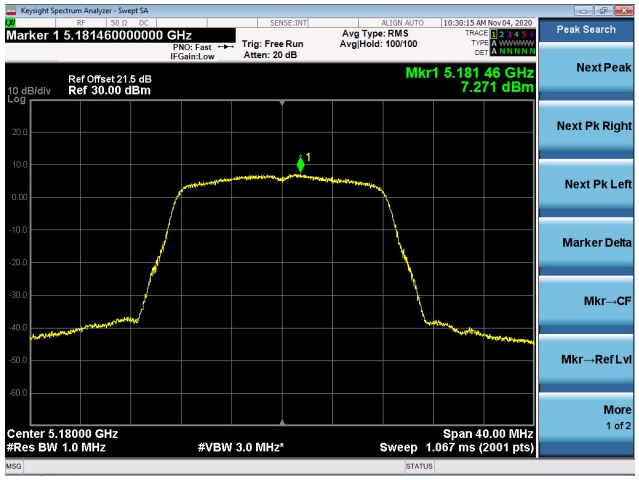
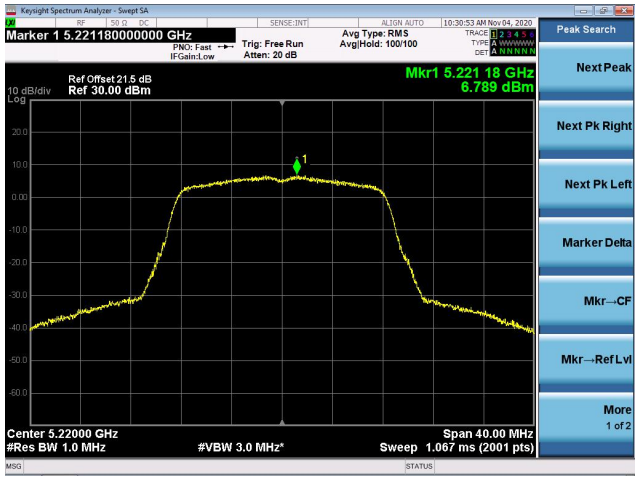
802.11a Power Spectral Density- Ant 1 / Ant 0 + 1

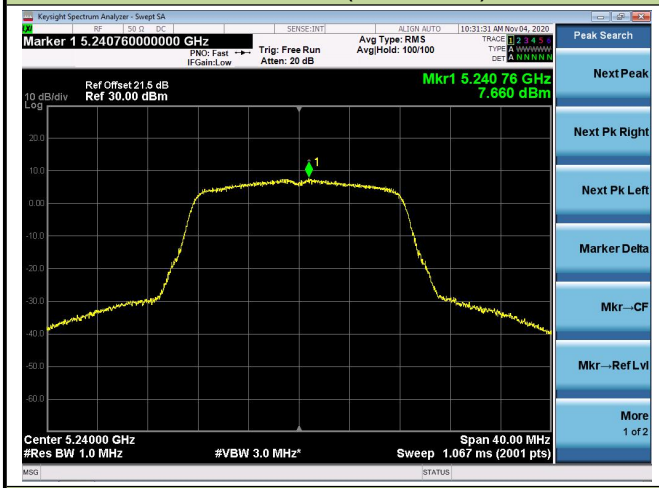
Channel 36 (5180MHz)



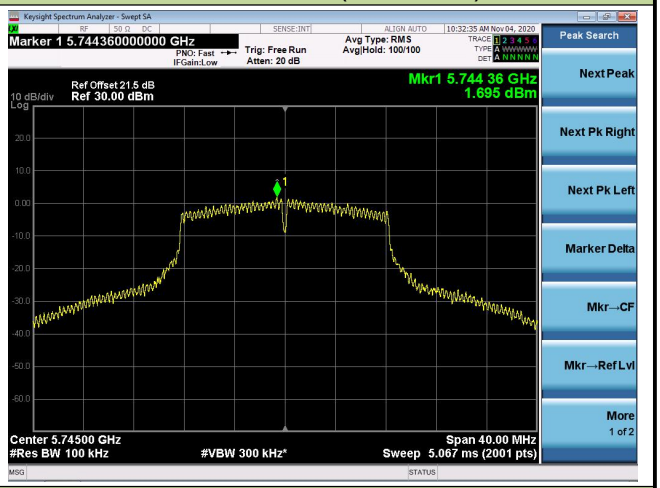
Channel 44 (5220MHz)



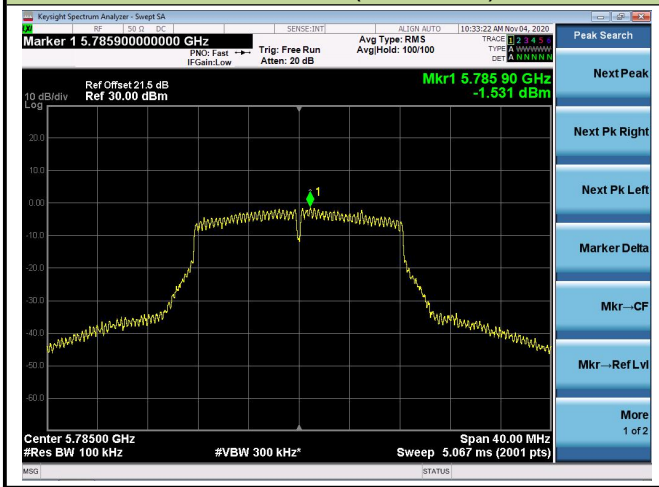
Channel 48 (5240MHz)



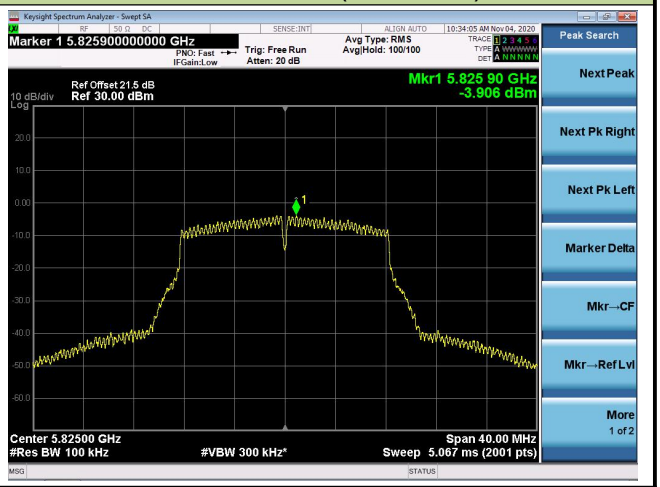
Channel 149 (5745MHz)



Channel 157 (5785MHz)

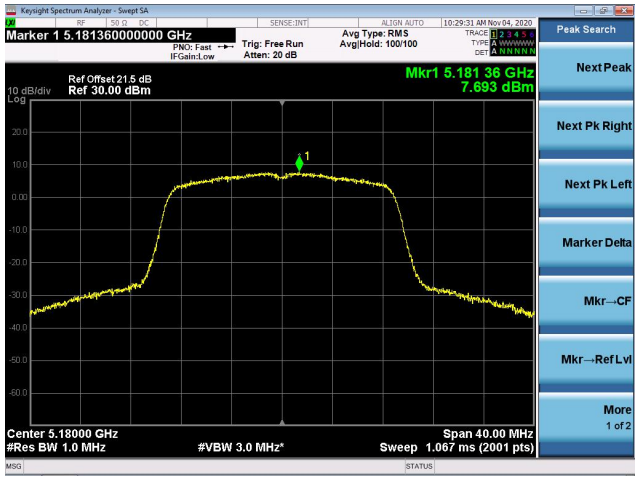


Channel 165 (5825MHz)

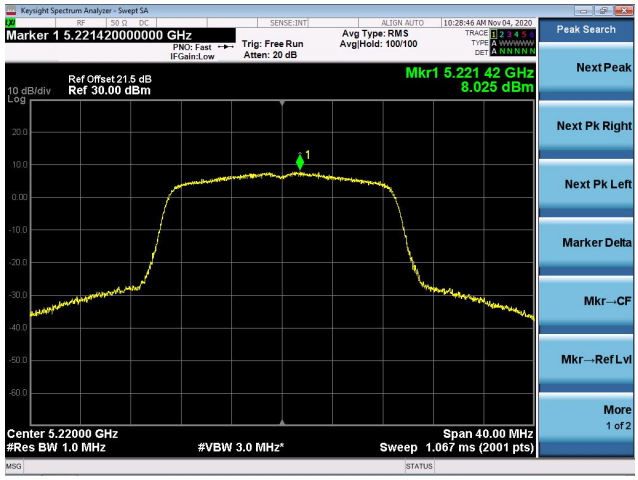


802.11n-HT20 Power Spectral Density- Ant 1 / Ant 0 + 1

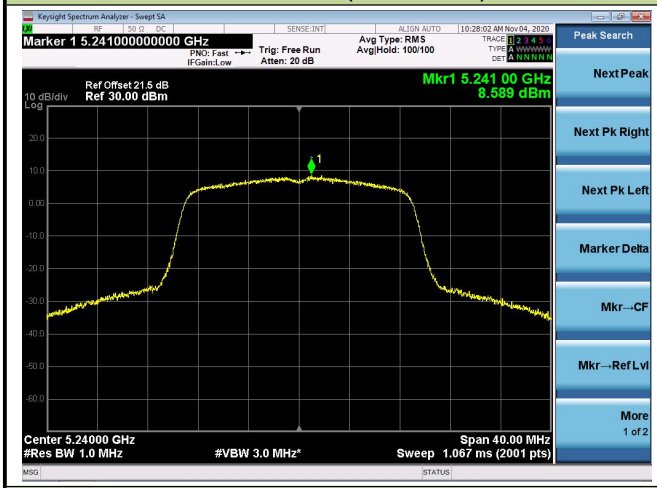
Channel 36 (5180MHz)



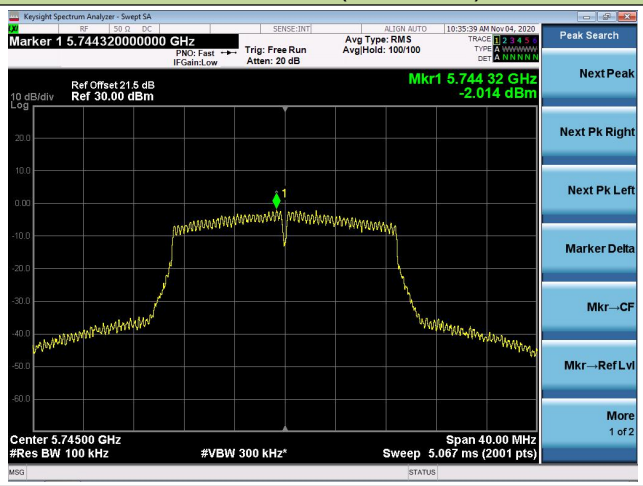
Channel 44 (5220MHz)



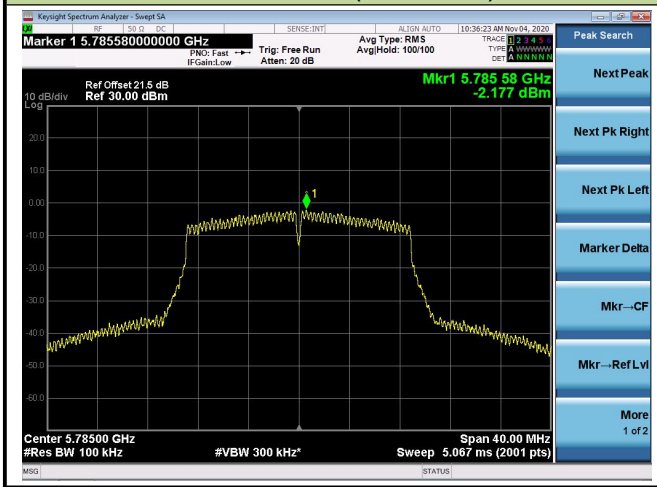
Channel 48 (5240MHz)



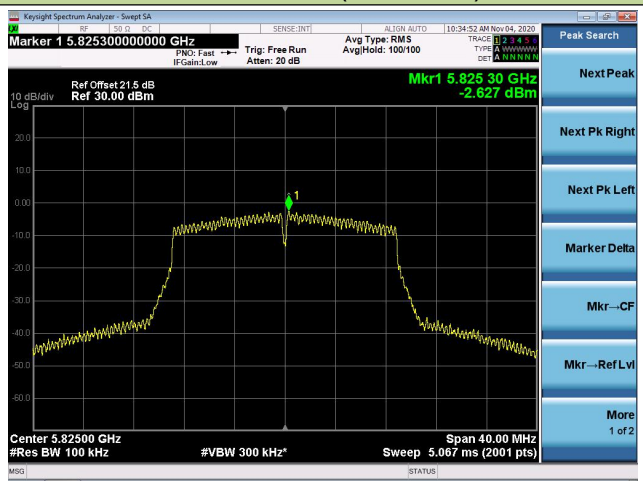
Channel 149 (5745MHz)



Channel 157 (5785MHz)

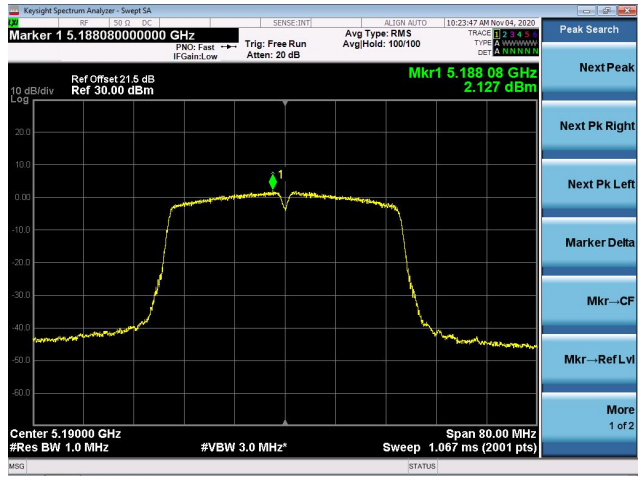


Channel 165 (5825MHz)

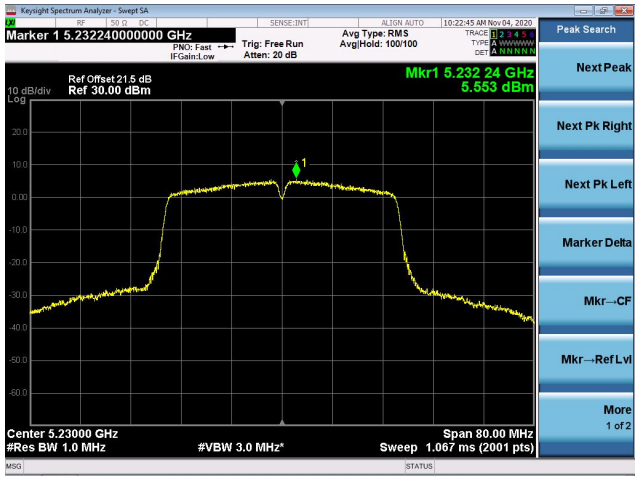


802.11n-HT40 Power Spectral Density- Ant 1 / Ant 0 + 1

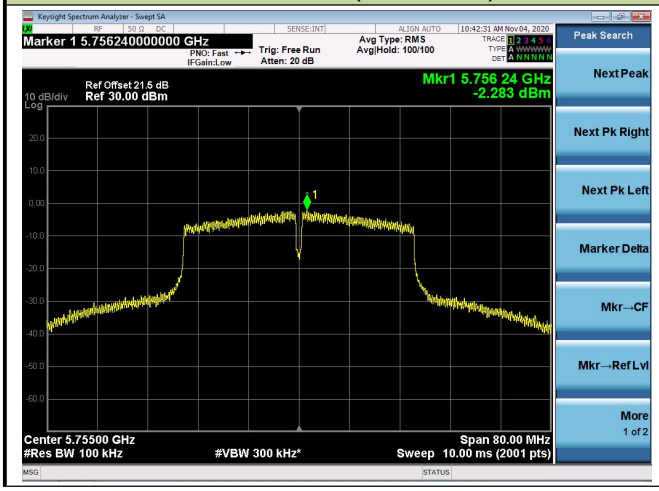
Channel 38 (5190MHz)



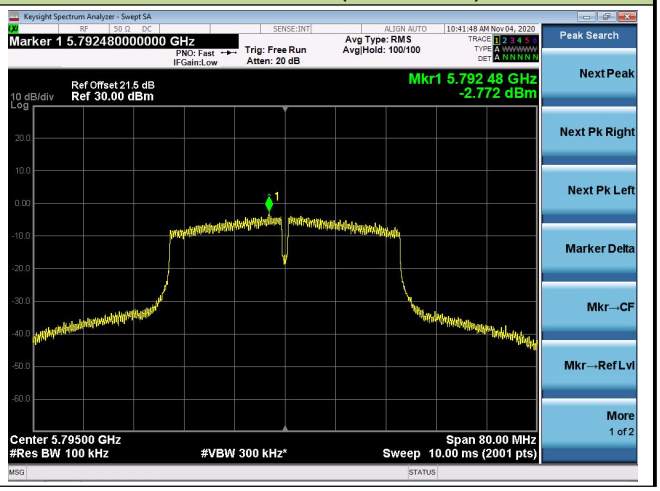
Channel 46 (5230MHz)



Channel 151 (5755MHz)

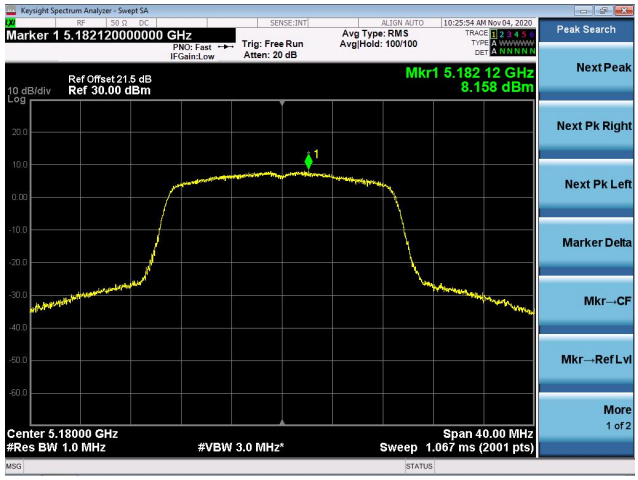


Channel 159 (5795MHz)

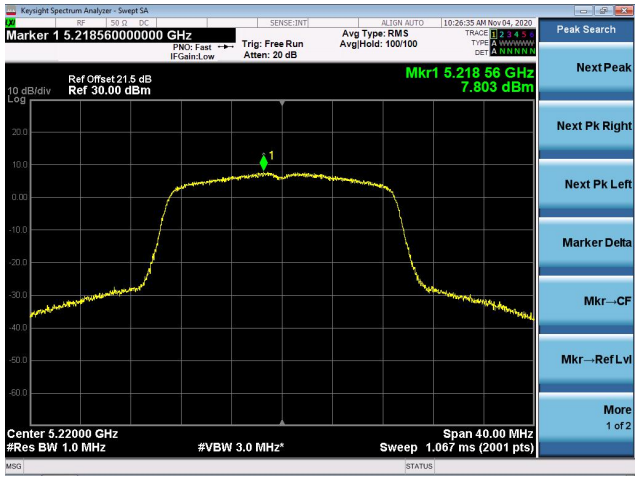


802.11ac-VHT20 Power Spectral Density- Ant 1 / Ant 0 + 1

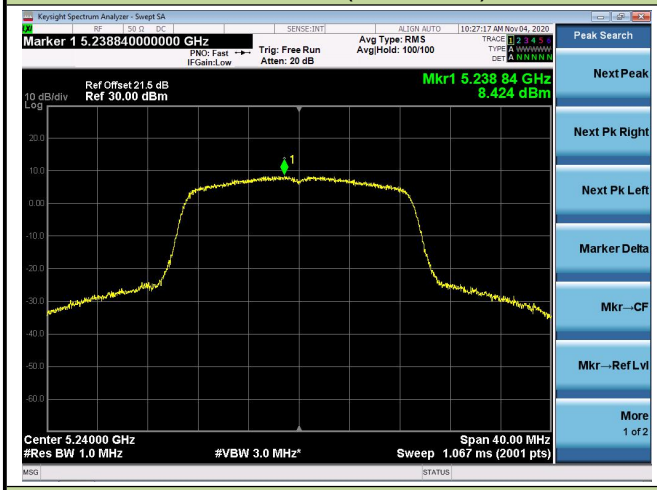
Channel 36 (5180MHz)



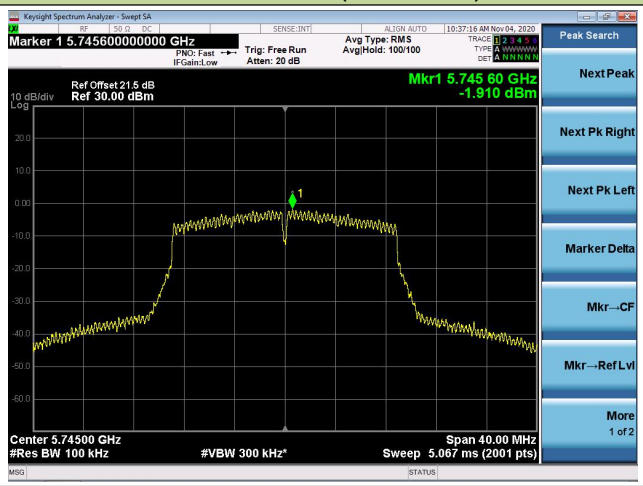
Channel 44 (5220MHz)



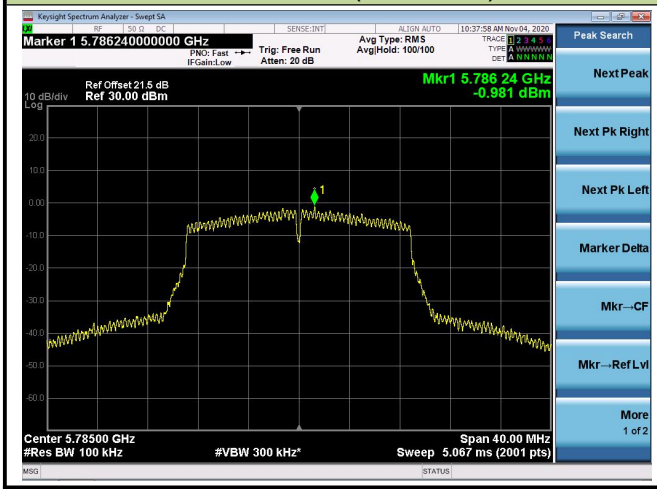
Channel 48 (5240MHz)



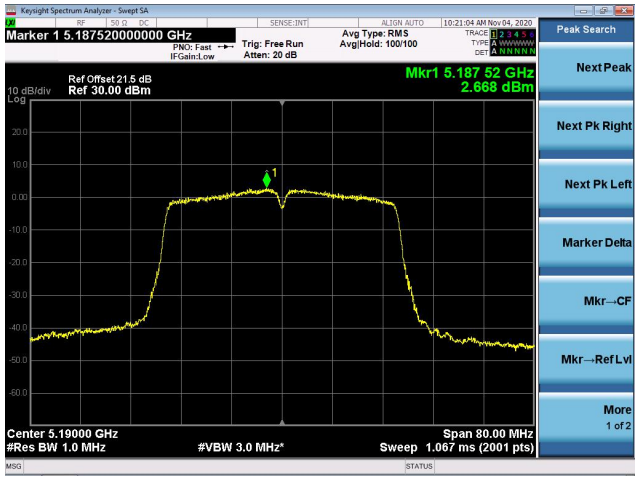
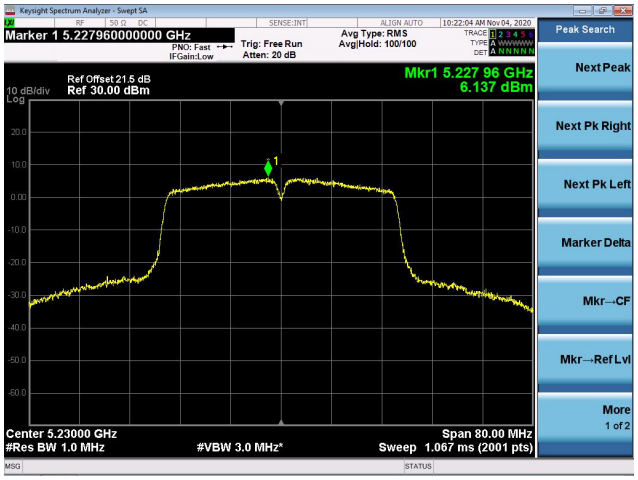
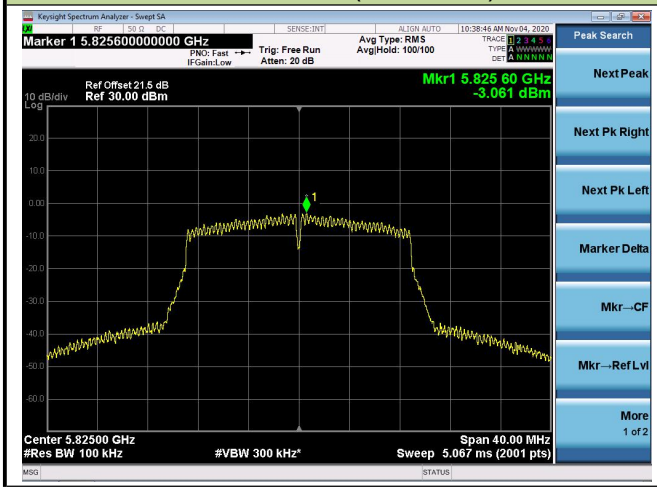
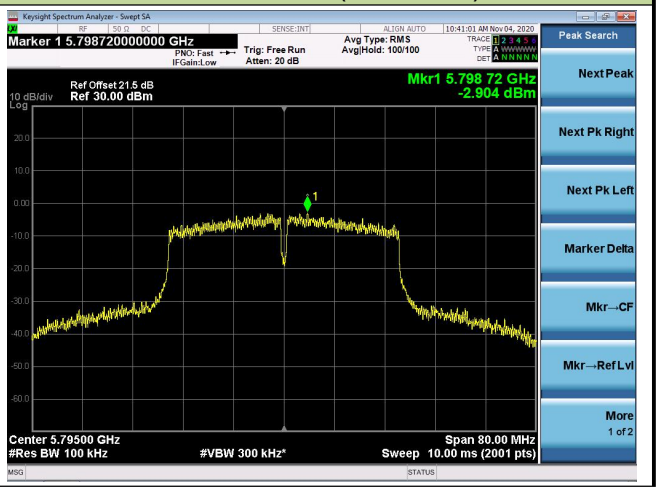
Channel 149 (5745MHz)

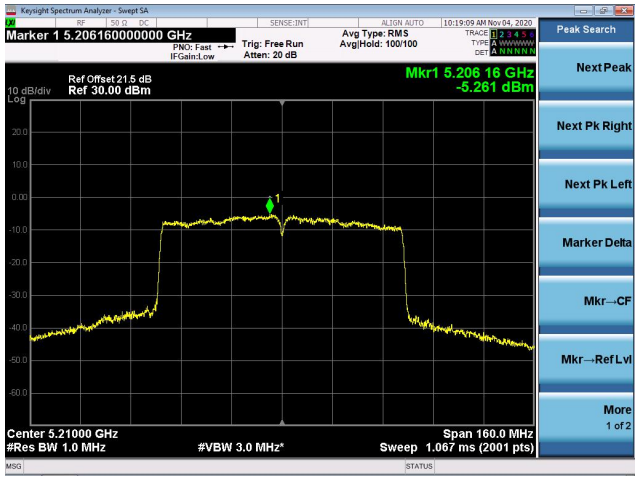
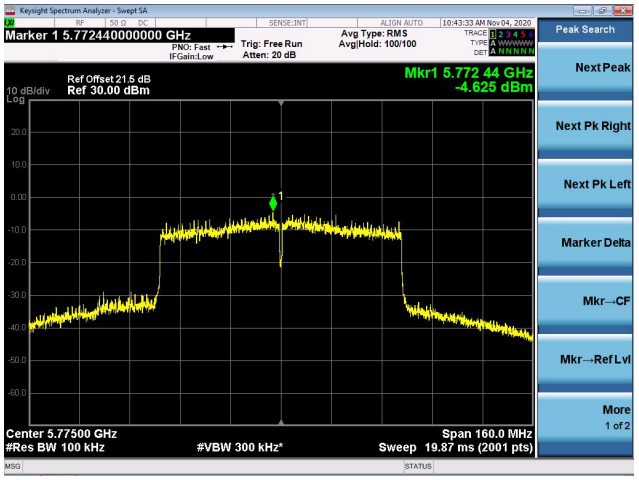


Channel 157 (5785MHz)



Channel 165 (5825MHz)

802.11ac-VHT40 Power Spectral Density- Ant 1 / Ant 0 + 1	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density- Ant 1 / Ant 0 + 1	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

6.7. Frequency Stability Measurement

6.7.1. TestLimit

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.

6.7.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

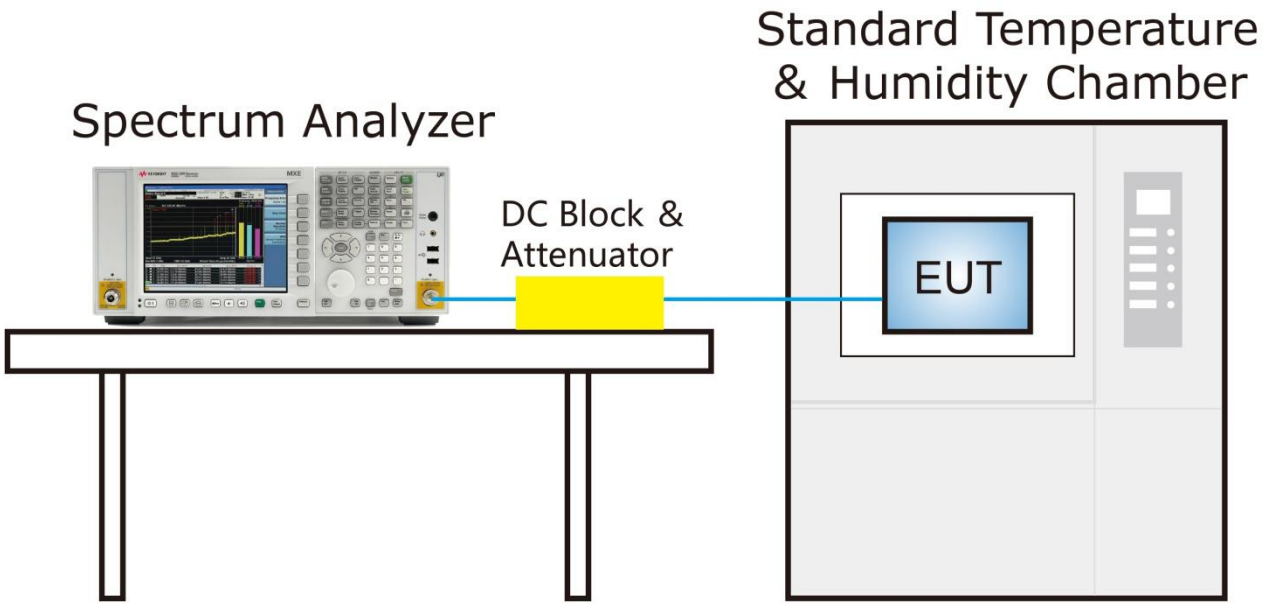
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±15%) and endpoint, recordthe maximum frequency change.For hand-carried battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

6.7.3. Test Setup



6.7.4. Test Result

Product	MESH AP Product	Test Engineer	Selina Zhang
Test Site	NS-SR2	Test Time	2020/11/05
Test Mode	5180MHz (Carrier Mode)		

Voltage (%)	Power (V_{AC})	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-4.13	-4.55	-2.46	-4.59
		- 20	-4.40	-4.02	-4.12	-4.06
		- 10	-4.50	-4.88	-3.62	-4.52
		0	-4.57	-4.21	-4.23	-4.10
		+ 10	-4.62	-4.84	-4.74	-4.01
		+ 20 (Ref)	-4.26	-4.23	-4.12	-4.07
		+ 30	-4.11	-4.01	-4.83	-4.82
		+ 40	-4.04	-4.88	-3.95	-4.83
		+ 50	-4.47	-4.50	-3.48	-4.35
115%	138	+ 20	-4.51	-4.26	-4.36	-4.29
85%	102	+ 20	-4.75	-4.59	-4.45	-4.56

Note: Frequency Tolerance (ppm) = {[Measured Frequency (MHz) - Declared Frequency (MHz)] / Declared Frequency (MHz)} *10^6.

6.8. Radiated Spurious Emission Measurement

6.8.1. Test Limit

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

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

6.8.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

6.8.3. 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

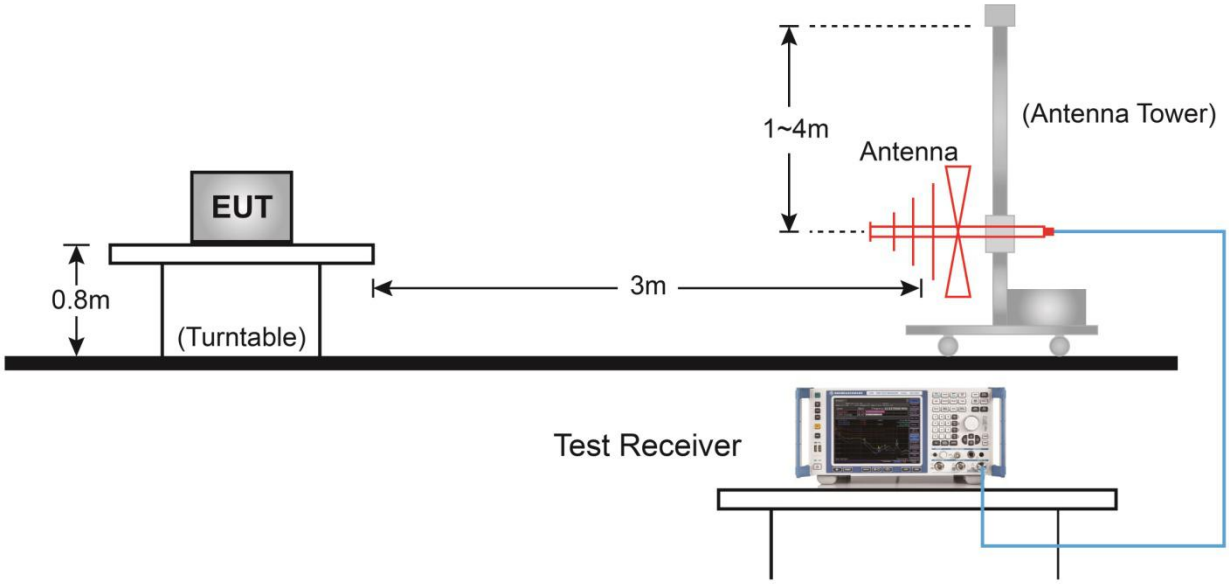
Average Measurements above 1GHz (Method VB)

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 ≥ 98%, set VBW = 10Hz

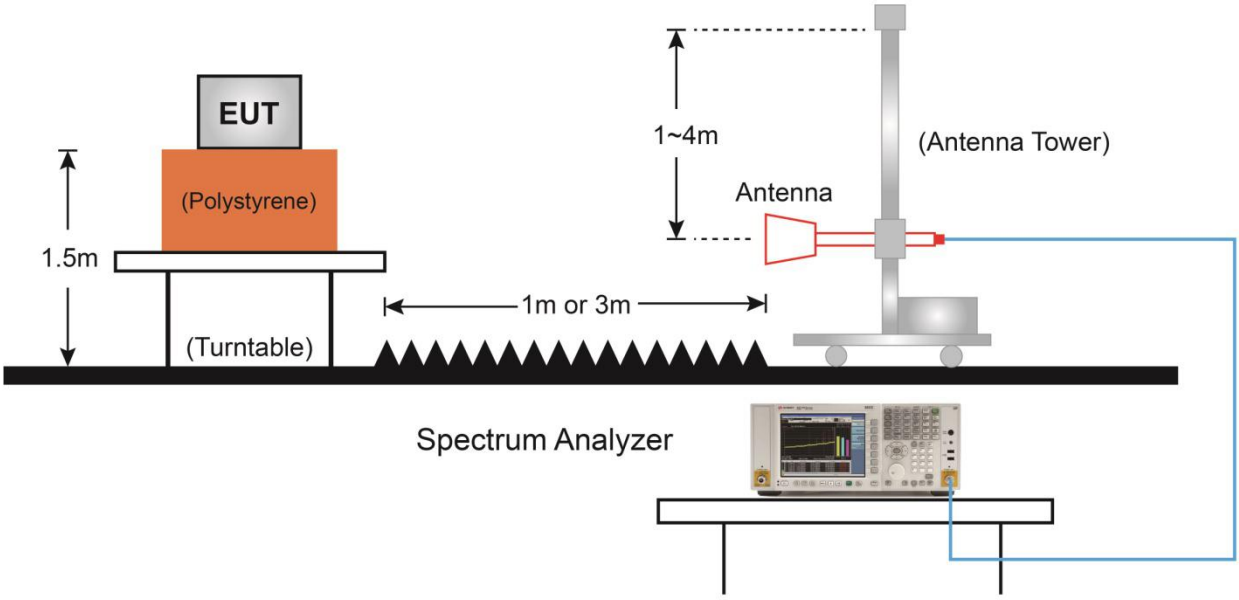
   If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
4. Detector = Peak
5. Sweep time = auto
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.8.4. Test Setup

Below 1GHz Test Setup:



Above1GHz Test Setup:



6.8.5. Test Result

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11a(CDD Mode)	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
	8352.5	36.8	10.5	47.3	74.0	-26.7	Peak	Horizontal
*	10358.5	42.8	13.3	56.1	68.2	-12.1	Peak	Horizontal
	15539.8	38.4	18.5	56.9	74.0	-17.1	Peak	Horizontal
	15539.8	27.8	18.5	46.3	54.0	-7.7	Average	Horizontal
*	16572.0	33.6	19.1	52.7	68.2	-15.5	Peak	Horizontal
	8250.5	31.8	10.3	42.1	74.0	-31.9	Peak	Vertical
*	10367.0	44.2	13.3	57.5	68.2	-10.7	Peak	Vertical
	15541.2	34.7	18.5	53.2	54.0	-0.8	Average	Vertical
	15541.2	43.1	18.5	61.6	74.0	-12.4	Peak	Vertical
*	16699.5	30.1	19.3	49.4	68.2	-18.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11a(CDD Mode)	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
	8378.0	36.7	10.8	47.5	74.0	-26.5	Peak	Horizontal
*	10443.5	43.1	13.1	56.2	68.2	-12.0	Peak	Horizontal
	15659.4	31.0	18.8	49.8	54.0	-4.2	Average	Horizontal
	15659.4	36.2	18.8	55.0	74.0	-19.0	Peak	Horizontal
*	16750.5	33.3	19.7	53.0	68.2	-15.2	Peak	Horizontal
	8293.0	35.5	10.7	46.2	74.0	-27.8	Peak	Vertical
*	10443.5	47.0	13.1	60.1	68.2	-8.1	Peak	Vertical
	15658.6	41.5	18.8	60.3	74.0	-13.7	Peak	Vertical
	15658.6	34.5	18.8	53.3	54.0	-0.7	Average	Vertical
*	16878.0	33.6	19.7	53.3	68.2	-14.9	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11a(CDD Mode)	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
	8293.0	35.4	10.7	46.1	74.0	-27.9	Peak	Horizontal
*	10477.5	44.3	13.3	57.6	68.2	-10.6	Peak	Horizontal
	15719.0	29.0	18.7	47.7	54.0	-6.3	Average	Horizontal
	15719.0	37.1	18.7	55.8	74.0	-18.2	Peak	Horizontal
*	16495.5	33.4	18.9	52.3	68.2	-15.9	Peak	Horizontal
	8123.0	36.6	10.5	47.1	74.0	-26.9	Peak	Vertical
*	10486.0	46.6	13.5	60.1	68.2	-8.1	Peak	Vertical
	15718.2	34.7	18.7	53.4	54.0	-0.6	Average	Vertical
	15718.2	42.6	18.7	61.3	74.0	-12.7	Peak	Vertical
*	16538.0	33.9	19.3	53.2	68.2	-15.0	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11a(CDD Mode)	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
	11489.0	35.9	14.9	50.8	74.0	-23.2	Peak	Horizontal
*	13945.5	35.2	17.2	52.4	68.2	-15.8	Peak	Horizontal
	15764.5	34.9	19.1	54.0	74.0	-20.0	Peak	Horizontal
*	17226.5	41.0	21.3	62.3	68.2	-5.9	Peak	Horizontal
	11492.4	47.1	14.9	62.0	74.0	-12.0	Peak	Vertical
	11492.4	36.7	14.9	51.6	54.0	-2.4	Average	Vertical
*	13920.0	34.1	17.1	51.2	68.2	-17.0	Peak	Vertical
	15849.5	32.7	19.3	52.0	74.0	-22.0	Peak	Vertical
*	17235.0	45.1	21.5	66.6	68.2	-1.6	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11a(CDD Mode)	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
	11463.5	35.0	14.7	49.7	74.0	-24.3	Peak	Horizontal
*	13792.5	34.9	17.2	52.1	68.2	-16.1	Peak	Horizontal
	15849.5	33.8	19.3	53.1	74.0	-20.9	Peak	Horizontal
*	16648.5	33.4	19.6	53.0	68.2	-15.2	Peak	Horizontal
	11568.6	43.0	15.1	58.1	74.0	-15.9	Peak	Vertical
	11568.6	32.8	15.1	47.9	54.0	-6.1	Average	Vertical
*	13877.5	35.0	17.2	52.2	68.2	-16.0	Peak	Vertical
	16002.5	34.0	19.1	53.1	74.0	-20.9	Peak	Vertical
*	17354.0	44.2	22.4	66.6	68.2	-1.6	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11a(CDD Mode)	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
	11642.0	33.6	15.7	49.3	74.0	-24.7	Peak	Horizontal
*	13886.0	33.4	17.2	50.6	68.2	-17.6	Peak	Horizontal
	15671.0	33.8	18.8	52.6	74.0	-21.4	Peak	Horizontal
*	16274.5	34.6	19.2	53.8	68.2	-14.4	Peak	Horizontal
	11648.3	29.7	15.5	45.2	54.0	-8.8	Average	Vertical
	11648.3	41.0	15.5	56.5	74.0	-17.5	Peak	Vertical
*	14362.0	36.1	17.5	53.6	68.2	-14.6	Peak	Vertical
	15815.5	33.5	19.2	52.7	74.0	-21.3	Peak	Vertical
*	17464.5	40.7	23.1	63.8	68.2	-4.4	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT20(CDD Mode)	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
	8225.0	38.1	10.7	48.8	74.0	-25.2	Peak	Horizontal
*	10358.5	41.9	13.3	55.2	68.2	-13.0	Peak	Horizontal
	15542.5	25.5	18.6	44.1	54.0	-9.9	Average	Horizontal
	15542.5	36.6	18.6	55.2	74.0	-18.8	Peak	Horizontal
*	16657.0	33.6	19.6	53.2	68.2	-15.0	Peak	Horizontal
	8284.5	37.5	10.6	48.1	74.0	-25.9	Peak	Vertical
*	10358.5	49.7	13.3	63.0	68.2	-5.2	Peak	Vertical
	15539.7	45.7	18.5	64.2	74.0	-9.8	Peak	Vertical
	15539.7	34.6	18.5	53.1	54.0	-0.9	Average	Vertical
*	16291.5	34.3	19.1	53.4	68.2	-14.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT20(CDD Mode)	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
	8216.5	36.2	10.6	46.8	74.0	-27.2	Peak	Horizontal
*	10443.5	40.7	13.1	53.8	68.2	-14.4	Peak	Horizontal
	15662.3	35.9	18.8	54.7	74.0	-19.3	Peak	Horizontal
	15662.3	26.3	18.8	45.1	54.0	-8.9	Average	Horizontal
*	16300.0	34.7	19.0	53.7	68.2	-14.5	Peak	Horizontal
	8352.5	37.6	10.5	48.1	74.0	-25.9	Peak	Vertical
*	10443.5	49.2	13.1	62.3	68.2	-5.9	Peak	Vertical
	15662.4	34.3	18.8	53.1	54.0	-0.9	Average	Vertical
	15662.4	44.7	18.8	63.5	74.0	-10.5	Peak	Vertical
*	16708.0	35.0	19.4	54.4	68.2	-13.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT20(CDD Mode)	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
	8131.5	36.6	10.5	47.1	74.0	-26.9	Peak	Horizontal
*	10486.0	40.9	13.5	54.4	68.2	-13.8	Peak	Horizontal
	15722.4	37.7	18.7	56.4	74.0	-17.6	Peak	Horizontal
	15722.4	27.1	18.7	45.8	54.0	-8.2	Average	Horizontal
*	16657.0	33.2	19.6	52.8	68.2	-15.4	Peak	Horizontal
	8386.5	37.6	10.8	48.4	74.0	-25.6	Peak	Vertical
*	10486.0	51.1	13.5	64.6	68.2	-3.6	Peak	Vertical
	15719.9	34.4	18.7	53.1	54.0	-0.9	Average	Vertical
	15719.9	45.8	18.7	64.5	74.0	-9.5	Peak	Vertical
*	16776.0	34.6	19.6	54.2	68.2	-14.0	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT20(CDD Mode)	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
	11931.0	34.4	15.2	49.6	74.0	-24.4	Peak	Horizontal
*	13869.0	34.7	17.2	51.9	68.2	-16.3	Peak	Horizontal
	15790.0	33.9	18.9	52.8	74.0	-21.2	Peak	Horizontal
*	17235.0	35.9	21.5	57.4	68.2	-10.8	Peak	Horizontal
	11489.2	42.4	14.9	57.3	74.0	-16.7	Peak	Vertical
	11489.2	32.3	14.9	47.2	54.0	-6.8	Average	Vertical
*	13903.0	34.5	17.2	51.7	68.2	-16.5	Peak	Vertical
	16053.5	35.0	18.4	53.4	74.0	-20.6	Peak	Vertical
*	17226.5	43.8	21.3	65.1	68.2	-3.1	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT20(CDD Mode)	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
	11939.5	34.6	15.2	49.8	74.0	-24.2	Peak	Horizontal
*	14319.5	35.5	17.1	52.6	68.2	-15.6	Peak	Horizontal
	15977.0	34.6	18.8	53.4	74.0	-20.6	Peak	Horizontal
*	16827.0	33.9	19.9	53.8	68.2	-14.4	Peak	Horizontal
	11571.7	40.7	15.1	55.8	74.0	-18.2	Peak	Vertical
	11571.7	31.0	15.1	46.1	54.0	-7.9	Average	Vertical
*	14005.0	34.9	16.9	51.8	68.2	-16.4	Peak	Vertical
	15388.0	35.3	19.2	54.5	74.0	-19.5	Peak	Vertical
	15388.0	25.8	19.2	45.0	54.0	-9.0	Average	Vertical
*	17362.5	41.7	22.4	64.1	68.2	-4.1	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT20(CDD Mode)	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
	11948.0	34.5	15.2	49.7	74.0	-24.3	Peak	Horizontal
*	13775.5	34.1	17.2	51.3	68.2	-16.9	Peak	Horizontal
	15764.5	33.8	19.1	52.9	74.0	-21.1	Peak	Horizontal
*	16725.0	34.2	19.6	53.8	68.2	-14.4	Peak	Horizontal
	11651.7	40.2	15.5	55.7	74.0	-18.3	Peak	Vertical
	11651.7	30.6	15.5	46.1	54.0	-7.9	Average	Vertical
*	14353.5	34.6	17.5	52.1	68.2	-16.1	Peak	Vertical
	15841.0	33.4	19.3	52.7	74.0	-21.3	Peak	Vertical
*	17473.0	43.2	23.2	66.4	68.2	-1.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT40(CDD Mode)	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
	8216.5	37.3	10.6	47.9	74.0	-26.1	Peak	Horizontal
*	10375.5	36.9	13.4	50.3	68.2	-17.9	Peak	Horizontal
	15773.0	32.5	19.0	51.5	74.0	-22.5	Peak	Horizontal
*	16606.0	33.2	19.1	52.3	68.2	-15.9	Peak	Horizontal
	8369.5	37.1	10.7	47.8	74.0	-26.2	Peak	Vertical
*	10452.0	49.4	13.1	62.5	68.2	-5.7	Peak	Vertical
	15692.4	53.7	18.7	72.4	74.0	-1.6	Peak	Vertical
	15692.4	43.6	18.7	62.3	54.0	8.3	Average	Vertical
*	16767.5	33.1	19.6	52.7	68.2	-15.5	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT40(CDD Mode)	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
	8165.5	36.0	10.5	46.5	74.0	-27.5	Peak	Horizontal
*	10460.5	38.2	13.1	51.3	68.2	-16.9	Peak	Horizontal
	15684.7	26.4	18.7	45.1	54.0	-8.9	Average	Horizontal
	15684.7	36.6	18.7	55.3	74.0	-18.7	Peak	Horizontal
*	16742.0	33.1	19.7	52.8	68.2	-15.4	Peak	Horizontal
	8369.5	38.6	10.7	49.3	74.0	-24.7	Peak	Vertical
*	10460.5	49.2	13.1	62.3	68.2	-5.9	Peak	Vertical
	15684.7	34.7	18.7	53.4	54.0	-0.6	Average	Vertical
	15684.7	44.8	18.7	63.5	74.0	-10.5	Peak	Vertical
*	17082.0	33.7	21.0	54.7	68.2	-13.5	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT40(CDD Mode)	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
	8131.5	36.6	10.5	47.1	74.0	-26.9	Peak	Horizontal
*	10137.5	36.1	13.2	49.3	68.2	-18.9	Peak	Horizontal
	11973.5	35.0	15.2	50.2	74.0	-23.8	Peak	Horizontal
*	17260.5	36.8	22.0	58.8	68.2	-9.4	Peak	Horizontal
	11516.5	43.3	14.9	58.2	74.0	-15.8	Peak	Vertical
	11516.5	32.3	14.9	47.2	54.0	-6.8	Average	Vertical
*	14166.5	34.4	17.3	51.7	68.2	-16.5	Peak	Vertical
	15611.5	34.0	18.4	52.4	74.0	-21.6	Peak	Vertical
*	17252.0	43.9	21.8	65.7	68.2	-2.5	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11n-HT40(CDD Mode)	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
	8454.5	36.4	10.9	47.3	74.0	-26.7	Peak	Horizontal
*	9780.5	36.6	12.0	48.6	68.2	-19.6	Peak	Horizontal
	12084.0	34.5	15.6	50.1	74.0	-23.9	Peak	Horizontal
*	17379.5	35.0	22.6	57.6	68.2	-10.6	Peak	Horizontal
	8276.0	36.2	10.5	46.7	74.0	-27.3	Peak	Vertical
*	10052.5	35.3	13.2	48.5	68.2	-19.7	Peak	Vertical
	11588.9	31.1	15.1	46.2	54.0	-7.8	Average	Vertical
	11588.9	40.9	15.1	56.0	74.0	-18.0	Peak	Vertical
*	17379.5	41.3	22.6	63.9	68.2	-4.3	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT20(CDD Mode)	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
	8199.5	36.1	10.3	46.4	74.0	-27.6	Peak	Horizontal
*	10367.0	40.5	13.3	53.8	68.2	-14.4	Peak	Horizontal
	15541.9	35.5	18.5	54.0	74.0	-20.0	Peak	Horizontal
	15541.9	27.9	18.5	46.4	54.0	-7.6	Average	Horizontal
*	16674.0	33.6	19.3	52.9	68.2	-15.3	Peak	Horizontal
	8284.5	37.2	10.6	47.8	74.0	-26.2	Peak	Vertical
*	10358.5	49.3	13.3	62.6	68.2	-5.6	Peak	Vertical
	15540.3	44.6	18.5	63.1	74.0	-10.9	Peak	Vertical
	15540.3	34.8	18.5	53.3	54.0	-0.7	Average	Vertical
*	16937.5	31.4	19.8	51.2	68.2	-17.0	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT20(CDD Mode)	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
	8199.5	36.4	10.3	46.7	74.0	-27.3	Peak	Horizontal
*	10435.0	40.8	13.1	53.9	68.2	-14.3	Peak	Horizontal
	15660.9	36.9	18.8	55.7	74.0	-18.3	Peak	Horizontal
	15660.9	26.9	18.8	45.7	54.0	-8.3	Average	Horizontal
*	16759.0	33.9	19.6	53.5	68.2	-14.7	Peak	Horizontal
	8352.5	39.6	10.5	50.1	74.0	-23.9	Peak	Vertical
*	10443.5	50.7	13.1	63.8	68.2	-4.4	Peak	Vertical
	15662.6	45.6	18.8	64.4	74.0	-9.6	Peak	Vertical
	15662.6	34.4	18.8	53.2	54.0	-0.8	Average	Vertical
*	16895.0	34.0	19.9	53.9	68.2	-14.3	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT20(CDD Mode)	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
	8293.0	36.4	10.7	47.1	74.0	-26.9	Peak	Horizontal
*	10486.0	39.7	13.5	53.2	68.2	-15.0	Peak	Horizontal
	15719.7	26.7	18.7	45.4	54.0	-8.6	Average	Horizontal
	15719.7	36.1	18.7	54.8	74.0	-19.2	Peak	Horizontal
*	16368.0	34.5	19.3	53.8	68.2	-14.4	Peak	Horizontal
	8386.5	37.0	10.8	47.8	74.0	-26.2	Peak	Vertical
*	10477.5	50.4	13.3	63.7	68.2	-4.5	Peak	Vertical
	15721.1	34.8	18.7	53.5	54.0	-0.5	Average	Vertical
	15721.1	45.2	18.7	63.9	74.0	-10.1	Peak	Vertical
*	16640.0	32.5	19.5	52.0	68.2	-16.2	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT20(CDD Mode)	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
	11489.0	35.3	14.9	50.2	74.0	-23.8	Peak	Horizontal
*	13877.5	35.6	17.2	52.8	68.2	-15.4	Peak	Horizontal
	15773.0	34.7	19.0	53.7	74.0	-20.3	Peak	Horizontal
*	17235.0	35.6	21.5	57.1	68.2	-11.1	Peak	Horizontal
	11489.0	44.1	14.9	59.0	74.0	-15.0	Peak	Vertical
	11489.4	32.3	14.9	47.2	54.0	-6.8	Average	Vertical
*	13886.0	34.3	17.2	51.5	68.2	-16.7	Peak	Vertical
	15543.5	34.2	18.6	52.8	74.0	-21.2	Peak	Vertical
*	17243.5	41.2	21.6	62.8	68.2	-5.4	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT20(CDD Mode)	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
	8293.0	35.7	10.7	46.4	74.0	-27.6	Peak	Horizontal
*	9704.0	35.4	12.3	47.7	68.2	-20.5	Peak	Horizontal
	15866.5	34.1	19.1	53.2	74.0	-20.8	Peak	Horizontal
*	17354.0	33.9	22.4	56.3	68.2	-11.9	Peak	Horizontal
	11569.3	31.5	15.1	46.6	54.0	-7.4	Average	Vertical
	11569.3	42.2	15.1	57.3	74.0	-16.7	Peak	Vertical
*	13826.5	35.2	17.4	52.6	68.2	-15.6	Peak	Vertical
	15917.5	33.8	19.4	53.2	74.0	-20.8	Peak	Vertical
*	17354.0	42.0	22.4	64.4	68.2	-3.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT20(CDD Mode)	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
	11648.4	23.2	15.5	38.7	54.0	-15.3	Average	Horizontal
	11648.4	40.7	15.5	56.2	74.0	-17.8	Peak	Horizontal
*	14226.0	35.5	17.2	52.7	68.2	-15.5	Peak	Horizontal
	15849.5	33.3	19.3	52.6	74.0	-21.4	Peak	Horizontal
*	17481.5	37.8	23.4	61.2	68.2	-7.0	Peak	Horizontal
	11650.0	29.1	15.5	44.6	54.0	-9.4	Average	Vertical
	11650.0	40.7	15.5	56.2	74.0	-17.8	Peak	Vertical
*	13979.5	34.9	17.0	51.9	68.2	-16.3	Peak	Vertical
	15909.0	33.5	19.4	52.9	74.0	-21.1	Peak	Vertical
*	17467.7	43.2	23.2	66.4	68.2	-1.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT40(CDD Mode)	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
	12288.0	35.9	15.4	51.3	74.0	-22.7	Peak	Horizontal
*	14107.0	34.5	17.4	51.9	68.2	-16.3	Peak	Horizontal
	16087.5	34.5	19.0	53.5	74.0	-20.5	Peak	Horizontal
*	17473.0	35.0	23.2	58.2	68.2	-10.0	Peak	Horizontal
	8301.5	38.0	10.6	48.6	74.0	-25.4	Peak	Vertical
*	10392.5	44.6	13.4	58.0	68.2	-10.2	Peak	Vertical
	15570.4	40.0	18.7	58.7	74.0	-15.3	Peak	Vertical
	15570.4	27.8	18.7	46.5	54.0	-7.5	Average	Vertical
*	16589.0	34.6	19.0	53.6	68.2	-14.6	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT40(CDD Mode)	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
	8437.5	35.7	10.7	46.4	74.0	-27.6	Peak	Horizontal
*	10460.5	38.0	13.1	51.1	68.2	-17.1	Peak	Horizontal
	15690.5	27.4	18.7	46.1	54.0	-7.9	Average	Average
	15690.5	37.7	18.7	56.4	74.0	-17.6	Peak	Horizontal
*	16818.5	34.1	19.8	53.9	68.2	-14.3	Peak	Horizontal
	8369.5	37.7	10.7	48.4	74.0	-25.6	Peak	Vertical
*	10469.0	48.8	13.1	61.9	68.2	-6.3	Peak	Vertical
	15685.2	45.6	18.7	64.3	74.0	-9.7	Peak	Vertical
	15685.2	34.6	18.7	53.3	54.0	-0.7	Average	Vertical
*	16733.5	32.7	19.6	52.3	68.2	-15.9	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT40(CDD Mode)	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
	11497.5	35.1	14.8	49.9	74.0	-24.1	Peak	Horizontal
*	14226.0	34.8	17.2	52.0	68.2	-16.2	Peak	Horizontal
	15926.0	33.4	19.5	52.9	74.0	-21.1	Peak	Horizontal
*	17252.0	35.4	21.8	57.2	68.2	-11.0	Peak	Horizontal
	11510.1	31.9	14.8	46.7	54.0	-7.3	Average	Vertical
	11510.1	41.4	14.8	56.2	74.0	-17.8	Peak	Vertical
*	14166.5	35.7	17.3	53.0	68.2	-15.2	Peak	Vertical
	15917.5	33.6	19.4	53.0	74.0	-21.0	Peak	Vertical
*	17258.2	45.5	22.0	67.5	68.2	-0.7	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT40(CDD Mode)	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
	11064.0	35.7	14.4	50.1	74.0	-23.9	Peak	Horizontal
*	14277.0	34.4	18.0	52.4	68.2	-15.8	Peak	Horizontal
	15577.5	34.1	18.6	52.7	74.0	-21.3	Peak	Horizontal
*	17379.5	35.2	22.6	57.8	68.2	-10.4	Peak	Horizontal
	11595.4	40.2	15.1	55.3	74.0	-18.7	Peak	Vertical
	11595.4	30.2	15.1	45.3	54.0	-8.7	Average	Vertical
*	13962.5	35.3	17.1	52.4	68.2	-15.8	Peak	Vertical
	15832.5	33.8	19.3	53.1	74.0	-20.9	Peak	Vertical
*	17379.2	44.5	22.6	67.1	68.2	-1.1	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT80(CDD Mode)	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
	8437.5	36.0	10.7	46.7	74.0	-27.3	Peak	Horizontal
*	10265.0	35.4	13.5	48.9	68.2	-19.3	Peak	Horizontal
	12390.0	33.8	15.6	49.4	74.0	-24.6	Peak	Horizontal
*	13835.0	34.5	17.4	51.9	68.2	-16.3	Peak	Horizontal
	8335.5	37.5	10.4	47.9	74.0	-26.1	Peak	Vertical
*	10435.0	38.9	13.1	52.0	68.2	-16.2	Peak	Vertical
	12492.0	34.5	16.1	50.6	74.0	-23.4	Peak	Vertical
*	16852.5	34.6	19.8	54.4	68.2	-13.8	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)

Product	MESH AP Product	Test Engineer	Silence Liu
Test Site	NS-AC1	Test Date	2020/11/02
Test Mode	802.11ac-VHT80(CDD Mode)	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
	8463.0	36.3	10.9	47.2	74.0	-26.8	Peak	Horizontal
*	10239.5	35.8	13.3	49.1	68.2	-19.1	Peak	Horizontal
	11565.5	35.3	15.1	50.4	74.0	-23.6	Peak	Horizontal
*	13716.0	34.8	17.2	52.0	68.2	-16.2	Peak	Horizontal
	11568.5	40.8	15.1	55.9	74.0	-18.1	Peak	Vertical
	11568.5	29.3	15.1	44.4	54.0	-9.6	Average	Vertical
*	13954.0	34.4	17.2	51.6	68.2	-16.6	Peak	Vertical
	15917.5	33.9	19.4	53.3	74.0	-20.7	Peak	Vertical
*	17362.5	43.2	22.4	65.6	68.2	-2.6	Peak	Vertical

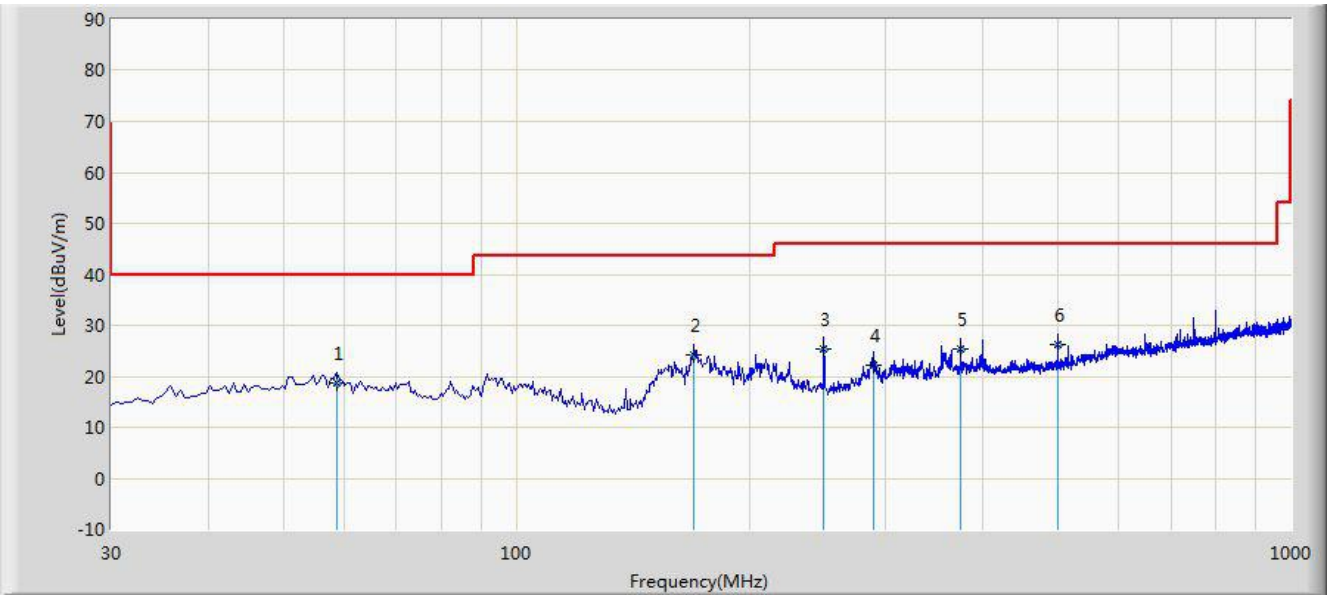
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: NS-AC1	Time: 2020/11/02 - 17:07
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Louie Liu
Probe: NS-AC1_VULB9162_287_with 4dB attenuation	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	



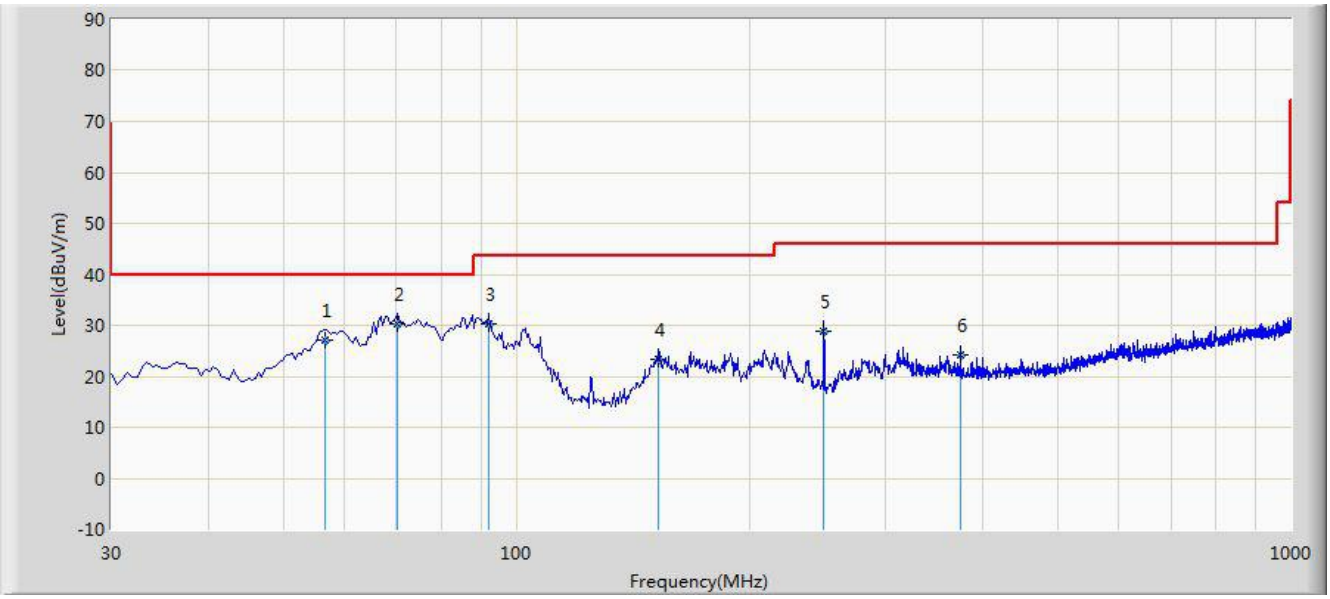
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			58.615	18.790	0.027	-21.210	40.000	18.763	QP
2		*	169.680	24.100	9.006	-19.400	43.500	15.094	QP
3			249.705	25.348	7.365	-20.652	46.000	17.983	QP
4			289.475	22.174	3.323	-23.826	46.000	18.850	QP
5			374.835	25.260	4.355	-20.740	46.000	20.905	QP
6			499.965	26.210	3.804	-19.790	46.000	22.405	QP

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

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Site: NS-AC1	Time: 2020/11/02 - 17:25
Limit: FCC_Part 15.209_RSE(3m)	Engineer: Louie Liu
Probe: NS-AC1_VULB9162_287_with 4dB attenuation	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Worst Case Mode: Transmit by 802.11n-HT40 at Channel 5190MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			56.675	27.102	7.804	-12.898	40.000	19.298	QP
2		*	70.255	30.234	14.504	-9.766	40.000	15.729	QP
3			92.080	30.254	14.104	-13.246	43.500	16.150	QP
4			152.705	23.416	9.140	-20.084	43.500	14.276	QP
5			249.705	28.937	10.954	-17.063	46.000	17.983	QP
6			374.835	24.170	3.265	-21.830	46.000	20.905	QP

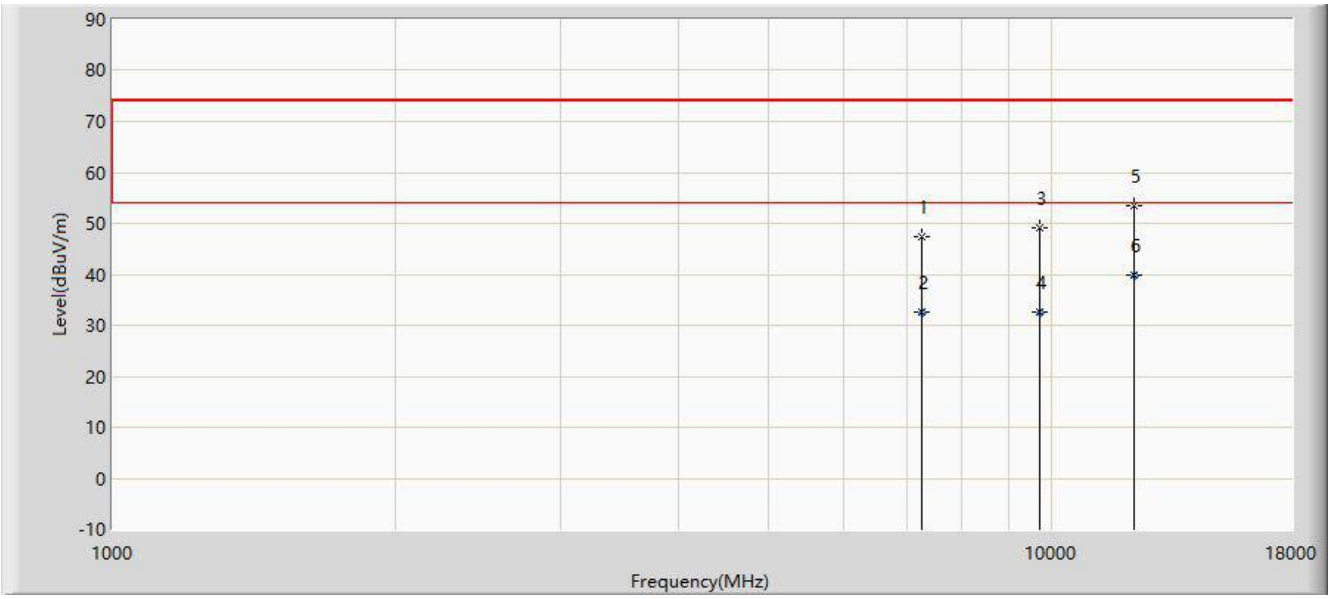
Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: The amplitude of radiated emissions (frequency range from 9kHz ~ 30MHz, 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

Test Result of Radiated Emissions for Co-location

Test Mode:	Wi-Fi 2.4GHz + Wi-Fi 5G Transmit	Test Site:	NS-AC1
Test Engineer:	Silence Liu	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		

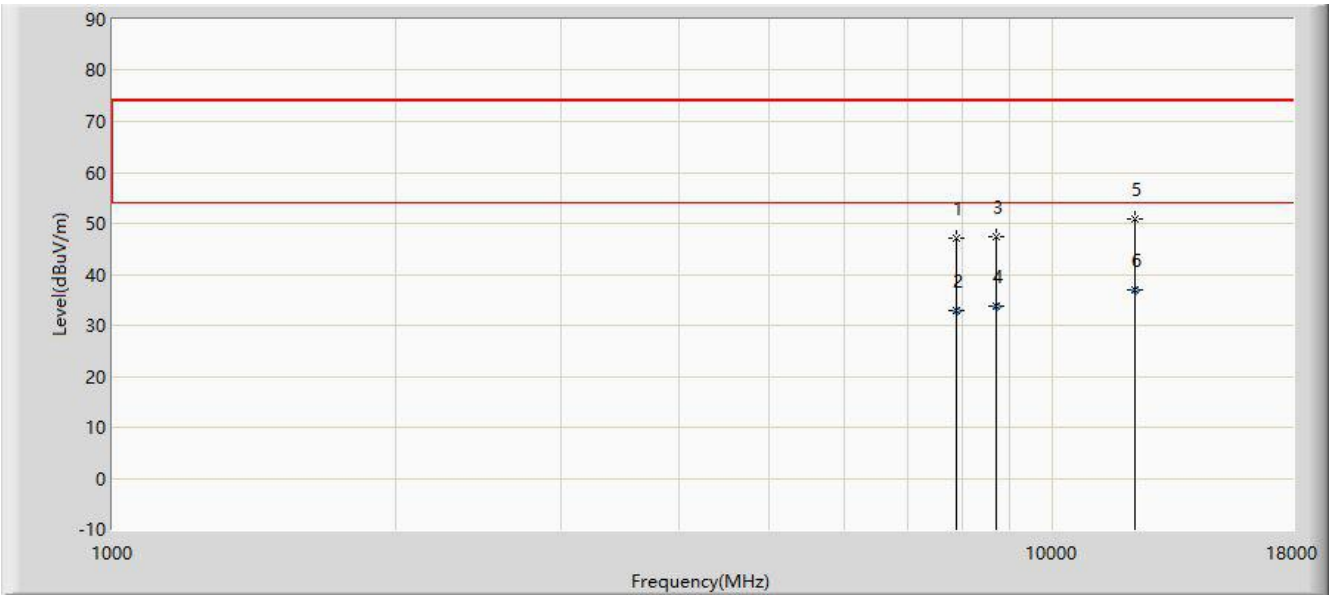


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7264.500	47.467	38.353	-26.533	74.000	9.114	PK
2			7265.830	32.699	23.580	-21.301	54.000	9.120	AV
3			9704.000	49.252	36.947	-24.748	74.000	12.304	PK
4			9708.250	32.538	20.254	-21.462	54.000	12.284	AV
5			12237.000	53.435	38.153	-20.565	74.000	15.282	PK
6		*	12239.560	39.949	24.650	-14.051	54.000	15.299	AV

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

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

Test Mode:	Wi-Fi 2.4GHz + Wi-Fi 5G Transmit	Test Site:	NS-AC1
Test Engineer:	Silence Liu	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			7893.500	47.075	36.840	-26.925	74.000	10.235	PK
2			7895.680	32.948	22.680	-21.052	54.000	10.268	AV
3			8692.500	47.251	35.849	-26.749	74.000	11.403	PK
4			8695.300	33.637	22.180	-20.363	54.000	11.457	AV
5			12211.500	50.781	35.493	-23.219	74.000	15.288	PK
6		*	12215.600	36.923	21.680	-17.077	54.000	15.244	AV

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

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

6.9. Radiated Restricted Band Edge Measurement

6.9.1. 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	156.52475-156.52525	2483.5 - 2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690 - 2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260 - 3267	23.6-24.0
12.29-12.293	167.72-173.2	3332 - 3339	31.2-31.8
12.51975-12.52025	240 - 285	3345.8 - 3358	36.43-36.5
12.57675-12.57725	322-335.4	3600 - 4400	([2])
13.36-13.41	--	--	--

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 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

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 (μV/m)	Measured Distance (m)
0.009 - 0.490	2400/F (kHz)	300
0.490 - 1.705	24000/F (kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

6.9.2. Test Procedure Used

KDB 789033 D02v02r01- Section G

6.9.3. Test Setting

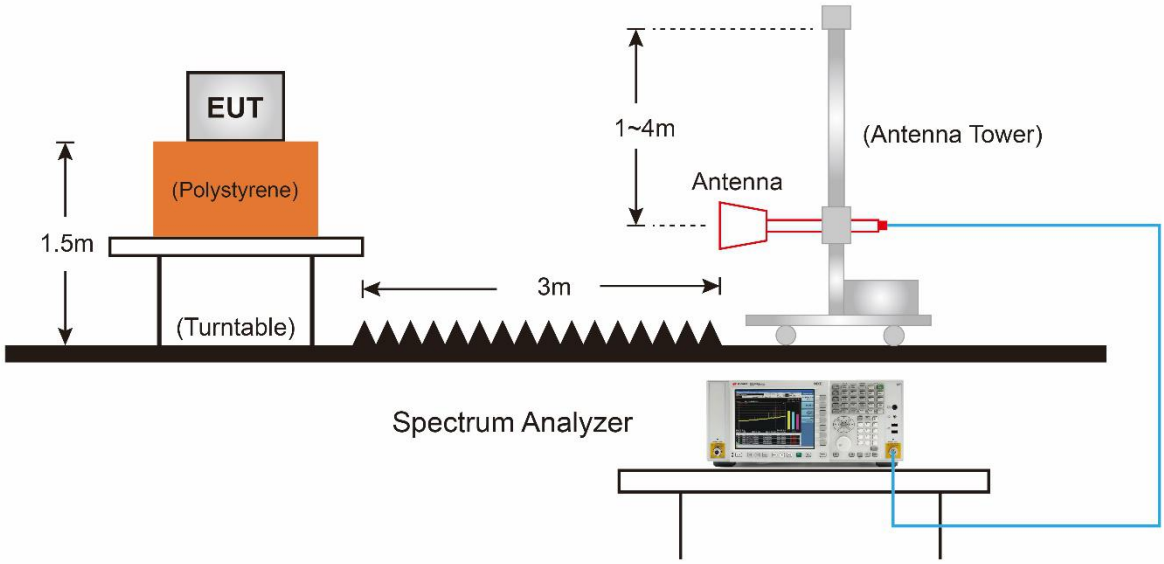
Peak Measurements above 1GHz

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)

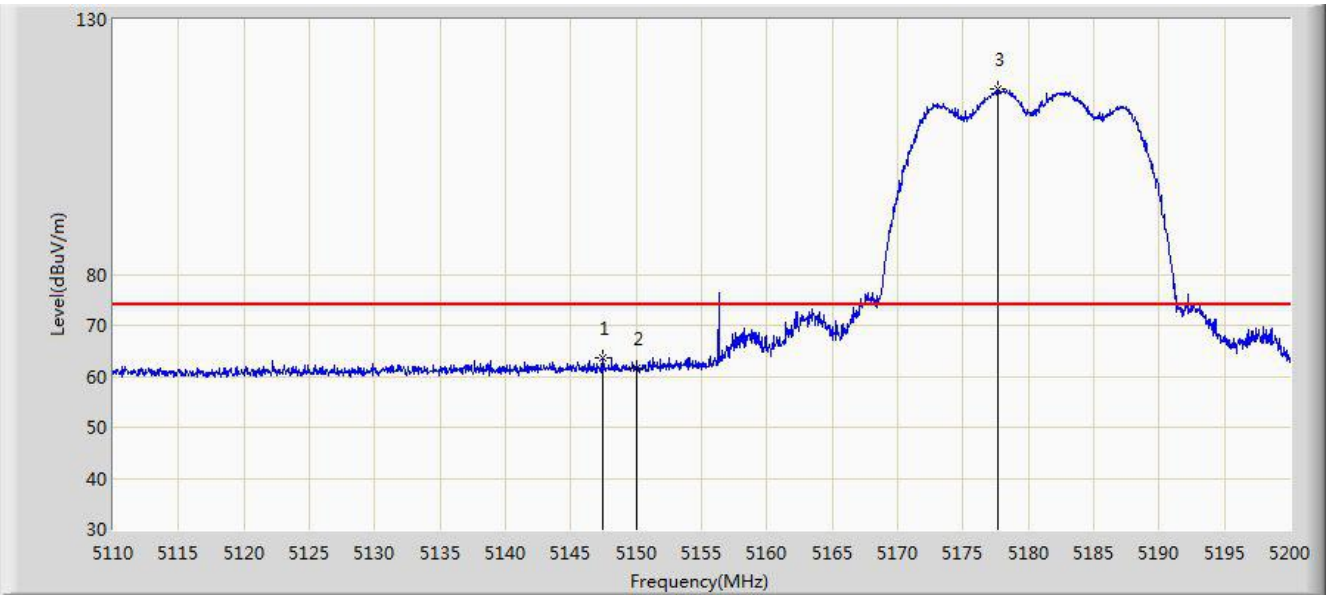
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW; if the EUT is configured to transmit with duty cycle ≥ 98%, set VBW = 10Hz
4. If the EUT duty cycle is < 98%, set VBW ≥ 1/T. T is the minimum transmission duration
5. Detector = Peak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

6.9.4. Test Setup



6.9.5. Test Result

Site: NS-AC1	Time: 2020/11/03 - 21:08
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz (CDD Mode)	

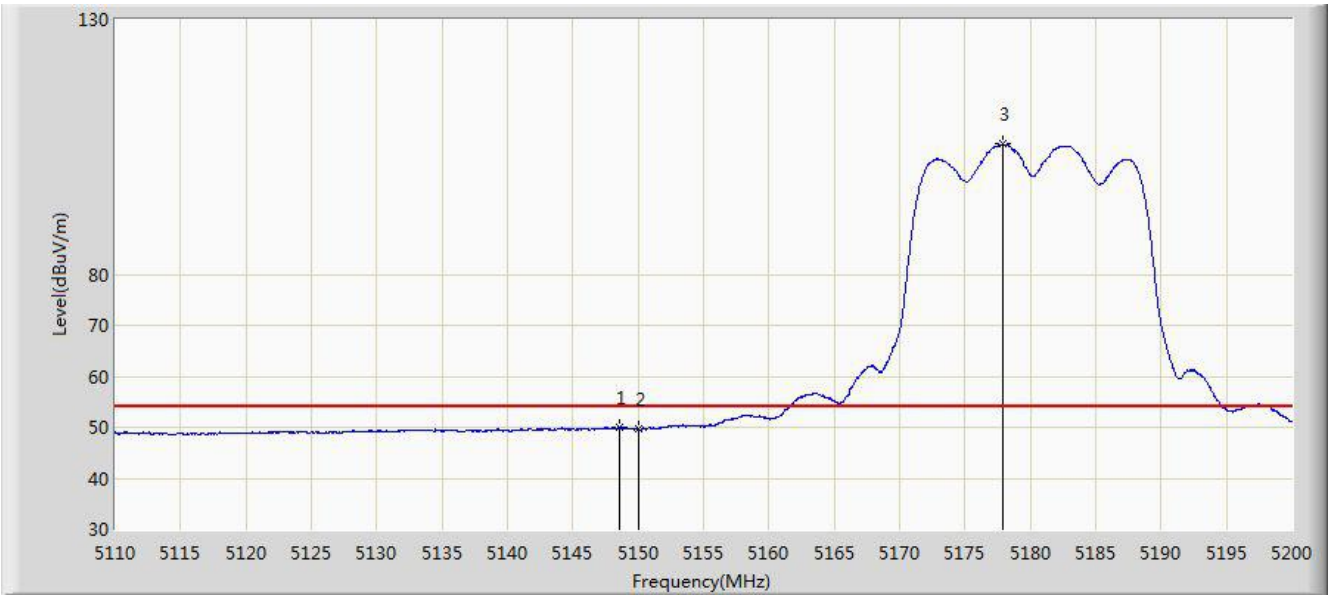


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.395	63.590	60.945	-10.410	74.000	2.645	PK
2			5150.000	61.638	58.989	-12.362	74.000	2.649	PK
3		*	5177.725	116.508	113.953	N/A	N/A	2.555	PK

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:31
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz (CDD Mode)	

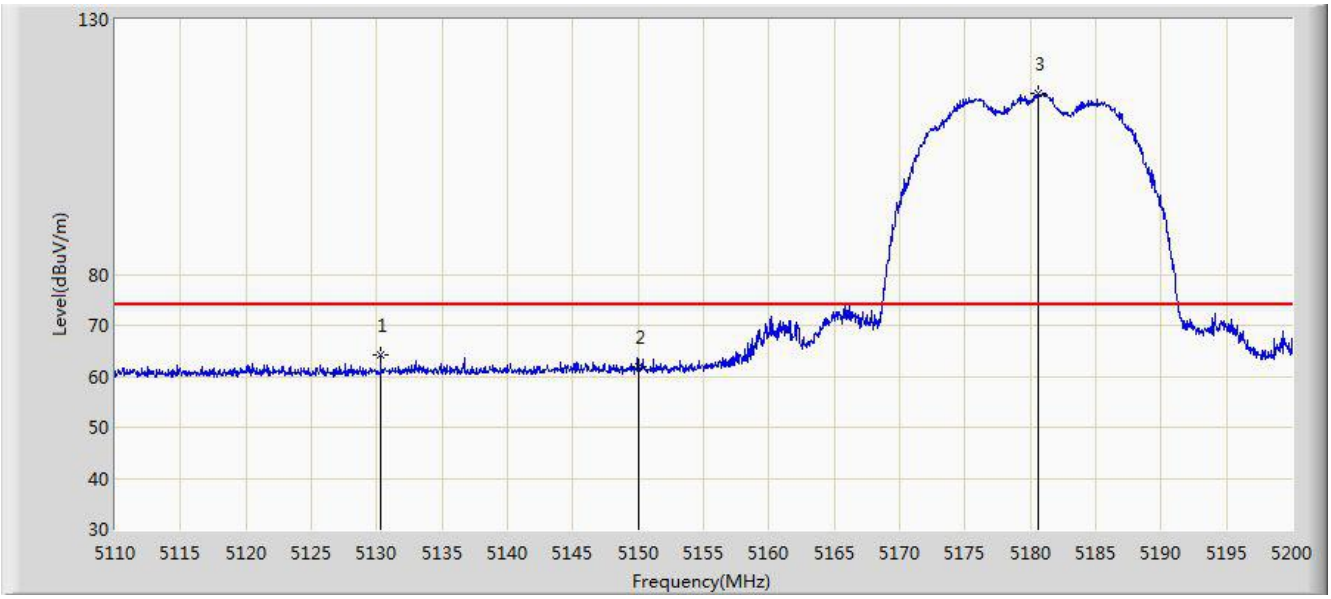


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.610	49.988	47.342	-4.012	54.000	2.646	AV
2			5150.000	49.576	46.927	-4.424	54.000	2.649	AV
3		*	5177.950	105.562	103.009	N/A	N/A	2.553	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:32
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz (CDD Mode)	

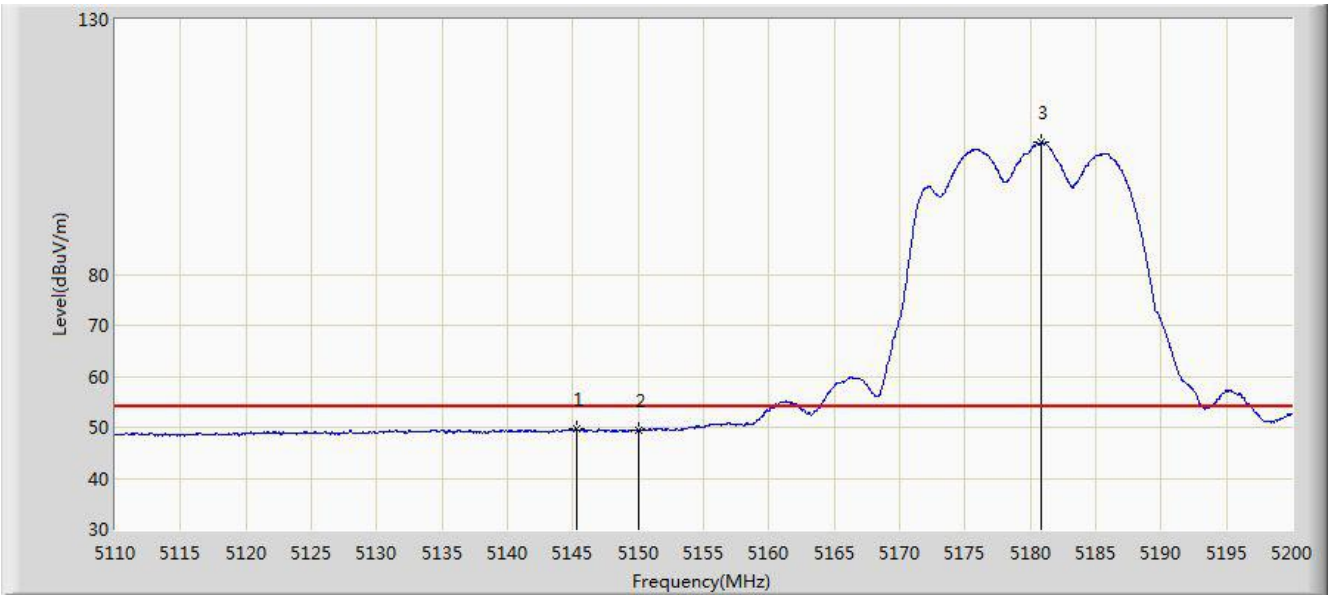


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.295	64.064	61.426	-9.936	74.000	2.637	PK
2			5150.000	61.759	59.110	-12.241	74.000	2.649	PK
3		*	5180.560	115.410	112.883	N/A	N/A	2.528	PK

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:35
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz (CDD Mode)	

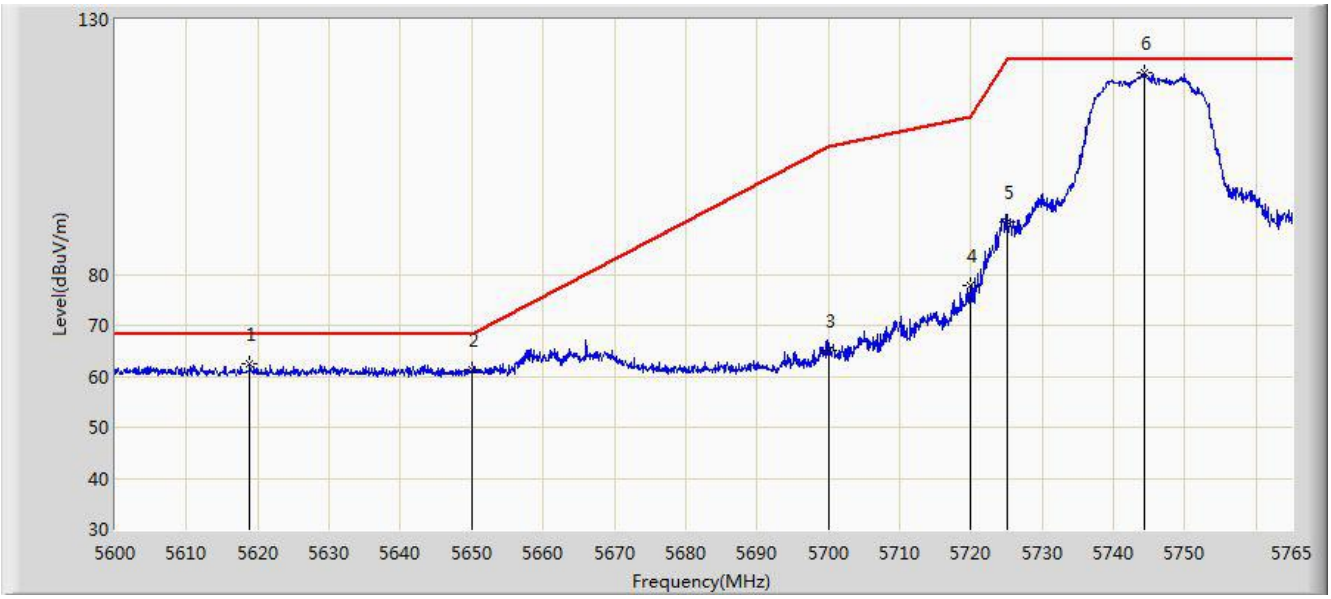


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.325	49.770	47.125	-4.230	54.000	2.645	AV
2			5150.000	49.433	46.784	-4.567	54.000	2.649	AV
3		*	5180.875	105.951	103.427	N/A	N/A	2.525	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 22:00
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz (CDD Mode)	

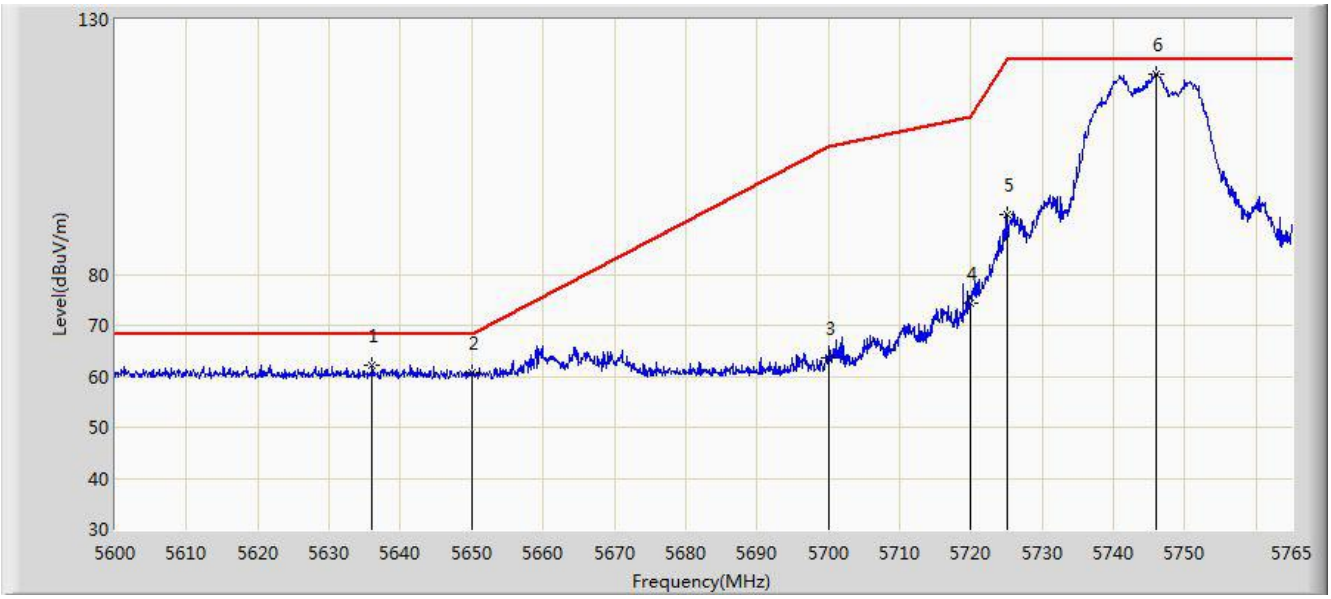


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5618.810	62.520	58.731	-5.680	68.200	3.790	PK
2			5650.000	61.357	57.587	-6.843	68.200	3.770	PK
3			5700.000	65.101	61.133	-40.099	105.200	3.968	PK
4			5720.000	77.860	74.046	-32.940	110.800	3.814	PK
5			5725.000	90.328	86.549	-31.872	122.200	3.779	PK
6		*	5744.375	119.542	115.657	N/A	N/A	3.885	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: NS-AC1	Time: 2020/11/03 - 22:05
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz (CDD Mode)	

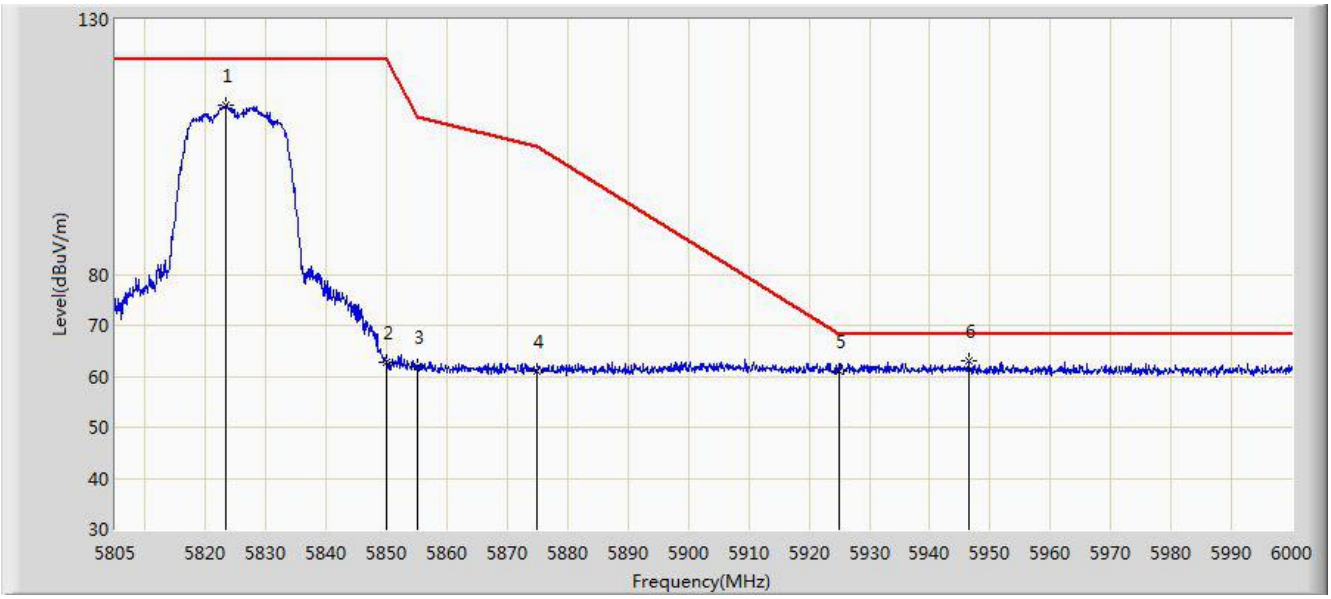


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5636.053	62.313	58.581	-5.887	68.200	3.732	PK
2			5650.000	60.626	56.856	-7.574	68.200	3.770	PK
3			5700.000	63.670	59.702	-41.530	105.200	3.968	PK
4			5720.000	74.470	70.656	-36.330	110.800	3.814	PK
5			5725.000	91.824	88.045	-30.376	122.200	3.779	PK
6		*	5746.025	119.305	115.400	N/A	N/A	3.906	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: NS-AC1	Time: 2020/11/03 - 22:11
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz (CDD Mode)	

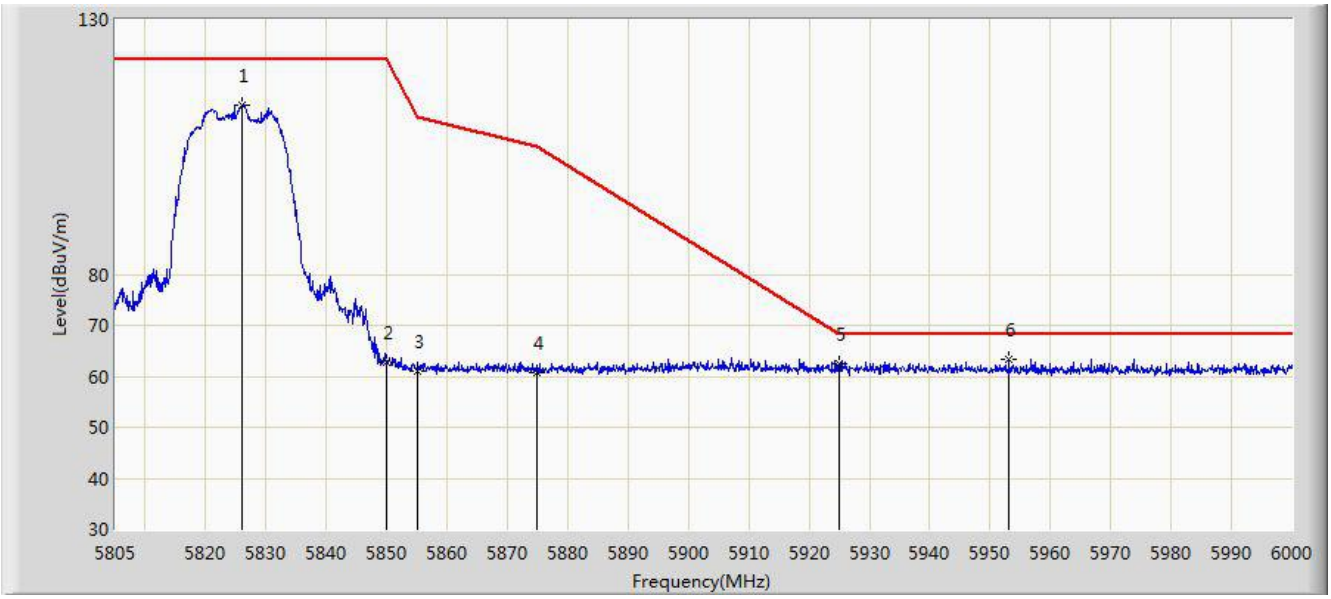


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5823.232	113.087	109.095	N/A	N/A	3.992	PK
2			5850.000	62.883	58.588	-59.317	122.200	4.295	PK
3			5855.000	61.785	57.456	-49.015	110.800	4.329	PK
4			5875.000	61.044	56.685	-44.156	105.200	4.360	PK
5			5925.000	61.143	56.487	-7.057	68.200	4.656	PK
6		*	5946.375	63.159	58.476	-5.041	68.200	4.683	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: NS-AC1	Time: 2020/11/03 - 22:14
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz (CDD Mode)	

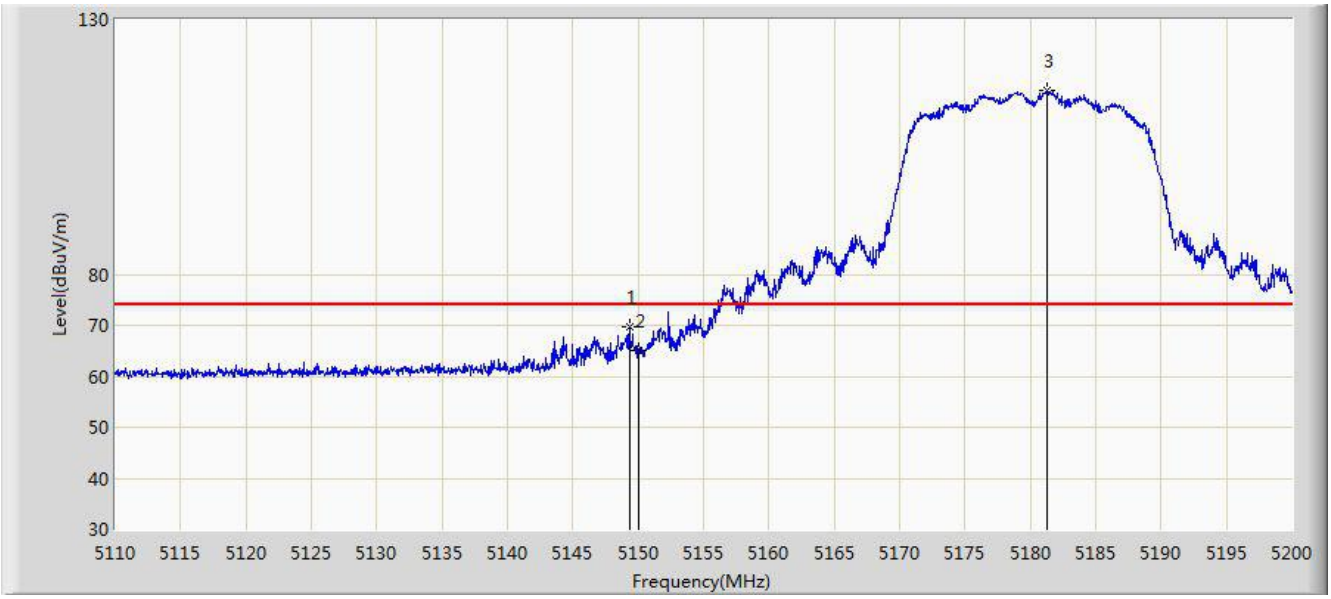


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.060	113.304	109.312	N/A	N/A	3.992	PK
2			5850.000	62.679	58.384	-59.521	122.200	4.295	PK
3			5855.000	61.093	56.764	-49.707	110.800	4.329	PK
4			5875.000	60.824	56.465	-44.376	105.200	4.360	PK
5			5925.000	62.469	57.813	-5.731	68.200	4.656	PK
6		*	5953.103	63.477	58.803	-4.723	68.200	4.674	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: NS-AC1	Time: 2020/11/03 - 21:36
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz (CDD Mode)	

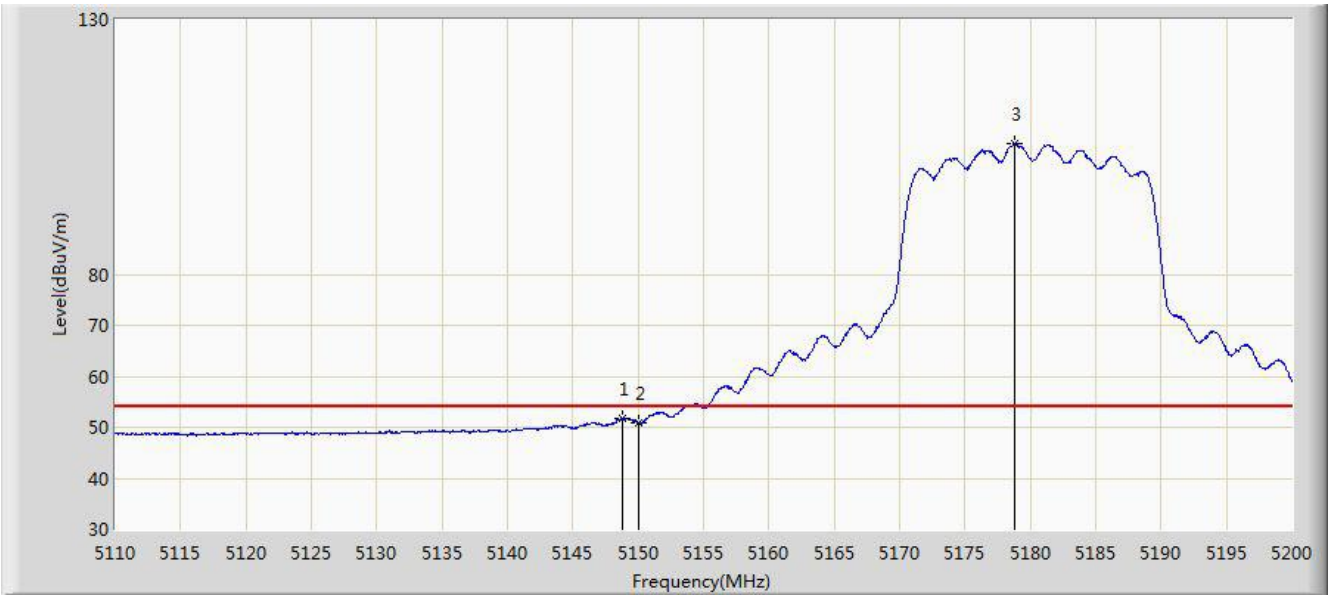


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.330	69.666	67.018	-4.334	74.000	2.647	PK
2			5150.000	65.102	62.453	-8.898	74.000	2.649	PK
3		*	5181.280	115.989	113.469	N/A	N/A	2.520	PK

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:39
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz (CDD Mode)	

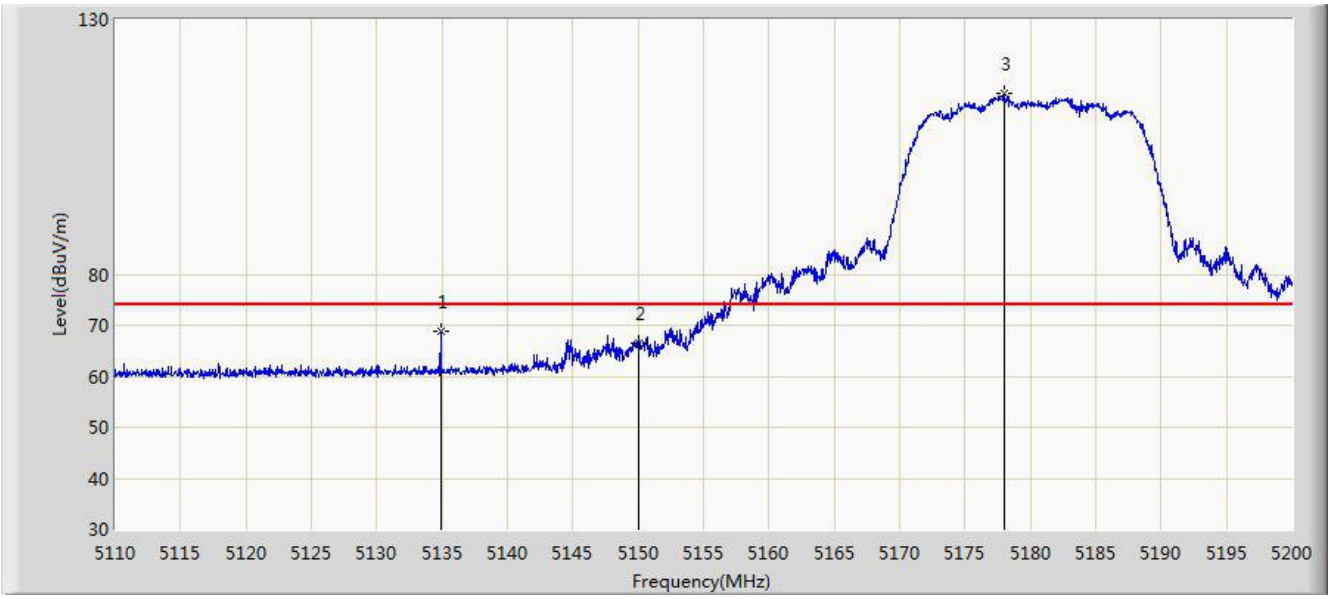


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.790	51.809	49.163	-2.191	54.000	2.646	AV
2			5150.000	50.875	48.226	-3.125	54.000	2.649	AV
3		*	5178.760	105.626	103.081	N/A	N/A	2.545	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:40
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz (CDD Mode)	

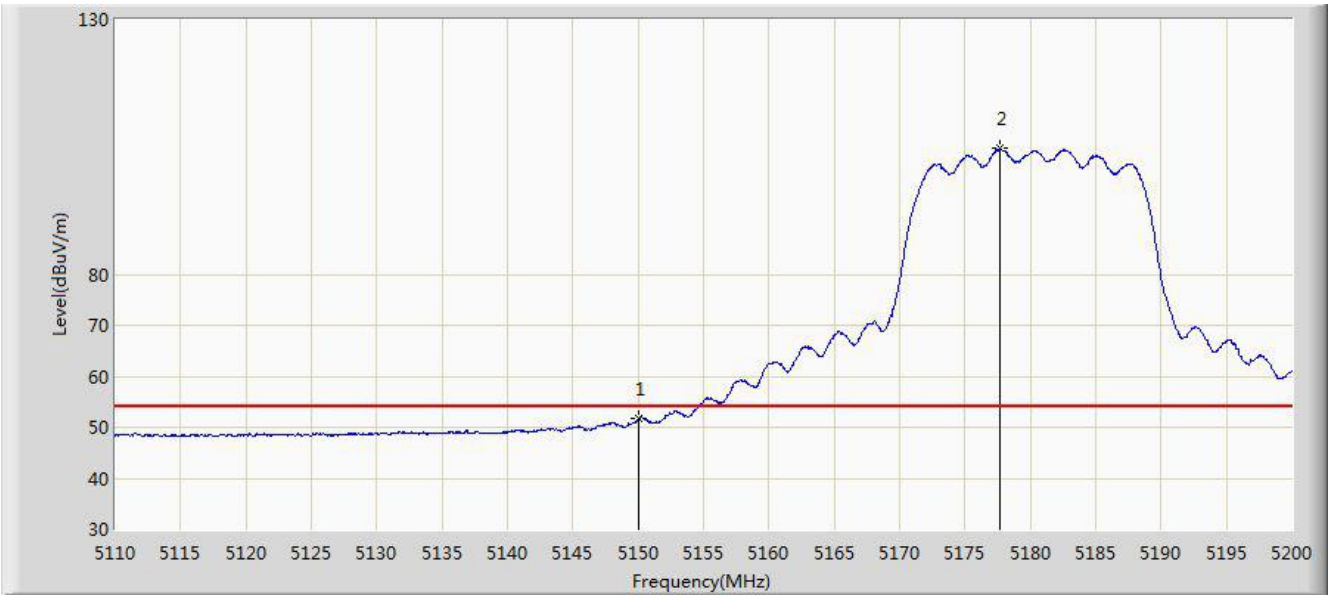


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5134.885	68.924	66.276	-5.076	74.000	2.649	PK
2			5150.000	66.416	63.767	-7.584	74.000	2.649	PK
3		*	5177.995	115.523	112.970	N/A	N/A	2.552	PK

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:43
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz (CDD Mode)	

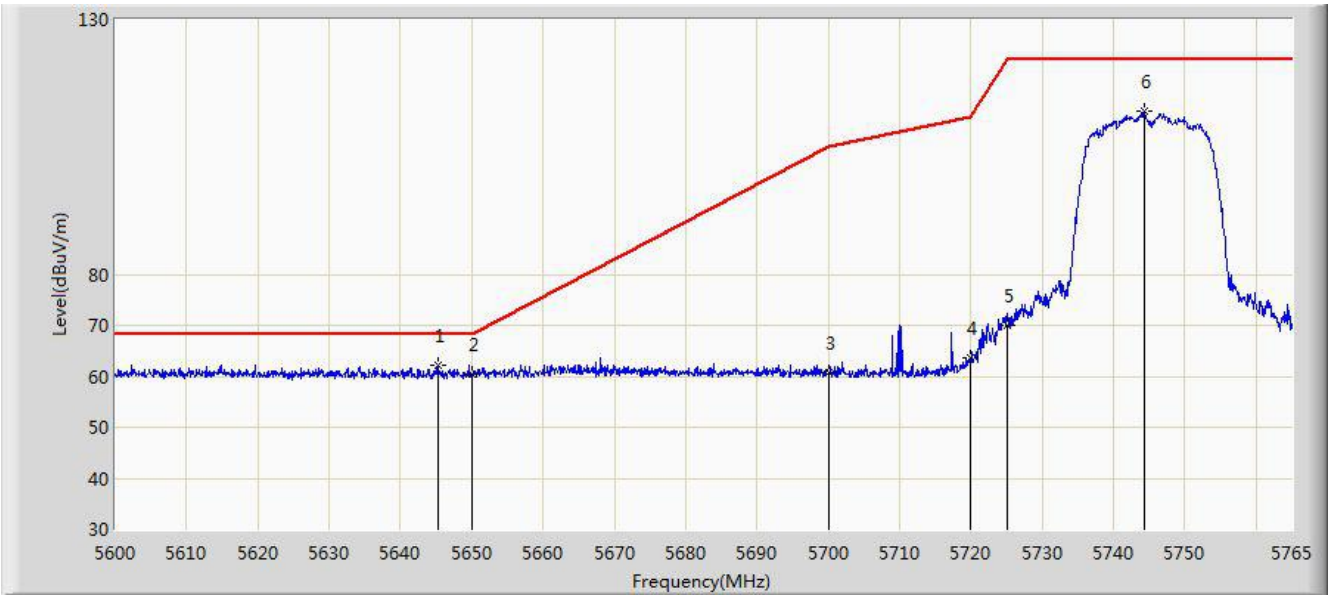


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.615	48.966	-2.385	54.000	2.649	AV
2		*	5177.725	104.746	102.191	N/A	N/A	2.555	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 22:18
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz (CDD Mode)	

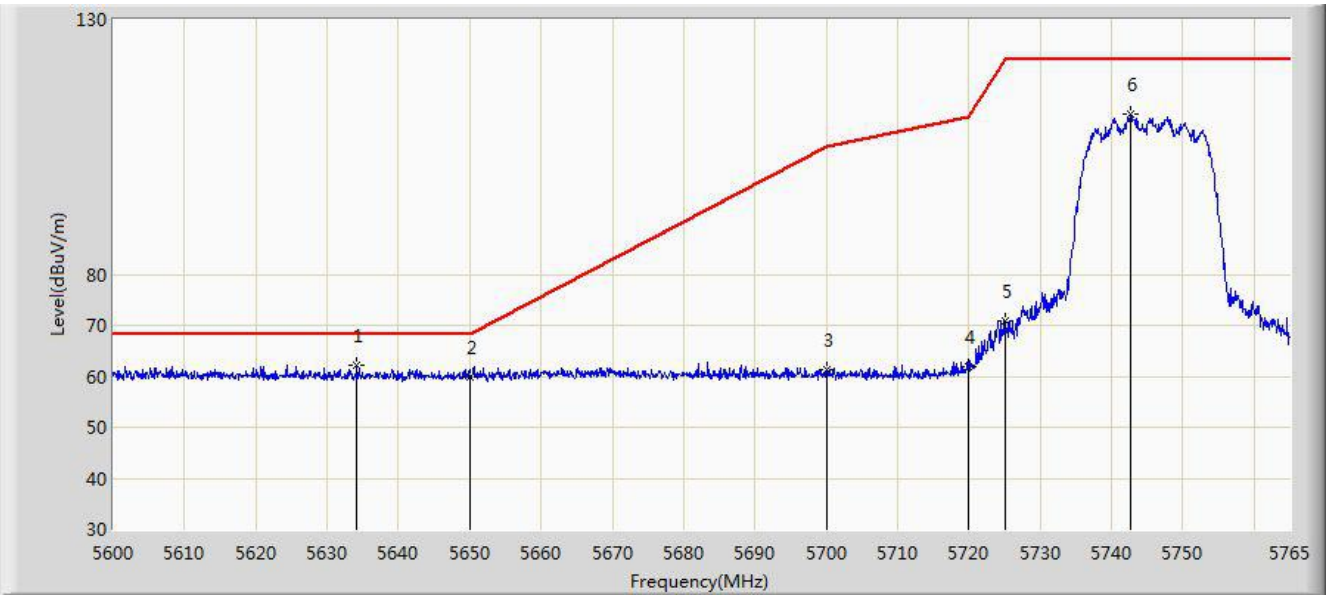


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.375	62.202	58.460	-5.998	68.200	3.743	PK
2			5650.000	60.431	56.661	-7.769	68.200	3.770	PK
3			5700.000	60.615	56.647	-44.585	105.200	3.968	PK
4			5720.000	63.750	59.936	-47.050	110.800	3.814	PK
5			5725.000	69.897	66.118	-52.303	122.200	3.779	PK
6			5744.375	112.131	108.246	N/A	N/A	3.885	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: NS-AC1	Time: 2020/11/03 - 22:21
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz (CDD Mode)	

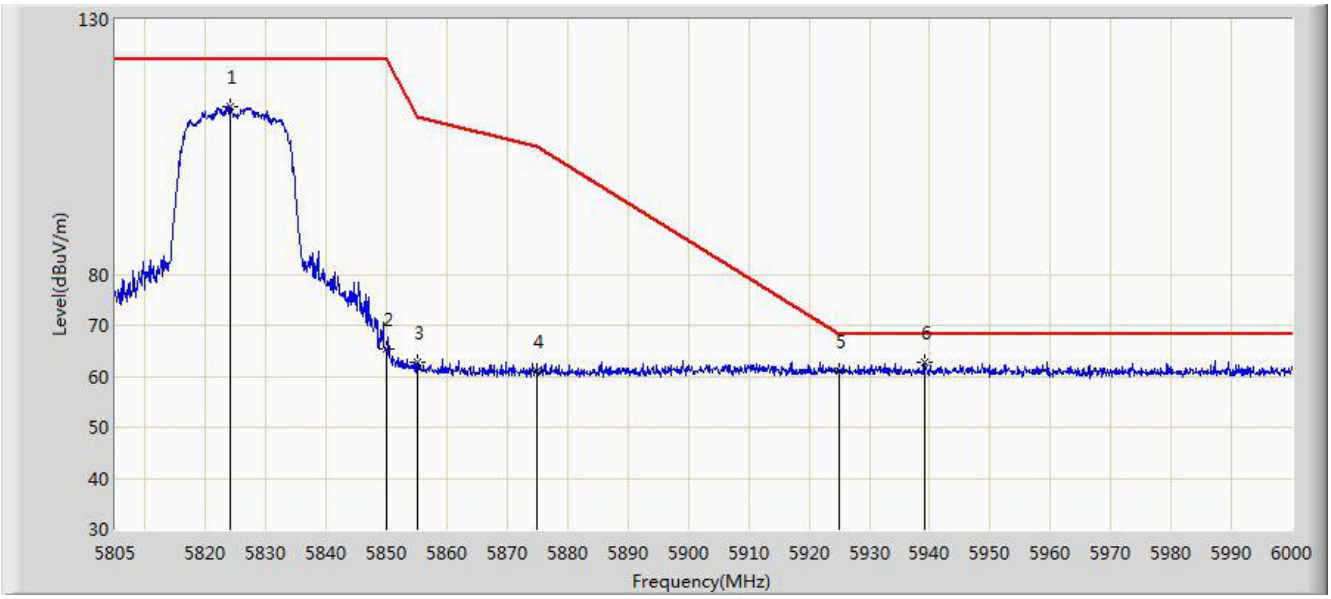


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.155	62.154	58.416	-6.046	68.200	3.739	PK
2			5650.000	59.994	56.224	-8.206	68.200	3.770	PK
3			5700.000	61.208	57.240	-43.992	105.200	3.968	PK
4			5720.000	61.984	58.170	-48.816	110.800	3.814	PK
5			5725.000	70.894	67.115	-51.306	122.200	3.779	PK
6			5742.725	111.305	107.439	N/A	N/A	3.867	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: NS-AC1	Time: 2020/11/03 - 22:23
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz (CDD Mode)	

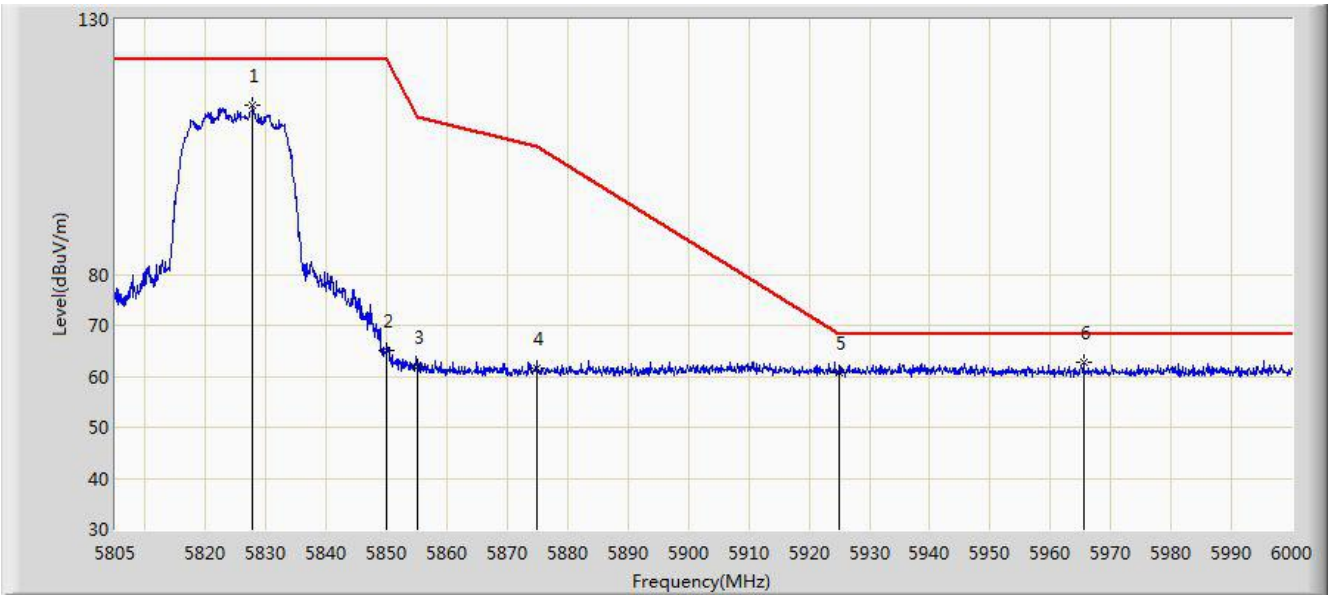


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5824.110	112.984	108.992	N/A	N/A	3.992	PK
2			5850.000	65.225	60.930	-56.975	122.200	4.295	PK
3			5855.000	62.775	58.446	-48.025	110.800	4.329	PK
4			5875.000	61.144	56.785	-44.056	105.200	4.360	PK
5			5925.000	61.095	56.439	-7.105	68.200	4.656	PK
6		*	5939.160	62.800	58.113	-5.400	68.200	4.688	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: NS-AC1	Time: 2020/11/03 - 22:26
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz (CDD Mode)	

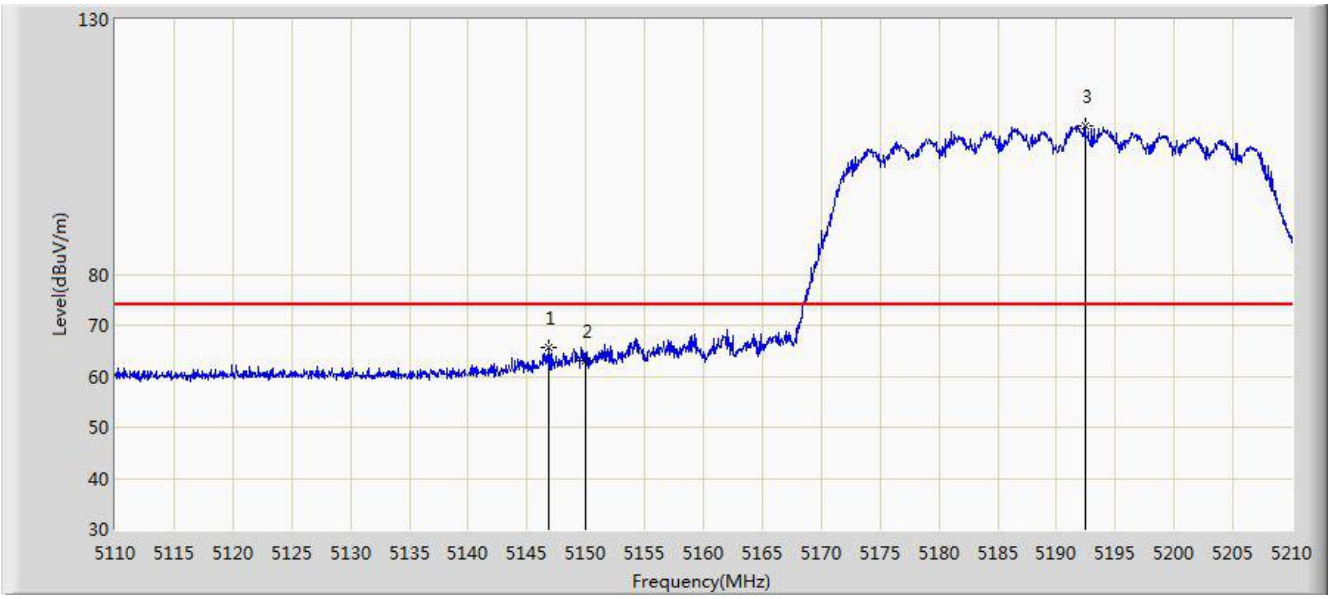


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5827.717	113.144	109.151	N/A	N/A	3.993	PK
2			5850.000	64.929	60.634	-57.271	122.200	4.295	PK
3			5855.000	61.762	57.433	-49.038	110.800	4.329	PK
4			5875.000	61.617	57.258	-43.583	105.200	4.360	PK
5			5925.000	60.858	56.202	-7.342	68.200	4.656	PK
6		*	5965.485	62.795	58.135	-5.405	68.200	4.659	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: NS-AC1	Time: 2020/10/31 - 21:26
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz (CDD Mode)	

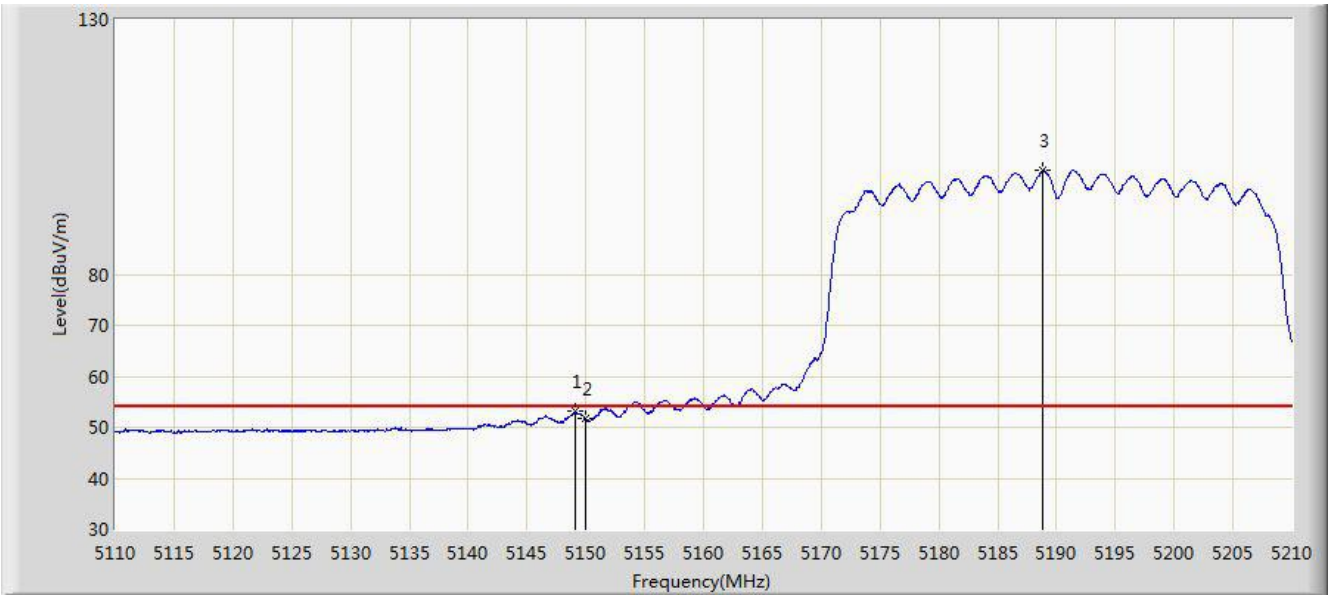


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.800	65.785	63.140	-8.215	74.000	2.645	PK
2			5150.000	63.024	60.375	-10.976	74.000	2.649	PK
3		*	5192.450	109.154	106.612	N/A	N/A	2.542	PK

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

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

Site: NS-AC1	Time: 2020/10/31 - 21:24
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz (CDD Mode)	

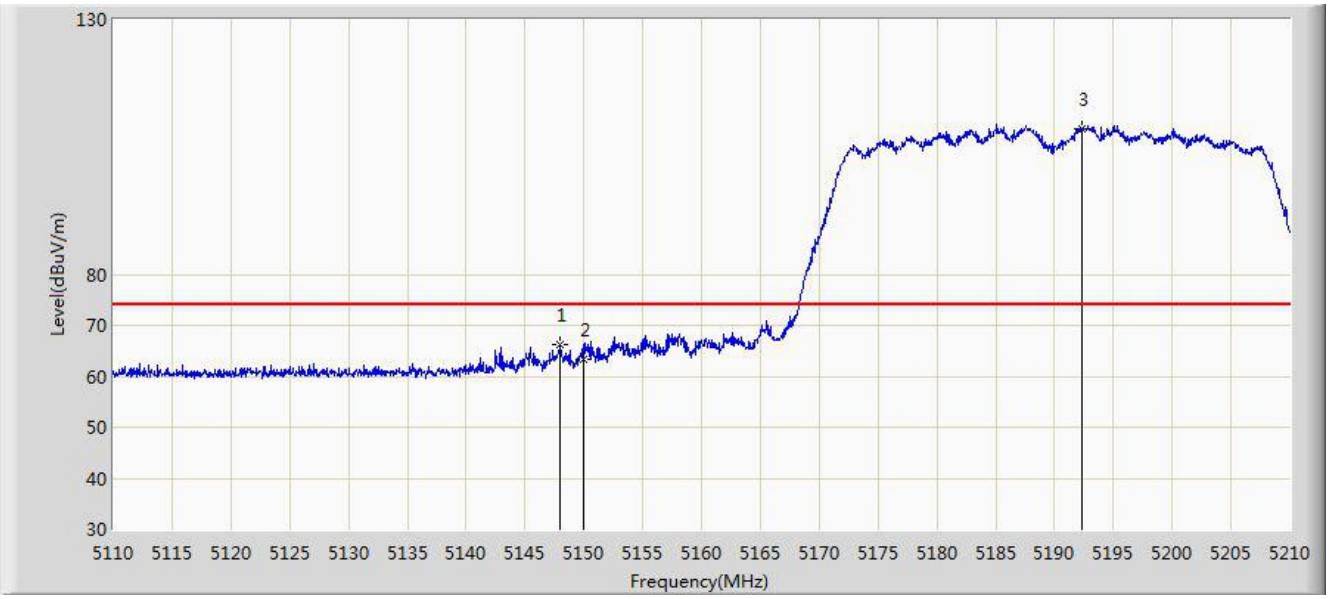


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.150	53.126	50.479	-0.874	54.000	2.647	AV
2			5150.000	51.743	49.094	-2.257	54.000	2.649	AV
3		*	5188.850	100.427	97.895	N/A	N/A	2.531	AV

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

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

Site: NS-AC1	Time: 2020/10/31 - 21:28
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz (CDD Mode)	

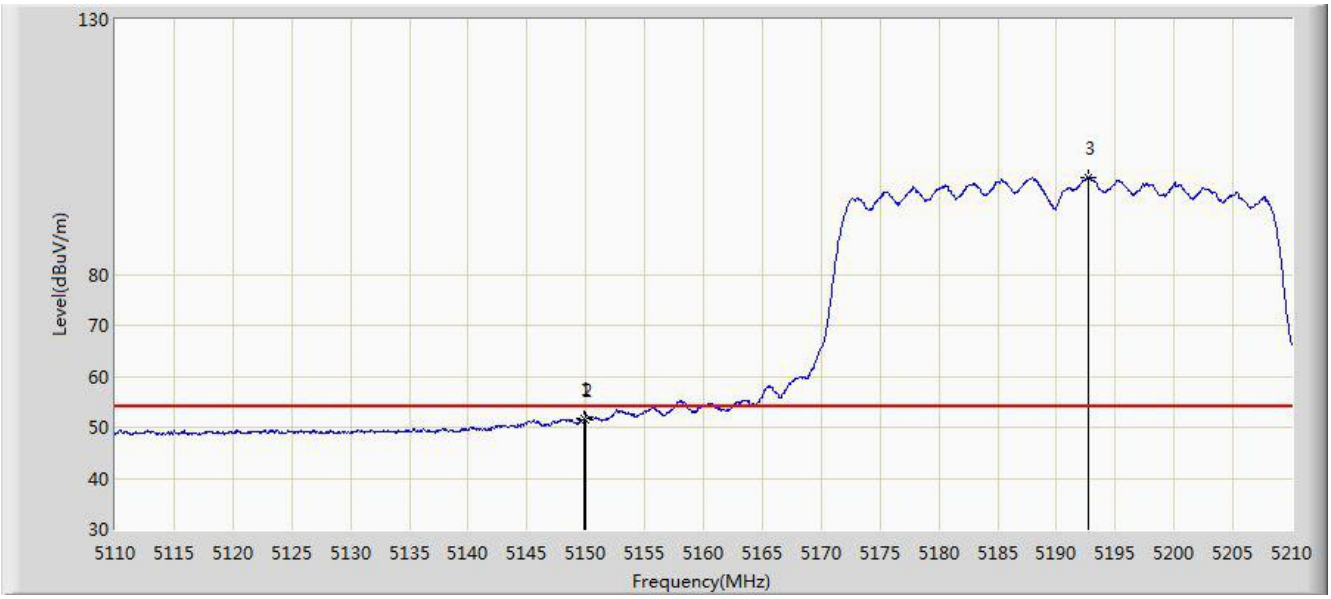


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.000	66.344	63.699	-7.656	74.000	2.645	PK
2			5150.000	63.424	60.775	-10.576	74.000	2.649	PK
3		*	5192.350	108.422	105.881	N/A	N/A	2.541	PK

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

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

Site: NS-AC1	Time: 2020/10/31 - 21:30
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz(CDD Mode)	

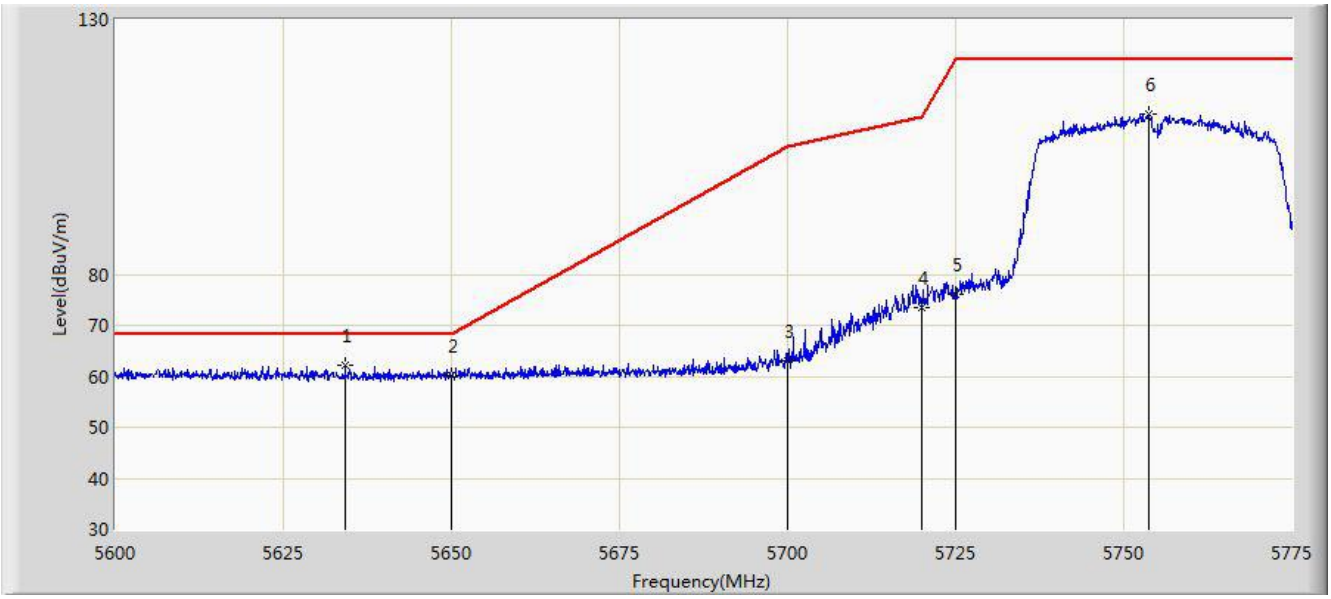


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.900	51.625	48.976	-2.375	54.000	2.649	AV
2			5150.000	51.517	48.868	-2.483	54.000	2.649	AV
3		*	5192.700	98.975	96.433	N/A	N/A	2.542	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 22:29
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz (CDD Mode)	

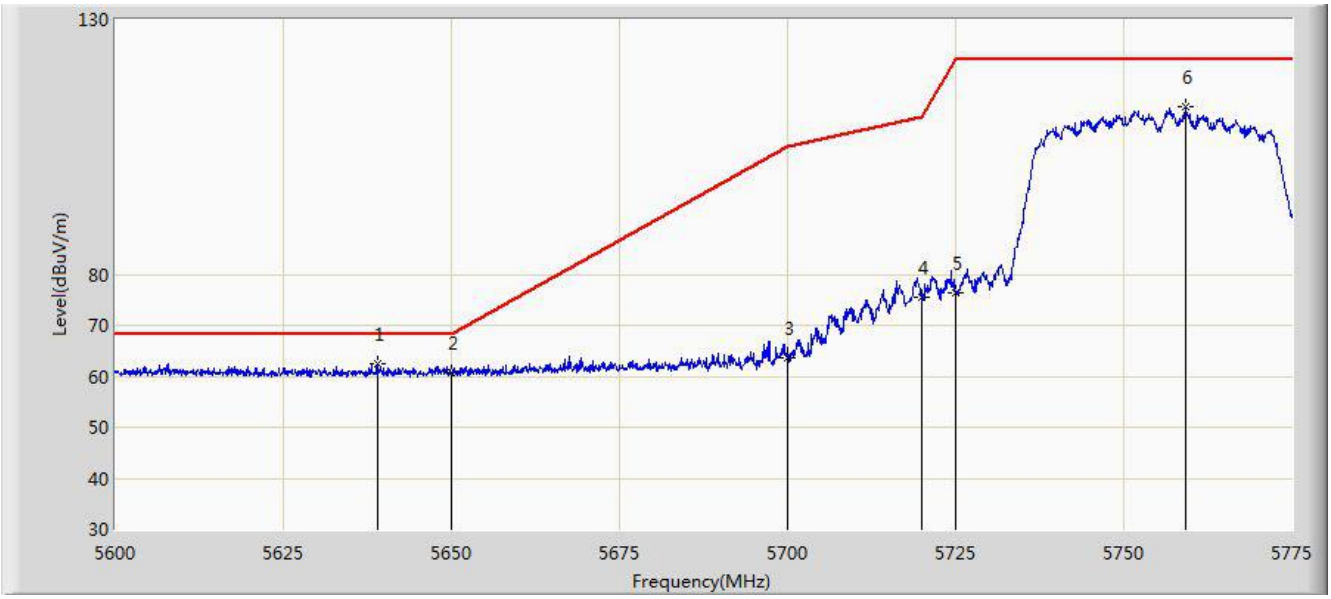


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.212	62.127	58.389	-6.073	68.200	3.738	PK
2			5650.000	60.110	56.340	-8.090	68.200	3.770	PK
3			5700.000	63.111	59.143	-42.089	105.200	3.968	PK
4			5720.000	73.588	69.774	-37.212	110.800	3.814	PK
5			5725.000	76.016	72.237	-46.184	122.200	3.779	PK
6			5753.650	111.589	107.590	N/A	N/A	3.999	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: NS-AC1	Time: 2020/11/03 - 22:31
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz (CDD Mode)	

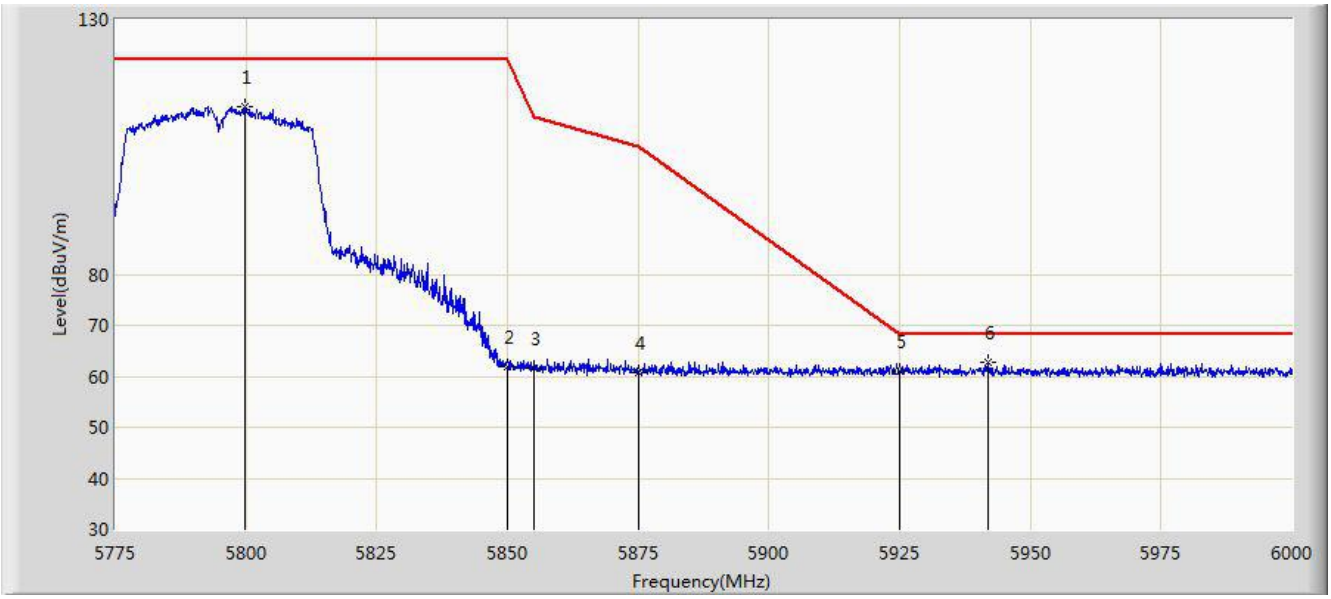


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.937	62.370	58.647	-5.830	68.200	3.724	PK
2			5650.000	60.681	56.911	-7.519	68.200	3.770	PK
3			5700.000	63.612	59.644	-41.588	105.200	3.968	PK
4			5720.000	75.610	71.796	-35.190	110.800	3.814	PK
5			5725.000	76.479	72.700	-45.721	122.200	3.779	PK
6			5759.163	112.839	108.772	N/A	N/A	4.067	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: NS-AC1	Time: 2020/11/03 - 22:34
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz (CDD Mode)	

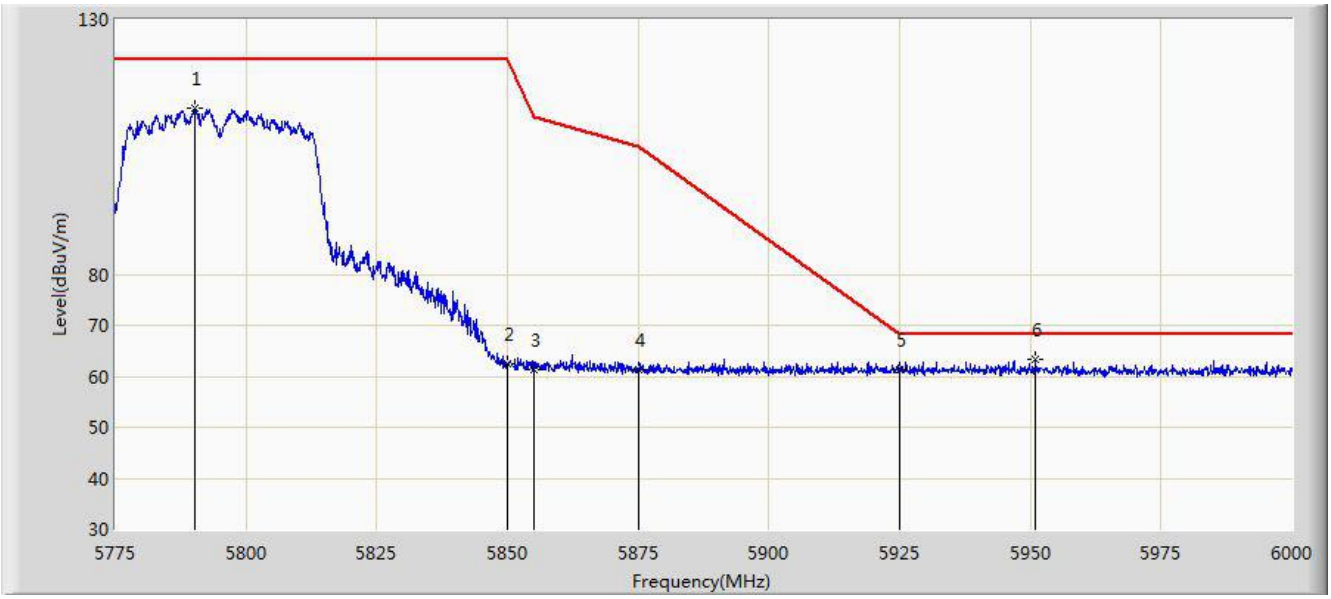


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5799.750	112.919	108.858	N/A	N/A	4.060	PK
2			5850.000	61.859	57.564	-60.341	122.200	4.295	PK
3			5855.000	61.537	57.208	-49.263	110.800	4.329	PK
4			5875.000	60.632	56.273	-44.568	105.200	4.360	PK
5			5925.000	60.975	56.319	-7.225	68.200	4.656	PK
6		*	5941.837	62.879	58.193	-5.321	68.200	4.686	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: NS-AC1	Time: 2020/11/03 - 22:37
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz (CDD Mode)	

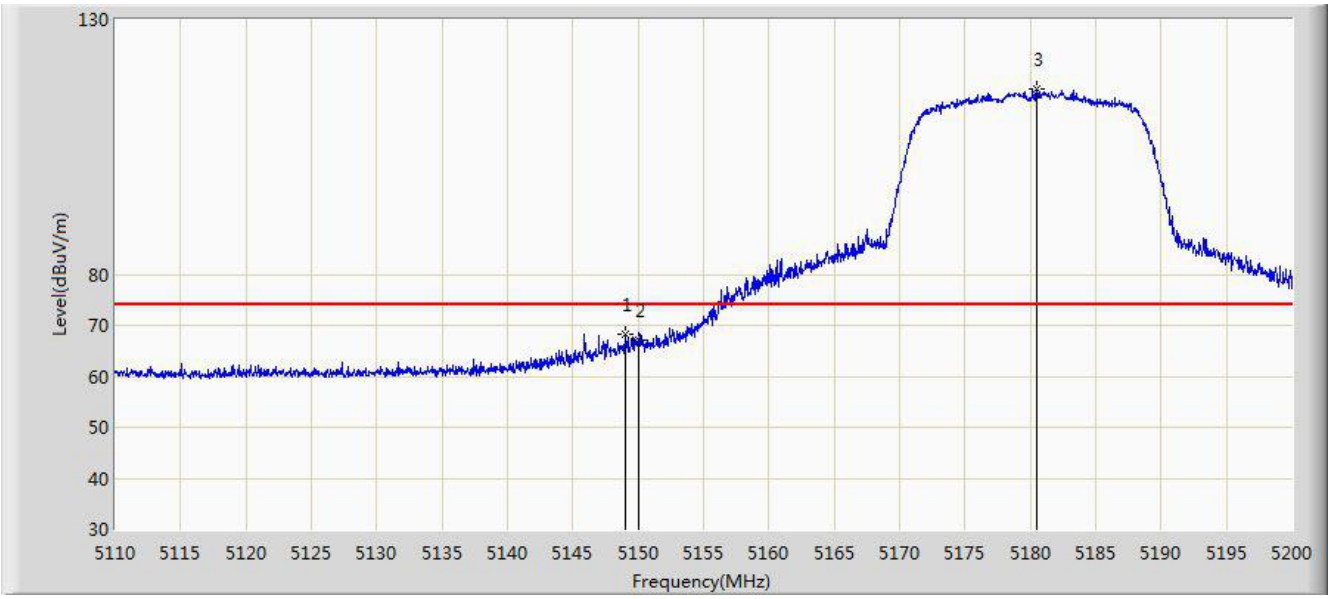


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5790.300	112.557	108.437	N/A	N/A	4.120	PK
2			5850.000	62.499	58.204	-59.701	122.200	4.295	PK
3			5855.000	61.315	56.986	-49.485	110.800	4.329	PK
4			5875.000	61.429	57.070	-43.771	105.200	4.360	PK
5			5925.000	61.373	56.717	-6.827	68.200	4.656	PK
6		*	5951.062	63.258	58.581	-4.942	68.200	4.676	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: NS-AC1	Time: 2020/11/03 - 21:48
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (CDD Mode)	

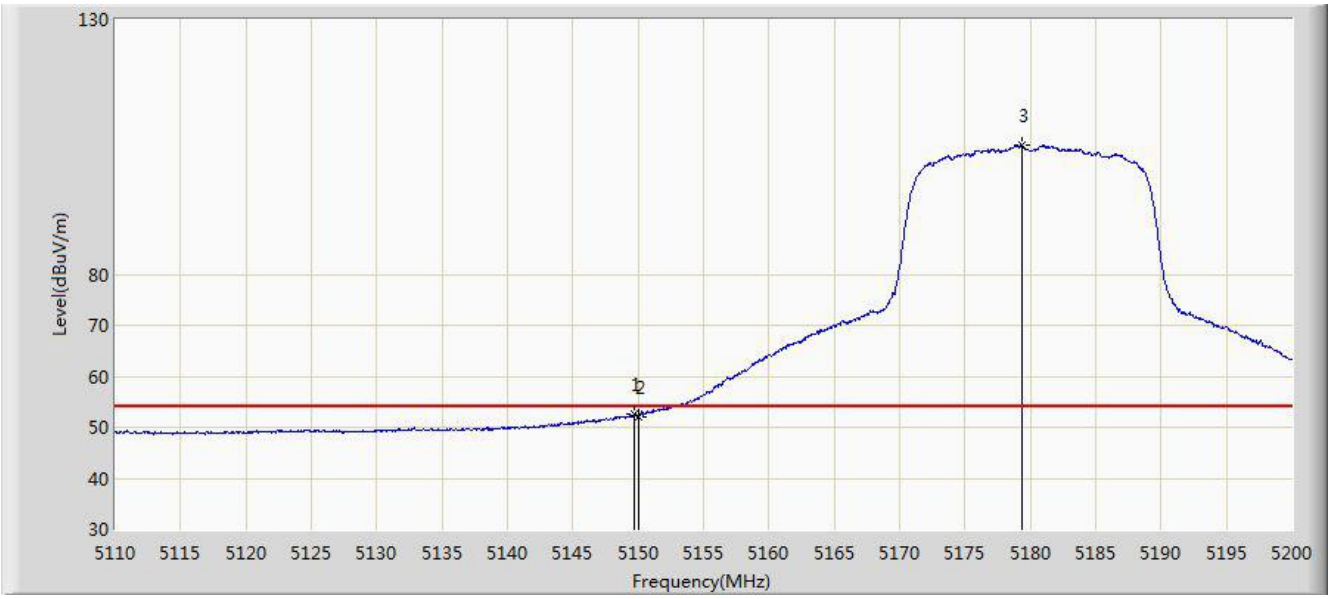


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.060	68.223	65.576	-5.777	74.000	2.646	PK
2			5150.000	67.202	64.553	-6.798	74.000	2.649	PK
3		*	5180.470	116.233	113.705	N/A	N/A	2.528	PK

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:52
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (CDD Mode)	

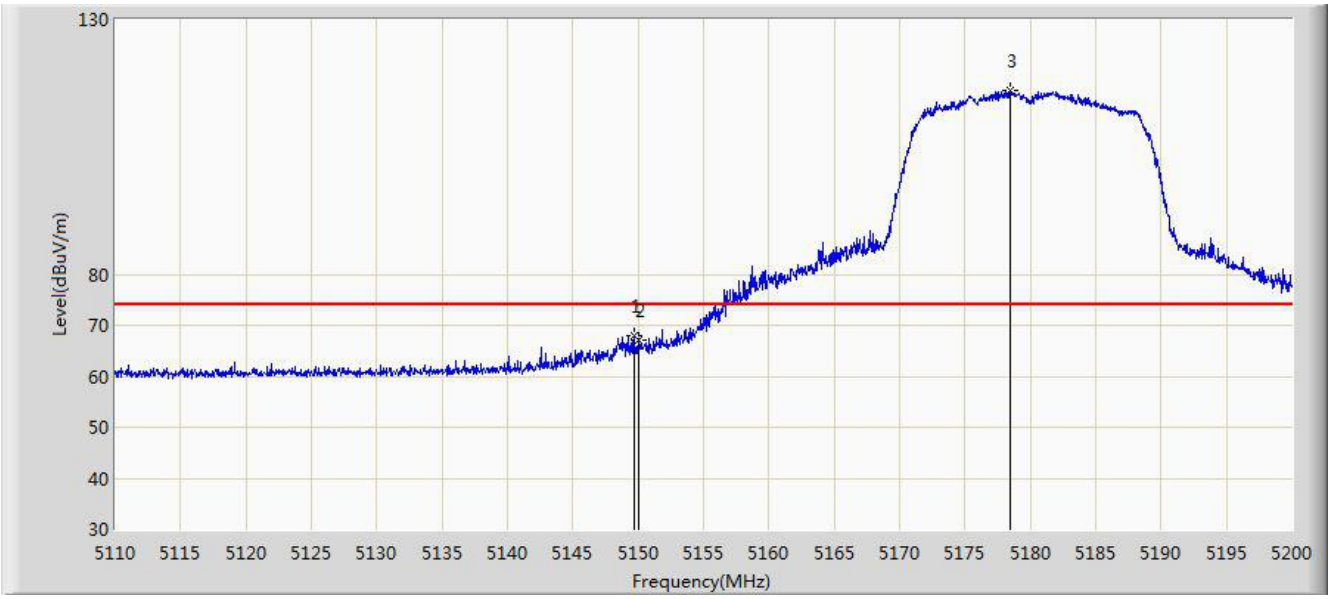


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.690	52.596	49.948	-1.404	54.000	2.649	AV
2			5150.000	52.155	49.506	-1.845	54.000	2.649	AV
3		*	5179.390	105.283	102.744	N/A	N/A	2.539	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:54
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (CDD Mode)	

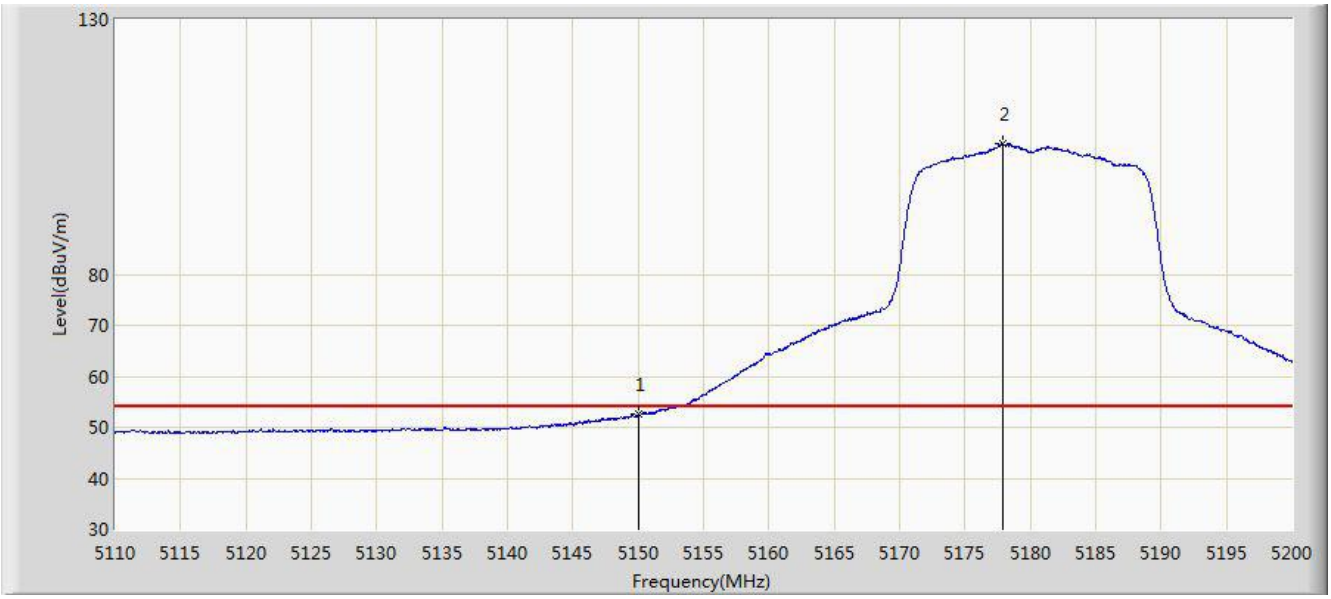


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.645	67.845	65.197	-6.155	74.000	2.649	PK
2			5150.000	67.051	64.402	-6.949	74.000	2.649	PK
3		*	5178.445	116.108	113.560	N/A	N/A	2.548	PK

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

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

Site: NS-AC1	Time: 2020/11/03 - 21:57
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz (CDD Mode)	

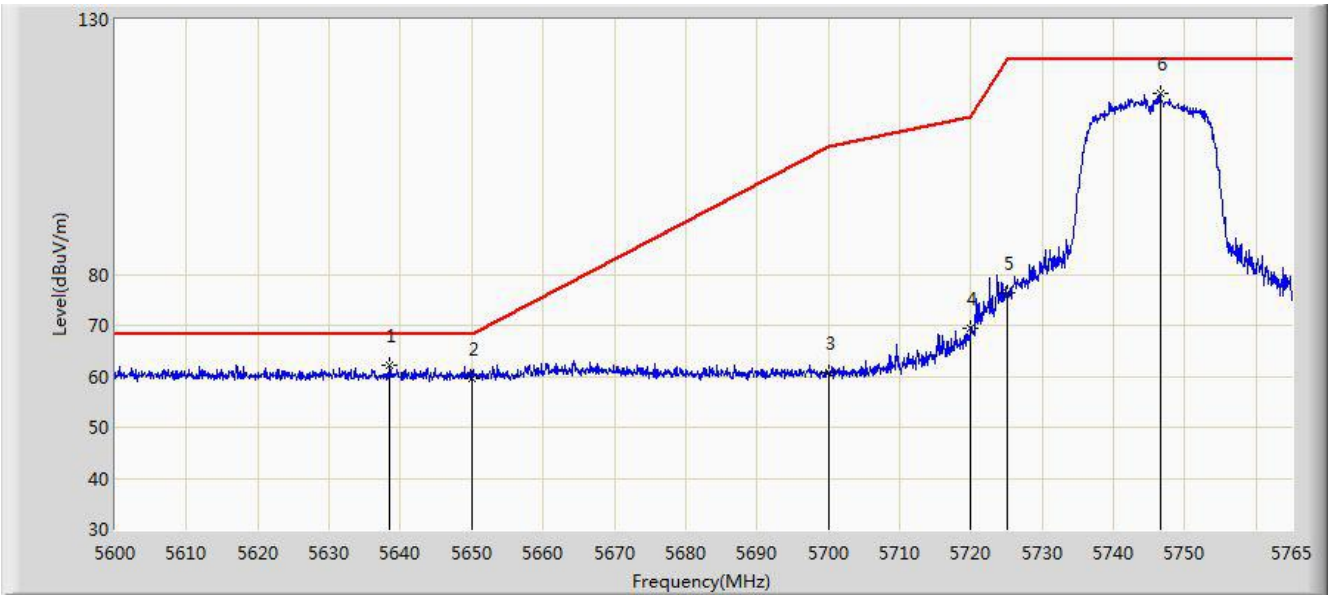


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.491	49.842	-1.509	54.000	2.649	AV
2		*	5177.905	105.739	103.185	N/A	N/A	2.554	AV

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

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

Site: NS-AC1	Time: 2020/11/03 - 22:39
Limit: FCC_Part 15_209 RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Horizontal
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz (CDD Mode)	

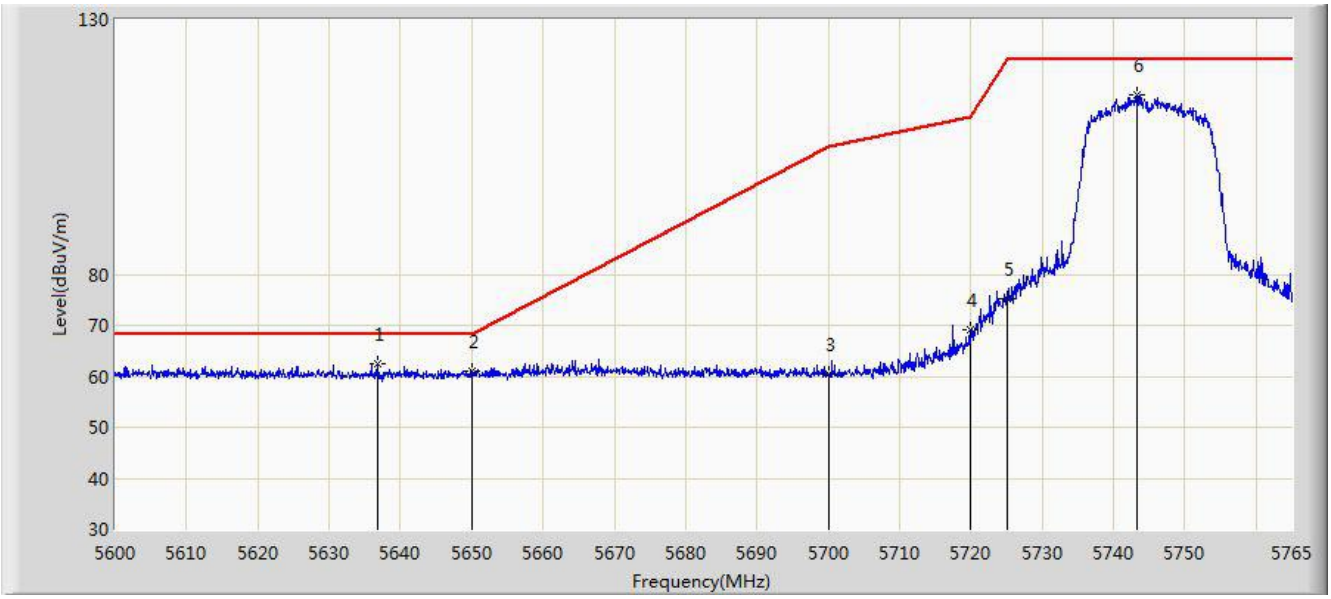


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.362	62.283	58.558	-5.917	68.200	3.725	PK
2			5650.000	59.547	55.777	-8.653	68.200	3.770	PK
3			5700.000	60.582	56.614	-44.618	105.200	3.968	PK
4			5720.000	69.468	65.654	-41.332	110.800	3.814	PK
5			5725.000	76.380	72.601	-45.820	122.200	3.779	PK
6			5746.603	115.532	111.620	N/A	N/A	3.913	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: NS-AC1	Time: 2020/11/03 - 22:41
Limit: FCC_Part 15.209_RE(3m)	Engineer: Sakura Chen
Probe: NS-AC1_BBHA9120D_2111	Polarity: Vertical
EUT: MESH AP Product	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5636.877	62.460	58.730	-5.740	68.200	3.729	PK
2			5650.000	60.989	57.219	-7.211	68.200	3.770	PK
3			5700.000	60.398	56.430	-44.802	105.200	3.968	PK
4			5720.000	69.056	65.242	-41.744	110.800	3.814	PK
5			5725.000	75.293	71.514	-46.907	122.200	3.779	PK
6			5743.303	115.152	111.280	N/A	N/A	3.871	PK

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

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