.558	74.000	3.898	PK
2			5150.000	64.426	60.520	-9.574	74.000	3.906	PK
3		*	5212.750	105.753	101.781	N/A	N/A	3.972	PK

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

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

Site: AC1	Time: 2021/05/26 - 03:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz	

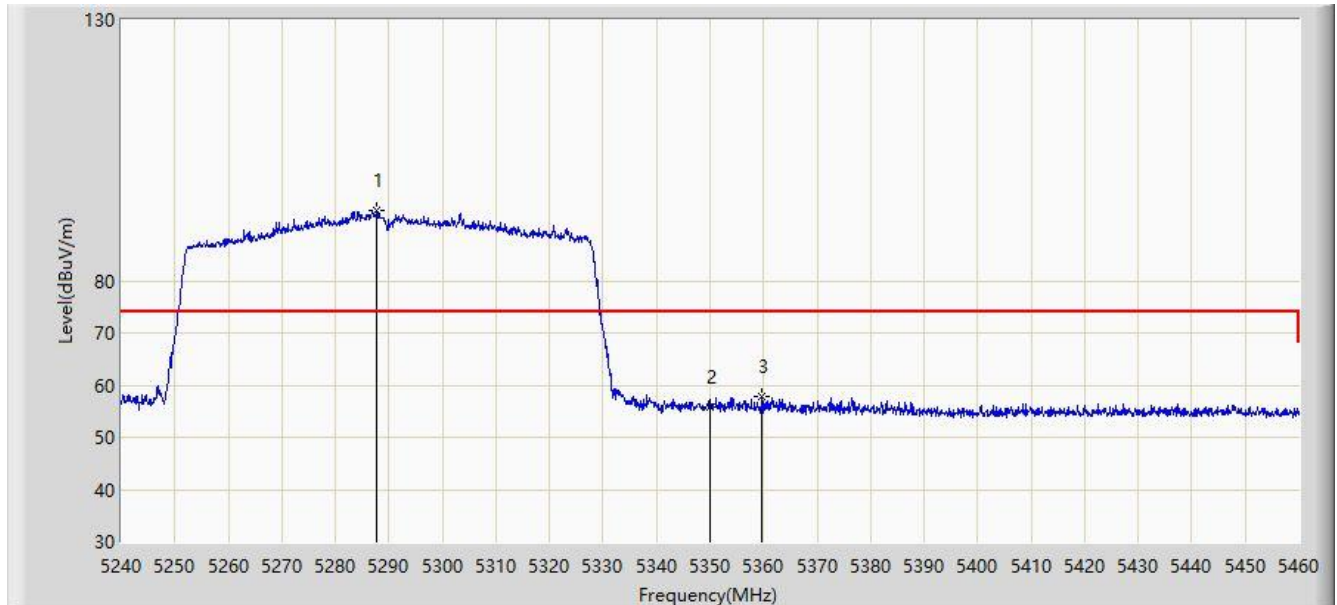


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.750	53.797	49.891	-0.203	54.000	3.905	AV
2			5150.000	53.427	49.521	-0.573	54.000	3.906	AV
3		*	5208.400	96.321	92.354	N/A	N/A	3.967	AV

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

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

Site: AC1	Time: 2021/05/31 - 10:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz	

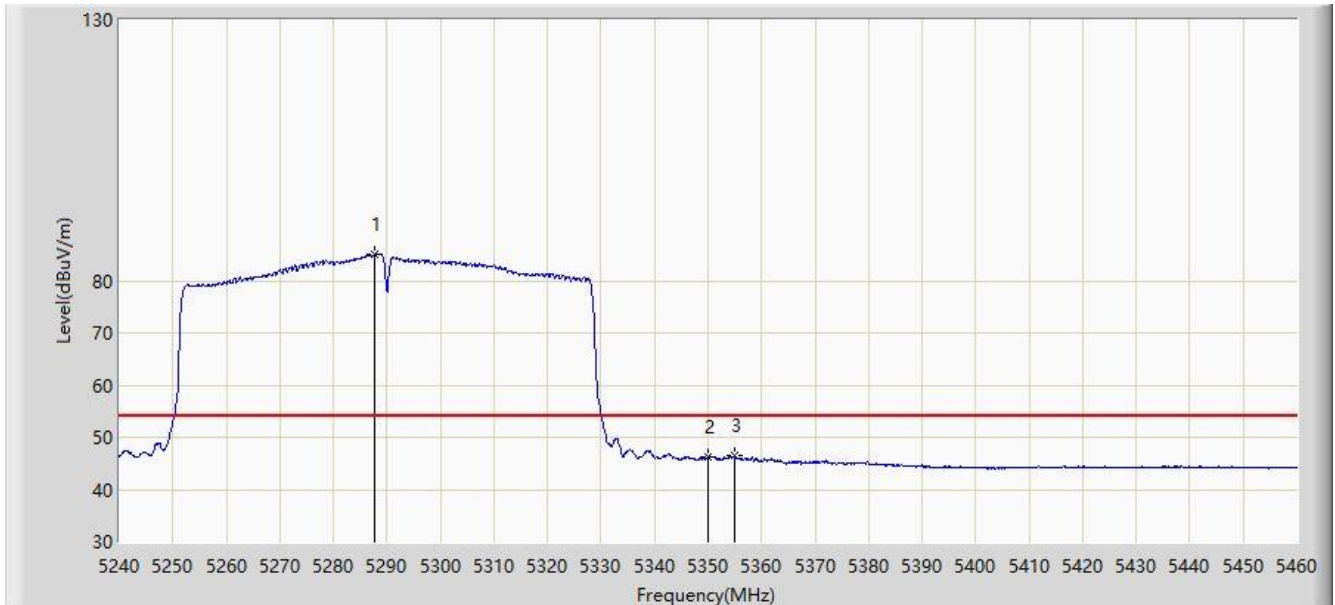


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5287.740	93.573	89.524	N/A	N/A	4.048	PK
2			5350.000	55.854	51.740	-18.146	74.000	4.114	PK
3			5359.680	57.853	53.729	-16.147	74.000	4.124	PK

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

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

Site: AC1	Time: 2021/05/31 - 10:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz	

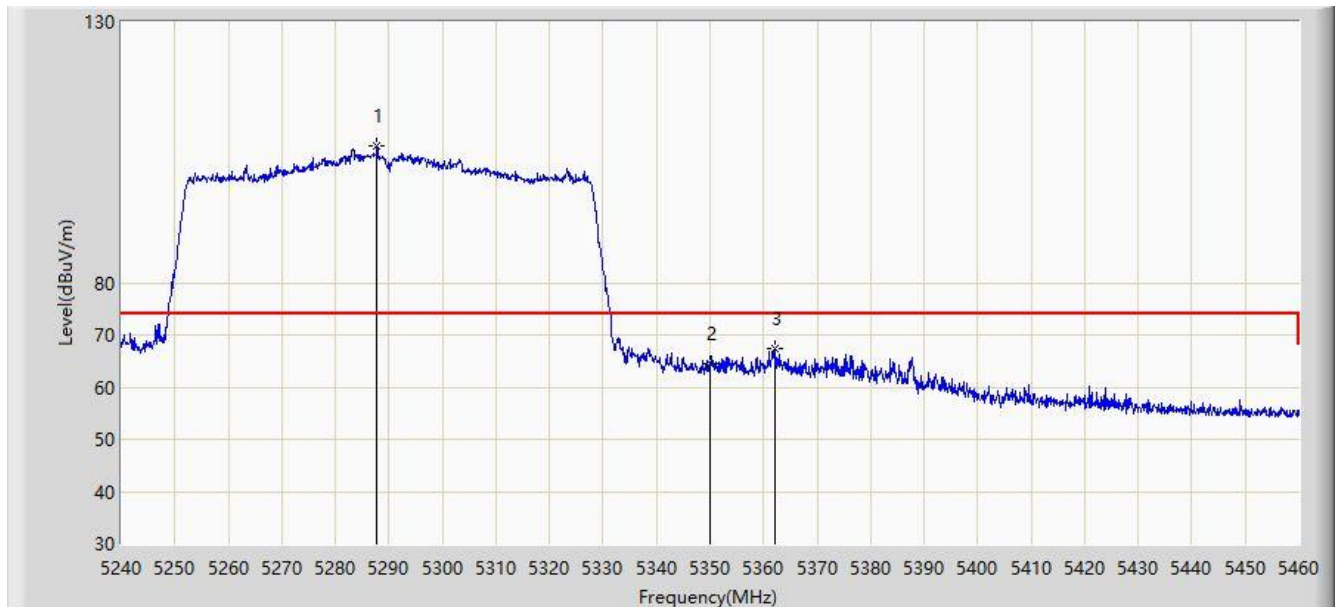


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5287.630	84.990	80.942	N/A	N/A	4.048	AV
2			5350.000	46.237	42.123	-7.763	54.000	4.114	AV
3			5354.840	46.388	42.269	-7.612	54.000	4.119	AV

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

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

Site: AC1	Time: 2021/05/31 - 10:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz	

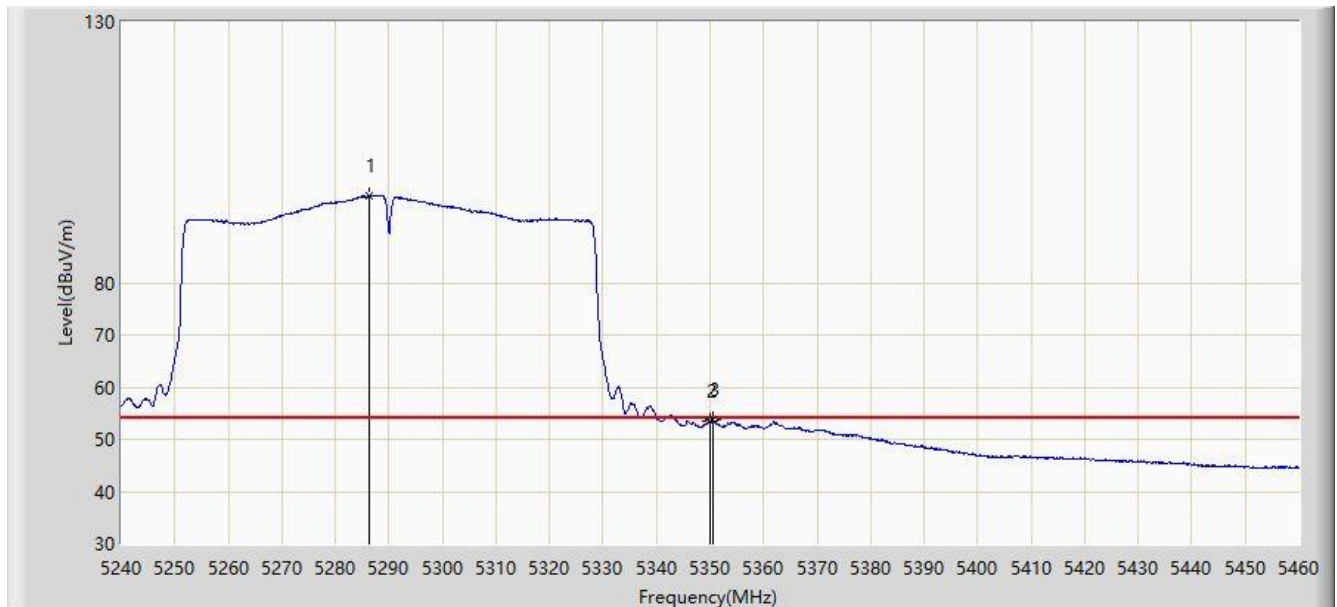


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5287.740	106.197	102.148	N/A	N/A	4.048	PK
2			5350.000	64.393	60.279	-9.607	74.000	4.114	PK
3			5362.210	67.505	63.379	-6.495	74.000	4.127	PK

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

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

Site: AC1	Time: 2021/05/31 - 10:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz	

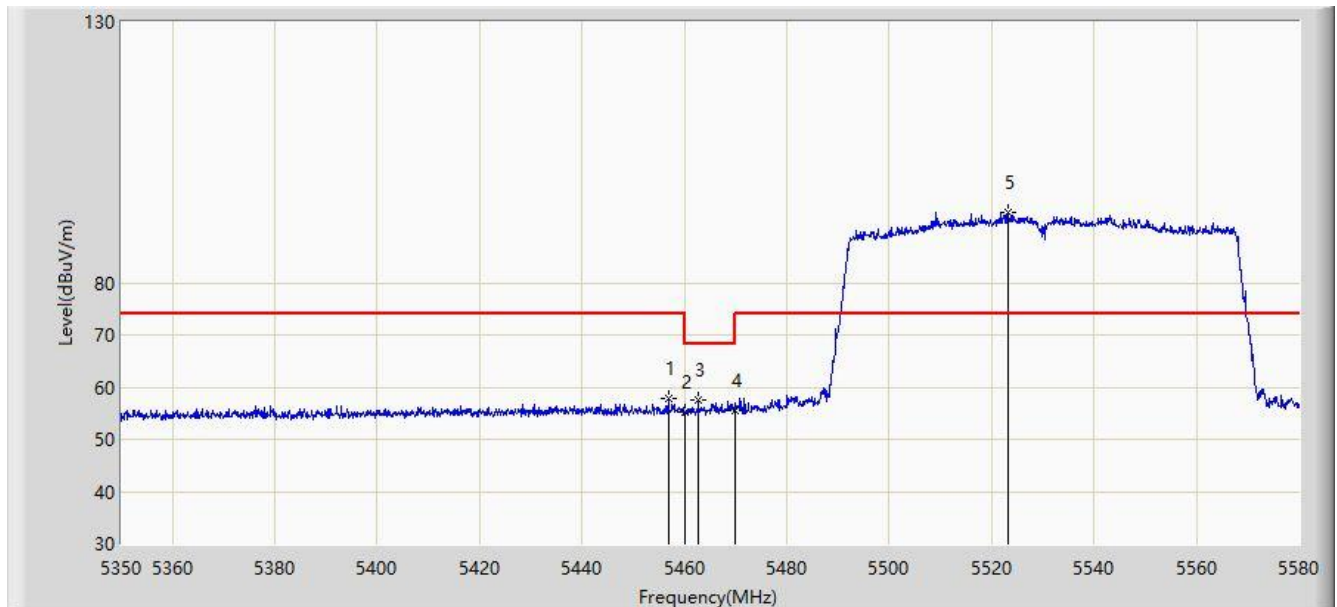


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5286.420	96.695	92.648	N/A	N/A	4.047	AV
2			5350.000	53.605	49.491	-0.395	54.000	4.114	AV
3			5350.440	53.650	49.536	-0.350	54.000	4.115	AV

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

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

Site: AC1	Time: 2021/05/31 - 11:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz	

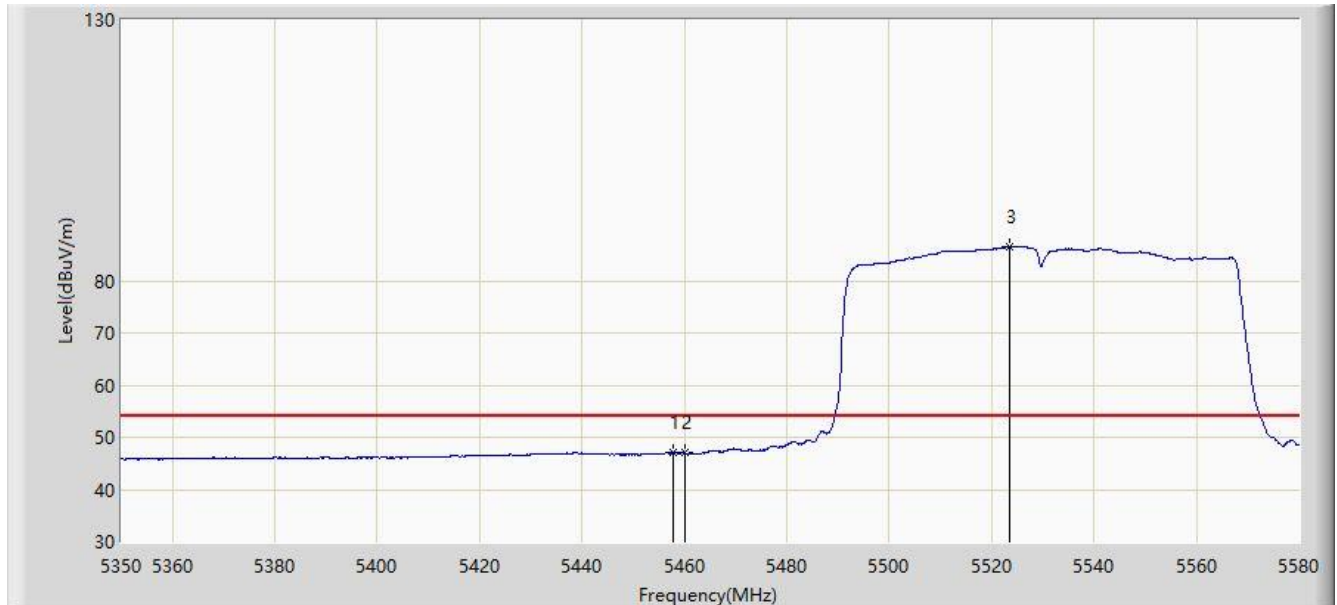


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.835	57.697	53.473	-16.303	74.000	4.224	PK
2			5460.000	55.073	50.845	-18.927	74.000	4.228	PK
3			5462.700	57.438	53.207	-10.762	68.200	4.231	PK
4			5470.000	55.582	51.343	-12.618	68.200	4.238	PK
5		*	5523.190	93.554	89.209	N/A	N/A	4.346	PK

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

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

Site: AC1	Time: 2021/05/31 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz	

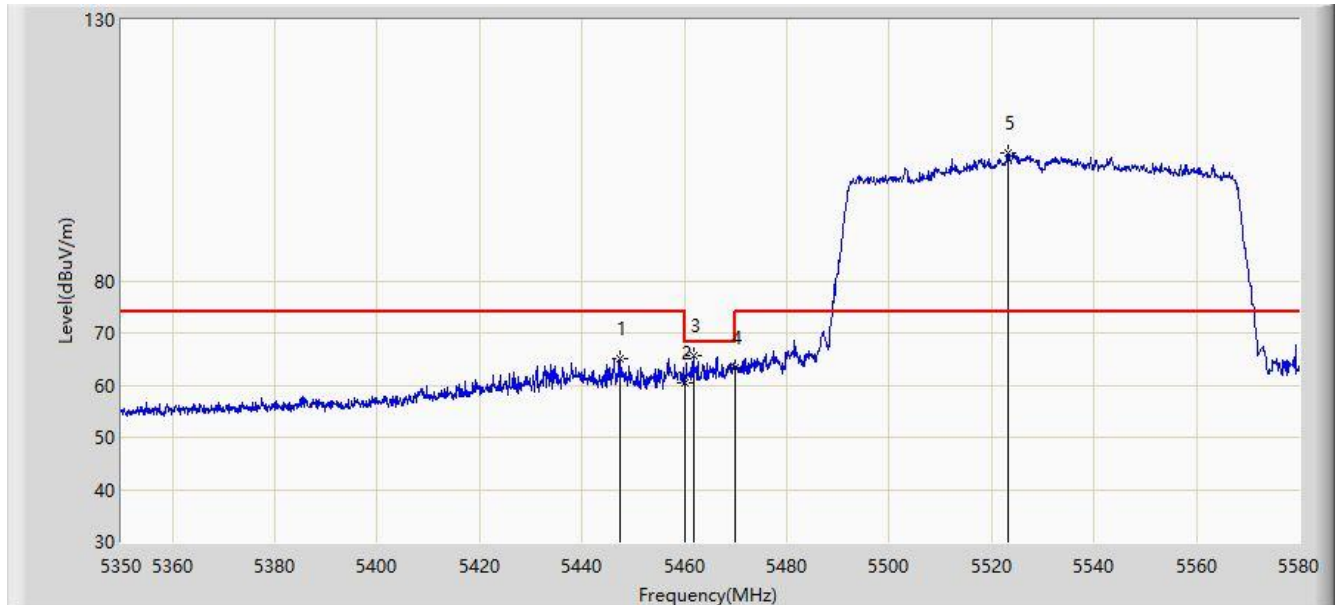


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5457.755	47.166	42.941	-6.834	54.000	4.225	AV
2			5460.000	46.975	42.747	-7.025	54.000	4.228	AV
3		*	5523.420	86.498	82.152	N/A	N/A	4.346	AV

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

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

Site: AC1	Time: 2021/05/31 - 11:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz	

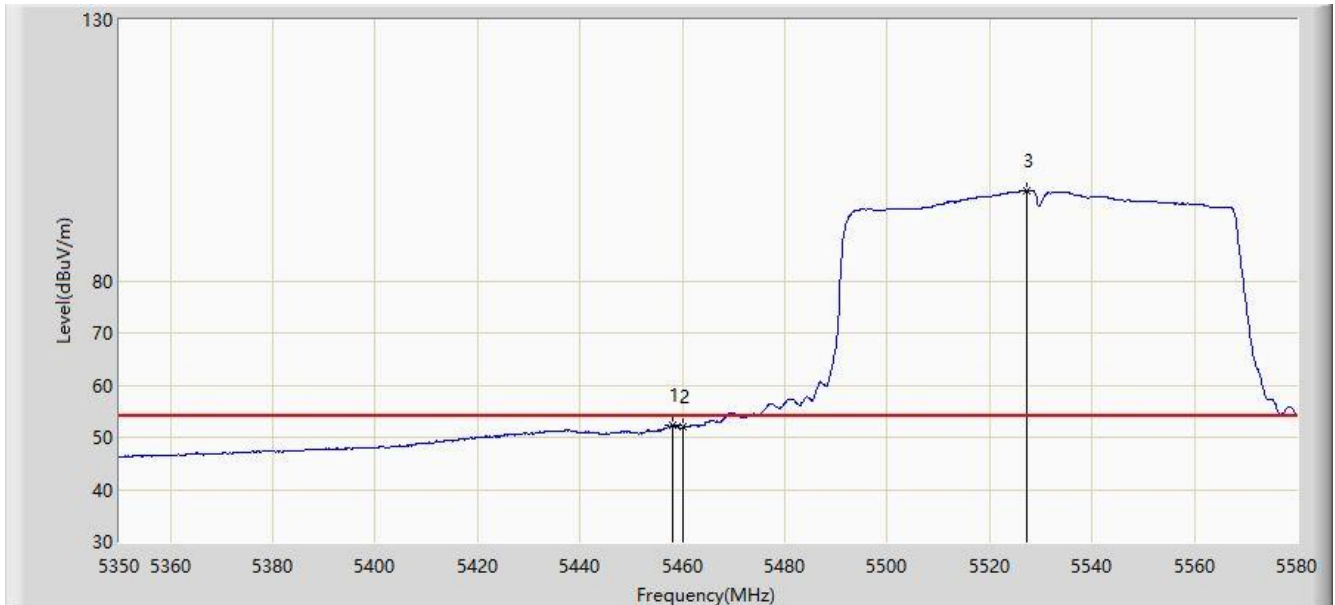


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5447.520	65.029	60.815	-8.971	74.000	4.215	PK
2			5460.000	60.295	56.067	-13.705	74.000	4.228	PK
3			5461.780	65.665	61.435	-2.535	68.200	4.229	PK
4			5470.000	63.195	58.956	-5.005	68.200	4.238	PK
5		*	5523.305	104.572	100.226	N/A	N/A	4.346	PK

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

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

Site: AC1	Time: 2021/05/31 - 11:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz	

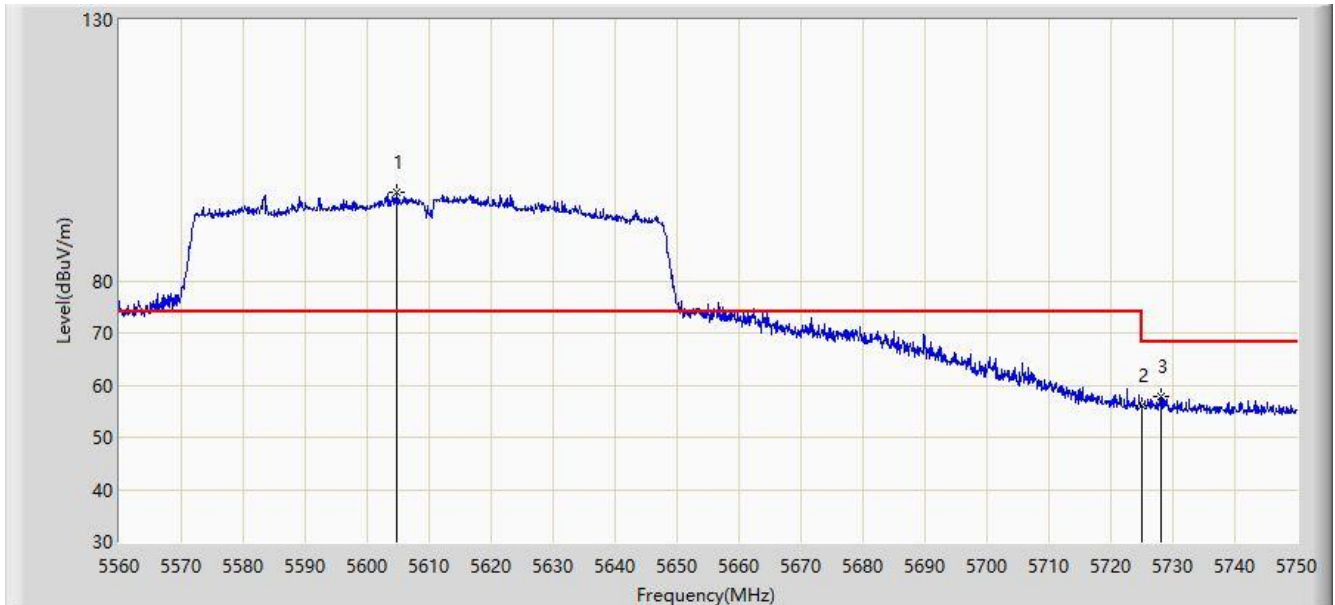


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5458.100	52.322	48.096	-1.678	54.000	4.226	AV
2			5460.000	51.940	47.712	-2.060	54.000	4.228	AV
3		*	5527.215	97.284	92.926	N/A	N/A	4.358	AV

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

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

Site: AC1	Time: 2021/05/31 - 11:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5610MHz	

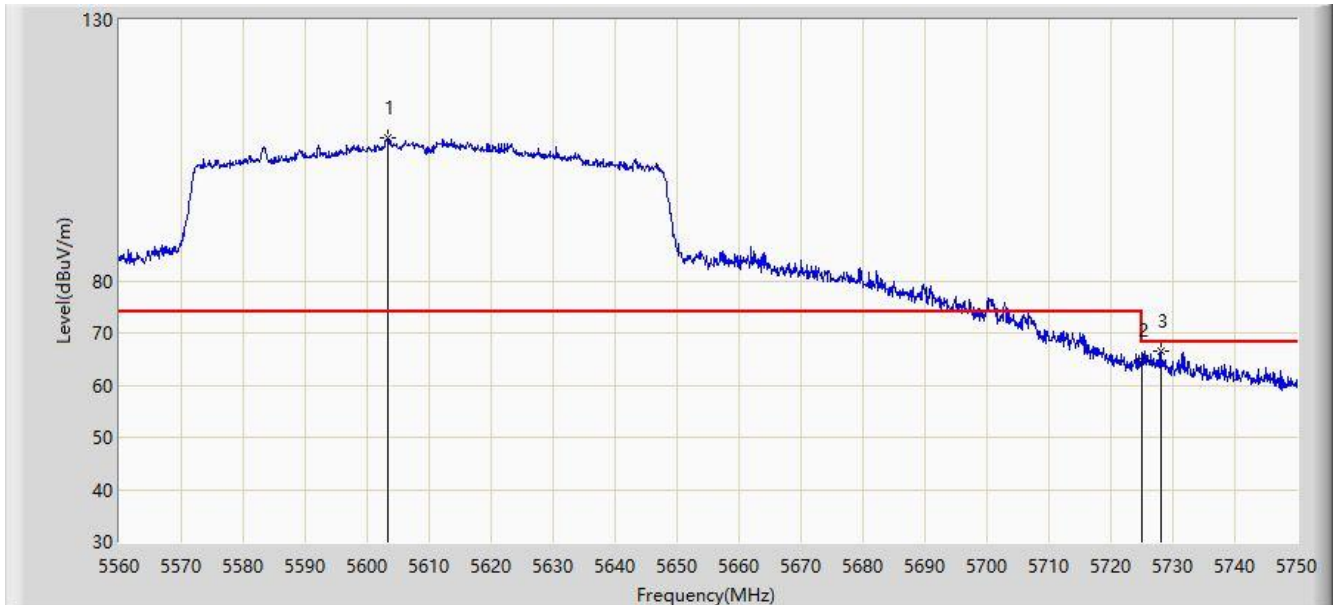


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5604.840	96.857	92.248	N/A	N/A	4.610	PK
2			5725.000	56.141	51.142	-12.059	68.200	4.999	PK
3			5728.150	57.752	52.742	-10.448	68.200	5.009	PK

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

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

Site: AC1	Time: 2021/05/31 - 11:25
Limit: FCC_Part15.209_RE(3m)	Engineer:Jay
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5610MHz	

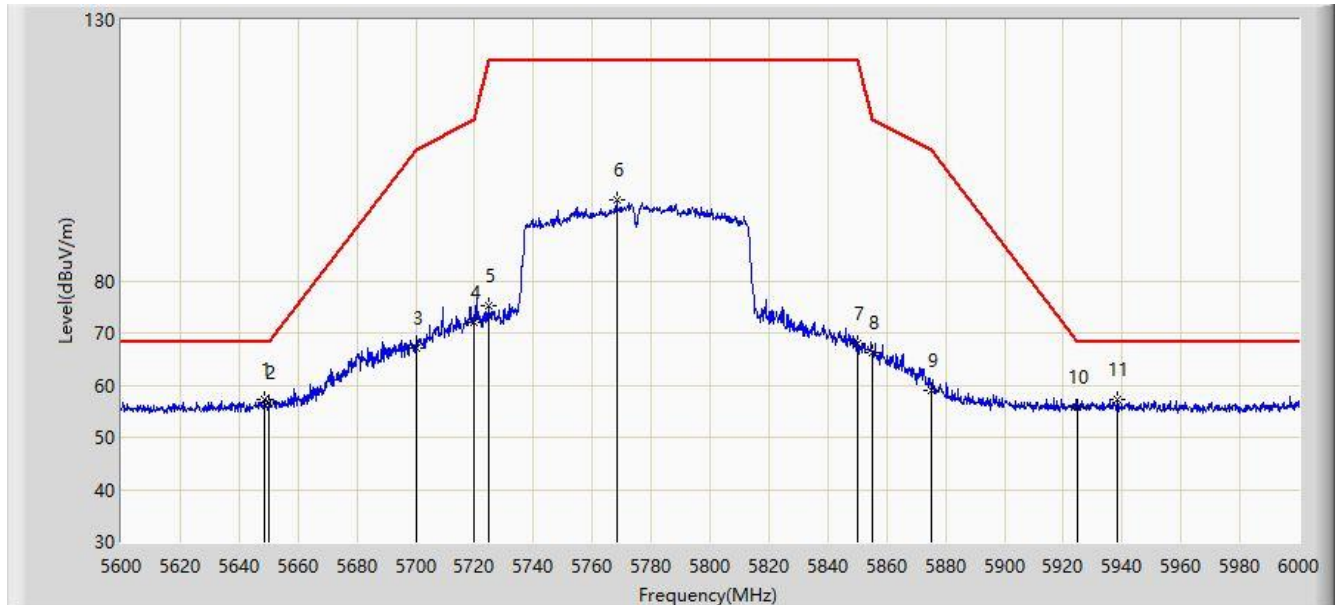


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.320	107.515	102.910	N/A	N/A	4.604	PK
2			5725.000	64.648	59.649	-3.552	68.200	4.999	PK
3			5728.150	66.377	61.367	-1.823	68.200	5.009	PK

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

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

Site: AC1	Time: 2021/05/31 - 11:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Horizontal
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz	

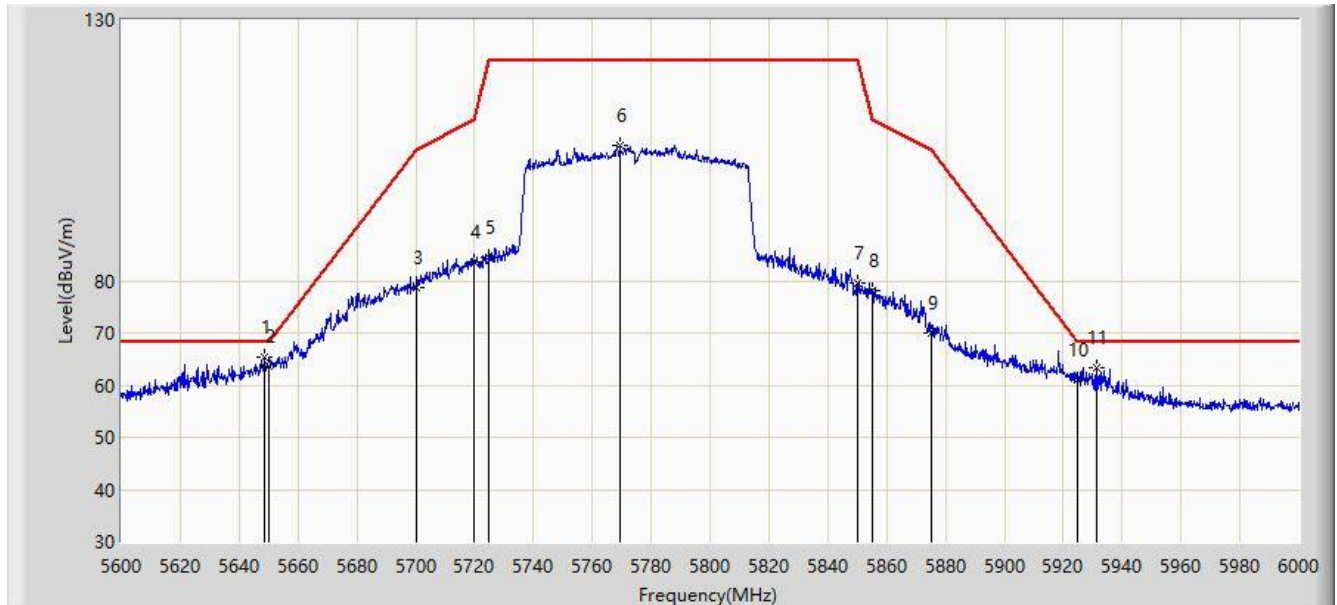


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5648.800	57.239	52.486	-10.961	68.200	4.752	PK
2			5650.000	56.714	51.957	-11.486	68.200	4.756	PK
3			5700.000	67.235	62.317	-37.965	105.200	4.918	PK
4			5720.000	71.978	66.995	-38.822	110.800	4.983	PK
5			5725.000	75.096	70.097	-47.104	122.200	4.999	PK
6			5768.200	95.443	90.304	N/A	N/A	5.139	PK
7			5850.000	68.072	62.668	-54.128	122.200	5.404	PK
8			5855.000	66.163	60.743	-44.637	110.800	5.420	PK
9			5875.000	58.988	53.504	-46.212	105.200	5.485	PK
10			5925.000	55.834	50.187	-12.366	68.200	5.647	PK
11		*	5938.400	57.290	51.599	-10.910	68.200	5.691	PK

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

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

Site: AC1	Time: 2021/05/31 - 11:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Jay Chou
Probe: BBHA 9120D (1GHz~18GHz)_2020	Polarity: Vertical
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5648.400	65.452	60.701	-2.748	68.200	4.752	PK
2			5650.000	63.504	58.747	-4.696	68.200	4.756	PK
3			5700.000	78.751	73.833	-26.449	105.200	4.918	PK
4			5720.000	83.719	78.736	-27.081	110.800	4.983	PK
5			5725.000	84.614	79.615	-37.586	122.200	4.999	PK
6			5769.200	105.961	100.819	N/A	N/A	5.143	PK
7			5850.000	79.700	74.296	-42.500	122.200	5.404	PK
8			5855.000	78.229	72.809	-32.571	110.800	5.420	PK
9			5875.000	69.916	64.432	-35.284	105.200	5.485	PK
10			5925.000	60.931	55.284	-7.269	68.200	5.647	PK
11			5931.400	63.405	57.737	-4.795	68.200	5.667	PK

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

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

7.10. AC Conducted Emissions Measurement

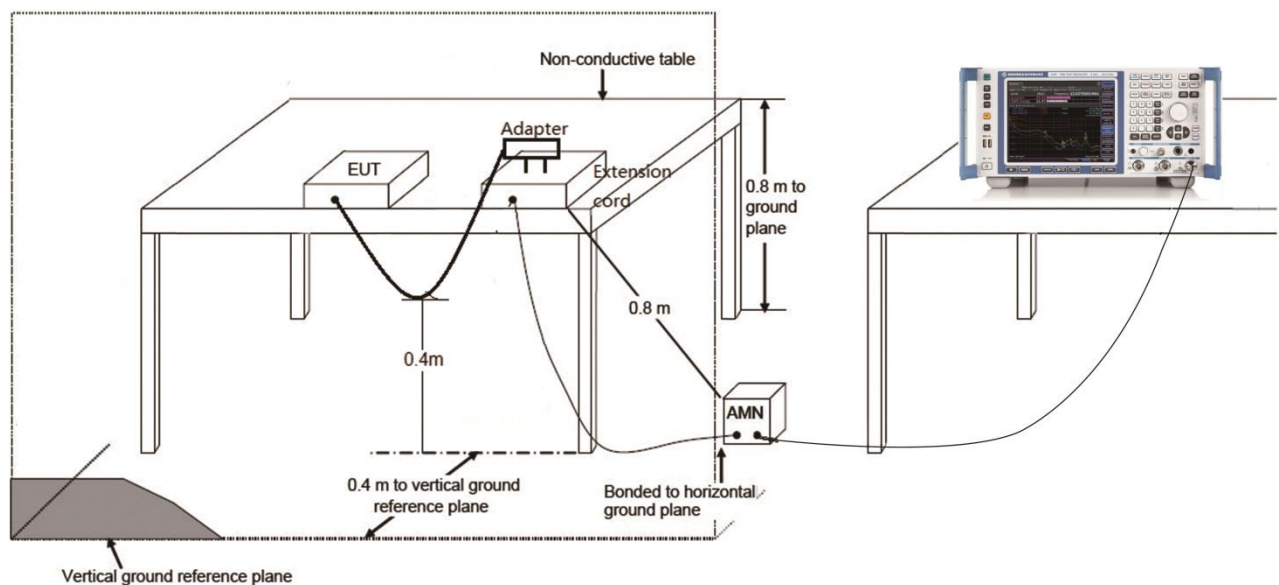
7.10.1.Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

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

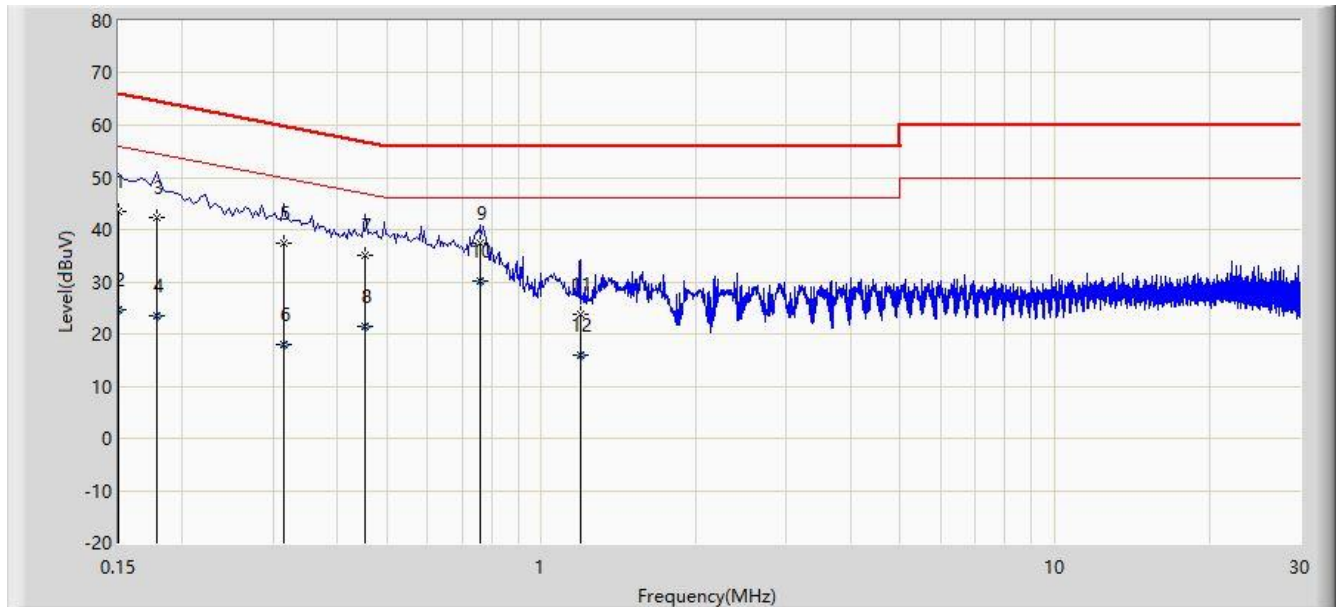
Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.10.2.Test Setup



7.10.3.Test Result

Site: SR2	Time: 2021/07/31 - 14:08
Limit: FCC_Part15.207_CE_AC Power	Engineer: Eric Lin
Probe: TW ENV216 (Filter On)_2020	Polarity: Line
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	

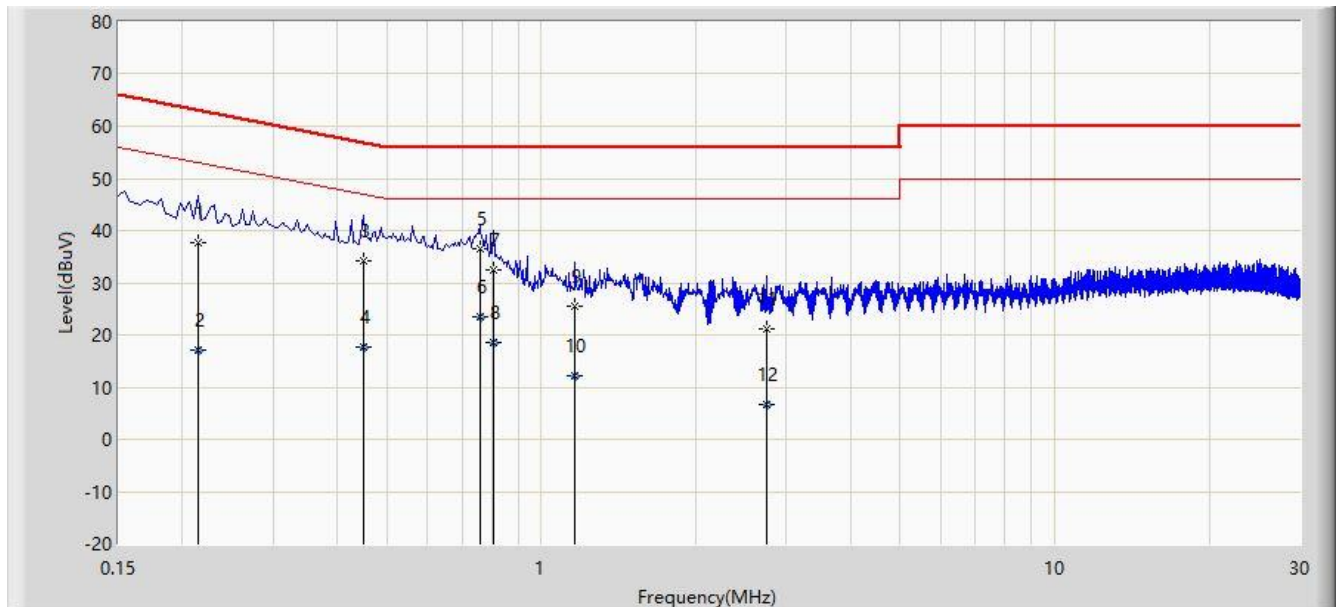


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	43.349	33.739	-22.651	66.000	9.610	QP
2			0.150	24.773	15.163	-31.227	56.000	9.610	AV
3			0.178	42.220	32.610	-22.358	64.578	9.610	QP
4			0.178	23.580	13.970	-30.998	54.578	9.610	AV
5			0.314	37.271	27.651	-22.593	59.864	9.620	QP
6			0.314	17.874	8.254	-31.990	49.864	9.620	AV
7			0.454	35.129	25.499	-21.673	56.802	9.630	QP
8			0.454	21.546	11.916	-25.256	46.802	9.630	AV
9			0.762	37.386	27.736	-18.614	56.000	9.650	QP
10		*	0.762	30.145	20.495	-15.855	46.000	9.650	AV
11			1.190	23.753	14.093	-32.247	56.000	9.660	QP
12			1.190	15.838	6.178	-30.162	46.000	9.660	AV

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

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

Site: SR2	Time: 2021/07/31 - 14:21
Limit: FCC_Part15.207_CE_AC Power	Engineer: Jay Chou
Probe: TW ENV216 (Filter On)_2020	Polarity: Neutral
EUT: AC750 Wi-Fi Range Extender	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.214	37.761	28.141	-25.288	63.049	9.620	QP
2			0.214	17.065	7.445	-35.984	53.049	9.620	AV
3			0.450	34.147	24.507	-22.728	56.875	9.640	QP
4			0.450	17.671	8.031	-29.204	46.875	9.640	AV
5		*	0.758	36.585	26.925	-19.415	56.000	9.660	QP
6			0.758	23.456	13.796	-22.544	46.000	9.660	AV
7			0.808	32.399	22.739	-23.601	56.000	9.660	QP
8			0.808	18.450	8.790	-27.550	46.000	9.660	AV
9			1.162	25.496	15.826	-30.504	56.000	9.670	QP
10			1.162	12.258	2.588	-33.742	46.000	9.670	AV
11			2.750	21.205	11.495	-34.795	56.000	9.710	QP
12			2.750	6.743	-2.967	-39.257	46.000	9.710	AV

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

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

8. CONCLUSION

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

The End

Appendix A - Test Setup Photograph

Refer to “2105TW0002-Setup Photograph” file.

Appendix B - External Photograph

Refer to “2105TW0002-Internal Photo” file.

Appendix C - Internal Photograph

Refer to "2105TW0002-Internal Photo" file.