

802.11n-HT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



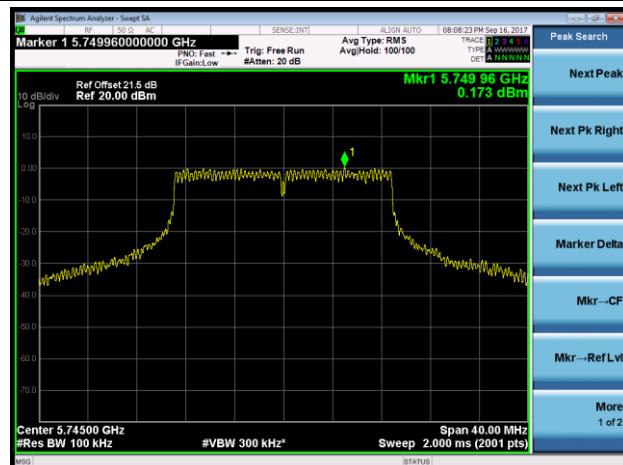
Channel 44 (5220MHz)



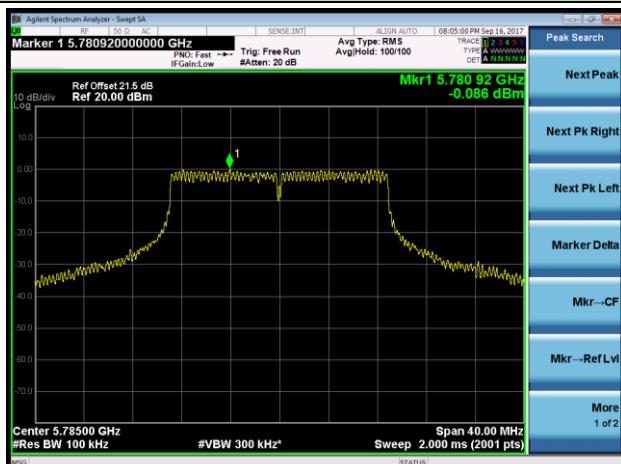
Channel 48 (5240MHz)



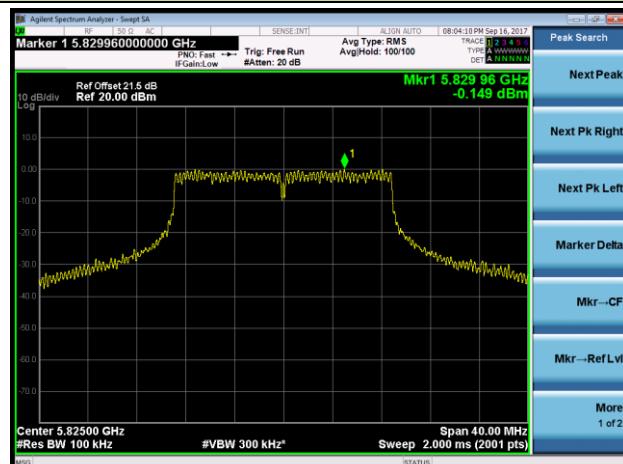
Channel 149 (5745MHz)



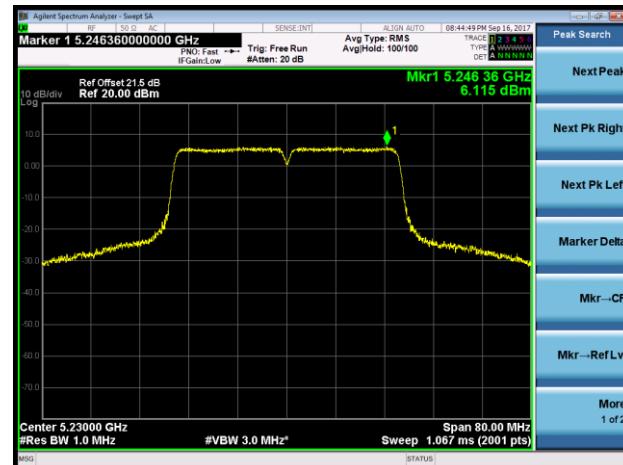
Channel 157 (5785MHz)



Channel 165 (5825MHz)



802.11n-HT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3
Channel 38 (5190MHz)

Channel 46 (5230MHz)

Channel 151 (5755MHz)

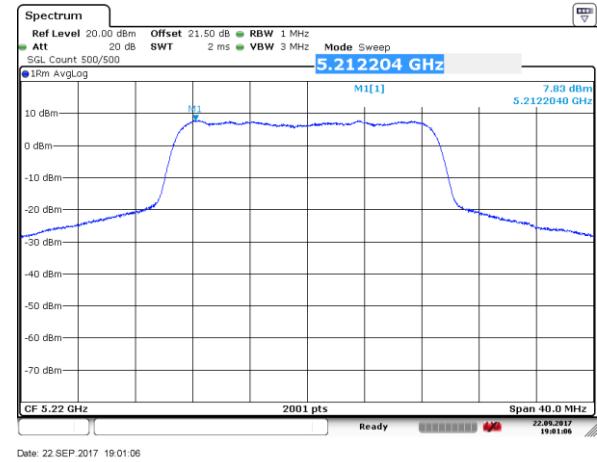
Channel 159 (5795MHz)


802.11ac-VHT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)



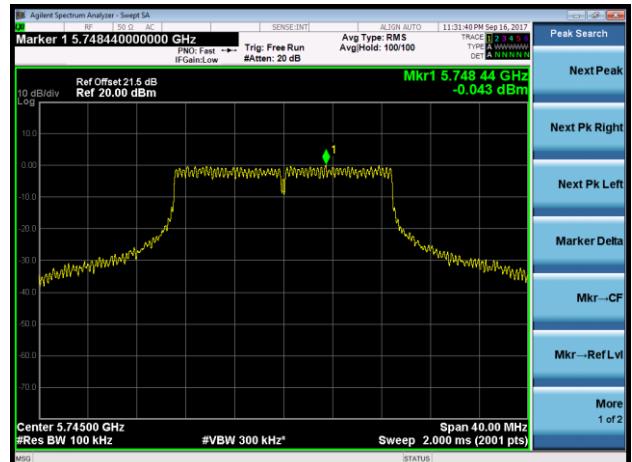
Channel 44 (5220MHz)



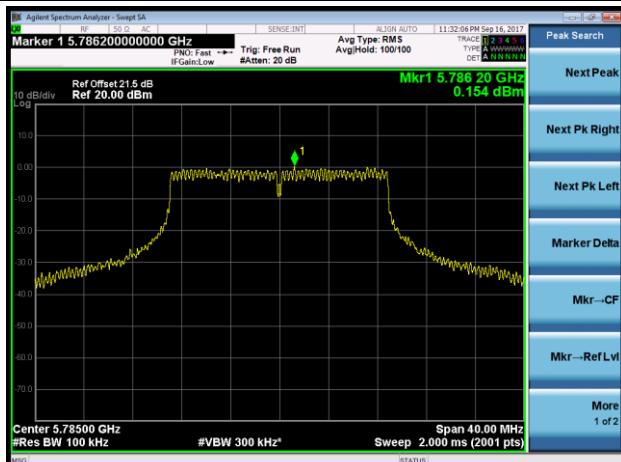
Channel 48 (5240MHz)



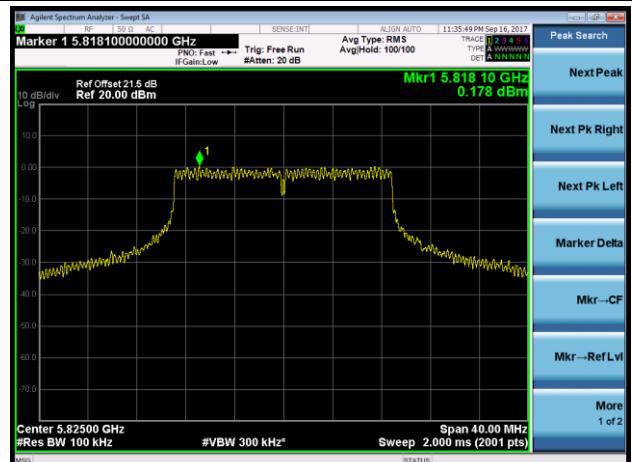
Channel 149 (5745MHz)



Channel 157 (5785MHz)

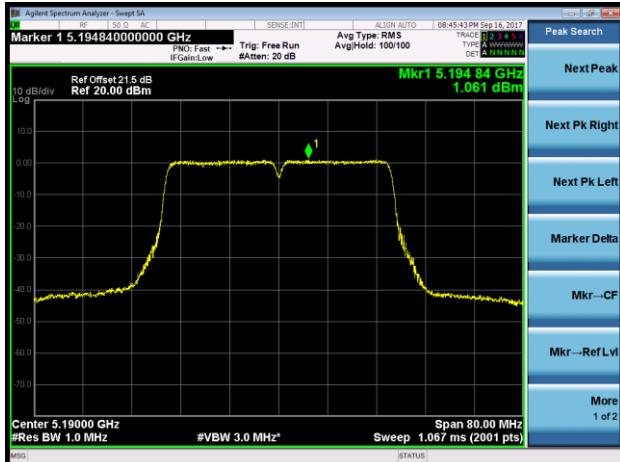


Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 38 (5190MHz)



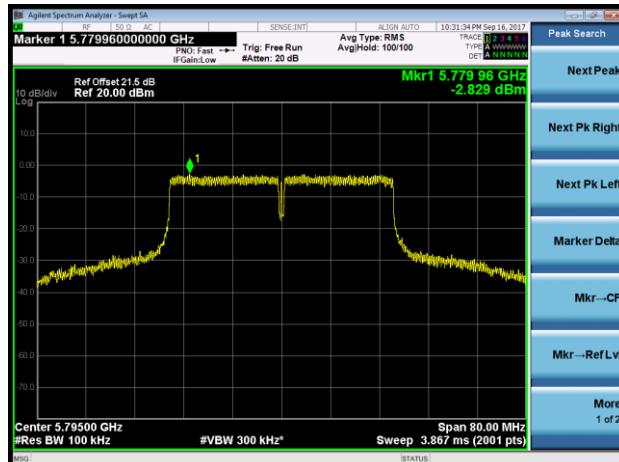
Channel 46 (5230MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)



802.11ac-VHT80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



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:

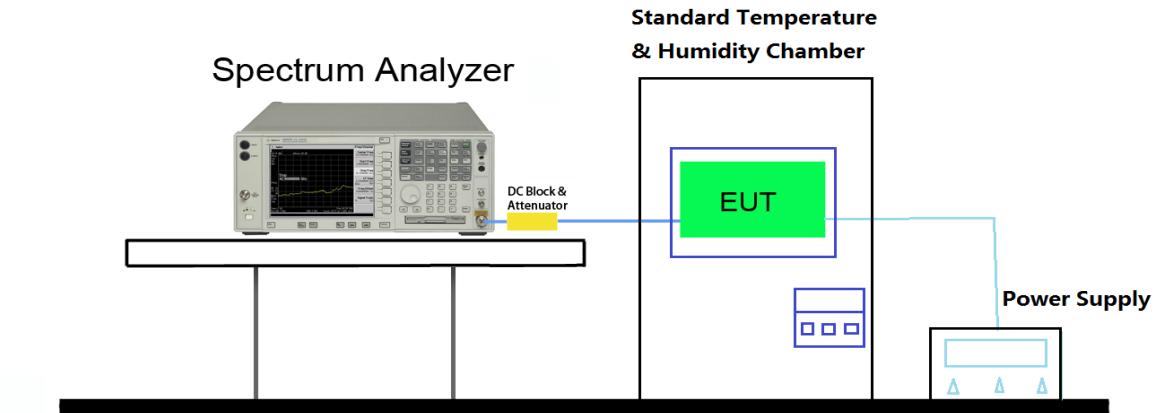
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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

Test Engineer	Roy Cheng	Temperature	-30 ~ 50°C
Test Time	2017/09/25	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	TR3

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-4.57	-5.16	-6.83	-7.79
		- 20	-5.75	-5.88	-7.03	-7.58
		- 10	-5.69	-7.10	-7.39	-8.04
		0	-6.75	-7.20	-8.73	-7.88
		+ 10	-7.48	-7.55	-9.31	-9.08
		+ 20 (Ref)	-7.81	-8.00	-9.34	-10.49
		+ 30	-8.48	-9.17	-9.84	-10.09
		+ 40	-8.51	-9.44	-10.22	-11.08
		+ 50	-8.90	-10.08	-10.29	-10.67
115%	138	+ 20	-8.43	-8.26	-10.82	-10.49
85%	102	+ 20	-6.62	-7.94	-9.41	-10.75

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 D02v01r04 – Section G

7.8.3. Test Setting

Quasi-Peak & Average Measurements below 30MHz

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 = 200Hz for 9kHz to 150kHz frequency; RBW = 9kHz for 0.15MHz to 30MHz frequency
4. Detector = CISPR quasi-peak or power average (Average)
5. Sweep time = auto couple
6. Trace was allowed to stabilize

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 = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Peak Measurements above 1GHz

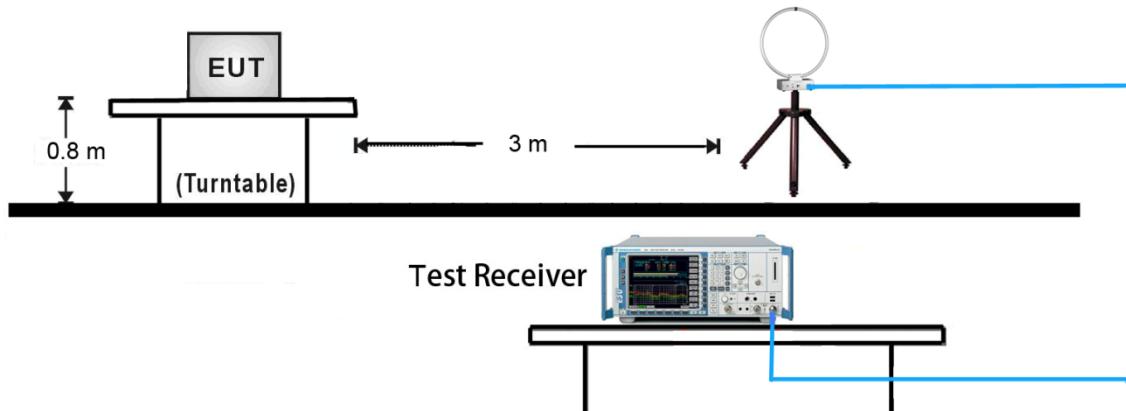
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

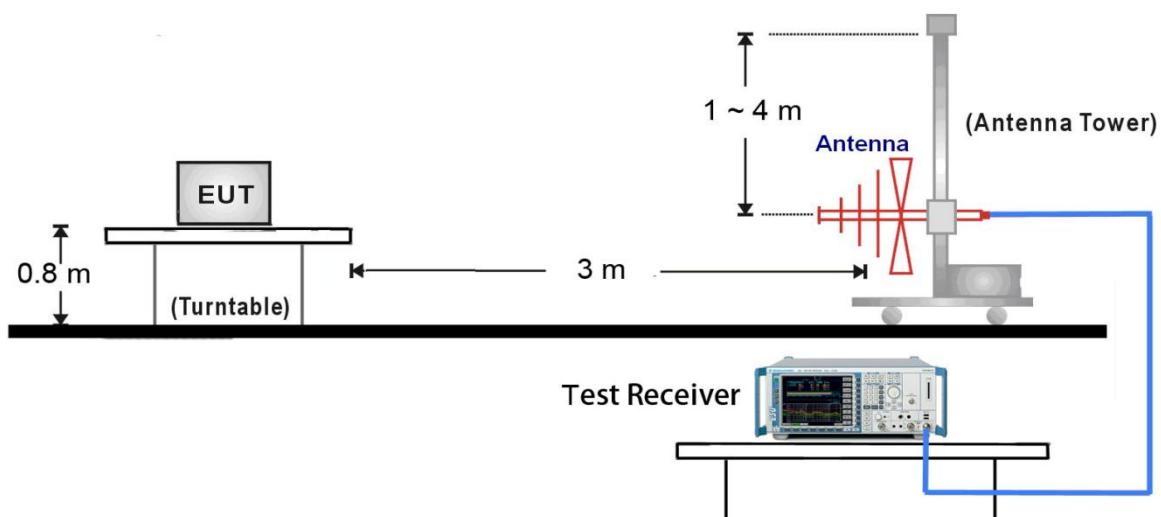
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

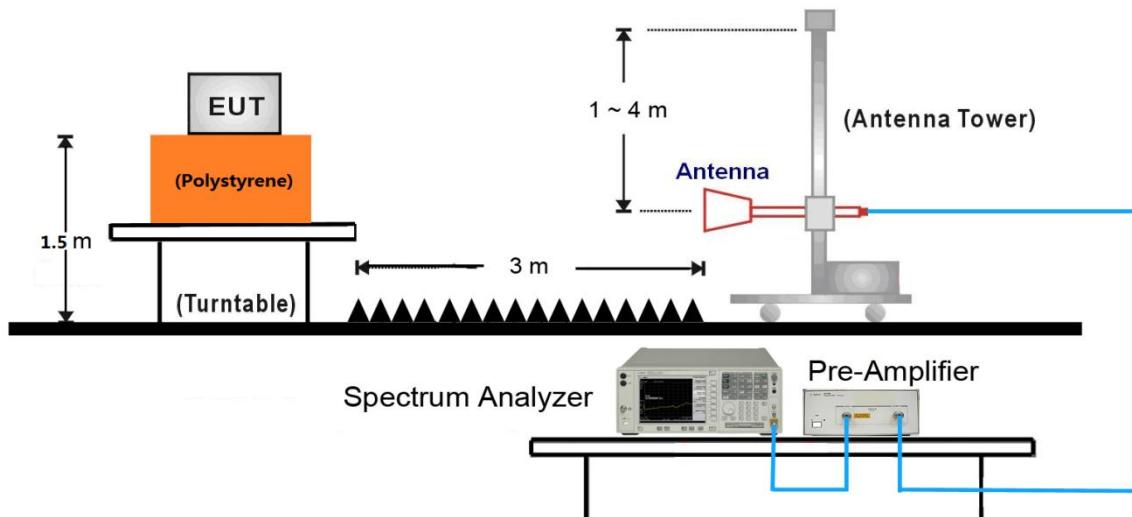
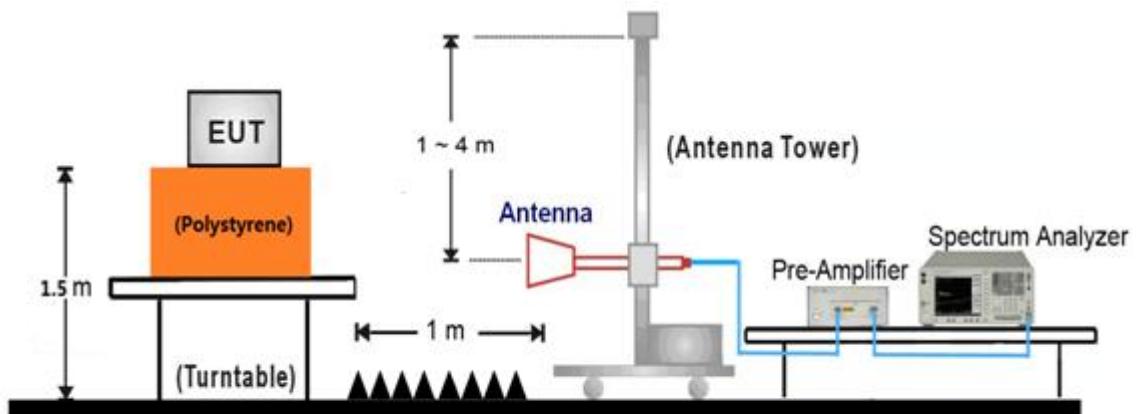
7.8.4. Test Setup

9kHz ~30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:

18GHz ~40GHz Test Setup:


7.8.5. Test Result

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7171.0	34.5	7.7	42.2	68.2	-26.0	Peak	Horizontal
	9151.5	36.3	9.8	46.1	74.0	-27.9	Peak	Horizontal
*	10367.0	37.7	12.2	49.9	68.2	-18.3	Peak	Horizontal
	15535.0	41.1	12.2	53.3	74.0	-20.7	Peak	Horizontal
*	7171.0	34.5	7.7	42.2	68.2	-26.0	Peak	Vertical
	7307.0	39.1	8.0	47.1	74.0	-26.9	Peak	Vertical
*	10350.0	39.5	12.2	51.7	68.2	-16.5	Peak	Vertical
	15535.0	41.3	12.2	53.5	74.0	-20.5	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7171.0	34.5	7.7	42.2	68.2	-26.0	Peak	Horizontal
	8029.5	35.1	8.7	43.8	74.0	-30.2	Peak	Horizontal
*	10443.5	42.2	12.0	54.2	68.2	-14.0	Peak	Horizontal
	15657.0	46.8	12.0	58.8	74.0	-15.2	Peak	Horizontal
	15657.0	32.9	12.0	44.9	54.0	-9.1	Average	Horizontal
*	7111.5	34.1	7.6	41.7	68.2	-26.5	Peak	Vertical
	7307.0	39.8	8.0	47.8	74.0	-26.2	Peak	Vertical
*	10443.5	43.1	12.0	55.1	68.2	-13.1	Peak	Vertical
	15654.0	44.4	12.0	56.4	74.0	-17.6	Peak	Vertical
	15654.0	31.8	12.0	43.8	54	-10.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7171.0	33.8	7.7	41.5	68.2	-26.7	Peak	Horizontal
	8165.5	33.9	8.4	42.3	74.0	-31.7	Peak	Horizontal
*	10477.5	39.5	12.2	51.7	68.2	-16.5	Peak	Horizontal
	15722.5	48.3	11.8	60.1	74.0	-13.9	Peak	Horizontal
	15722.5	33.5	11.8	45.3	54.0	-8.7	Average	Horizontal
*	7111.5	34.6	7.6	42.2	68.2	-26.0	Peak	Vertical
	7315.5	39.8	8.0	47.8	74.0	-26.2	Peak	Vertical
*	10477.5	42.5	12.2	54.7	68.2	-13.5	Peak	Vertical
	15722.7	45.6	11.8	57.4	74.0	-16.6	Peak	Vertical
	15722.7	30.3	11.8	42.1	54.0	-11.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	10375.5	34.1	12.2	46.3	68.2	-21.9	Peak	Horizontal
	11497.5	38.3	12.8	51.1	74.0	-22.9	Peak	Horizontal
*	16087.5	34.5	11.9	46.4	68.2	-21.8	Peak	Horizontal
	17226.5	42.7	16.0	58.7	74.0	-15.3	Peak	Horizontal
	17226.5	30.8	16.0	46.8	54.0	-7.2	Average	Horizontal
*	9636.0	34.4	11.0	45.4	68.2	-22.8	Peak	Vertical
	11490.3	41.0	12.8	53.8	74.0	-20.2	Peak	Vertical
	11490.3	28.0	12.8	40.8	54.0	-13.2	Average	Vertical
*	16087.5	35.5	11.9	47.4	68.2	-20.8	Peak	Vertical
	17243.5	42.5	16.0	58.5	74.0	-15.5	Peak	Vertical
	17243.5	29.1	16.0	45.1	54.0	-8.9	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9534.0	33.9	10.8	44.7	68.2	-23.5	Peak	Horizontal
	11574.0	38.6	12.6	51.2	74.0	-22.8	Peak	Horizontal
*	16062.0	35.5	11.8	47.3	68.2	-20.9	Peak	Horizontal
	17362.5	45.7	16.9	62.6	74.0	-11.4	Peak	Horizontal
	17362.5	31.5	16.9	48.4	54.0	-5.6	Average	Horizontal
*	9636.0	33.2	11.0	44.2	68.2	-24.0	Peak	Vertical
	11576.7	43.4	12.6	56.0	74.0	-18.0	Peak	Vertical
	11576.7	29.0	12.6	41.6	54.0	-12.4	Average	Vertical
*	16011.0	35.4	11.8	47.2	68.2	-21.0	Peak	Vertical
	17362.5	42.0	16.9	58.9	74.0	-15.1	Peak	Vertical
	17362.5	29.5	16.9	46.4	54.0	-7.6	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11a - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9814.5	32.4	11.6	44.0	68.2	-24.2	Peak	Horizontal
	11667.5	40.2	12.2	52.4	74.0	-21.6	Peak	Horizontal
*	16045.0	34.0	11.8	45.8	68.2	-22.4	Peak	Horizontal
	17473.0	43.0	17.2	60.2	74.0	-13.8	Peak	Horizontal
	17473.0	29.7	17.2	46.9	54.0	-7.1	Average	Horizontal
*	9746.5	34.0	11.3	45.3	68.2	-22.9	Peak	Vertical
	11662.4	46.3	12.3	58.6	74.0	-15.4	Peak	Vertical
	11662.4	29.5	12.2	41.7	54.0	-12.3	Average	Vertical
*	16070.5	34.3	11.8	46.1	68.2	-22.1	Peak	Vertical
	17481.5	42.7	17.3	60.0	74.0	-14.0	Peak	Vertical
	17481.5	29.5	17.3	46.8	54.0	-7.2	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7043.5	33.3	7.0	40.3	68.2	-27.9	Peak	Horizontal
	9457.5	34.3	10.5	44.8	74.0	-29.2	Peak	Horizontal
*	10358.5	38.2	12.2	50.4	68.2	-17.8	Peak	Horizontal
	11387.0	33.5	12.6	46.1	74.0	-27.9	Peak	Horizontal
*	7043.5	33.6	7.0	40.6	68.2	-27.6	Peak	Vertical
	7511.0	34.3	8.3	42.6	74.0	-31.4	Peak	Vertical
*	10367.0	38.2	12.2	50.4	68.2	-17.8	Peak	Vertical
	12075.5	33.6	12.0	45.6	74.0	-28.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7052.0	35.1	7.1	42.2	68.2	-26.0	Peak	Horizontal
	7562.0	34.9	8.2	43.1	74.0	-30.9	Peak	Horizontal
*	10435.0	38.9	12.0	50.9	68.2	-17.3	Peak	Horizontal
	15658.3	44.2	12.0	56.2	74.0	-17.8	Peak	Horizontal
	15658.3	32.1	12.0	44.1	54.0	-9.9	Average	Horizontal
*	7111.5	33.1	7.6	40.7	68.2	-27.5	Peak	Vertical
	7307.0	39.1	8.0	47.1	74.0	-26.9	Peak	Vertical
*	10435.0	42.0	12.0	54.0	68.2	-14.2	Peak	Vertical
	15658.2	44.2	12.0	56.2	74.0	-17.8	Peak	Vertical
	15658.2	33.4	12.0	45.4	54.0	-8.6	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7111.5	33.9	7.6	41.5	68.2	-26.7	Peak	Horizontal
	7579.0	34.6	8.2	42.8	74.0	-31.2	Peak	Horizontal
*	10477.5	39.5	12.2	51.7	68.2	-16.5	Peak	Horizontal
	15721.3	43.9	11.8	55.7	74.0	-18.3	Peak	Horizontal
	15721.3	30.3	11.8	42.1	54.0	-11.9	Average	Horizontal
*	7077.5	33.5	7.3	40.8	68.2	-27.4	Peak	Vertical
	7307.0	38.3	8.0	46.3	74.0	-27.7	Peak	Vertical
*	10477.5	41.4	12.2	53.6	68.2	-14.6	Peak	Vertical
	15722.6	45.8	11.8	57.6	74.0	-16.4	Peak	Vertical
	15722.6	33.8	11.8	45.6	54.0	-8.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9891.0	34.5	11.6	46.1	68.2	-22.1	Peak	Horizontal
	11489.0	38.0	12.8	50.8	74.0	-23.2	Peak	Horizontal
*	16070.5	35.7	11.8	47.5	68.2	-20.7	Peak	Horizontal
	17235.0	42.8	16.0	58.8	74.0	-15.2	Peak	Horizontal
	17235.0	29.6	16.0	45.6	54.0	-8.4	Average	Horizontal
*	9636.0	34.2	11.0	45.2	68.2	-23.0	Peak	Vertical
	11489.0	40.1	12.8	52.9	74.0	-21.1	Peak	Vertical
*	16087.5	34.1	11.9	46.0	68.2	-22.2	Peak	Vertical
	17235.0	40.5	16.0	56.5	74.0	-17.5	Peak	Vertical
	17235.0	27.3	16.0	43.3	54.0	-10.7	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9814.5	33.3	11.6	44.9	68.2	-23.3	Peak	Horizontal
	11565.5	37.4	12.7	50.1	74.0	-23.9	Peak	Horizontal
*	15985.5	34.5	11.7	46.2	68.2	-22.0	Peak	Horizontal
	17354.0	39.8	16.9	56.7	74.0	-17.3	Peak	Horizontal
	17354.0	27.5	16.9	44.4	54.0	-9.6	Average	Horizontal
*	10350.0	34.2	12.2	46.4	68.2	-21.8	Peak	Vertical
	11565.5	41.6	12.7	54.3	74.0	-19.7	Peak	Vertical
*	16028.0	34.3	11.8	46.1	68.2	-22.1	Peak	Vertical
	17345.5	40.0	16.8	56.8	74.0	-17.2	Peak	Vertical
	17345.5	27.4	16.8	44.2	54.0	-9.8	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT20 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9593.5	34.3	10.9	45.2	68.2	-23.0	Peak	Horizontal
	11659.0	37.7	12.3	50.0	74.0	-24.0	Peak	Horizontal
*	16045.0	34.3	11.8	46.1	68.2	-22.1	Peak	Horizontal
	17481.5	43.6	17.3	60.9	74.0	-13.1	Peak	Horizontal
	17481.5	30.5	17.3	47.8	54.0	-6.2	Average	Horizontal
*	9602.0	34.5	10.9	45.4	68.2	-22.8	Peak	Vertical
	11650.5	41.9	12.3	54.2	74.0	-19.8	Peak	Vertical
	11649.8	29.3	12.3	41.6	54.0	-12.4	Average	Vertical
*	15917.5	34.5	11.7	46.2	68.2	-22.0	Peak	Vertical
	17473.0	41.3	17.2	58.5	74.0	-15.5	Peak	Vertical
	17473.0	28.7	17.2	45.9	54.0	-8.1	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7145.5	35.0	7.7	42.7	68.2	-25.5	Peak	Horizontal
	7315.5	35.8	8.0	43.8	74.0	-30.2	Peak	Horizontal
*	10486.0	34.5	12.3	46.8	68.2	-21.4	Peak	Horizontal
	15756.0	36.7	11.7	48.4	74.0	-25.6	Peak	Horizontal
*	7128.5	33.9	7.7	41.6	68.2	-26.6	Peak	Vertical
	7307.0	38.2	8.0	46.2	74.0	-27.8	Peak	Vertical
*	10367.0	35.2	12.2	47.4	68.2	-20.8	Peak	Vertical
	15841.0	35.9	11.7	47.6	74.0	-26.4	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7188.0	34.8	7.8	42.6	68.2	-25.6	Peak	Horizontal
	7315.5	36.6	8.0	44.6	74.0	-29.4	Peak	Horizontal
*	10460.5	36.9	12.1	49.0	68.2	-19.2	Peak	Horizontal
	15679.5	43.0	11.9	54.9	74.0	-19.1	Peak	Horizontal
	15679.5	29.4	11.9	41.3	54.0	-12.7	Average	Horizontal
*	7145.5	32.7	7.7	40.4	68.2	-27.8	Peak	Vertical
	7307.0	40.0	8.0	48.0	74.0	-26.0	Peak	Vertical
*	10443.5	40.0	12.0	52.0	68.2	-16.2	Peak	Vertical
	15688.9	42.6	11.9	54.5	74.0	-19.5	Peak	Vertical
	15688.9	32.9	11.9	44.8	54.0	-9.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7094.5	34.9	7.4	42.3	68.2	-25.9	Peak	Horizontal
	11497.5	35.8	12.8	48.6	74.0	-25.4	Peak	Horizontal
*	16130.0	35.1	12.0	47.1	68.2	-21.1	Peak	Horizontal
	17277.5	41.6	16.2	57.8	74.0	-16.2	Peak	Horizontal
	17277.5	28.6	16.2	44.8	54.0	-9.2	Average	Horizontal
*	7026.5	37.3	6.9	44.2	68.2	-24.0	Peak	Vertical
	11497.5	37.5	12.8	50.3	74.0	-23.7	Peak	Vertical
*	15917.5	34.8	11.7	46.5	68.2	-21.7	Peak	Vertical
	17269.0	39.4	16.1	55.5	74.0	-18.5	Peak	Vertical
	17269.0	26.5	16.1	42.6	54.0	-11.4	Average	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11n-HT40 - Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7171.0	34.1	7.7	41.8	68.2	-26.4	Peak	Horizontal
	11582.5	36.4	12.6	49.0	74.0	-25.0	Peak	Horizontal
*	15790.0	35.6	11.6	47.2	68.2	-21.0	Peak	Horizontal
	17396.5	41.2	17.1	58.3	74.0	-15.7	Peak	Horizontal
	17396.5	27.4	17.1	44.5	54.0	-9.5	Average	Horizontal
*	7111.5	34.1	7.6	41.7	68.2	-26.5	Peak	Vertical
	11591.0	39.1	12.6	51.7	74.0	-22.3	Peak	Vertical
*	15917.5	34.5	11.7	46.2	68.2	-22.0	Peak	Vertical
	17371.0	39.8	17.0	56.8	74.0	-17.2	Peak	Vertical
	17371.0	27.5	17.0	44.5	54.0	-9.5	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7094.5	34.8	7.4	42.2	68.2	-26.0	Peak	Horizontal
	7596.0	34.9	8.1	43.0	74.0	-31.0	Peak	Horizontal
*	10358.5	36.4	12.2	48.6	68.2	-19.6	Peak	Horizontal
	15484.0	36.1	12.3	48.4	74.0	-25.6	Peak	Horizontal
*	10350.0	39.2	12.2	51.4	68.2	-16.8	Peak	Vertical
	11149.0	35.5	12.6	48.1	74.0	-25.9	Peak	Vertical
*	15093.0	34.6	14.3	48.9	68.2	-19.3	Peak	Vertical
	15543.5	38.6	12.2	50.8	74.0	-23.2	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7188.0	34.8	7.8	42.6	68.2	-25.6	Peak	Horizontal
	7621.5	34.7	8.1	42.8	74.0	-31.2	Peak	Horizontal
*	10435.0	38.9	12.0	50.9	68.2	-17.3	Peak	Horizontal
	15667.0	43.3	12.0	55.3	74.0	-18.7	Peak	Horizontal
	15667.0	31.2	12.0	43.2	54.0	-10.8	Average	Horizontal
*	7052.0	34.4	7.1	41.5	68.2	-26.7	Peak	Vertical
	7307.0	37.1	8.0	45.1	74.0	-28.9	Peak	Vertical
*	10435.0	41.9	12.0	53.9	68.2	-14.3	Peak	Vertical
	15666.3	42.8	12.0	54.8	74.0	-19.2	Peak	Vertical
	15666.3	29.3	12.0	41.3	54.0	-12.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7077.5	34.1	7.3	41.4	68.2	-26.8	Peak	Horizontal
	7315.5	35.3	8.0	43.3	74.0	-30.7	Peak	Horizontal
*	10477.5	39.6	12.2	51.8	68.2	-16.4	Peak	Horizontal
	15718.1	44.0	11.8	55.8	74.0	-18.2	Peak	Horizontal
	15718.1	32.4	11.8	44.2	54.0	-9.8	Average	Horizontal
*	7111.5	34.6	7.6	42.2	68.2	-26.0	Peak	Vertical
	7307.0	38.5	8.0	46.5	74.0	-27.5	Peak	Vertical
*	10477.5	42.3	12.2	54.5	68.2	-13.7	Peak	Vertical
	15717.1	43.9	11.8	55.7	74.0	-18.3	Peak	Vertical
	15717.1	31.3	11.8	43.1	54.0	-10.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9695.5	34.7	10.9	45.6	68.2	-22.6	Peak	Horizontal
	11489.0	37.6	12.8	50.4	74.0	-23.6	Peak	Horizontal
*	15866.5	34.9	11.7	46.6	68.2	-21.6	Peak	Horizontal
	17235.0	41.1	16.0	57.1	74.0	-16.9	Peak	Horizontal
	17235.0	26.8	16.0	42.8	54.0	-11.2	Average	Horizontal
*	7128.5	35.0	7.7	42.7	68.2	-25.5	Peak	Vertical
	7307.0	36.9	8.0	44.9	74.0	-29.1	Peak	Vertical
*	10052.5	33.7	11.5	45.2	68.2	-23.0	Peak	Vertical
	11480.5	36.9	12.7	49.6	74.0	-24.4	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9585.0	34.4	10.9	45.3	68.2	-22.9	Peak	Horizontal
	11582.5	37.1	12.6	49.7	74.0	-24.3	Peak	Horizontal
*	15628.5	34.0	12.1	46.1	68.2	-22.1	Peak	Horizontal
	17345.5	41.5	16.8	58.3	74.0	-15.7	Peak	Horizontal
	17345.5	28.5	16.8	45.3	54.0	-8.7	Average	Horizontal
*	7086.0	34.7	7.3	42.0	68.2	-26.2	Peak	Vertical
	7307.0	38.9	8.0	46.9	74.0	-27.1	Peak	Vertical
*	10333.0	33.5	12.2	45.7	68.2	-22.5	Peak	Vertical
	11574.0	39.6	12.6	52.2	74.0	-21.8	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT20 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9644.5	34.2	11.0	45.2	68.2	-23.0	Peak	Horizontal
	11642.0	37.0	12.4	49.4	74.0	-24.6	Peak	Horizontal
*	15798.5	34.6	11.7	46.3	68.2	-21.9	Peak	Horizontal
	17481.5	40.1	17.3	57.4	74.0	-16.6	Peak	Horizontal
	17481.5	26.8	17.3	44.1	54.0	-9.9	Average	Horizontal
*	9746.5	32.7	11.3	44.0	68.2	-24.2	Peak	Vertical
	11642.0	39.3	12.4	51.7	74.0	-22.3	Peak	Vertical
*	15866.5	34.6	11.7	46.3	68.2	-21.9	Peak	Vertical
	17473.0	37.9	17.2	55.1	74.0	-18.9	Peak	Vertical
	17473.0	23.7	17.2	40.9	54.0	-13.1	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT40 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7987.0	34.6	8.7	43.3	68.2	-24.9	Peak	Horizontal
	9423.5	32.9	10.6	43.5	74.0	-30.5	Peak	Horizontal
*	10392.5	35.1	12.3	47.4	68.2	-20.8	Peak	Horizontal
	11684.5	34.7	12.1	46.8	74.0	-27.2	Peak	Horizontal
*	7120.0	35.1	7.6	42.7	68.2	-25.5	Peak	Vertical
	7315.5	38.7	8.0	46.7	74.0	-27.3	Peak	Vertical
*	10375.5	36.1	12.2	48.3	68.2	-19.9	Peak	Vertical
	10970.5	34.2	13.1	47.3	74.0	-26.7	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT40 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	10460.5	38.2	12.1	50.3	68.2	-17.9	Peak	Horizontal
	11166.0	33.8	12.6	46.4	74.0	-27.6	Peak	Horizontal
*	14294.0	34.3	15.5	49.8	68.2	-18.4	Peak	Horizontal
	15688.0	42.3	11.9	54.2	74.0	-19.8	Peak	Horizontal
	15689.3	29.1	11.9	41.0	54.0	-13.0	Average	Horizontal
*	7213.5	34.3	7.8	42.1	68.2	-26.1	Peak	Vertical
	7307.0	38.6	8.0	46.6	74.0	-27.4	Peak	Vertical
*	10460.5	39.5	12.1	51.6	68.2	-16.6	Peak	Vertical
	15679.5	40.1	11.9	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT40 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9797.5	33.7	11.5	45.2	68.2	-23.0	Peak	Horizontal
	11506.0	35.7	12.8	48.5	74.0	-25.5	Peak	Horizontal
*	15968.5	33.9	11.7	45.6	68.2	-22.6	Peak	Horizontal
	17260.5	41.6	16.1	57.7	74.0	-16.3	Peak	Horizontal
	17260.5	27.1	16.1	43.2	54.0	-10.8	Average	Horizontal
*	10503.0	33.7	12.4	46.1	68.2	-22.1	Peak	Vertical
	11506.0	38.4	12.8	51.2	74.0	-22.8	Peak	Vertical
*	15824.0	33.9	11.7	45.6	68.2	-22.6	Peak	Vertical
	17269.0	39.2	16.1	55.3	74.0	-18.7	Peak	Vertical
	17269.0	25.6	16.1	41.7	54.0	-12.3	Average	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT40 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	9967.5	34.4	11.4	45.8	68.2	-22.4	Peak	Horizontal
	11599.5	36.6	12.6	49.2	74.0	-24.8	Peak	Horizontal
*	15773.0	36.2	11.7	47.9	68.2	-20.3	Peak	Horizontal
	17379.5	37.8	17.0	54.8	74.0	-19.2	Peak	Horizontal
	17379.5	23.7	17.0	40.7	54.0	-13.3	Average	Horizontal
*	7111.5	33.7	7.6	41.3	68.2	-26.9	Peak	Vertical
	7315.5	39.3	8.0	47.3	74.0	-26.7	Peak	Vertical
*	10367.0	33.7	12.2	45.9	68.2	-22.3	Peak	Vertical
	11591.0	39.2	12.6	51.8	74.0	-22.2	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT80 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	7137.0	32.8	7.7	40.5	68.2	-27.7	Peak	Horizontal
	7579.0	35.5	8.2	43.7	74.0	-30.3	Peak	Horizontal
*	10282.0	33.0	12.0	45.0	68.2	-23.2	Peak	Horizontal
	11276.5	34.6	12.4	47.0	74.0	-27.0	Peak	Horizontal
*	8777.5	33.4	8.9	42.3	68.2	-25.9	Peak	Vertical
	9253.5	31.7	10.2	41.9	74.0	-32.1	Peak	Vertical
*	10418.0	35.2	12.2	47.4	68.2	-20.8	Peak	Vertical
	11642.0	33.8	12.4	46.2	74.0	-27.8	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 dB μ V/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 (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

Product	804Mesh Dual Wi-Fi	Temperature	26°C
Test Engineer	Will Yan	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/09/23
Test Mode:	802.11ac-VHT80 – Ant 0 + 1 + 2 + 3	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 (dB μ V)	Factor (dB)	Measure Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Polarization
*	10035.5	33.3	11.5	44.8	68.2	-23.4	Peak	Horizontal
	11557.0	34.9	12.7	47.6	74.0	-26.4	Peak	Horizontal
*	16062.0	35.3	11.8	47.1	68.2	-21.1	Peak	Horizontal
	17311.5	38.8	16.6	55.4	74.0	-18.6	Peak	Horizontal
	17311.5	26.4	16.6	43.0	54.0	-11.0	Average	Horizontal
*	7859.5	32.9	8.4	41.3	68.2	-26.9	Peak	Vertical
	8080.5	34.4	8.7	43.1	74.0	-30.9	Peak	Vertical
*	10452.0	33.7	12.0	45.7	68.2	-22.5	Peak	Vertical
	11557.0	37.3	12.7	50.0	74.0	-24.0	Peak	Vertical

Note 1: “**” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/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.

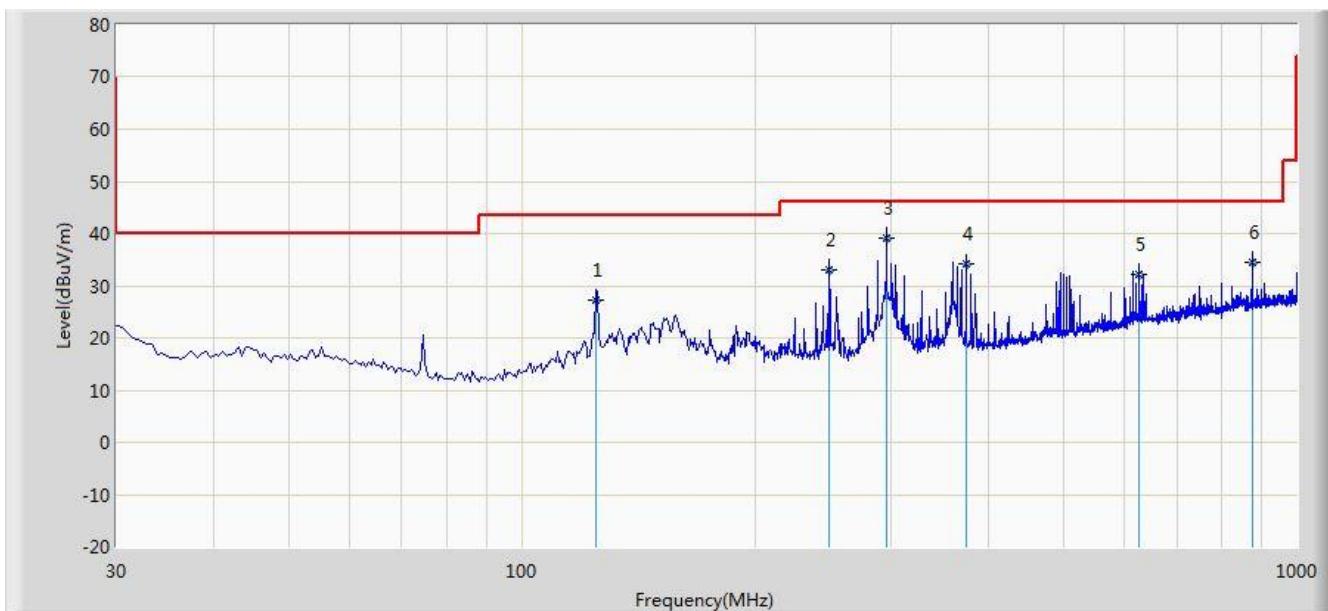
Note 2: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/09/26 - 22:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: VULB 9168_20-2000MHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz

Note: There is the worst case within frequency range 30MHz~1GHz.



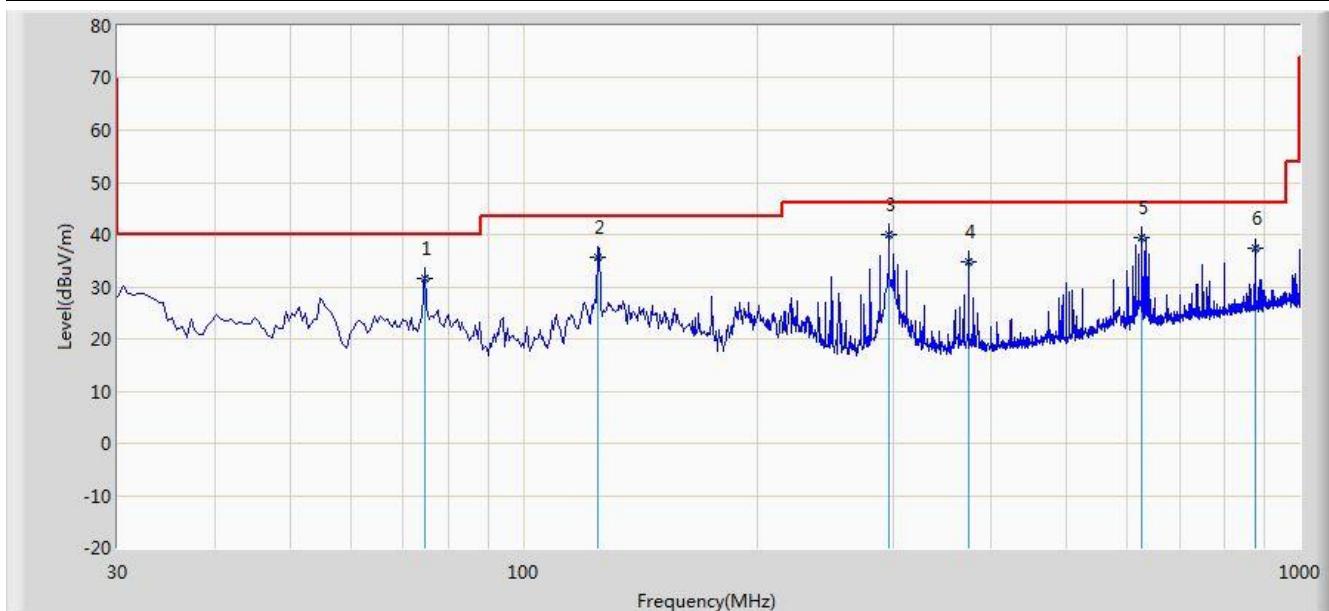
No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			124.575	27.198	13.776	-16.302	43.500	13.422	QP
2			249.705	33.107	20.186	-12.893	46.000	12.921	QP
3			295.780	39.213	25.019	-6.787	46.000	14.194	QP
4			374.835	34.059	18.059	-11.941	46.000	16.000	QP
5			625.095	32.243	11.217	-13.757	46.000	21.026	QP
6			875.355	34.414	10.404	-11.586	46.000	24.010	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Site: AC1	Time: 2017/09/26 - 22:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Alex Ma
Probe: VULB 9168_20-2000MHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Note: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Margin (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			74.620	31.486	20.682	-8.514	40.000	10.804	QP
2			124.575	35.747	22.325	-7.753	43.500	13.422	QP
3			295.780	40.002	25.808	-5.998	46.000	14.194	QP
4			374.835	34.722	18.722	-11.278	46.000	16.000	QP
5			625.095	39.338	18.312	-6.662	46.000	21.026	QP
6			875.355	37.259	13.249	-8.741	46.000	24.010	QP

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

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

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear 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	8.25 - 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 5.725-5.85 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 D02v01r04 G2)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

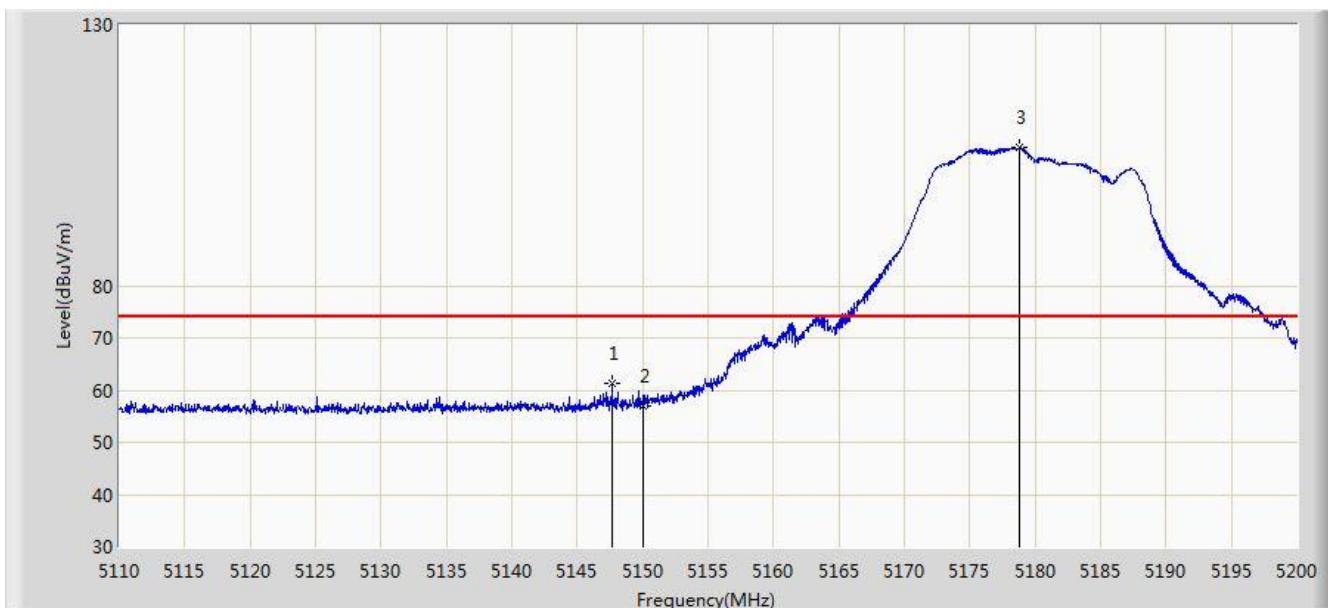
both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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 Result

Site: AC1	Time: 2017/09/13 - 19:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5147.665	61.229	58.154	-12.771	74.000	3.075	PK
2			5150.000	56.989	53.919	-17.011	74.000	3.069	PK
3		*	5178.805	106.430	103.392	N/A	N/A	3.038	PK

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

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

Site: AC1	Time: 2017/09/13 - 19:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1 + 2 + 3	

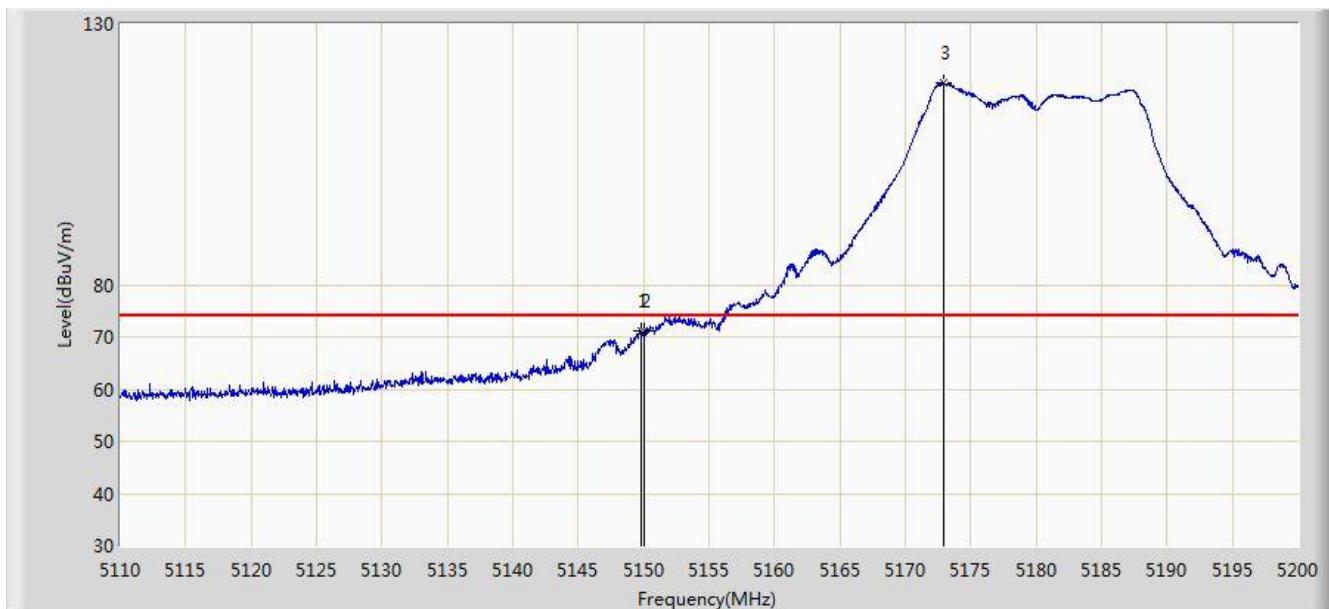


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.285	42.215	-8.715	54.000	3.069	AV
2		*	5178.400	92.617	89.580	N/A	N/A	3.037	AV

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

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

Site: AC1	Time: 2017/09/13 - 19:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1 + 2 + 3	

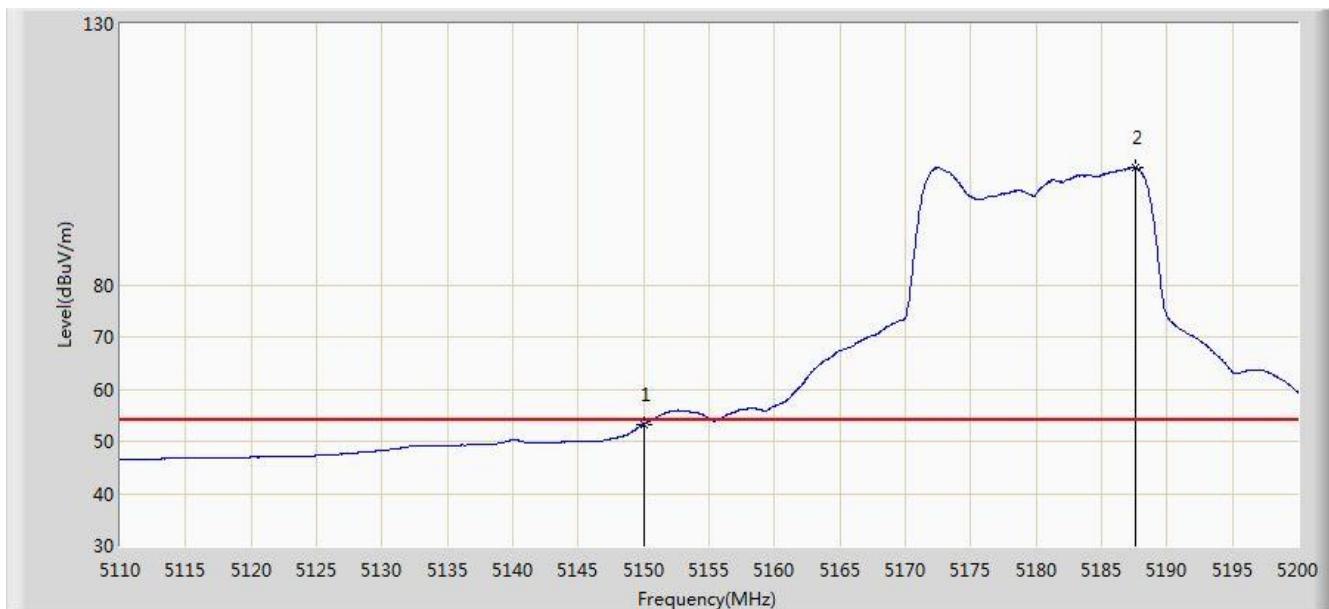


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5149.780	71.049	67.979	-2.951	74.000	3.070	PK
2			5150.000	71.157	68.087	-2.843	74.000	3.069	PK
3	*		5172.955	118.571	115.556	N/A	N/A	3.015	PK

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

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

Site: AC1	Time: 2017/09/13 - 19:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5180MHz Ant 0 + 1 + 2 + 3	

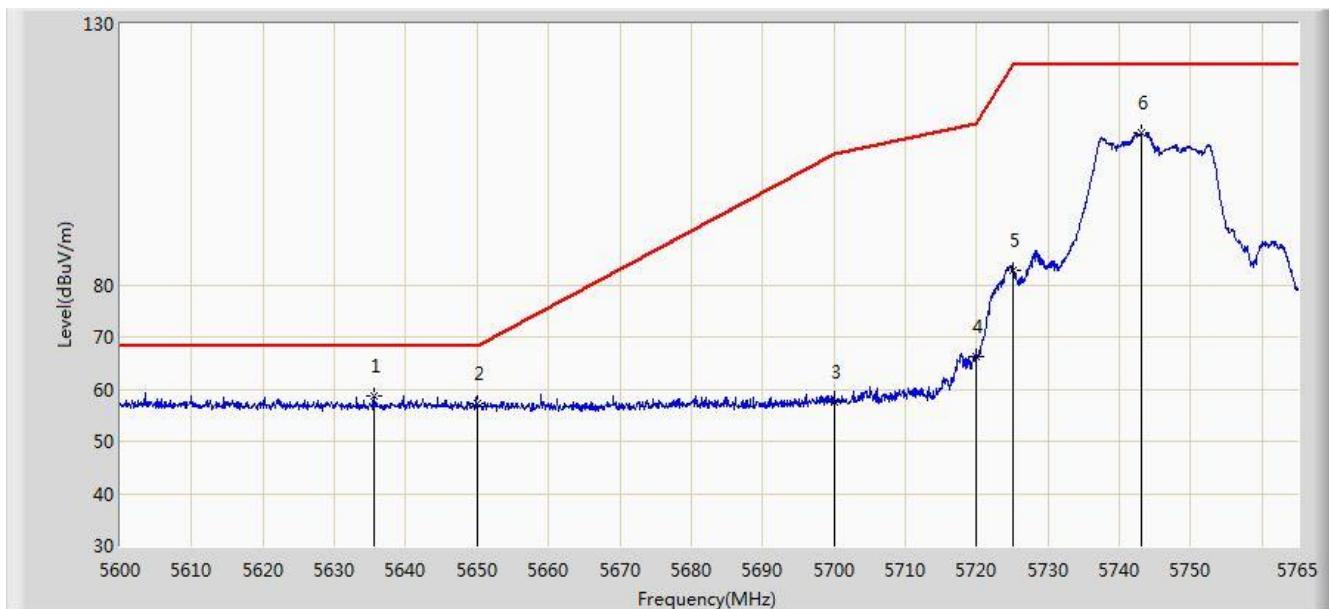


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	53.292	50.222	-0.708	54.000	3.069	AV
2		*	5187.580	102.556	99.574	N/A	N/A	2.981	AV

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

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

Site: AC1	Time: 2017/09/13 - 20:34
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz Ant 0 + 1 + 2 + 3	

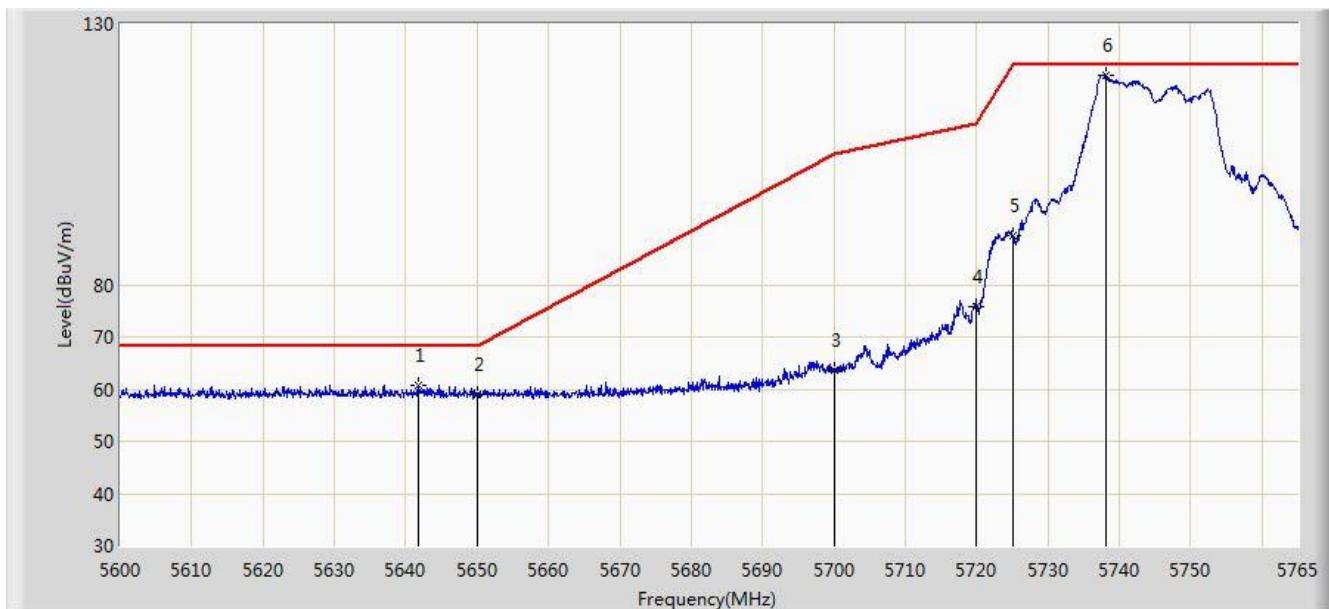


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V/m)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*	5635.475	58.689	54.959	-9.511	68.200	3.730	PK	
2		5650.000	57.307	53.504	-10.893	68.200	3.803	PK	
3		5700.000	57.582	53.642	-47.618	105.200	3.940	PK	
4		5720.000	66.191	62.209	-44.609	110.800	3.982	PK	
5		5725.000	82.885	78.779	-39.315	122.200	4.105	PK	
6		5743.138	109.065	104.795	N/A	N/A	4.270	PK	

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

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

Site: AC1	Time: 2017/09/13 - 20:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5745MHz Ant 0 + 1 + 2 + 3	

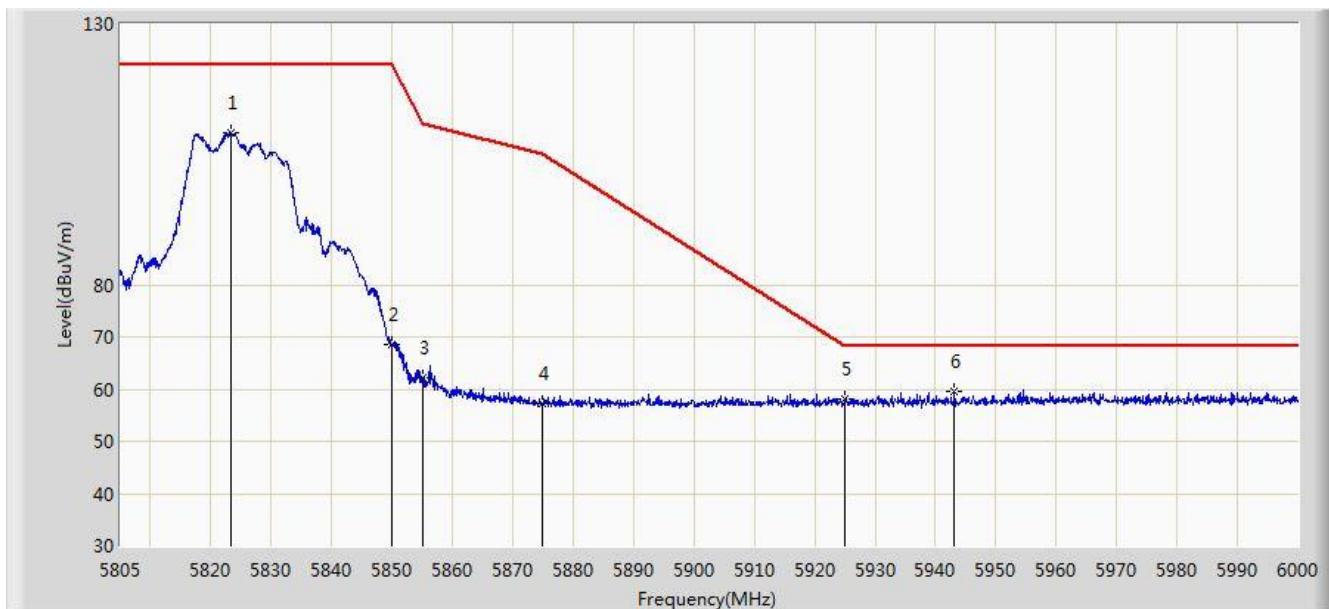


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5641.745	60.677	56.816	-7.523	68.200	3.861	PK
2			5650.000	59.012	55.209	-9.188	68.200	3.803	PK
3			5700.000	63.714	59.774	-41.486	105.200	3.940	PK
4			5720.000	75.840	71.858	-34.960	110.800	3.982	PK
5			5725.000	89.553	85.447	-32.647	122.200	4.105	PK
6	*		5738.022	120.063	115.780	N/A	N/A	4.283	PK

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

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

Site: AC1	Time: 2017/09/13 - 20:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz Ant 0 + 1 + 2 + 3	

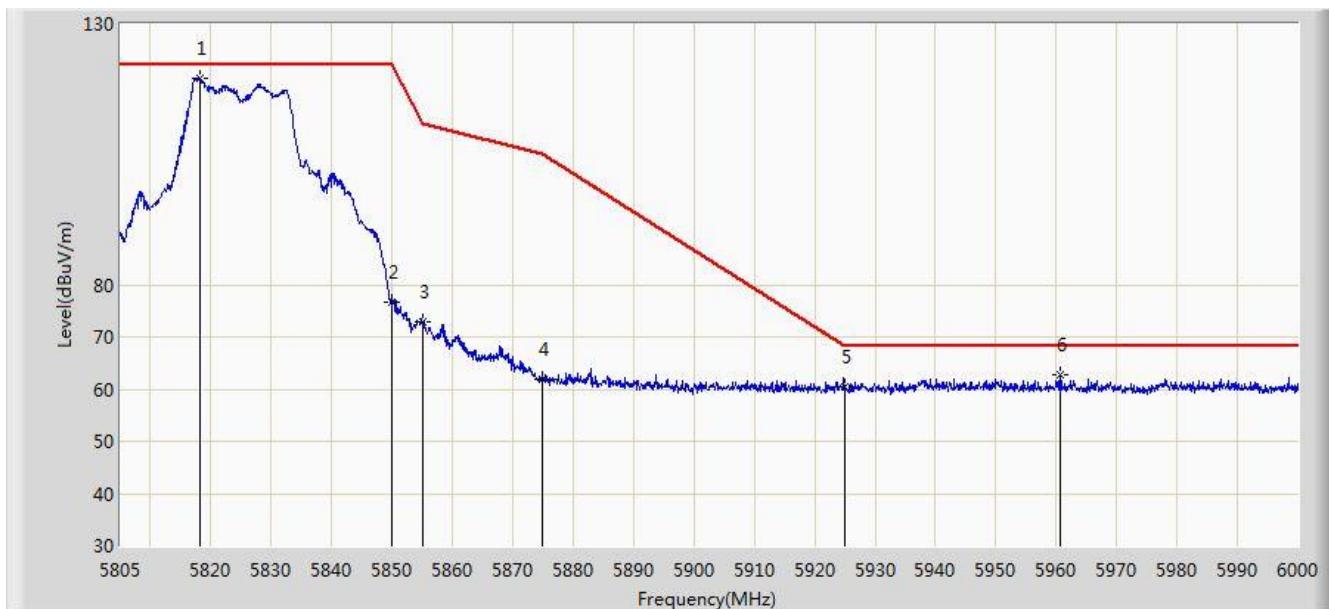


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5823.330	109.165	104.452	N/A	N/A	4.712	PK
2			5850.000	68.537	63.542	-53.663	122.200	4.995	PK
3			5855.000	62.274	57.286	-48.526	110.800	4.987	PK
4			5875.000	57.251	52.244	-47.949	105.200	5.008	PK
5			5925.000	57.997	52.845	-10.203	68.200	5.152	PK
6	*		5943.158	59.544	54.376	-8.656	68.200	5.167	PK

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

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

Site: AC1	Time: 2017/09/13 - 20:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at channel 5825MHz Ant 0 + 1 + 2 + 3	

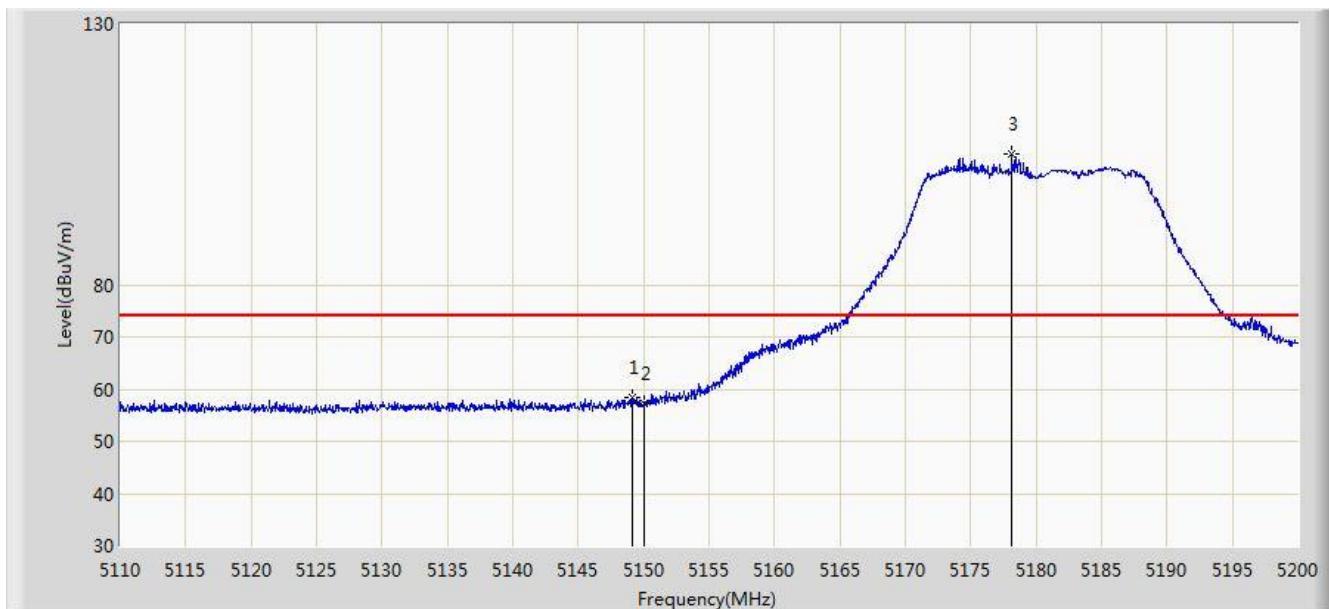


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5818.163	119.692	115.031	N/A	N/A	4.661	PK
2			5850.000	76.566	71.571	-45.634	122.200	4.995	PK
3			5855.000	73.016	68.028	-37.784	110.800	4.987	PK
4			5875.000	61.905	56.898	-43.295	105.200	5.008	PK
5			5925.000	60.337	55.185	-7.863	68.200	5.152	PK
6			5960.610	62.638	57.271	-5.562	68.200	5.368	PK

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

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

Site: AC1	Time: 2017/09/13 - 21:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

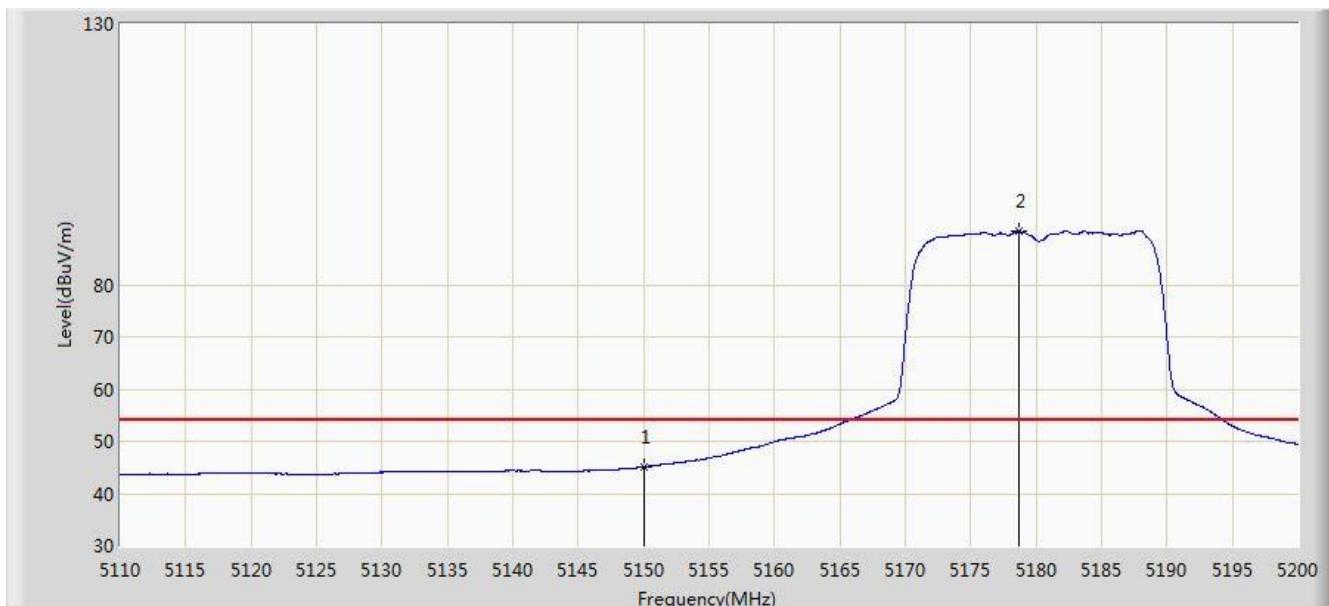


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.150	58.494	55.422	-15.506	74.000	3.072	PK
2			5150.000	57.308	54.238	-16.692	74.000	3.069	PK
3	*		5178.130	105.199	102.163	N/A	N/A	3.037	PK

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

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

Site: AC1	Time: 2017/09/13 - 21:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

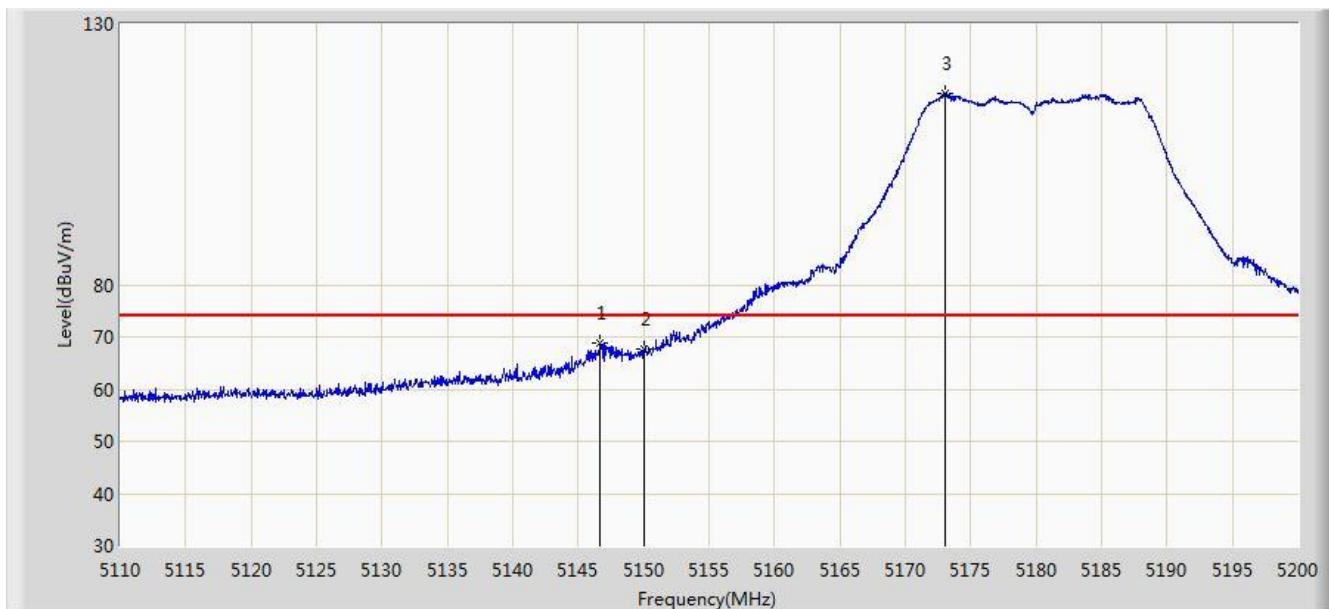


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	45.082	42.012	-8.918	54.000	3.069	AV
2		*	5178.670	90.196	87.158	N/A	N/A	3.038	AV

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

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

Site: AC1	Time: 2017/09/13 - 20:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

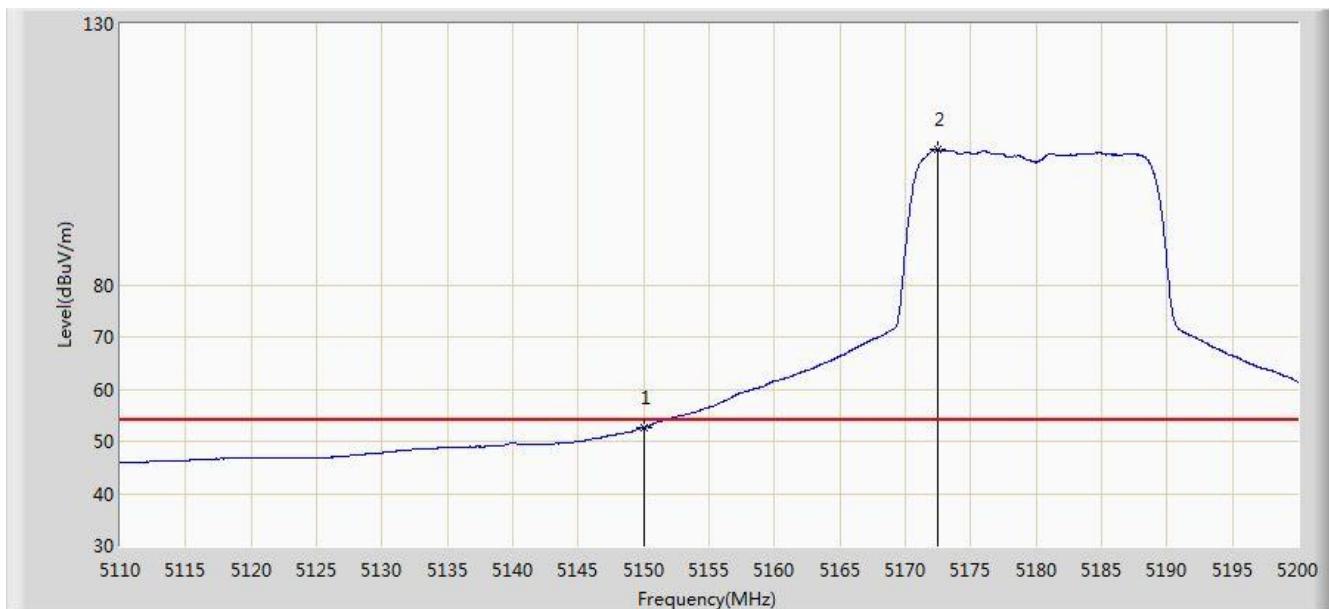


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5146.675	68.964	65.886	-5.036	74.000	3.078	PK
2			5150.000	67.641	64.571	-6.359	74.000	3.069	PK
3	*		5173.090	116.633	113.617	N/A	N/A	3.016	PK

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: 2017/09/13 - 20:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

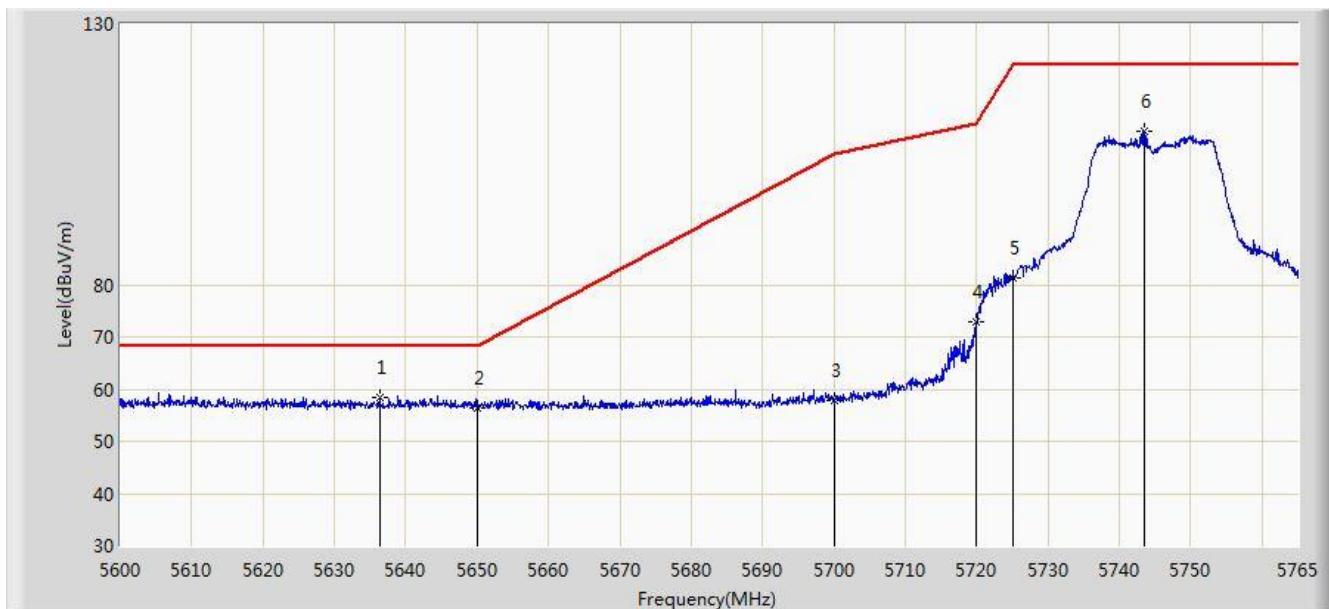


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.663	49.593	-1.337	54.000	3.069	AV
2		*	5172.460	105.922	102.908	N/A	N/A	3.013	AV

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

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

Site: AC1	Time: 2017/09/13 - 22:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1 + 2 + 3	

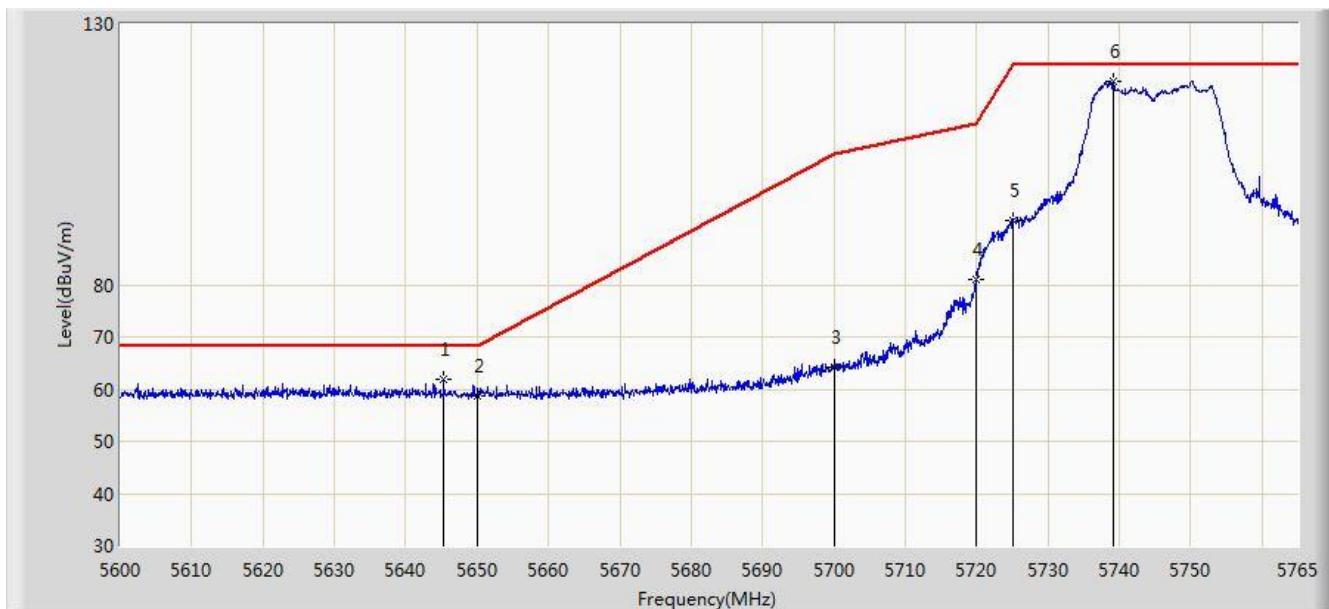


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5636.300	58.549	54.802	-9.651	68.200	3.747	PK
2			5650.000	56.349	52.546	-11.851	68.200	3.803	PK
3			5700.000	57.690	53.750	-47.510	105.200	3.940	PK
4			5720.000	72.760	68.778	-38.040	110.800	3.982	PK
5			5725.000	81.325	77.219	-40.875	122.200	4.105	PK
6			5743.467	109.463	105.193	N/A	N/A	4.270	PK

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

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

Site: AC1	Time: 2017/09/13 - 22:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5745MHz Ant 0 + 1 + 2 + 3	

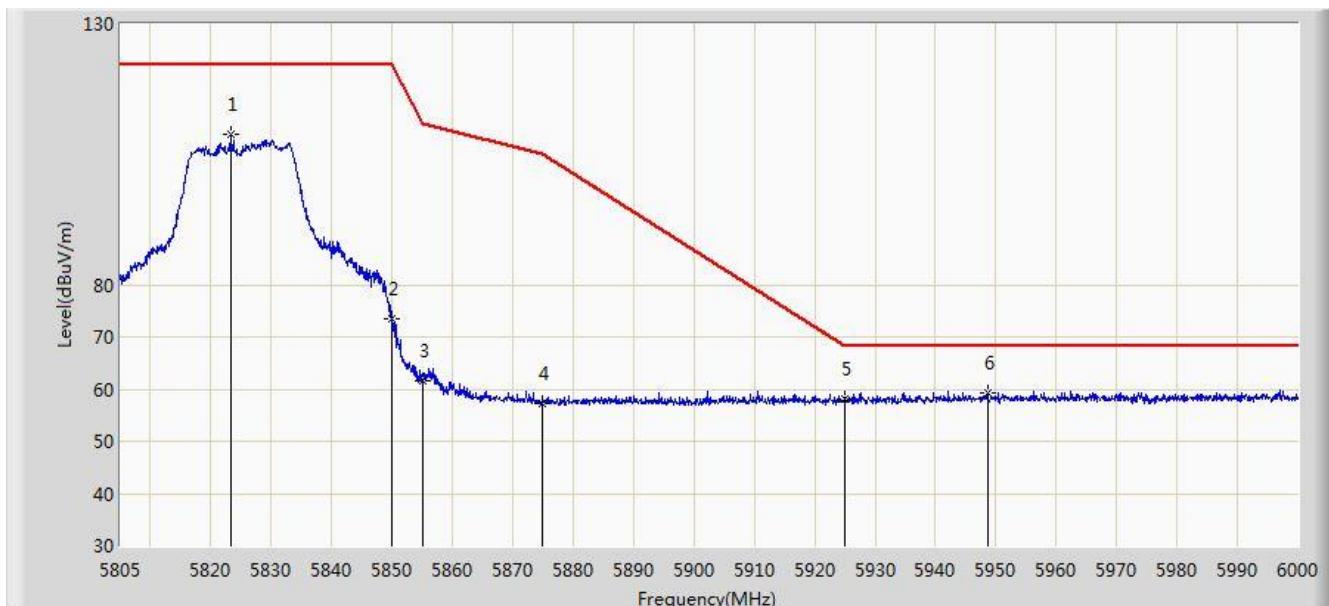


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V/m)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5645.292	61.802	57.891	-6.398	68.200	3.911	PK
2			5650.000	58.765	54.962	-9.435	68.200	3.803	PK
3			5700.000	64.159	60.219	-41.041	105.200	3.940	PK
4			5720.000	81.158	77.176	-29.642	110.800	3.982	PK
5			5725.000	92.193	88.087	-30.007	122.200	4.105	PK
6	*		5739.178	119.062	114.782	N/A	N/A	4.280	PK

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

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

Site: AC1	Time: 2017/09/13 - 22:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1 + 2 + 3	

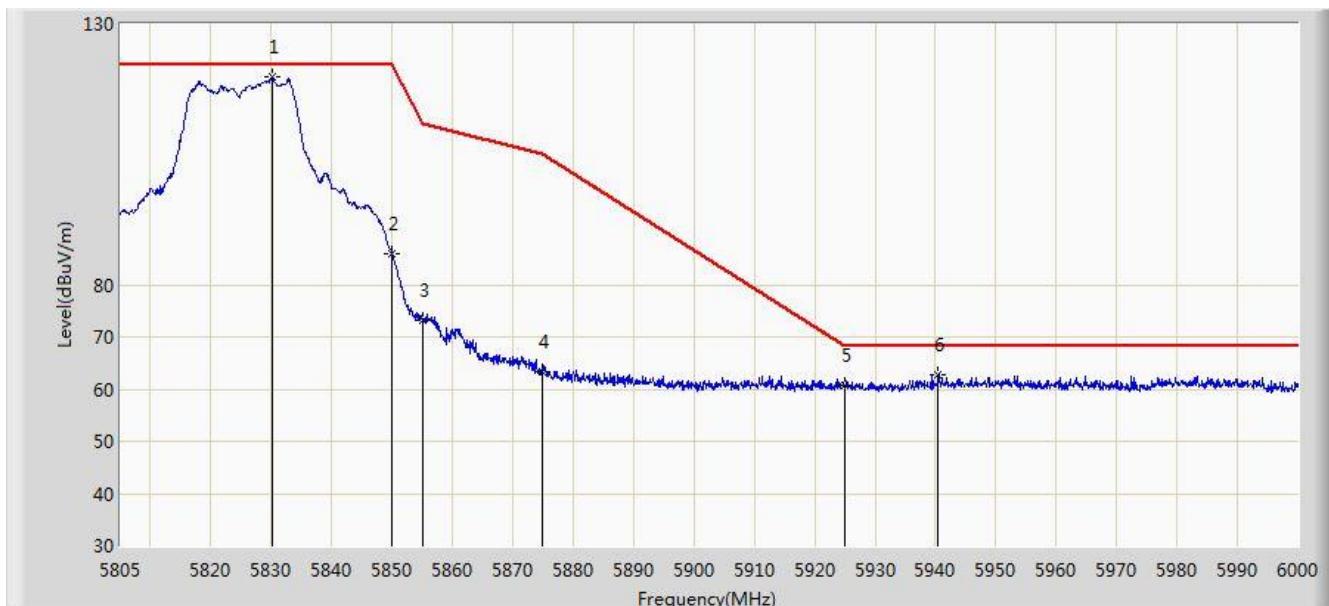


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5823.232	108.837	104.126	N/A	N/A	4.712	PK
2			5850.000	73.598	68.603	-48.602	122.200	4.995	PK
3			5855.000	61.596	56.608	-49.204	110.800	4.987	PK
4			5875.000	57.216	52.209	-47.984	105.200	5.008	PK
5			5925.000	58.257	53.105	-9.943	68.200	5.152	PK
6	*		5948.618	59.355	54.158	-8.845	68.200	5.197	PK

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

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

Site: AC1	Time: 2017/09/13 - 22:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 5825MHz Ant 0 + 1 + 2 + 3	

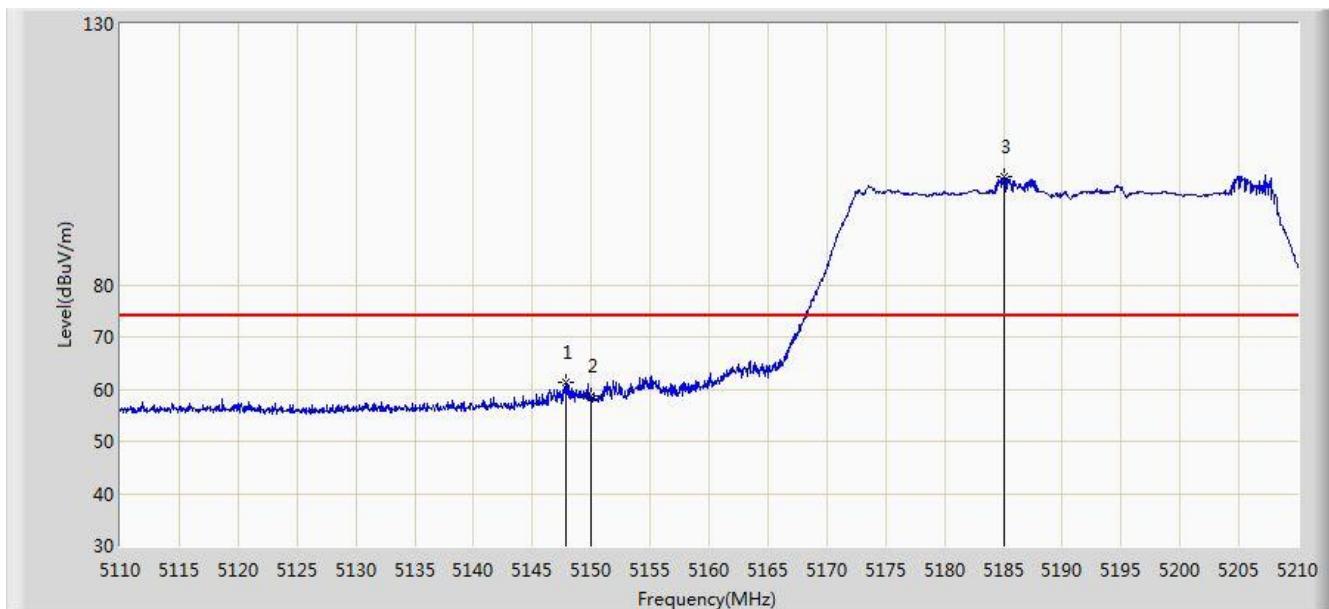


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5830.058	119.714	114.894	N/A	N/A	4.820	PK
2			5850.000	85.945	80.950	-36.255	122.200	4.995	PK
3			5855.000	73.052	68.064	-37.748	110.800	4.987	PK
4			5875.000	63.243	58.236	-41.957	105.200	5.008	PK
5			5925.000	60.709	55.557	-7.491	68.200	5.152	PK
6			5940.428	62.752	57.580	-5.448	68.200	5.172	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: 2017/09/13 - 22:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

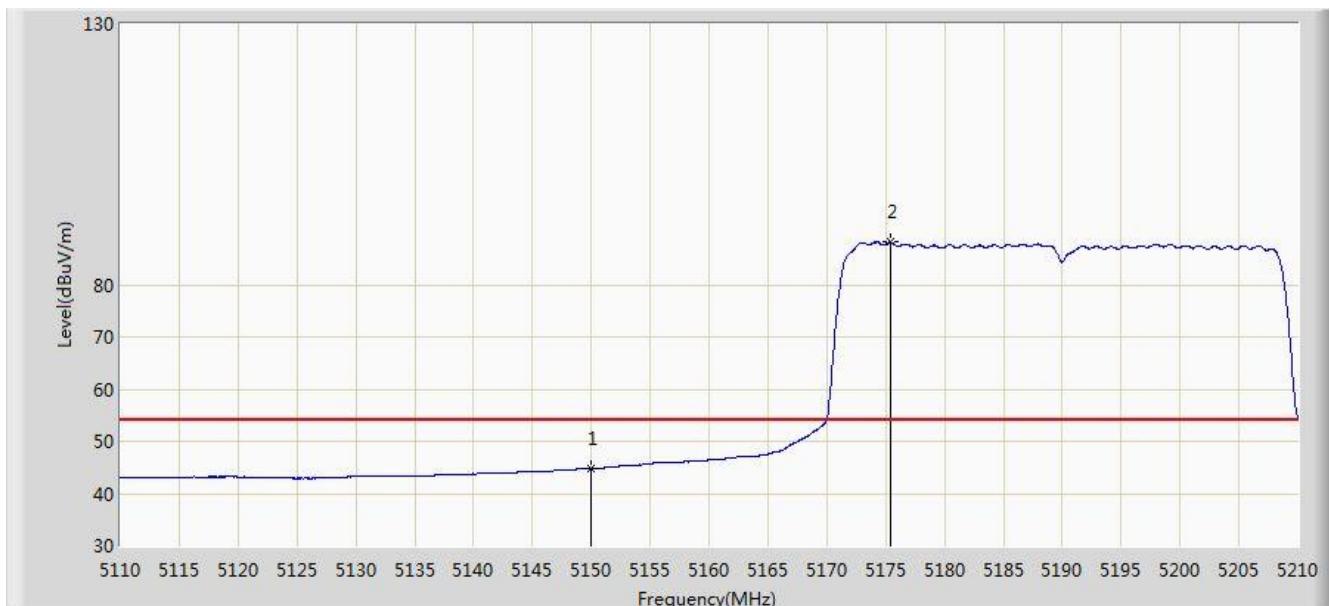


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5147.900	61.183	58.108	-12.817	74.000	3.075	PK
2			5150.000	58.667	55.597	-15.333	74.000	3.069	PK
3	*		5185.100	100.835	97.823	N/A	N/A	3.012	PK

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

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

Site: AC1	Time: 2017/09/13 - 22:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

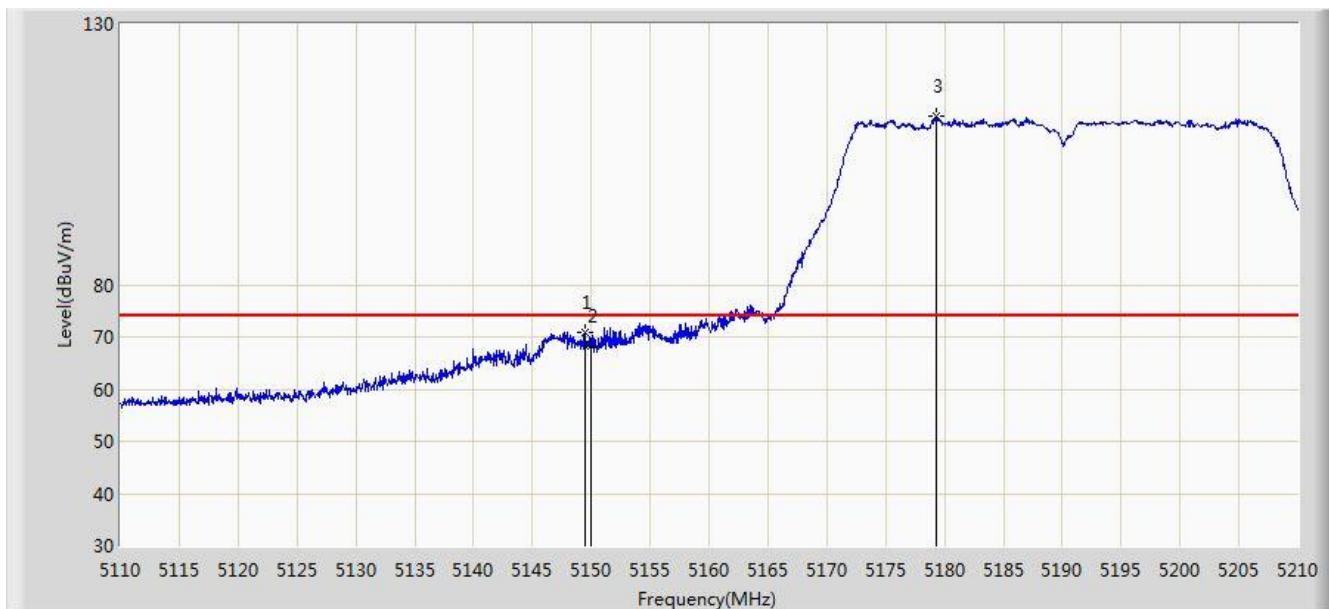


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	44.841	41.771	-9.159	54.000	3.069	AV
2		*	5175.400	88.117	85.092	N/A	N/A	3.025	AV

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

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

Site: AC1	Time: 2017/09/13 - 22:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

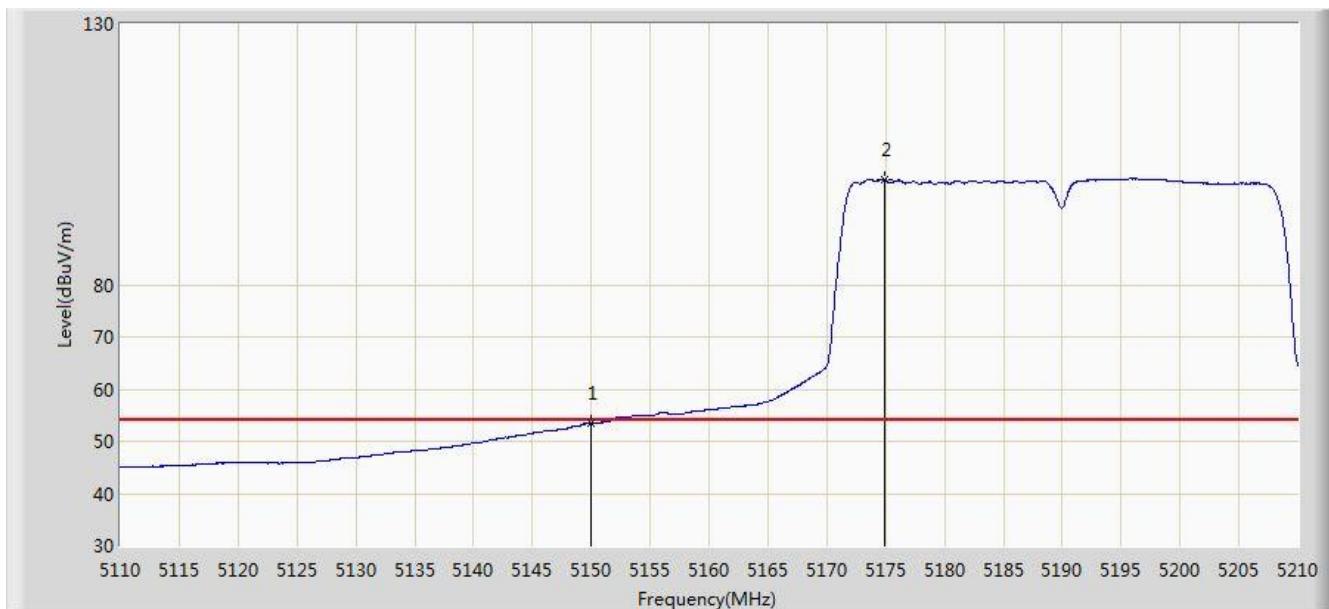


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5149.450	70.953	67.882	-3.047	74.000	3.071	PK
2			5150.000	68.329	65.259	-5.671	74.000	3.069	PK
3	*		5179.300	112.227	109.187	N/A	N/A	3.040	PK

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

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

Site: AC1	Time: 2017/09/13 - 22:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

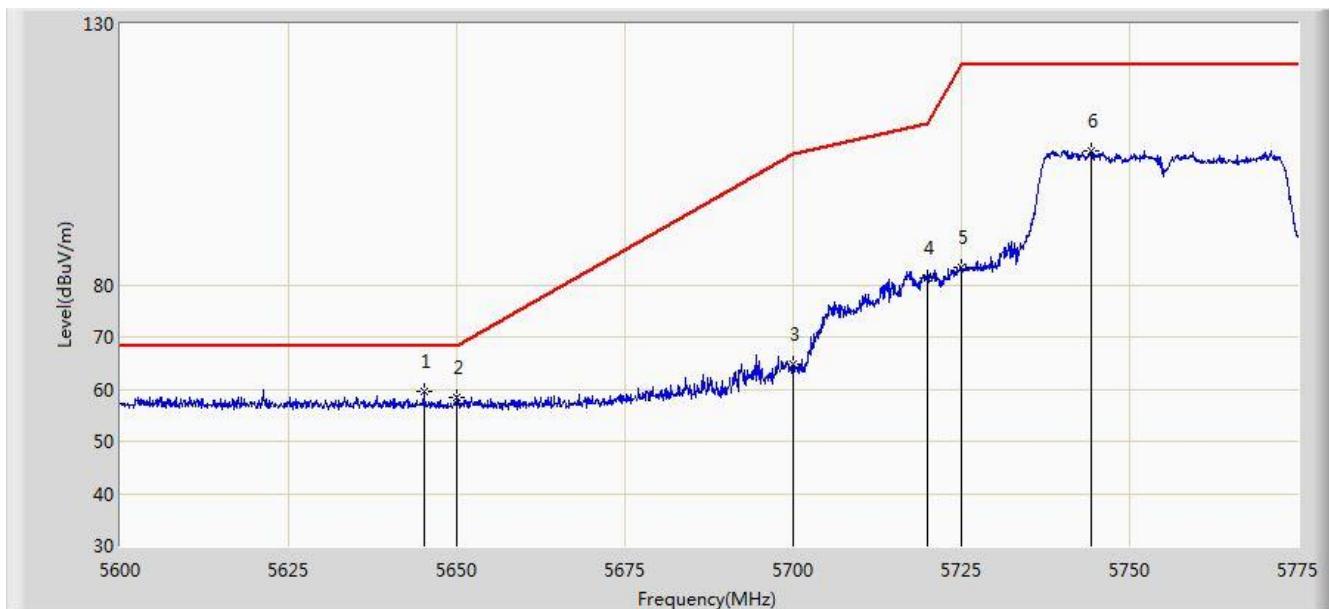


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	53.500	50.430	-0.500	54.000	3.069	AV
2		*	5174.900	100.214	97.191	N/A	N/A	3.024	AV

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

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

Site: AC1	Time: 2017/09/13 - 23:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1 + 2 + 3	

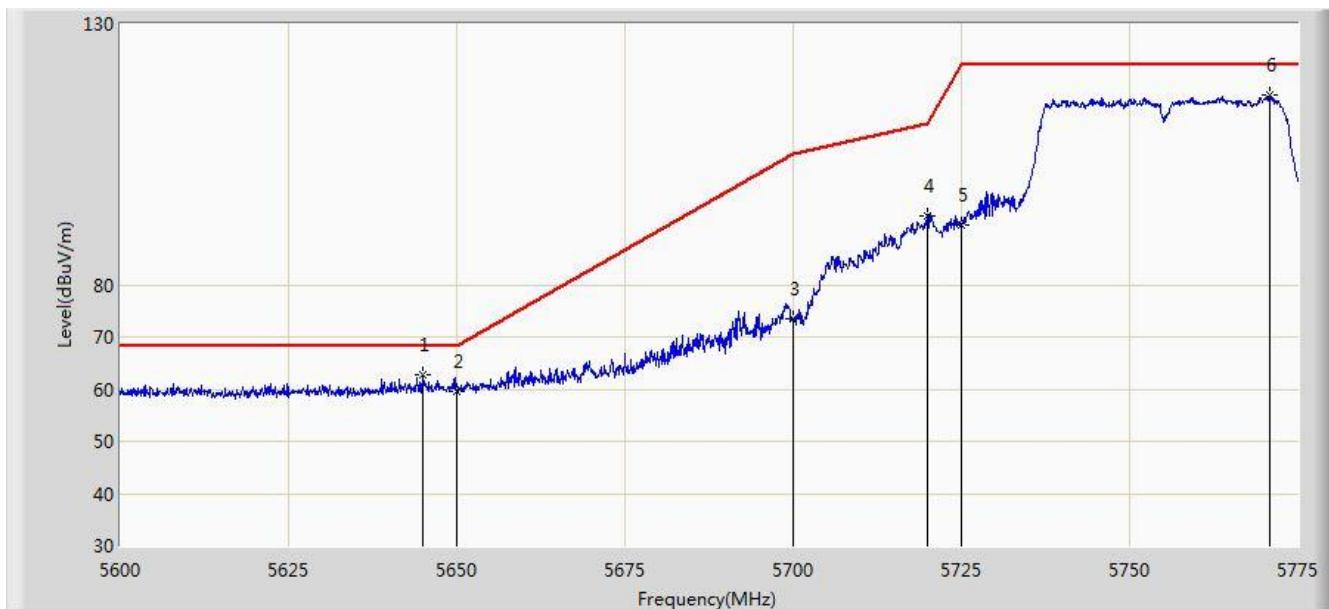


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5645.150	59.559	55.645	-8.641	68.200	3.914	PK
2			5650.000	58.284	54.481	-9.916	68.200	3.803	PK
3			5700.000	64.674	60.734	-40.526	105.200	3.940	PK
4			5720.000	81.262	77.280	-29.538	110.800	3.982	PK
5			5725.000	83.197	79.091	-39.003	122.200	4.105	PK
6			5744.200	105.760	101.490	N/A	N/A	4.270	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: 2017/09/13 - 23:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5755MHz Ant 0 + 1 + 2 + 3	

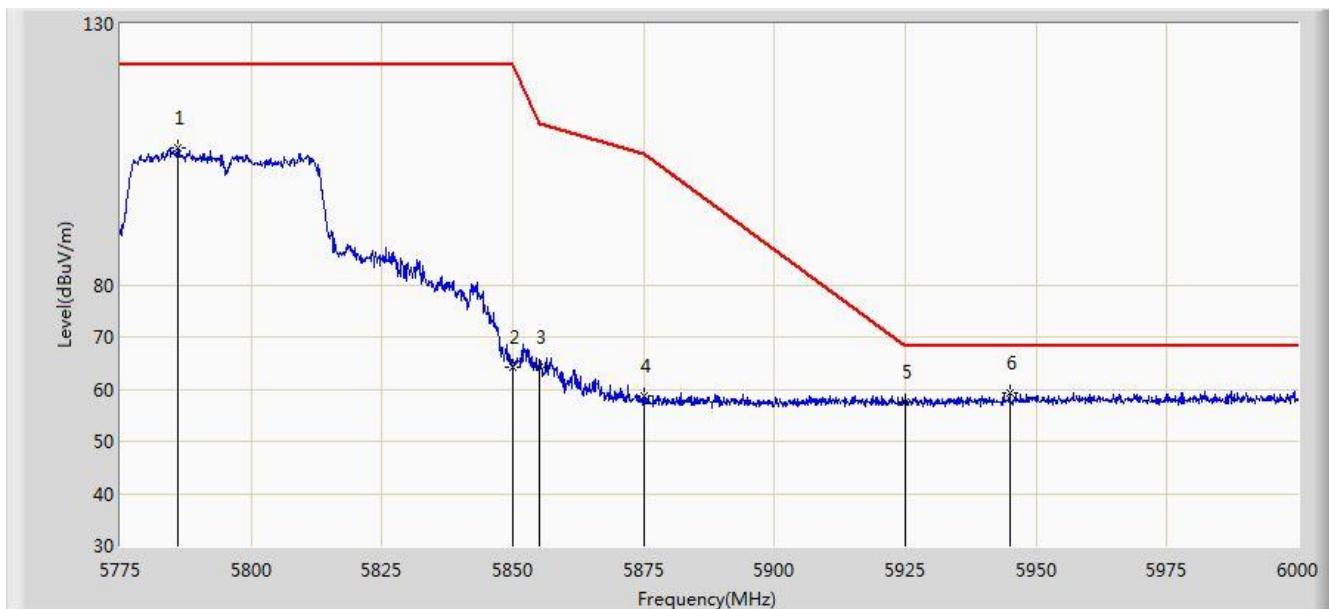


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5645.062	62.709	58.793	-5.491	68.200	3.916	PK
2			5650.000	59.583	55.780	-8.617	68.200	3.803	PK
3			5700.000	73.561	69.621	-31.639	105.200	3.940	PK
4			5720.000	93.120	89.138	-17.680	110.800	3.982	PK
5			5725.000	91.389	87.283	-30.811	122.200	4.105	PK
6			5770.800	116.245	111.813	N/A	N/A	4.432	PK

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

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

Site: AC1	Time: 2017/09/13 - 23:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1 + 2 + 3	

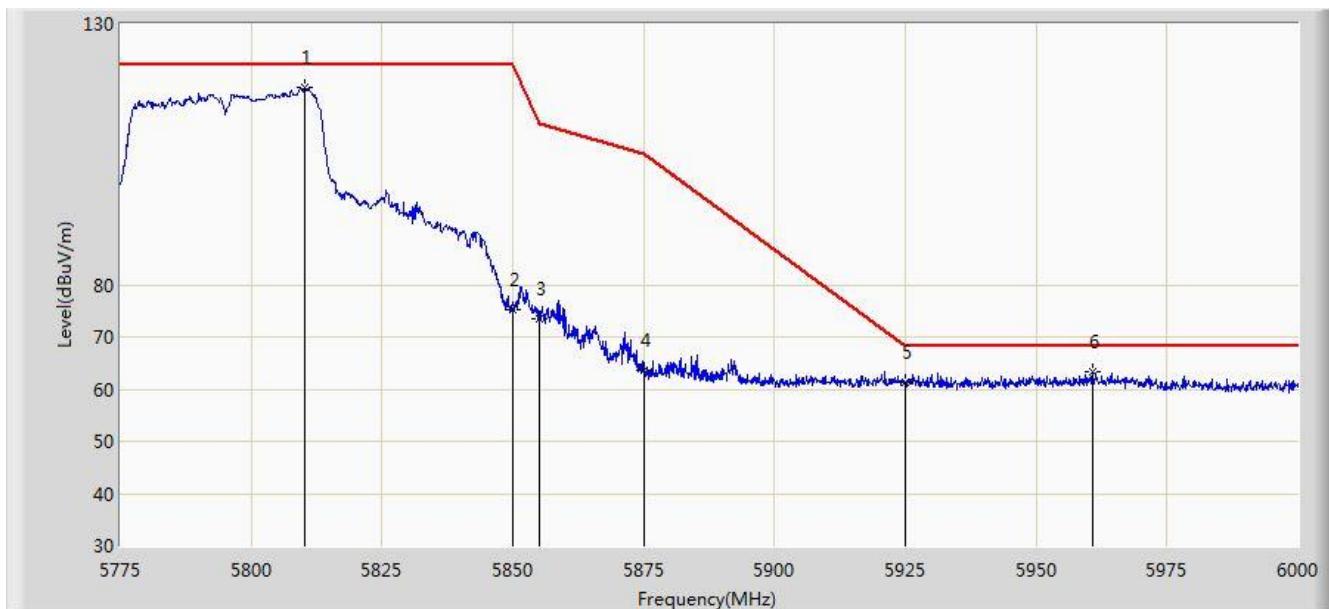


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5785.913	106.102	101.619	N/A	N/A	4.484	PK
2			5850.000	64.072	59.077	-58.128	122.200	4.995	PK
3			5855.000	64.155	59.167	-46.645	110.800	4.987	PK
4			5875.000	58.619	53.612	-46.581	105.200	5.008	PK
5			5925.000	57.669	52.517	-10.531	68.200	5.152	PK
6	*		5944.987	59.296	54.125	-8.904	68.200	5.171	PK

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

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

Site: AC1	Time: 2017/09/13 - 23:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 5795MHz Ant 0 + 1 + 2 + 3	

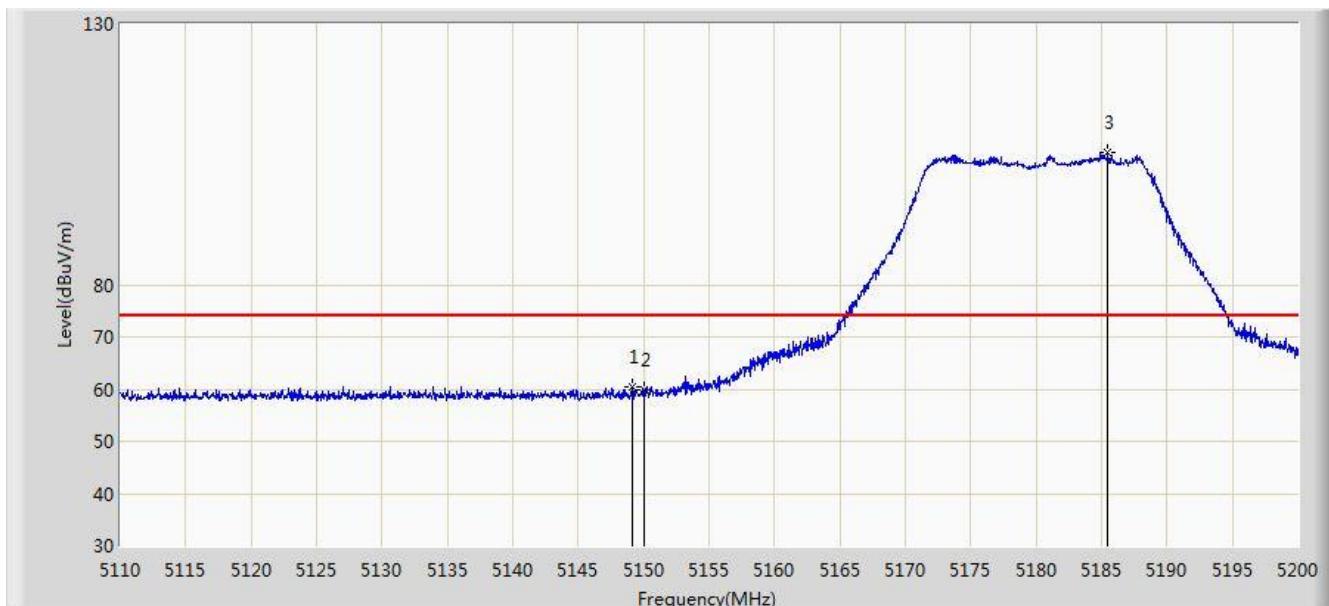


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1	*		5810.212	117.758	113.103	N/A	N/A	4.655	PK
2			5850.000	75.116	70.121	-47.084	122.200	4.995	PK
3			5855.000	73.577	68.589	-37.223	110.800	4.987	PK
4			5875.000	63.601	58.594	-41.599	105.200	5.008	PK
5			5925.000	61.367	56.215	-6.833	68.200	5.152	PK
6			5960.737	63.442	58.076	-4.758	68.200	5.366	PK

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

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

Site: AC1	Time: 2017/09/13 - 23:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

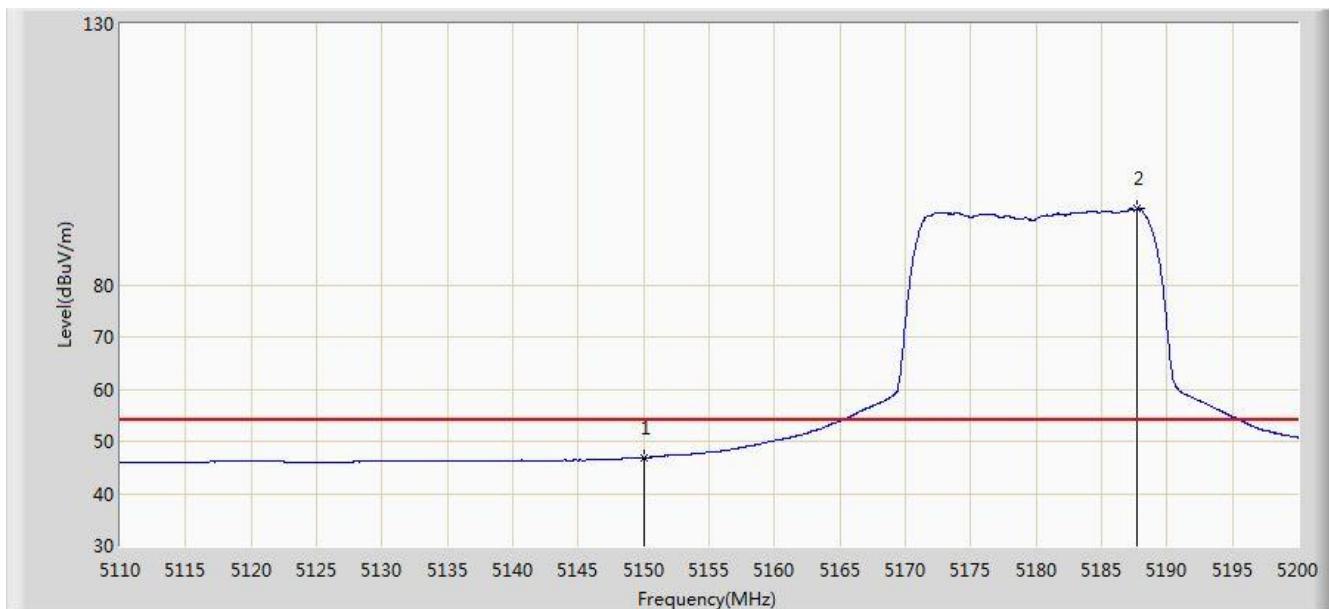


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5149.150	60.558	57.486	-13.442	74.000	3.072	PK
2			5150.000	59.824	56.754	-14.176	74.000	3.069	PK
3	*		5185.465	105.319	102.311	N/A	N/A	3.008	PK

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

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

Site: AC1	Time: 2017/09/13 - 23:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

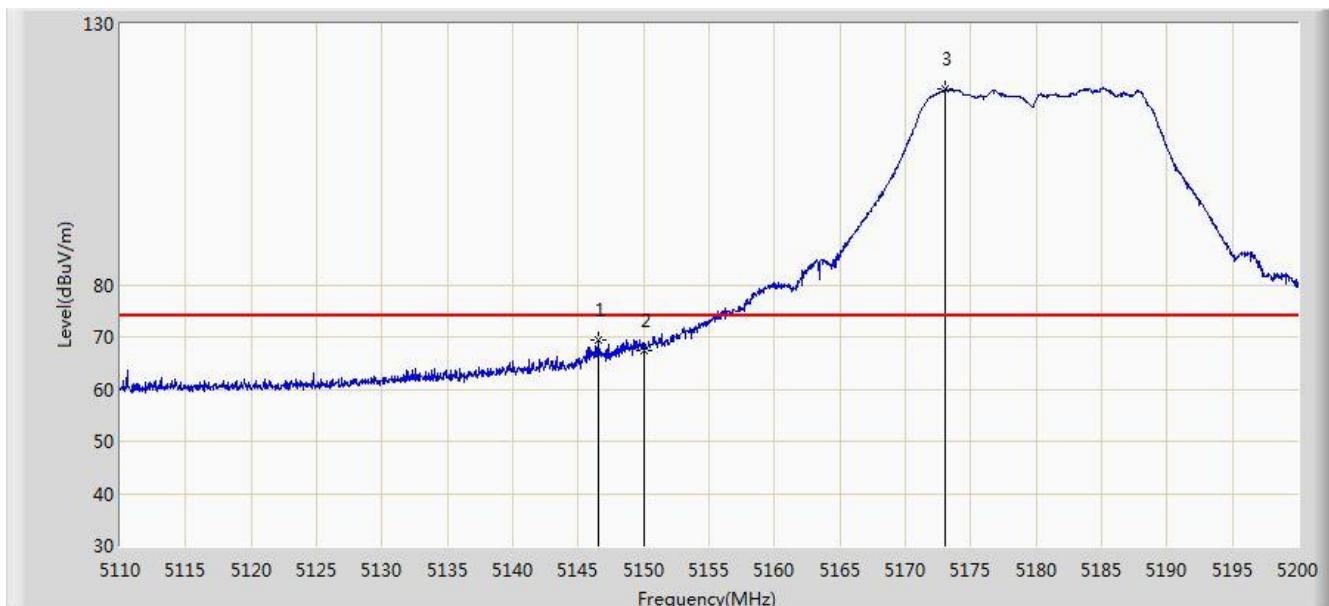


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.878	43.808	-7.122	54.000	3.069	AV
2		*	5187.670	94.548	91.568	N/A	N/A	2.981	AV

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

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

Site: AC1	Time: 2017/09/13 - 23:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

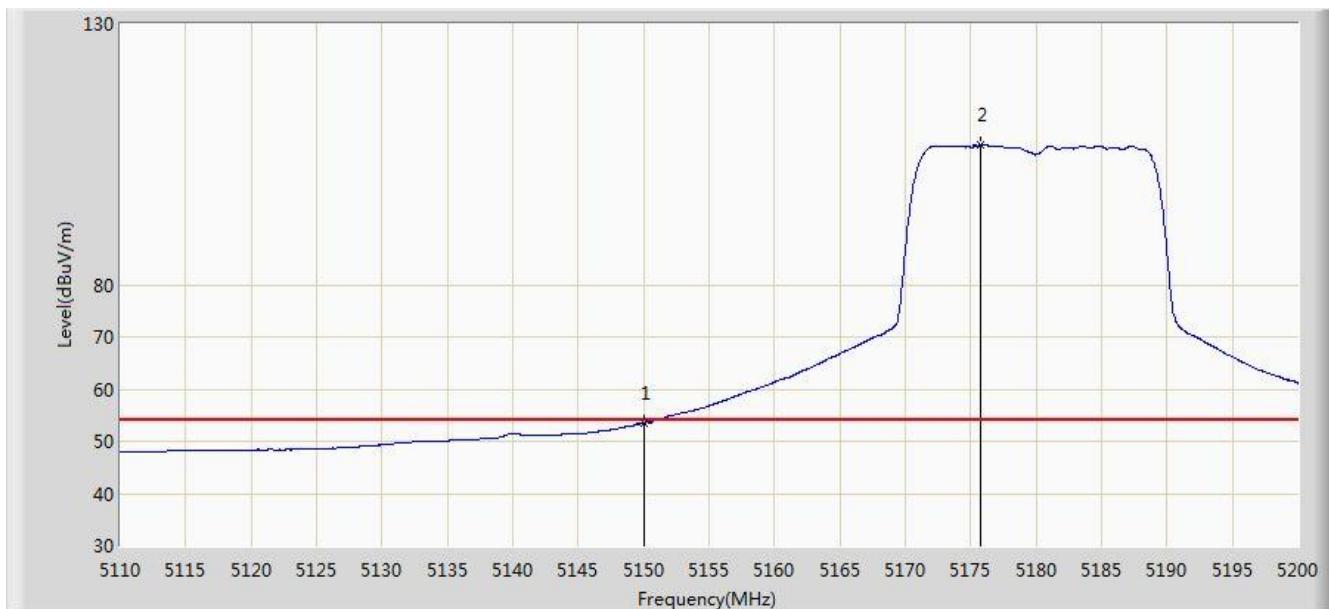


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5146.495	69.461	66.383	-4.539	74.000	3.078	PK
2			5150.000	67.407	64.337	-6.593	74.000	3.069	PK
3	*		5173.045	117.573	114.557	N/A	N/A	3.015	PK

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

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

Site: AC1	Time: 2017/09/13 - 23:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5180MHz Ant 0 + 1 + 2 + 3	

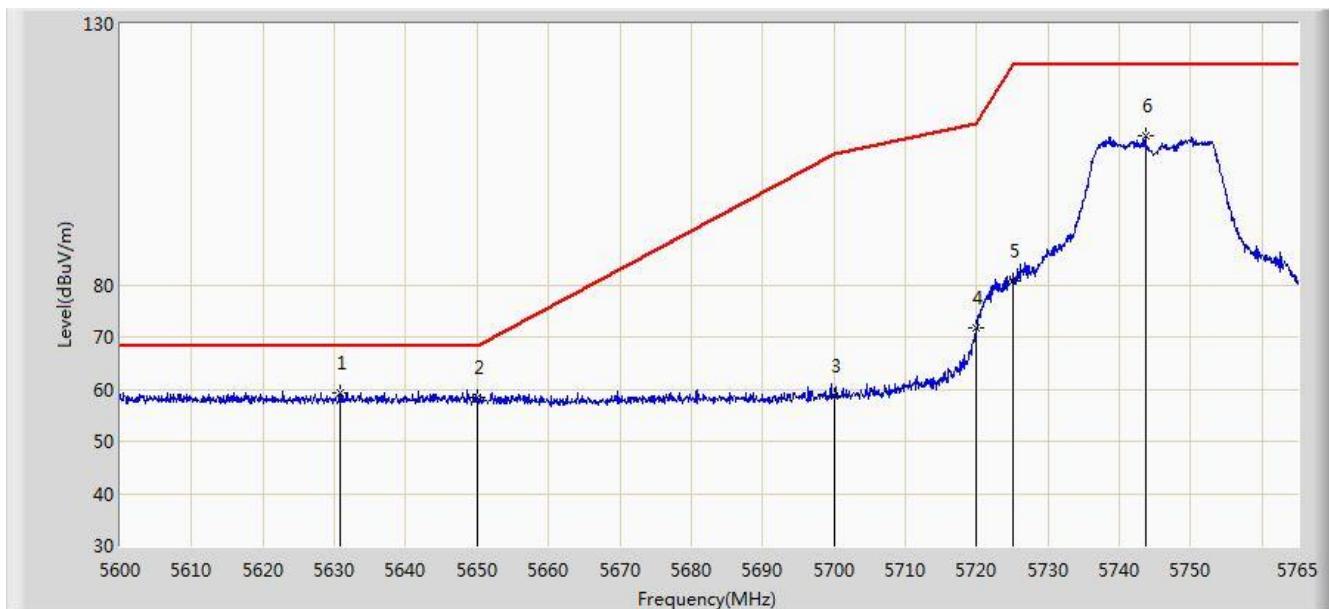


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	53.514	50.444	-0.486	54.000	3.069	AV
2		*	5175.790	106.879	103.852	N/A	N/A	3.027	AV

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

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

Site: AC1	Time: 2017/09/14 - 01:02
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0 + 1 + 2 + 3	

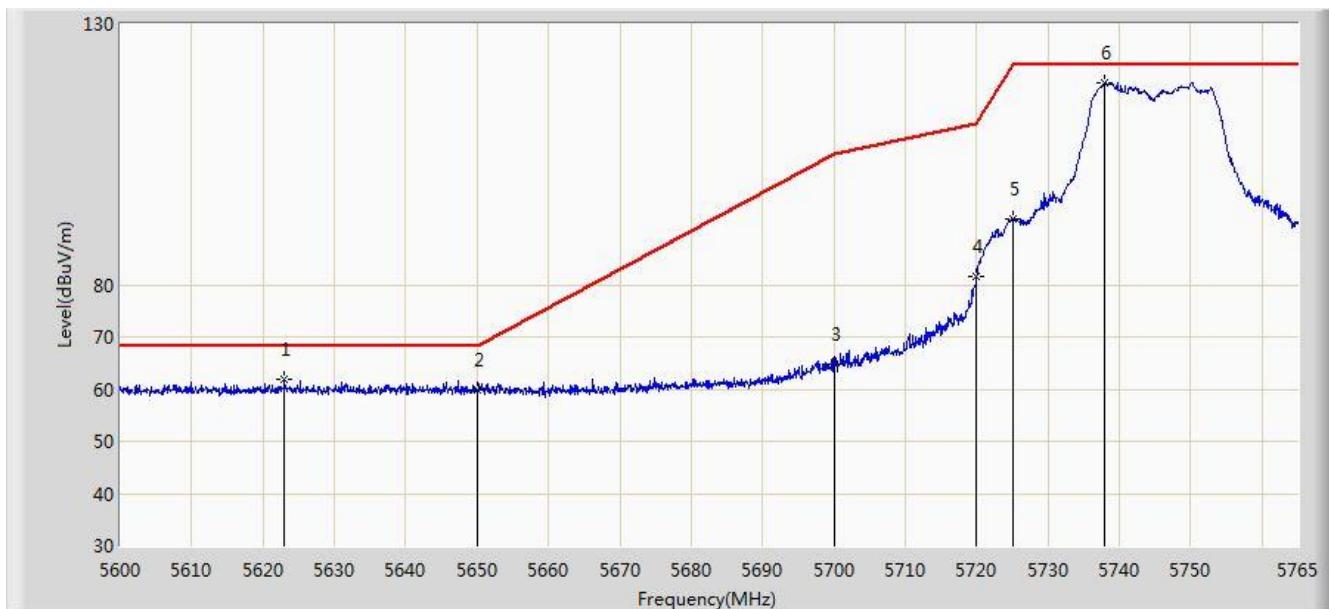


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V/m)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1		*	5630.855	59.399	55.768	-8.801	68.200	3.631	PK
2			5650.000	58.325	54.522	-9.875	68.200	3.803	PK
3			5700.000	58.771	54.831	-46.429	105.200	3.940	PK
4			5720.000	71.597	67.615	-39.203	110.800	3.982	PK
5			5725.000	80.863	76.757	-41.337	122.200	4.105	PK
6			5743.632	108.647	104.377	N/A	N/A	4.269	PK

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

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

Site: AC1	Time: 2017/09/14 - 01:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5745MHz Ant 0 + 1 + 2 + 3	

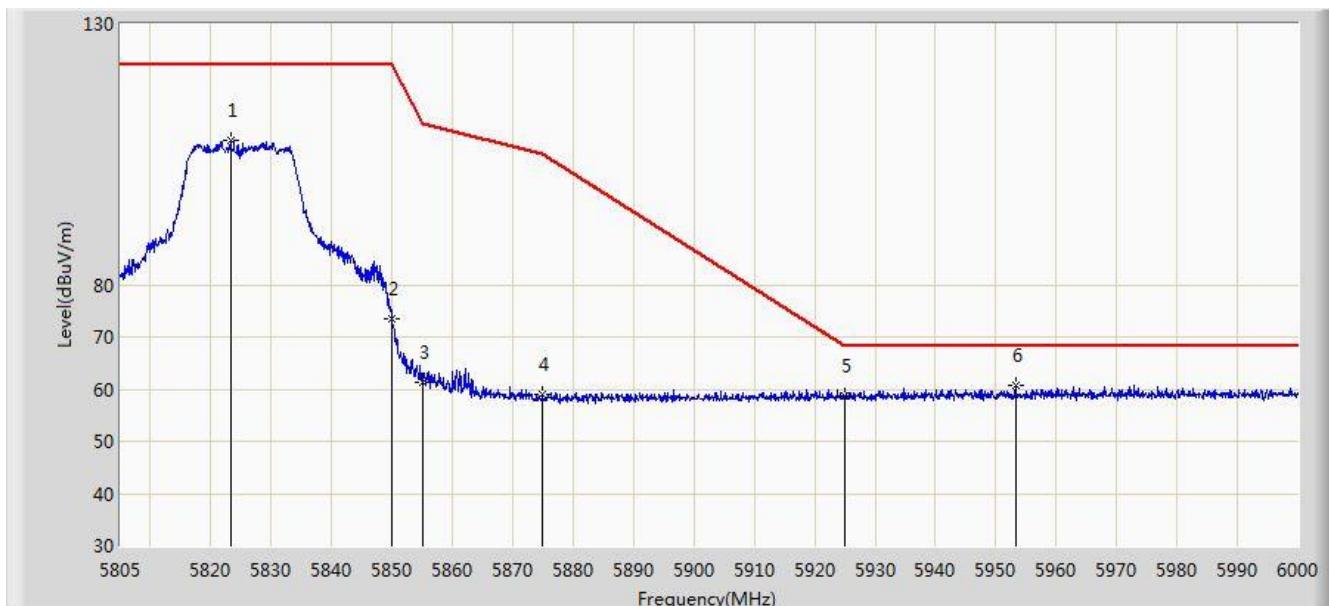


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5623.018	61.910	58.326	-6.290	68.200	3.584	PK
2			5650.000	59.897	56.094	-8.303	68.200	3.803	PK
3			5700.000	64.792	60.852	-40.408	105.200	3.940	PK
4			5720.000	81.679	77.697	-29.121	110.800	3.982	PK
5			5725.000	92.520	88.414	-29.680	122.200	4.105	PK
6	*		5737.940	118.834	114.551	N/A	N/A	4.283	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: 2017/09/14 - 01:05
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0 + 1 + 2 + 3	

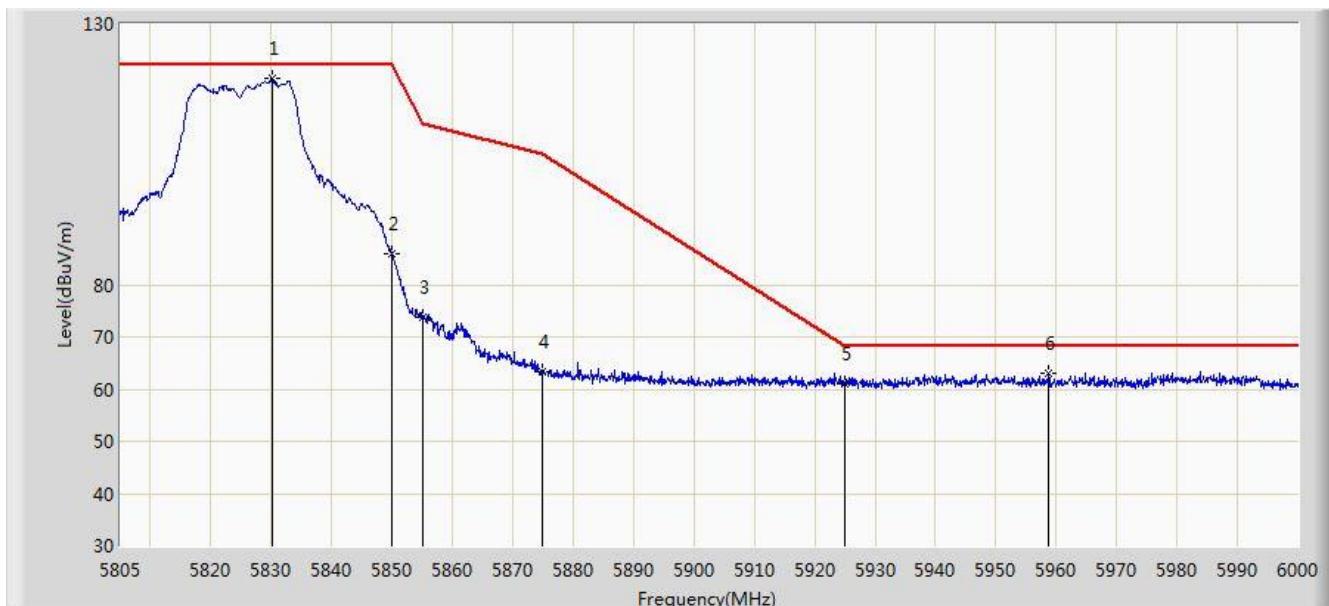


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5823.232	107.705	102.994	N/A	N/A	4.712	PK
2			5850.000	73.618	68.623	-48.582	122.200	4.995	PK
3			5855.000	61.408	56.420	-49.392	110.800	4.987	PK
4			5875.000	58.985	53.978	-46.215	105.200	5.008	PK
5			5925.000	58.757	53.605	-9.443	68.200	5.152	PK
6	*		5953.297	60.699	55.432	-7.501	68.200	5.267	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: 2017/09/14 - 01:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at channel 5825MHz Ant 0 + 1 + 2 + 3	

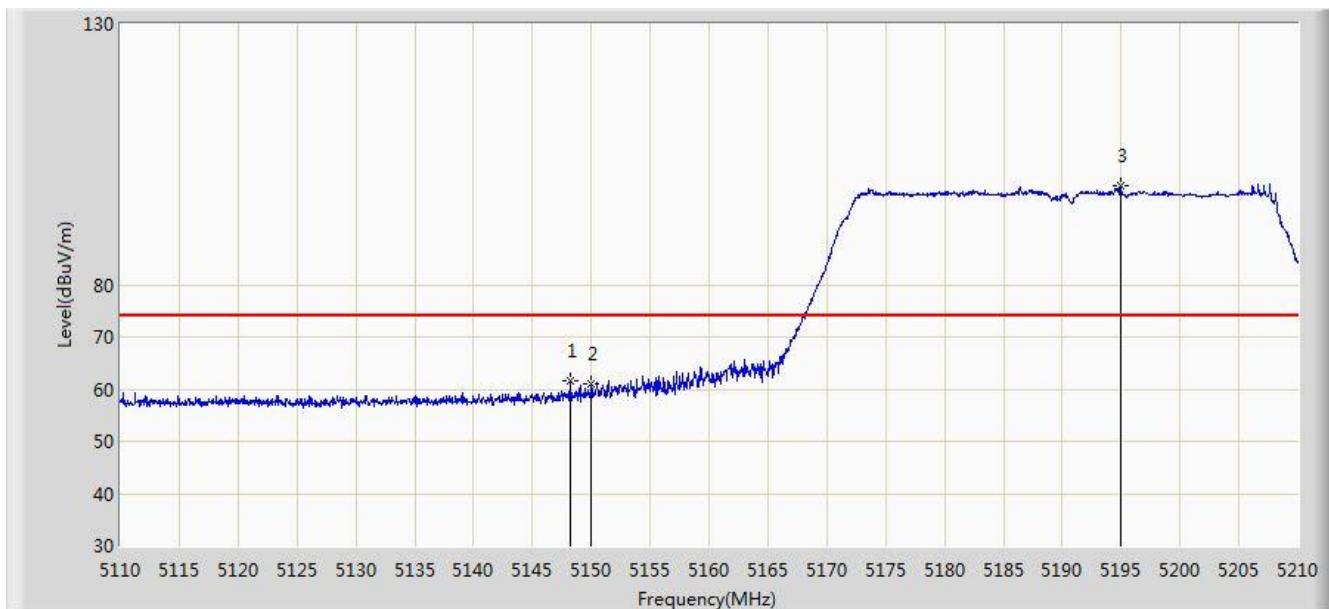


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Over Limit (dB)	Limit (dBμV/m)	Factor (dB)	Type
1		*	5830.155	119.696	114.874	N/A	N/A	4.822	PK
2			5850.000	85.973	80.978	-36.227	122.200	4.995	PK
3			5855.000	73.760	68.772	-37.040	110.800	4.987	PK
4			5875.000	63.469	58.462	-41.731	105.200	5.008	PK
5			5925.000	61.148	55.996	-7.052	68.200	5.152	PK
6			5958.757	62.987	57.633	-5.213	68.200	5.355	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: 2017/09/14 - 01:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

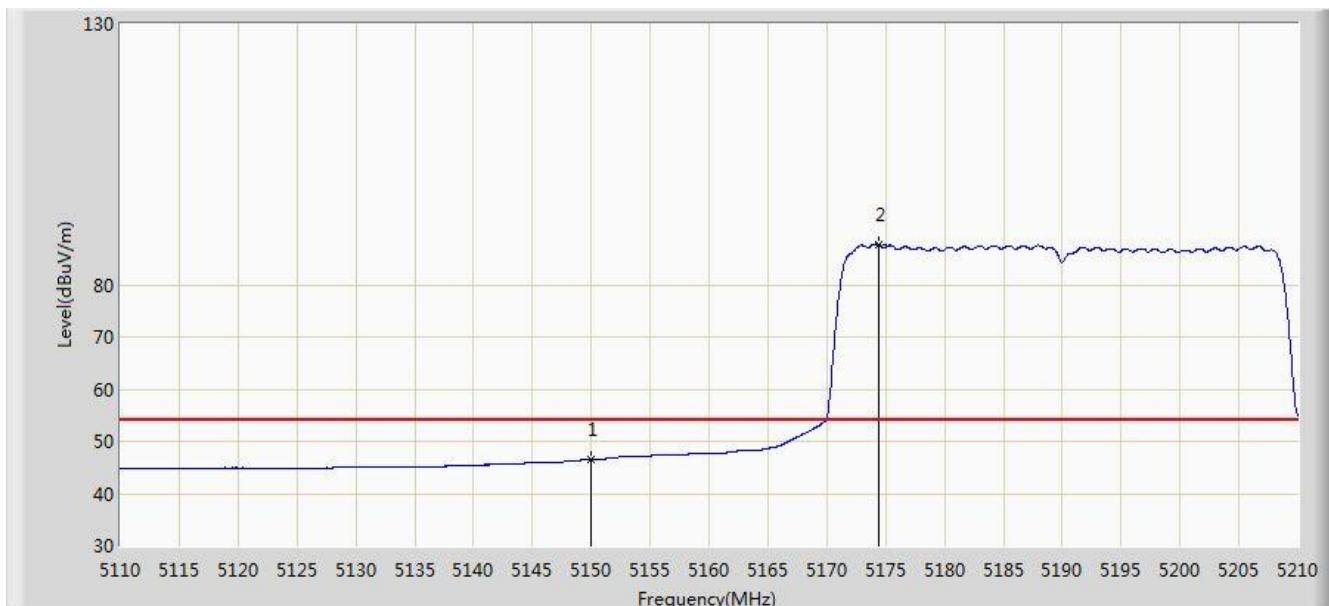


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5148.200	61.654	58.580	-12.346	74.000	3.073	PK
2			5150.000	61.143	58.073	-12.857	74.000	3.069	PK
3	*		5194.900	99.053	96.175	N/A	N/A	2.878	PK

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

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

Site: AC1	Time: 2017/09/14 - 01:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

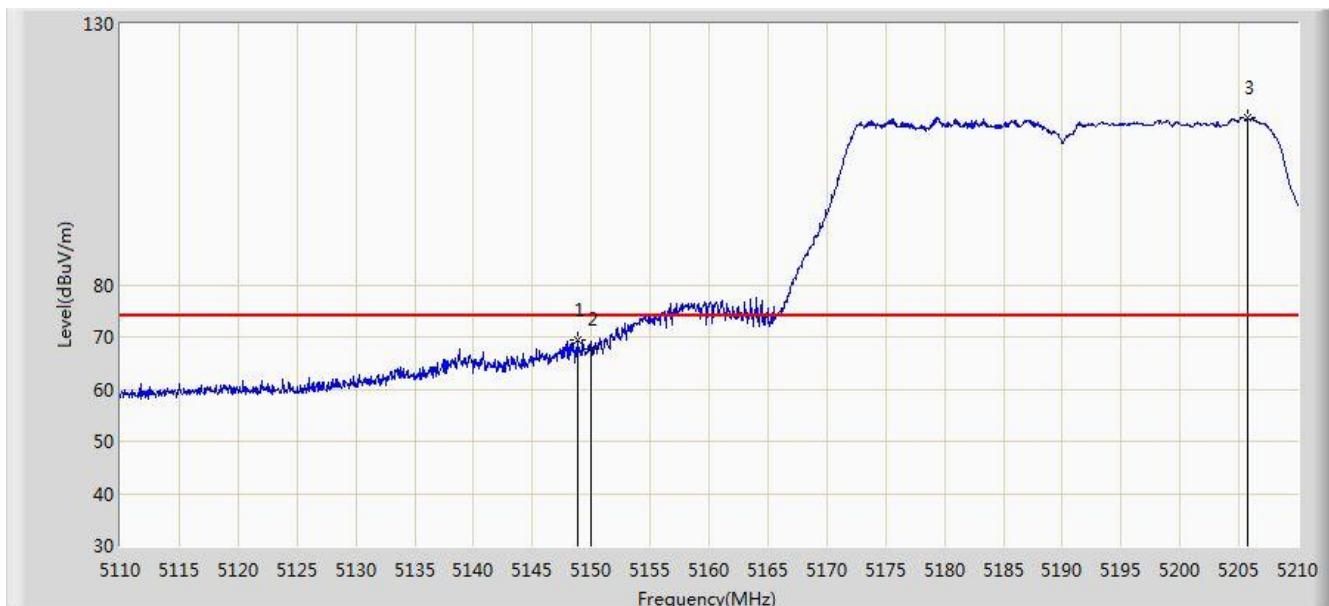


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.495	43.425	-7.505	54.000	3.069	AV
2		*	5174.350	87.670	84.649	N/A	N/A	3.022	AV

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

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

Site: AC1	Time: 2017/09/14 - 01:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

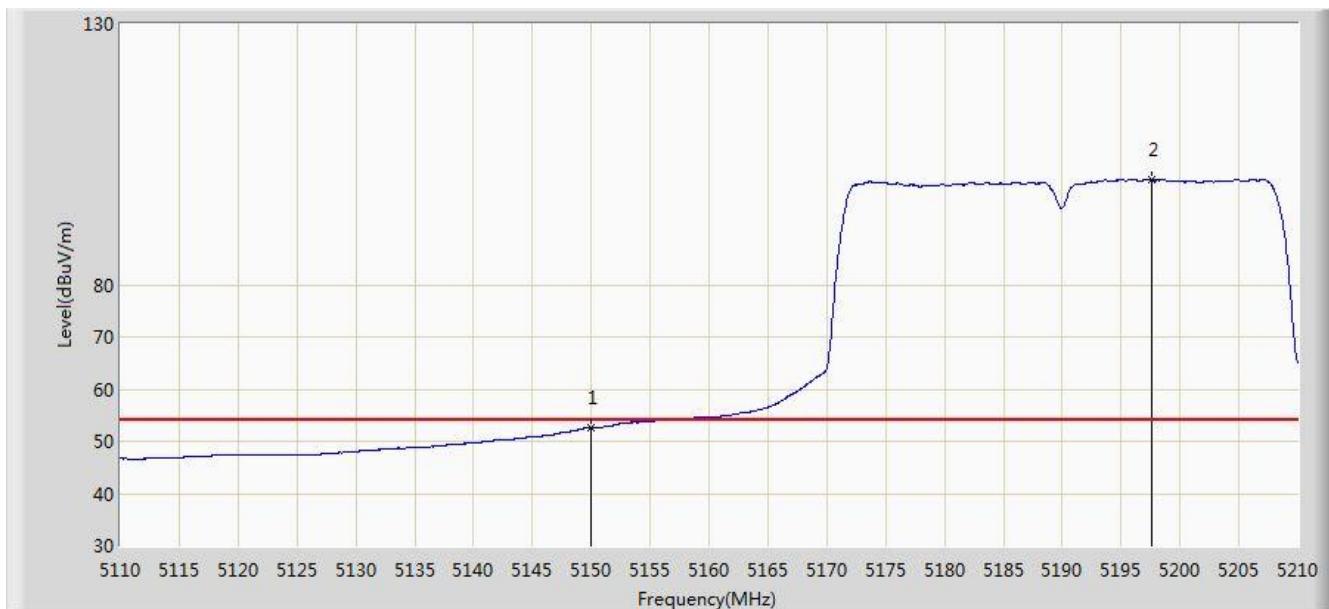


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1			5148.900	69.300	66.228	-4.700	74.000	3.072	PK
2			5150.000	67.618	64.548	-6.382	74.000	3.069	PK
3	*		5205.750	111.886	109.089	N/A	N/A	2.797	PK

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: 2017/09/14 - 01:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5190MHz Ant 0 + 1 + 2 + 3	

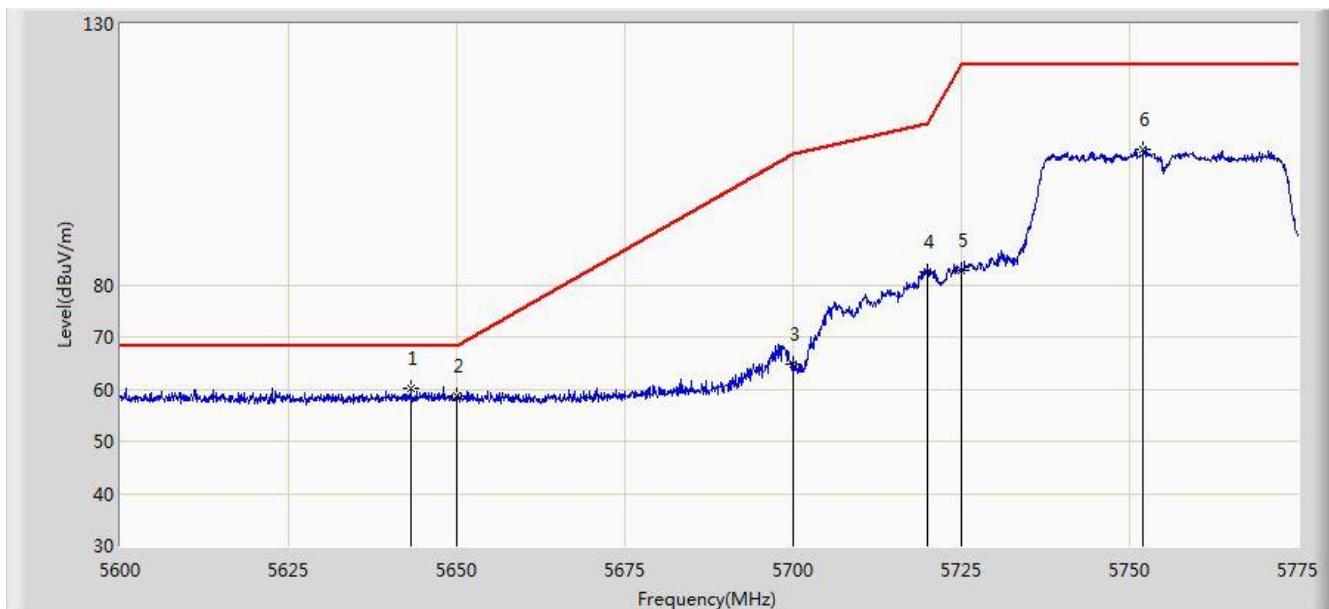


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5150.000	52.644	49.574	-1.356	54.000	3.069	AV
2		*	5197.650	100.187	97.350	N/A	N/A	2.837	AV

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

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

Site: AC1	Time: 2017/09/14 - 02:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0 + 1 + 2 + 3	

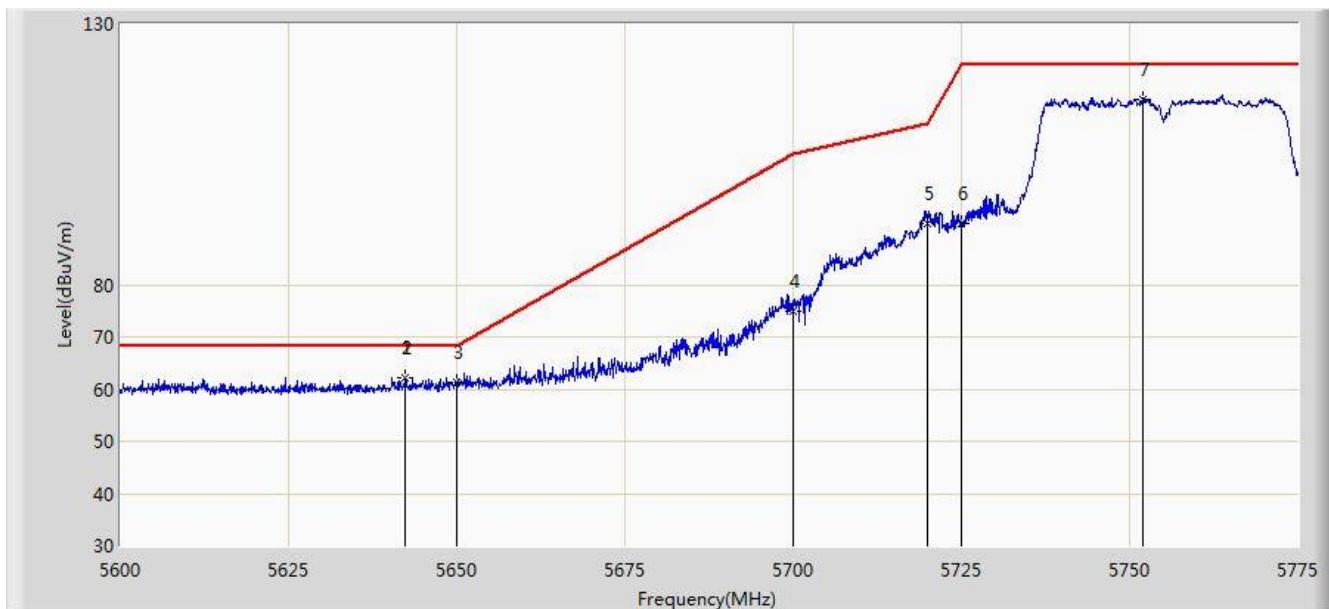


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1	*		5643.138	60.082	56.197	-8.118	68.200	3.885	PK
2			5650.000	58.590	54.787	-9.610	68.200	3.803	PK
3			5700.000	64.878	60.938	-40.322	105.200	3.940	PK
4			5720.000	82.469	78.487	-28.331	110.800	3.982	PK
5			5725.000	82.803	78.697	-39.397	122.200	4.105	PK
6			5752.075	105.950	101.648	N/A	N/A	4.302	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: 2017/09/14 - 02:34
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5755MHz Ant 0 + 1 + 2 + 3	

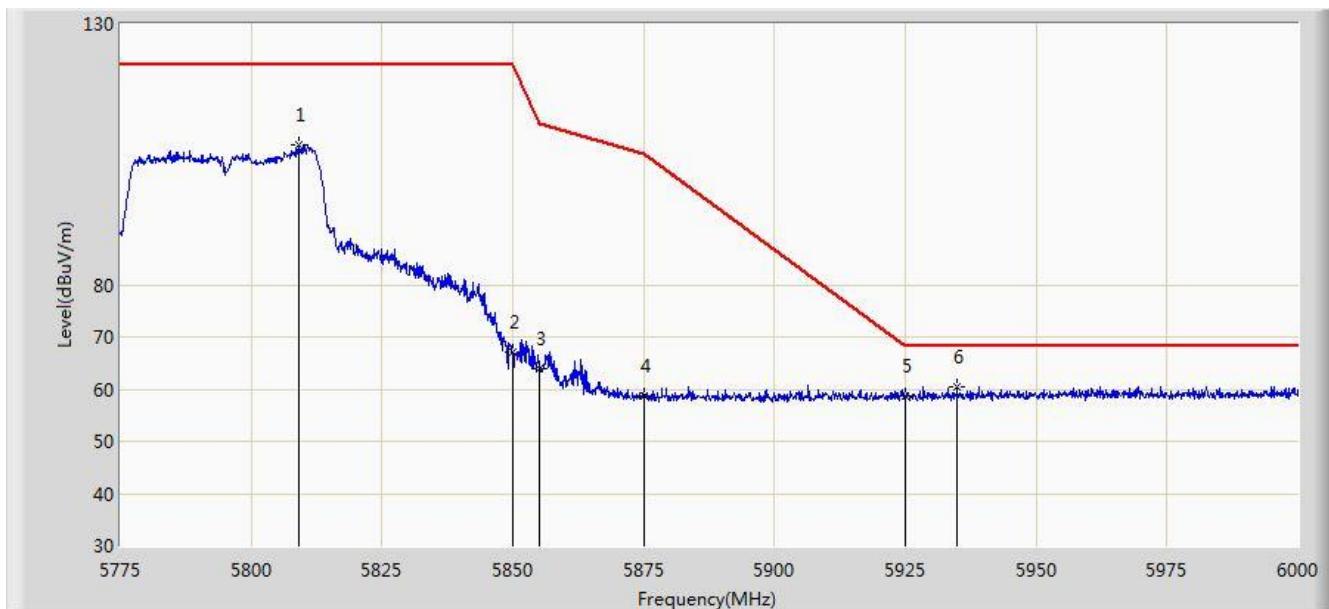


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5642.350	62.217	58.346	-5.983	68.200	3.871	PK
2			5642.350	62.217	58.346	-5.983	68.200	3.871	PK
3			5650.000	61.407	57.604	-6.793	68.200	3.803	PK
4			5700.000	74.869	70.929	-30.331	105.200	3.940	PK
5			5720.000	91.716	87.734	-19.084	110.800	3.982	PK
6			5725.000	91.607	87.501	-30.593	122.200	4.105	PK
7			5751.900	115.562	111.263	N/A	N/A	4.300	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: 2017/09/14 - 02:35
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0 + 1 + 2 + 3	

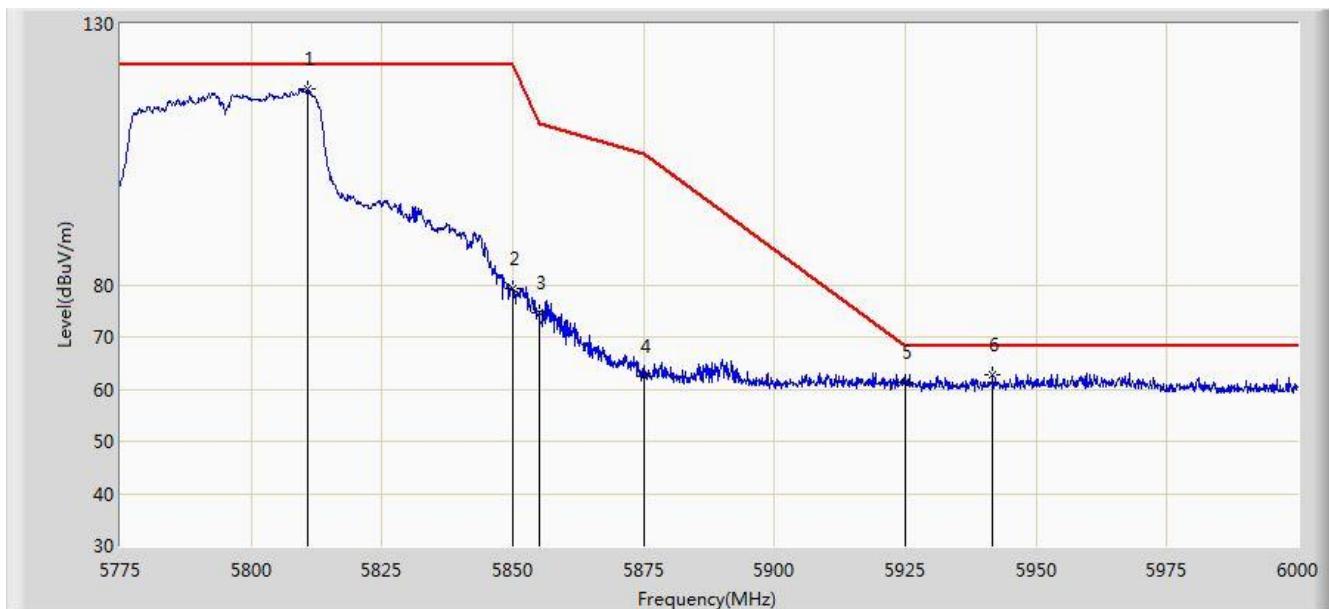


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5809.200	106.730	102.074	N/A	N/A	4.656	PK
2			5850.000	66.968	61.973	-55.232	122.200	4.995	PK
3			5855.000	63.917	58.929	-46.883	110.800	4.987	PK
4			5875.000	58.830	53.823	-46.370	105.200	5.008	PK
5			5925.000	58.553	53.401	-9.647	68.200	5.152	PK
6	*		5934.862	60.358	55.173	-7.842	68.200	5.185	PK

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

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

Site: AC1	Time: 2017/09/14 - 02:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at channel 5795MHz Ant 0 + 1 + 2 + 3	

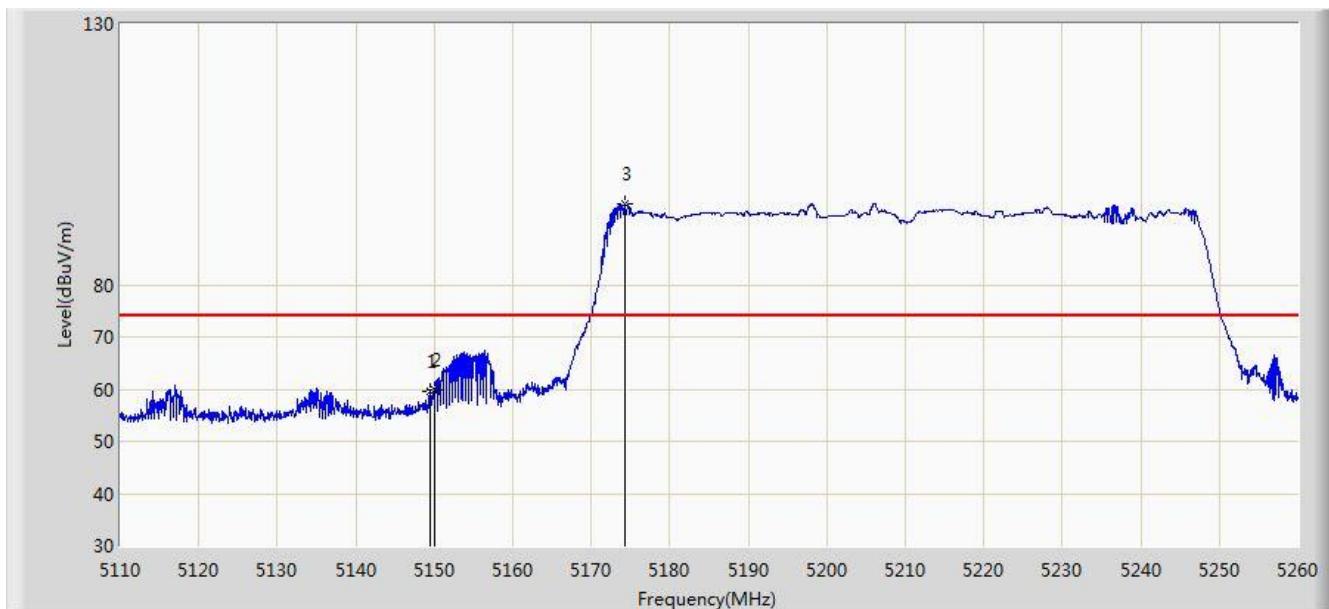


No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Over Limit (dB)	Limit (dBµV/m)	Factor (dB)	Type
1		*	5810.888	117.448	112.794	N/A	N/A	4.654	PK
2			5850.000	79.149	74.154	-43.051	122.200	4.995	PK
3			5855.000	74.770	69.782	-36.030	110.800	4.987	PK
4			5875.000	62.451	57.444	-42.749	105.200	5.008	PK
5			5925.000	61.435	56.283	-6.765	68.200	5.152	PK
6			5941.725	62.709	57.540	-5.491	68.200	5.169	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: 2017/09/14 - 02:45
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 + 2 + 3	

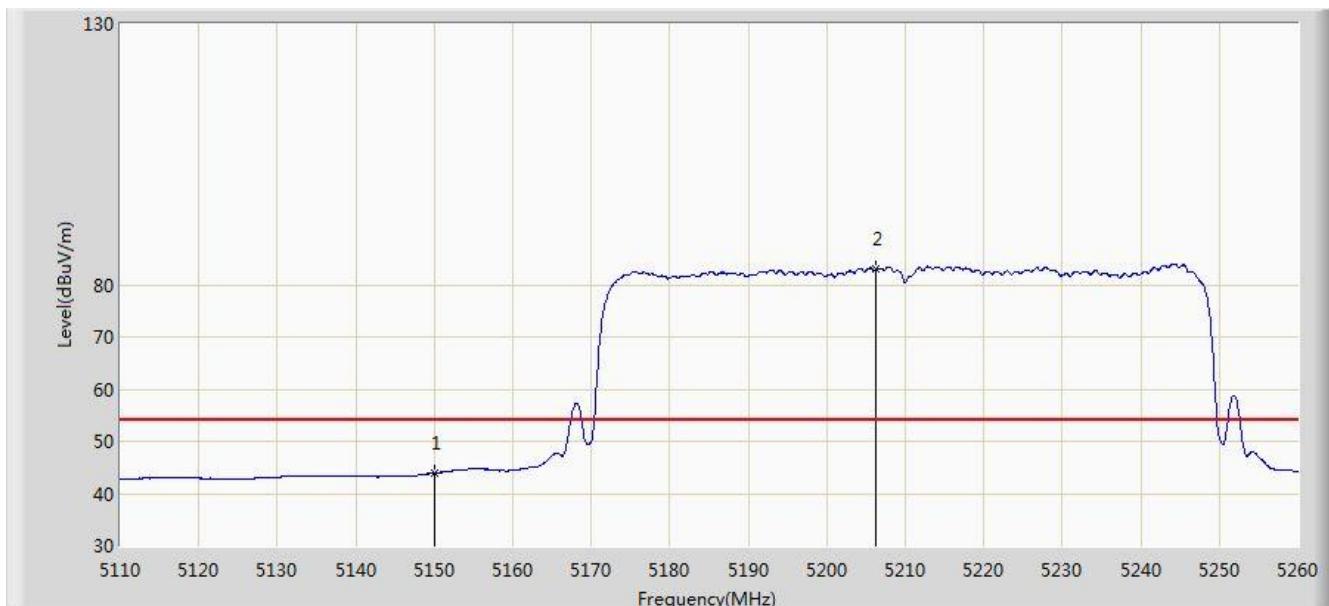


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5149.450	59.525	56.454	-14.475	74.000	3.071	PK
2			5150.000	59.908	56.838	-14.092	74.000	3.069	PK
3	*		5174.275	95.441	92.420	N/A	N/A	3.021	PK

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

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

Site: AC1	Time: 2017/09/14 - 02:48
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 + 2 + 3	

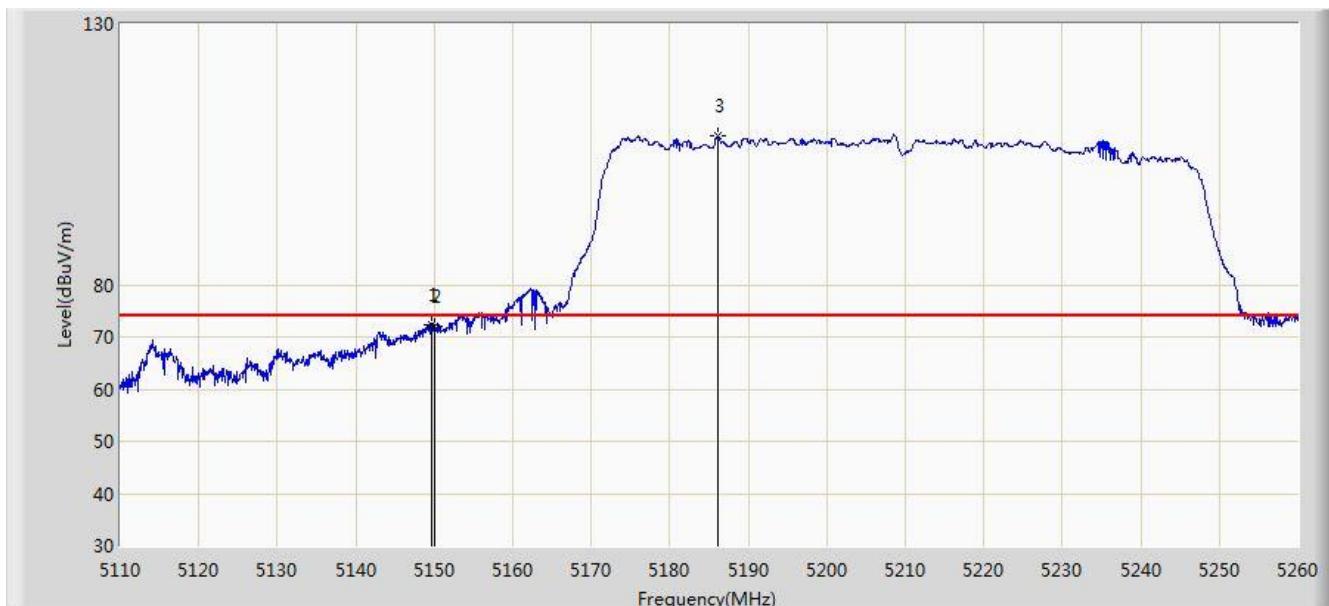


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	43.889	40.819	-10.111	54.000	3.069	AV
2		*	5206.150	82.973	80.178	N/A	N/A	2.795	AV

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

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

Site: AC1	Time: 2017/09/14 - 02:43
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 + 2 + 3	

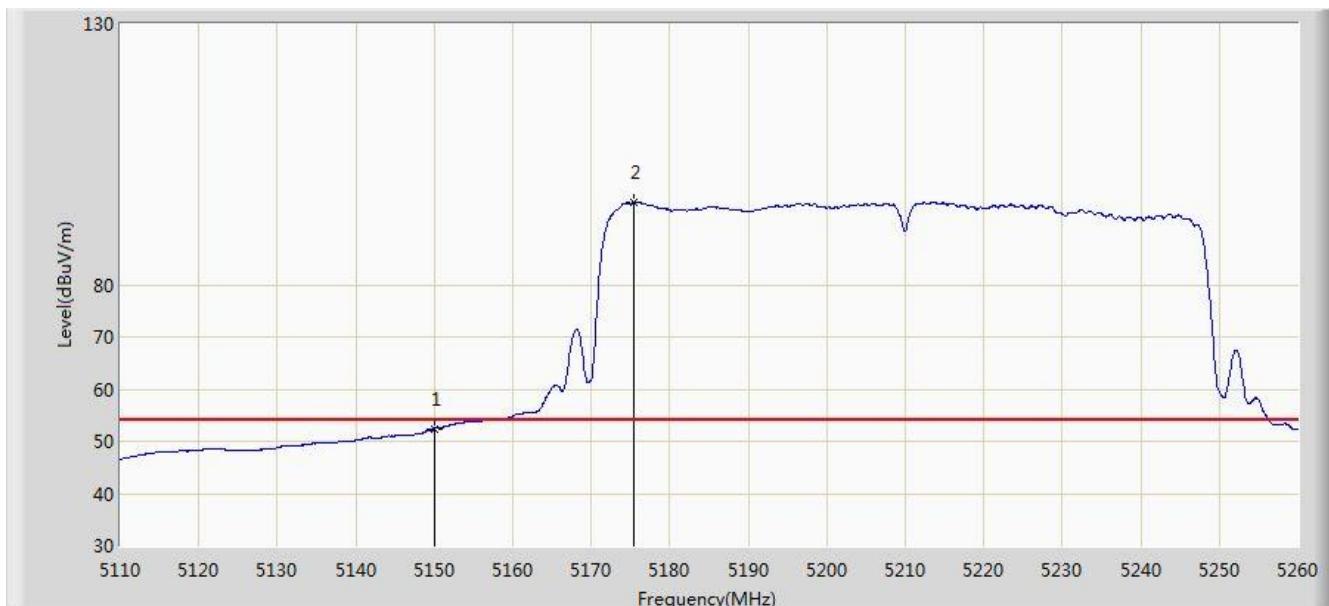


No	Flag	Mark	Frequency (MHz)	Measure Level (dB μ V/m)	Reading Level (dB μ V)	Over Limit (dB)	Limit (dB μ V/m)	Factor (dB)	Type
1			5149.750	72.434	69.364	-1.566	74.000	3.070	PK
2			5150.000	72.085	69.015	-1.915	74.000	3.069	PK
3	*		5186.125	108.430	105.430	N/A	N/A	3.000	PK

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

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

Site: AC1	Time: 2017/09/14 - 02:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5210MHz Ant 0 + 1 + 2 + 3	

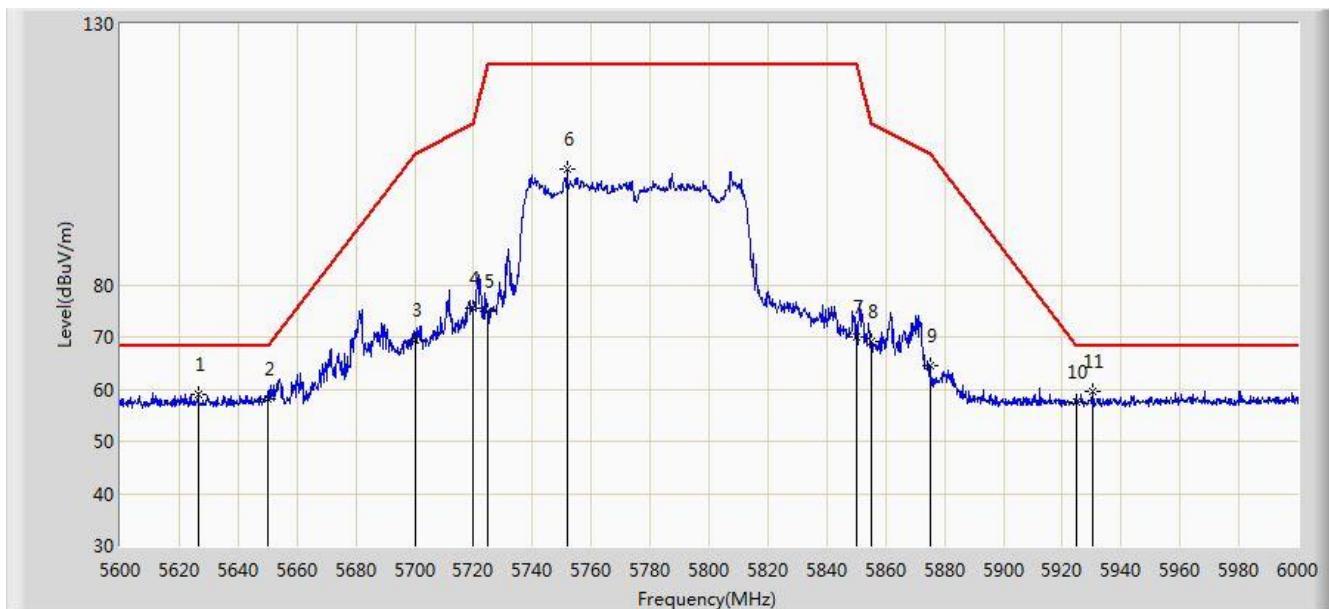


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.430	49.360	-1.570	54.000	3.069	AV
2		*	5175.475	95.691	92.666	N/A	N/A	3.026	AV

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

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

Site: AC1	Time: 2017/09/14 - 03:39
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0 + 1 + 2 + 3	

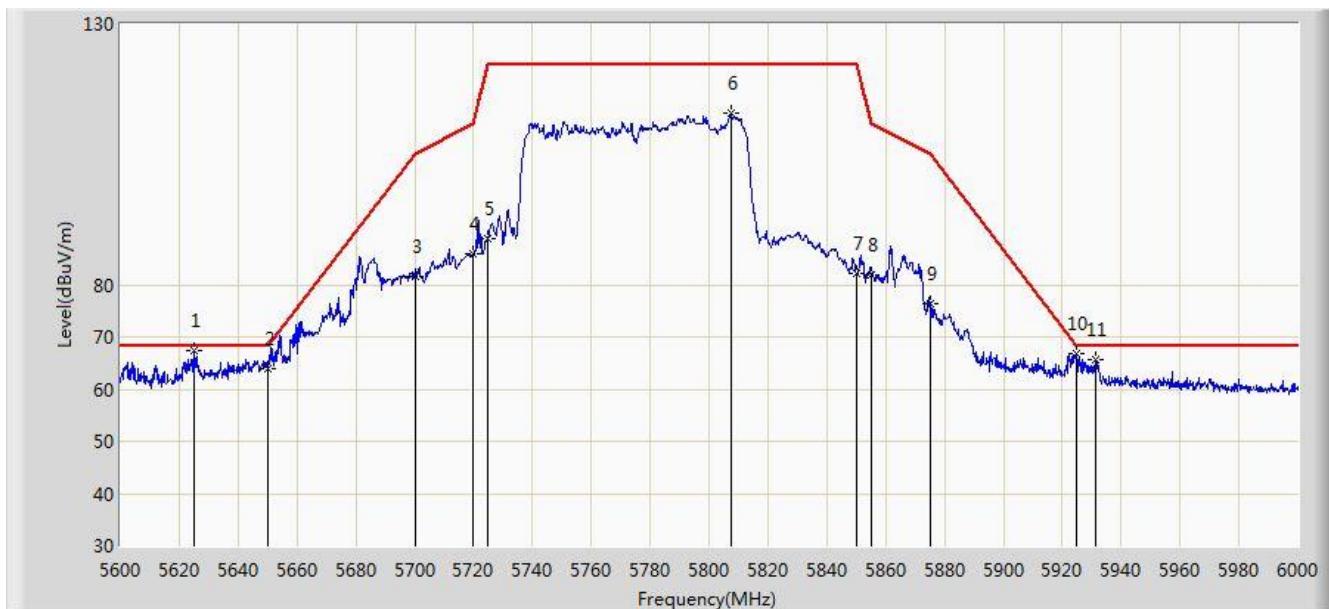


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5626.400	59.076	55.512	-9.124	68.200	3.564	PK
2			5650.000	57.975	54.172	-10.225	68.200	3.803	PK
3			5700.000	69.515	65.575	-35.685	105.200	3.940	PK
4			5720.000	75.464	71.482	-35.336	110.800	3.982	PK
5			5725.000	74.993	70.887	-47.207	122.200	4.105	PK
6			5751.800	102.091	97.793	N/A	N/A	4.298	PK
7			5850.000	70.100	65.105	-52.100	122.200	4.995	PK
8			5855.000	69.059	64.071	-41.741	110.800	4.987	PK
9			5875.000	64.462	59.455	-40.738	105.200	5.008	PK
10			5925.000	57.513	52.361	-10.687	68.200	5.152	PK
11	*		5930.200	59.543	54.347	-8.657	68.200	5.196	PK

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

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

Site: AC1	Time: 2017/09/14 - 03:38
Limit: FCC_Part15.407_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at channel 5775MHz Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5625.200	67.334	63.765	-0.866	68.200	3.569	PK
2			5650.000	63.862	60.059	-4.338	68.200	3.803	PK
3			5700.000	81.481	77.541	-23.719	105.200	3.940	PK
4			5720.000	85.851	81.869	-24.949	110.800	3.982	PK
5			5725.000	88.880	84.774	-33.320	122.200	4.105	PK
6			5807.400	112.808	108.149	N/A	N/A	4.659	PK
7			5850.000	82.089	77.094	-40.111	122.200	4.995	PK
8			5855.000	81.963	76.975	-28.837	110.800	4.987	PK
9			5875.000	76.483	71.476	-28.717	105.200	5.008	PK
10			5925.000	66.833	61.681	-1.367	68.200	5.152	PK
11			5931.200	65.712	60.519	-2.488	68.200	5.193	PK

Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + 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.

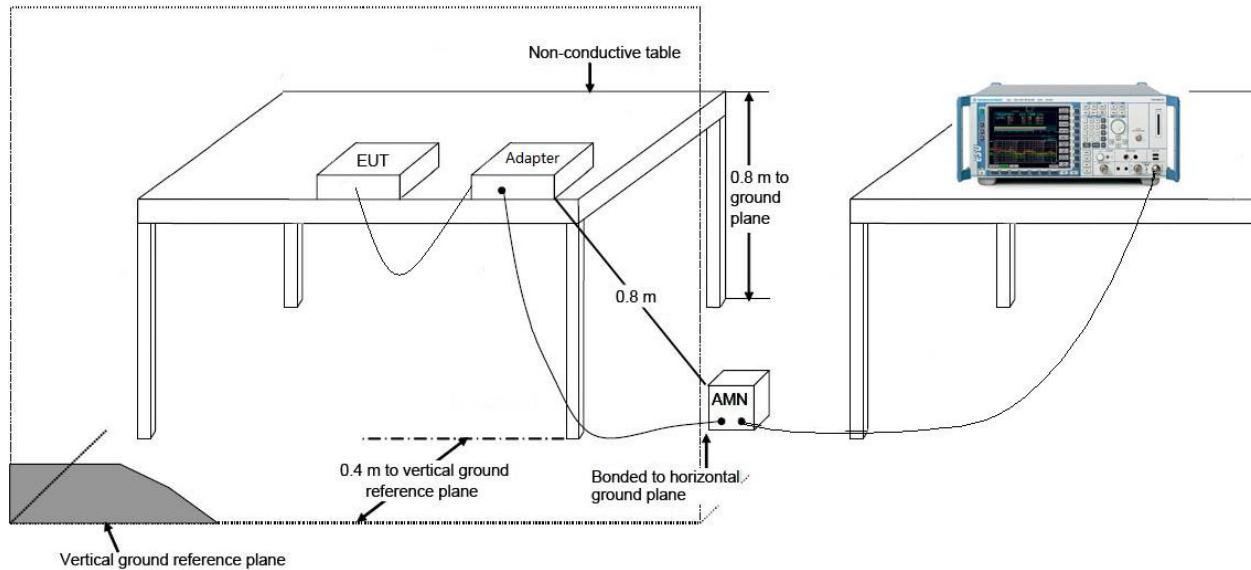
7.10.2. Test Procedure

The EUT was setup according to ANSI C63.4, 2009 and tested according to KDB 789033 for compliance to FCC 47CFR 15.247 requirements. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

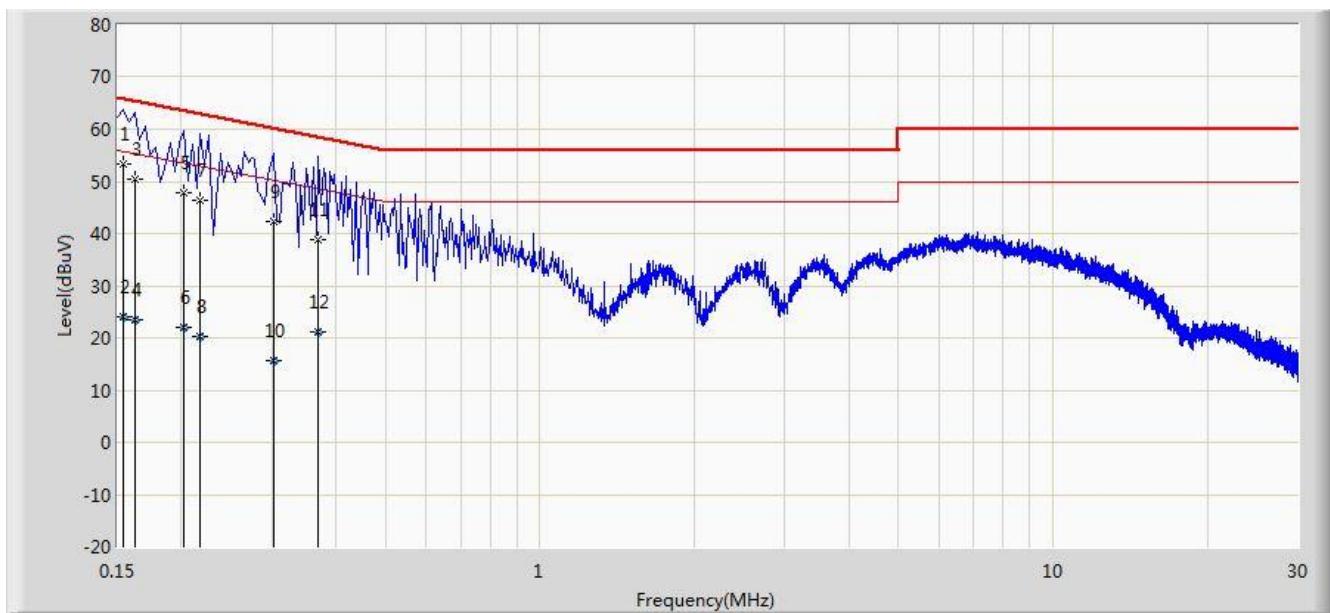
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

7.10.3. Test Setup



7.10.4. Test Result

Site: SR2	Time: 2017/09/27 - 19:51
Limit: FCC_Part15.207_CE	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Mode 1	

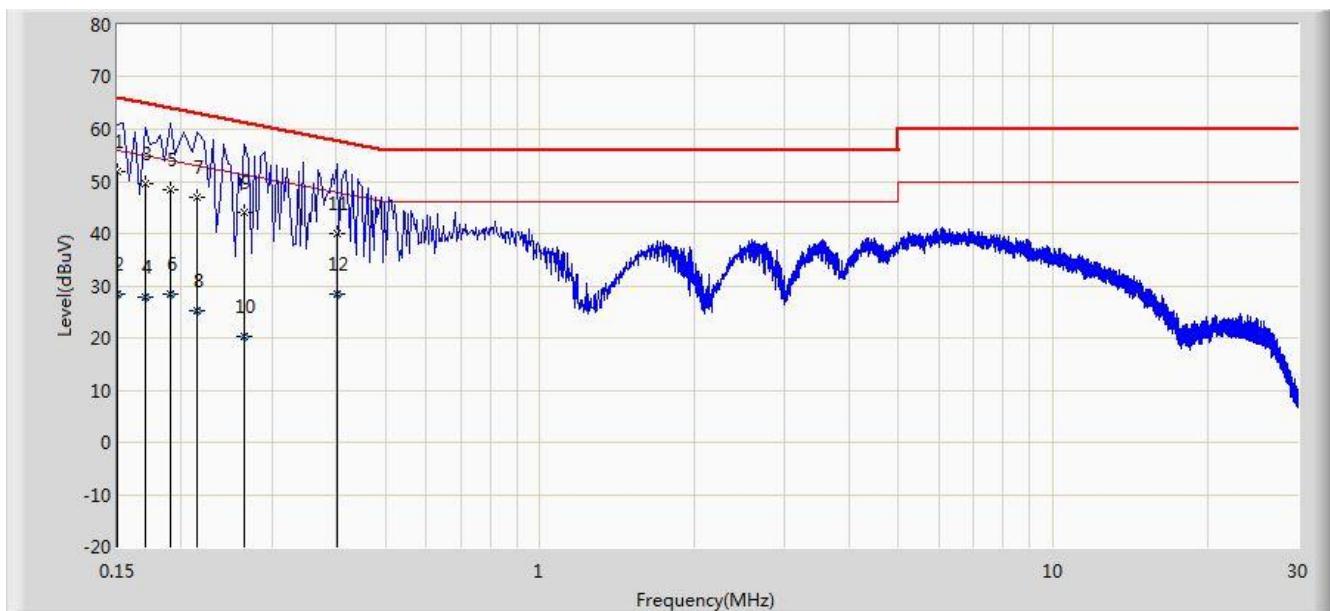


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.154	53.423	42.684	-12.358	65.781	10.740	QP
2			0.154	24.151	13.412	-31.630	55.781	10.740	AV
3			0.162	50.400	40.303	-14.961	65.361	10.097	QP
4			0.162	23.489	13.392	-31.872	55.361	10.097	AV
5			0.202	47.810	37.817	-15.718	63.528	9.993	QP
6			0.202	21.889	11.897	-31.638	53.528	9.993	AV
7			0.218	46.288	36.343	-16.607	62.895	9.945	QP
8			0.218	20.334	10.389	-32.561	52.895	9.945	AV
9			0.302	42.229	32.224	-17.958	60.188	10.006	QP
10			0.302	15.700	5.695	-34.487	50.188	10.006	AV
11			0.370	38.893	28.832	-19.608	58.501	10.061	QP
12			0.370	21.042	10.981	-27.459	48.501	10.061	AV

Note: Measure Level (dB μ V) = Reading Level (dB μ V) + Factor (dB)

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

Site: SR2	Time: 2017/09/27 - 19:55
Limit: FCC_Part15.207_CE	Engineer: Roy Cheng
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: 804Mesh Dual Wi-Fi	Power: AC 120V/60Hz
Test Mode: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.150	51.799	40.657	-14.201	66.000	11.142	QP
2			0.150	28.299	17.157	-27.701	56.000	11.142	AV
3			0.170	49.512	39.448	-15.449	64.960	10.064	QP
4			0.170	27.713	17.649	-27.248	54.960	10.064	AV
5			0.190	48.424	38.396	-15.613	64.037	10.028	QP
6			0.190	28.293	18.265	-25.743	54.037	10.028	AV
7			0.214	46.826	36.838	-16.222	63.049	9.988	QP
8			0.214	25.087	15.100	-27.961	53.049	9.988	AV
9			0.266	44.040	34.027	-17.202	61.242	10.013	QP
10			0.266	20.181	10.169	-31.060	51.242	10.013	AV
11			0.402	40.032	29.918	-17.780	57.812	10.114	QP
12			0.402	28.496	18.382	-19.316	47.812	10.114	AV

Note: Measure Level (dB μ V) = Reading Level (dB μ V) + 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 **804Mesh Dual Wi-Fi** is in compliance with Part 15E of the FCC Rules.

The End
