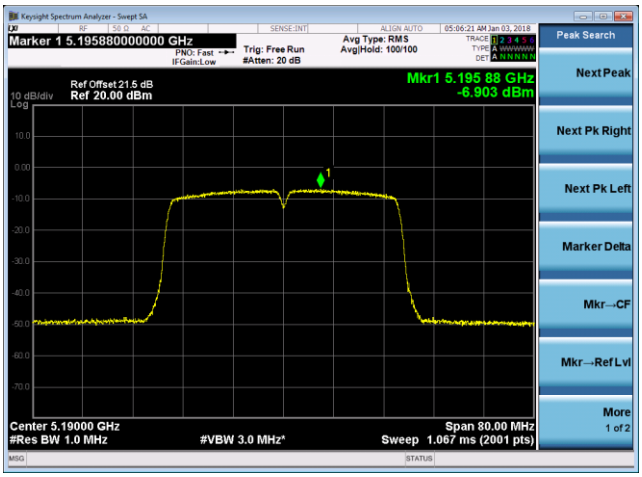
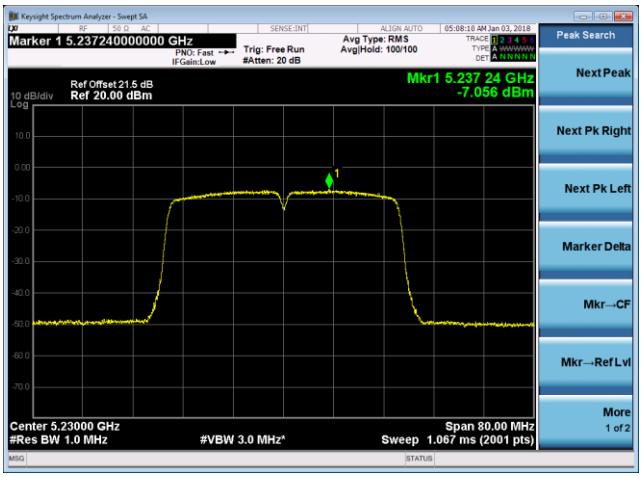
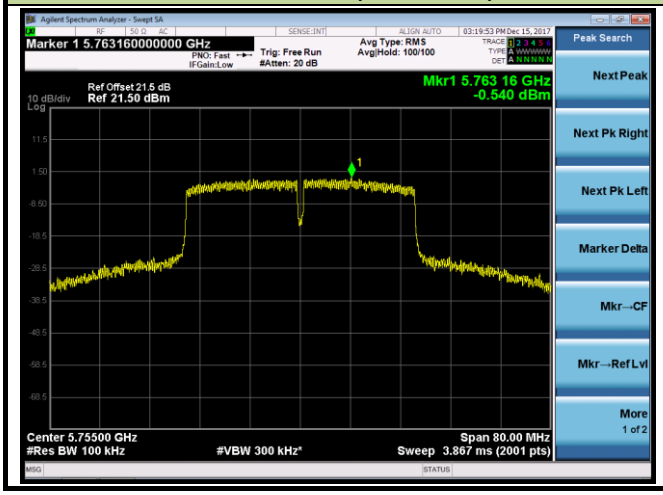
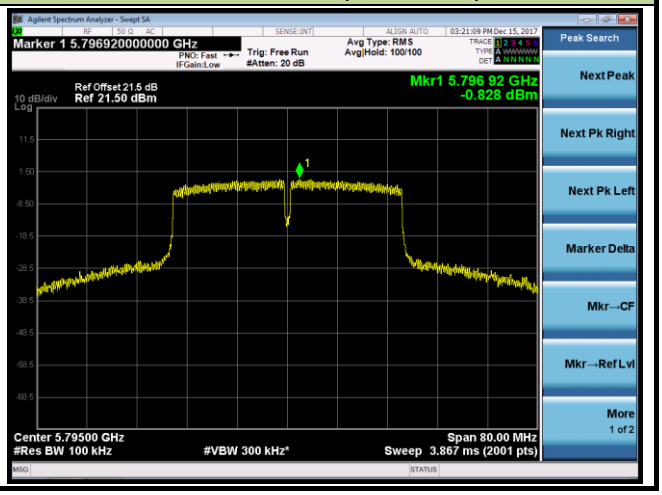
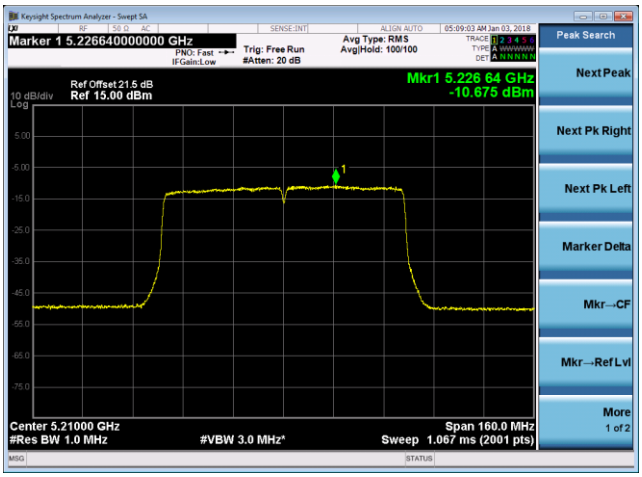
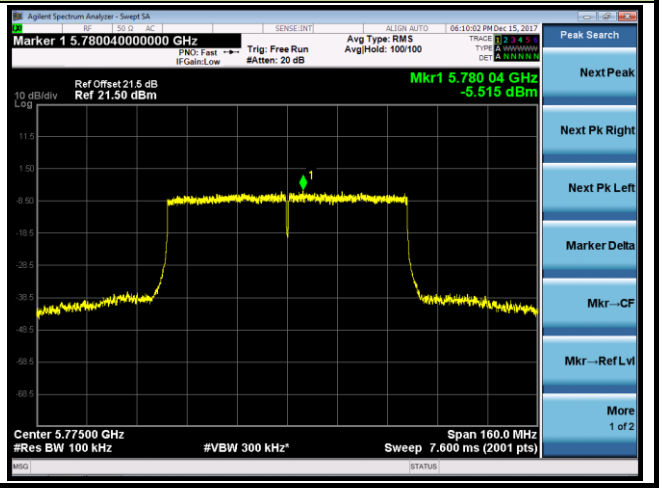
802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 (Beam-Forming Mode)	
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:

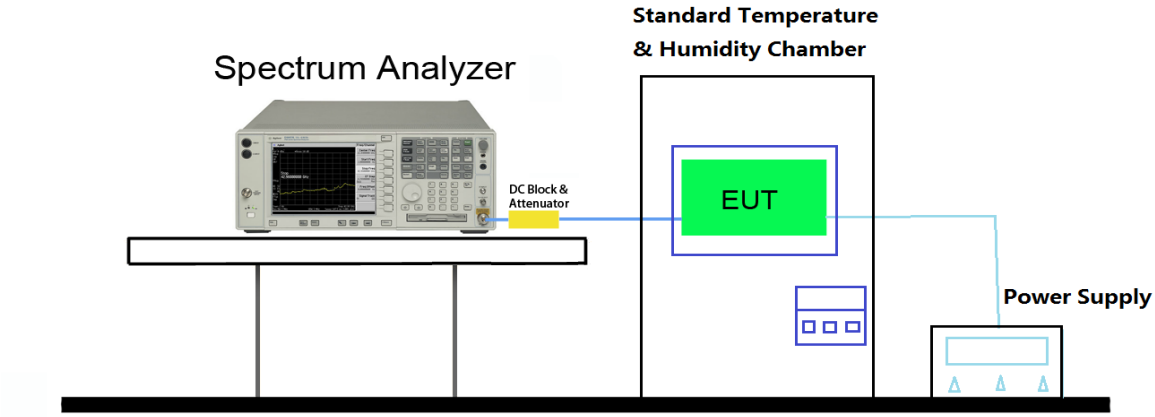
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain 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 (±15%) and endpoint, recordthe maximum frequency change.

7.7.3.Test Setup



7.7.4.Test Result

Test Engineer	Kevin Ker	Temperature	-30 ~ 50°C
Test Time	2017/12/02	Relative Humidity	48 ~ 55%RH
Test Mode	5180MHz (Carrier Mode)	Test Site	SR2

Voltage (%)	Power (VAC)	Temp (°C)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 30	-3.20	-3.59	-5.18	-5.91
		- 20	-3.91	-4.29	-5.26	-5.60
		- 10	-4.54	-4.93	-5.66	-5.97
		0	-4.98	-5.69	-6.83	-6.56
		+ 10	-5.68	-6.35	-7.81	-7.74
		+ 20 (Ref)	-5.90	-6.29	-8.16	-8.70
		+ 30	-6.57	-7.48	-8.36	-8.82
		+ 40	-7.06	-8.02	-8.77	-9.63
		+ 50	-7.55	-8.44	-8.88	-9.19
115%	138	+ 20	-6.73	-6.86	-8.69	-8.62
85%	102	+ 20	-5.56	-6.46	-8.17	-8.73

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

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

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

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

7.8.3.Test Setting

Quasi-Peak& Average Measurements below30MHz

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

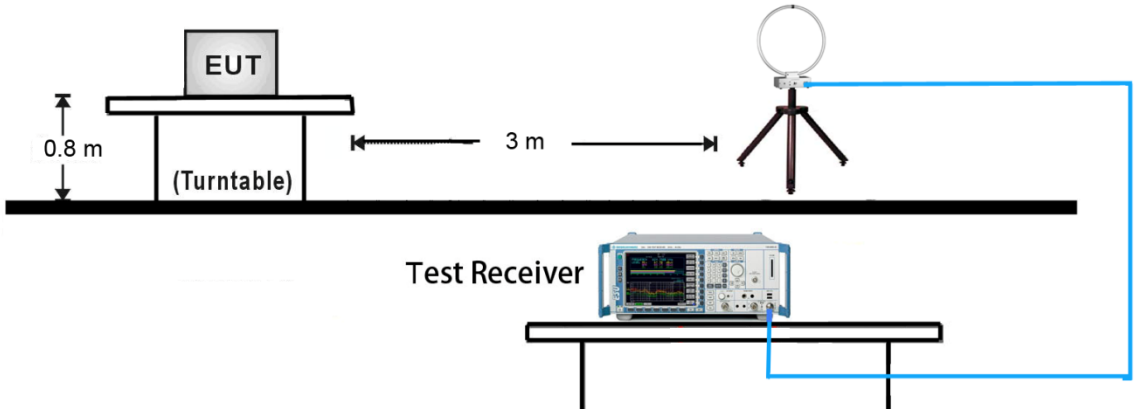
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

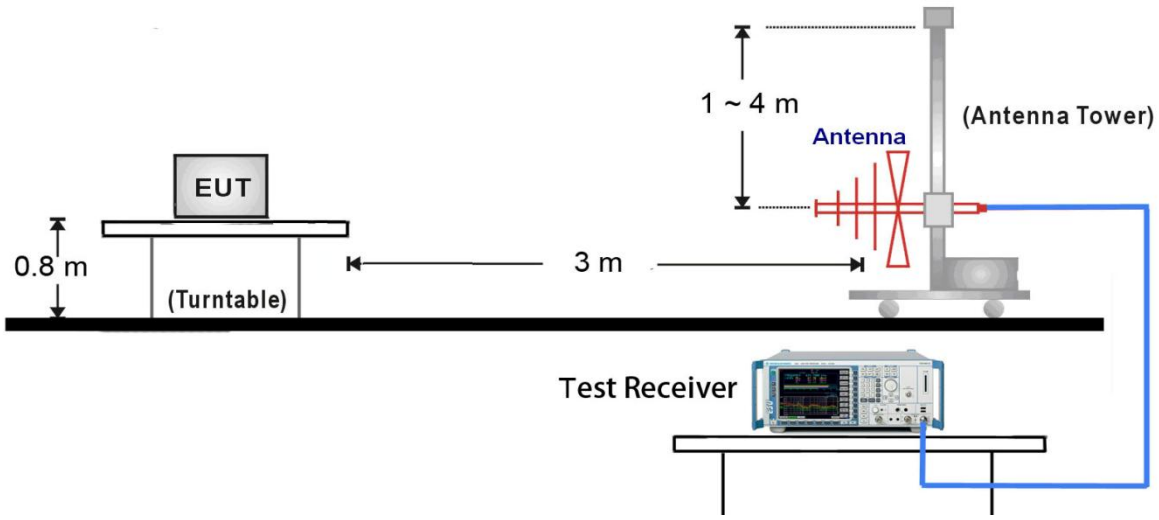
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100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

7.8.4.Test Setup

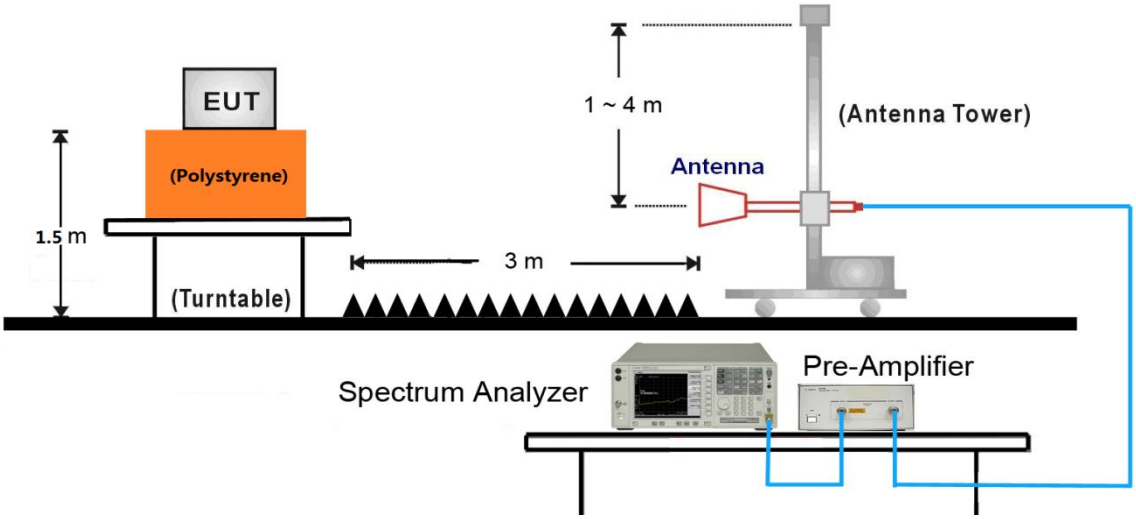
9kHz ~30MHz Test Setup:



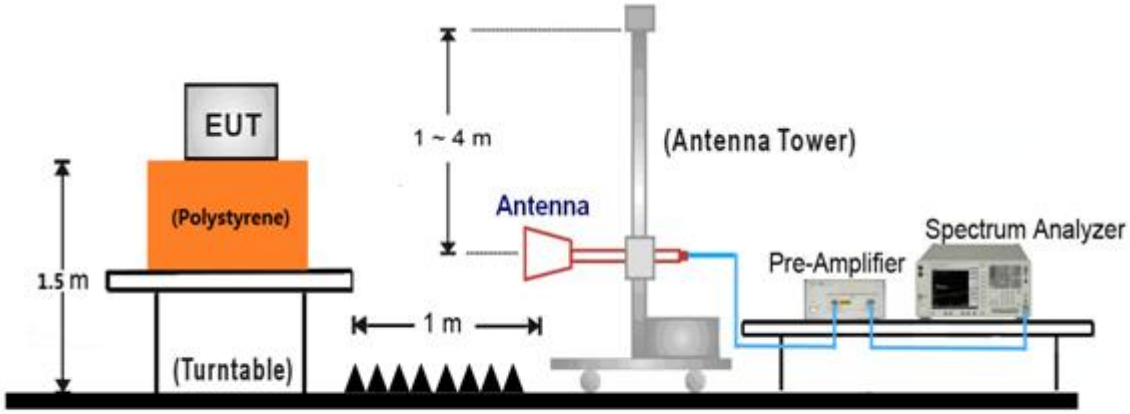
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.8.5.Test Result

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	31.8	11.9	43.7	74.0	-30.3	Peak	Horizontal
	9474.5	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
*	10341.5	30.6	16.7	47.3	68.2	-20.9	Peak	Horizontal
*	12857.5	29.2	19.3	48.5	68.2	-19.7	Peak	Horizontal
	8327.0	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
	9347.0	30.5	14.5	45.0	74.0	-29.0	Peak	Vertical
*	10103.5	31.6	15.7	47.3	68.2	-20.9	Peak	Vertical
*	12857.5	29.2	19.3	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8327.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
	9355.5	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
*	10103.5	32.3	15.7	48.0	68.2	-20.2	Peak	Horizontal
*	12900.0	28.8	19.5	48.3	68.2	-19.9	Peak	Horizontal
	8463.0	32.0	12.6	44.6	74.0	-29.4	Peak	Vertical
	9432.0	30.3	14.4	44.7	74.0	-29.3	Peak	Vertical
*	10409.5	29.4	17.0	46.4	68.2	-21.8	Peak	Vertical
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8318.5	30.9	11.9	42.8	74.0	-31.2	Peak	Horizontal
	9109.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
*	10316.0	32.2	16.7	48.9	68.2	-19.3	Peak	Horizontal
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Horizontal
	8318.5	30.9	11.9	42.8	74.0	-31.2	Peak	Vertical
	9304.5	31.3	14.7	46.0	74.0	-28.0	Peak	Vertical
*	10324.5	30.0	16.7	46.7	68.2	-21.5	Peak	Vertical
*	12908.5	28.3	19.5	47.8	68.2	-20.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9134.5	30.6	14.6	45.2	74.0	-28.8	Peak	Horizontal
	11497.5	36.0	19.3	55.3	74.0	-18.7	Peak	Horizontal
	11491.0	26.1	19.3	45.4	54.0	-8.6	Average	Horizontal
*	12849.0	28.7	19.2	47.9	68.2	-20.3	Peak	Horizontal
*	13563.0	29.6	21.8	51.4	68.2	-16.8	Peak	Horizontal
	9049.5	30.8	14.2	45.0	74.0	-29.0	Peak	Vertical
	11488.2	41.2	19.3	60.5	74.0	-13.5	Peak	Vertical
	11488.2	31.5	19.3	50.8	54.0	-3.2	Average	Vertical
*	12730.0	28.5	18.8	47.3	68.2	-20.9	Peak	Vertical
*	13648.0	28.9	21.8	50.7	68.2	-17.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9457.5	32.3	14.4	46.7	74.0	-27.3	Peak	Horizontal
	11570.0	36.9	19.5	56.4	74.0	-17.6	Peak	Horizontal
	11570.0	23.8	19.5	43.3	54.0	-10.7	Average	Horizontal
*	13129.5	28.8	20.1	48.9	68.2	-19.3	Peak	Horizontal
*	13809.5	29.4	22.1	51.5	68.2	-16.7	Peak	Horizontal
	9432.0	31.1	14.4	45.5	74.0	-28.5	Peak	Vertical
	11568.5	38.0	19.5	57.5	74.0	-16.5	Peak	Vertical
	11568.5	27.2	19.5	46.7	54.0	-7.3	Average	Vertical
*	12951.0	29.4	19.7	49.1	68.2	-19.1	Peak	Vertical
*	13495.0	28.6	21.7	50.3	68.2	-17.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9474.5	32.1	14.4	46.5	74.0	-27.5	Peak	Horizontal
	11649.7	33.9	19.3	53.2	74.0	-20.8	Peak	Horizontal
	11649.7	23.9	19.3	43.2	54.0	-10.8	Average	Horizontal
*	12849.0	29.2	19.2	48.4	68.2	-19.8	Peak	Horizontal
*	13639.5	28.8	21.8	50.6	68.2	-17.6	Peak	Horizontal
	9304.5	32.2	14.7	46.9	74.0	-27.1	Peak	Vertical
	11649.7	35.1	19.3	54.4	74.0	-19.6	Peak	Vertical
	11649.7	25.2	19.3	44.5	54.0	-9.5	Average	Vertical
*	12772.5	29.9	19.0	48.9	68.2	-19.3	Peak	Vertical
*	13427.0	29.8	21.5	51.3	68.2	-16.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8199.5	31.5	12.0	43.5	74.0	-30.5	Peak	Horizontal
	9432.0	29.8	14.4	44.2	74.0	-29.8	Peak	Horizontal
*	12849.0	30.2	19.2	49.4	68.2	-18.8	Peak	Horizontal
*	13580.0	29.7	21.8	51.5	68.2	-16.7	Peak	Horizontal
	7392.0	32.8	12.6	45.4	74.0	-28.6	Peak	Vertical
	8199.5	30.6	12.0	42.6	74.0	-31.4	Peak	Vertical
*	9602.0	30.8	14.4	45.2	68.2	-23.0	Peak	Vertical
*	12781.0	28.7	19.0	47.7	68.2	-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 dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7570.5	32.1	12.8	44.9	74.0	-29.1	Peak	Horizontal
	8429.0	31.8	12.4	44.2	74.0	-29.8	Peak	Horizontal
*	9857.0	31.5	16.2	47.7	68.2	-20.5	Peak	Horizontal
*	12781.0	28.7	19.0	47.7	68.2	-20.5	Peak	Horizontal
	7570.5	32.1	12.8	44.9	74.0	-29.1	Peak	Vertical
	8386.5	31.2	12.1	43.3	74.0	-30.7	Peak	Vertical
*	9899.5	30.1	15.4	45.5	68.2	-22.7	Peak	Vertical
*	12798.0	30.6	19.1	49.7	68.2	-18.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7358.0	32.8	12.4	45.2	74.0	-28.8	Peak	Horizontal
	8276.0	31.4	11.9	43.3	74.0	-30.7	Peak	Horizontal
*	10078.0	30.3	15.6	45.9	68.2	-22.3	Peak	Horizontal
*	13027.5	29.1	19.9	49.0	68.2	-19.2	Peak	Horizontal
	7349.5	33.0	12.4	45.4	74.0	-28.6	Peak	Vertical
	8352.5	32.0	12.0	44.0	74.0	-30.0	Peak	Vertical
*	10273.5	30.9	16.5	47.4	68.2	-20.8	Peak	Vertical
*	13027.5	29.1	19.9	49.0	68.2	-19.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9432.0	31.8	14.4	46.2	74.0	-27.8	Peak	Horizontal
	11490.1	36.9	19.3	56.2	74.0	-17.8	Peak	Horizontal
	11490.1	25.7	19.3	45.0	54.0	-9.0	Average	Horizontal
*	12891.5	30.1	19.4	49.5	68.2	-18.7	Peak	Horizontal
*	13605.5	29.4	21.8	51.2	68.2	-17.0	Peak	Horizontal
	9491.5	31.8	14.4	46.2	74.0	-27.8	Peak	Vertical
	11490.2	40.8	19.3	60.1	74.0	-13.9	Peak	Vertical
	11490.2	30.8	19.3	50.1	54.0	-3.9	Average	Vertical
*	12806.5	28.6	19.1	47.7	68.2	-20.5	Peak	Vertical
*	13427.0	29.4	21.5	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9109.0	31.7	14.5	46.2	74.0	-27.8	Peak	Horizontal
	11569.1	34.0	19.5	53.5	74.0	-20.5	Peak	Horizontal
	11569.1	23.4	19.5	42.9	54.0	-11.1	Average	Horizontal
*	12806.5	29.5	19.1	48.6	68.2	-19.6	Peak	Horizontal
*	13546.0	29.2	21.9	51.1	68.2	-17.1	Peak	Horizontal
	9041.0	32.8	14.2	47.0	74.0	-27.0	Peak	Vertical
	11569.7	38.0	19.5	57.5	74.0	-16.5	Peak	Vertical
	11569.7	26.5	19.5	46.0	54.0	-8.0	Average	Vertical
*	12908.5	29.1	19.5	48.6	68.2	-19.6	Peak	Vertical
*	13733.0	28.9	22.0	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9474.5	31.7	14.4	46.1	74.0	-27.9	Peak	Horizontal
	11650.5	32.5	19.3	51.8	74.0	-22.2	Peak	Horizontal
*	12840.5	29.3	19.2	48.5	68.2	-19.7	Peak	Horizontal
*	13563.0	28.4	21.8	50.2	68.2	-18.0	Peak	Horizontal
	8488.5	32.3	12.7	45.0	74.0	-29.0	Peak	Vertical
	11647.2	37.5	19.3	56.8	74.0	-17.2	Peak	Vertical
	11647.2	26.0	19.3	45.3	54.0	-8.7	Average	Vertical
*	12755.5	29.3	18.9	48.2	68.2	-20.0	Peak	Vertical
*	13452.5	28.5	21.6	50.1	68.2	-18.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	31.8	12.0	43.8	74.0	-30.2	Peak	Horizontal
	9338.5	30.0	14.6	44.6	74.0	-29.4	Peak	Horizontal
*	10239.5	31.1	16.4	47.5	68.2	-20.7	Peak	Horizontal
*	12738.5	28.8	18.9	47.7	68.2	-20.5	Peak	Horizontal
	7553.5	32.8	12.8	45.6	74.0	-28.4	Peak	Vertical
	8276.0	30.4	11.9	42.3	74.0	-31.7	Peak	Vertical
*	9746.5	30.6	14.8	45.4	68.2	-22.8	Peak	Vertical
*	12730.0	29.0	18.8	47.8	68.2	-20.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.9	12.8	44.7	74.0	-29.3	Peak	Horizontal
	8446.0	31.5	12.5	44.0	74.0	-30.0	Peak	Horizontal
*	9959.0	30.3	15.3	45.6	68.2	-22.6	Peak	Horizontal
*	12730.0	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
	7434.5	32.5	12.7	45.2	74.0	-28.8	Peak	Vertical
	8352.5	31.1	12.0	43.1	74.0	-30.9	Peak	Vertical
*	9942.0	29.8	15.3	45.1	68.2	-23.1	Peak	Vertical
*	12747.0	30.1	18.9	49.0	68.2	-19.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9389.5	30.1	14.5	44.6	74.0	-29.4	Peak	Horizontal
	11510.1	34.6	19.3	53.9	74.0	-20.1	Peak	Horizontal
	11510.1	22.4	19.4	41.8	54.0	-12.2	Average	Horizontal
*	12789.5	30.7	19.0	49.7	68.2	-18.5	Peak	Horizontal
*	13665.0	29.2	21.9	51.1	68.2	-17.1	Peak	Horizontal
	9491.5	31.5	14.4	45.9	74.0	-28.1	Peak	Vertical
	11510.1	37.4	19.3	56.7	74.0	-17.3	Peak	Vertical
	11510.1	27.8	19.4	47.2	54.0	-6.8	Average	Vertical
*	12883.0	29.3	19.4	48.7	68.2	-19.5	Peak	Vertical
*	13554.5	29.0	21.9	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 0	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9364.0	31.8	14.5	46.3	74.0	-27.7	Peak	Horizontal
	11599.5	32.6	19.4	52.0	74.0	-22.0	Peak	Horizontal
*	13053.0	29.0	20.0	49.0	68.2	-19.2	Peak	Horizontal
*	13554.5	29.6	21.9	51.5	68.2	-16.7	Peak	Horizontal
	9364.0	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	11590.2	33.8	19.5	53.3	74.0	-20.7	Peak	Vertical
	11590.2	22.8	19.5	42.3	54.0	-11.7	Average	Vertical
*	12730.0	29.0	18.8	47.8	68.2	-20.4	Peak	Vertical
*	13639.5	29.2	21.8	51.0	68.2	-17.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7638.5	34.5	12.6	47.1	74.0	-26.9	Peak	Horizontal
	9117.5	31.4	14.5	45.9	74.0	-28.1	Peak	Horizontal
*	10392.5	30.0	16.9	46.9	68.2	-21.3	Peak	Horizontal
*	12968.0	30.6	19.8	50.4	68.2	-17.8	Peak	Horizontal
	7434.5	32.0	12.7	44.7	74.0	-29.3	Peak	Vertical
	9049.5	30.4	14.2	44.6	74.0	-29.4	Peak	Vertical
*	10120.5	31.8	15.8	47.6	68.2	-20.6	Peak	Vertical
*	12968.0	30.6	19.8	50.4	68.2	-17.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.0	12.7	44.7	74.0	-29.3	Peak	Horizontal
	9049.5	30.5	14.2	44.7	74.0	-29.3	Peak	Horizontal
*	10494.5	30.5	17.2	47.7	68.2	-20.5	Peak	Horizontal
*	12738.5	30.0	18.9	48.9	68.2	-19.3	Peak	Horizontal
	7366.5	31.2	12.5	43.7	74.0	-30.3	Peak	Vertical
	8284.5	32.7	11.9	44.6	74.0	-29.4	Peak	Vertical
*	10061.0	32.7	15.6	48.3	68.2	-19.9	Peak	Vertical
*	12738.5	30.0	18.9	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	31.2	12.5	43.7	74.0	-30.3	Peak	Horizontal
	8259.0	31.0	11.9	42.9	74.0	-31.1	Peak	Horizontal
*	9984.5	30.6	15.4	46.0	68.2	-22.2	Peak	Horizontal
*	12815.0	28.4	19.1	47.5	68.2	-20.7	Peak	Horizontal
	7494.0	32.6	12.8	45.4	74.0	-28.6	Peak	Vertical
	8276.0	31.4	11.9	43.3	74.0	-30.7	Peak	Vertical
*	9789.0	32.9	15.0	47.9	68.2	-20.3	Peak	Vertical
*	12815.0	28.4	19.1	47.5	68.2	-20.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9304.5	33.1	14.7	47.8	74.0	-26.2	Peak	Horizontal
	11489.6	37.7	19.3	57.0	74.0	-17.0	Peak	Horizontal
	11489.6	25.7	19.3	45.0	54.0	-9.0	Average	Horizontal
*	12755.5	30.4	18.9	49.3	68.2	-18.9	Peak	Horizontal
*	13605.5	30.0	21.8	51.8	68.2	-16.4	Peak	Horizontal
	9304.5	33.1	14.7	47.8	74.0	-26.2	Peak	Vertical
	11489.2	42.5	19.3	61.8	74.0	-12.2	Peak	Vertical
	11489.2	31.5	19.3	50.8	54.0	-3.2	Average	Vertical
*	12730.0	29.2	18.8	48.0	68.2	-20.2	Peak	Vertical
*	13860.5	30.1	22.3	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9151.5	32.0	14.7	46.7	74.0	-27.3	Peak	Horizontal
	11569.8	34.4	19.5	53.9	74.0	-20.1	Peak	Horizontal
	11569.8	23.5	19.5	43.0	54.0	-11.0	Average	Horizontal
*	12866.0	30.1	19.3	49.4	68.2	-18.8	Peak	Horizontal
*	13605.5	29.7	21.8	51.5	68.2	-16.7	Peak	Horizontal
	9185.5	31.5	14.7	46.2	74.0	-27.8	Peak	Vertical
	11568.3	38.1	19.5	57.6	74.0	-16.4	Peak	Vertical
	11568.3	26.9	19.5	46.4	54.0	-7.6	Average	Vertical
*	12900.0	29.3	19.5	48.8	68.2	-19.4	Peak	Vertical
*	13801.0	29.5	22.1	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 0	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9177.0	31.1	14.7	45.8	74.0	-28.2	Peak	Horizontal
	11649.2	33.4	19.3	52.7	74.0	-21.3	Peak	Horizontal
	11649.2	22.8	19.3	42.1	54.0	-11.9	Average	Horizontal
*	12840.5	29.7	19.2	48.9	68.2	-19.3	Peak	Horizontal
*	13801.0	29.5	22.1	51.6	68.2	-16.6	Peak	Horizontal
	9177.0	31.1	14.7	45.8	74.0	-28.2	Peak	Vertical
	11649.2	36.7	19.3	56.0	74.0	-18.0	Peak	Vertical
	11649.2	26.7	19.3	46.0	54.0	-8.0	Average	Vertical
*	12925.5	29.8	19.6	49.4	68.2	-18.8	Peak	Vertical
*	13486.5	28.9	21.7	50.6	68.2	-17.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7366.5	31.6	12.5	44.1	74.0	-29.9	Peak	Horizontal
	8420.5	31.0	12.3	43.3	74.0	-30.7	Peak	Horizontal
*	9967.5	30.5	15.3	45.8	68.2	-22.4	Peak	Horizontal
*	12866.0	29.2	19.3	48.5	68.2	-19.7	Peak	Horizontal
	7434.5	30.9	12.7	43.6	74.0	-30.4	Peak	Vertical
	8199.5	30.5	12.0	42.5	74.0	-31.5	Peak	Vertical
*	9950.5	32.8	15.3	48.1	68.2	-20.1	Peak	Vertical
*	12866.0	29.2	19.3	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	30.9	12.7	43.6	74.0	-30.4	Peak	Horizontal
	8369.5	32.3	12.1	44.4	74.0	-29.6	Peak	Horizontal
*	9661.5	31.0	14.5	45.5	68.2	-22.7	Peak	Horizontal
*	12832.0	29.6	19.2	48.8	68.2	-19.4	Peak	Horizontal
	7553.5	33.5	12.8	46.3	74.0	-27.7	Peak	Vertical
	8276.0	31.4	11.9	43.3	74.0	-30.7	Peak	Vertical
*	9738.0	31.2	14.8	46.0	68.2	-22.2	Peak	Vertical
*	12951.0	28.8	19.7	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9177.0	31.2	14.7	45.9	74.0	-28.1	Peak	Horizontal
	11514.5	32.9	19.4	52.3	74.0	-21.7	Peak	Horizontal
*	12866.0	28.9	19.3	48.2	68.2	-20.0	Peak	Horizontal
*	13682.0	29.4	21.9	51.3	68.2	-16.9	Peak	Horizontal
	8284.5	32.3	11.9	44.2	74.0	-29.8	Peak	Vertical
	11509.8	37.3	19.4	56.7	74.0	-17.3	Peak	Vertical
	11509.8	28.1	19.4	47.5	54.0	-6.5	Average	Vertical
*	12840.5	28.6	19.2	47.8	68.2	-20.4	Peak	Vertical
*	13486.5	28.9	21.7	50.6	68.2	-17.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 0	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7919.0	31.5	12.4	43.9	68.2	-24.3	Peak	Horizontal
*	8735.0	29.8	13.9	43.7	68.2	-24.5	Peak	Horizontal
	9389.5	30.4	14.5	44.9	74.0	-29.1	Peak	Horizontal
	10877.0	28.9	18.2	47.1	74.0	-26.9	Peak	Horizontal
*	7936.0	31.2	12.4	43.6	68.2	-24.6	Peak	Vertical
*	8667.0	30.6	13.6	44.2	68.2	-24.0	Peak	Vertical
	9304.5	30.6	14.7	45.3	74.0	-28.7	Peak	Vertical
	11030.0	29.5	18.5	48.0	74.0	-26.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	31.6	12.7	44.3	74.0	-29.7	Peak	Horizontal
	8497.0	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
*	9993.0	29.8	15.4	45.2	68.2	-23.0	Peak	Horizontal
*	12959.5	28.5	19.7	48.2	68.2	-20.0	Peak	Horizontal
	7511.0	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	8352.5	32.6	12.0	44.6	74.0	-29.4	Peak	Vertical
*	10214.0	31.8	16.3	48.1	68.2	-20.1	Peak	Vertical
*	12959.5	28.5	19.7	48.2	68.2	-20.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT80 - Ant 0	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8276.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
	11565.5	32.0	19.5	51.5	74.0	-22.5	Peak	Horizontal
*	12730.0	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
*	13665.0	29.6	21.9	51.5	68.2	-16.7	Peak	Horizontal
	8352.5	31.4	12.0	43.4	74.0	-30.6	Peak	Vertical
	11532.8	33.7	19.4	53.1	74.0	-20.9	Peak	Vertical
	11532.8	22.7	19.4	42.1	54.0	-11.9	Average	Vertical
*	12823.5	29.2	19.2	48.4	68.2	-19.8	Peak	Vertical
*	13665.0	29.6	21.9	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	31.4	12.0	43.4	74.0	-30.6	Peak	Horizontal
	9415.0	30.2	14.5	44.7	74.0	-29.3	Peak	Horizontal
*	10460.5	32.2	17.1	49.3	68.2	-18.9	Peak	Horizontal
*	12738.5	30.4	18.9	49.3	68.2	-18.9	Peak	Horizontal
	7409.0	32.5	12.6	45.1	74.0	-28.9	Peak	Vertical
	8318.5	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
*	9993.0	30.6	15.4	46.0	68.2	-22.2	Peak	Vertical
*	12891.5	30.1	19.4	49.5	68.2	-18.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.4	12.8	44.2	74.0	-29.8	Peak	Horizontal
	9015.5	31.9	14.2	46.1	74.0	-27.9	Peak	Horizontal
*	10095.0	32.0	15.7	47.7	68.2	-20.5	Peak	Horizontal
*	12891.5	30.1	19.4	49.5	68.2	-18.7	Peak	Horizontal
	7511.0	31.4	12.8	44.2	74.0	-29.8	Peak	Vertical
	8369.5	31.5	12.1	43.6	74.0	-30.4	Peak	Vertical
*	9823.0	30.4	15.6	46.0	68.2	-22.2	Peak	Vertical
*	12738.5	29.5	18.9	48.4	68.2	-19.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
Test Mode:	802.11a - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7477.0	31.1	12.8	43.9	74.0	-30.1	Peak	Horizontal
	8352.5	32.1	12.0	44.1	74.0	-29.9	Peak	Horizontal
*	10035.5	31.3	15.5	46.8	68.2	-21.4	Peak	Horizontal
*	12738.5	29.5	18.9	48.4	68.2	-19.8	Peak	Horizontal
	7477.0	31.1	12.8	43.9	74.0	-30.1	Peak	Vertical
	8369.5	31.6	12.1	43.7	74.0	-30.3	Peak	Vertical
*	10001.5	29.9	15.4	45.3	68.2	-22.9	Peak	Vertical
*	12772.5	29.8	19.0	48.8	68.2	-19.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9466.0	32.4	14.4	46.8	74.0	-27.2	Peak	Horizontal
	11488.3	36.5	19.3	55.8	74.0	-18.2	Peak	Horizontal
	11488.3	27.0	19.3	46.3	54.0	-7.7	Average	Horizontal
*	12806.5	29.1	19.1	48.2	68.2	-20.0	Peak	Horizontal
*	13665.0	30.5	21.9	52.4	68.2	-15.8	Peak	Horizontal
	9483.0	31.9	14.4	46.3	74.0	-27.7	Peak	Vertical
	11484.1	39.7	19.3	59.0	74.0	-15.0	Average	Vertical
	11484.1	29.3	19.3	48.6	54.0	-5.4	Peak	Vertical
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Vertical
*	13665.0	30.5	21.9	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9483.0	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11570.1	38.2	19.5	57.7	74.0	-16.3	Peak	Horizontal
	11570.1	28.3	19.5	47.8	54.0	-6.2	Average	Horizontal
*	12840.5	29.3	19.2	48.5	68.2	-19.7	Peak	Horizontal
*	13554.5	28.7	21.9	50.6	68.2	-17.6	Peak	Horizontal
	9466.0	31.2	14.4	45.6	74.0	-28.4	Peak	Vertical
	11570.2	44.1	19.5	63.6	74.0	-10.4	Peak	Vertical
	11570.2	33.9	19.5	53.4	54.0	-0.6	Average	Vertical
*	12891.5	29.7	19.4	49.1	68.2	-19.1	Peak	Vertical
*	13554.5	28.7	21.9	50.6	68.2	-17.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9406.5	29.8	14.5	44.3	74.0	-29.7	Peak	Horizontal
	11648.1	26.9	19.3	46.2	54.0	-7.8	Peak	Horizontal
	11650.5	38.0	19.3	57.3	74.0	-16.7	Average	Horizontal
*	12959.5	30.3	19.7	50.0	68.2	-18.2	Peak	Horizontal
*	13546.0	29.0	21.9	50.9	68.2	-17.3	Peak	Horizontal
	9177.0	32.8	14.7	47.5	74.0	-26.5	Peak	Horizontal
	11650.2	43.5	19.3	62.8	74.0	-11.2	Peak	Vertical
	11650.2	33.4	19.3	52.7	54.0	-1.3	Average	Vertical
*	12900.0	31.7	19.5	51.2	68.2	-17.0	Peak	Vertical
*	13495.0	28.8	21.7	50.5	68.2	-17.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	31.4	12.7	44.1	74.0	-29.9	Peak	Horizontal
	8310.0	32.3	11.9	44.2	74.0	-29.8	Peak	Horizontal
*	10273.5	33.6	16.5	50.1	68.2	-18.1	Peak	Horizontal
*	12857.5	30.3	19.3	49.6	68.2	-18.6	Peak	Horizontal
	7426.0	32.5	12.7	45.2	74.0	-28.8	Peak	Vertical
	8344.0	32.5	12.0	44.5	74.0	-29.5	Peak	Vertical
*	10299.0	32.6	16.6	49.2	68.2	-19.0	Peak	Vertical
*	12959.5	29.6	19.7	49.3	68.2	-18.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	32.2	12.8	45.0	74.0	-29.0	Peak	Horizontal
	8395.0	34.0	12.2	46.2	74.0	-27.8	Peak	Horizontal
*	9772.0	32.9	14.9	47.8	68.2	-20.4	Peak	Horizontal
*	12891.5	29.7	19.4	49.1	68.2	-19.1	Peak	Horizontal
	7400.5	31.9	12.6	44.5	74.0	-29.5	Peak	Vertical
	8352.5	31.9	12.0	43.9	74.0	-30.1	Peak	Vertical
*	10137.5	31.9	15.9	47.8	68.2	-20.4	Peak	Vertical
*	12891.5	29.7	19.4	49.1	68.2	-19.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.9	12.6	44.5	74.0	-29.5	Peak	Horizontal
	8378.0	32.4	12.1	44.5	74.0	-29.5	Peak	Horizontal
*	10069.5	30.7	15.6	46.3	68.2	-21.9	Peak	Horizontal
*	13070.0	29.6	20.0	49.6	68.2	-18.6	Peak	Horizontal
	7409.0	33.6	12.6	46.2	74.0	-27.8	Peak	Vertical
	8369.5	32.8	12.1	44.9	74.0	-29.1	Peak	Vertical
*	10154.5	30.8	16.0	46.8	68.2	-21.4	Peak	Vertical
*	13070.0	29.6	20.0	49.6	68.2	-18.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8310.0	34.0	11.9	45.9	74.0	-28.1	Peak	Horizontal
	11489.6	37.0	19.3	56.3	74.0	-17.7	Peak	Horizontal
	11489.6	26.5	19.3	45.8	54.0	-8.2	Average	Horizontal
*	12772.5	30.3	19.0	49.3	68.2	-18.9	Peak	Horizontal
*	13486.5	29.5	21.7	51.2	68.2	-17.0	Peak	Horizontal
	8386.5	31.8	12.1	43.9	74.0	-30.1	Peak	Horizontal
	11483.4	40.2	19.3	59.5	74.0	-14.5	Peak	Vertical
	11483.4	29.3	19.3	48.6	54.0	-5.4	Average	Vertical
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Vertical
*	13427.0	28.6	21.5	50.1	68.2	-18.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8327.0	32.8	11.9	44.7	74.0	-29.3	Peak	Horizontal
	11570.5	38.9	19.5	58.4	74.0	-15.6	Peak	Horizontal
	11570.5	28.2	19.5	47.7	54.0	-6.3	Average	Horizontal
*	12951.0	29.0	19.7	48.7	68.2	-19.5	Peak	Horizontal
*	13665.0	29.0	21.9	50.9	68.2	-17.3	Peak	Horizontal
	8284.5	32.5	11.9	44.4	74.0	-29.6	Peak	Vertical
	11570.0	43.7	19.5	63.2	74.0	-10.8	Peak	Vertical
	11570.0	33.0	19.5	52.5	54.0	-1.5	Average	Vertical
*	12891.5	29.0	19.4	48.4	68.2	-19.8	Peak	Vertical
*	13665.0	29.0	21.9	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	32.4	12.0	44.4	74.0	-29.6	Peak	Horizontal
	11650.2	37.7	19.4	57.1	74.0	-16.9	Peak	Horizontal
	11650.2	26.8	19.3	46.1	54.0	-7.9	Average	Horizontal
*	12942.5	30.1	19.7	49.8	68.2	-18.4	Peak	Horizontal
*	13928.5	29.7	22.4	52.1	68.2	-16.1	Peak	Horizontal
	9449.0	31.8	14.4	46.2	74.0	-27.8	Peak	Horizontal
	11648.9	41.0	19.4	60.4	74.0	-13.6	Peak	Vertical
	11648.9	32.4	19.3	51.7	54.0	-2.3	Average	Vertical
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Vertical
*	13733.0	30.0	22.0	52.0	68.2	-16.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7519.5	33.2	12.8	46.0	74.0	-28.0	Peak	Horizontal
	8242.0	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
*	10018.5	30.6	15.4	46.0	68.2	-22.2	Peak	Horizontal
*	13010.5	29.6	19.9	49.5	68.2	-18.7	Peak	Horizontal
	7366.5	31.7	12.5	44.2	74.0	-29.8	Peak	Vertical
	8335.5	32.8	11.9	44.7	74.0	-29.3	Peak	Vertical
*	9899.5	30.1	15.4	45.5	68.2	-22.7	Peak	Vertical
*	12849.0	28.8	19.2	48.0	68.2	-20.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.4	12.6	44.0	74.0	-30.0	Peak	Horizontal
	8480.0	31.6	12.7	44.3	74.0	-29.7	Peak	Horizontal
*	10171.5	30.8	16.1	46.9	68.2	-21.3	Peak	Horizontal
*	12849.0	28.8	19.2	48.0	68.2	-20.2	Peak	Horizontal
	7400.5	31.4	12.6	44.0	74.0	-30.0	Peak	Vertical
	8361.0	31.7	12.0	43.7	74.0	-30.3	Peak	Vertical
*	9950.5	30.1	15.3	45.4	68.2	-22.8	Peak	Vertical
*	12840.5	28.4	19.2	47.6	68.2	-20.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9483.0	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11523.0	32.3	19.4	51.7	74.0	-22.3	Peak	Horizontal
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Horizontal
*	13614.0	29.2	21.8	51.0	68.2	-17.2	Peak	Horizontal
	8454.5	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical
	11514.5	32.6	19.4	52.0	74.0	-22.0	Peak	Vertical
*	12781.0	29.5	19.0	48.5	68.2	-19.7	Peak	Vertical
*	13546.0	28.4	21.9	50.3	68.2	-17.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7383.5	32.4	12.5	44.9	74.0	-29.1	Peak	Horizontal
	8361.0	32.6	12.0	44.6	74.0	-29.4	Peak	Horizontal
*	9959.0	30.7	15.3	46.0	68.2	-22.2	Peak	Horizontal
*	12721.5	29.5	18.8	48.3	68.2	-19.9	Peak	Horizontal
	7502.5	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	11591.0	32.5	19.5	52.0	74.0	-22.0	Peak	Vertical
*	12730.0	30.1	18.8	48.9	68.2	-19.3	Peak	Vertical
*	13546.0	28.7	21.9	50.6	68.2	-17.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.2	12.4	43.6	74.0	-30.4	Peak	Horizontal
	8454.5	31.1	12.5	43.6	74.0	-30.4	Peak	Horizontal
*	10010.0	30.5	15.4	45.9	68.2	-22.3	Peak	Horizontal
*	12951.0	28.9	19.7	48.6	68.2	-19.6	Peak	Horizontal
	7519.5	32.3	12.8	45.1	74.0	-28.9	Peak	Vertical
	8301.5	32.0	11.9	43.9	74.0	-30.1	Peak	Vertical
*	9780.5	31.1	14.9	46.0	68.2	-22.2	Peak	Vertical
*	13010.5	29.0	19.9	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	32.8	12.4	45.2	74.0	-28.8	Peak	Horizontal
	8471.5	32.1	12.6	44.7	74.0	-29.3	Peak	Horizontal
*	9942.0	31.4	15.3	46.7	68.2	-21.5	Peak	Horizontal
*	12942.5	28.6	19.7	48.3	68.2	-19.9	Peak	Horizontal
	7468.5	32.1	12.8	44.9	74.0	-29.1	Peak	Vertical
	8463.0	31.1	12.6	43.7	74.0	-30.3	Peak	Vertical
*	9772.0	31.2	14.9	46.1	68.2	-22.1	Peak	Vertical
*	12781.0	28.5	19.0	47.5	68.2	-20.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7392.0	32.2	12.6	44.8	74.0	-29.2	Peak	Horizontal
	8310.0	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
*	10171.5	31.1	16.1	47.2	68.2	-21.0	Peak	Horizontal
*	12781.0	28.5	19.0	47.5	68.2	-20.7	Peak	Horizontal
	7375.0	31.5	12.5	44.0	74.0	-30.0	Peak	Vertical
	8310.0	32.0	11.9	43.9	74.0	-30.1	Peak	Vertical
*	10554.0	32.4	17.2	49.6	68.2	-18.6	Peak	Vertical
*	12985.0	28.7	19.8	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8352.5	31.4	12.0	43.4	74.0	-30.6	Peak	Horizontal
	11489.0	31.7	19.3	51.0	74.0	-23.0	Peak	Horizontal
*	12781.0	29.7	19.0	48.7	68.2	-19.5	Peak	Horizontal
*	13427.0	28.3	21.5	49.8	68.2	-18.4	Peak	Horizontal
	9177.0	31.9	14.7	46.6	74.0	-27.4	Peak	Vertical
	11497.5	32.8	19.3	52.1	74.0	-21.9	Peak	Vertical
*	12781.0	29.4	19.0	48.4	68.2	-19.8	Peak	Vertical
*	13571.5	29.8	21.8	51.6	68.2	-16.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9194.0	31.9	14.7	46.6	74.0	-27.4	Peak	Horizontal
	11574.0	33.3	19.5	52.8	74.0	-21.2	Peak	Horizontal
*	12891.5	28.3	19.4	47.7	68.2	-20.5	Peak	Horizontal
*	13546.0	28.7	21.9	50.6	68.2	-17.6	Peak	Horizontal
	9491.5	33.1	14.4	47.5	74.0	-26.5	Peak	Vertical
	11569.4	34.2	19.5	53.7	74.0	-20.3	Peak	Vertical
	11569.4	24.4	19.5	43.9	54.0	-10.1	Average	Vertical
*	12730.0	28.0	18.8	46.8	68.2	-21.4	Peak	Vertical
*	13503.5	28.5	21.8	50.3	68.2	-17.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT20 - Ant 1	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9449.0	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11650.5	31.5	19.3	50.8	74.0	-23.2	Peak	Horizontal
*	12951.0	28.4	19.7	48.1	68.2	-20.1	Peak	Horizontal
*	13563.0	28.8	21.8	50.6	68.2	-17.6	Peak	Horizontal
	9466.0	32.4	14.4	46.8	74.0	-27.2	Peak	Vertical
	11650.5	34.8	19.3	54.1	74.0	-19.9	Peak	Vertical
	11649.0	24.7	19.3	44.0	54.0	-10.0	Average	Vertical
*	12900.0	29.4	19.5	48.9	68.2	-19.3	Peak	Vertical
*	13529.0	28.8	21.8	50.6	68.2	-17.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7621.5	34.1	12.6	46.7	74.0	-27.3	Peak	Horizontal
	8310.0	33.0	11.9	44.9	74.0	-29.1	Peak	Horizontal
*	9772.0	31.0	14.9	45.9	68.2	-22.3	Peak	Horizontal
*	12721.5	29.5	18.8	48.3	68.2	-19.9	Peak	Horizontal
	7392.0	33.6	12.6	46.2	74.0	-27.8	Peak	Vertical
	8310.0	31.9	11.9	43.8	74.0	-30.2	Peak	Vertical
*	9908.0	30.6	15.3	45.9	68.2	-22.3	Peak	Vertical
*	12849.0	28.9	19.2	48.1	68.2	-20.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.3	12.4	43.7	74.0	-30.3	Peak	Horizontal
	8454.5	32.0	12.5	44.5	74.0	-29.5	Peak	Horizontal
*	10188.5	29.5	16.2	45.7	68.2	-22.5	Peak	Horizontal
*	12849.0	28.9	19.2	48.1	68.2	-20.1	Peak	Horizontal
	7332.5	31.3	12.4	43.7	74.0	-30.3	Peak	Vertical
	8429.0	30.3	12.4	42.7	74.0	-31.3	Peak	Vertical
*	9942.0	30.4	15.3	45.7	68.2	-22.5	Peak	Vertical
*	12840.5	29.3	19.2	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	8327.0	32.7	11.9	44.6	74.0	-29.4	Peak	Horizontal
	11514.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
*	12738.5	28.9	18.9	47.8	68.2	-20.4	Peak	Horizontal
*	13546.0	28.9	21.9	50.8	68.2	-17.4	Peak	Horizontal
	7451.5	33.2	12.8	46.0	74.0	-28.0	Peak	Vertical
	11514.5	32.9	19.4	52.3	74.0	-21.7	Peak	Vertical
*	12806.5	28.6	19.1	47.7	68.2	-20.5	Peak	Vertical
*	13495.0	28.6	21.7	50.3	68.2	-17.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT40 - Ant 1	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9466.0	31.5	14.4	45.9	74.0	-28.1	Peak	Horizontal
	11565.5	30.9	19.5	50.4	74.0	-23.6	Peak	Horizontal
*	12823.5	29.6	19.2	48.8	68.2	-19.4	Peak	Horizontal
*	13554.5	28.6	21.9	50.5	68.2	-17.7	Peak	Horizontal
	9160.0	32.2	14.7	46.9	74.0	-27.1	Peak	Vertical
	11591.0	32.1	19.5	51.6	74.0	-22.4	Peak	Vertical
*	12789.5	29.7	19.0	48.7	68.2	-19.5	Peak	Vertical
*	13554.5	28.6	21.9	50.5	68.2	-17.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	31.3	12.4	43.7	74.0	-30.3	Peak	Horizontal
	8208.0	30.9	11.9	42.8	74.0	-31.2	Peak	Horizontal
*	9942.0	30.5	15.3	45.8	68.2	-22.4	Peak	Horizontal
*	12891.5	29.3	19.4	48.7	68.2	-19.5	Peak	Horizontal
	7494.0	32.7	12.8	45.5	74.0	-28.5	Peak	Vertical
	8310.0	32.0	11.9	43.9	74.0	-30.1	Peak	Vertical
*	9865.5	30.8	16.0	46.8	68.2	-21.4	Peak	Vertical
*	12866.0	29.2	19.3	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/03
Test Mode:	802.11ac-VHT80 - Ant 1	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7315.5	32.9	12.3	45.2	74.0	-28.8	Peak	Horizontal
	8276.0	31.7	11.9	43.6	74.0	-30.4	Peak	Horizontal
*	9721.0	33.2	14.7	47.9	68.2	-20.3	Peak	Horizontal
*	13010.5	30.2	19.9	50.1	68.2	-18.1	Peak	Horizontal
	7358.0	31.1	12.4	43.5	74.0	-30.5	Peak	Vertical
	8276.0	31.7	11.9	43.6	74.0	-30.4	Peak	Vertical
*	9602.0	30.8	14.4	45.2	68.2	-23.0	Peak	Vertical
*	10358.5	30.1	16.8	46.9	68.2	-21.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	32.5	12.8	45.3	74.0	-28.7	Peak	Horizontal
	8165.5	33.4	12.1	45.5	74.0	-28.5	Peak	Horizontal
*	9695.5	32.5	14.6	47.1	68.2	-21.1	Peak	Horizontal
*	10358.5	30.1	16.8	46.9	68.2	-21.3	Peak	Horizontal
	7451.5	32.5	12.8	45.3	74.0	-28.7	Peak	Vertical
	8284.5	32.0	11.9	43.9	74.0	-30.1	Peak	Vertical
*	9653.0	30.8	14.5	45.3	68.2	-22.9	Peak	Vertical
*	10494.5	31.1	17.2	48.3	68.2	-19.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.4	12.4	43.8	74.0	-30.2	Peak	Horizontal
	8259.0	30.7	11.9	42.6	74.0	-31.4	Peak	Horizontal
*	9542.5	31.0	14.4	45.4	68.2	-22.8	Peak	Horizontal
*	10494.5	31.1	17.2	48.3	68.2	-19.9	Peak	Horizontal
	7511.0	31.5	12.8	44.3	74.0	-29.7	Peak	Vertical
	8429.0	31.4	12.4	43.8	74.0	-30.2	Peak	Vertical
*	9942.0	30.3	15.3	45.6	68.2	-22.6	Peak	Vertical
*	12721.5	30.1	18.8	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7511.0	31.1	12.8	43.9	74.0	-30.1	Peak	Horizontal
	8242.0	30.9	11.9	42.8	74.0	-31.2	Peak	Horizontal
*	10120.5	31.9	15.8	47.7	68.2	-20.5	Peak	Horizontal
*	12721.5	30.1	18.8	48.9	68.2	-19.3	Peak	Horizontal
	7511.0	31.1	12.8	43.9	74.0	-30.1	Peak	Vertical
	8352.5	31.3	12.0	43.3	74.0	-30.7	Peak	Vertical
*	9950.5	30.4	15.3	45.7	68.2	-22.5	Peak	Vertical
*	12951.0	28.7	19.7	48.4	68.2	-19.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9194.0	30.8	14.7	45.5	74.0	-28.5	Peak	Horizontal
	11490.4	36.8	19.3	56.1	74.0	-17.9	Peak	Horizontal
	11490.4	27.9	19.3	47.2	54.0	-6.8	Average	Horizontal
*	12721.5	29.0	18.8	47.8	68.2	-20.4	Peak	Horizontal
*	13486.5	28.5	21.7	50.2	68.2	-18.0	Peak	Horizontal
	9398.0	31.6	14.5	46.1	74.0	-27.9	Peak	Vertical
	11491.3	40.9	19.3	60.2	74.0	-13.8	Peak	Vertical
	11491.3	30.2	19.3	49.5	54.0	-4.5	Average	Vertical
*	12764.0	30.9	19.0	49.9	68.2	-18.3	Peak	Vertical
*	13486.5	28.5	21.7	50.2	68.2	-18.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9398.0	31.6	14.5	46.1	74.0	-27.9	Peak	Horizontal
	11568.1	35.2	19.5	54.7	74.0	-19.3	Peak	Horizontal
	11568.1	24.7	19.5	44.2	54.0	-9.8	Average	Horizontal
*	12891.5	28.8	19.4	48.2	68.2	-20.0	Peak	Horizontal
*	13656.5	29.2	21.8	51.0	68.2	-17.2	Peak	Horizontal
	9423.5	30.6	14.5	45.1	74.0	-28.9	Peak	Vertical
	11571.2	37.8	19.5	57.3	74.0	-16.7	Peak	Vertical
	11571.2	27.8	19.5	47.3	54.0	-6.7	Average	Vertical
*	12721.5	28.8	18.8	47.6	68.2	-20.6	Peak	Vertical
*	13486.5	28.7	21.7	50.4	68.2	-17.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11a - Ant 0+1 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9398.0	30.0	14.5	44.5	74.0	-29.5	Peak	Horizontal
	11652.3	34.3	19.3	53.6	74.0	-20.4	Peak	Horizontal
	11652.3	22.1	19.3	41.4	54.0	-12.6	Average	Horizontal
*	12891.5	29.5	19.4	48.9	68.2	-19.3	Peak	Horizontal
*	13486.5	28.7	21.7	50.4	68.2	-17.8	Peak	Horizontal
	9398.0	30.0	14.5	44.5	74.0	-29.5	Peak	Vertical
	11659.0	41.1	19.3	60.4	74.0	-13.6	Peak	Vertical
	11649.5	30.1	19.3	49.4	54.0	-4.6	Average	Vertical
*	12781.0	28.8	19.0	47.8	68.2	-20.4	Peak	Vertical
*	13631.0	29.2	21.8	51.0	68.2	-17.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7341.0	31.0	12.4	43.4	74.0	-30.6	Peak	Horizontal
	8114.5	33.3	12.2	45.5	74.0	-28.5	Peak	Horizontal
*	10214.0	31.6	16.3	47.9	68.2	-20.3	Peak	Horizontal
*	13631.0	29.2	21.8	51.0	68.2	-17.2	Peak	Horizontal
	7341.0	31.0	12.4	43.4	74.0	-30.6	Peak	Vertical
	8463.0	31.6	12.6	44.2	74.0	-29.8	Peak	Vertical
*	9916.5	30.6	15.3	45.9	68.2	-22.3	Peak	Vertical
*	12891.5	29.3	19.4	48.7	68.2	-19.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7383.5	31.7	12.5	44.2	74.0	-29.8	Peak	Horizontal
	8276.0	31.4	11.9	43.3	74.0	-30.7	Peak	Horizontal
*	10171.5	31.0	16.1	47.1	68.2	-21.1	Peak	Horizontal
*	12891.5	29.3	19.4	48.7	68.2	-19.5	Peak	Horizontal
	7383.5	31.7	12.5	44.2	74.0	-29.8	Peak	Vertical
	8310.0	32.1	11.9	44.0	74.0	-30.0	Peak	Vertical
*	9976.0	30.4	15.3	45.7	68.2	-22.5	Peak	Vertical
*	12891.5	29.0	19.4	48.4	68.2	-19.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7332.5	31.7	12.4	44.1	74.0	-29.9	Peak	Horizontal
	8242.0	32.2	11.9	44.1	74.0	-29.9	Peak	Horizontal
*	10120.5	31.2	15.8	47.0	68.2	-21.2	Peak	Horizontal
*	12891.5	29.0	19.4	48.4	68.2	-19.8	Peak	Horizontal
	7332.5	31.7	12.4	44.1	74.0	-29.9	Peak	Vertical
	8454.5	30.6	12.5	43.1	74.0	-30.9	Peak	Vertical
*	9967.5	30.7	15.3	46.0	68.2	-22.2	Peak	Vertical
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9100.5	31.7	14.4	46.1	74.0	-27.9	Peak	Horizontal
	11491.4	37.8	19.3	57.1	74.0	-16.9	Peak	Horizontal
	11491.4	27.5	19.3	46.8	54.0	-7.2	Average	Horizontal
*	12900.0	28.7	19.5	48.2	68.2	-20.0	Peak	Horizontal
*	13665.0	29.0	21.9	50.9	68.2	-17.3	Peak	Horizontal
	9151.5	30.2	14.7	44.9	74.0	-29.1	Peak	Vertical
	11488.8	40.5	19.3	59.8	74.0	-14.2	Peak	Vertical
	11488.8	28.8	19.3	48.1	54.0	-5.9	Average	Vertical
*	13010.5	29.6	19.9	49.5	68.2	-18.7	Peak	Vertical
*	13665.0	29.0	21.9	50.9	68.2	-17.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9372.5	29.7	14.5	44.2	74.0	-29.8	Peak	Horizontal
	11565.5	33.8	19.5	53.3	74.0	-20.7	Peak	Horizontal
*	12883.0	29.5	19.4	48.9	68.2	-19.3	Peak	Horizontal
*	13503.5	28.4	21.8	50.2	68.2	-18.0	Peak	Horizontal
	7553.5	33.3	12.8	46.1	74.0	-27.9	Peak	Vertical
	11568.7	39.5	19.5	59.0	74.0	-15.0	Peak	Vertical
	11568.7	28.4	19.5	47.9	54.0	-6.1	Average	Vertical
*	12764.0	28.9	19.0	47.9	68.2	-20.3	Peak	Vertical
*	13588.5	28.9	21.8	50.7	68.2	-17.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT20 - Ant 0+1 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9423.5	31.9	14.5	46.4	74.0	-27.6	Peak	Horizontal
	11642.0	33.5	19.4	52.9	74.0	-21.1	Peak	Horizontal
*	12781.0	31.0	19.0	50.0	68.2	-18.2	Peak	Horizontal
*	13826.5	29.2	22.2	51.4	68.2	-16.8	Peak	Horizontal
	9134.5	30.8	14.6	45.4	74.0	-28.6	Peak	Vertical
	11647.7	41.5	19.3	60.8	74.0	-13.2	Peak	Vertical
	11647.7	30.6	19.3	49.9	54.0	-4.1	Average	Vertical
*	13070.0	29.8	20.0	49.8	68.2	-18.4	Peak	Vertical
*	13682.0	30.7	21.9	52.6	68.2	-15.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/08
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.4	12.7	45.1	74.0	-28.9	Peak	Horizontal
	8471.5	31.9	12.6	44.5	74.0	-29.5	Peak	Horizontal
*	9942.0	31.9	15.3	47.2	68.2	-21.0	Peak	Horizontal
*	12789.5	29.2	19.0	48.2	68.2	-20.0	Peak	Horizontal
	7443.0	34.1	12.7	46.8	74.0	-27.2	Peak	Vertical
	8335.5	32.4	11.9	44.3	74.0	-29.7	Peak	Vertical
*	10222.5	30.9	16.3	47.2	68.2	-21.0	Peak	Vertical
*	12789.5	29.2	19.0	48.2	68.2	-20.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.7	12.7	45.4	74.0	-28.6	Peak	Horizontal
	8335.5	32.4	11.9	44.3	74.0	-29.7	Peak	Horizontal
*	9959.0	30.6	15.3	45.9	68.2	-22.3	Peak	Horizontal
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Horizontal
	7400.5	31.2	12.6	43.8	74.0	-30.2	Peak	Vertical
	8488.5	30.4	12.7	43.1	74.0	-30.9	Peak	Vertical
*	9993.0	31.1	15.4	46.5	68.2	-21.7	Peak	Vertical
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9483.0	30.7	14.4	45.1	74.0	-28.9	Peak	Horizontal
	11514.5	34.0	19.4	53.4	74.0	-20.6	Peak	Horizontal
*	12747.0	28.7	18.9	47.6	68.2	-20.6	Peak	Horizontal
*	13563.0	28.2	21.8	50.0	68.2	-18.2	Peak	Horizontal
	9304.5	31.1	14.7	45.8	74.0	-28.2	Peak	Vertical
	11514.5	37.4	19.4	56.8	74.0	-17.2	Peak	Vertical
	11516.0	26.4	19.4	45.8	54.0	-8.2	Average	Vertical
*	12738.5	29.5	18.9	48.4	68.2	-19.8	Peak	Vertical
*	13563.0	28.8	21.8	50.6	68.2	-17.6	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11n-HT40 - Ant 0+1 (CDD Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9423.5	30.5	14.5	45.0	74.0	-29.0	Peak	Horizontal
	11591.0	32.0	19.5	51.5	74.0	-22.5	Peak	Horizontal
*	12891.5	29.1	19.4	48.5	68.2	-19.7	Peak	Horizontal
*	13639.5	28.9	21.8	50.7	68.2	-17.5	Peak	Horizontal
	9304.5	31.6	14.7	46.3	74.0	-27.7	Peak	Vertical
	11589.9	36.1	19.5	55.6	74.0	-18.4	Peak	Vertical
	11589.9	23.3	19.5	42.8	54.0	-11.2	Average	Vertical
*	12730.0	28.7	18.8	47.5	68.2	-20.7	Peak	Vertical
*	13452.5	28.3	21.6	49.9	68.2	-18.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7443.0	31.7	12.7	44.4	74.0	-29.6	Peak	Horizontal
	8395.0	30.9	12.2	43.1	74.0	-30.9	Peak	Horizontal
*	9942.0	29.9	15.3	45.2	68.2	-23.0	Peak	Horizontal
*	12891.5	28.7	19.4	48.1	68.2	-20.1	Peak	Horizontal
	8131.5	32.3	12.2	44.5	74.0	-29.5	Peak	Vertical
	9049.5	31.4	14.2	45.6	74.0	-28.4	Peak	Vertical
*	10401.0	30.5	16.9	47.4	68.2	-20.8	Peak	Vertical
*	12806.5	30.0	19.1	49.1	68.2	-19.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7451.5	32.7	12.8	45.5	74.0	-28.5	Peak	Horizontal
	9109.0	31.9	14.5	46.4	74.0	-27.6	Peak	Horizontal
*	10290.5	31.0	16.6	47.6	68.2	-20.6	Peak	Horizontal
*	12840.5	28.9	19.2	48.1	68.2	-20.1	Peak	Horizontal
	7434.5	32.4	12.7	45.1	74.0	-28.9	Peak	Vertical
	8386.5	30.8	12.1	42.9	74.0	-31.1	Peak	Vertical
*	10171.5	32.2	16.1	48.3	68.2	-19.9	Peak	Vertical
*	12840.5	28.9	19.2	48.1	68.2	-20.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7434.5	32.4	12.7	45.1	74.0	-28.9	Peak	Horizontal
	8386.5	32.4	12.1	44.5	74.0	-29.5	Peak	Horizontal
*	9891.0	30.4	15.5	45.9	68.2	-22.3	Peak	Horizontal
*	12849.0	29.3	19.2	48.5	68.2	-19.7	Peak	Horizontal
	7392.0	31.8	12.6	44.4	74.0	-29.6	Peak	Vertical
	8310.0	32.5	11.9	44.4	74.0	-29.6	Peak	Vertical
*	10035.5	31.1	15.5	46.6	68.2	-21.6	Peak	Vertical
*	12849.0	29.3	19.2	48.5	68.2	-19.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9440.5	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11489.8	37.9	19.3	57.2	74.0	-16.8	Peak	Horizontal
	11489.8	27.7	19.3	47.0	54.0	-7.0	Average	Horizontal
*	12781.0	29.5	19.0	48.5	68.2	-19.7	Peak	Horizontal
*	13665.0	29.0	21.9	50.9	68.2	-17.3	Peak	Horizontal
	9440.5	31.9	14.4	46.3	74.0	-27.7	Peak	Vertical
	11489.2	39.6	19.3	58.9	74.0	-15.1	Peak	Vertical
	11489.2	29.1	19.3	48.4	54.0	-5.6	Average	Vertical
*	12849.0	29.1	19.2	48.3	68.2	-19.9	Peak	Vertical
*	13639.5	28.7	21.8	50.5	68.2	-17.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9474.5	31.2	14.4	45.6	74.0	-28.4	Peak	Horizontal
	11563.4	35.1	19.5	54.6	74.0	-19.4	Peak	Horizontal
	11563.4	23.9	19.5	43.4	54.0	-10.6	Average	Horizontal
*	12730.0	28.9	18.8	47.7	68.2	-20.5	Peak	Horizontal
*	13563.0	28.6	21.8	50.4	68.2	-17.8	Peak	Horizontal
	9398.0	30.0	14.5	44.5	74.0	-29.5	Peak	Vertical
	11569.1	37.6	19.5	57.1	74.0	-16.9	Peak	Vertical
	11569.1	28.0	19.5	47.5	54.0	-6.5	Average	Vertical
*	12781.0	29.9	19.0	48.9	68.2	-19.3	Peak	Vertical
*	13563.0	28.6	21.8	50.4	68.2	-17.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT20 - Ant 0+1 (CDD Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9398.0	30.0	14.5	44.5	74.0	-29.5	Peak	Horizontal
	11642.0	33.3	19.4	52.7	74.0	-21.3	Peak	Horizontal
*	12721.5	29.2	18.8	48.0	68.2	-20.2	Peak	Horizontal
*	13665.0	29.1	21.9	51.0	68.2	-17.2	Peak	Horizontal
	9313.0	31.3	14.7	46.0	74.0	-28.0	Peak	Vertical
	11648.7	41.0	19.3	60.3	74.0	-13.7	Peak	Vertical
	11648.7	30.7	19.3	50.0	54.0	-4.0	Average	Vertical
*	12968.0	30.0	19.8	49.8	68.2	-18.4	Peak	Vertical
*	13826.5	30.2	22.2	52.4	68.2	-15.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7400.5	31.8	12.6	44.4	74.0	-29.6	Peak	Horizontal
	8327.0	32.6	11.9	44.5	74.0	-29.5	Peak	Horizontal
*	9942.0	30.4	15.3	45.7	68.2	-22.5	Peak	Horizontal
*	12815.0	28.8	19.1	47.9	68.2	-20.3	Peak	Horizontal
	7460.0	31.7	12.8	44.5	74.0	-29.5	Peak	Vertical
	8199.5	31.7	12.0	43.7	74.0	-30.3	Peak	Vertical
*	10154.5	31.6	16.0	47.6	68.2	-20.6	Peak	Vertical
*	12815.0	28.8	19.1	47.9	68.2	-20.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7460.0	31.7	12.8	44.5	74.0	-29.5	Peak	Horizontal
	8293.0	31.8	11.9	43.7	74.0	-30.3	Peak	Horizontal
*	9916.5	30.6	15.3	45.9	68.2	-22.3	Peak	Horizontal
*	12798.0	29.6	19.1	48.7	68.2	-19.5	Peak	Horizontal
	7332.5	31.0	12.4	43.4	74.0	-30.6	Peak	Vertical
	8131.5	31.2	12.2	43.4	74.0	-30.6	Peak	Vertical
*	10035.5	32.4	15.5	47.9	68.2	-20.3	Peak	Vertical
*	12798.0	29.6	19.1	48.7	68.2	-19.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9466.0	32.9	14.4	47.3	74.0	-26.7	Peak	Horizontal
	11489.0	34.0	19.3	53.3	74.0	-20.7	Peak	Horizontal
*	13019.0	28.5	19.9	48.4	68.2	-19.8	Peak	Horizontal
*	13486.5	29.8	21.7	51.5	68.2	-16.7	Peak	Horizontal
	9457.5	31.9	14.4	46.3	74.0	-27.7	Peak	Vertical
	11514.7	38.7	19.4	58.1	74.0	-15.9	Peak	Vertical
	11514.7	26.1	19.4	45.5	54.0	-8.5	Average	Vertical
*	12891.5	29.4	19.4	48.8	68.2	-19.4	Peak	Vertical
*	13486.5	29.8	21.7	51.5	68.2	-16.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT40 - Ant 0+1 (CDD Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9457.5	31.9	14.4	46.3	74.0	-27.7	Peak	Horizontal
	11574.0	31.8	19.5	51.3	74.0	-22.7	Peak	Horizontal
*	12798.0	28.8	19.1	47.9	68.2	-20.3	Peak	Horizontal
*	13495.0	29.6	21.7	51.3	68.2	-16.9	Peak	Horizontal
	9151.5	32.2	14.7	46.9	74.0	-27.1	Peak	Vertical
	11575.0	35.1	19.5	54.6	74.0	-19.4	Peak	Vertical
	11575.0	22.9	19.5	42.4	54.0	-11.6	Average	Vertical
*	12806.5	28.9	19.1	48.0	68.2	-20.2	Peak	Vertical
*	13546.0	28.8	21.9	50.7	68.2	-17.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	7468.5	32.2	12.8	45.0	74.0	-29.0	Peak	Horizontal
	8157.0	32.4	12.1	44.5	74.0	-29.5	Peak	Horizontal
*	10129.0	31.2	15.9	47.1	68.2	-21.1	Peak	Horizontal
*	13546.0	28.8	21.9	50.7	68.2	-17.5	Peak	Horizontal
	7468.5	32.2	12.8	45.0	74.0	-29.0	Peak	Vertical
	8276.0	31.8	11.9	43.7	74.0	-30.3	Peak	Vertical
*	9984.5	30.2	15.4	45.6	68.2	-22.6	Peak	Vertical
*	12857.5	28.5	19.3	47.8	68.2	-20.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/14
Test Mode:	802.11ac-VHT80 - Ant 0+1 (CDD Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	9423.5	31.0	14.5	45.5	74.0	-28.5	Peak	Horizontal
	11531.5	31.3	19.4	50.7	74.0	-23.3	Peak	Horizontal
*	12730.0	28.9	18.8	47.7	68.2	-20.5	Peak	Horizontal
*	13435.5	29.7	21.6	51.3	68.2	-16.9	Peak	Horizontal
	9423.5	30.7	14.5	45.2	74.0	-28.8	Peak	Vertical
	11540.0	32.0	19.4	51.4	74.0	-22.6	Peak	Vertical
*	12840.5	29.2	19.2	48.4	68.2	-19.8	Peak	Vertical
*	13435.5	29.7	21.6	51.3	68.2	-16.9	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8879.5	32.9	14.0	46.9	68.2	-21.3	Peak	Horizontal
	9134.5	32.0	14.6	46.6	74.0	-27.4	Peak	Horizontal
	11948.0	31.7	18.6	50.3	74.0	-23.7	Peak	Horizontal
*	7808.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	8913.5	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
	9134.5	32.0	14.6	46.6	74.0	-27.4	Peak	Vertical
	12169.0	32.4	18.8	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	34.1	12.4	46.5	68.2	-21.7	Peak	Horizontal
*	8769.0	31.0	13.9	44.9	68.2	-23.3	Peak	Horizontal
	11183.0	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
	11633.5	32.1	19.4	51.5	74.0	-22.5	Peak	Horizontal
*	7842.5	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8811.5	31.0	14.0	45.0	68.2	-23.2	Peak	Vertical
	9194.0	31.2	14.8	46.0	74.0	-28.0	Peak	Vertical
	11718.5	30.8	19.1	49.9	74.0	-24.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8760.5	32.1	13.9	46.0	68.2	-22.2	Peak	Horizontal
	9134.5	31.7	14.6	46.3	74.0	-27.7	Peak	Horizontal
	11956.5	31.3	18.6	49.9	74.0	-24.1	Peak	Horizontal
*	7876.5	34.2	12.4	46.6	68.2	-21.6	Peak	Vertical
*	8675.5	32.5	13.7	46.2	68.2	-22.0	Peak	Vertical
	9117.5	31.8	14.5	46.3	74.0	-27.7	Peak	Vertical
	11310.5	31.1	18.9	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	8004.0	36.0	12.5	48.5	68.2	-19.7	Peak	Horizontal
*	8879.5	32.7	14.0	46.7	68.2	-21.5	Peak	Horizontal
	11490.2	35.0	20.6	55.6	74.0	-18.4	Peak	Horizontal
	11490.2	24.8	20.6	45.4	54.0	-8.6	Average	Horizontal
	12058.5	30.9	18.8	49.7	74.0	-24.3	Peak	Horizontal
*	7885.0	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	8828.5	32.1	14.0	46.1	68.2	-22.1	Peak	Vertical
	11489.0	37.8	20.6	58.4	74.0	-15.6	Peak	Vertical
	11489.0	28.7	20.6	49.3	54.0	-4.7	Average	Vertical
	12237.0	31.1	18.7	49.8	74.0	-24.2	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7851.0	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	8811.5	31.4	14.0	45.4	68.2	-22.8	Peak	Horizontal
	11570.3	33.9	20.8	54.7	74.0	-19.3	Peak	Horizontal
	11570.3	24.1	20.8	44.9	54.0	-9.1	Average	Horizontal
	12339.0	31.3	18.5	49.8	74.0	-24.2	Peak	Horizontal
*	7961.5	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	8854.0	32.0	14.0	46.0	68.2	-22.2	Peak	Vertical
	11098.0	31.1	18.6	49.7	74.0	-24.3	Peak	Vertical
	11572.2	39.3	20.8	60.1	74.0	-13.9	Peak	Vertical
	11572.2	26.6	20.8	47.4	54.0	-6.6	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 dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7774.5	34.9	12.4	47.3	68.2	-20.9	Peak	Horizontal
*	8820.0	32.1	14.0	46.1	68.2	-22.1	Peak	Horizontal
	11648.6	34.3	21.0	55.3	74.0	-18.7	Peak	Horizontal
	11648.6	24.5	21.0	45.5	54.0	-8.5	Average	Horizontal
	12305.0	31.9	18.5	50.4	74.0	-23.6	Peak	Horizontal
*	7766.0	35.6	12.4	48.0	68.2	-20.2	Peak	Vertical
*	8811.5	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
	11649.0	39.6	21.0	60.6	74.0	-13.4	Peak	Vertical
	11649.0	29.1	21.0	50.1	54.0	-3.9	Average	Vertical
	12585.5	32.3	18.7	51.0	74.0	-23.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
*	8709.5	32.3	13.8	46.1	68.2	-22.1	Peak	Horizontal
	11004.5	31.2	18.5	49.7	74.0	-24.3	Peak	Horizontal
	11701.5	31.4	19.1	50.5	74.0	-23.5	Peak	Horizontal
*	7953.0	34.3	12.5	46.8	68.2	-21.4	Peak	Vertical
*	8777.5	32.8	13.9	46.7	68.2	-21.5	Peak	Vertical
	11191.5	30.4	18.7	49.1	74.0	-24.9	Peak	Vertical
	12058.5	32.4	18.8	51.2	74.0	-22.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	34.3	12.4	46.7	68.2	-21.5	Peak	Horizontal
*	8820.0	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
	11786.5	31.0	18.8	49.8	74.0	-24.2	Peak	Horizontal
	12551.5	31.9	18.6	50.5	74.0	-23.5	Peak	Horizontal
*	7808.5	34.5	12.4	46.9	68.2	-21.3	Peak	Vertical
*	8879.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
	11412.5	32.6	19.1	51.7	74.0	-22.3	Peak	Vertical
	12441.0	32.3	18.4	50.7	74.0	-23.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8820.0	30.5	14.0	44.5	68.2	-23.7	Peak	Horizontal
	11183.0	30.7	18.7	49.4	74.0	-24.6	Peak	Horizontal
	11795.0	31.0	18.8	49.8	74.0	-24.2	Peak	Horizontal
*	7868.0	34.6	12.4	47.0	68.2	-21.2	Peak	Vertical
*	8811.5	31.6	14	45.6	68.2	-22.6	Peak	Vertical
	11503.8	37.5	20.6	58.1	74.0	-15.9	Peak	Vertical
	11503.8	24.0	20.6	44.6	54.0	-9.4	Average	Vertical
	12279.5	30.7	18.6	49.3	74.0	-24.7	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11n-HT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7800.0	36.4	12.4	48.8	68.2	-19.4	Peak	Horizontal
*	8735.0	32.7	13.9	46.6	68.2	-21.6	Peak	Horizontal
	11599.5	31.2	19.5	50.7	74.0	-23.3	Peak	Horizontal
	12007.5	31.7	18.7	50.4	74.0	-23.6	Peak	Horizontal
*	7953.0	34.1	12.5	46.6	68.2	-21.6	Peak	Vertical
*	8879.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
	11463.5	30.7	19.3	50.0	74.0	-24.0	Peak	Vertical
	12441.0	31.5	18.4	49.9	74.0	-24.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	36
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7774.5	33.7	12.4	46.1	68.2	-22.1	Peak	Horizontal
*	8879.5	32.3	14.0	46.3	68.2	-21.9	Peak	Horizontal
	11378.5	31.0	19.1	50.1	74.0	-23.9	Peak	Horizontal
	12262.5	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
*	7791.5	34.7	12.4	47.1	68.2	-21.1	Peak	Vertical
*	8837.0	31.9	14.0	45.9	68.2	-22.3	Peak	Vertical
	11370.0	30.9	19.0	49.9	74.0	-24.1	Peak	Vertical
	12118.0	31.8	18.9	50.7	74.0	-23.3	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	44
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7800.0	34.4	12.4	46.8	68.2	-21.4	Peak	Horizontal
*	8769.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
	11319.0	30.6	18.9	49.5	74.0	-24.5	Peak	Horizontal
	12339.0	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
*	7834.0	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8888.0	33.0	14.0	47.0	68.2	-21.2	Peak	Vertical
	11174.5	32.2	18.7	50.9	74.0	-23.1	Peak	Vertical
	12330.5	31.7	18.5	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	48
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7842.5	33.9	12.4	46.3	68.2	-21.9	Peak	Horizontal
*	8837.0	30.9	14.0	44.9	68.2	-23.3	Peak	Horizontal
	11276.5	31.2	18.8	50.0	74.0	-24.0	Peak	Horizontal
	12016.0	31.1	18.7	49.8	74.0	-24.2	Peak	Horizontal
*	7868.0	34.3	12.4	46.7	68.2	-21.5	Peak	Vertical
*	8811.5	31.7	14.0	45.7	68.2	-22.5	Peak	Vertical
	11489.0	30.6	19.3	49.9	74.0	-24.1	Peak	Vertical
	12517.5	31.4	18.6	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	149
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7927.5	35.6	12.4	48.0	68.2	-20.2	Peak	Horizontal
*	8803.0	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
	11038.5	31.9	18.5	50.4	74.0	-23.6	Peak	Horizontal
	11820.5	31.8	18.7	50.5	74.0	-23.5	Peak	Horizontal
*	7851.0	34.8	12.4	47.2	68.2	-21.0	Peak	Vertical
*	8786.0	32.3	13.9	46.2	68.2	-22.0	Peak	Vertical
	11446.5	31.7	19.2	50.9	74.0	-23.1	Peak	Vertical
	12288.0	31.9	18.6	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	157
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.2	12.4	46.6	68.2	-21.6	Peak	Horizontal
*	8735.0	31.5	13.9	45.4	68.2	-22.8	Peak	Horizontal
	11569.3	34.8	20.8	55.6	74.0	-18.4	Peak	Horizontal
	11569.3	24.6	20.8	45.4	54.0	-8.6	Average	Horizontal
	12067.0	31.2	18.9	50.1	74.0	-23.9	Peak	Horizontal
*	7953.0	34.8	12.5	47.3	68.2	-20.9	Peak	Vertical
*	8862.5	33.3	14.1	47.4	68.2	-20.8	Peak	Vertical
	11571.0	37.1	20.8	57.9	74.0	-16.1	Peak	Vertical
	11571.0	25.2	20.8	46.0	54.0	-8.0	Average	Vertical
	12500.5	31.4	18.6	50.0	74.0	-24.0	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT20 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	165
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7902.0	33.8	12.4	46.2	68.2	-22.0	Peak	Horizontal
*	8888.0	31.6	14.0	45.6	68.2	-22.6	Peak	Horizontal
	11234.0	32.1	18.8	50.9	74.0	-23.1	Peak	Horizontal
	11693.0	32.1	19.2	51.3	74.0	-22.7	Peak	Horizontal
*	7825.5	35.4	12.4	47.8	68.2	-20.4	Peak	Vertical
*	8777.5	32.8	14.0	46.8	68.2	-21.4	Peak	Vertical
	9177.0	31.5	14.8	46.3	74.0	-27.7	Peak	Vertical
	11648.1	33.3	21.0	54.3	74.0	-19.7	Peak	Vertical
	11648.1	20.3	21.0	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 dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	38
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7893.5	34.6	12.4	47.0	68.2	-21.2	Peak	Horizontal
*	8854.0	31.8	14.0	45.8	68.2	-22.4	Peak	Horizontal
	11633.5	31.7	19.4	51.1	74.0	-22.9	Peak	Horizontal
	12339.0	31.4	18.5	49.9	74.0	-24.1	Peak	Horizontal
*	7953.0	34.6	12.5	47.1	68.2	-21.1	Peak	Vertical
*	8905.0	32.4	14.0	46.4	68.2	-21.8	Peak	Vertical
	11089.5	32.9	18.6	51.5	74.0	-22.5	Peak	Vertical
	12228.5	31.8	18.7	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	46
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7961.5	34.3	12.5	46.8	68.2	-21.4	Peak	Horizontal
*	8871.0	32.4	14.0	46.4	68.2	-21.8	Peak	Horizontal
	11140.5	32.7	18.7	51.4	74.0	-22.6	Peak	Horizontal
	12016.0	32.5	18.7	51.2	74.0	-22.8	Peak	Horizontal
*	7944.5	34.3	12.5	46.8	68.2	-21.4	Peak	Vertical
*	8862.5	32.5	14.0	46.5	68.2	-21.7	Peak	Vertical
	11293.5	33.1	18.9	52.0	74.0	-22.0	Peak	Vertical
	12475.0	32.4	18.5	50.9	74.0	-23.1	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	151
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7817.0	34.5	12.4	46.9	68.2	-21.3	Peak	Horizontal
*	8820.0	31.9	14.0	45.9	68.2	-22.3	Peak	Horizontal
	11511.1	33.9	20.6	54.5	74.0	-19.5	Peak	Horizontal
	11511.1	20.8	20.6	41.4	54.0	-12.6	Average	Horizontal
	12237.0	31.0	18.7	49.7	74.0	-24.3	Peak	Horizontal
*	7876.5	33.8	12.4	46.2	68.2	-22.0	Peak	Vertical
*	8854.0	31.8	14.1	45.9	68.2	-22.3	Peak	Vertical
	11503.9	37.8	20.6	58.4	74.0	-15.6	Peak	Vertical
	11503.9	21.9	20.5	42.4	54.0	-11.6	Average	Vertical
	12194.5	31.8	18.8	50.6	74.0	-23.4	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT40 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	159
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7808.5	34.7	12.4	47.1	68.2	-21.1	Peak	Horizontal
*	8786.0	31.3	13.9	45.2	68.2	-23.0	Peak	Horizontal
	11378.5	31.4	19.1	50.5	74.0	-23.5	Peak	Horizontal
	12067.0	32.3	18.9	51.2	74.0	-22.8	Peak	Horizontal
*	7919.0	35.7	12.4	48.1	68.2	-20.1	Peak	Vertical
*	8888.0	33.1	14.0	47.1	68.2	-21.1	Peak	Vertical
	11285.0	31.4	18.9	50.3	74.0	-23.7	Peak	Vertical
	12271.0	31.9	18.6	50.5	74.0	-23.5	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	42
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7910.5	33.5	12.4	45.9	68.2	-22.3	Peak	Horizontal
*	8862.5	31.5	14.0	45.5	68.2	-22.7	Peak	Horizontal
	11276.5	30.8	18.8	49.6	74.0	-24.4	Peak	Horizontal
	11948.0	31.1	18.6	49.7	74.0	-24.3	Peak	Horizontal
*	7885.0	34.1	12.4	46.5	68.2	-21.7	Peak	Vertical
*	8854.0	31.6	14.0	45.6	68.2	-22.6	Peak	Vertical
	11752.5	30.9	18.9	49.8	74.0	-24.2	Peak	Vertical
	12220.0	31.5	18.7	50.2	74.0	-23.8	Peak	Vertical

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

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

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

Product	AC220m Wi-Fi module OD US	Temperature	26°C
Test Engineer	Kevin Ker	Relative Humidity	57 %
Test Site	AC1	Test Date	2017/12/18
Test Mode:	802.11ac-VHT80 - Ant 0 + 1 (Beam-Forming Mode)	Test Channel:	155
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7876.5	34.1	12.4	46.5	68.2	-21.7	Peak	Horizontal
*	8769.0	31.6	13.9	45.5	68.2	-22.7	Peak	Horizontal
	11251.0	31.8	18.8	50.6	74.0	-23.4	Peak	Horizontal
	12169.0	31.9	18.8	50.7	74.0	-23.3	Peak	Horizontal
*	7808.5	25.6	22.4	48.0	68.2	-20.2	Peak	Vertical
*	8811.5	22.7	23.1	45.8	68.2	-22.4	Peak	Vertical
	11089.5	22.5	27.5	50.0	74.0	-24.0	Peak	Vertical
	11735.5	23.1	27.3	50.4	74.0	-23.6	Peak	Vertical

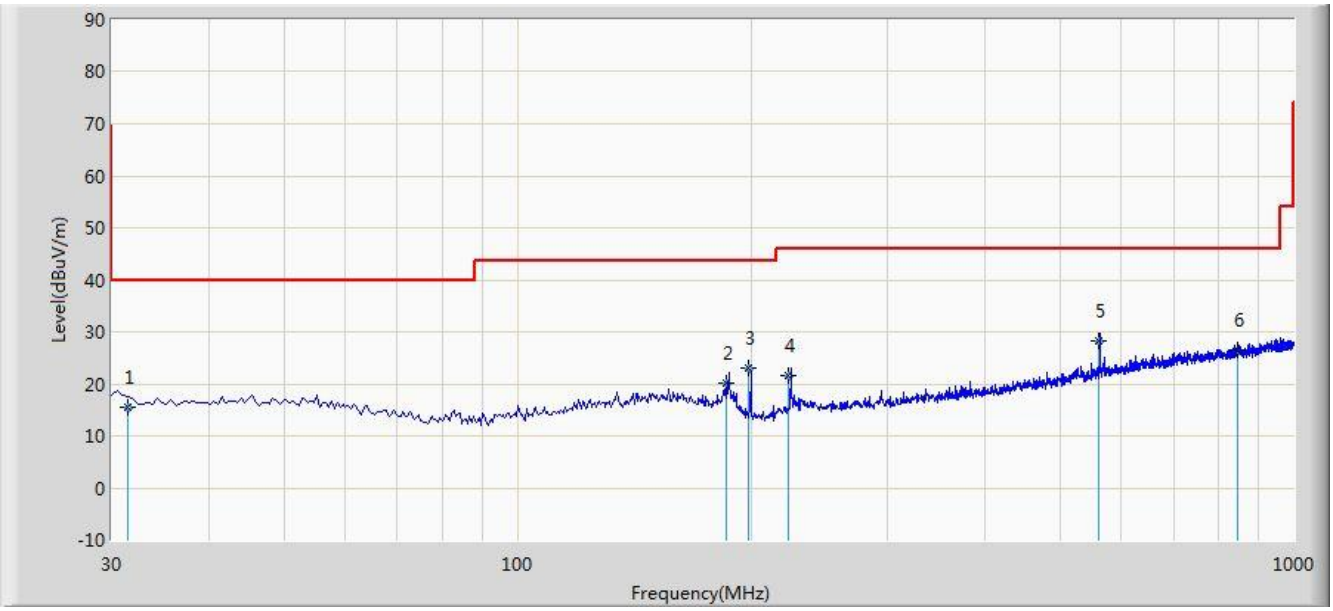
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

The worst case of Radiated Emission below 1GHz:

Site: AC1	Time: 2017/12/19 - 23:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5180MHz Ant 0	



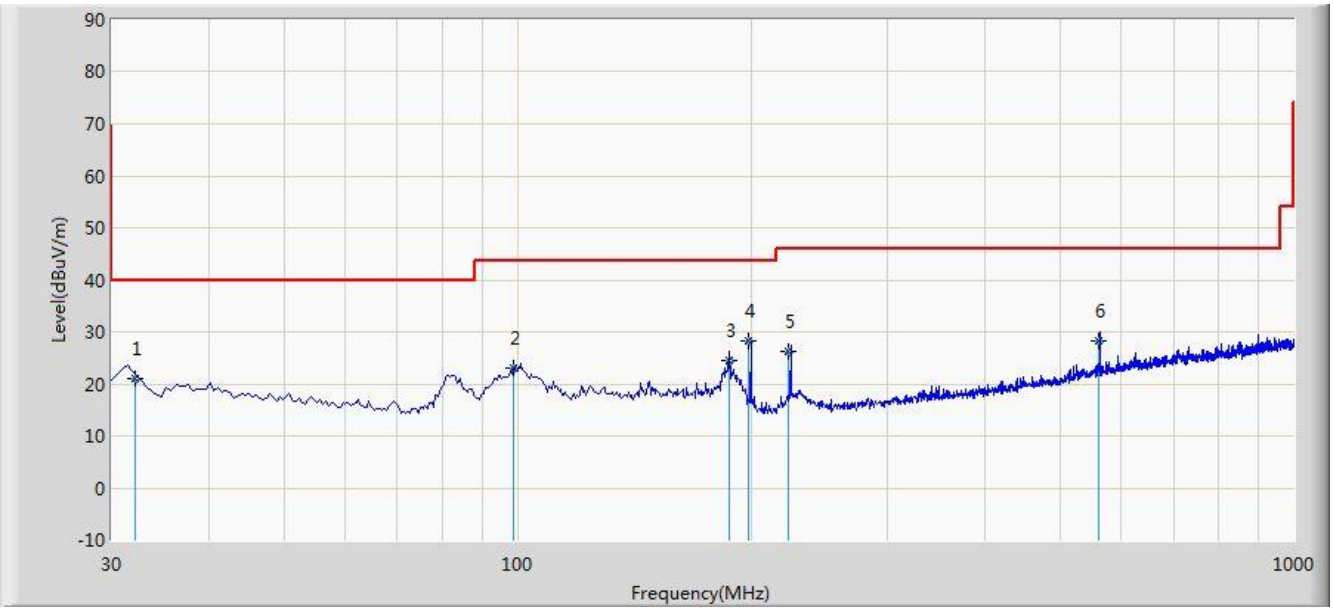
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			31.465	15.569	3.262	-24.431	40.000	12.307	QP
2			186.100	20.142	8.560	-23.358	43.500	11.582	QP
3			198.120	22.920	10.560	-20.580	43.500	12.360	QP
4			223.560	21.579	8.650	-24.421	46.000	12.930	QP
5			561.260	28.250	8.620	-17.750	46.000	19.630	QP
6			845.260	26.488	2.650	-19.512	46.000	23.838	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: 2017/12/19 - 23:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Worst Case: Transmit by 802.11a at Channel 5180MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			32.156	21.082	8.650	-18.918	40.000	12.432	QP
2			98.620	23.144	10.260	-20.356	43.500	12.884	QP
3			187.560	24.365	12.650	-19.135	43.500	11.715	QP
4		*	198.262	28.323	15.960	-15.177	43.500	12.363	QP
5			223.659	26.190	13.256	-19.810	46.000	12.934	QP
6			560.265	28.205	8.596	-17.795	46.000	19.609	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.

7.9. Radiated Restricted Band Edge Measurement

7.9.1.Test Limit

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42-16.423	399.9 - 410	4.5-5.15
[1] 0.495 - 0.505	16.69475-16.69525	608 - 614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960 - 1240	7.25-7.75
4.125-4.128	25.5 -25.67	1300 - 1427	8.25 - 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 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

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

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above

or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Refer to KDB 789033 D02v02r01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz 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.

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

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

7.9.2.Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

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

7.9.3.Test Setting

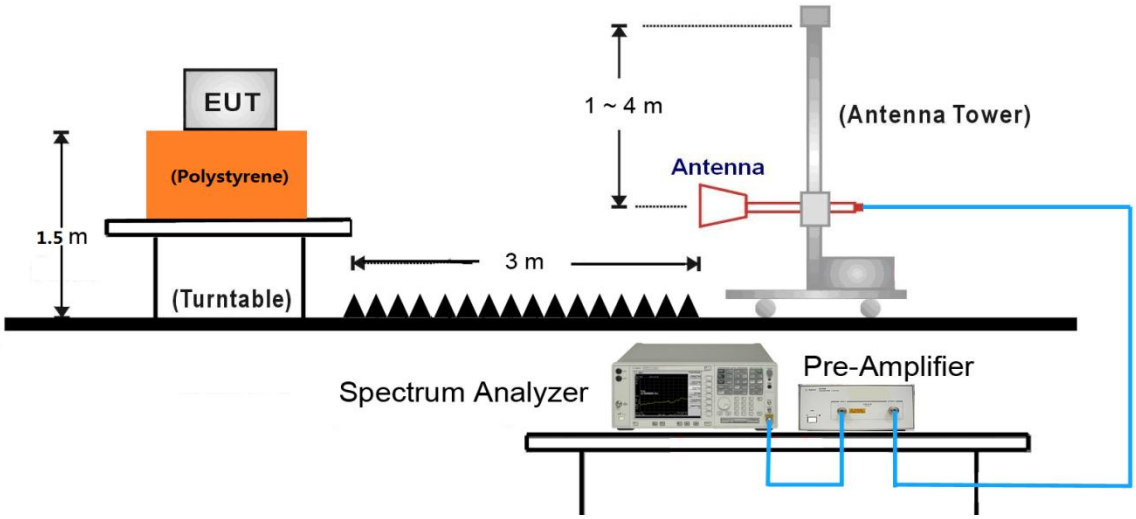
Peak Measurements above 1GHz

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

Average Measurements above 1GHz (Method AD)

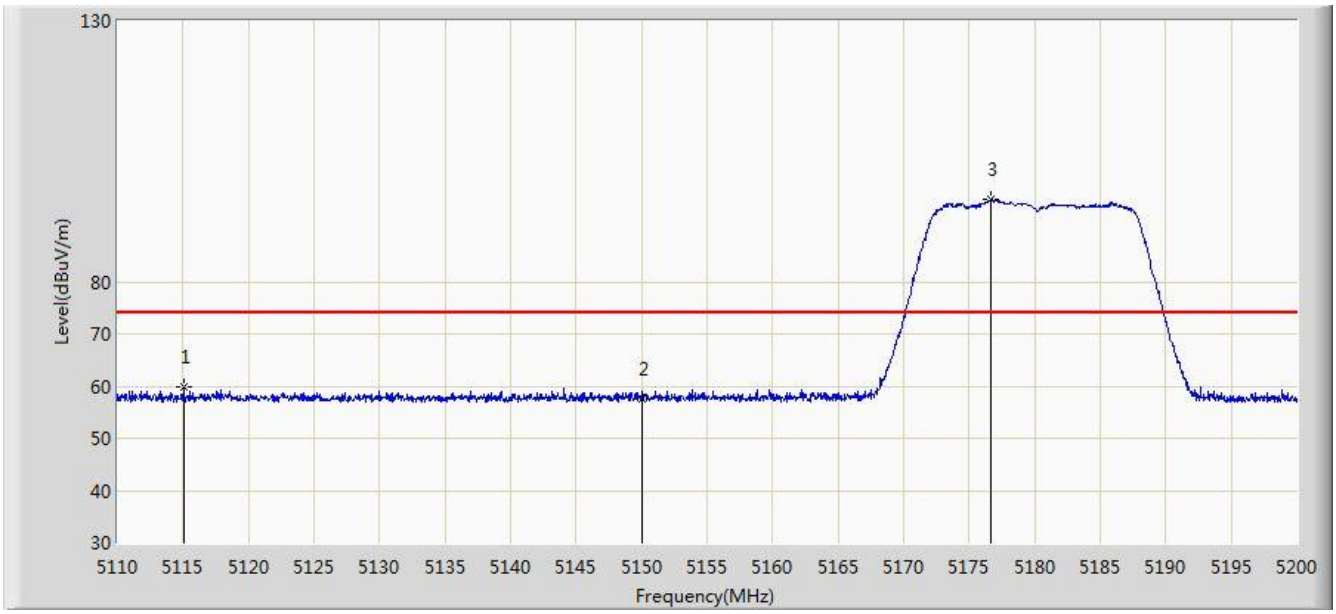
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (Average)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100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

7.9.4.Test Setup



7.9.5.Test Result

Site: AC1	Time: 2017/12/14 - 10:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

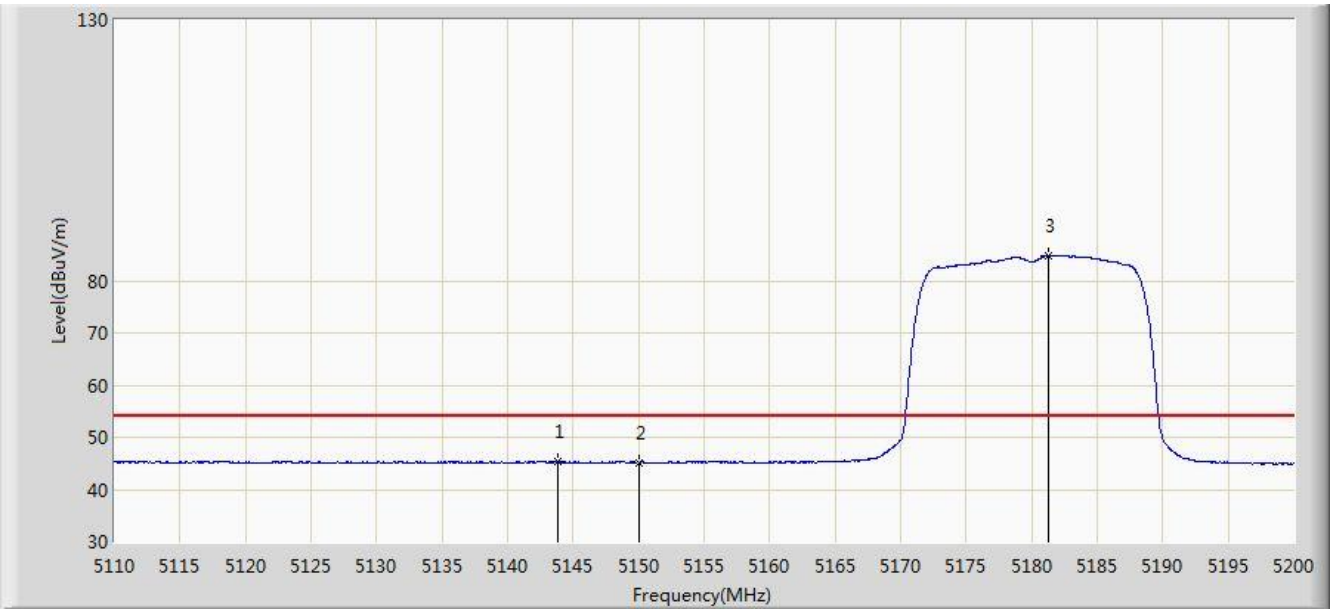


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5115.040	59.957	55.782	-14.043	74.000	4.175	PK
2			5150.000	57.617	53.448	-16.383	74.000	4.170	PK
3		*	5176.690	95.768	91.687	N/A	N/A	4.080	PK

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: 2017/12/14 - 10:09
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

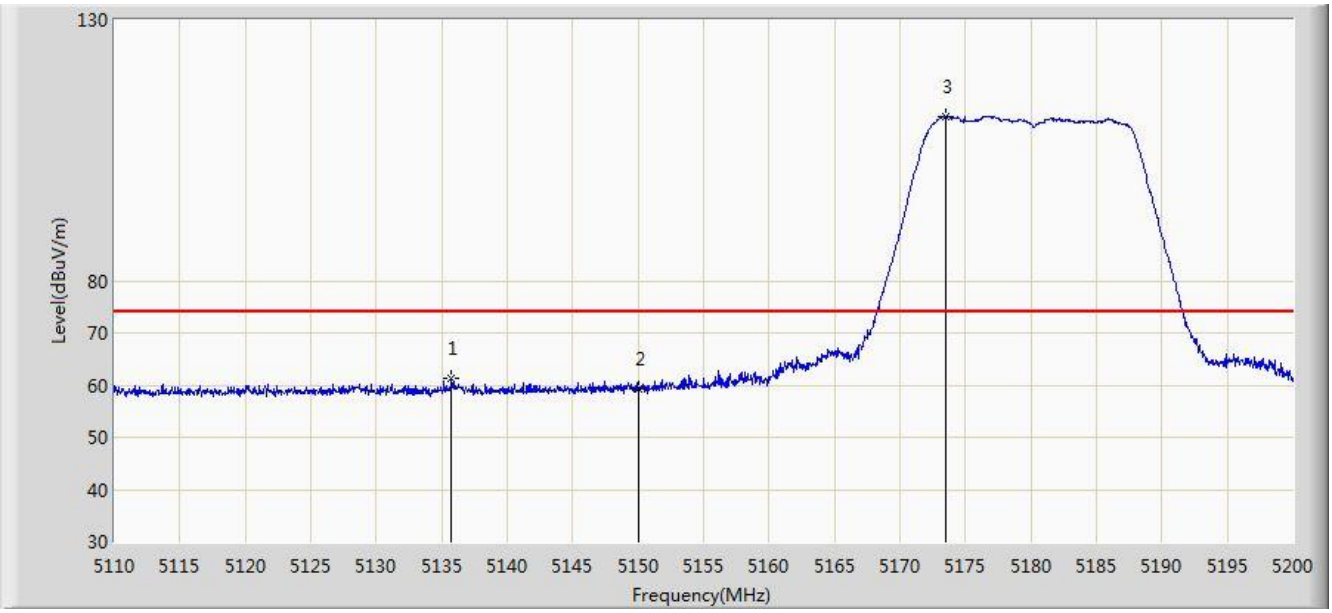


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.840	45.492	41.316	-8.508	54.000	4.176	AV
2			5150.000	45.214	41.045	-8.786	54.000	4.170	AV
3		*	5181.280	84.817	80.753	N/A	N/A	4.064	AV

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

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

Site: AC1	Time: 2017/12/14 - 10:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

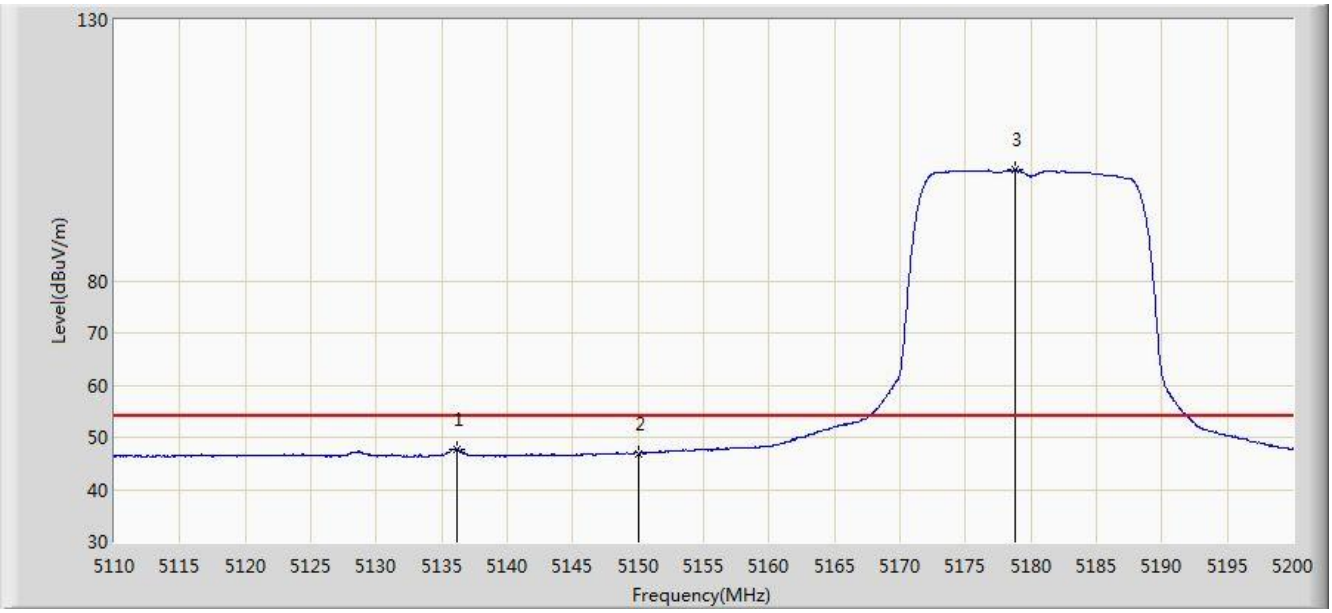


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.740	61.263	57.088	-12.737	74.000	4.175	PK
2			5150.000	59.175	55.006	-14.825	74.000	4.170	PK
3		*	5173.495	111.537	107.445	N/A	N/A	4.092	PK

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: 2017/12/14 - 10:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0	

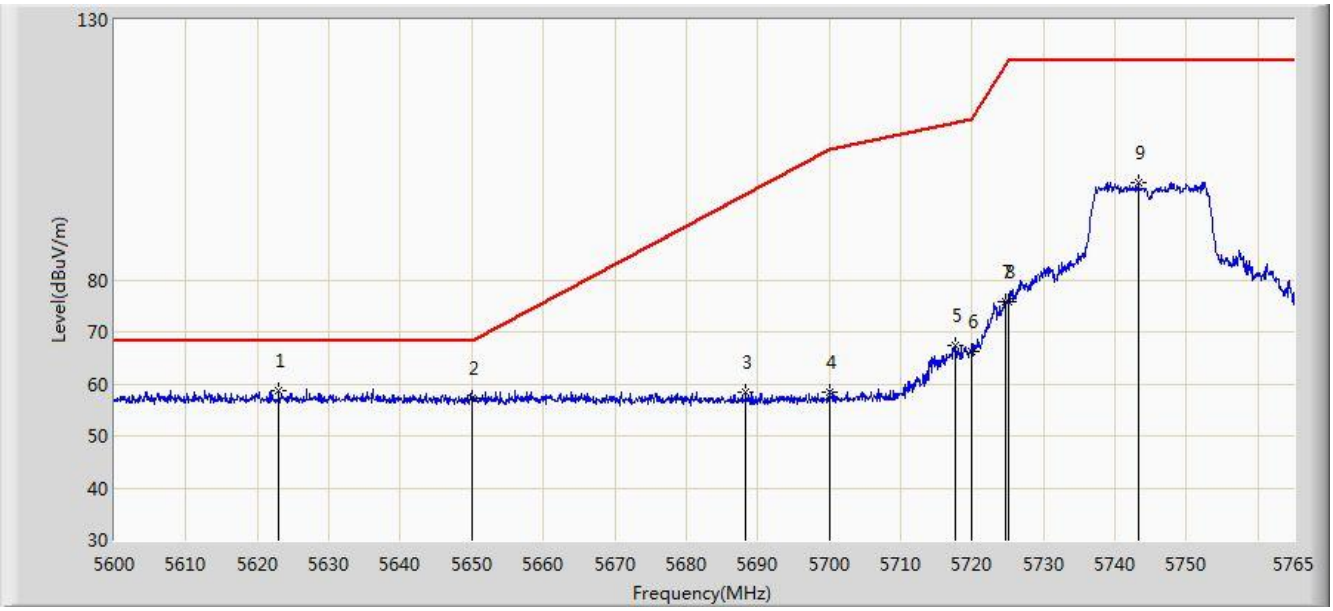


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.145	47.783	43.608	-6.217	54.000	4.175	AV
2			5150.000	46.935	42.766	-7.065	54.000	4.170	AV
3		*	5178.805	101.274	97.201	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2017/12/07 - 00:04
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0	

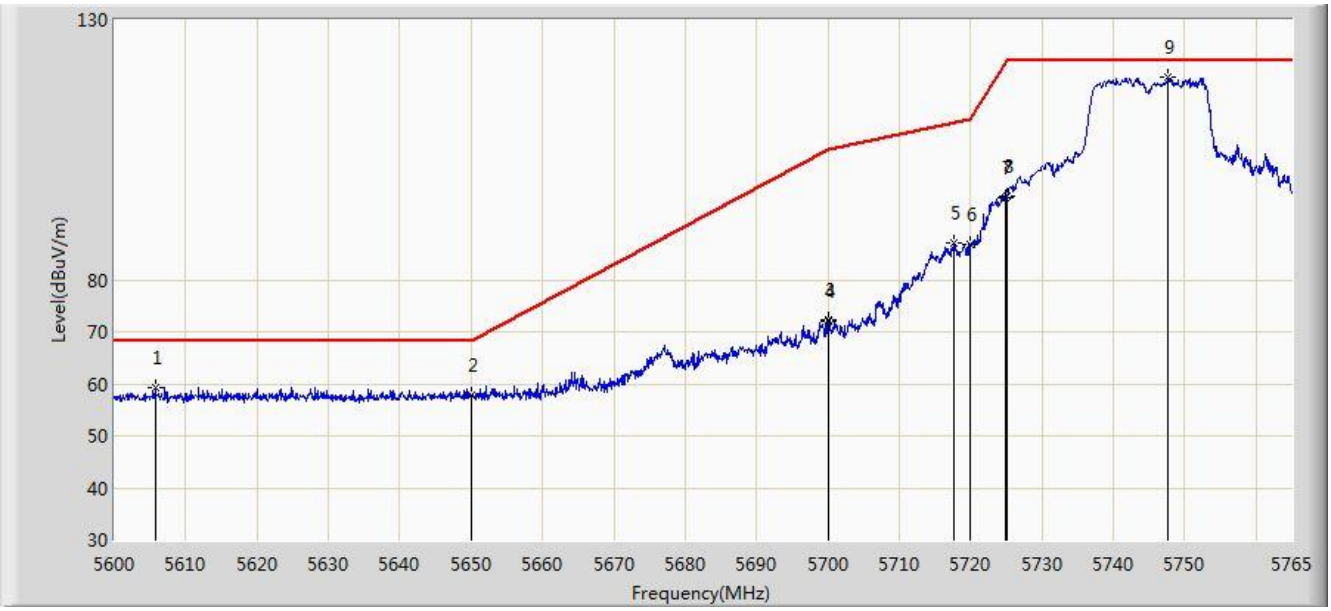


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5623.018	58.783	54.194	-9.417	68.200	4.589	PK
2			5650.000	57.350	52.679	-10.850	68.200	4.671	PK
3			5688.357	58.429	53.608	-38.184	96.613	4.820	PK
4			5700.000	58.474	53.596	-46.726	105.200	4.878	PK
5			5717.562	67.312	62.331	-42.806	110.118	4.982	PK
6			5720.000	66.091	61.094	-44.709	110.800	4.997	PK
7			5724.658	75.911	70.884	-45.510	121.421	5.027	PK
8			5725.000	75.689	70.660	-46.511	122.200	5.029	PK
9			5743.303	98.689	93.544	N/A	N/A	5.145	PK

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

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

Site: AC1	Time: 2017/12/07 - 00:01
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0	

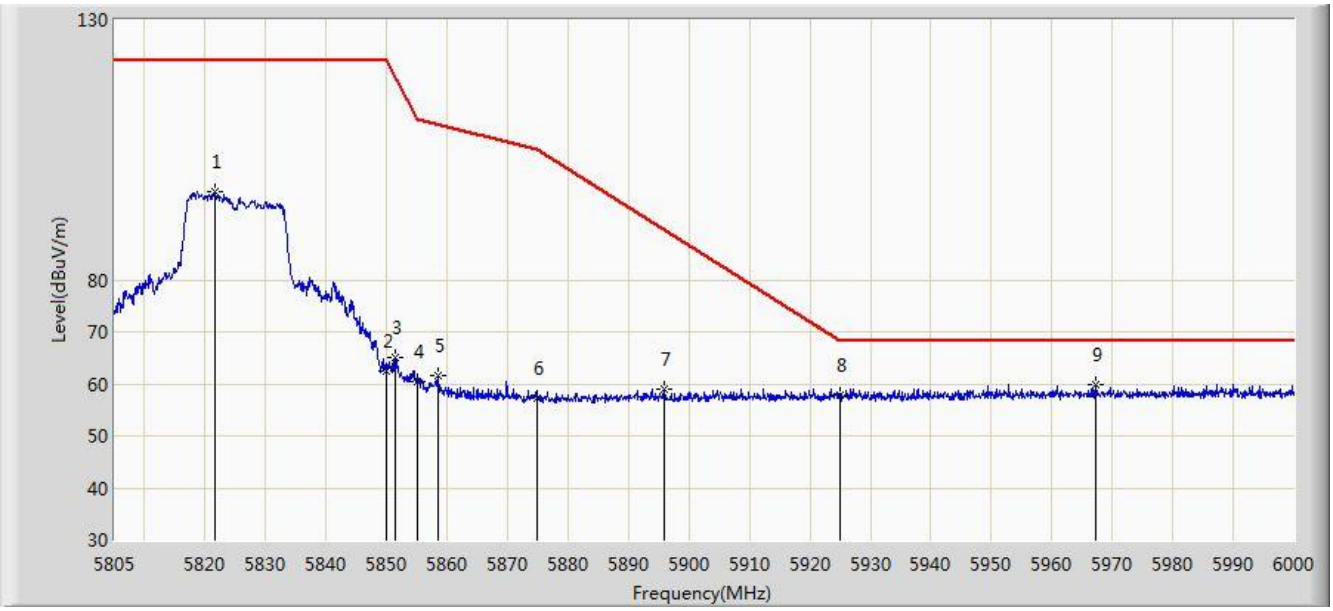


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5605.692	59.419	54.879	-8.781	68.200	4.540	PK
2			5650.000	57.884	53.213	-10.316	68.200	4.671	PK
3			5699.990	72.205	67.327	-32.987	105.193	4.878	PK
4			5700.000	72.083	67.205	-33.117	105.200	4.878	PK
5			5717.645	87.120	82.138	-23.022	110.142	4.982	PK
6			5720.000	86.698	81.701	-24.102	110.800	4.997	PK
7			5724.822	95.867	90.839	-25.927	121.794	5.028	PK
8			5725.000	96.080	91.051	-26.120	122.200	5.029	PK
9		*	5747.675	118.884	113.714	N/A	N/A	5.170	PK

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

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

Site: AC1	Time: 2017/12/07 - 00:07
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0	

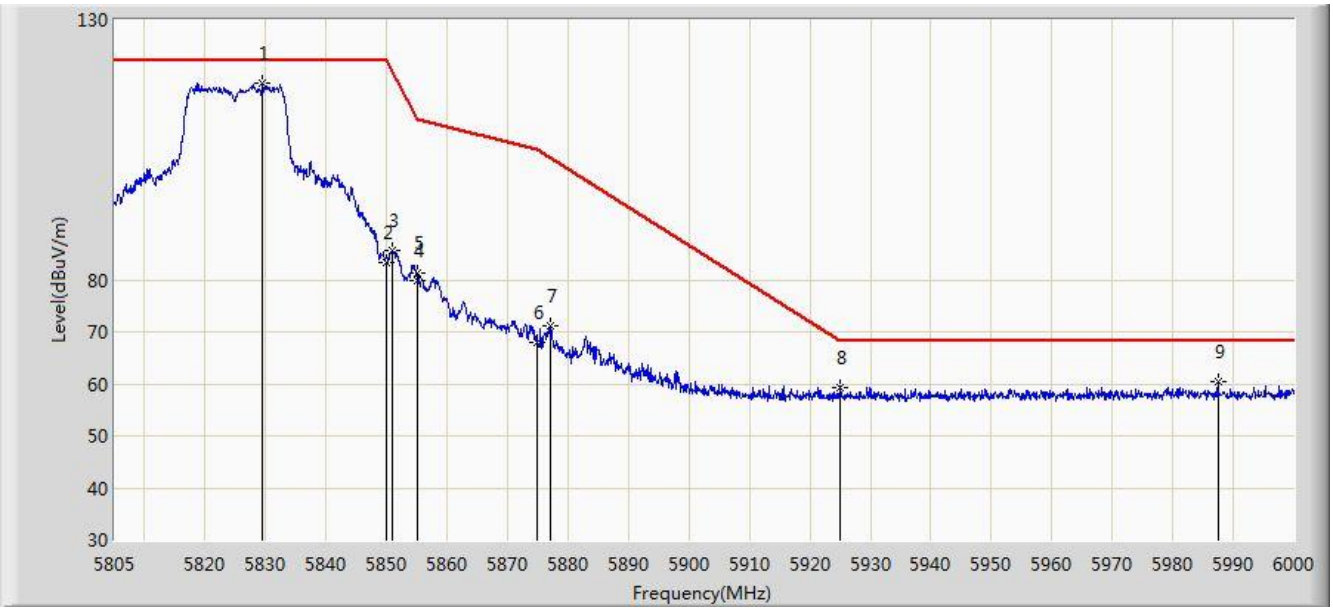


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.672	96.950	91.382	N/A	N/A	5.568	PK
2			5850.000	62.418	56.692	-59.782	122.200	5.726	PK
3			5851.312	65.070	59.339	-54.138	119.208	5.731	PK
4			5855.000	60.299	54.553	-50.501	110.800	5.746	PK
5			5858.625	61.496	55.735	-48.287	109.784	5.761	PK
6			5875.000	57.149	51.329	-48.051	105.200	5.820	PK
7			5895.870	59.037	53.146	-30.681	89.718	5.891	PK
8			5925.000	57.748	51.782	-10.452	68.200	5.967	PK
9		*	5967.337	60.000	53.944	-8.200	68.200	6.057	PK

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

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

Site: AC1	Time: 2017/12/07 - 00:06
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0	

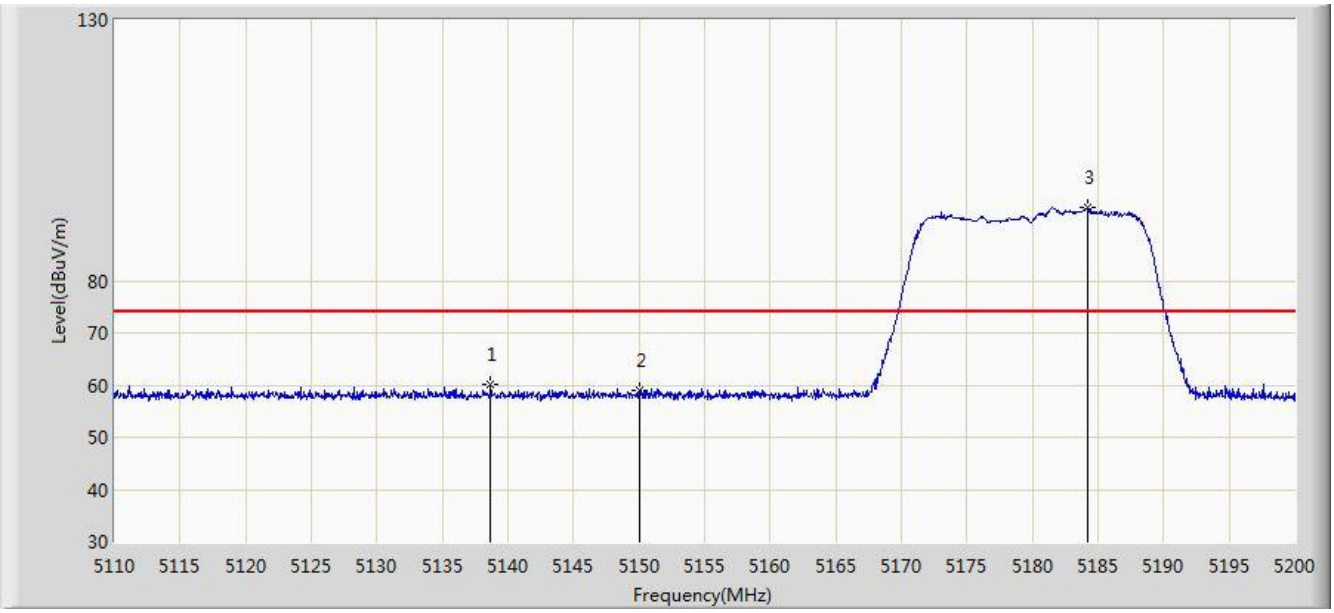


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5829.473	117.780	112.166	N/A	N/A	5.614	PK
2			5850.000	83.318	77.592	-38.882	122.200	5.726	PK
3			5850.825	85.784	80.055	-34.534	120.318	5.729	PK
4			5855.000	79.754	74.008	-31.046	110.800	5.746	PK
5			5855.212	81.214	75.467	-29.526	110.741	5.746	PK
6			5875.000	68.027	62.207	-37.173	105.200	5.820	PK
7			5877.053	71.167	65.340	-32.508	103.675	5.827	PK
8			5925.000	59.199	53.233	-9.001	68.200	5.967	PK
9			5987.422	60.418	54.328	-7.782	68.200	6.090	PK

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

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

Site: AC1	Time: 2017/12/14 - 10:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

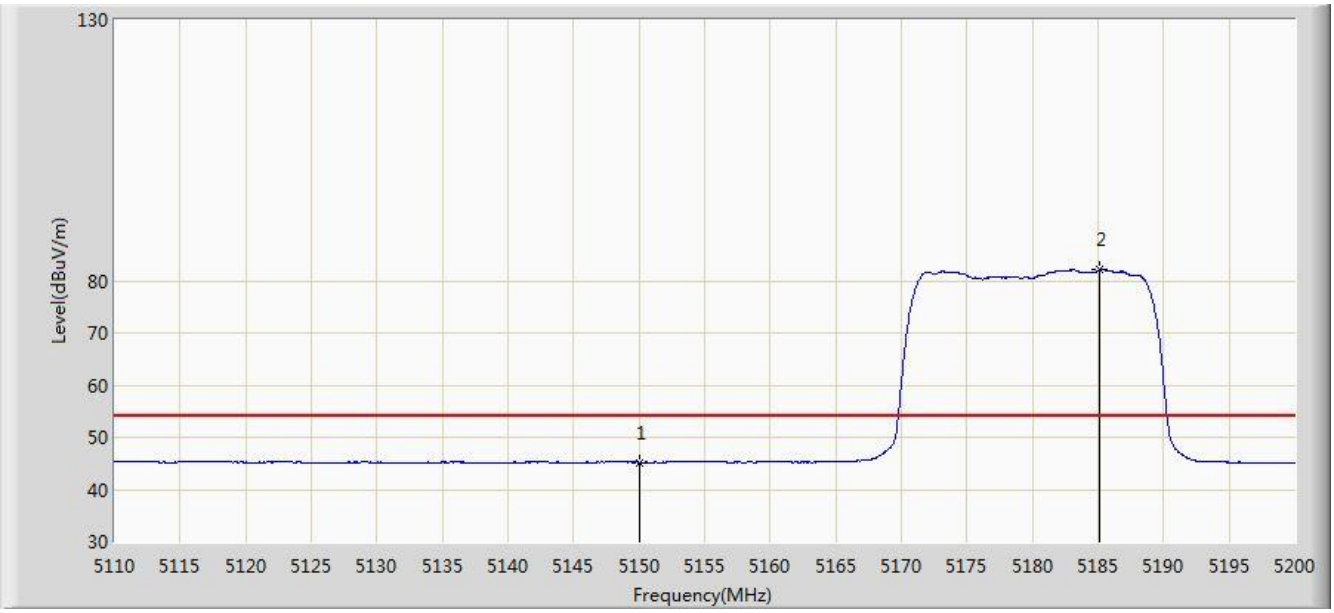


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5138.665	60.082	55.907	-13.918	74.000	4.175	PK
2			5150.000	58.954	54.785	-15.046	74.000	4.170	PK
3		*	5184.205	94.115	90.061	N/A	N/A	4.053	PK

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: 2017/12/14 - 10:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

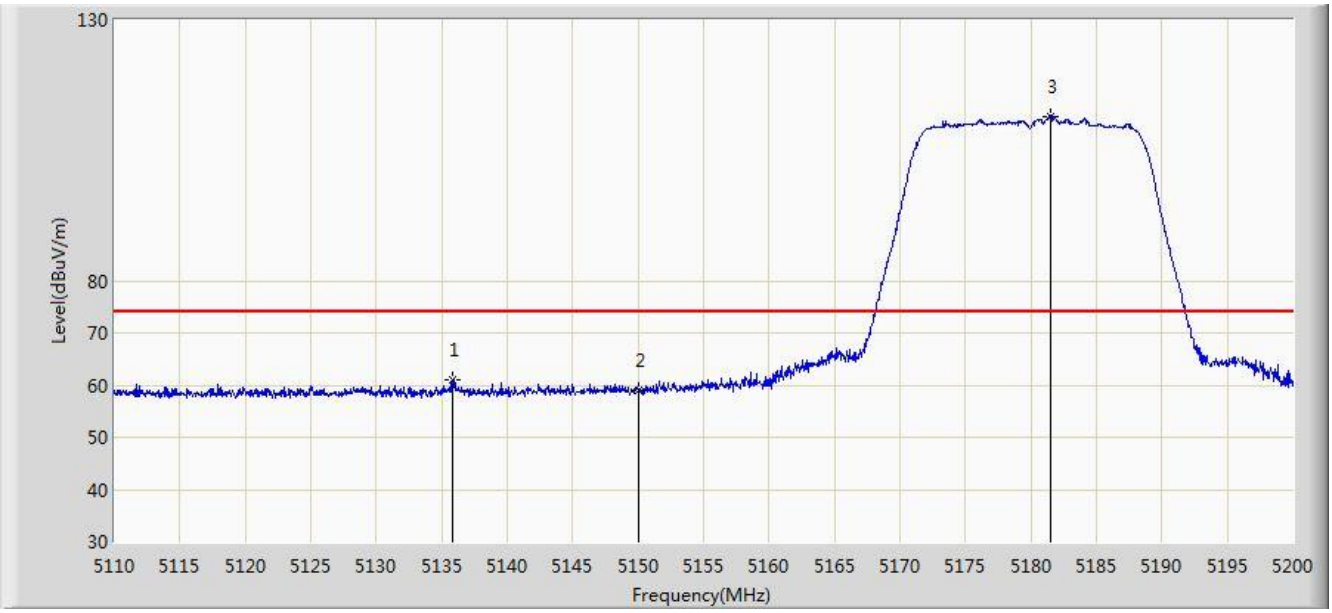


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.199	41.030	-8.801	54.000	4.170	AV
2		*	5185.105	82.053	78.002	N/A	N/A	4.050	AV

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

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

Site: AC1	Time: 2017/12/14 - 10:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

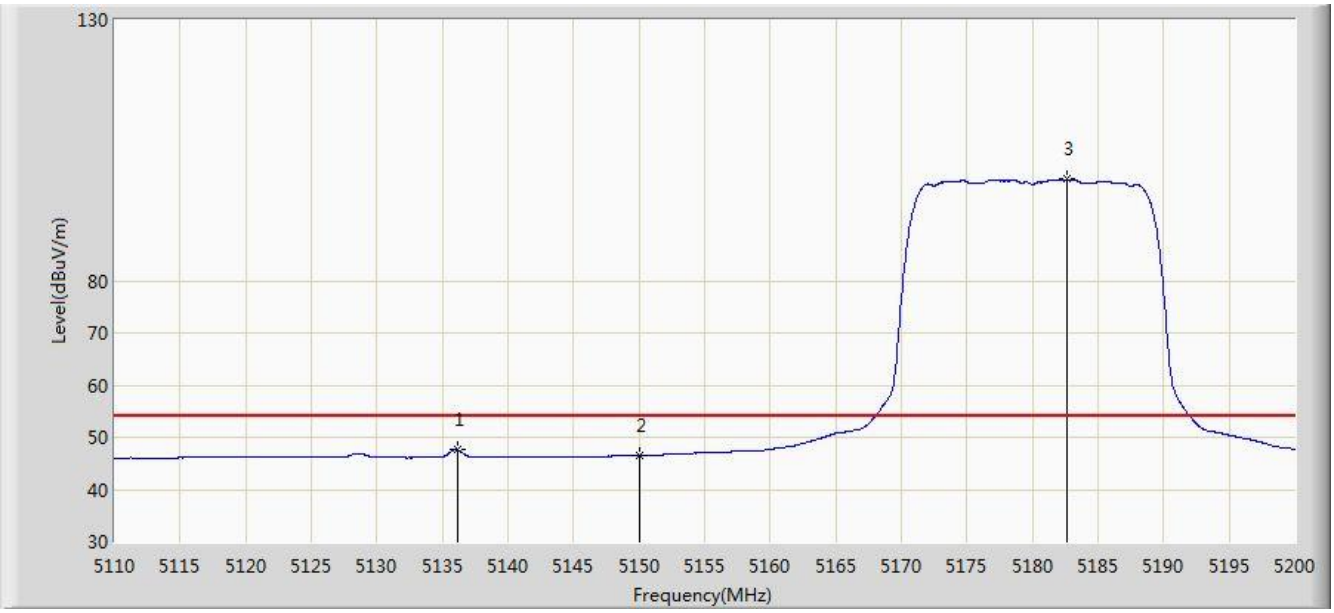


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.785	60.973	56.798	-13.027	74.000	4.175	PK
2			5150.000	58.878	54.709	-15.122	74.000	4.170	PK
3		*	5181.460	111.591	107.527	N/A	N/A	4.064	PK

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: 2017/12/14 - 10:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0	

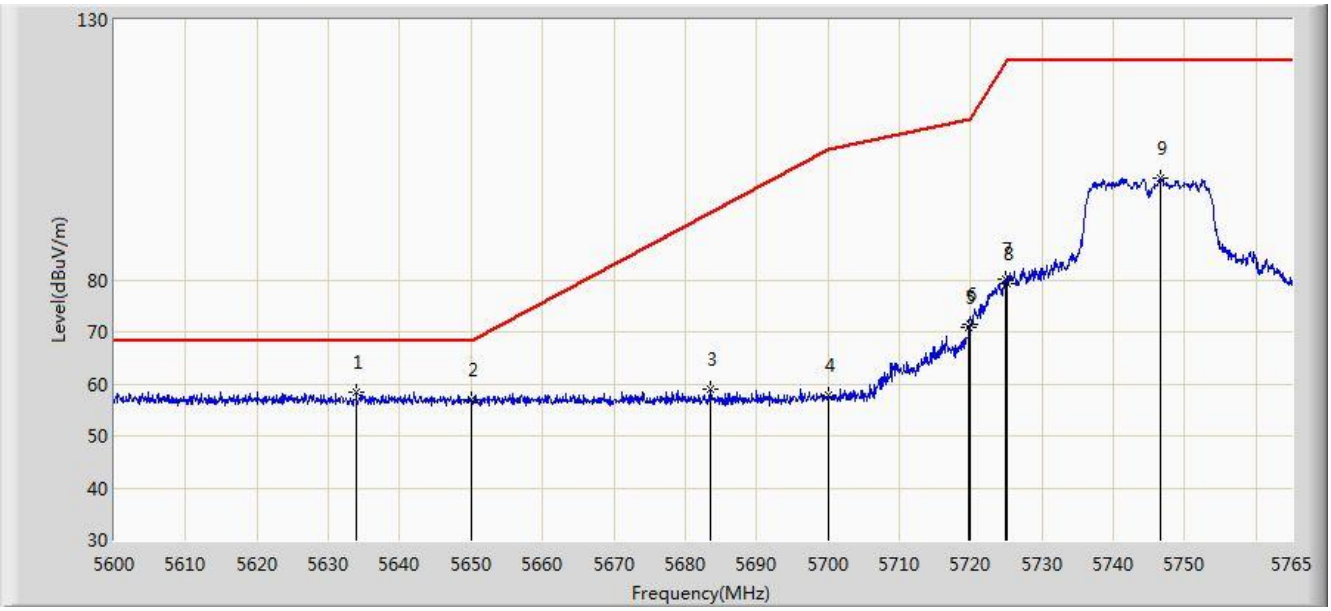


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.145	47.561	43.386	-6.439	54.000	4.175	AV
2			5150.000	46.499	42.330	-7.501	54.000	4.170	AV
3		*	5182.630	99.423	95.363	N/A	N/A	4.060	AV

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

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

Site: AC1	Time: 2017/12/07 - 00:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0	

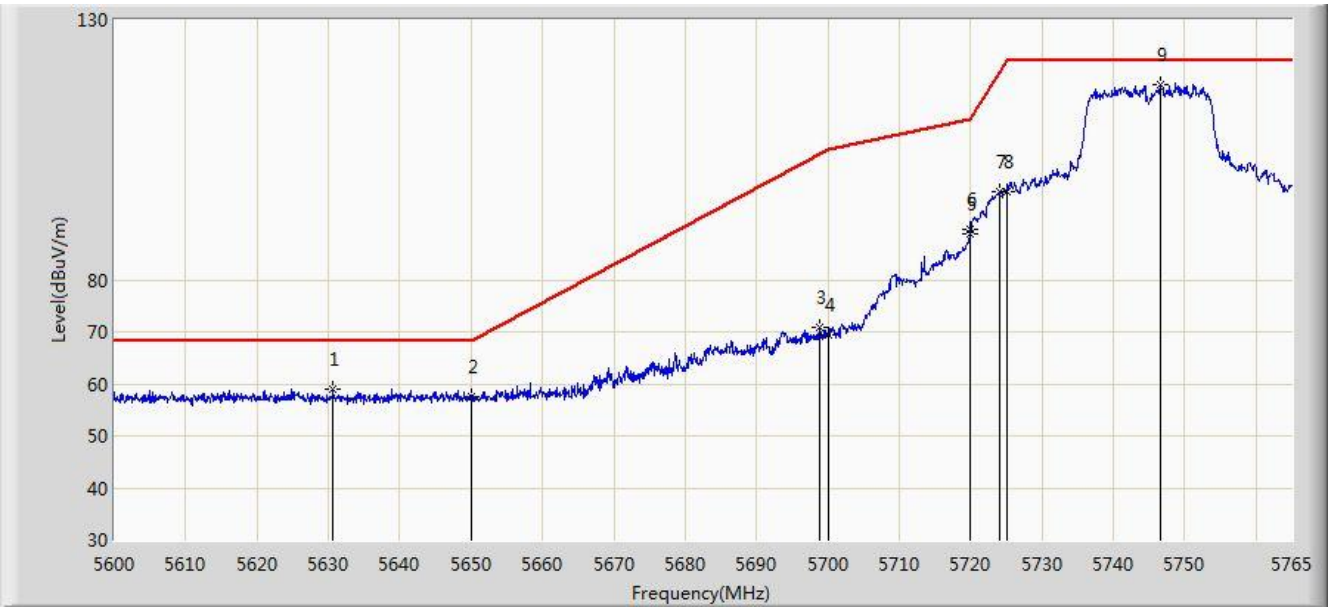


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5633.908	58.267	53.647	-9.933	68.200	4.621	PK
2			5650.000	57.034	52.363	-11.166	68.200	4.671	PK
3			5683.572	58.933	54.131	-34.147	93.079	4.802	PK
4			5700.000	57.750	52.872	-47.450	105.200	4.878	PK
5			5719.708	70.875	65.880	-39.843	110.718	4.995	PK
6			5720.000	71.384	66.387	-39.416	110.800	4.997	PK
7			5724.822	80.261	75.233	-41.533	121.794	5.028	PK
8			5725.000	79.277	74.248	-42.923	122.200	5.029	PK
9			5746.603	99.463	94.299	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/07 - 00:43
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0	

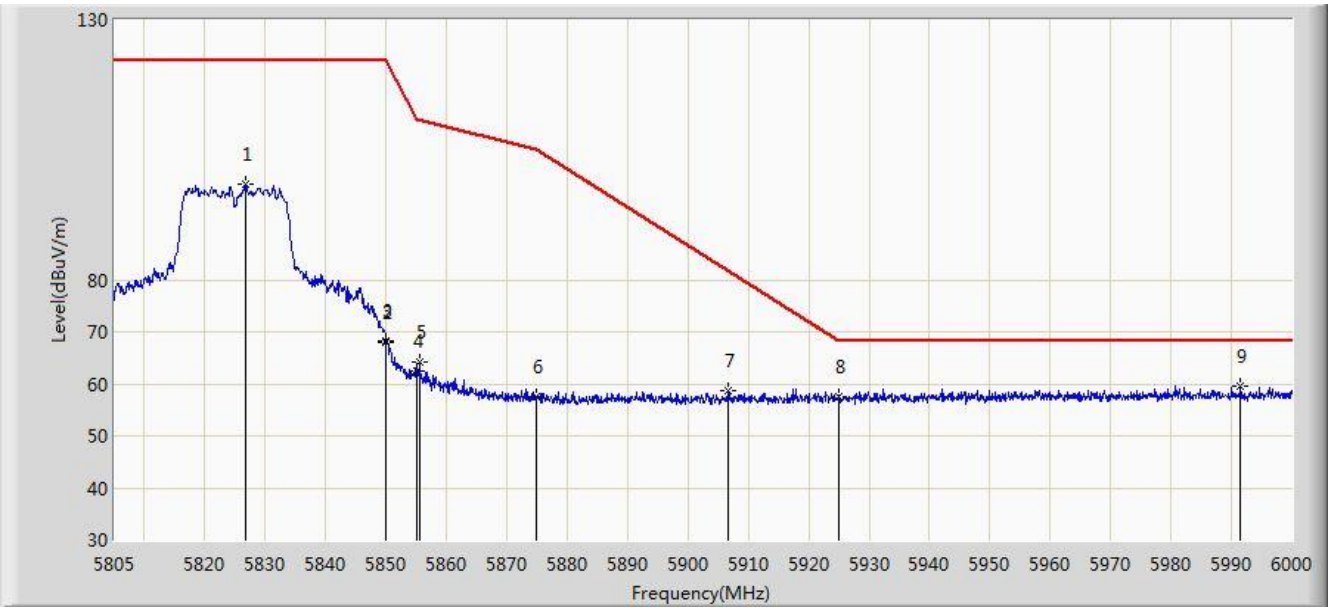


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5630.690	59.113	54.502	-9.087	68.200	4.611	PK
2			5650.000	57.666	52.995	-10.534	68.200	4.671	PK
3			5698.917	70.960	66.087	-33.443	104.402	4.872	PK
4			5700.000	69.519	64.641	-35.681	105.200	4.878	PK
5			5719.873	88.750	83.754	-22.014	110.765	4.997	PK
6			5720.000	89.570	84.573	-21.230	110.800	4.997	PK
7			5723.998	96.929	91.906	-22.988	119.916	5.022	PK
8			5725.000	96.913	91.884	-25.287	122.200	5.029	PK
9		*	5746.603	117.602	112.438	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/07 - 00:49
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0	

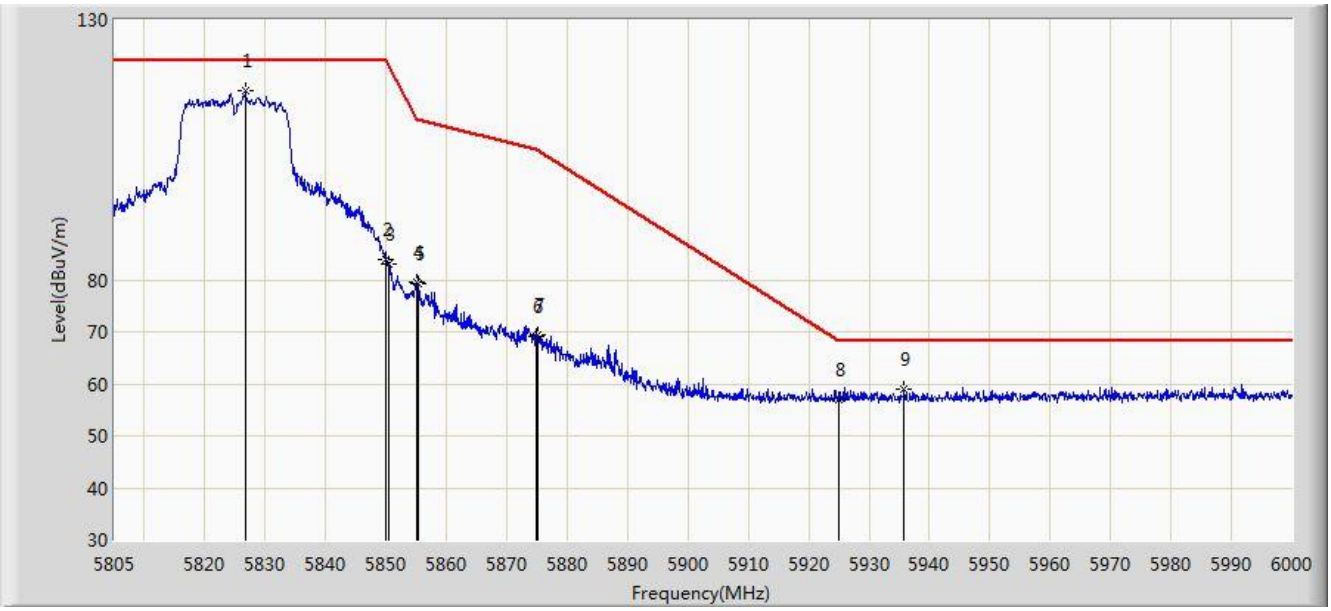


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.743	98.322	92.724	N/A	N/A	5.599	PK
2			5850.000	67.911	62.185	-54.289	122.200	5.726	PK
3			5850.045	68.333	62.607	-53.765	122.097	5.726	PK
4			5855.000	62.518	56.772	-48.282	110.800	5.746	PK
5			5855.505	64.072	58.324	-46.586	110.658	5.749	PK
6			5875.000	57.614	51.794	-47.586	105.200	5.820	PK
7			5906.692	58.762	52.841	-22.950	81.712	5.920	PK
8			5925.000	57.670	51.704	-10.530	68.200	5.967	PK
9		*	5991.518	59.665	53.569	-8.535	68.200	6.097	PK

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

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

Site: AC1	Time: 2017/12/07 - 00:47
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0	

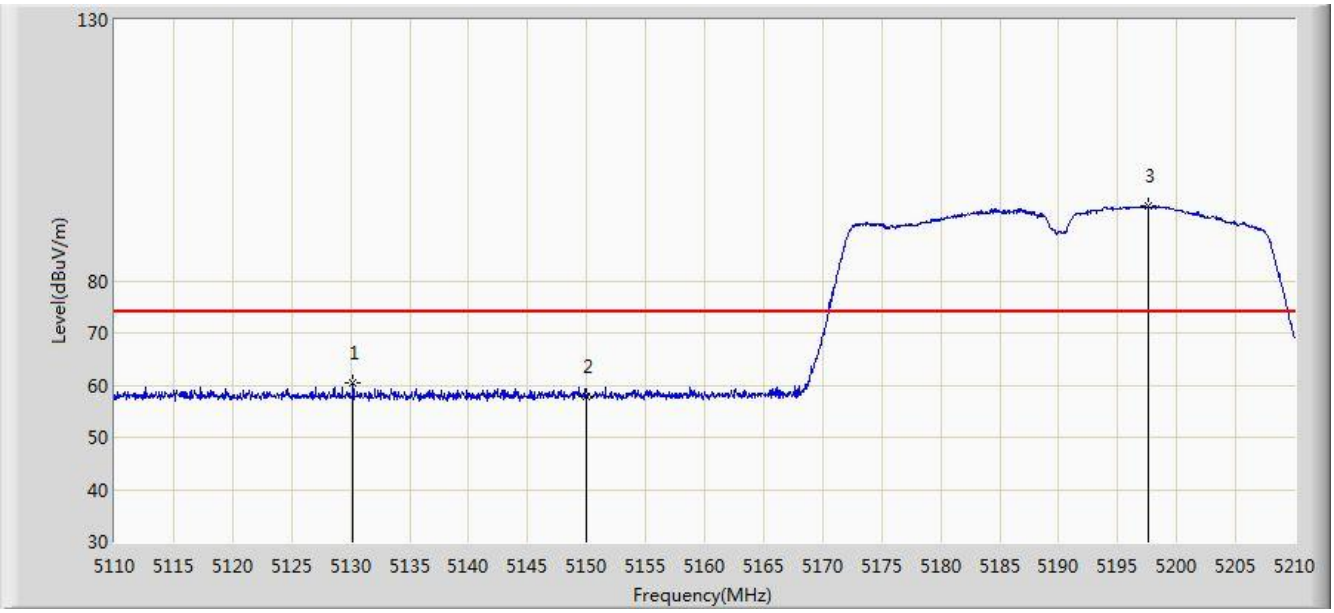


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.743	116.262	110.664	N/A	N/A	5.599	PK
2			5850.000	83.850	78.124	-38.350	122.200	5.726	PK
3			5850.533	83.168	77.440	-37.817	120.984	5.727	PK
4			5855.000	79.475	73.729	-31.325	110.800	5.746	PK
5			5855.408	79.284	73.536	-31.402	110.686	5.749	PK
6			5875.000	69.174	63.354	-36.026	105.200	5.820	PK
7			5875.200	69.311	63.490	-35.741	105.051	5.820	PK
8			5925.000	56.977	51.011	-11.223	68.200	5.967	PK
9			5935.845	58.942	52.949	-9.258	68.200	5.993	PK

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

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

Site: AC1	Time: 2017/12/14 - 10:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

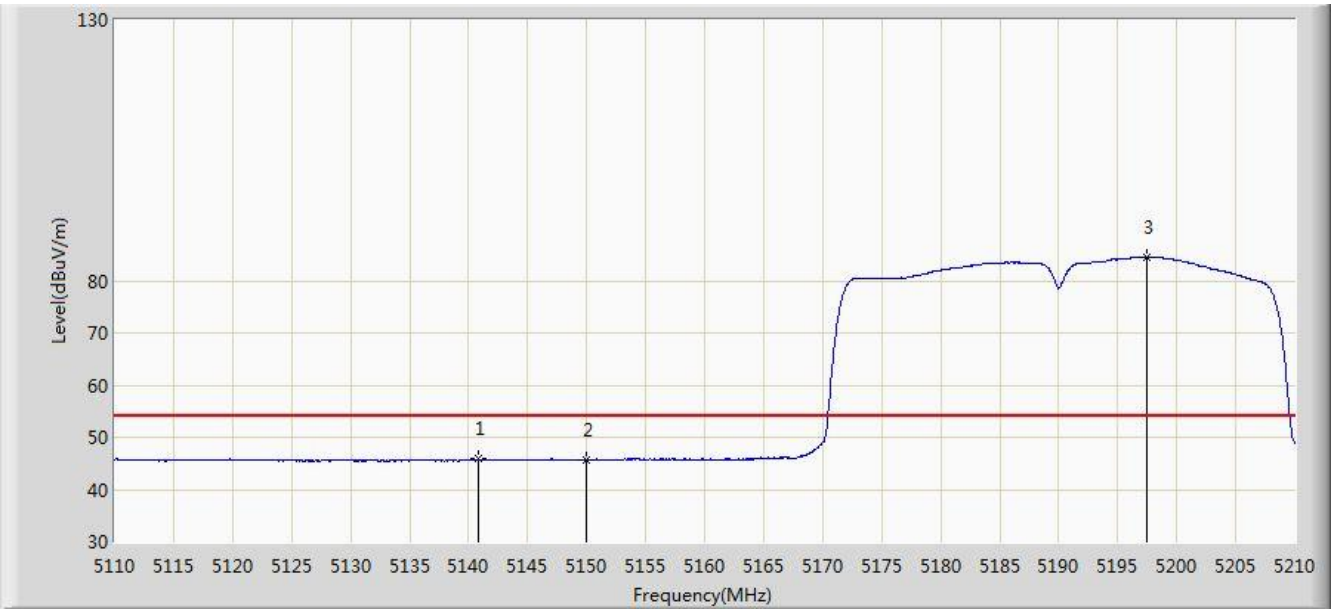


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.200	60.557	56.382	-13.443	74.000	4.175	PK
2			5150.000	57.690	53.521	-16.310	74.000	4.170	PK
3		*	5197.550	94.241	90.234	N/A	N/A	4.006	PK

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: 2017/12/14 - 10:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

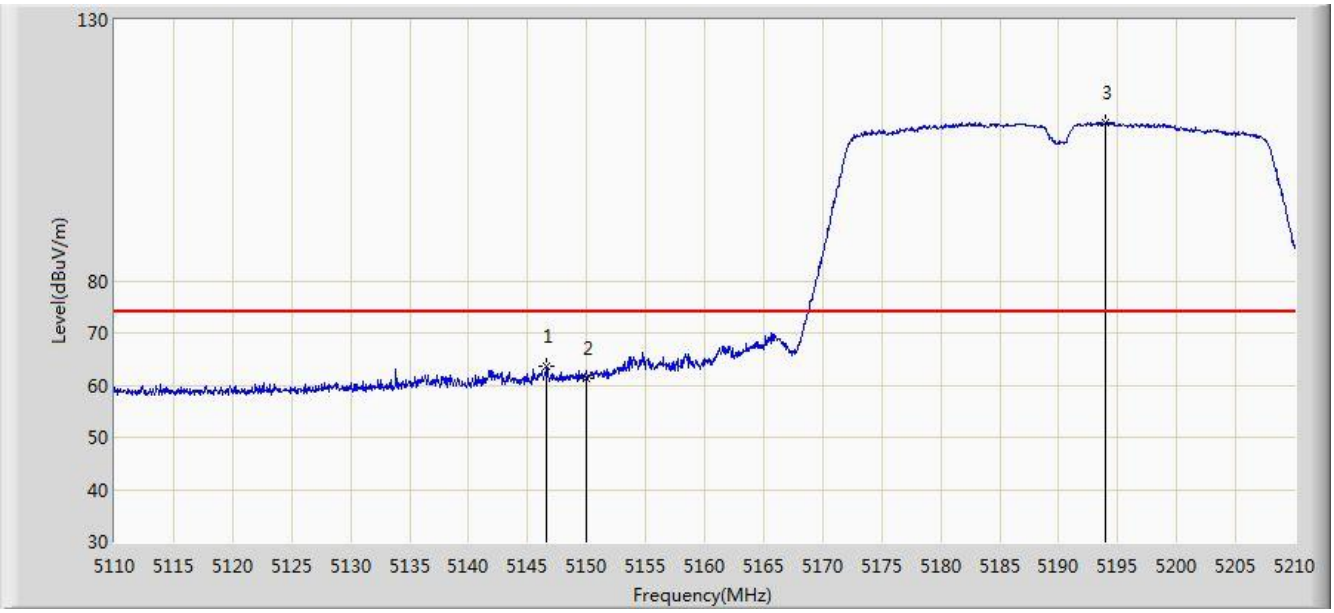


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.800	45.875	41.699	-8.125	54.000	4.176	AV
2			5150.000	45.787	41.618	-8.213	54.000	4.170	AV
3		*	5197.500	84.580	80.573	N/A	N/A	4.006	AV

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

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

Site: AC1	Time: 2017/12/14 - 10:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

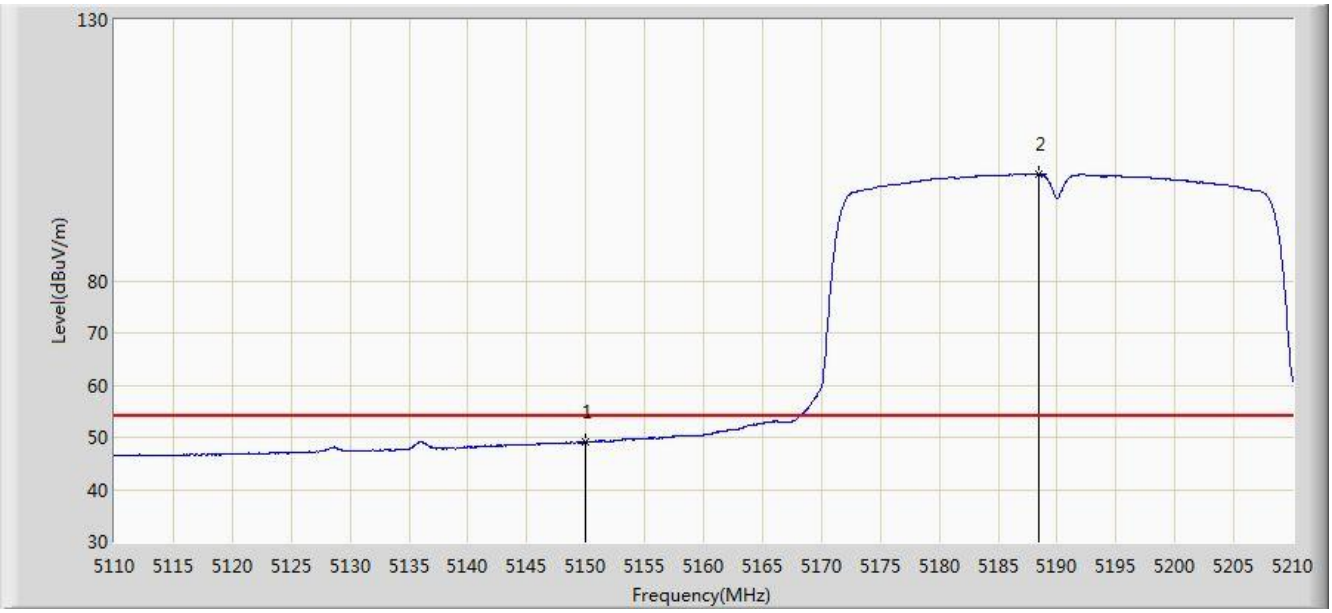


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.650	63.546	59.370	-10.454	74.000	4.176	PK
2			5150.000	61.278	57.109	-12.722	74.000	4.170	PK
3		*	5193.950	110.334	106.315	N/A	N/A	4.019	PK

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: 2017/12/14 - 10:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 0	

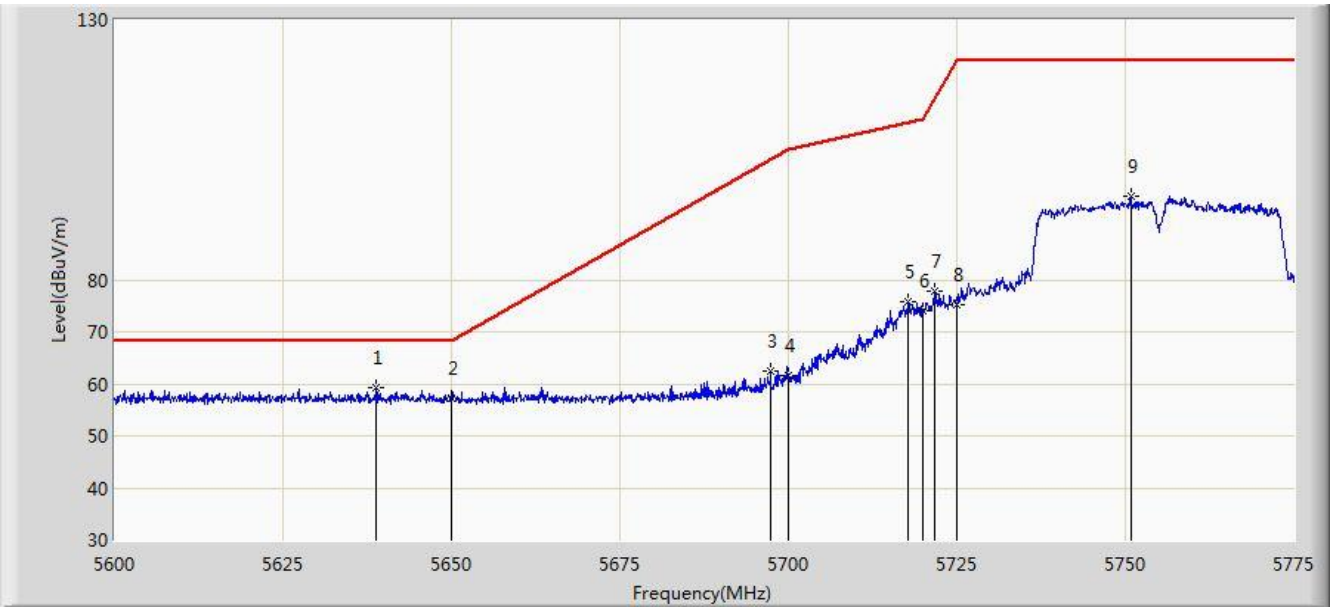


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.095	44.926	-4.905	54.000	4.170	AV
2		*	5188.450	100.375	96.336	N/A	N/A	4.039	AV

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

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

Site: AC1	Time: 2017/12/07 - 01:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0	

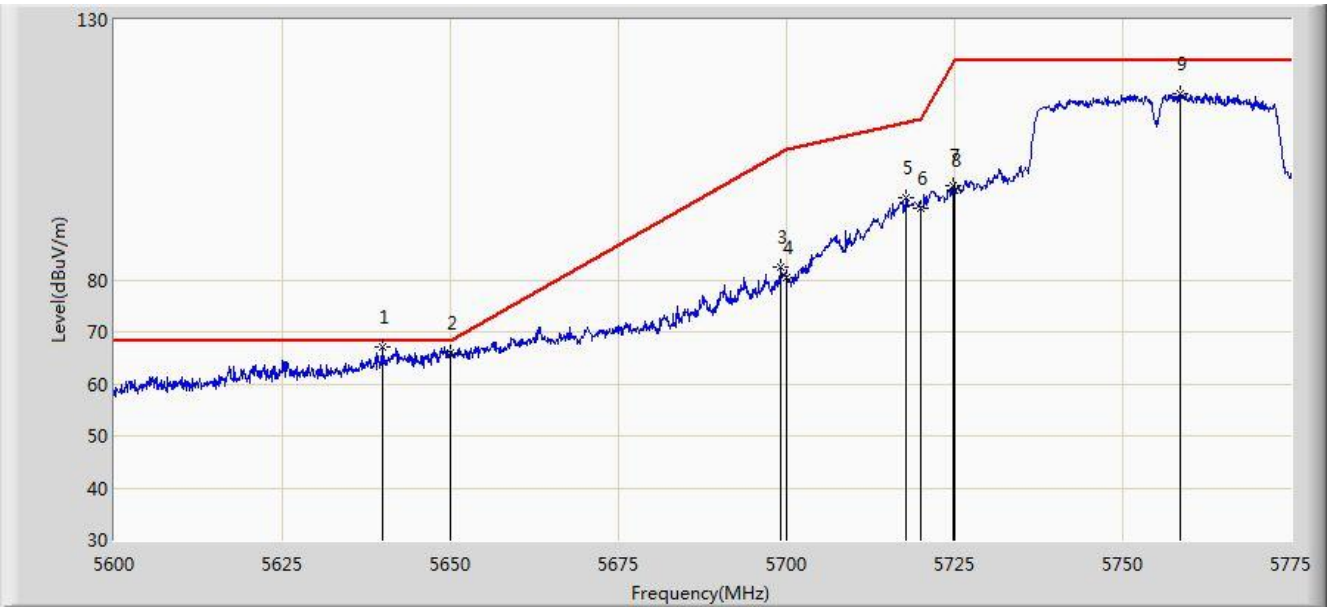


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.850	59.368	54.733	-8.832	68.200	4.635	PK
2			5650.000	57.353	52.682	-10.847	68.200	4.671	PK
3			5697.388	62.597	57.733	-40.678	103.275	4.865	PK
4			5700.000	61.685	56.807	-43.515	105.200	4.878	PK
5			5717.775	75.689	70.706	-34.489	110.178	4.983	PK
6			5720.000	74.074	69.077	-36.726	110.800	4.997	PK
7			5721.800	77.820	72.812	-37.085	114.905	5.008	PK
8			5725.000	75.100	70.071	-47.100	122.200	5.029	PK
9			5750.850	96.055	90.867	N/A	N/A	5.187	PK

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

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

Site: AC1	Time: 2017/12/07 - 01:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0	

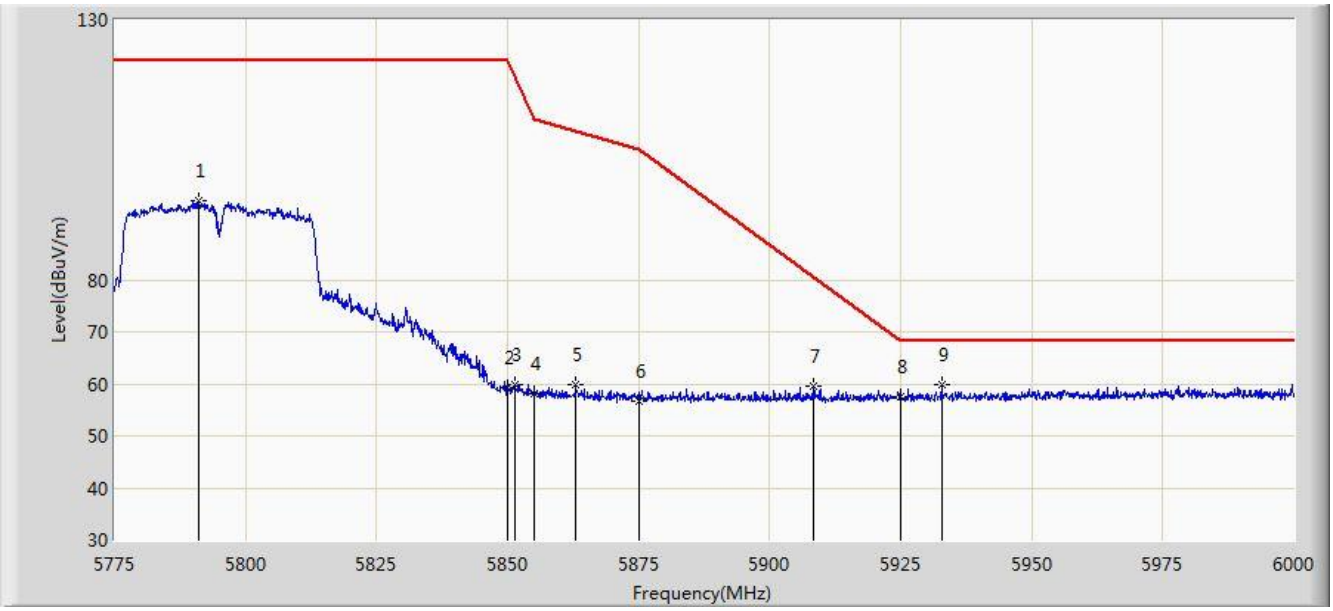


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.987	67.166	62.528	-1.034	68.200	4.638	PK
2			5650.000	65.929	61.258	-2.271	68.200	4.671	PK
3			5699.225	82.395	77.521	-22.234	104.629	4.874	PK
4			5700.000	80.440	75.562	-24.760	105.200	4.878	PK
5			5717.775	95.856	90.873	-14.322	110.178	4.983	PK
6			5720.000	93.749	88.752	-17.051	110.800	4.997	PK
7			5724.775	97.989	92.961	-23.699	121.687	5.028	PK
8			5725.000	97.273	92.244	-24.927	122.200	5.029	PK
9			5758.462	115.859	110.628	N/A	N/A	5.232	PK

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

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

Site: AC1	Time: 2017/12/07 - 01:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US79	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0	

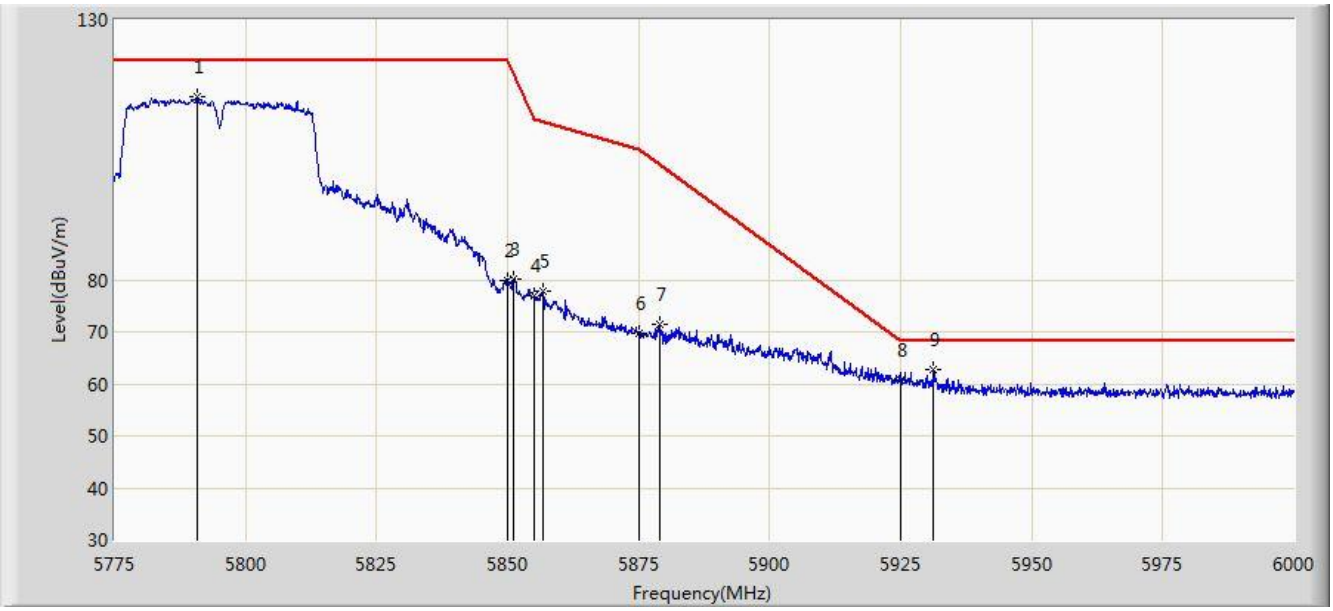


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5790.975	95.093	89.696	N/A	N/A	5.397	PK
2			5850.000	59.324	53.598	-62.876	122.200	5.726	PK
3			5851.275	59.914	54.183	-59.378	119.292	5.731	PK
4			5855.000	57.990	52.244	-52.810	110.800	5.746	PK
5			5862.975	59.955	54.176	-48.610	108.565	5.779	PK
6			5875.000	56.781	50.961	-48.419	105.200	5.820	PK
7			5908.425	59.556	53.631	-20.874	80.431	5.926	PK
8			5925.000	57.600	51.634	-10.600	68.200	5.967	PK
9			5932.837	59.986	54.000	-8.214	68.200	5.987	PK

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

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

Site: AC1	Time: 2017/12/07 - 01:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US79	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0	

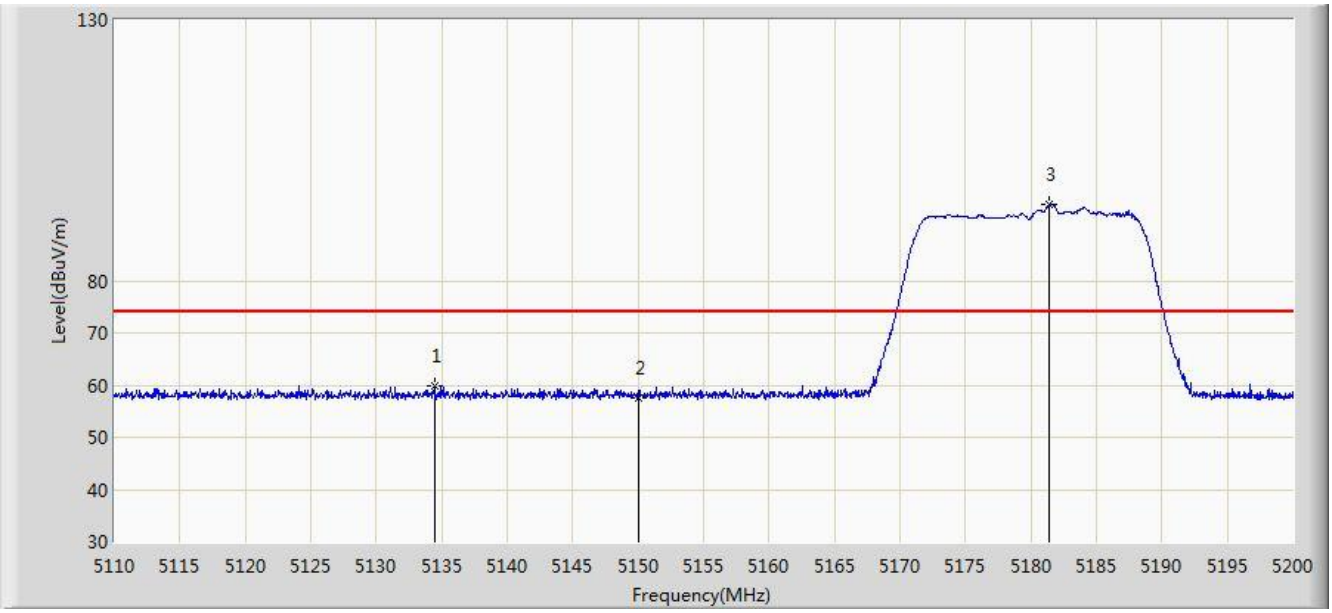


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5790.750	115.076	109.680	N/A	N/A	5.396	PK
2			5850.000	79.746	74.020	-42.454	122.200	5.726	PK
3			5851.163	80.285	74.555	-39.262	119.547	5.731	PK
4			5855.000	76.930	71.184	-33.870	110.800	5.746	PK
5			5856.675	77.701	71.948	-32.629	110.330	5.754	PK
6			5875.000	69.826	64.006	-35.374	105.200	5.820	PK
7			5878.950	71.420	65.587	-30.845	102.266	5.833	PK
8			5925.000	60.615	54.649	-7.585	68.200	5.967	PK
9		*	5931.263	62.728	56.746	-5.472	68.200	5.982	PK

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

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

Site: AC1	Time: 2017/12/14 - 10:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

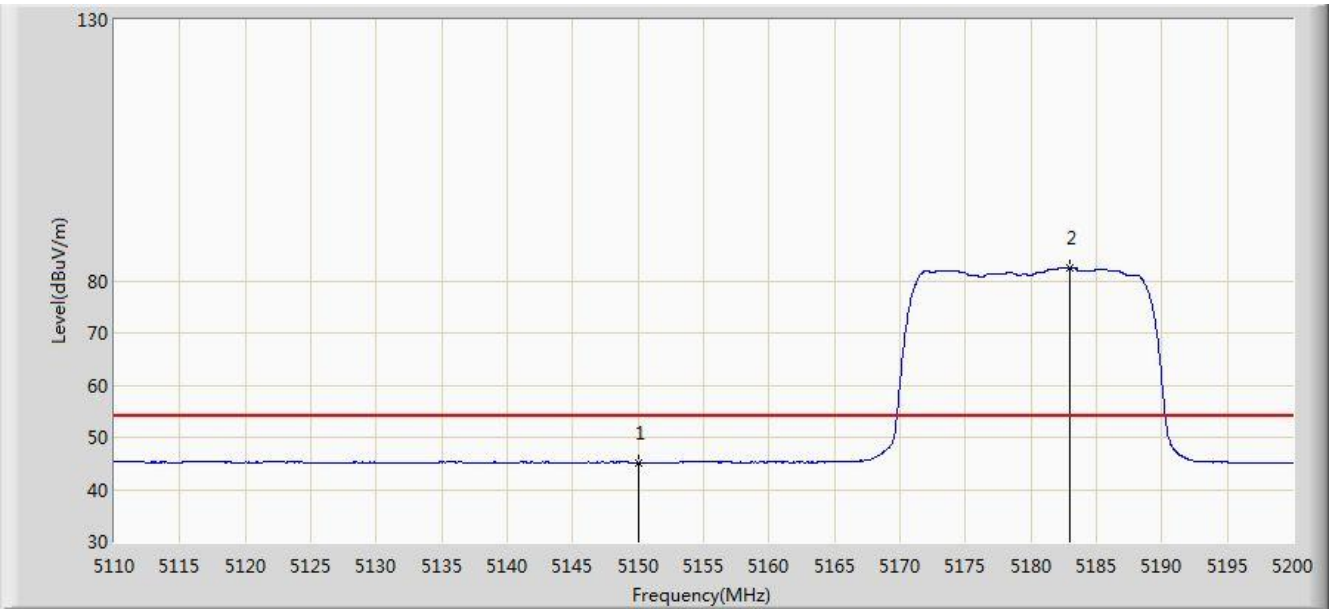


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5134.435	59.831	55.656	-14.169	74.000	4.175	PK
2			5150.000	57.555	53.386	-16.445	74.000	4.170	PK
3		*	5181.415	94.529	90.465	N/A	N/A	4.064	PK

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: 2017/12/14 - 10:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

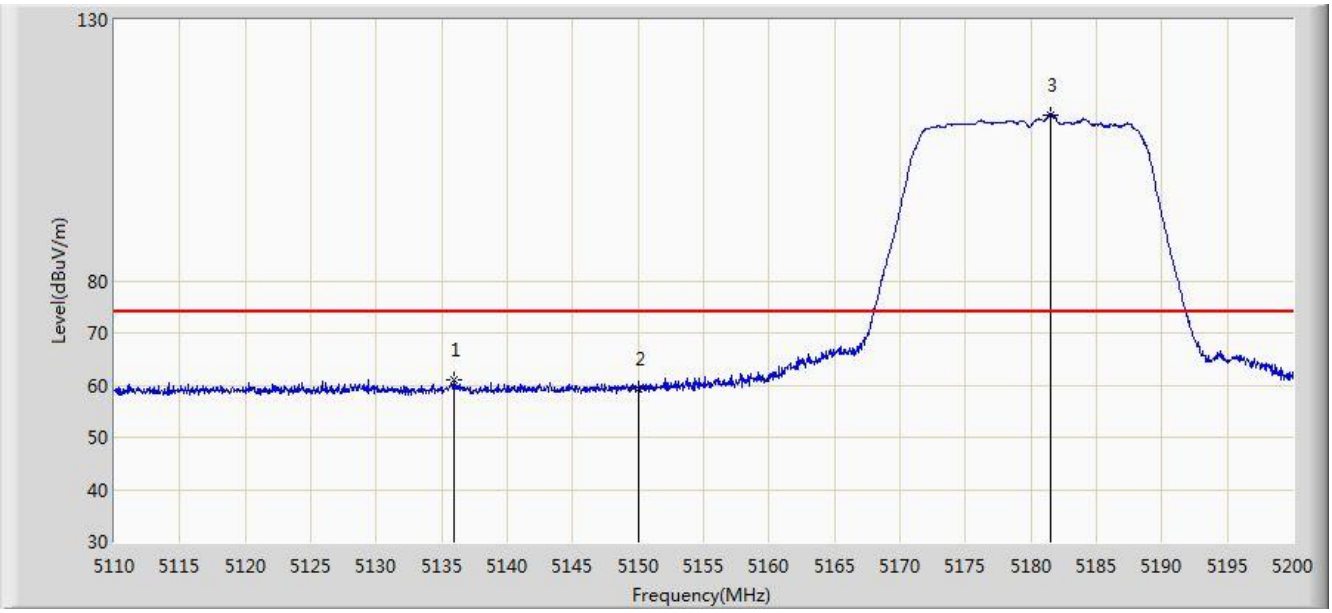


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.213	41.044	-8.787	54.000	4.170	AV
2		*	5182.990	82.542	78.484	N/A	N/A	4.059	AV

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

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

Site: AC1	Time: 2017/12/14 - 10:46
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

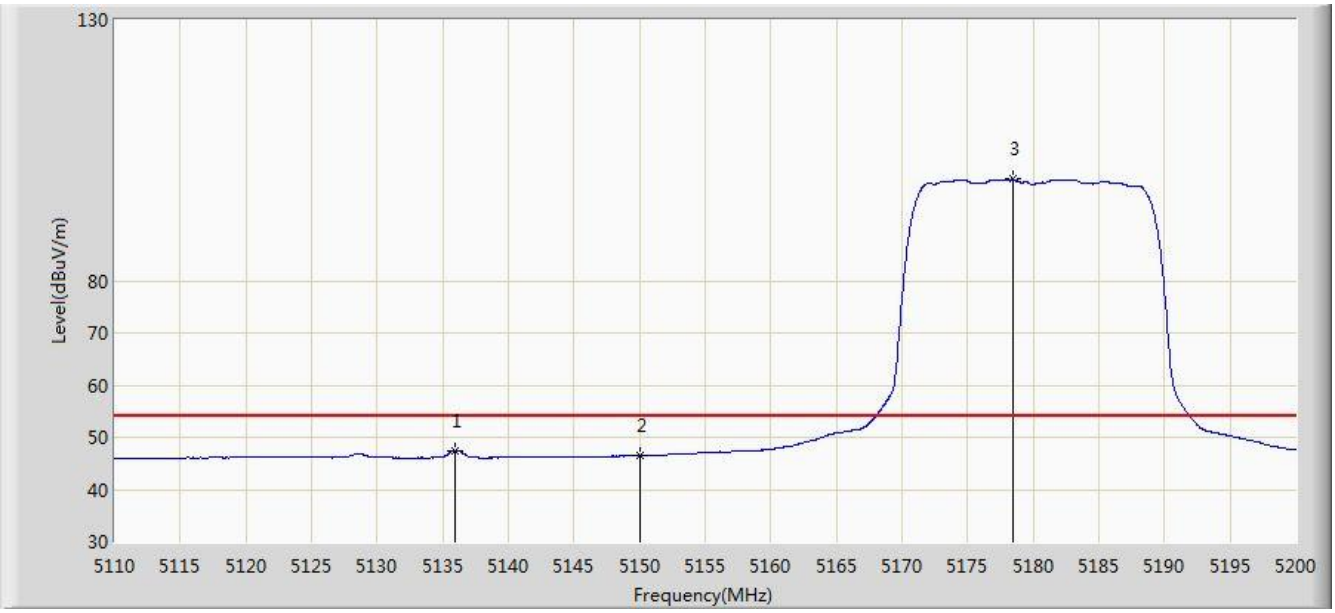


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.920	60.994	56.819	-13.006	74.000	4.175	PK
2			5150.000	59.218	55.049	-14.782	74.000	4.170	PK
3		*	5181.505	111.874	107.811	N/A	N/A	4.064	PK

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: 2017/12/14 - 10:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 0	

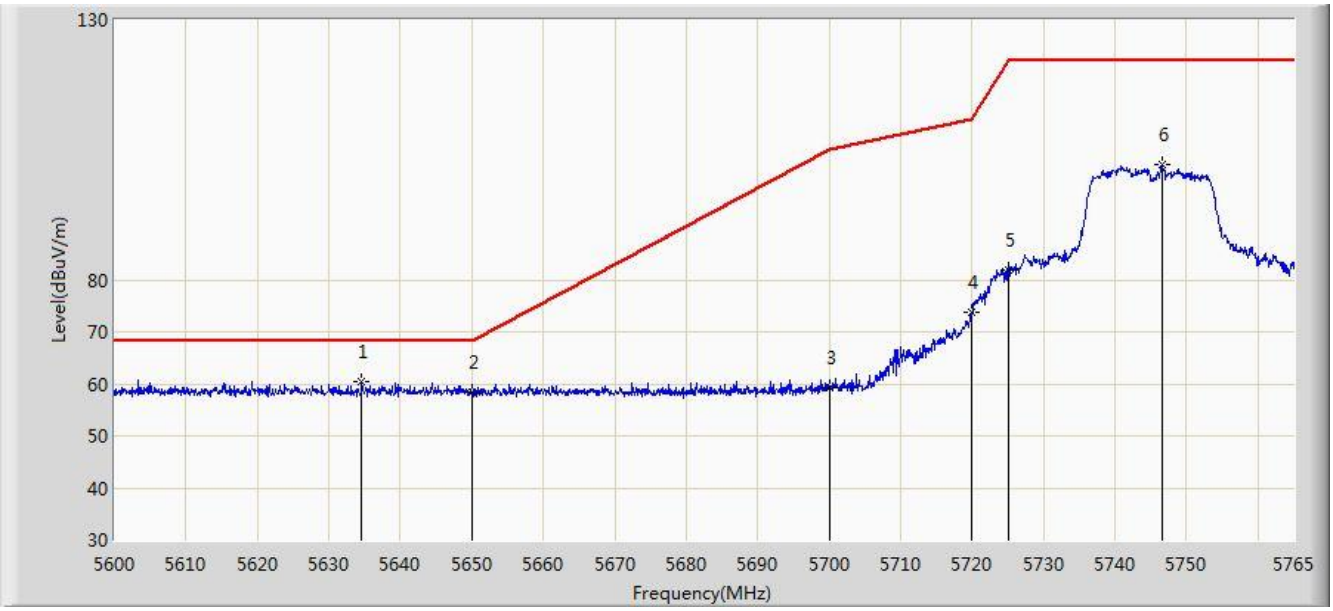


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.965	47.495	43.320	-6.505	54.000	4.175	AV
2			5150.000	46.513	42.344	-7.487	54.000	4.170	AV
3		*	5178.445	99.427	95.353	N/A	N/A	4.074	AV

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

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

Site: AC1	Time: 2017/12/07 - 02:20
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0	

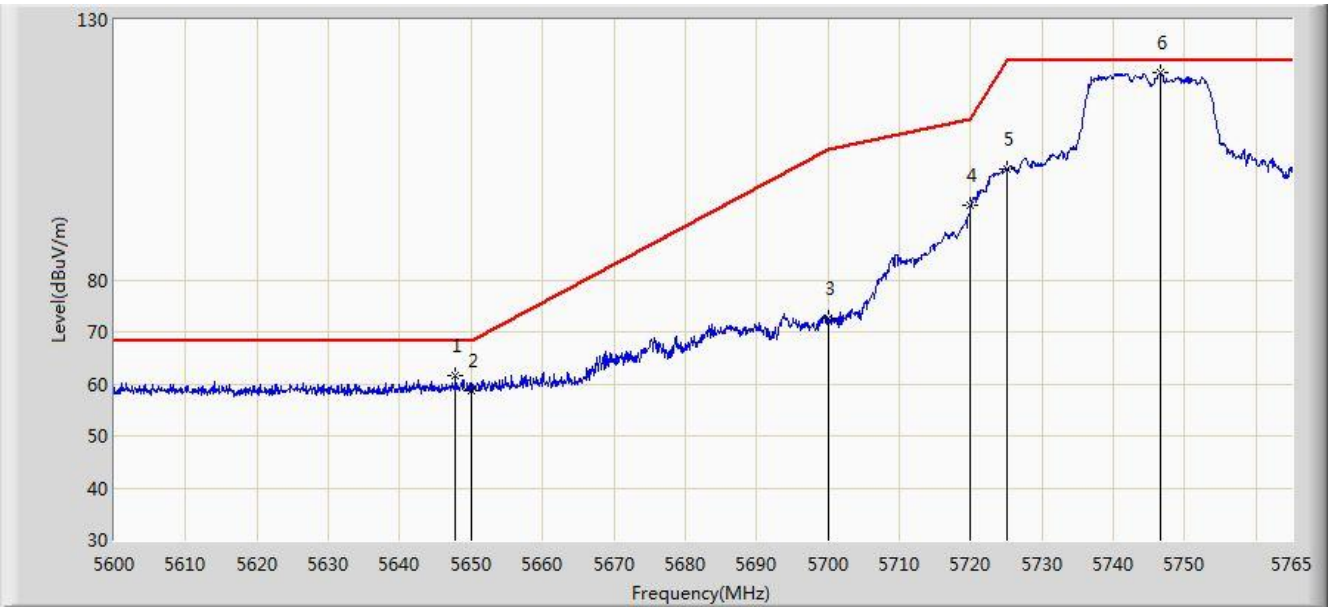


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5634.567	60.505	55.883	-7.695	68.200	4.622	PK
2			5650.000	58.352	53.681	-9.848	68.200	4.671	PK
3			5700.000	59.196	54.318	-46.004	105.200	4.878	PK
4			5720.000	73.714	68.717	-37.086	110.800	4.997	PK
5			5725.000	81.993	76.964	-40.207	122.200	5.029	PK
6			5746.603	102.226	97.062	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/07 - 02:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0	

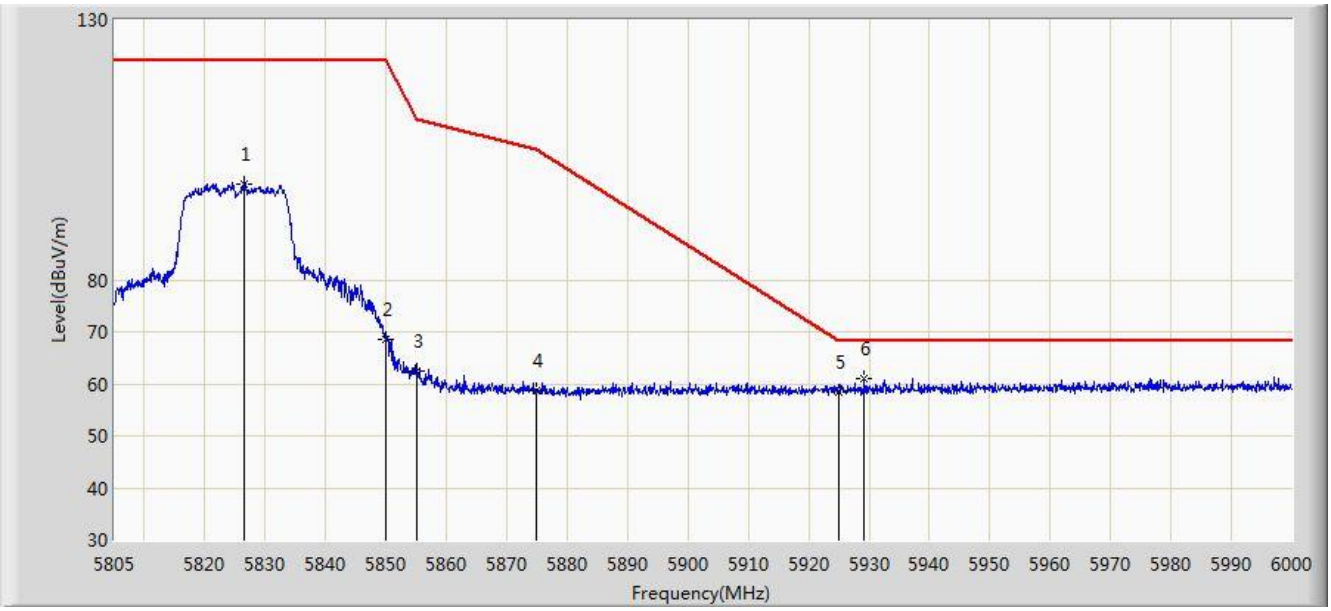


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.850	61.580	56.916	-6.620	68.200	4.664	PK
2			5650.000	58.714	54.043	-9.486	68.200	4.671	PK
3			5700.000	72.635	67.757	-32.565	105.200	4.878	PK
4			5720.000	94.278	89.281	-16.522	110.800	4.997	PK
5			5725.000	101.237	96.208	-20.963	122.200	5.029	PK
6		*	5746.520	119.829	114.665	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2017/12/07 - 02:23
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0	

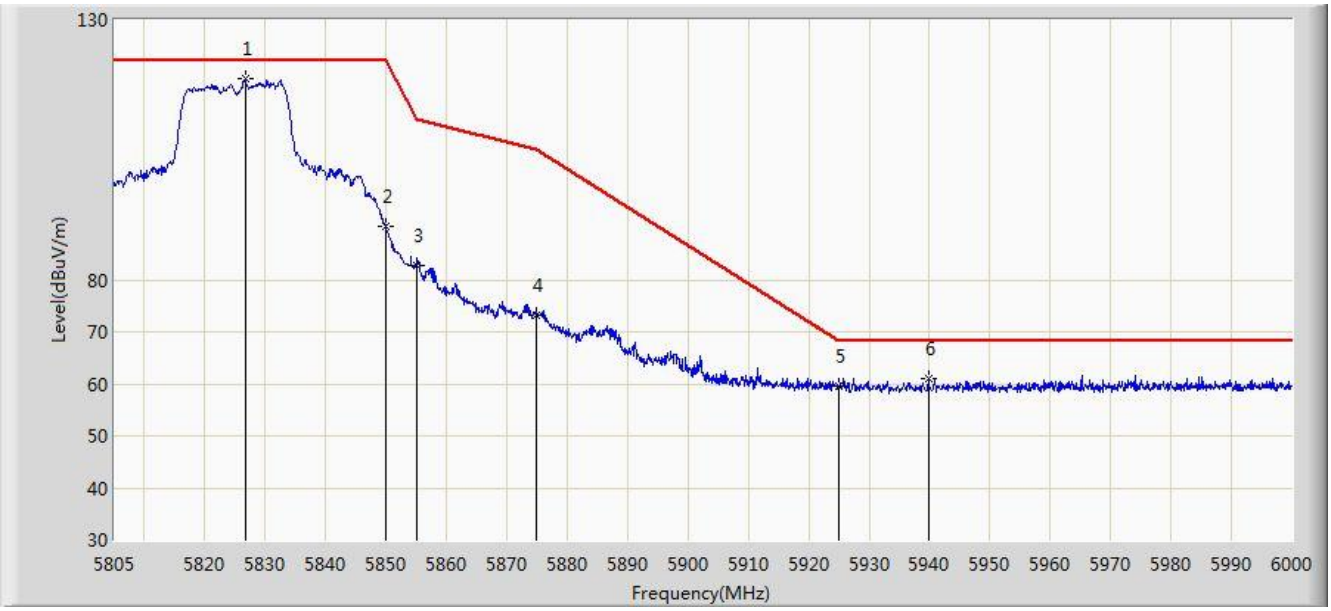


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.547	98.426	92.829	N/A	N/A	5.596	PK
2			5850.000	68.582	62.856	-53.618	122.200	5.726	PK
3			5855.000	62.325	56.579	-48.475	110.800	5.746	PK
4			5875.000	58.696	52.876	-46.504	105.200	5.820	PK
5			5925.000	58.471	52.505	-9.729	68.200	5.967	PK
6		*	5929.215	61.044	55.067	-7.156	68.200	5.977	PK

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

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

Site: AC1	Time: 2017/12/07 - 02:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0	

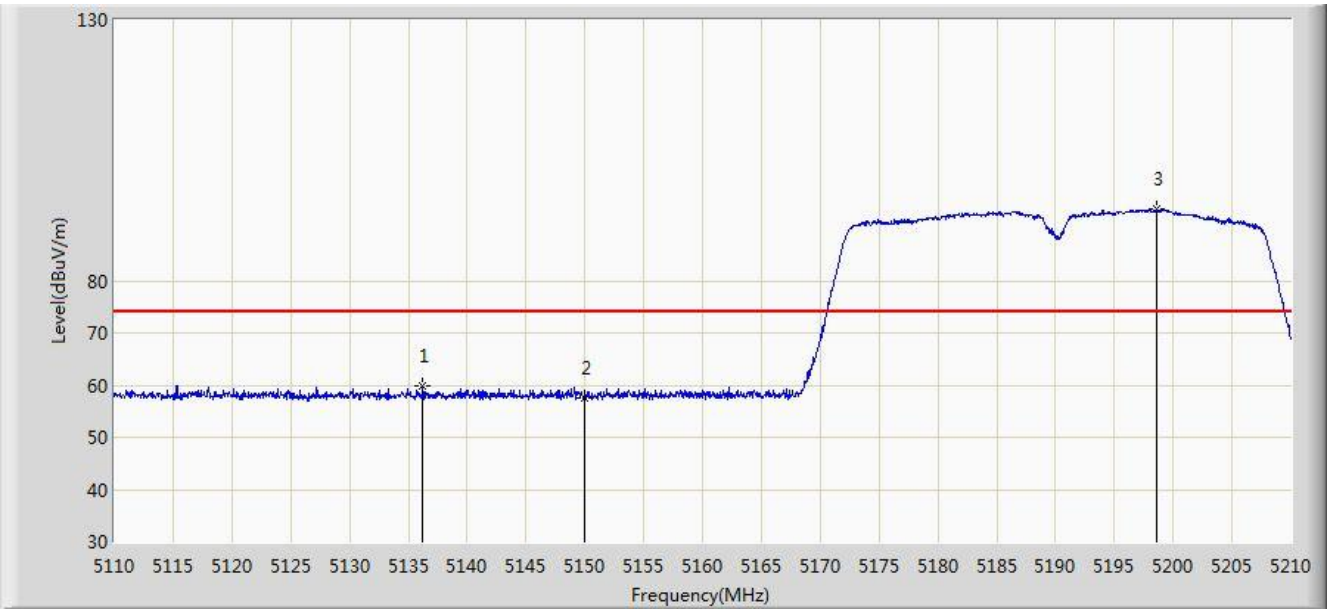


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.645	118.743	113.145	N/A	N/A	5.598	PK
2			5850.000	90.251	84.525	-31.949	122.200	5.726	PK
3			5855.000	82.757	77.011	-28.043	110.800	5.746	PK
4			5875.000	73.216	67.396	-31.984	105.200	5.820	PK
5			5925.000	59.473	53.507	-8.727	68.200	5.967	PK
6			5939.842	61.155	55.152	-7.045	68.200	6.004	PK

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

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

Site: AC1	Time: 2017/12/14 - 10:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

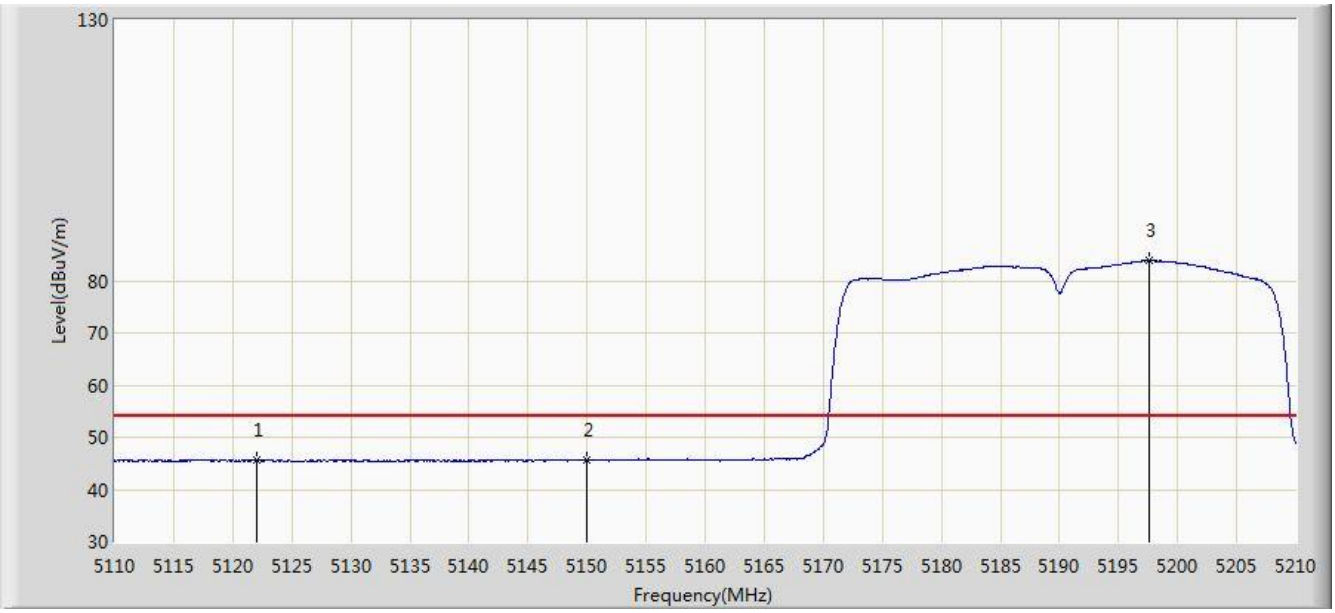


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.250	59.840	55.665	-14.160	74.000	4.175	PK
2			5150.000	57.544	53.375	-16.456	74.000	4.170	PK
3		*	5198.550	93.753	89.750	N/A	N/A	4.003	PK

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: 2017/12/14 - 10:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

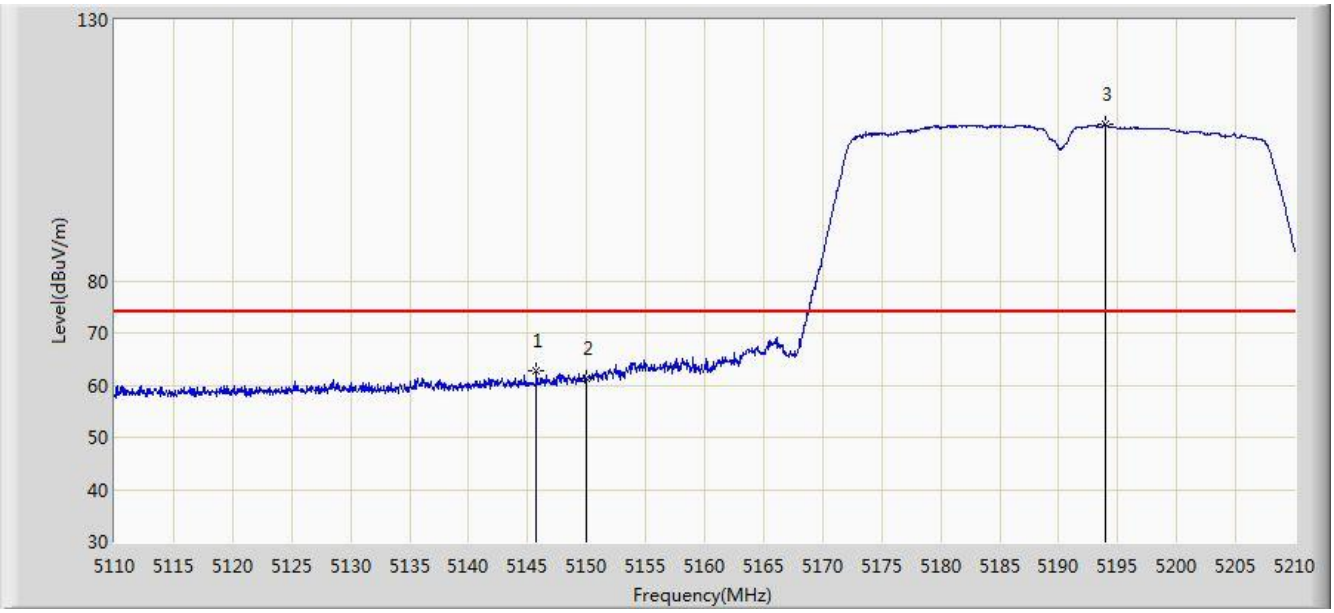


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5122.050	45.774	41.599	-8.226	54.000	4.174	AV
2			5150.000	45.620	41.451	-8.380	54.000	4.170	AV
3		*	5197.550	83.885	79.878	N/A	N/A	4.006	AV

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

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

Site: AC1	Time: 2017/12/14 - 10:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

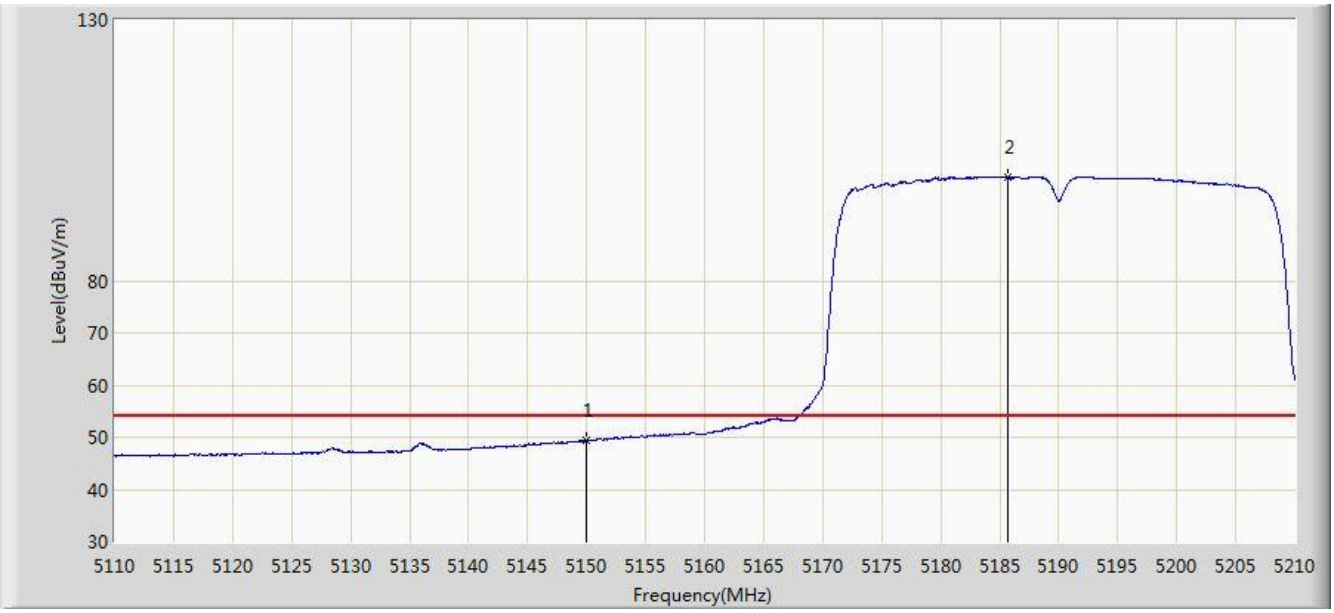


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.750	62.701	58.525	-11.299	74.000	4.176	PK
2			5150.000	61.282	57.113	-12.718	74.000	4.170	PK
3		*	5193.950	109.950	105.931	N/A	N/A	4.019	PK

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: 2017/12/14 - 10:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 0	

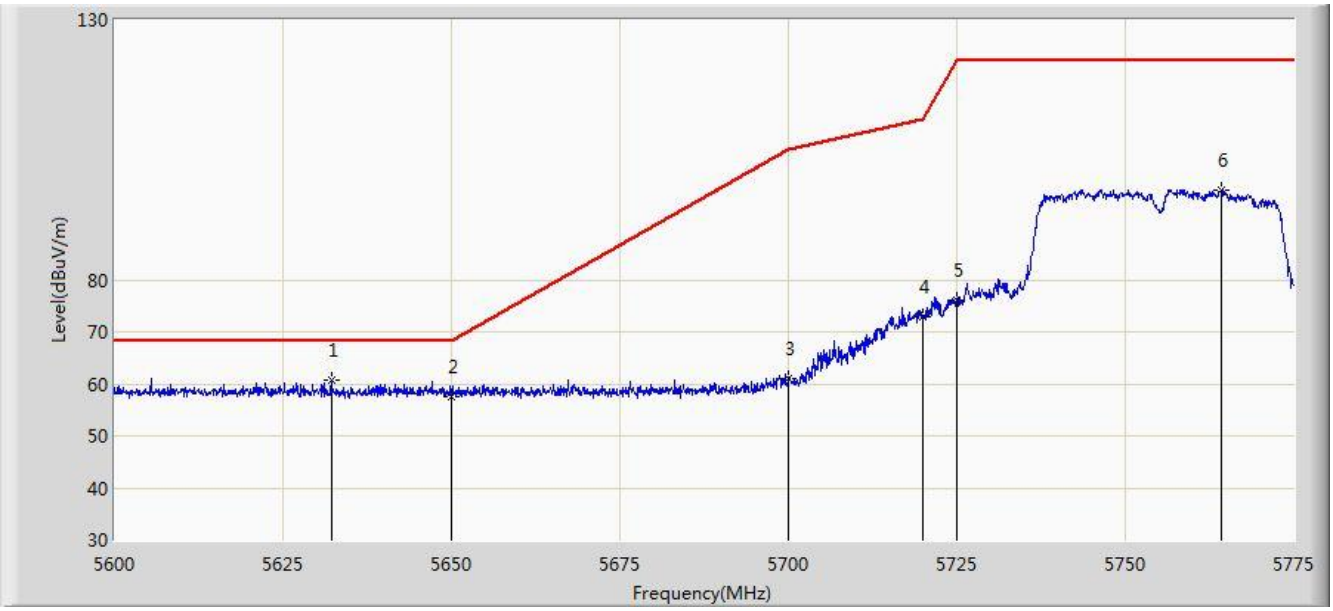


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	49.491	45.322	-4.509	54.000	4.170	AV
2		*	5185.750	99.969	95.920	N/A	N/A	4.048	AV

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

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

Site: AC1	Time: 2017/12/07 - 03:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0	

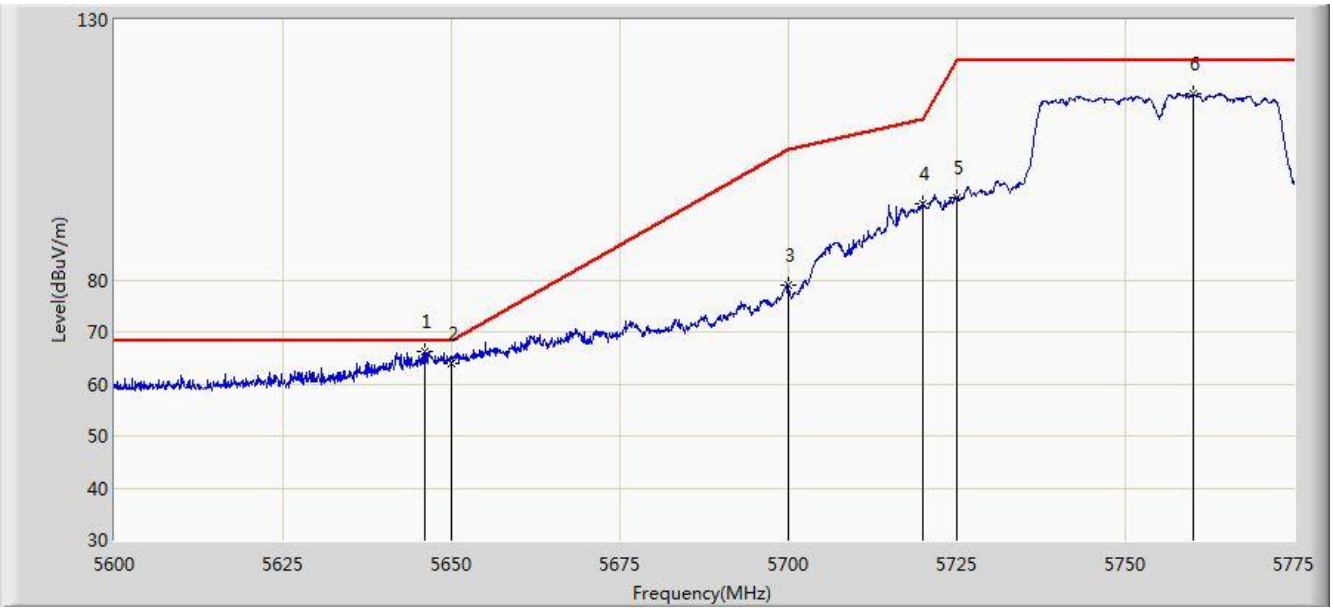


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5632.200	60.631	56.016	-7.569	68.200	4.615	PK
2			5650.000	57.677	53.006	-10.523	68.200	4.671	PK
3			5700.000	60.973	56.095	-44.227	105.200	4.878	PK
4			5720.000	72.979	67.982	-37.821	110.800	4.997	PK
5			5725.000	76.113	71.084	-46.087	122.200	5.029	PK
6			5764.325	97.372	92.110	N/A	N/A	5.262	PK

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

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

Site: AC1	Time: 2017/12/07 - 03:08
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0	

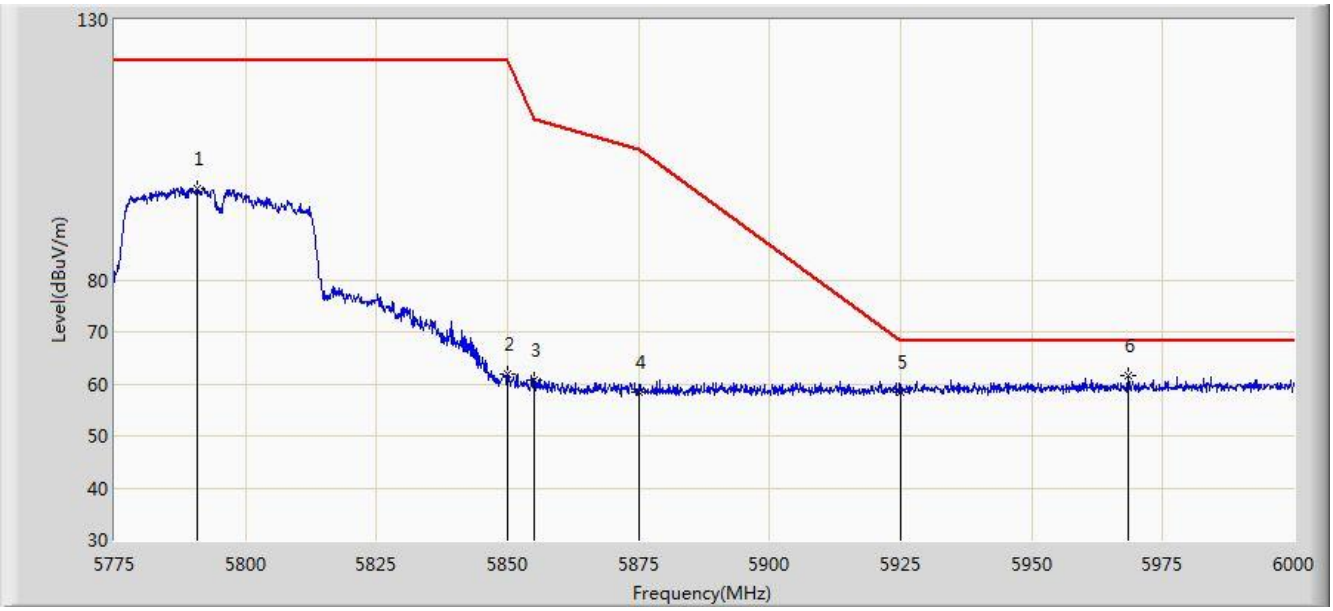


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5646.025	66.144	61.486	-2.056	68.200	4.658	PK
2			5650.000	63.930	59.259	-4.270	68.200	4.671	PK
3			5700.000	78.993	74.115	-26.207	105.200	4.878	PK
4			5720.000	94.580	89.583	-16.220	110.800	4.997	PK
5			5725.000	95.831	90.802	-26.369	122.200	5.029	PK
6			5760.125	115.931	110.690	N/A	N/A	5.240	PK

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

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

Site: AC1	Time: 2017/12/07 - 03:13
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0	

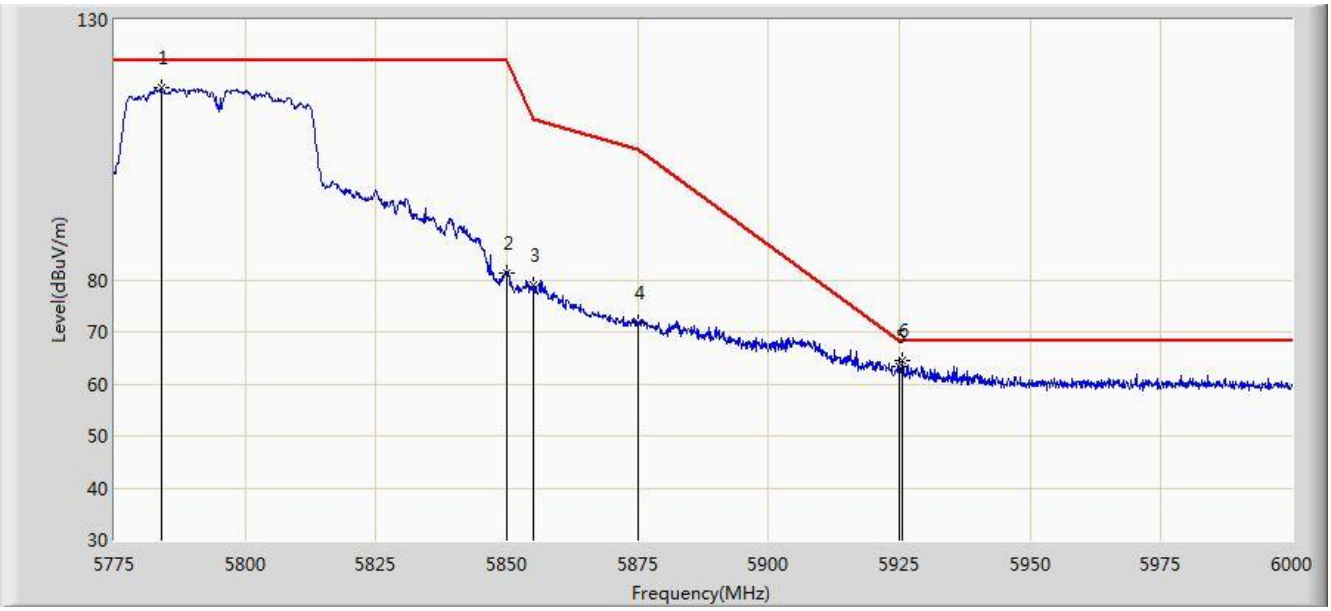


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5790.750	97.547	92.151	N/A	N/A	5.396	PK
2			5850.000	61.887	56.161	-60.313	122.200	5.726	PK
3			5855.000	60.759	55.013	-50.041	110.800	5.746	PK
4			5875.000	58.336	52.516	-46.864	105.200	5.820	PK
5			5925.000	58.362	52.396	-9.838	68.200	5.967	PK
6		*	5968.500	61.685	55.627	-6.515	68.200	6.058	PK

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

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

Site: AC1	Time: 2017/12/07 - 03:11
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0	

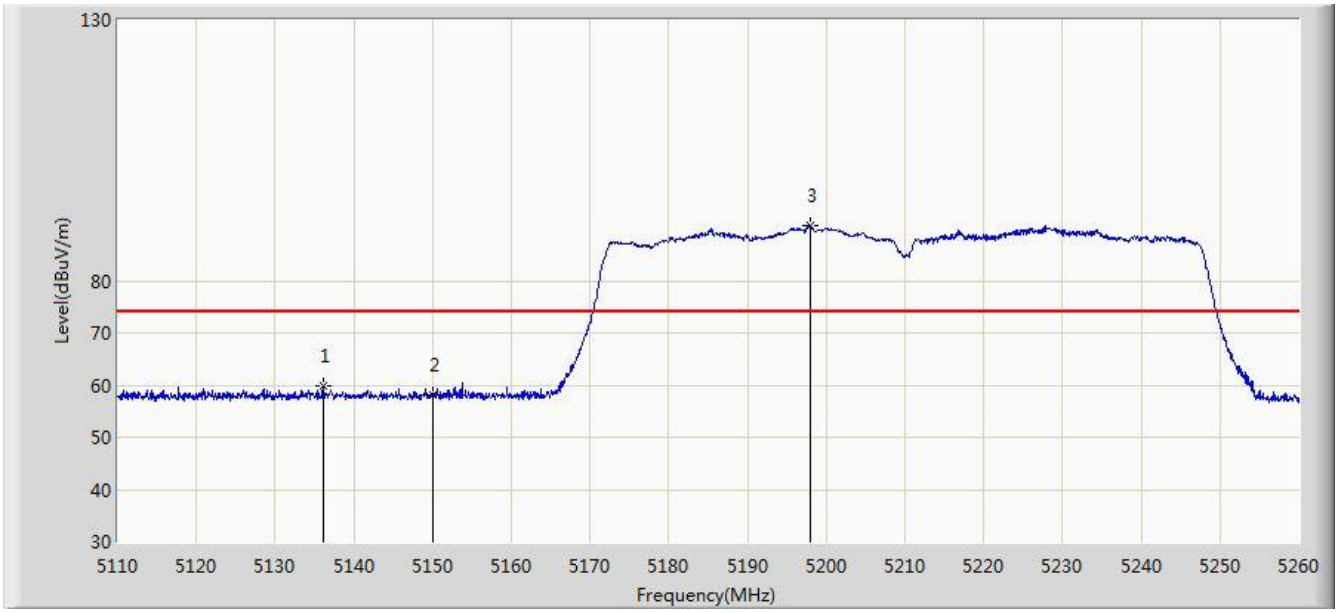


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5784.000	116.851	111.489	N/A	N/A	5.361	PK
2			5850.000	81.346	75.620	-40.854	122.200	5.726	PK
3			5855.000	78.848	73.102	-31.952	110.800	5.746	PK
4			5875.000	71.714	65.894	-33.486	105.200	5.820	PK
5			5925.000	63.369	57.403	-4.831	68.200	5.967	PK
6		*	5925.638	64.355	58.387	-3.845	68.200	5.968	PK

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

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

Site: AC1	Time: 2017/12/14 - 10:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

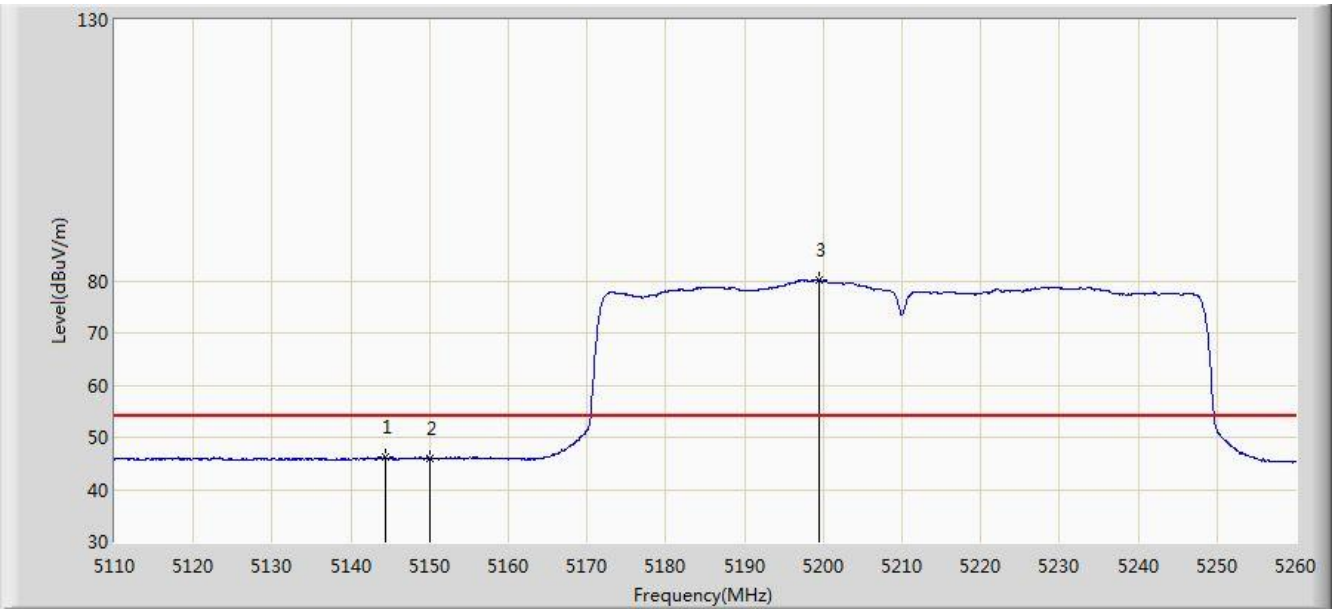


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5136.100	59.869	55.694	-14.131	74.000	4.175	PK
2			5150.000	58.213	54.044	-15.787	74.000	4.170	PK
3		*	5197.900	90.494	86.489	N/A	N/A	4.006	PK

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: 2017/12/14 - 10:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

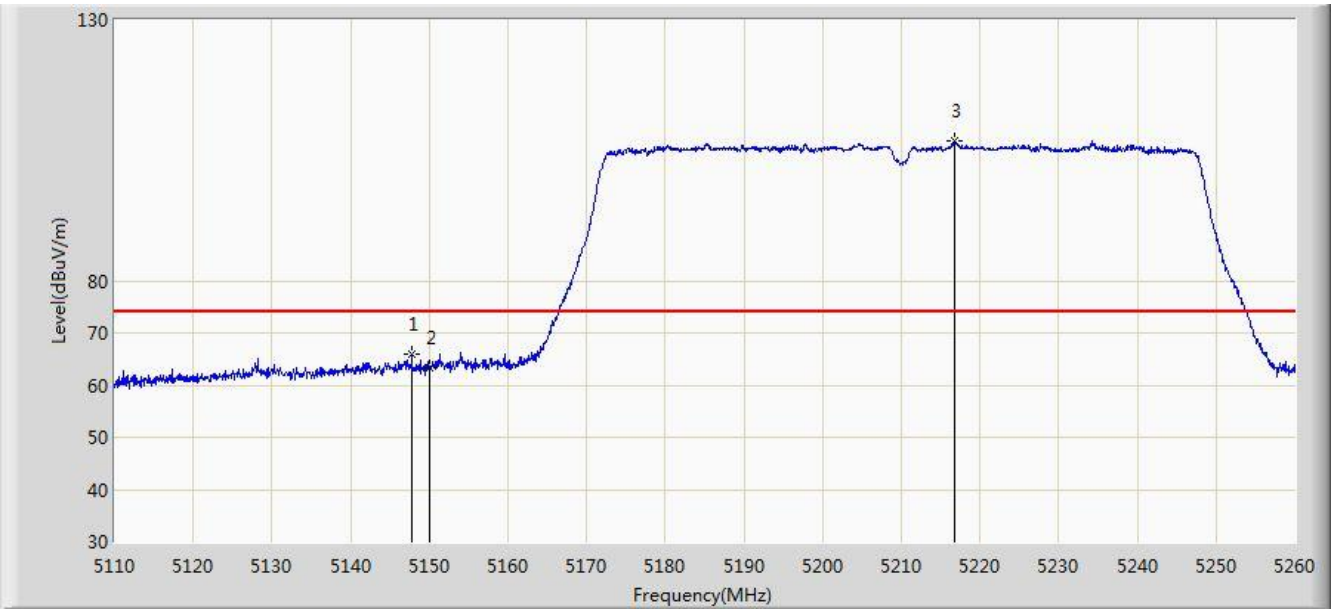


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.425	46.205	42.029	-7.795	54.000	4.176	AV
2			5150.000	46.019	41.850	-7.981	54.000	4.170	AV
3		*	5199.400	80.230	76.230	N/A	N/A	4.001	AV

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

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

Site: AC1	Time: 2017/12/14 - 10:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

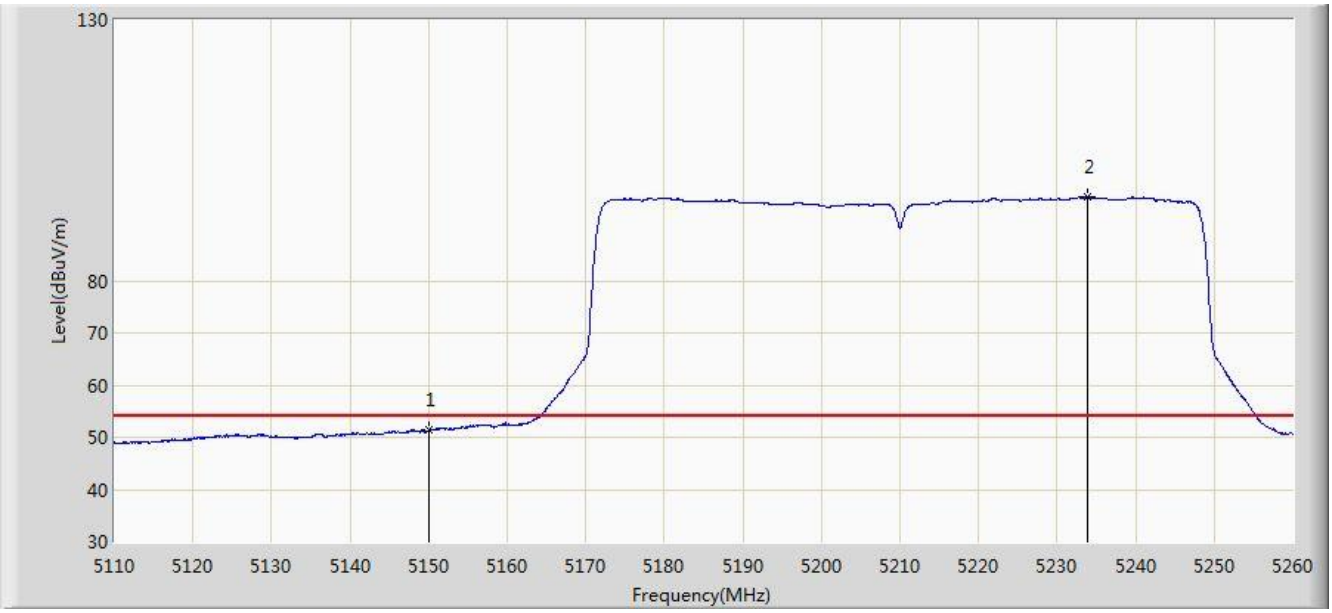


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.800	66.065	61.889	-7.935	74.000	4.176	PK
2			5150.000	63.276	59.107	-10.724	74.000	4.170	PK
3		*	5216.800	106.783	102.835	N/A	N/A	3.949	PK

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: 2017/12/14 - 11:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0	

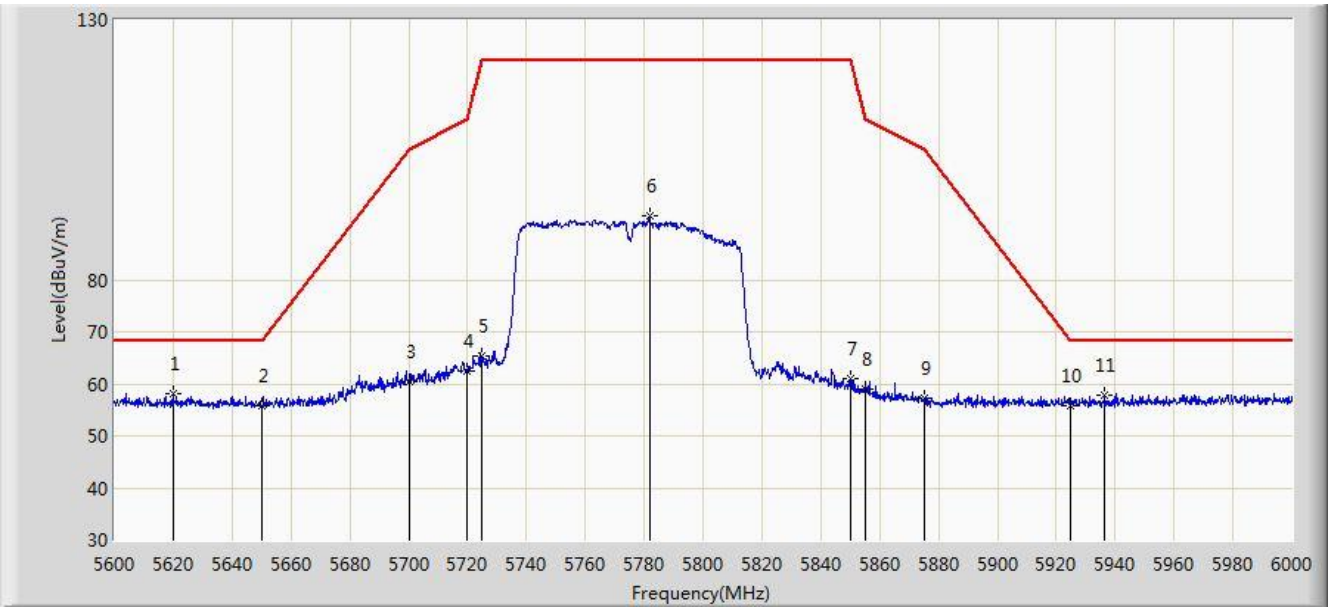


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.375	47.206	-2.625	54.000	4.170	AV
2		*	5233.825	96.155	92.257	N/A	N/A	3.899	AV

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

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

Site: AC1	Time: 2017/12/07 - 03:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0	

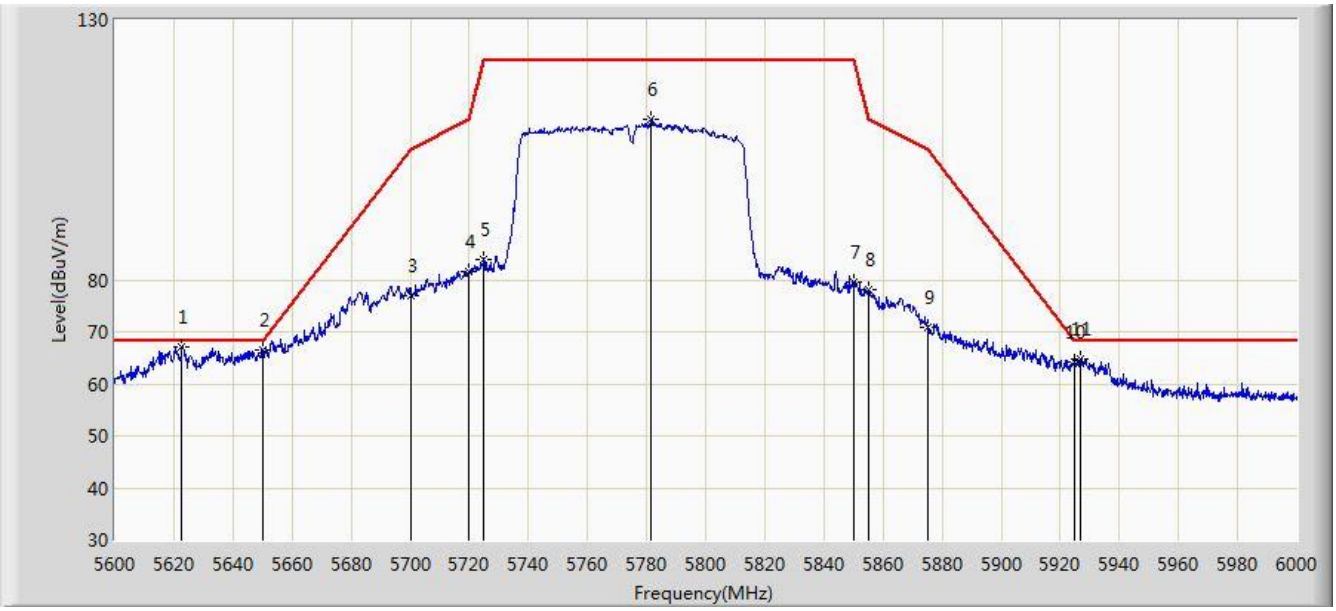


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5619.800	58.089	53.509	-10.111	68.200	4.580	PK
2			5650.000	55.721	51.050	-12.479	68.200	4.671	PK
3			5700.000	60.388	55.510	-44.812	105.200	4.878	PK
4			5720.000	62.475	57.478	-48.325	110.800	4.997	PK
5			5725.000	65.279	60.250	-56.921	122.200	5.029	PK
6			5781.800	92.296	86.945	N/A	N/A	5.350	PK
7			5850.000	60.929	55.203	-61.271	122.200	5.726	PK
8			5855.000	58.982	53.236	-51.818	110.800	5.746	PK
9			5875.000	57.141	51.321	-48.059	105.200	5.820	PK
10			5925.000	55.897	49.931	-12.303	68.200	5.967	PK
11			5936.400	57.813	51.818	-10.387	68.200	5.995	PK

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

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

Site: AC1	Time: 2017/12/07 - 03:46
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0	

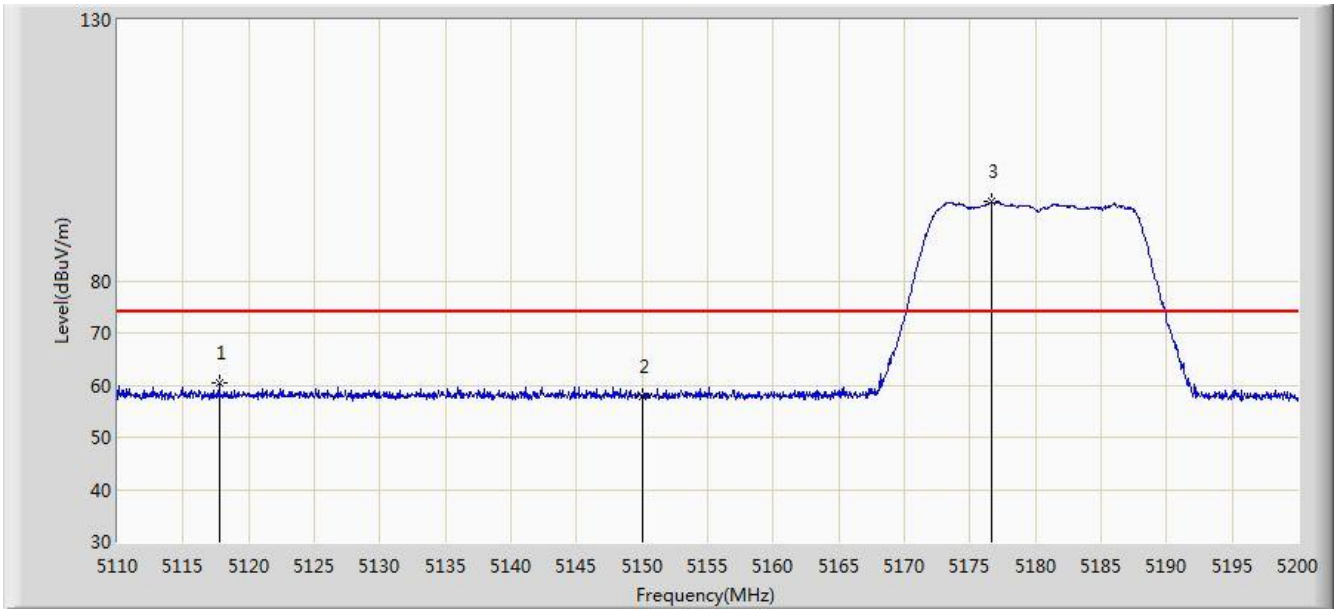


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5622.800	67.075	62.486	-1.125	68.200	4.589	PK
2			5650.000	66.580	61.909	-1.620	68.200	4.671	PK
3			5700.000	76.971	72.093	-28.229	105.200	4.878	PK
4			5720.000	81.584	76.587	-29.216	110.800	4.997	PK
5			5725.000	83.772	78.743	-38.428	122.200	5.029	PK
6			5781.600	110.728	105.378	N/A	N/A	5.350	PK
7			5850.000	79.694	73.968	-42.506	122.200	5.726	PK
8			5855.000	78.099	72.353	-32.701	110.800	5.746	PK
9			5875.000	70.804	64.984	-34.396	105.200	5.820	PK
10			5925.000	64.178	58.212	-4.022	68.200	5.967	PK
11			5926.600	64.710	58.740	-3.490	68.200	5.970	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

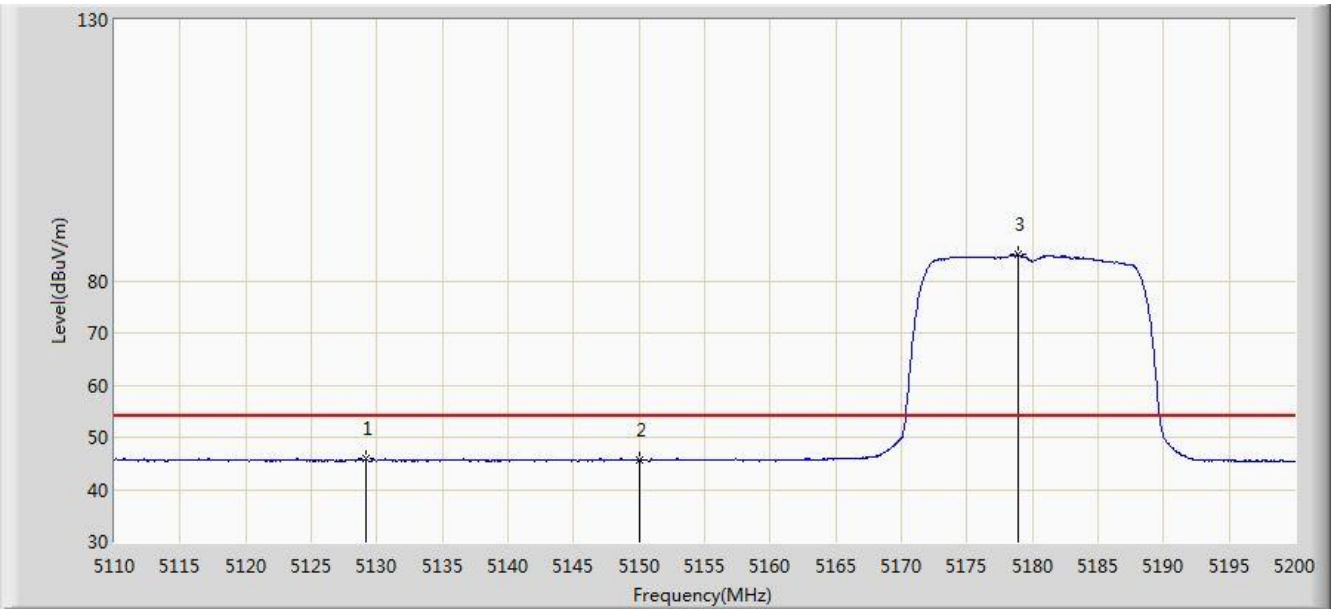


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5117.740	60.349	56.174	-13.651	74.000	4.175	PK
2			5150.000	57.836	53.667	-16.164	74.000	4.170	PK
3		*	5176.645	95.098	91.017	N/A	N/A	4.080	PK

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: 2017/12/14 - 11:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

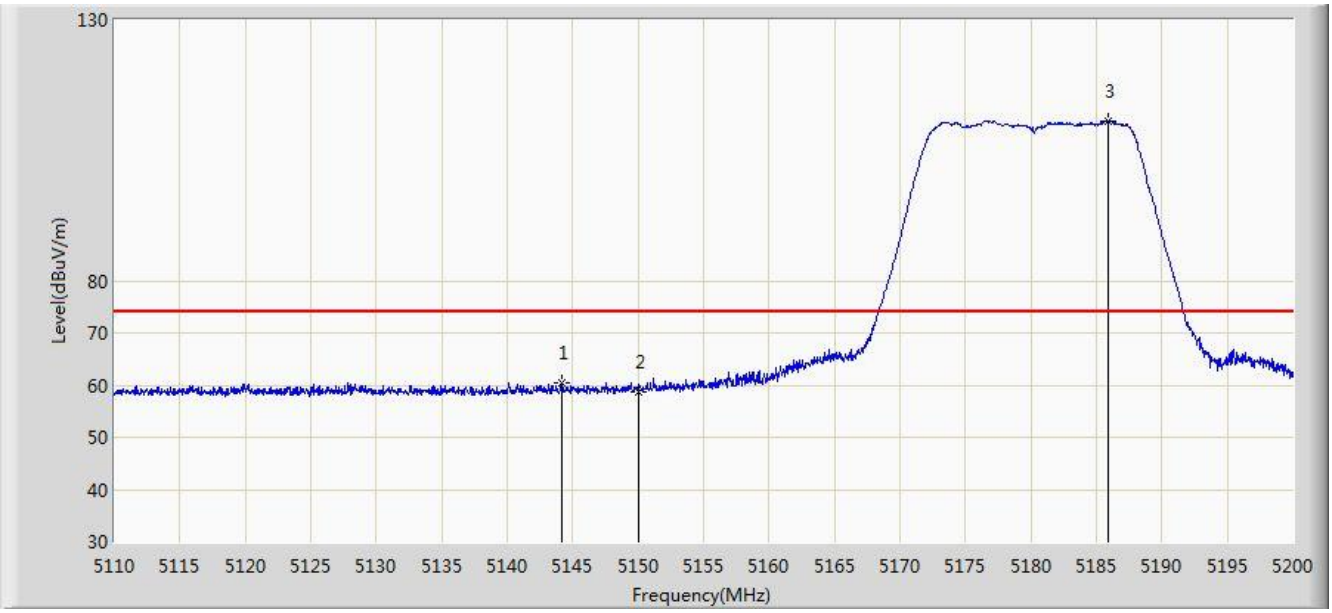


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5129.125	45.942	41.767	-8.058	54.000	4.175	AV
2			5150.000	45.652	41.483	-8.348	54.000	4.170	AV
3		*	5178.895	84.954	80.881	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2017/12/14 - 11:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

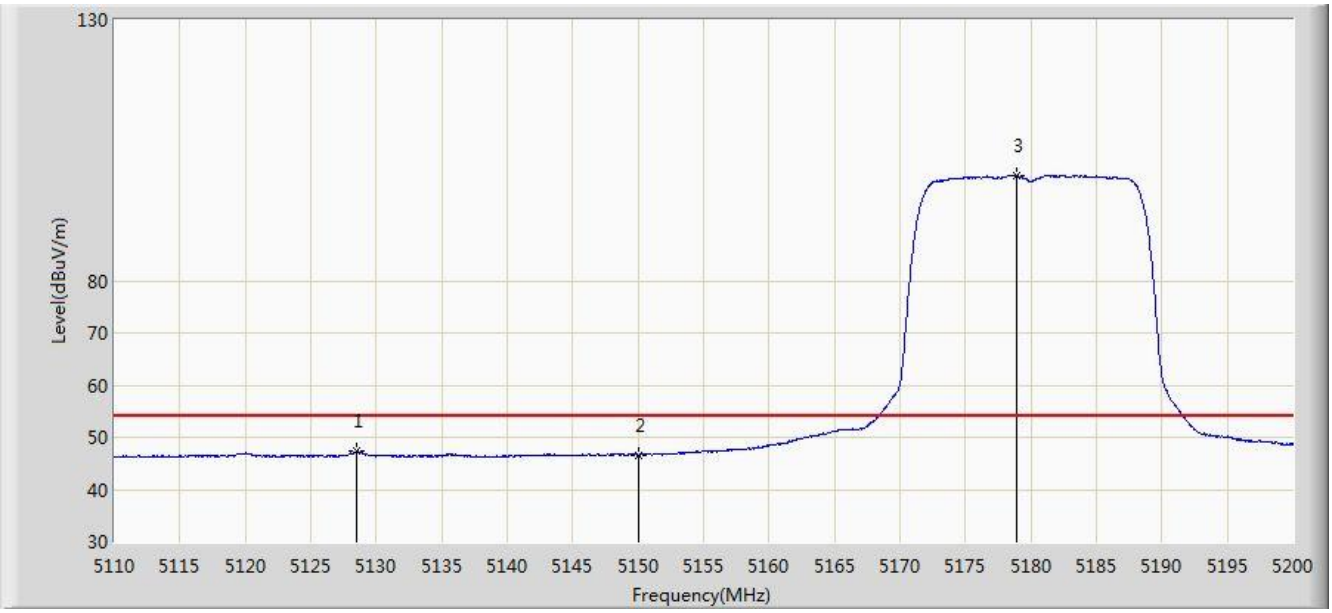


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.200	60.572	56.396	-13.428	74.000	4.176	PK
2			5150.000	58.695	54.526	-15.305	74.000	4.170	PK
3		*	5185.915	110.702	106.654	N/A	N/A	4.049	PK

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: 2017/12/14 - 11:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 1	

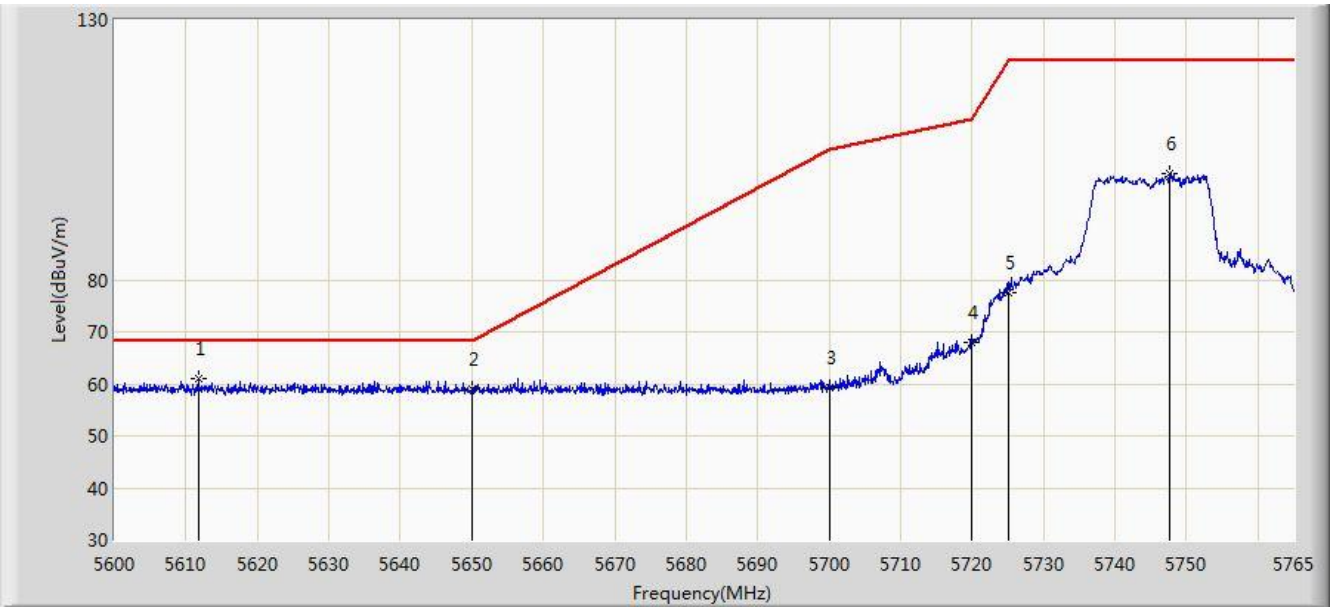


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.450	47.375	43.200	-6.625	54.000	4.175	AV
2			5150.000	46.624	42.455	-7.376	54.000	4.170	AV
3		*	5178.895	100.255	96.182	N/A	N/A	4.073	AV

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

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

Site: AC1	Time: 2017/12/07 - 05:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 1	

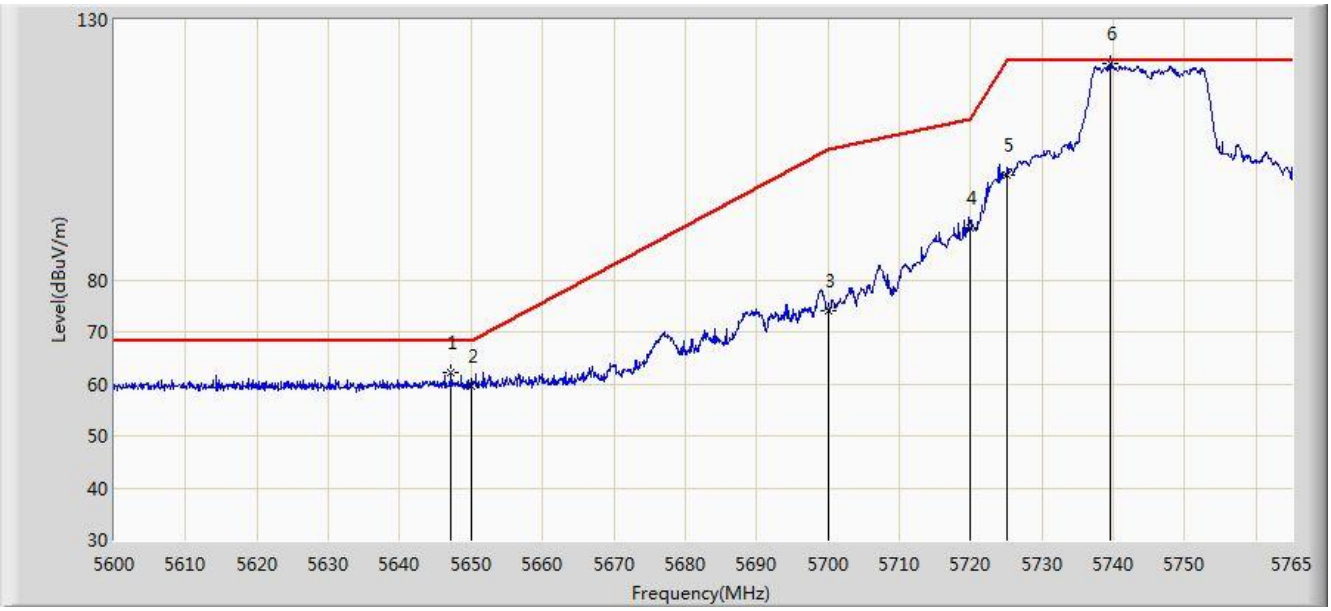


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5611.715	60.894	56.337	-7.306	68.200	4.556	PK
2			5650.000	59.027	54.356	-9.173	68.200	4.671	PK
3			5700.000	59.215	54.337	-45.985	105.200	4.878	PK
4			5720.000	68.006	63.009	-42.794	110.800	4.997	PK
5			5725.000	77.562	72.533	-44.638	122.200	5.029	PK
6			5747.675	100.401	95.231	N/A	N/A	5.170	PK

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

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

Site: AC1	Time: 2017/12/07 - 05:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 1	

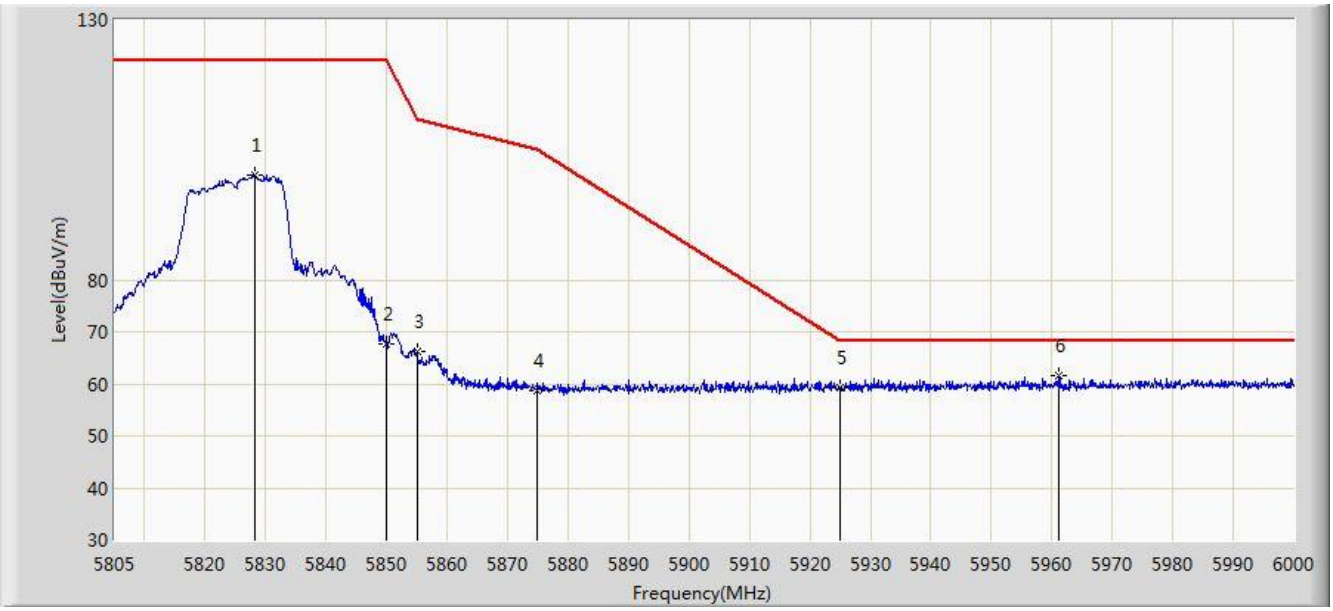


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5647.190	62.223	57.561	-5.977	68.200	4.662	PK
2			5650.000	59.473	54.802	-8.727	68.200	4.671	PK
3			5700.000	74.049	69.171	-31.151	105.200	4.878	PK
4			5720.000	90.046	85.049	-20.754	110.800	4.997	PK
5			5725.000	100.130	95.101	-22.070	122.200	5.029	PK
6		*	5739.507	121.470	116.349	N/A	N/A	5.122	PK

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

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

Site: AC1	Time: 2017/12/07 - 05:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 1	

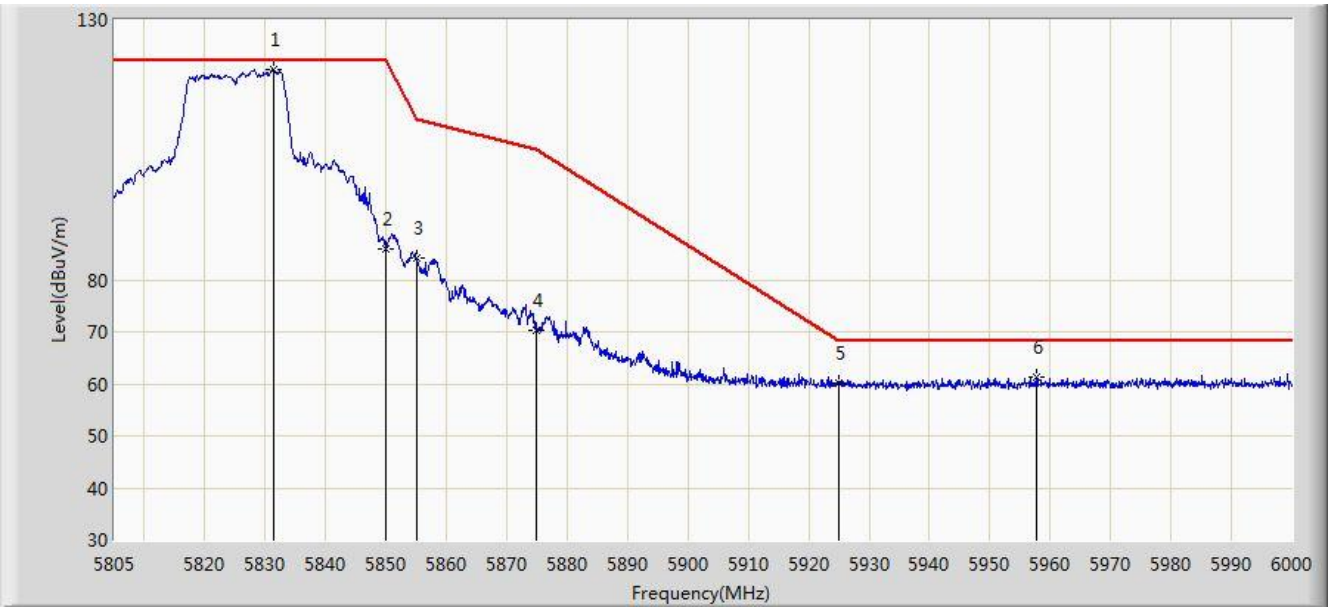


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5828.107	100.257	94.651	N/A	N/A	5.606	PK
2			5850.000	67.571	61.845	-54.629	122.200	5.726	PK
3			5855.000	66.129	60.383	-44.671	110.800	5.746	PK
4			5875.000	58.835	53.015	-46.365	105.200	5.820	PK
5			5925.000	59.273	53.307	-8.927	68.200	5.967	PK
6		*	5961.195	61.594	55.548	-6.606	68.200	6.046	PK

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

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

Site: AC1	Time: 2017/12/07 - 05:29
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 1	

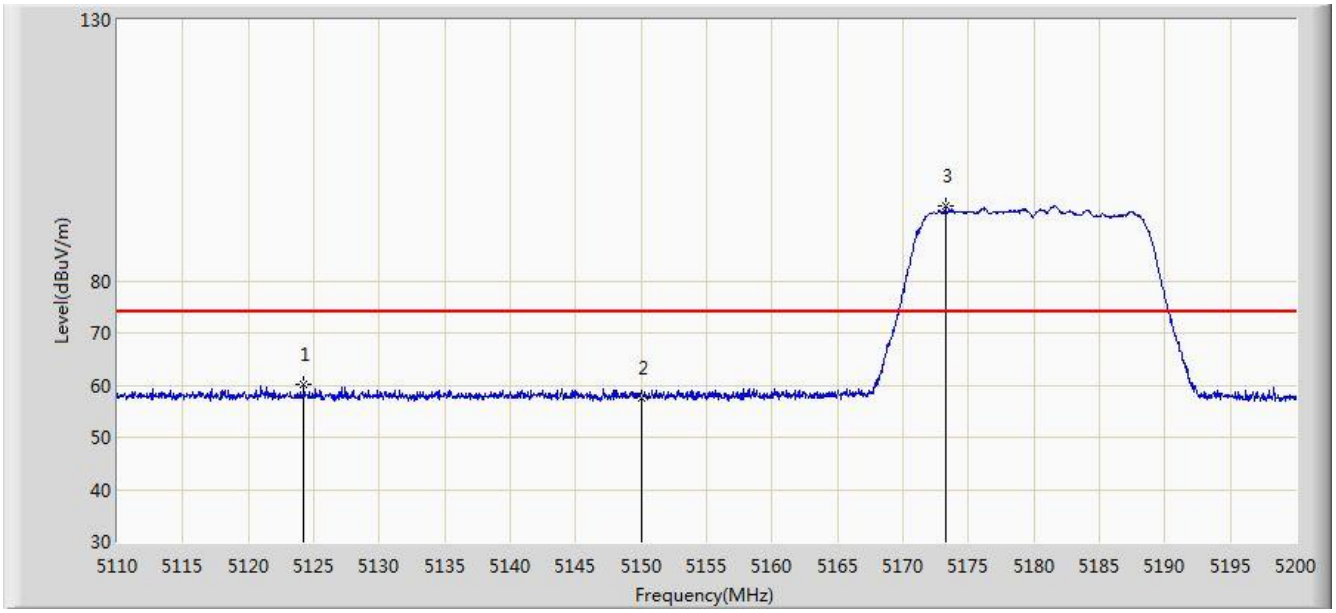


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5831.325	120.453	114.828	N/A	N/A	5.624	PK
2			5850.000	86.025	80.299	-36.175	122.200	5.726	PK
3			5855.000	84.253	78.507	-26.547	110.800	5.746	PK
4			5875.000	70.323	64.503	-34.877	105.200	5.820	PK
5			5925.000	60.283	54.317	-7.917	68.200	5.967	PK
6			5957.783	61.181	55.141	-7.019	68.200	6.040	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

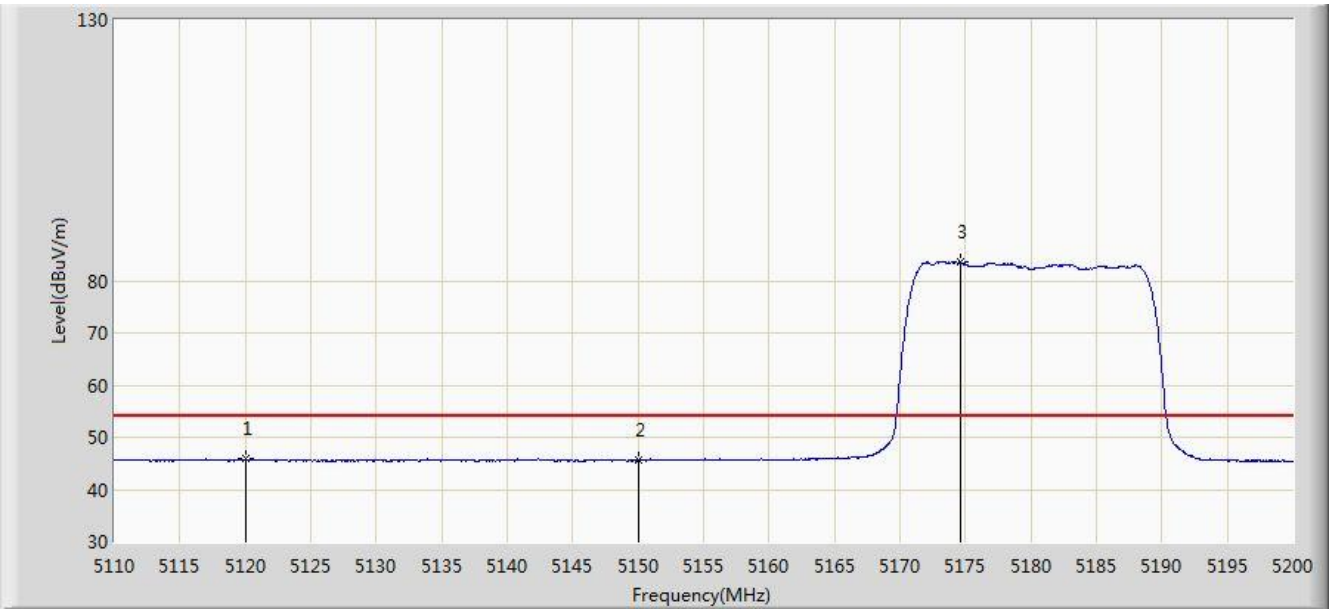


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.265	60.050	55.875	-13.950	74.000	4.175	PK
2			5150.000	57.624	53.455	-16.376	74.000	4.170	PK
3		*	5173.270	94.391	90.298	N/A	N/A	4.092	PK

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: 2017/12/14 - 11:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

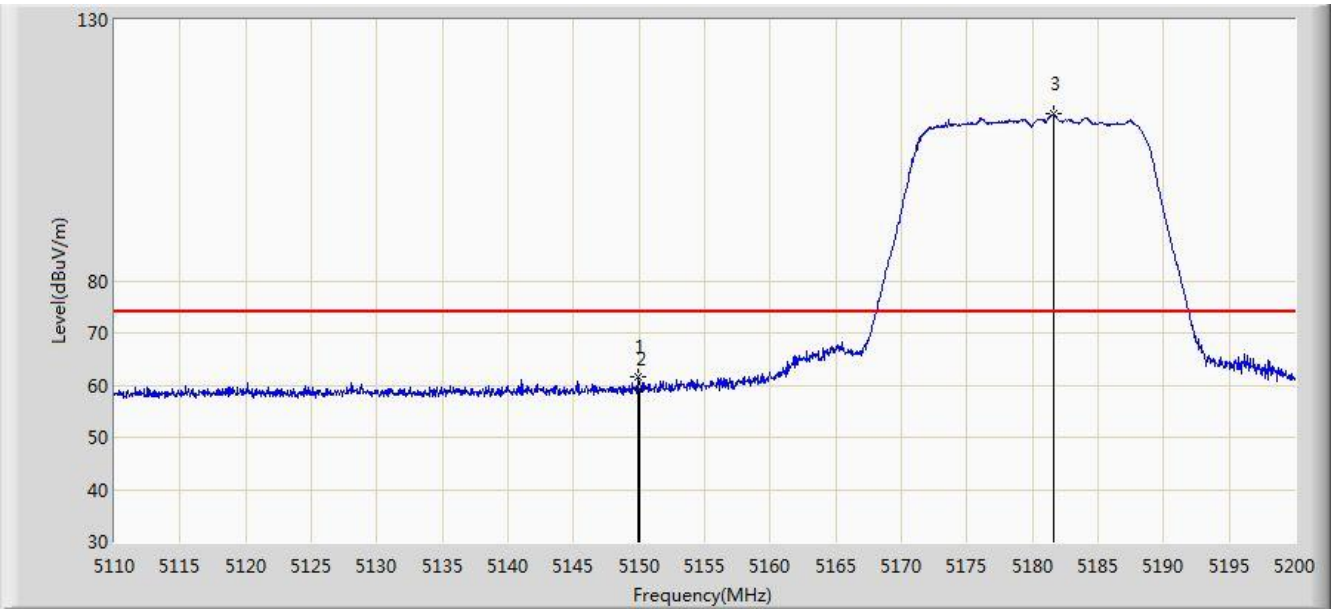


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5120.080	45.815	41.640	-8.185	54.000	4.175	AV
2			5150.000	45.549	41.380	-8.451	54.000	4.170	AV
3		*	5174.575	83.740	79.652	N/A	N/A	4.088	AV

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

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

Site: AC1	Time: 2017/12/14 - 11:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

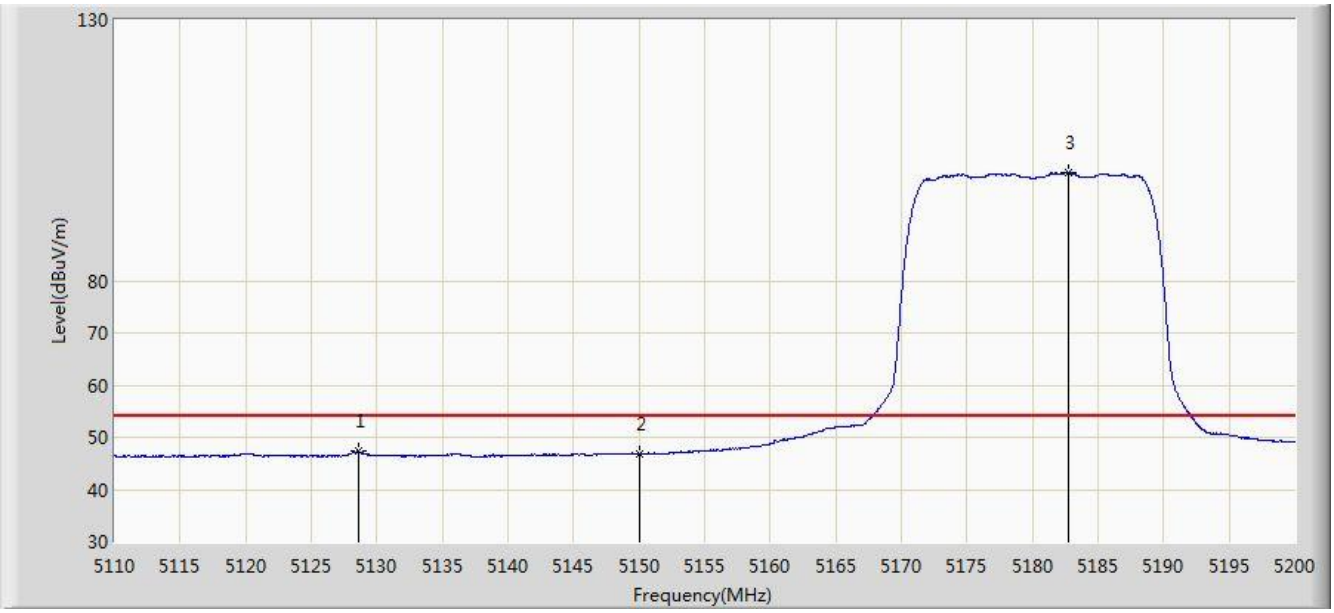


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.870	61.509	57.339	-12.491	74.000	4.170	PK
2			5150.000	59.177	55.008	-14.823	74.000	4.170	PK
3		*	5181.595	111.893	107.830	N/A	N/A	4.063	PK

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: 2017/12/14 - 11:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 1	

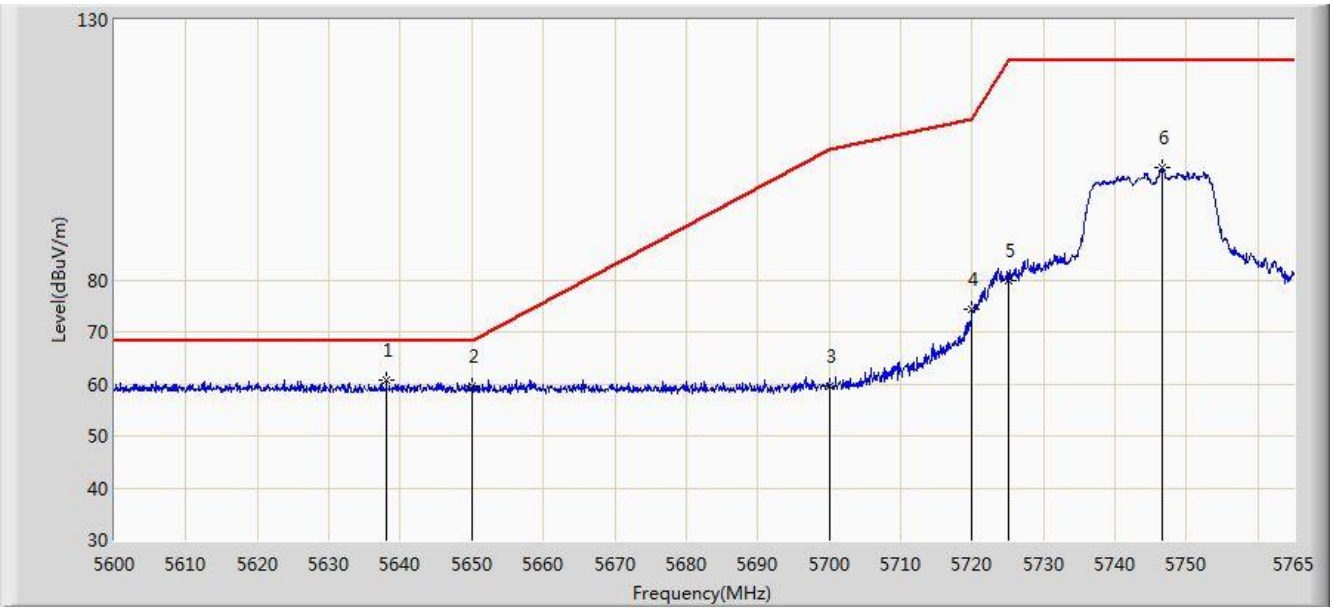


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.585	47.318	43.143	-6.682	54.000	4.175	AV
2			5150.000	46.850	42.681	-7.150	54.000	4.170	AV
3		*	5182.765	100.730	96.671	N/A	N/A	4.059	AV

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

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

Site: AC1	Time: 2017/12/07 - 06:21
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 1	

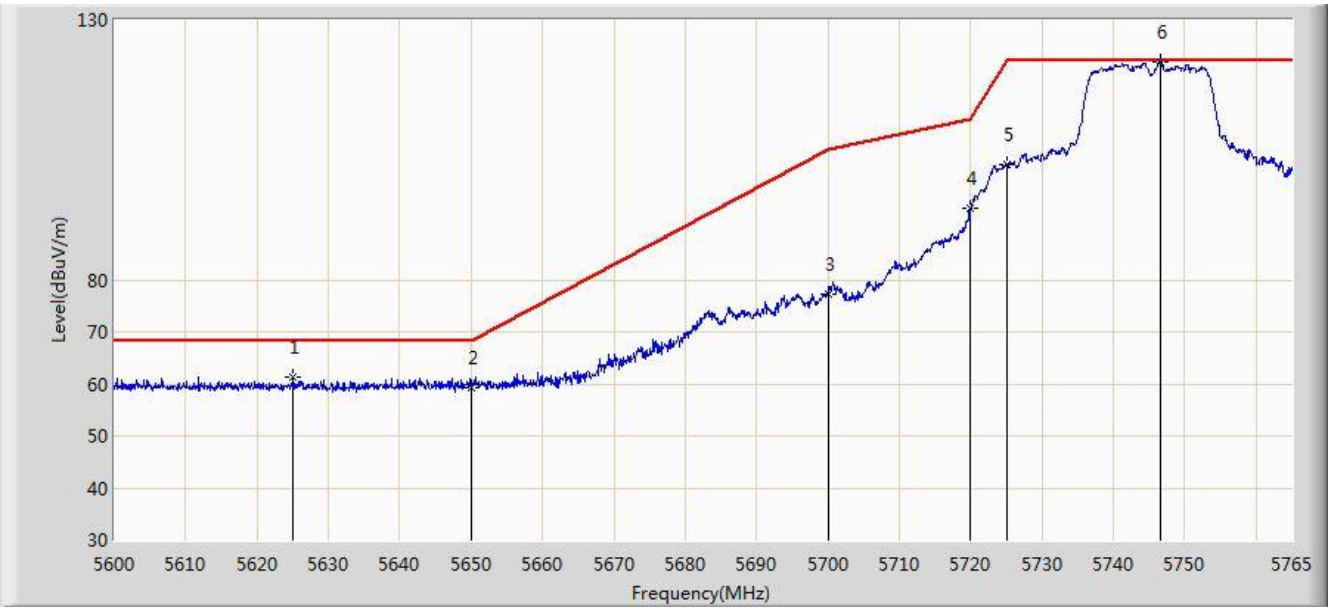


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5638.033	60.676	56.044	-7.524	68.200	4.632	PK
2			5650.000	59.463	54.792	-8.737	68.200	4.671	PK
3			5700.000	59.606	54.728	-45.594	105.200	4.878	PK
4			5720.000	74.208	69.211	-36.592	110.800	4.997	PK
5			5725.000	79.993	74.964	-42.207	122.200	5.029	PK
6			5746.603	101.467	96.303	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/07 - 06:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 1	

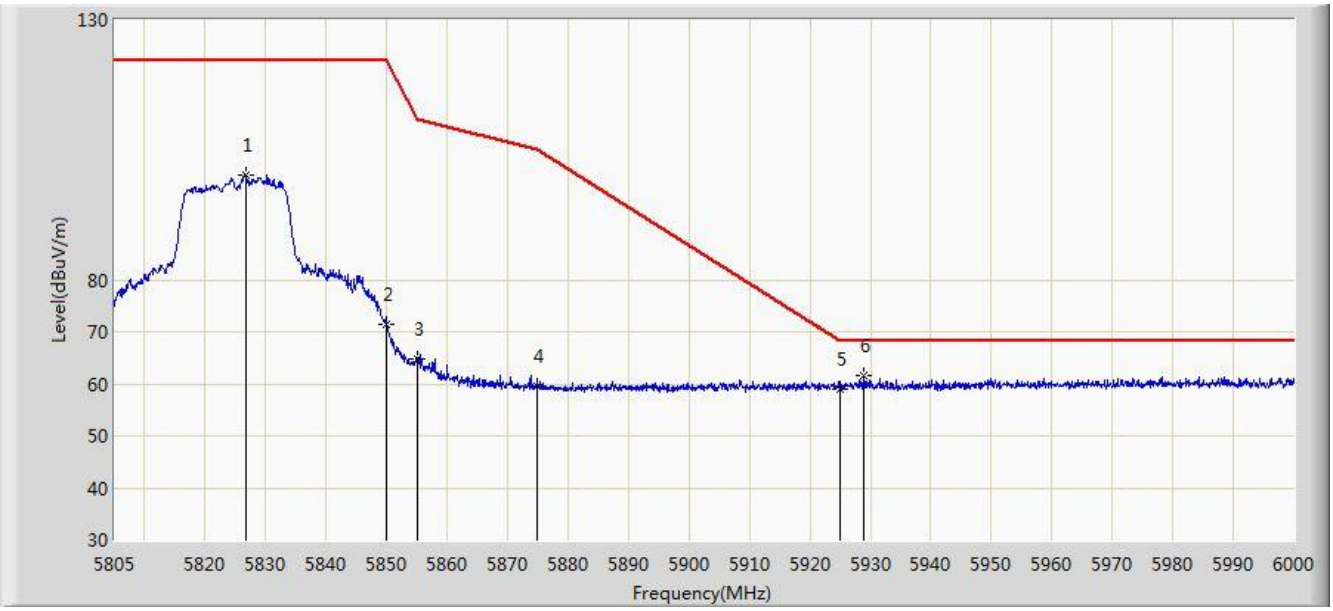


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5625.080	61.316	56.721	-6.884	68.200	4.595	PK
2			5650.000	59.344	54.673	-8.856	68.200	4.671	PK
3			5700.000	77.230	72.352	-27.970	105.200	4.878	PK
4			5720.000	93.783	88.786	-17.017	110.800	4.997	PK
5			5725.000	102.116	97.087	-20.084	122.200	5.029	PK
6		*	5746.685	121.827	116.662	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/07 - 06:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 1	

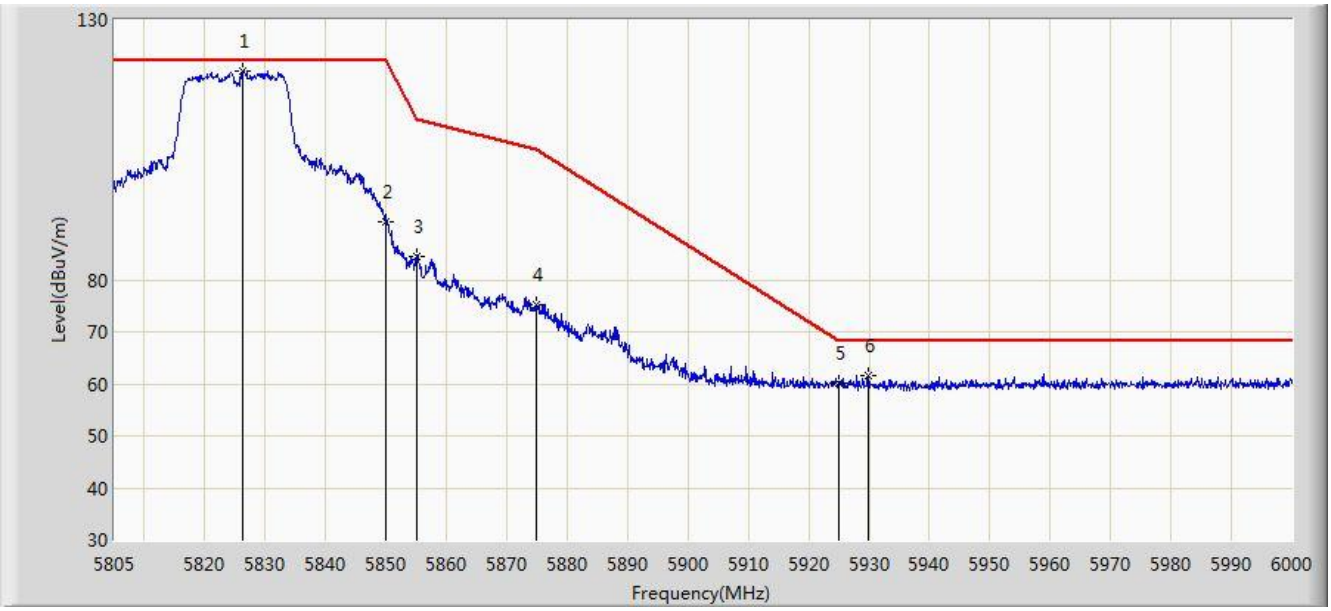


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.743	100.169	94.571	N/A	N/A	5.599	PK
2			5850.000	71.423	65.697	-50.777	122.200	5.726	PK
3			5855.000	64.847	59.101	-45.953	110.800	5.746	PK
4			5875.000	59.424	53.604	-45.776	105.200	5.820	PK
5			5925.000	59.089	53.123	-9.111	68.200	5.967	PK
6		*	5928.922	61.474	55.498	-6.726	68.200	5.976	PK

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

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

Site: AC1	Time: 2017/12/07 - 06:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 1	

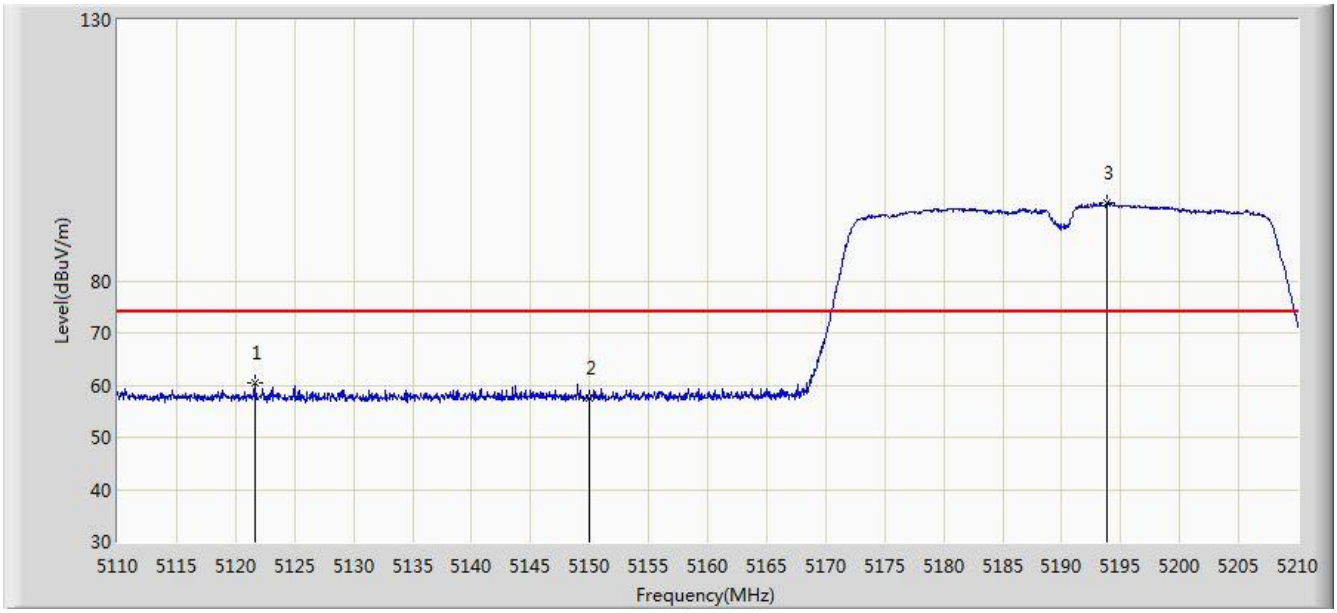


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.353	120.113	114.517	N/A	N/A	5.595	PK
2			5850.000	91.120	85.394	-31.080	122.200	5.726	PK
3			5855.000	84.588	78.842	-26.212	110.800	5.746	PK
4			5875.000	75.089	69.269	-30.111	105.200	5.820	PK
5			5925.000	60.207	54.241	-7.993	68.200	5.967	PK
6			5929.897	61.613	55.634	-6.587	68.200	5.979	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

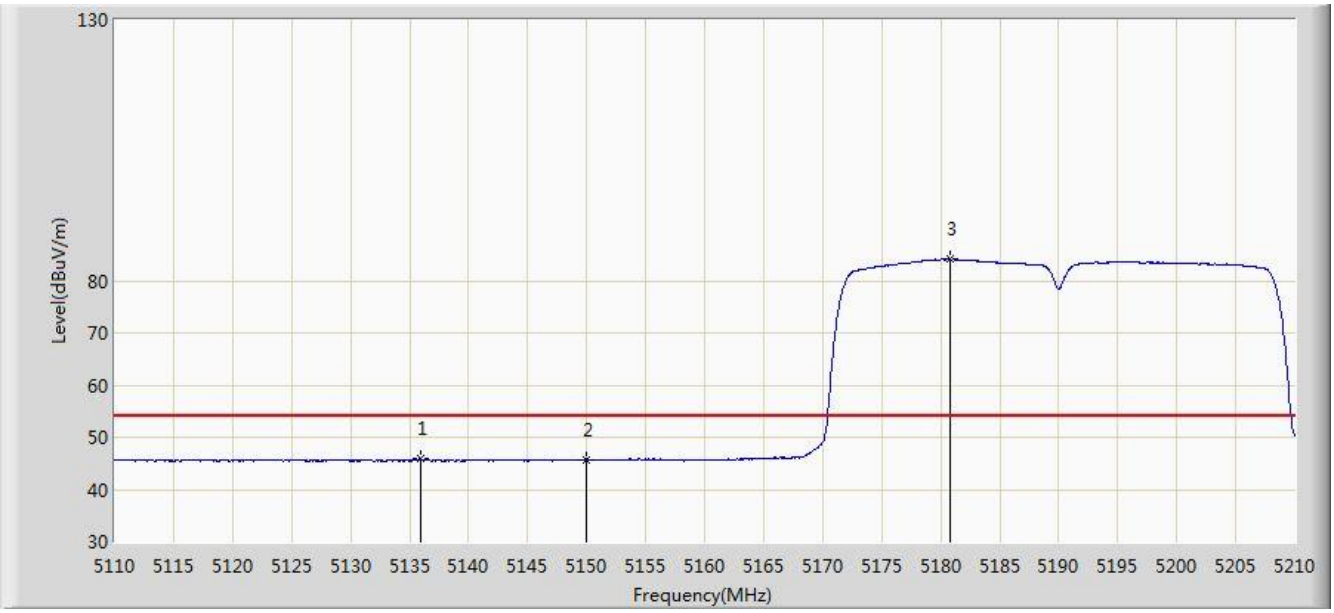


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5121.600	60.372	56.197	-13.628	74.000	4.175	PK
2			5150.000	57.536	53.367	-16.464	74.000	4.170	PK
3		*	5193.800	94.906	90.886	N/A	N/A	4.020	PK

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: 2017/12/14 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

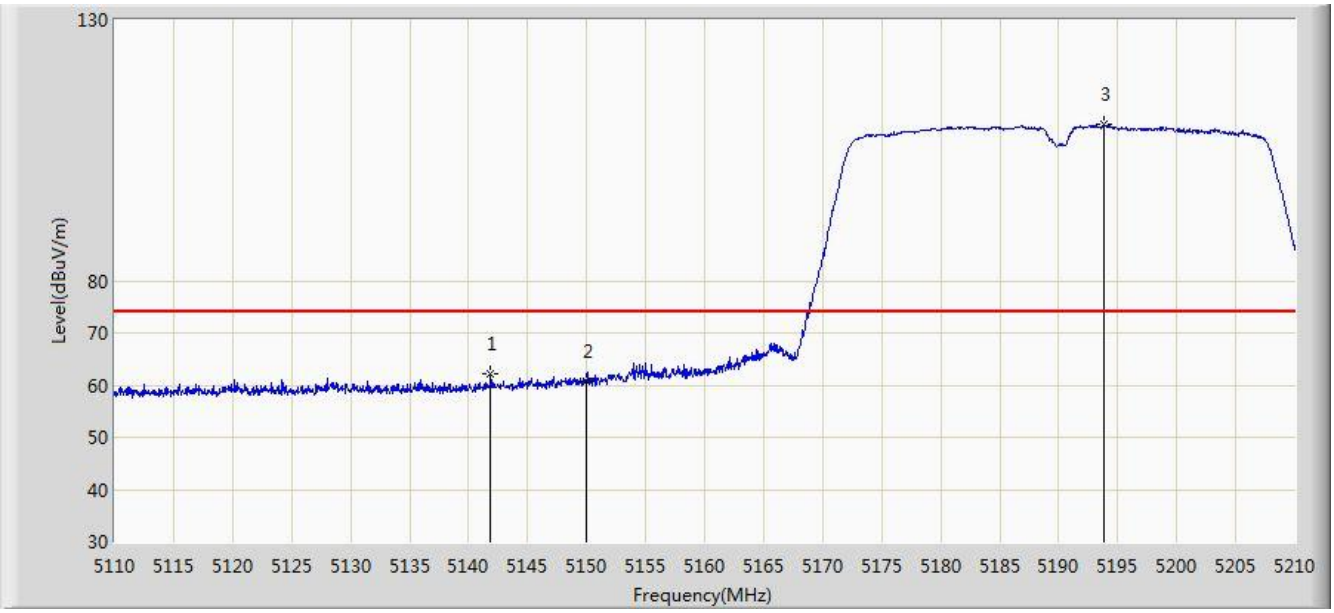


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5135.950	45.873	41.698	-8.127	54.000	4.175	AV
2			5150.000	45.797	41.628	-8.203	54.000	4.170	AV
3		*	5180.800	84.110	80.044	N/A	N/A	4.066	AV

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

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

Site: AC1	Time: 2017/12/14 - 11:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

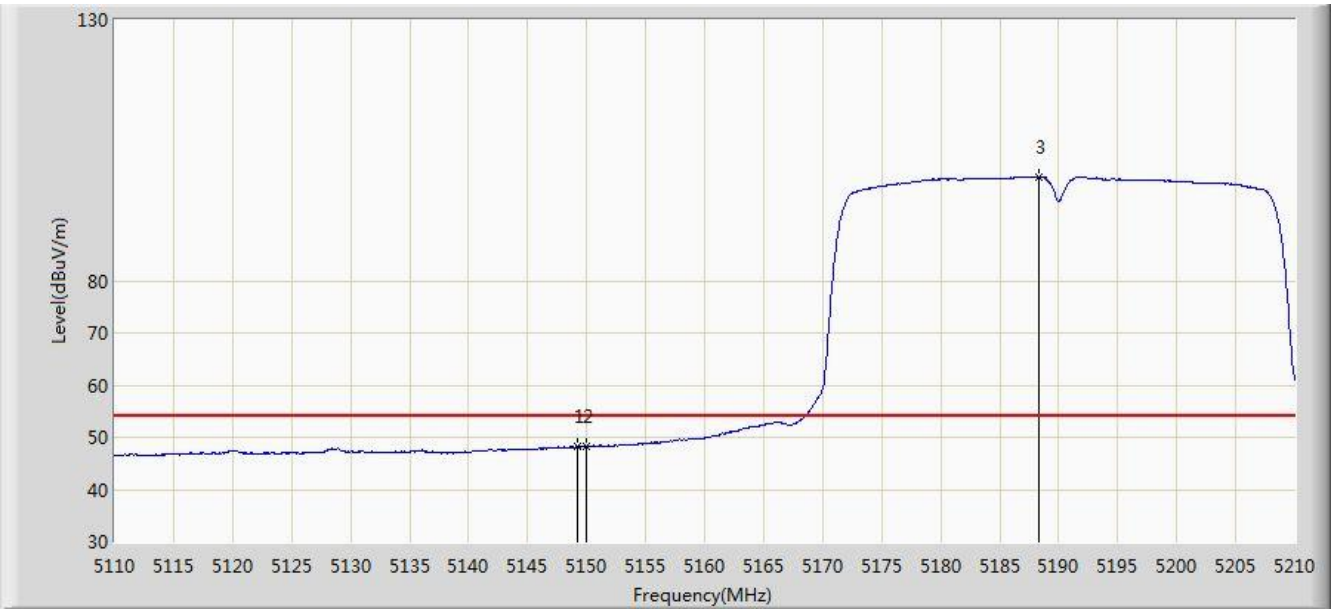


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5141.850	62.116	57.940	-11.884	74.000	4.176	PK
2			5150.000	60.675	56.506	-13.325	74.000	4.170	PK
3		*	5193.850	110.099	106.079	N/A	N/A	4.020	PK

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: 2017/12/14 - 11:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5190MHz Ant 1	

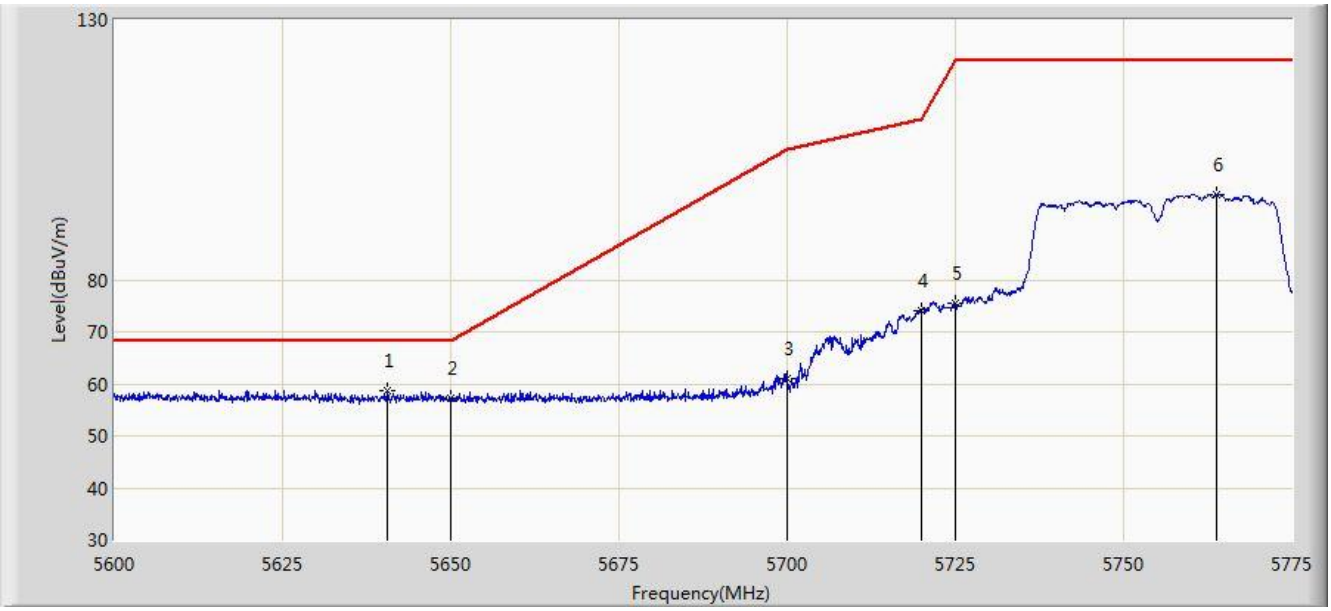


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.250	48.264	44.092	-5.736	54.000	4.171	AV
2			5150.000	48.217	44.048	-5.783	54.000	4.170	AV
3		*	5188.300	99.916	95.877	N/A	N/A	4.040	AV

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

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

Site: AC1	Time: 2017/12/07 - 07:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 1	

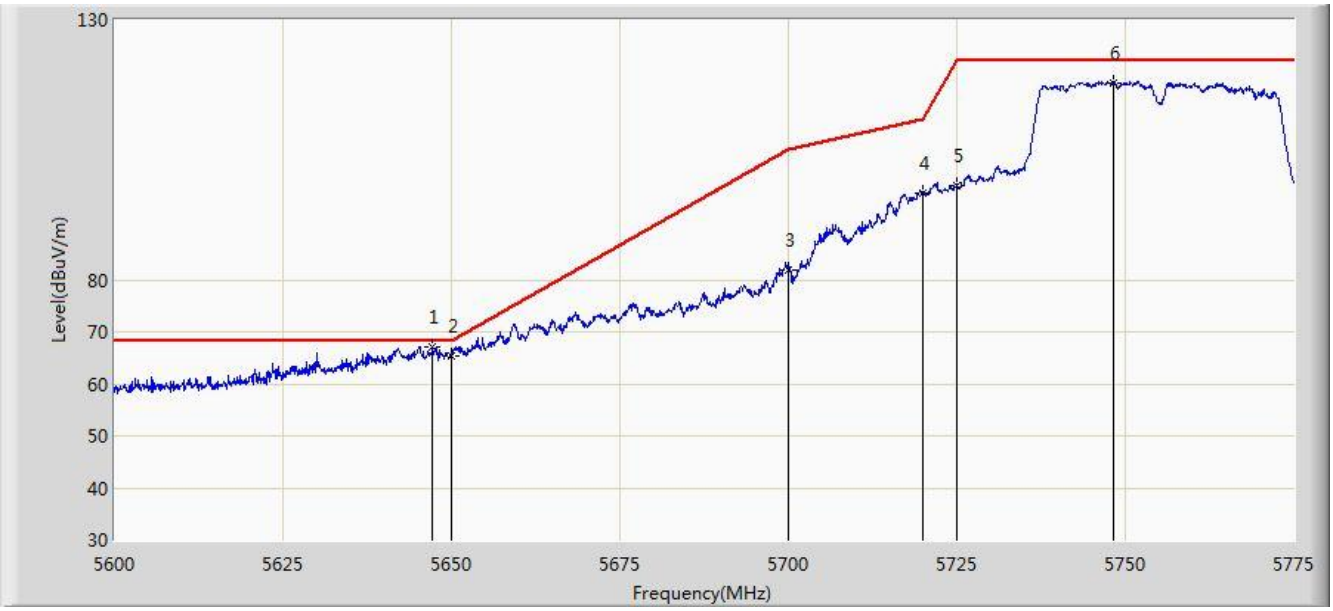


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5640.513	58.764	54.124	-9.436	68.200	4.640	PK
2			5650.000	57.191	52.520	-11.009	68.200	4.671	PK
3			5700.000	61.139	56.261	-44.061	105.200	4.878	PK
4			5720.000	74.183	69.186	-36.617	110.800	4.997	PK
5			5725.000	75.397	70.368	-46.803	122.200	5.029	PK
6			5763.888	96.451	91.191	N/A	N/A	5.259	PK

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

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

Site: AC1	Time: 2017/12/07 - 07:25
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 1	

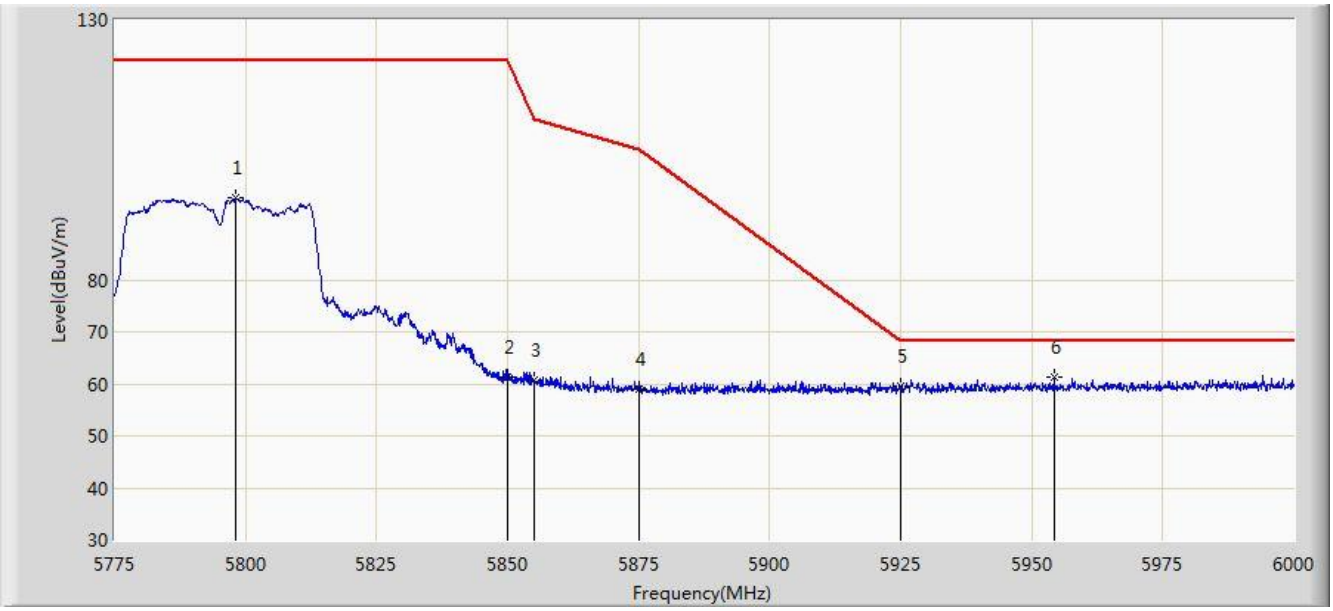


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5647.250	67.051	62.389	-1.149	68.200	4.662	PK
2			5650.000	65.497	60.826	-2.703	68.200	4.671	PK
3			5700.000	81.801	76.923	-23.399	105.200	4.878	PK
4			5720.000	96.720	91.723	-14.080	110.800	4.997	PK
5			5725.000	98.210	93.181	-23.990	122.200	5.029	PK
6			5748.225	117.820	112.647	N/A	N/A	5.173	PK

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

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

Site: AC1	Time: 2017/12/07 - 07:33
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 1	

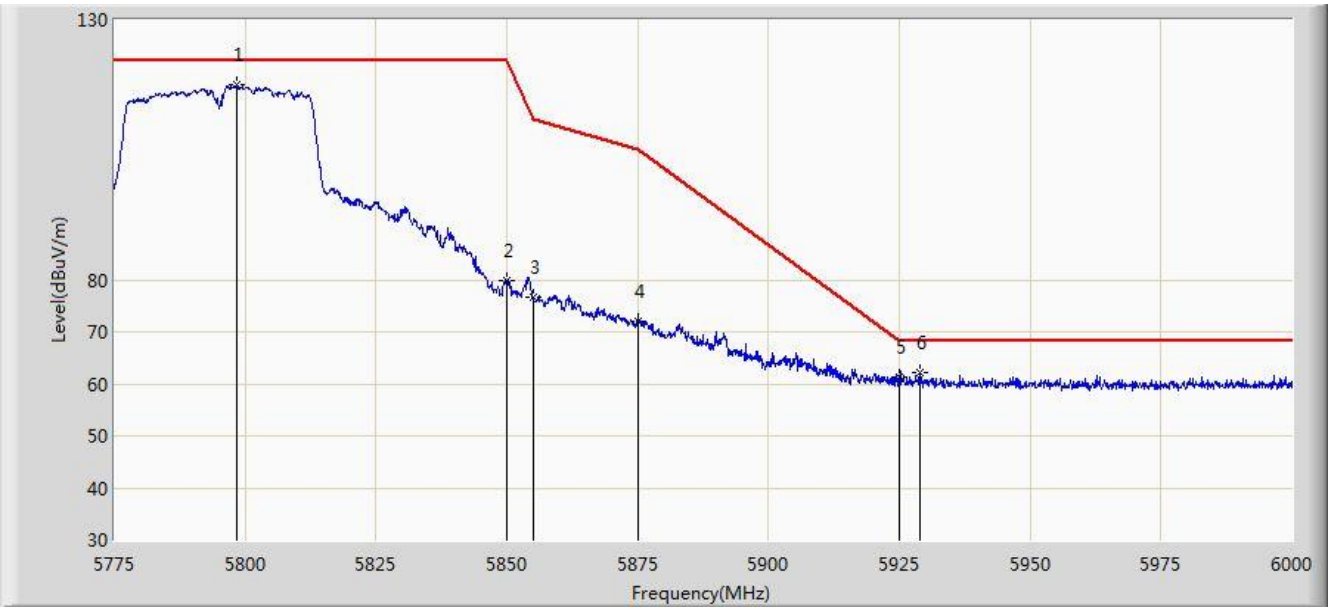


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5798.062	95.707	90.273	N/A	N/A	5.435	PK
2			5850.000	61.345	55.619	-60.855	122.200	5.726	PK
3			5855.000	60.587	54.841	-50.213	110.800	5.746	PK
4			5875.000	58.941	53.121	-46.259	105.200	5.820	PK
5			5925.000	59.485	53.519	-8.715	68.200	5.967	PK
6		*	5954.212	61.324	55.290	-6.876	68.200	6.034	PK

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

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

Site: AC1	Time: 2017/12/07 - 07:36
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 1	

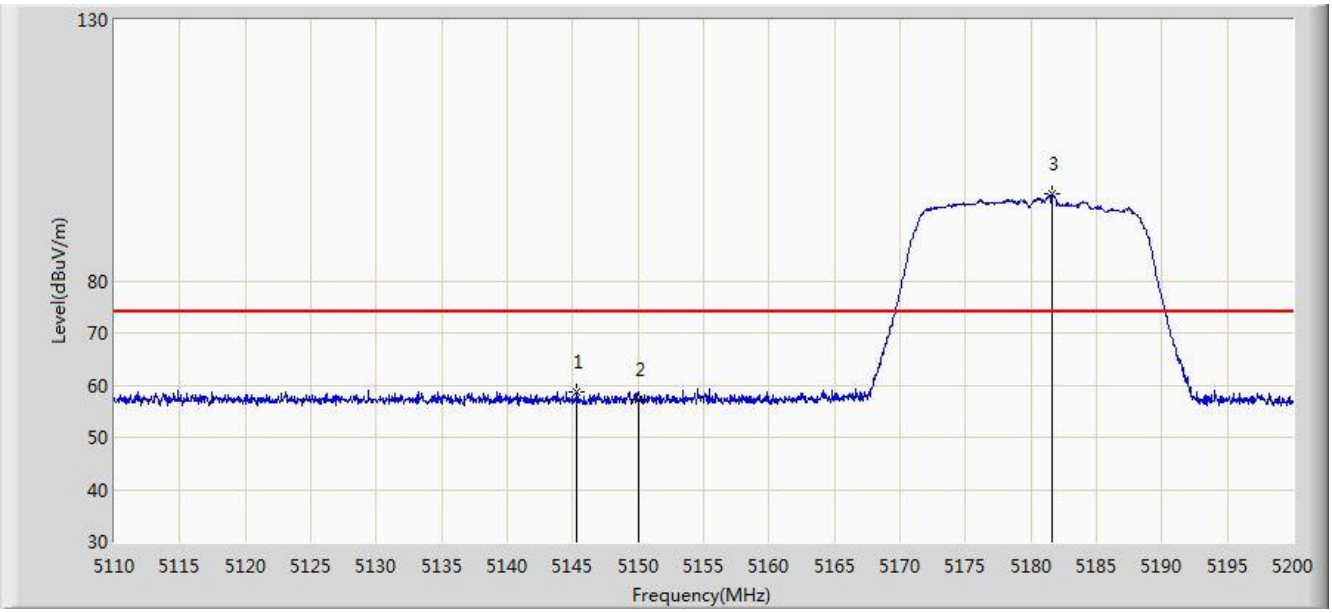


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5798.400	117.477	112.041	N/A	N/A	5.436	PK
2			5850.000	79.930	74.204	-42.270	122.200	5.726	PK
3			5855.000	76.757	71.011	-34.043	110.800	5.746	PK
4			5875.000	72.066	66.246	-33.134	105.200	5.820	PK
5			5925.000	61.288	55.322	-6.912	68.200	5.967	PK
6			5929.013	62.088	56.111	-6.112	68.200	5.976	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

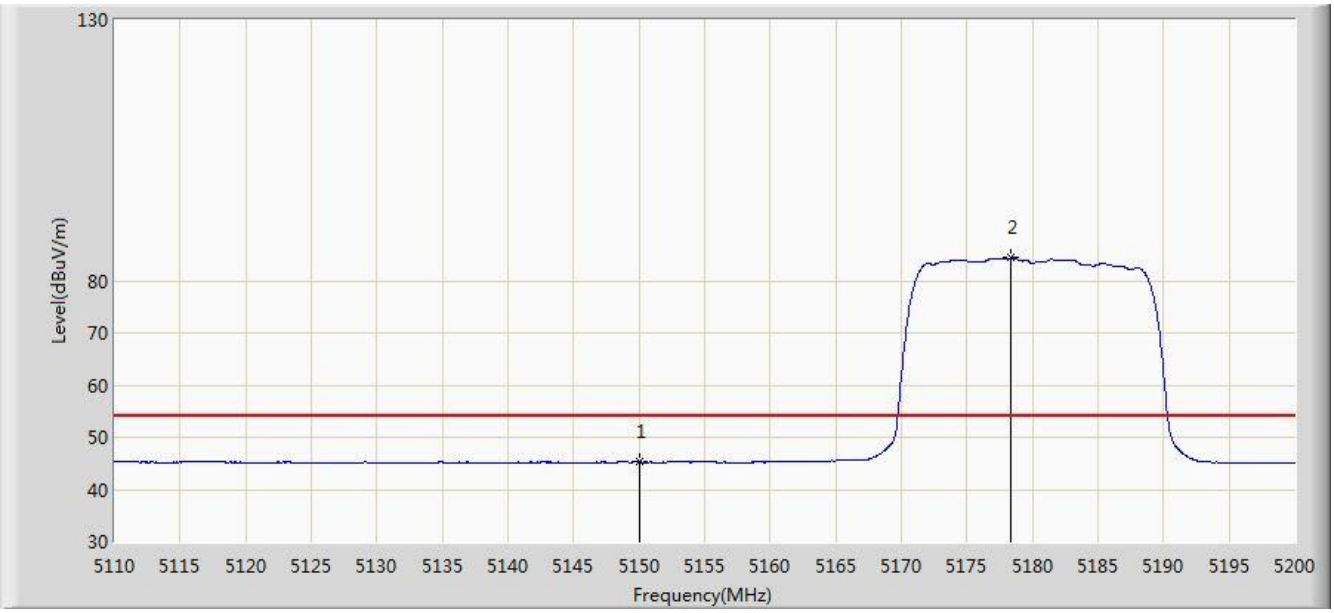


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.325	58.749	54.573	-15.251	74.000	4.176	PK
2			5150.000	57.239	53.070	-16.761	74.000	4.170	PK
3		*	5181.595	96.533	92.470	N/A	N/A	4.063	PK

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: 2017/12/14 - 11:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

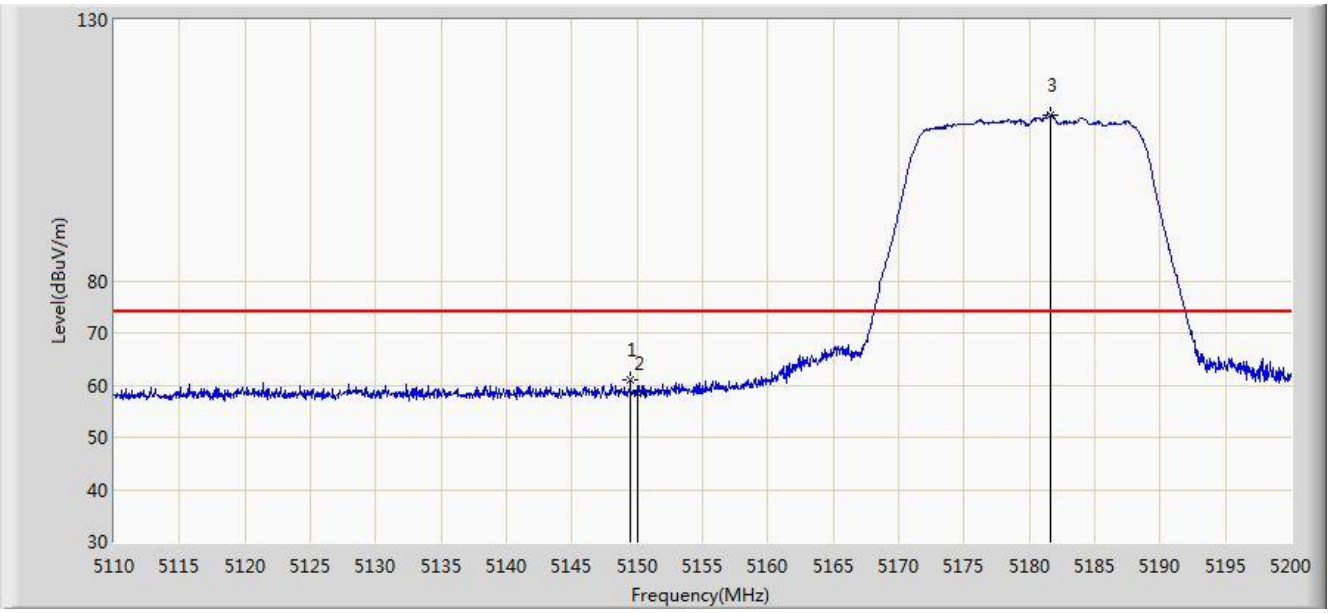


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	45.243	41.074	-8.757	54.000	4.170	AV
2		*	5178.310	84.348	80.273	N/A	N/A	4.075	AV

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

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

Site: AC1	Time: 2017/12/14 - 11:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

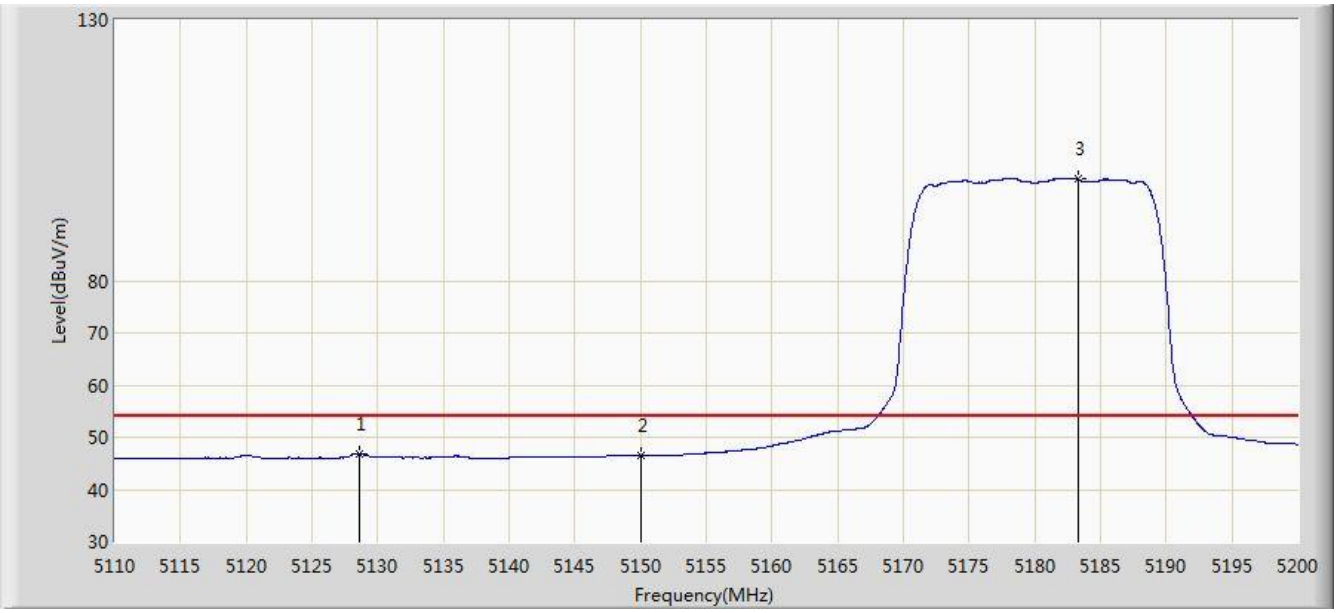


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.465	61.096	56.925	-12.904	74.000	4.170	PK
2			5150.000	58.440	54.271	-15.560	74.000	4.170	PK
3		*	5181.595	111.875	107.812	N/A	N/A	4.063	PK

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: 2017/12/14 - 11:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5180MHz Ant 1	

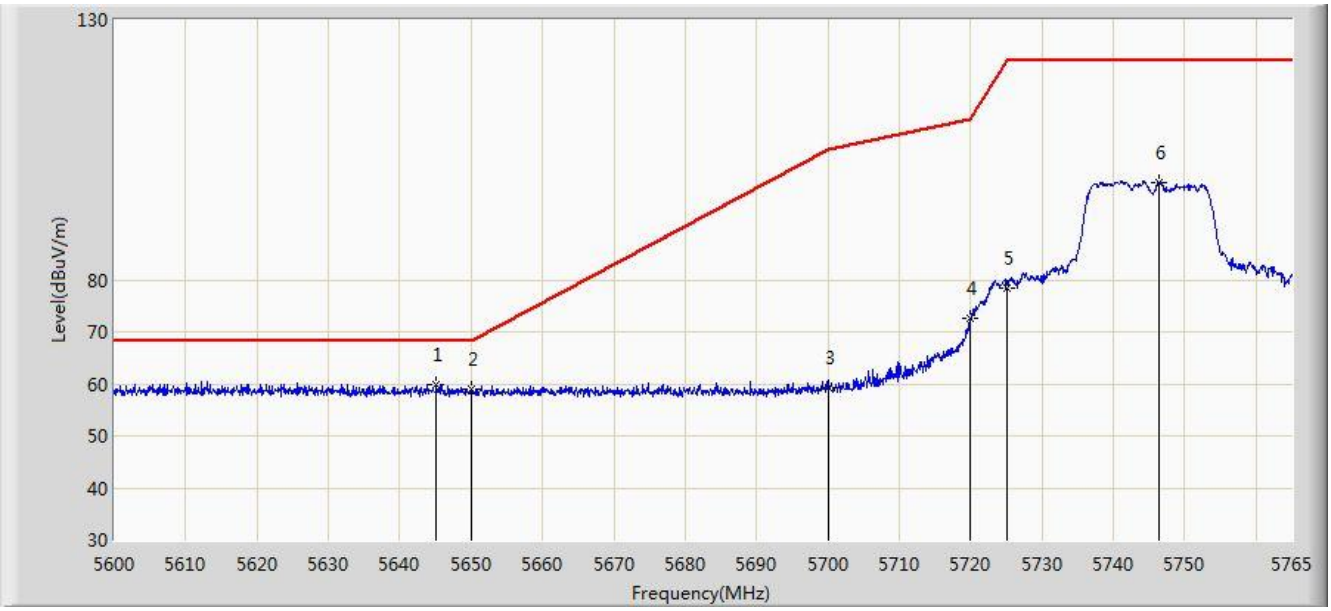


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5128.585	46.893	42.718	-7.107	54.000	4.175	AV
2			5150.000	46.454	42.285	-7.546	54.000	4.170	AV
3		*	5183.305	99.523	95.466	N/A	N/A	4.057	AV

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

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

Site: AC1	Time: 2017/12/07 - 08:11
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 1	

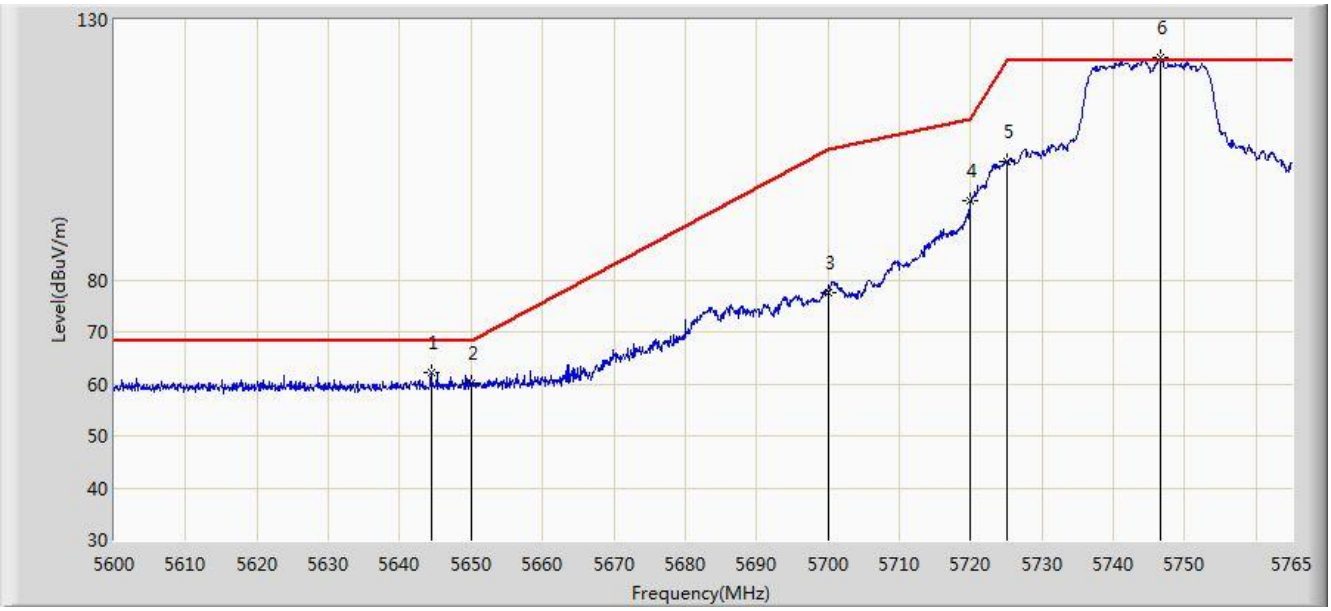


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5645.127	59.995	55.340	-8.205	68.200	4.654	PK
2			5650.000	59.066	54.395	-9.134	68.200	4.671	PK
3			5700.000	59.391	54.513	-45.809	105.200	4.878	PK
4			5720.000	72.473	67.476	-38.327	110.800	4.997	PK
5			5725.000	78.297	73.268	-43.903	122.200	5.029	PK
6			5746.355	98.829	93.666	N/A	N/A	5.163	PK

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

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

Site: AC1	Time: 2017/12/07 - 08:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 1	

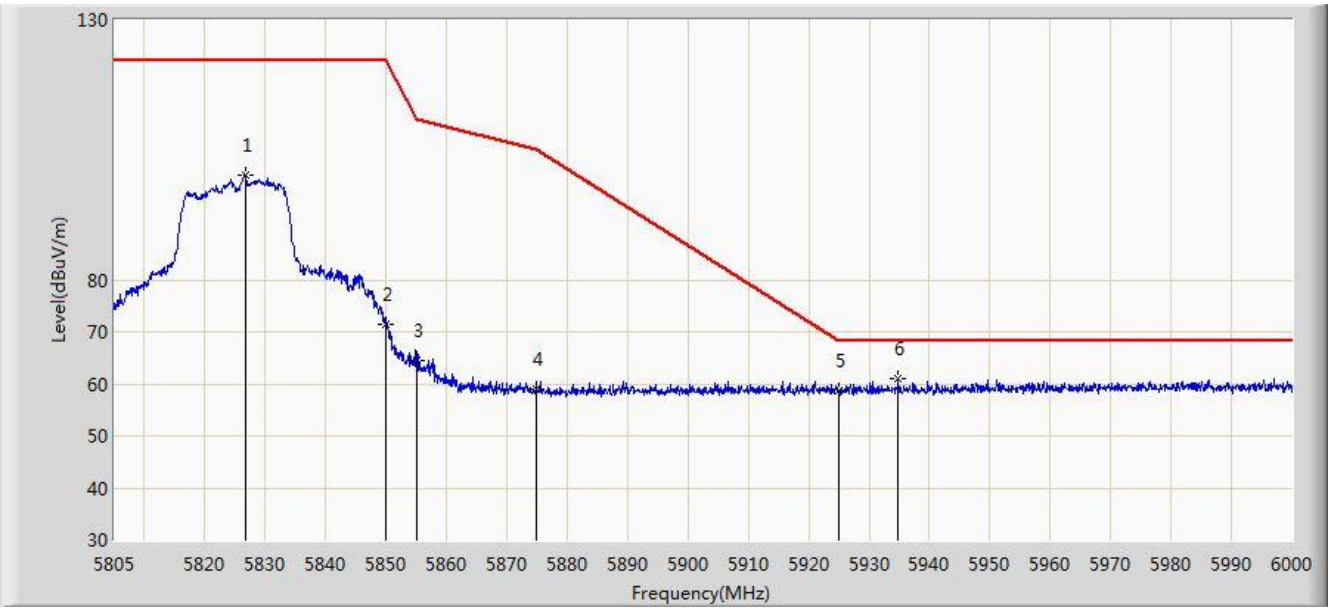


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.385	62.280	57.628	-5.920	68.200	4.652	PK
2			5650.000	60.214	55.543	-7.986	68.200	4.671	PK
3			5700.000	77.622	72.744	-27.578	105.200	4.878	PK
4			5720.000	95.083	90.086	-15.717	110.800	4.997	PK
5			5725.000	102.674	97.645	-19.526	122.200	5.029	PK
6		*	5746.685	122.759	117.594	N/A	N/A	5.165	PK

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

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

Site: AC1	Time: 2017/12/07 - 08:13
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 1	

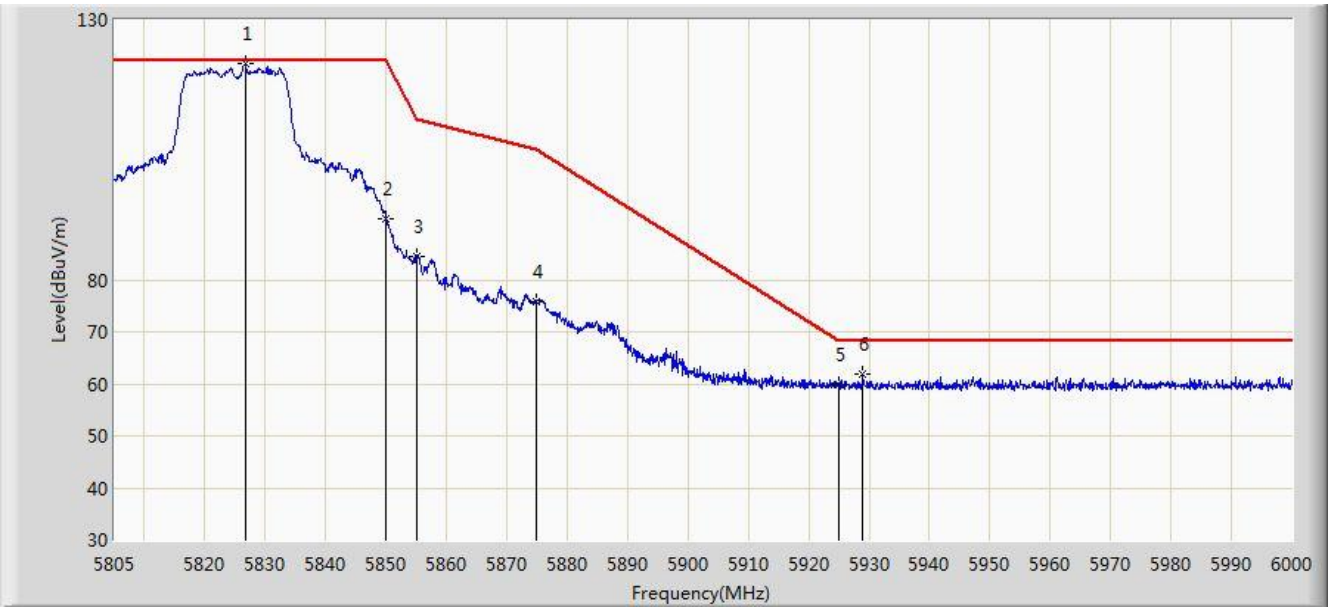


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5826.840	100.081	94.482	N/A	N/A	5.599	PK
2			5850.000	71.581	65.855	-50.619	122.200	5.726	PK
3			5855.000	64.533	58.787	-46.267	110.800	5.746	PK
4			5875.000	59.068	53.248	-46.132	105.200	5.820	PK
5			5925.000	58.599	52.633	-9.601	68.200	5.967	PK
6		*	5934.870	60.937	54.946	-7.263	68.200	5.991	PK

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

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

Site: AC1	Time: 2017/12/07 - 08:14
Limit: FCC_Part15.407_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 1	

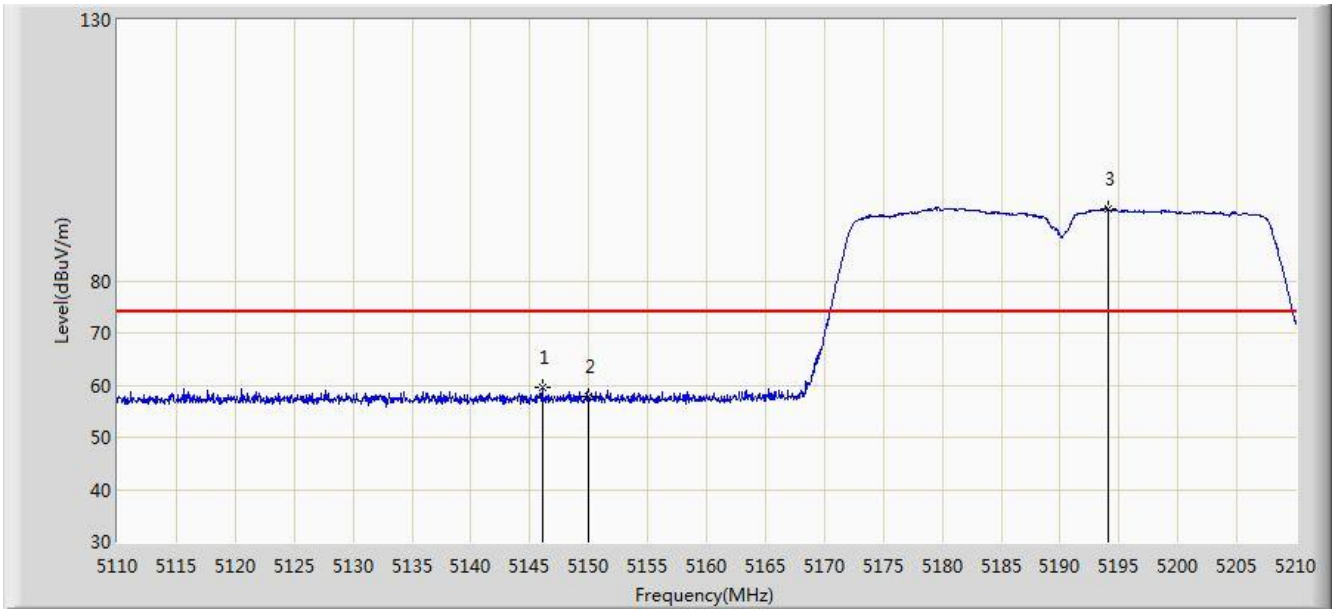


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.645	121.681	116.083	N/A	N/A	5.598	PK
2			5850.000	91.842	86.116	-30.358	122.200	5.726	PK
3			5855.000	84.529	78.783	-26.271	110.800	5.746	PK
4			5875.000	75.671	69.851	-29.529	105.200	5.820	PK
5			5925.000	59.904	53.938	-8.296	68.200	5.967	PK
6			5928.922	61.803	55.827	-6.397	68.200	5.976	PK

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

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

Site: AC1	Time: 2017/12/14 - 11:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

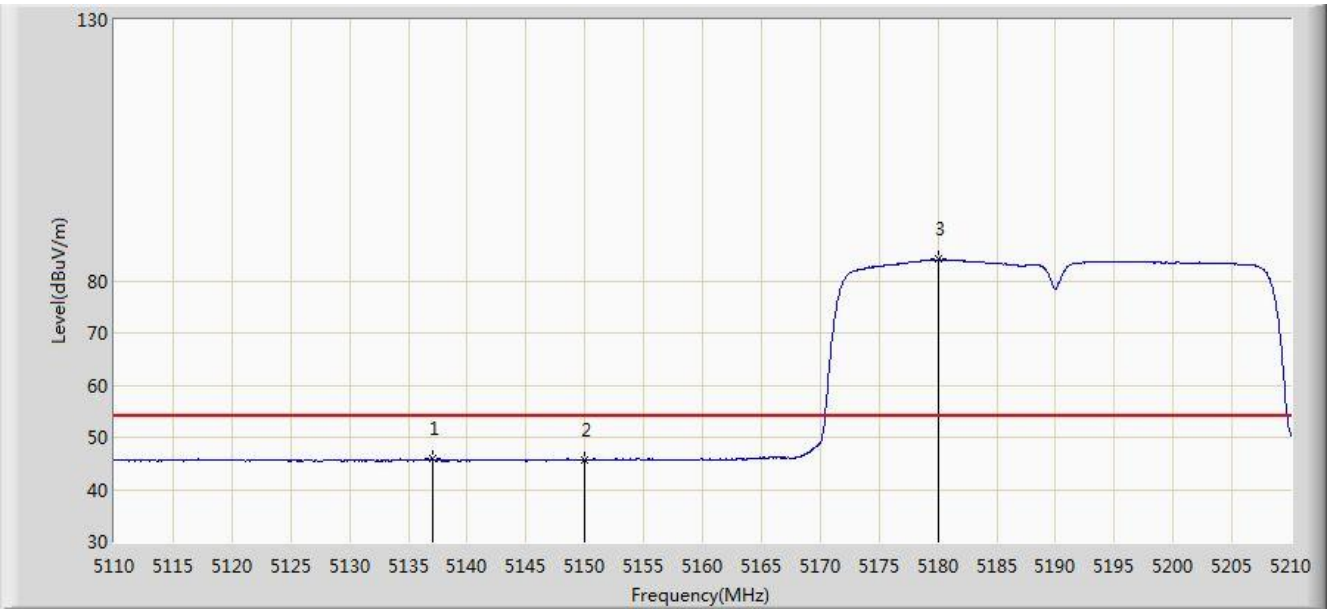


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.050	59.527	55.351	-14.473	74.000	4.175	PK
2			5150.000	57.930	53.761	-16.070	74.000	4.170	PK
3		*	5194.100	93.837	89.818	N/A	N/A	4.019	PK

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: 2017/12/14 - 11:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	

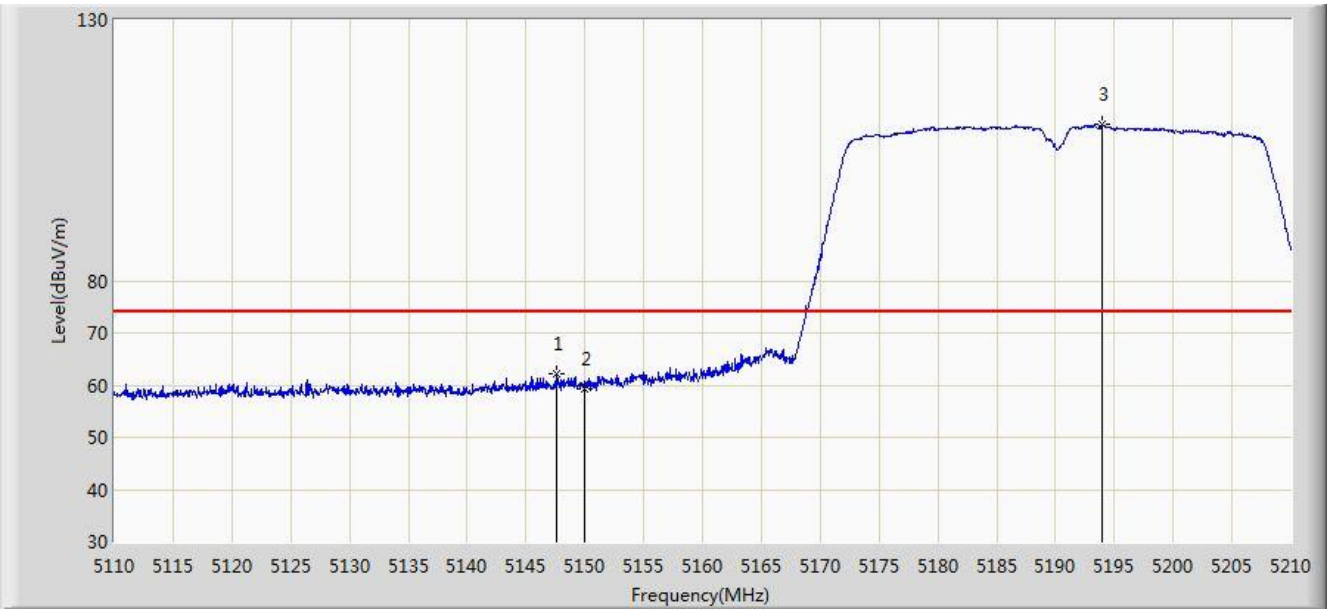


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.050	45.938	41.763	-8.062	54.000	4.175	AV
2			5150.000	45.652	41.483	-8.348	54.000	4.170	AV
3		*	5180.100	84.081	80.013	N/A	N/A	4.068	AV

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

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

Site: AC1	Time: 2017/12/14 - 11:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AC220m Wi-Fi module OD US	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5190MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.600	62.062	57.886	-11.938	74.000	4.176	PK
2			5150.000	59.353	55.184	-14.647	74.000	4.170	PK
3		*	5193.900	110.010	105.990	N/A	N/A	4.019	PK

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

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