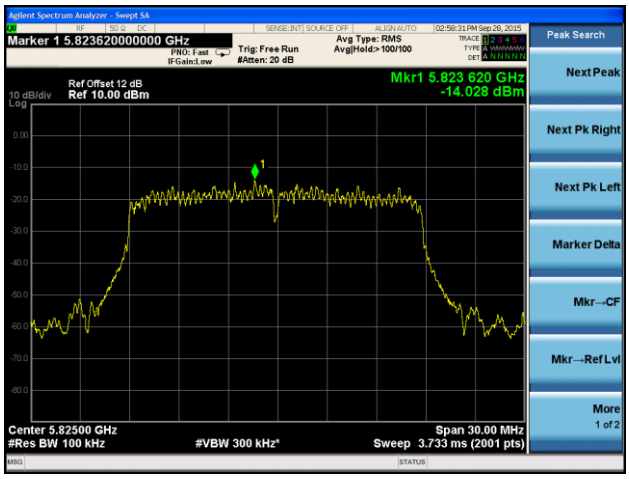
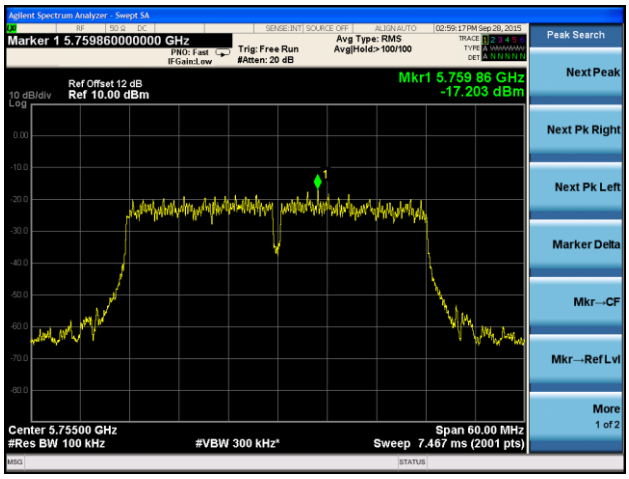
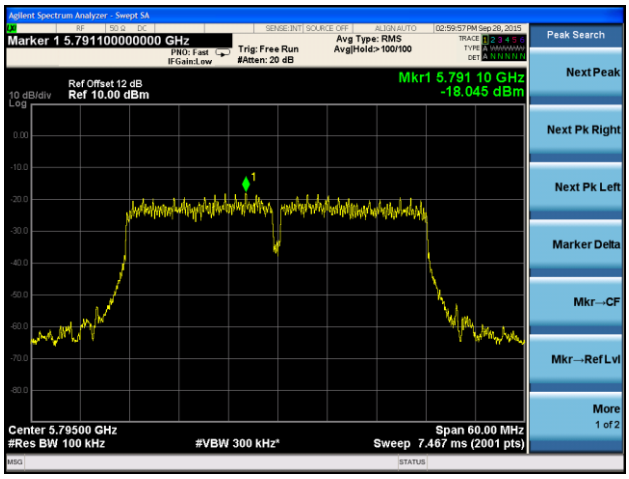
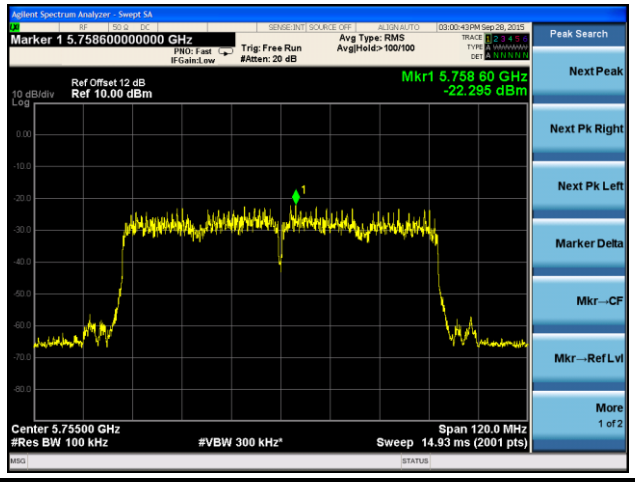
Channel 165 (5825MHz)	
	

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

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

7.6. Frequency Stability Measurement

7.6.1. 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.

7.6.2. Test Procedure Used

Frequency Stability Under Temperature Variations:

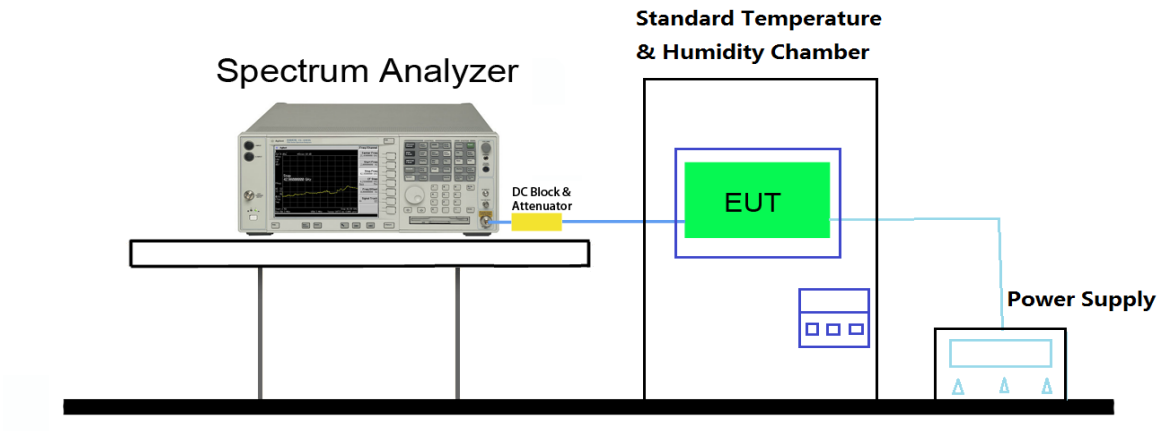
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

7.6.3. Test Setup



7.6.4. Test Result

Test Engineer	Milo Li	Temperature	-20 ~ 50°C
Test Time	10-21-2015	Relative Humidity	52%RH

Voltage (%)	Power (VAC)	Temp (℃)	Frequency Tolerance (ppm)			
			0 minutes	2 minutes	5 minutes	10 minutes
100%	120	- 20	-2.28	-3.31	-3.67	0.75
		- 10	-2.59	-1.73	1.23	0.79
		0	-0.34	-1.96	-1.49	-0.94
		+ 10	2.28	-2.29	1.98	2.13
		+ 20 (Ref)	1.74	1.62	-0.04	3.30
		+ 30	-1.36	-2.94	-3.69	-0.18
		+ 40	-1.95	-2.30	-2.22	-3.11
		+ 50	1.09	-2.11	-0.09	0.64
115%	138	+ 20	-1.38	0.00	-1.52	-0.64
85%	102	+ 20	0.25	0.62	-2.86	2.29

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

7.7. Radiated Spurious Emission Measurement

7.7.1. Test Limit

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

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

7.7.2. Test Procedure Used

KDB 789033 D02v01 – Section G

7.7.3. 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

Quasi-Peak Measurements below 1GHz

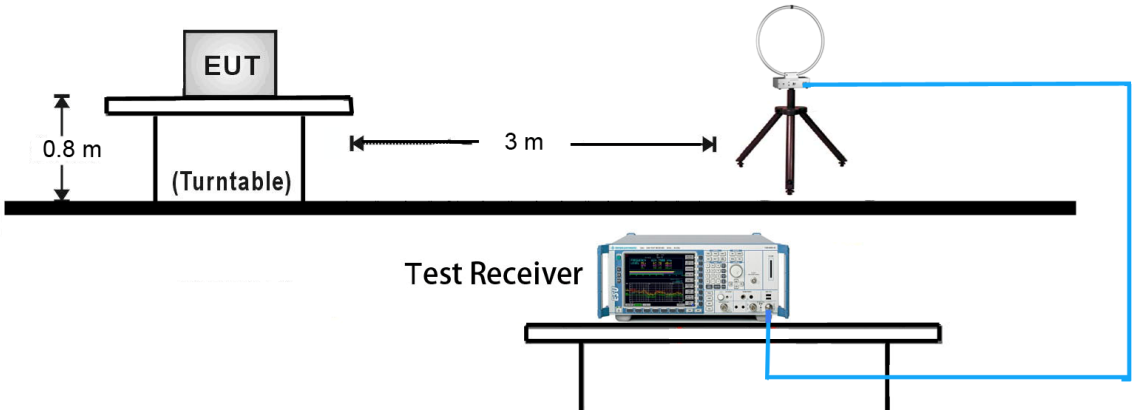
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

Average Measurements above 1GHz (Method AD)

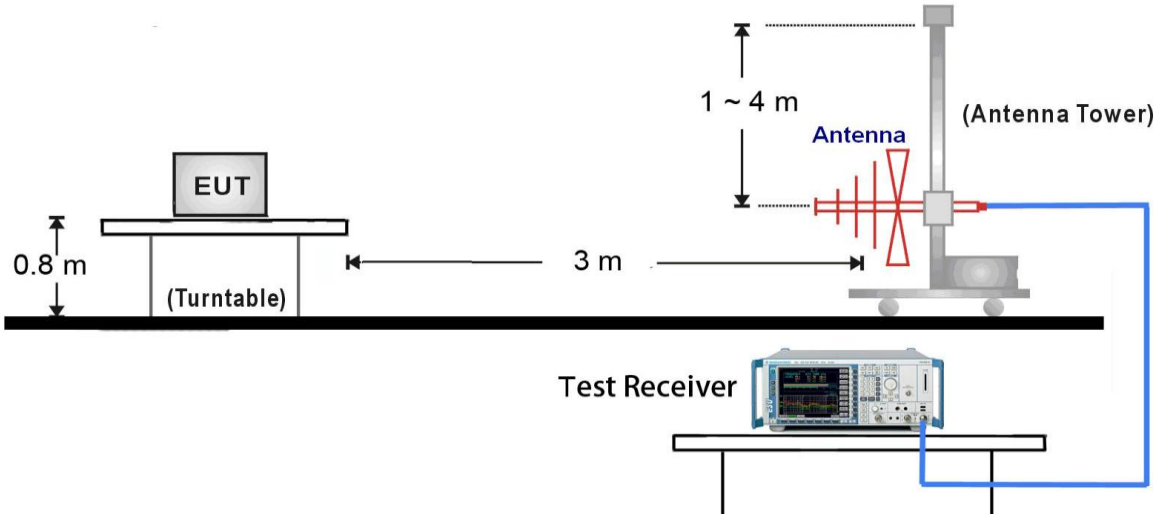
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
6. Sweep time = auto
7. Trace was averaged over at 100 sweeps

7.7.4. Test Setup

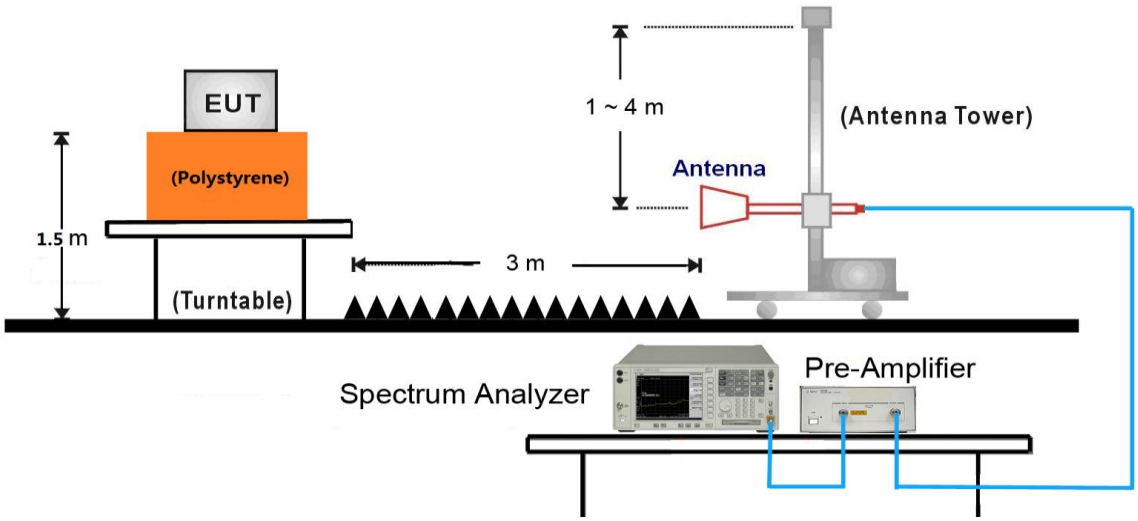
9kHz ~ 30MHz Test Setup:



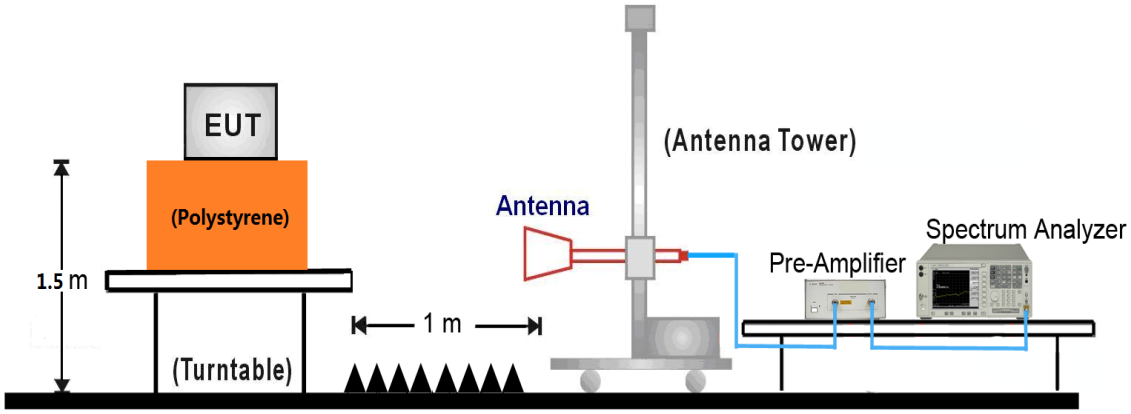
30MHz ~ 1GHz Test Setup:



1GHz ~18GHz Test Setup:



18GHz ~40GHz Test Setup:



7.7.5. Test Result

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
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	36.2	8.2	44.4	68.2	-23.8	Peak	Horizontal
*	8777.5	35.1	8.9	44.0	68.2	-24.2	Peak	Horizontal
	9330.0	34.6	10.4	45.0	74.0	-29.0	Peak	Horizontal
	11217.0	34.7	12.4	47.1	74.0	-26.9	Peak	Horizontal
*	7961.5	35.1	8.6	43.7	68.2	-24.5	Peak	Vertical
*	8709.5	35.2	9.0	44.2	68.2	-24.0	Peak	Vertical
	9313.0	35.1	10.4	45.5	74.0	-28.5	Peak	Vertical
	10877.0	34.5	12.9	47.4	74.0	-26.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
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	36.5	8.4	44.9	68.2	-23.3	Peak	Horizontal
*	8684.0	35.2	9.0	44.2	68.2	-24.0	Peak	Horizontal
	9474.5	34.4	10.6	45.0	74.0	-29.0	Peak	Horizontal
	11565.5	35.5	12.7	48.2	74.0	-25.8	Peak	Horizontal
*	7783.0	35.4	8.3	43.7	68.2	-24.5	Peak	Vertical
*	8964.5	34.9	9.0	43.9	68.2	-24.3	Peak	Vertical
	9338.5	34.3	10.4	44.7	74.0	-29.3	Peak	Vertical
	10945.0	34.7	13.1	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
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
*	7766.0	36.0	8.2	44.2	68.2	-24.0	Peak	Horizontal
*	8769.0	35.9	8.9	44.8	68.2	-23.4	Peak	Horizontal
	9491.5	35.3	10.6	45.9	74.0	-28.1	Peak	Horizontal
	11336.0	35.3	12.5	47.8	74.0	-26.2	Peak	Horizontal
*	7936.0	34.3	8.5	42.8	68.2	-25.4	Peak	Vertical
*	8811.5	33.2	9.0	42.2	68.2	-26.0	Peak	Vertical
	9423.5	33.4	10.6	44.0	74.0	-30.0	Peak	Vertical
	11242.5	35.0	12.4	47.4	74.0	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
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	34.5	8.4	42.9	68.2	-25.3	Peak	Horizontal
*	8624.5	36.0	8.8	44.8	68.2	-23.4	Peak	Horizontal
	9398.0	35.2	10.5	45.7	74.0	-28.3	Peak	Horizontal
	11098.0	34.3	12.8	47.1	74.0	-26.9	Peak	Horizontal
*	7842.5	36.4	8.4	44.8	68.2	-23.4	Peak	Vertical
*	8675.5	35.6	8.9	44.5	68.2	-23.7	Peak	Vertical
	9321.5	34.1	10.4	44.5	74.0	-29.5	Peak	Vertical
	10928.0	34.4	13.0	47.4	74.0	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
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
*	7970.0	35.0	8.6	43.6	68.2	-24.6	Peak	Horizontal
*	8845.5	35.8	9.1	44.9	68.2	-23.3	Peak	Horizontal
	9406.5	34.3	10.6	44.9	74.0	-29.1	Peak	Horizontal
	11030.0	34.1	13.0	47.1	74.0	-26.9	Peak	Horizontal
*	7961.5	34.4	8.6	43.0	68.2	-25.2	Peak	Vertical
*	8633.0	36.0	8.8	44.8	68.2	-23.4	Peak	Vertical
	9347.0	35.2	10.5	45.7	74.0	-28.3	Peak	Vertical
	11132.0	34.4	12.7	47.1	74.0	-26.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11n-HT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
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
*	7970.0	35.3	8.6	43.9	68.2	-24.3	Peak	Horizontal
*	8556.5	35.6	8.6	44.2	68.2	-24.0	Peak	Horizontal
	9364.0	35.3	10.5	45.8	74.0	-28.2	Peak	Horizontal
	10877.0	35.1	12.9	48.0	74.0	-26.0	Peak	Horizontal
*	7808.5	35.0	8.4	43.4	68.2	-24.8	Peak	Vertical
*	8913.5	35.1	9.1	44.2	68.2	-24.0	Peak	Vertical
	9466.0	34.1	10.5	44.6	74.0	-29.4	Peak	Vertical
	11514.5	35.7	12.8	48.5	74.0	-25.5	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
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	35.0	8.4	43.4	68.2	-24.8	Peak	Horizontal
*	8854.0	34.2	9.1	43.3	68.2	-24.9	Peak	Horizontal
	9466.0	32.8	10.5	43.3	74.0	-30.7	Peak	Horizontal
	11574.0	35.5	12.6	48.1	74.0	-25.9	Peak	Horizontal
*	7961.5	35.3	8.6	43.9	68.2	-24.3	Peak	Vertical
*	8709.5	34.7	9.0	43.7	68.2	-24.5	Peak	Vertical
	9474.5	34.3	10.6	44.9	74.0	-29.1	Peak	Vertical
	11574.0	34.6	12.6	47.2	74.0	-26.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11n-HT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
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	35.7	8.4	44.1	68.2	-24.1	Peak	Horizontal
*	8718.0	35.3	9.0	44.3	68.2	-23.9	Peak	Horizontal
	9364.0	34.7	10.5	45.2	74.0	-28.8	Peak	Horizontal
	10928.0	34.4	13.0	47.4	74.0	-26.6	Peak	Horizontal
*	7876.5	35.4	8.4	43.8	68.2	-24.4	Peak	Vertical
*	8718.0	35.0	9.0	44.0	68.2	-24.2	Peak	Vertical
	9423.5	34.0	10.6	44.6	74.0	-29.4	Peak	Vertical
	11285.0	35.3	12.4	47.7	74.0	-26.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	149	Test Engineer:	Roy Cheng
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	35.3	8.4	43.7	68.2	-24.5	Peak	Horizontal
*	8743.5	35.2	9.0	44.2	68.2	-24.0	Peak	Horizontal
	9321.5	34.6	10.4	45.0	74.0	-29.0	Peak	Horizontal
	10885.5	34.3	12.9	47.2	74.0	-26.8	Peak	Horizontal
*	7825.5	35.7	8.4	44.1	68.2	-24.1	Peak	Vertical
*	8658.5	33.6	8.8	42.4	68.2	-25.8	Peak	Vertical
	9483.0	33.9	10.6	44.5	74.0	-29.5	Peak	Vertical
	10979.0	34.8	13.0	47.8	74.0	-26.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	157	Test Engineer:	Roy Cheng
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
*	7834.0	35.5	8.4	43.9	68.2	-24.3	Peak	Horizontal
*	8794.5	35.0	8.9	43.9	68.2	-24.3	Peak	Horizontal
	9338.5	33.8	10.4	44.2	74.0	-29.8	Peak	Horizontal
	11030.0	34.3	13.0	47.3	74.0	-26.7	Peak	Horizontal
*	7834.0	35.5	8.4	43.9	68.2	-24.3	Peak	Vertical
*	8973.0	35.1	9.0	44.1	68.2	-24.1	Peak	Vertical
	9338.5	33.5	10.4	43.9	74.0	-30.1	Peak	Vertical
	10902.5	34.1	13.0	47.1	74.0	-26.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11ac-VHT20	Test Site:	AC1
Test Channel:	165	Test Engineer:	Roy Cheng
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	34.9	8.4	43.3	68.2	-24.9	Peak	Horizontal
*	8726.5	35.2	9.0	44.2	68.2	-24.0	Peak	Horizontal
	9381.0	33.1	10.5	43.6	74.0	-30.4	Peak	Horizontal
	11412.5	34.7	12.6	47.3	74.0	-26.7	Peak	Horizontal
*	7817.0	36.2	8.4	44.6	68.2	-23.6	Peak	Vertical
*	8633.0	35.9	8.8	44.7	68.2	-23.5	Peak	Vertical
	9398.0	34.4	10.5	44.9	74.0	-29.1	Peak	Vertical
	10860.0	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	151	Test Engineer:	Roy Cheng
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	35.8	8.2	44.0	68.2	-24.2	Peak	Horizontal
*	8735.0	34.9	8.9	43.8	68.2	-24.4	Peak	Horizontal
	9466.0	32.5	10.5	43.0	74.0	-31.0	Peak	Horizontal
	10894.0	34.0	12.9	46.9	74.0	-27.1	Peak	Horizontal
*	7902.0	35.5	8.3	43.8	68.2	-24.4	Peak	Vertical
*	8735.0	35.0	8.9	43.9	68.2	-24.3	Peak	Vertical
	9423.5	35.6	10.6	46.2	74.0	-27.8	Peak	Vertical
	11251.0	34.3	12.4	46.7	74.0	-27.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11ac-VHT40	Test Site:	AC1
Test Channel:	159	Test Engineer:	Roy Cheng
Remark:	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
*	7953.0	34.5	8.6	43.1	68.2	-25.1	Peak	Horizontal
*	8692.5	34.7	9.0	43.7	68.2	-24.5	Peak	Horizontal
	9364.0	33.2	10.5	43.7	74.0	-30.3	Peak	Horizontal
	10996.0	34.1	13.0	47.1	74.0	-26.9	Peak	Horizontal
*	7987.0	35.1	8.7	43.8	68.2	-24.4	Peak	Vertical
*	8803.0	34.7	8.9	43.6	68.2	-24.6	Peak	Vertical
	9304.5	34.6	10.4	45.0	74.0	-29.0	Peak	Vertical
	10945.0	34.5	13.1	47.6	74.0	-26.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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

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

Test Mode:	802.11ac-VHT80	Test Site:	AC1
Test Channel:	155	Test Engineer:	Roy Cheng
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
*	7995.5	35.5	8.7	44.2	68.2	-24.0	Peak	Horizontal
*	8811.5	33.1	9.0	42.1	68.2	-26.1	Peak	Horizontal
	9338.5	33.8	10.4	44.2	74.0	-29.8	Peak	Horizontal
	11455.0	35.1	12.7	47.8	74.0	-26.2	Peak	Horizontal
*	7791.5	35.6	8.3	43.9	68.2	-24.3	Peak	Vertical
*	8573.5	35.6	8.7	44.3	68.2	-23.9	Peak	Vertical
	9313.0	33.2	10.4	43.6	74.0	-30.4	Peak	Vertical
	10953.5	33.9	13.1	47.0	74.0	-27.0	Peak	Vertical

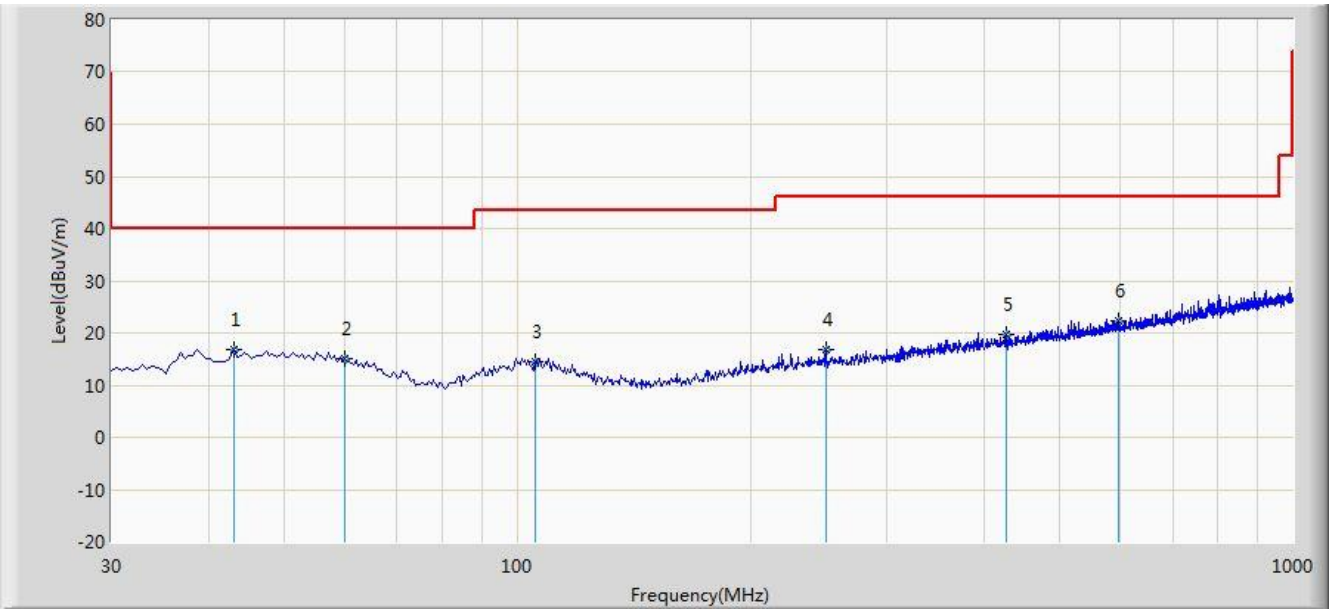
Note 1: “*” is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions.

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: AC 1	Time: 2015/10/17 - 15:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Worst Mode: Transmit by 802.11n-HT20 at channel 5785MHz	

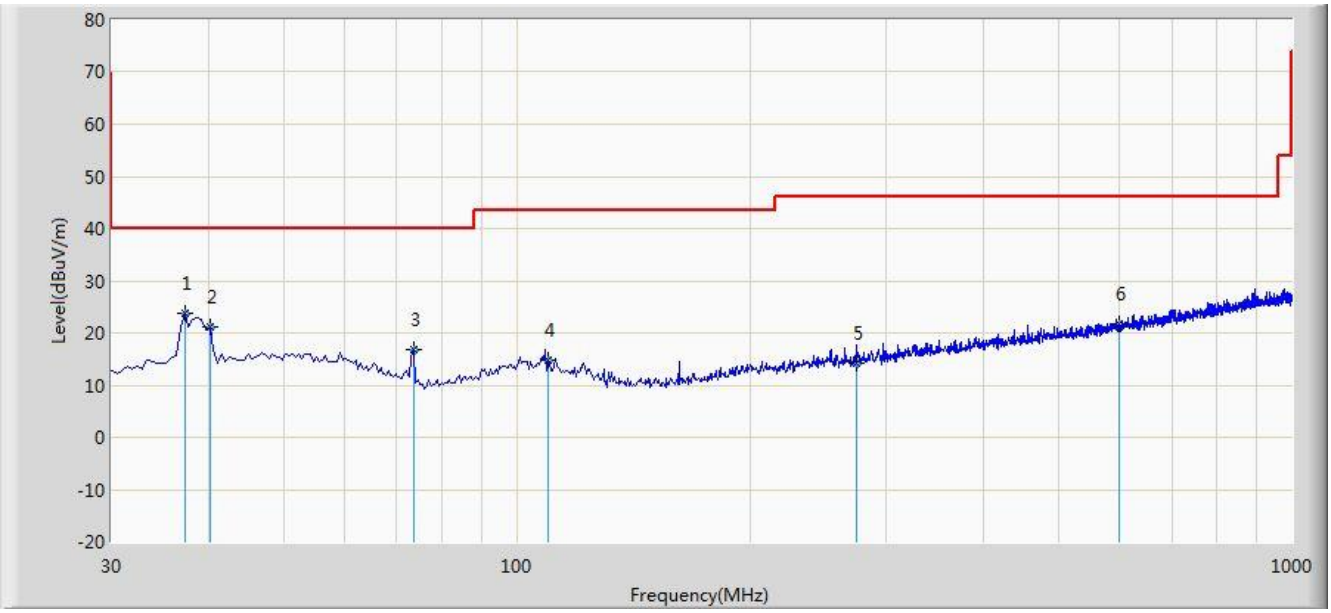


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	43.095	16.917	2.486	-23.083	40.000	14.431	QP
2			60.070	15.025	1.182	-24.975	40.000	13.843	QP
3			105.660	14.620	1.568	-28.880	43.500	13.052	QP
4			250.190	16.927	3.295	-29.073	46.000	13.632	QP
5			426.730	19.740	2.713	-26.260	46.000	17.027	QP
6			597.450	22.446	2.512	-23.554	46.000	19.934	QP

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

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

Site: AC 1	Time: 2015/10/17 - 15:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Milo Li
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Worst Mode: Transmit by 802.11n-HT20 at channel 5785MHz	

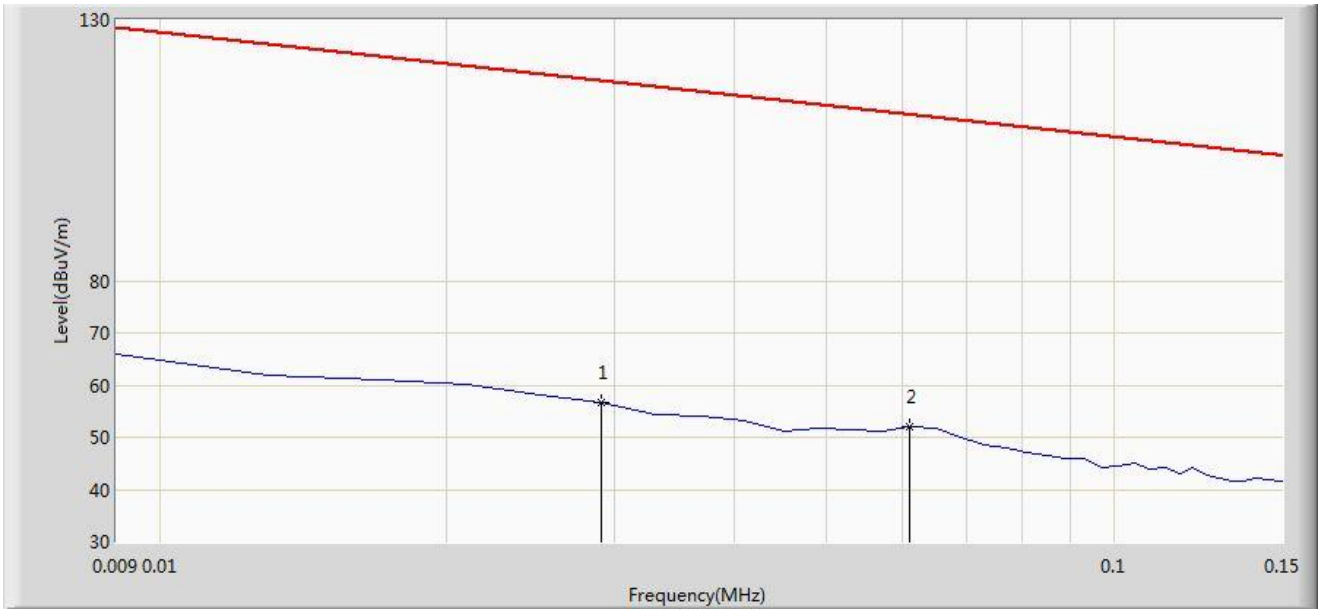


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	37.275	23.887	10.557	-16.113	40.000	13.330	QP
2			40.185	21.227	7.348	-18.773	40.000	13.879	QP
3			73.650	16.760	6.735	-23.240	40.000	10.025	QP
4			110.025	14.735	1.861	-28.765	43.500	12.874	QP
5			273.955	14.339	0.287	-31.661	46.000	14.052	QP
6			599.390	21.784	1.830	-24.216	46.000	19.954	QP

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

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

Site: AC1	Time: 2015/10/16 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

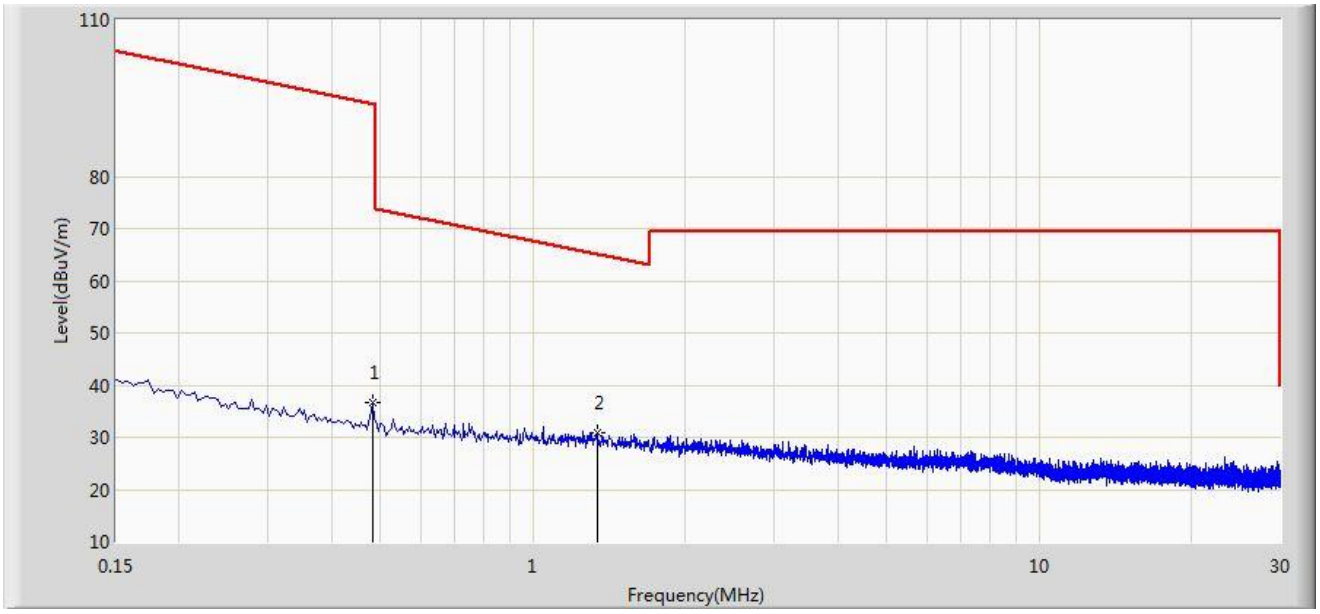


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.610	35.660	-61.732	118.342	21.049	QP
2		*	0.061	51.899	31.588	-59.988	111.887	20.311	QP

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

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

Site: AC1	Time: 2015/10/16 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 9kHz~30MHz.	

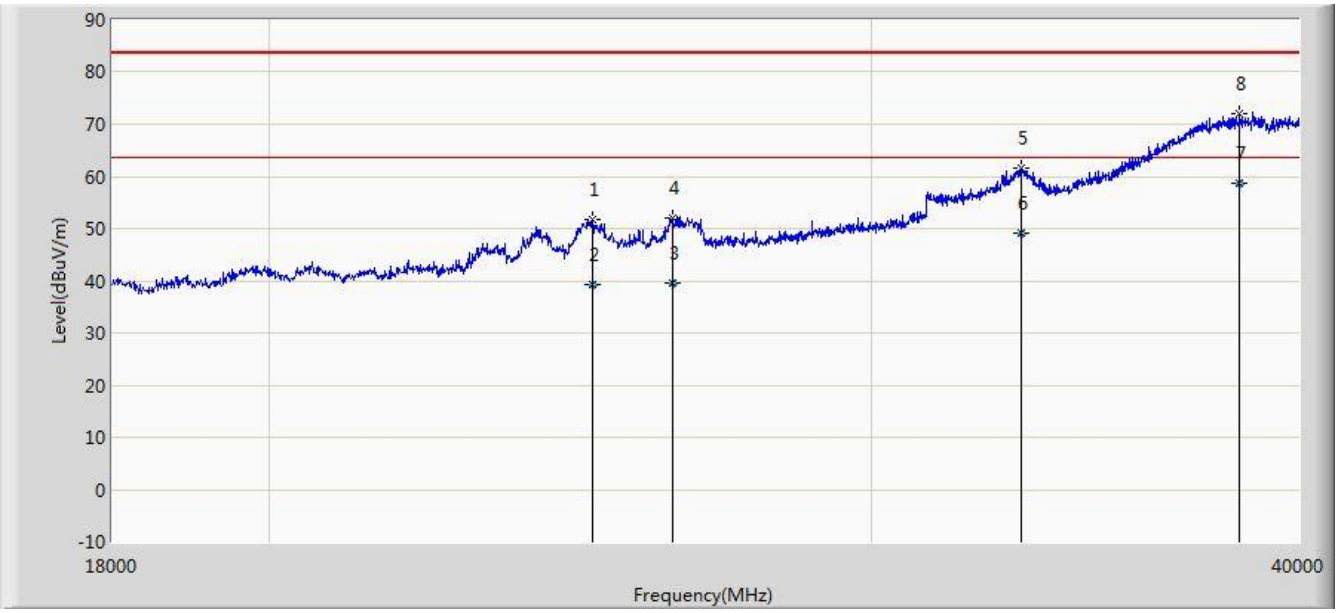


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.584	16.183	-57.359	93.943	20.401	QP
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

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

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

Site: AC1	Time: 2015/10/16 - 10:21
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 18GHz~40GHz.	

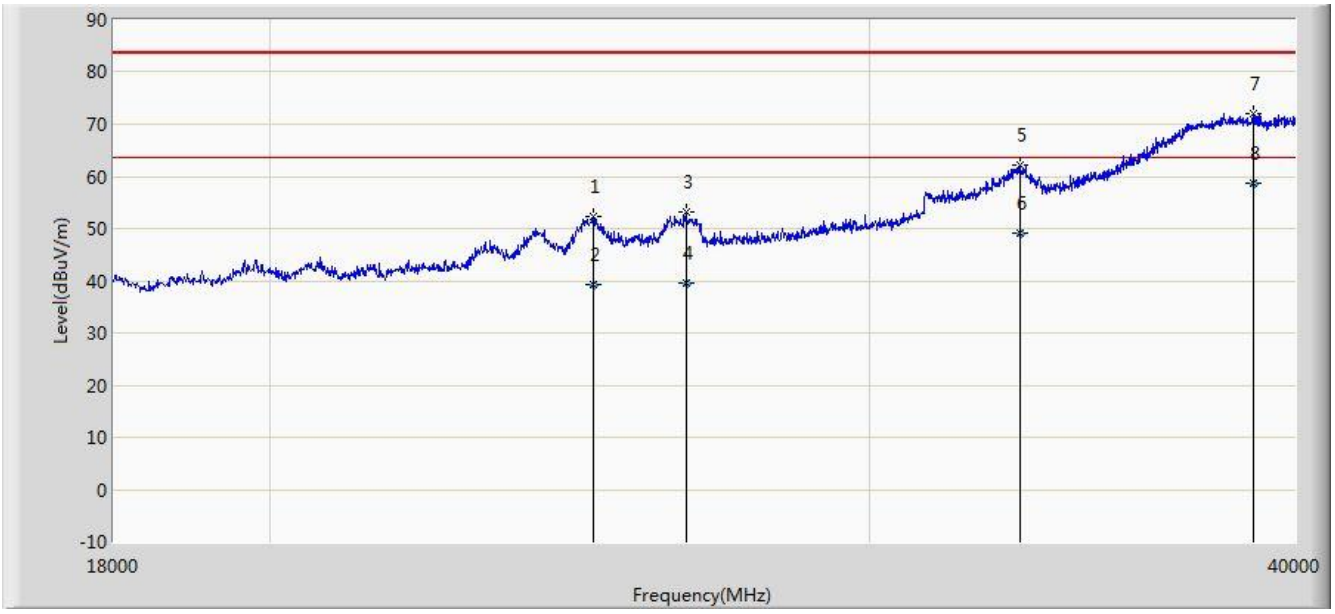


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	36.537	-31.544	83.500	15.419	PK
5			33180.000	61.461	39.940	-22.039	83.500	21.521	PK
6			33180.361	49.061	27.540	-14.439	63.500	21.521	AV
7		*	38437.980	58.523	31.190	-4.977	63.500	27.333	AV
8			38438.000	72.021	44.688	-11.479	83.500	27.333	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: 2015/10/16 - 10:25
Limit: FCC_Part15.209_RE(1m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Note: There is the ambient noise within frequency range 18GHz~40GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24886.000	52.313	37.528	-31.187	83.500	14.785	PK
2			24886.970	39.234	24.449	-24.266	63.500	14.785	AV
3			26503.000	53.227	37.207	-30.273	83.500	16.020	PK
4			26503.872	39.572	23.550	-23.928	63.500	16.022	AV
5			33213.000	62.110	40.572	-21.390	83.500	21.538	PK
6			33213.984	49.098	27.560	-14.402	63.500	21.538	AV
7			38900.000	72.096	44.211	-11.404	83.500	27.885	PK
8		*	38900.755	58.705	30.820	-4.795	63.500	27.885	AV

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

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

7.8. Radiated Restricted Band Edge Measurement

7.8.1. Test Limit

For 15.205 requirement:

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

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

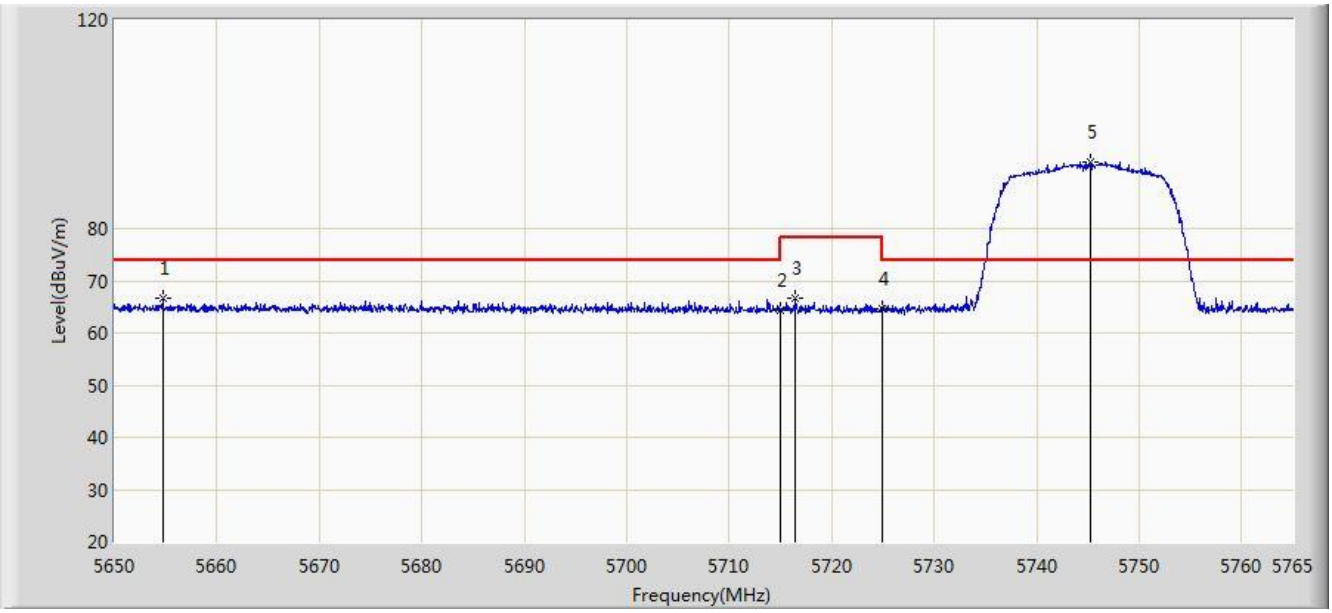
Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit.

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

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

7.8.2. Test Result of Radiated Restricted Band Edge

Site: AC1	Time: 2015/10/22 - 13:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

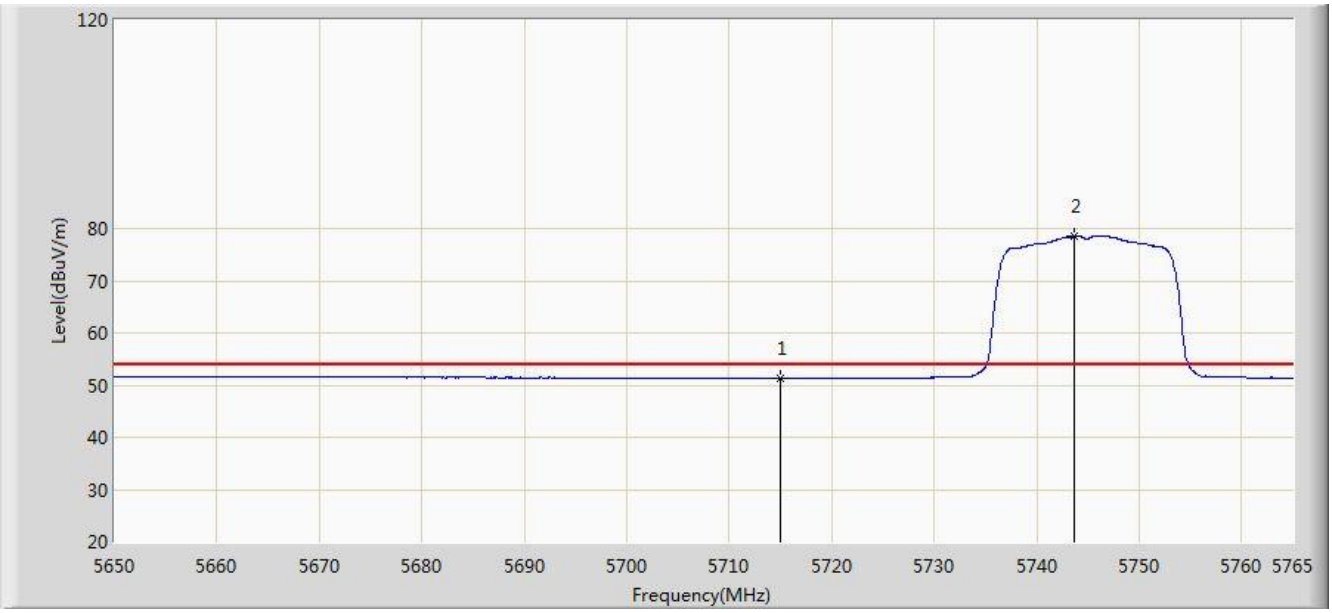


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5654.715	66.748	28.957	-7.252	74.000	37.792	PK
2			5715.000	64.256	26.307	-9.744	74.000	37.949	PK
3			5716.470	66.667	28.712	-11.533	78.200	37.955	PK
4			5725.000	64.568	26.578	-13.632	78.200	37.990	PK
5		*	5745.277	92.833	54.760	N/A	N/A	38.073	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

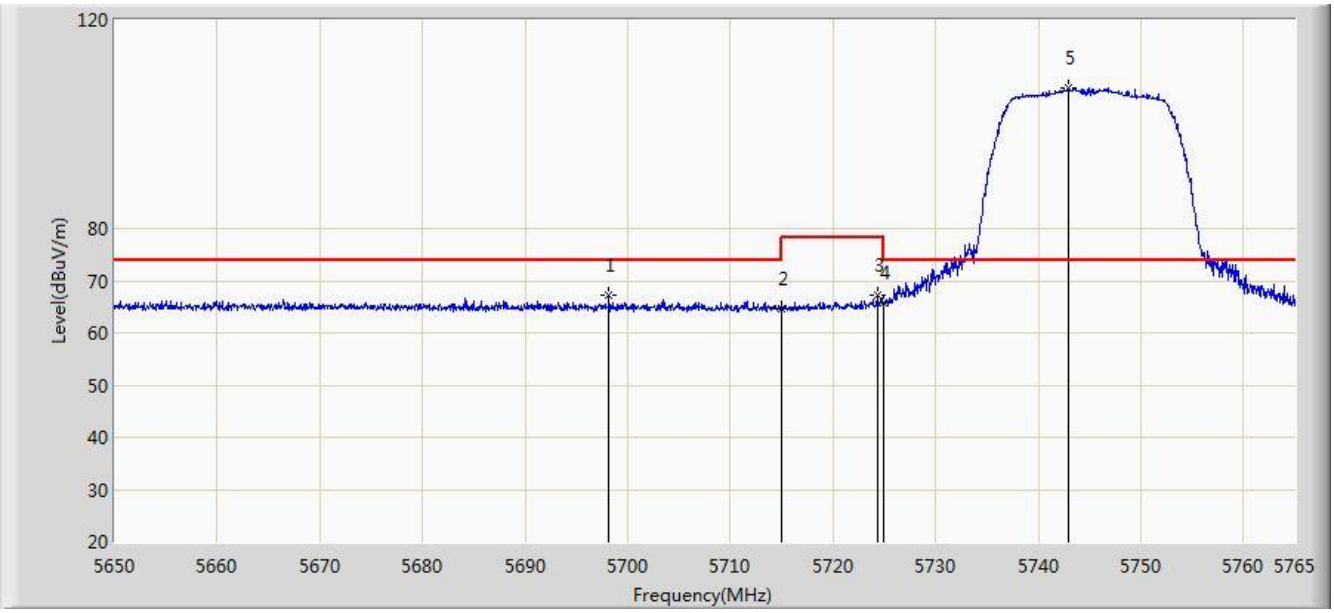


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.345	13.396	-2.655	54.000	37.949	AV
2		*	5743.667	78.548	40.483	N/A	N/A	38.065	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

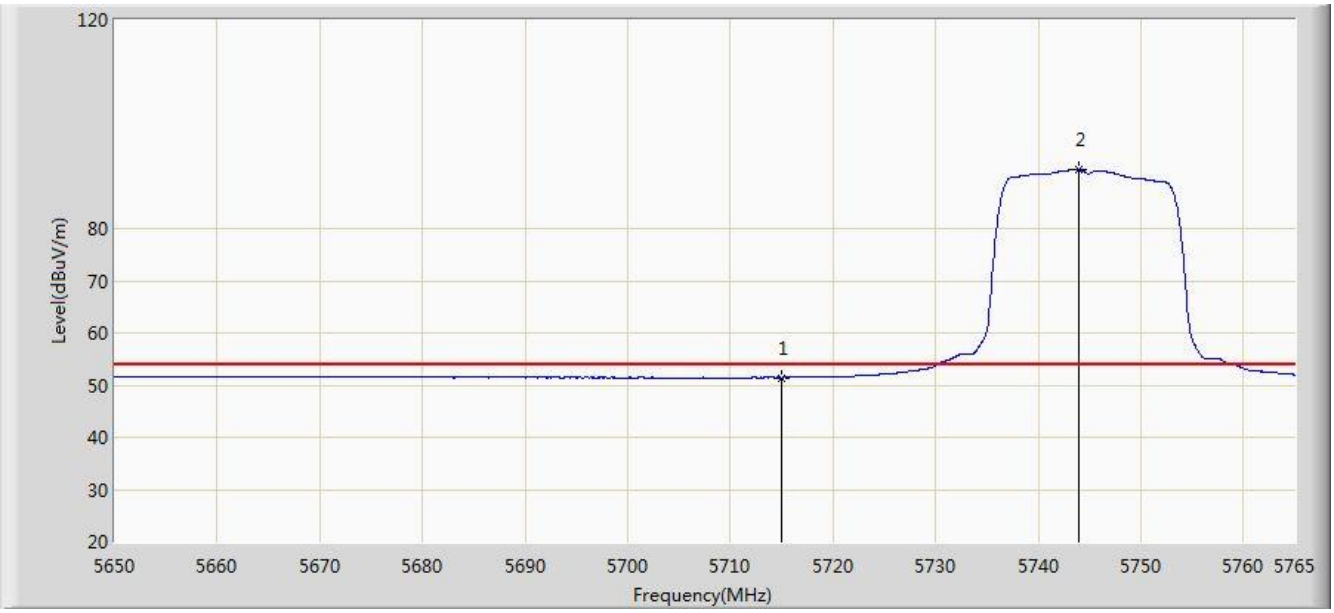


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5698.185	67.173	29.285	-6.827	74.000	37.888	PK
2			5715.000	64.779	26.830	-9.221	74.000	37.949	PK
3			5724.290	67.298	29.311	-10.902	78.200	37.987	PK
4			5725.000	65.687	27.697	-12.513	78.200	37.990	PK
5		*	5742.920	106.873	68.811	N/A	N/A	38.062	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

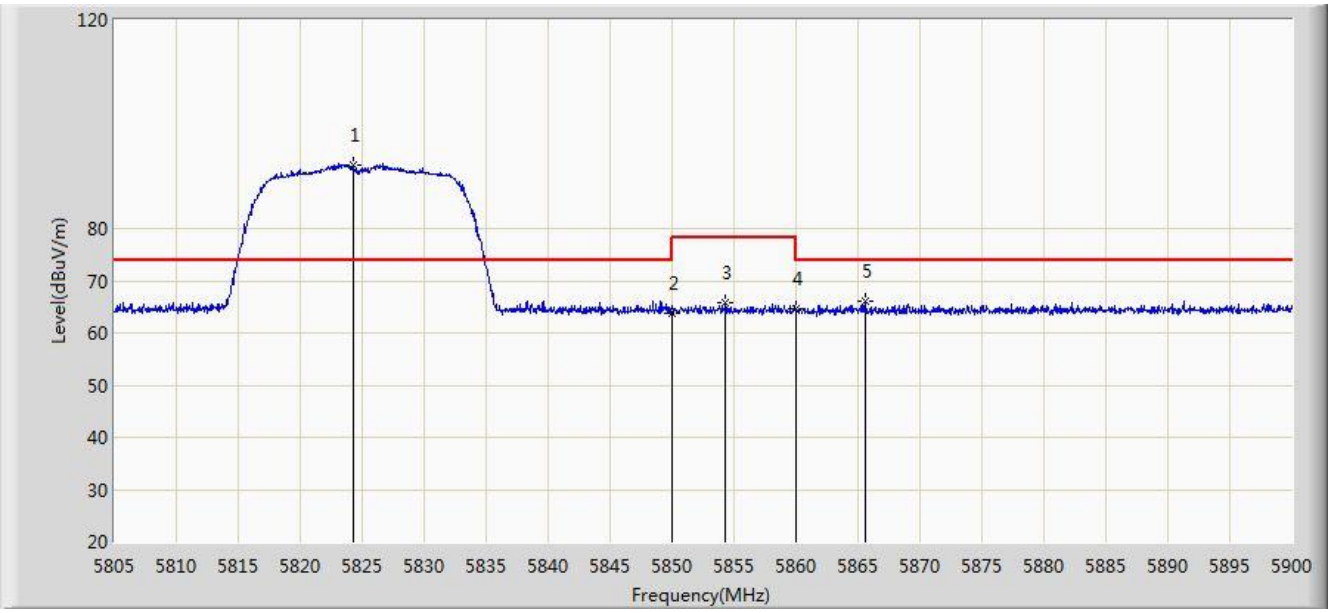


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.430	13.481	-2.570	54.000	37.949	AV
2		*	5744.013	91.284	53.217	N/A	N/A	38.067	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

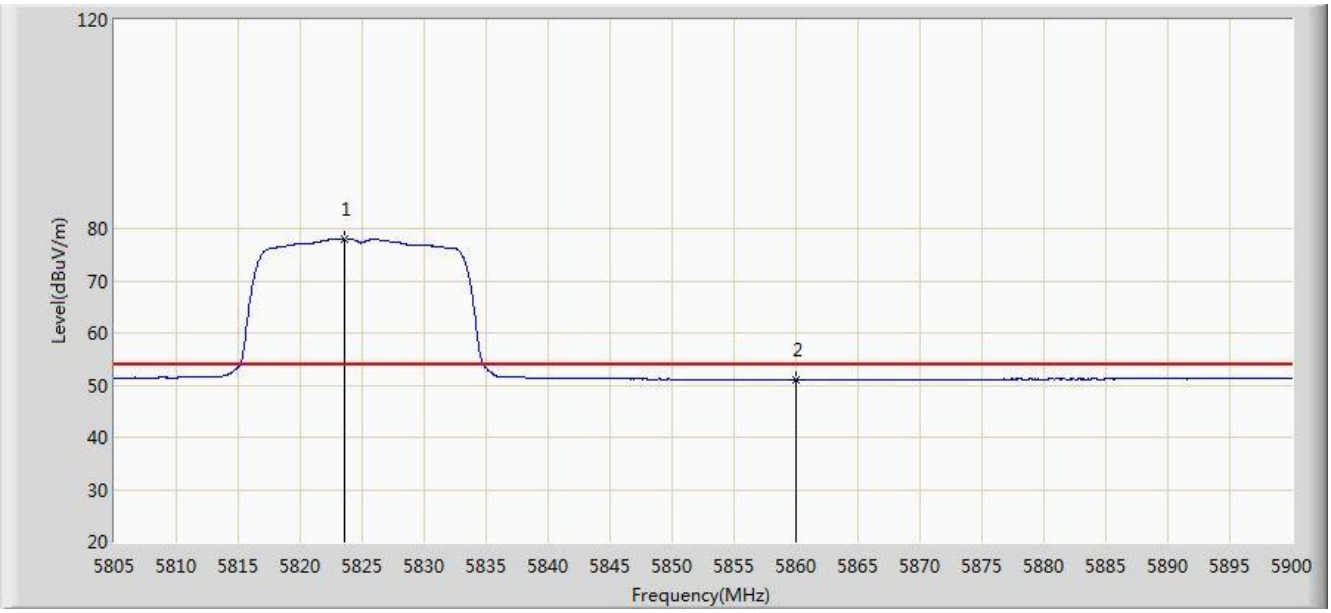


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5824.237	92.305	53.953	N/A	N/A	38.352	PK
2			5850.000	63.860	25.407	-14.340	78.200	38.454	PK
3			5854.305	65.766	27.302	-12.434	78.200	38.464	PK
4			5860.000	64.643	26.165	-9.357	74.000	38.478	PK
5			5865.562	66.017	27.530	-7.983	74.000	38.486	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

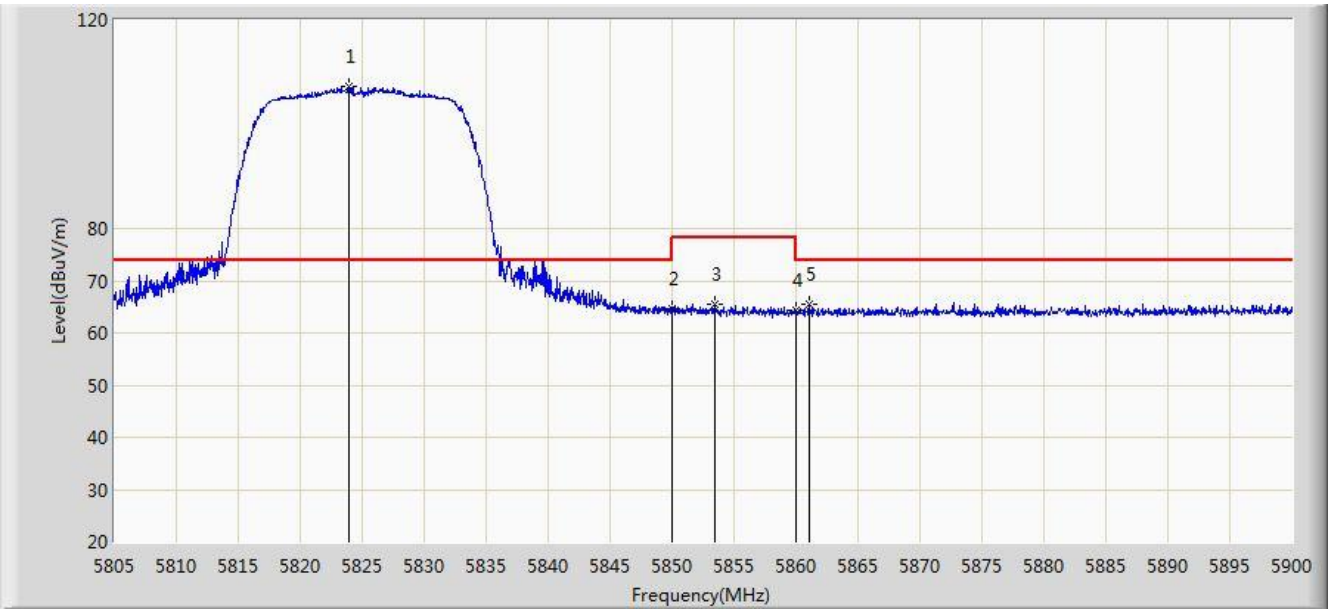


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.572	78.081	39.731	N/A	N/A	38.350	AV
2			5860.000	51.092	12.614	-2.908	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:47
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

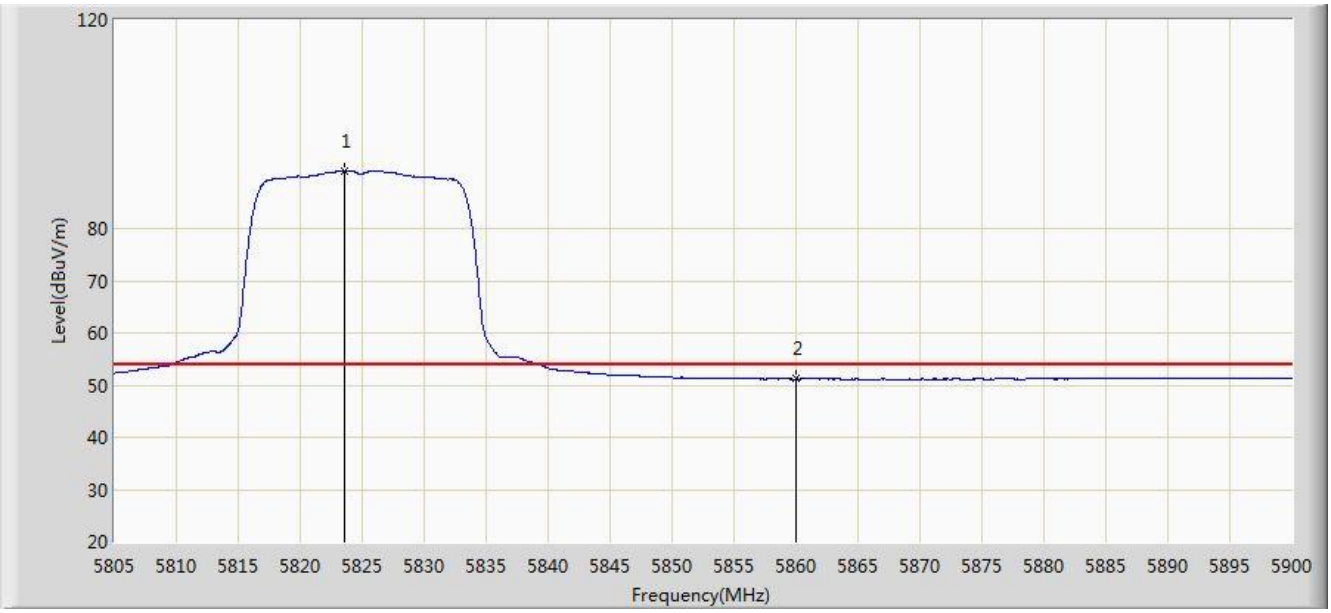


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.905	107.377	69.026	N/A	N/A	38.351	PK
2			5850.000	64.691	26.238	-13.509	78.200	38.454	PK
3			5853.402	65.552	27.090	-12.648	78.200	38.462	PK
4			5860.000	64.363	25.885	-9.637	74.000	38.478	PK
5			5861.050	65.408	26.928	-8.592	74.000	38.480	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

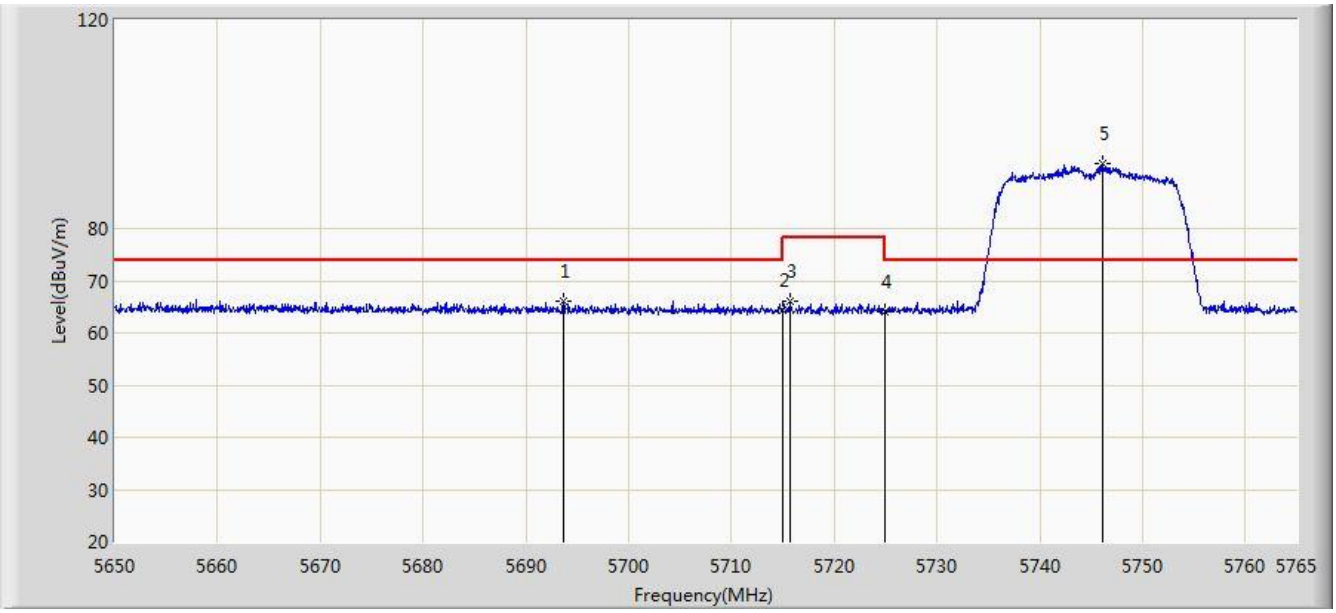


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.572	91.011	52.661	N/A	N/A	38.350	AV
2			5860.000	51.176	12.698	-2.824	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

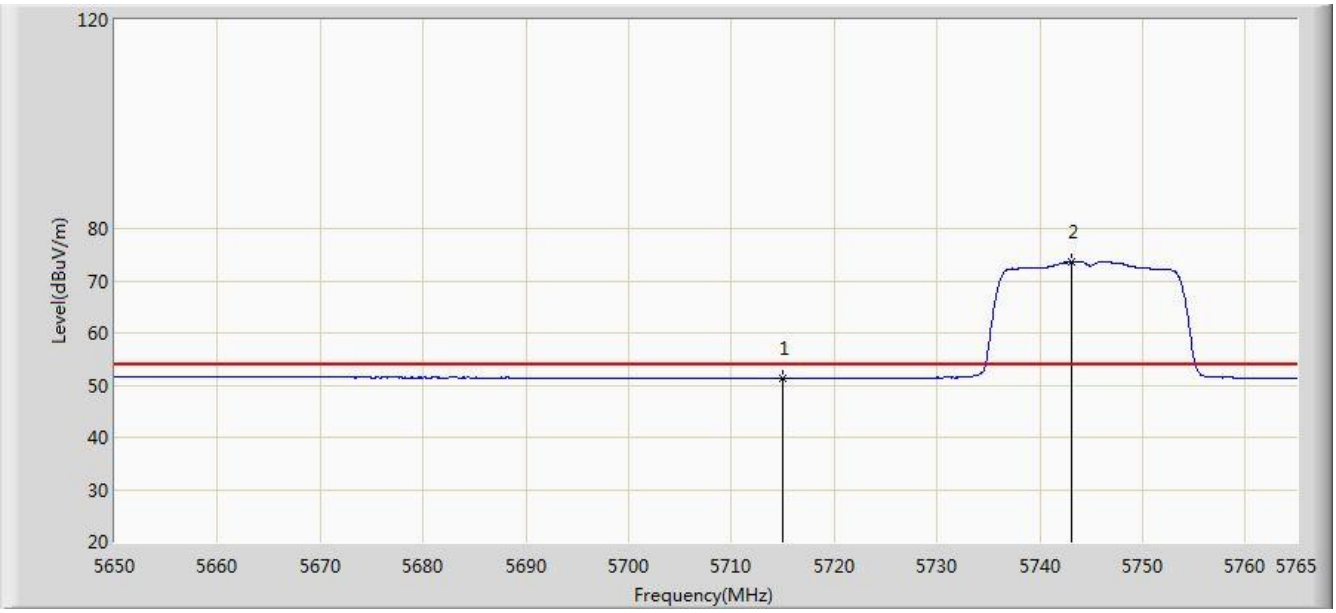


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5693.700	66.219	28.342	-7.781	74.000	37.877	PK
2			5715.000	64.431	26.482	-9.569	74.000	37.949	PK
3			5715.780	66.090	28.138	-12.110	78.200	37.953	PK
4			5725.000	64.075	26.085	-14.125	78.200	37.990	PK
5		*	5746.083	92.434	54.357	N/A	N/A	38.077	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

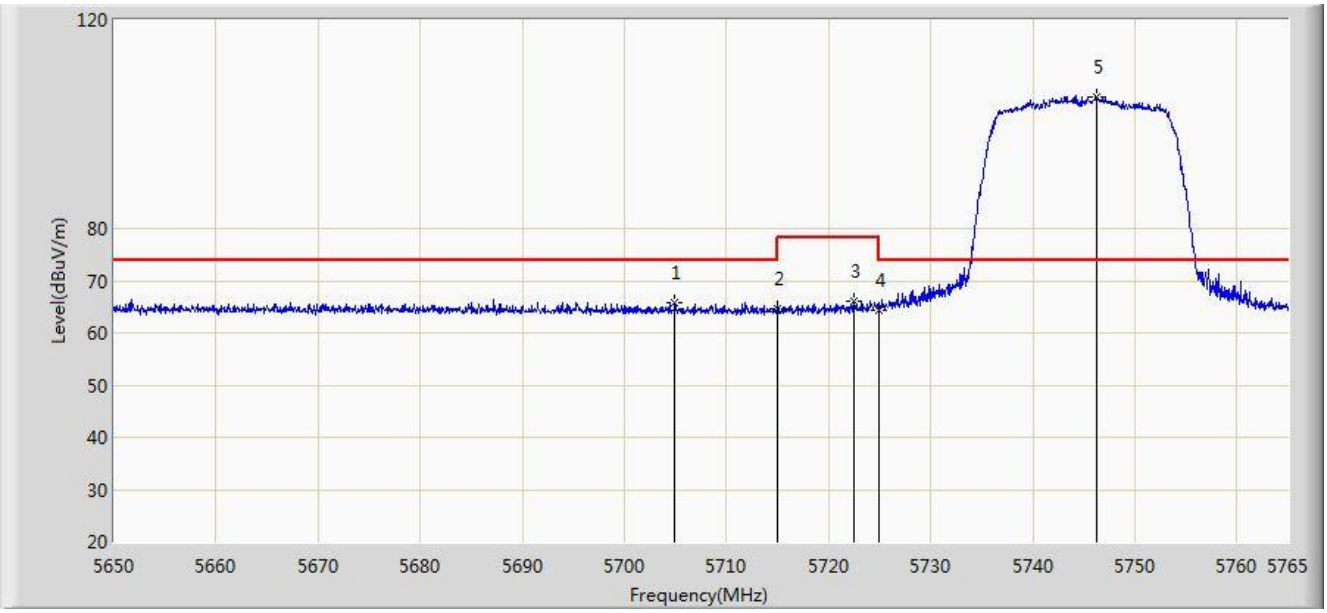


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.291	13.342	-2.709	54.000	37.949	AV
2		*	5743.092	73.572	35.509	N/A	N/A	38.063	AV

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

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

Site: AC1	Time: 2015/10/22 - 13:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

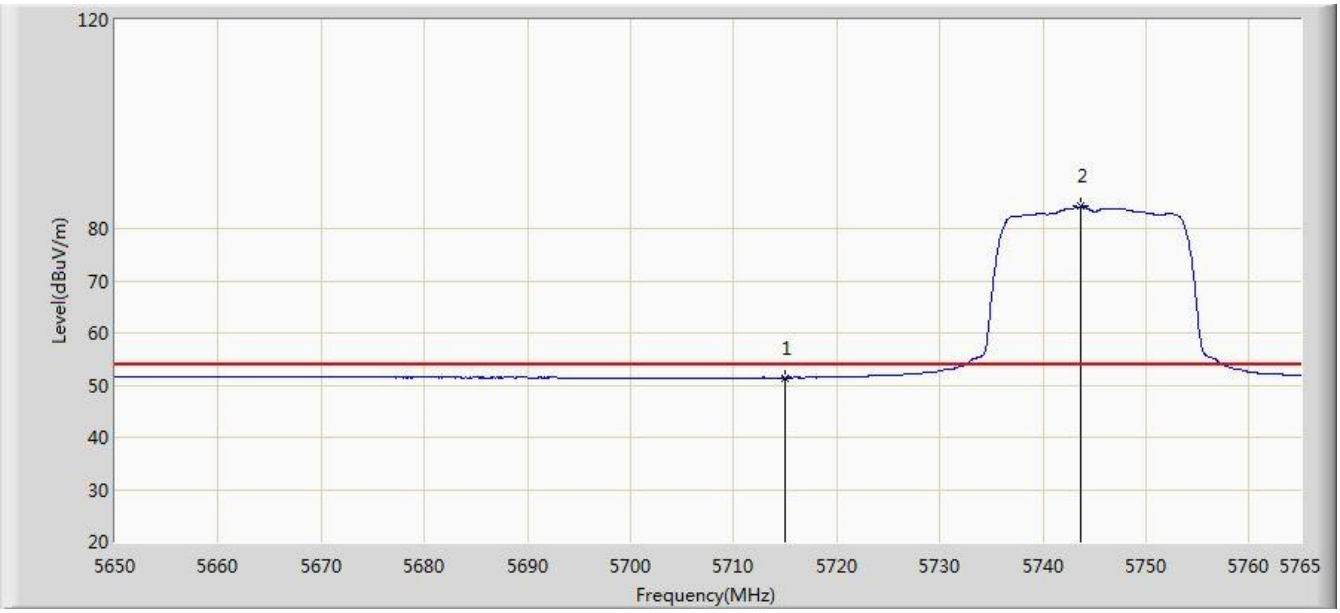


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5704.970	65.862	27.954	-8.138	74.000	37.908	PK
2			5715.000	64.632	26.683	-9.368	74.000	37.949	PK
3			5722.450	66.155	28.176	-12.045	78.200	37.979	PK
4			5725.000	64.478	26.488	-13.722	78.200	37.990	PK
5		*	5746.312	105.287	67.209	N/A	N/A	38.078	PK

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

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

Site: AC1	Time: 2015/10/22 - 13:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5745MHz Ant 0+1	

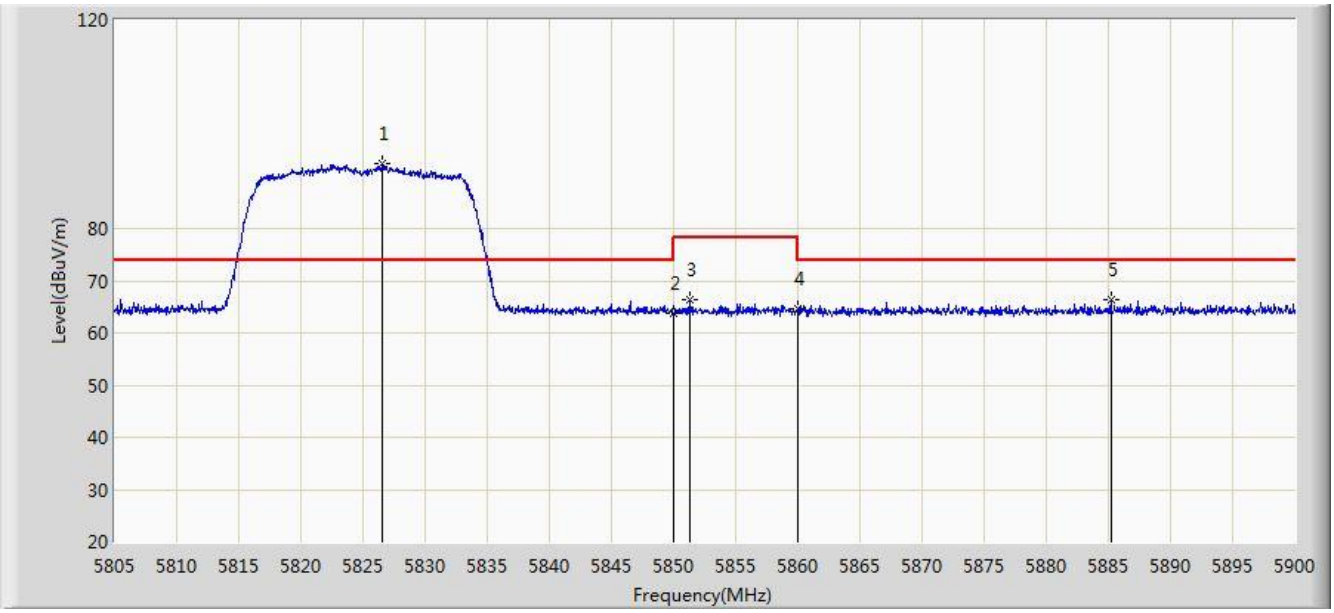


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.412	13.463	-2.588	54.000	37.949	AV
2		*	5743.667	84.212	46.147	N/A	N/A	38.065	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

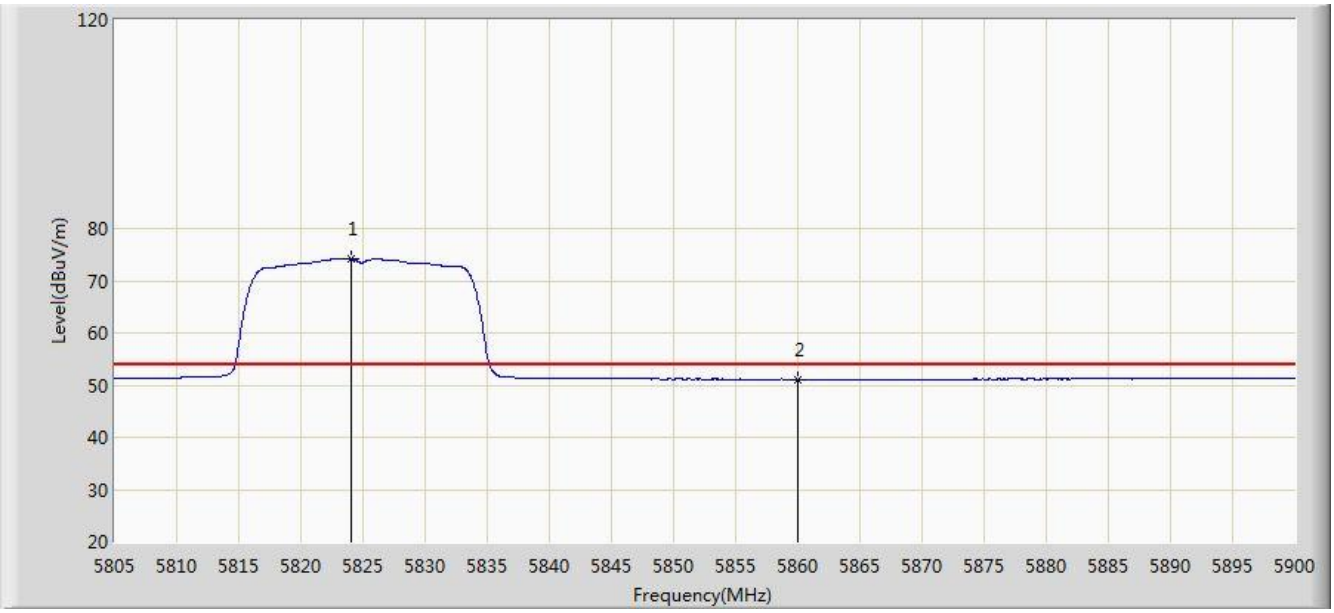


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.518	92.322	53.960	N/A	N/A	38.362	PK
2			5850.000	63.696	25.243	-14.504	78.200	38.454	PK
3			5851.265	66.417	27.961	-11.783	78.200	38.456	PK
4			5860.000	64.493	26.015	-9.507	74.000	38.478	PK
5			5885.180	66.435	27.929	-7.565	74.000	38.505	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

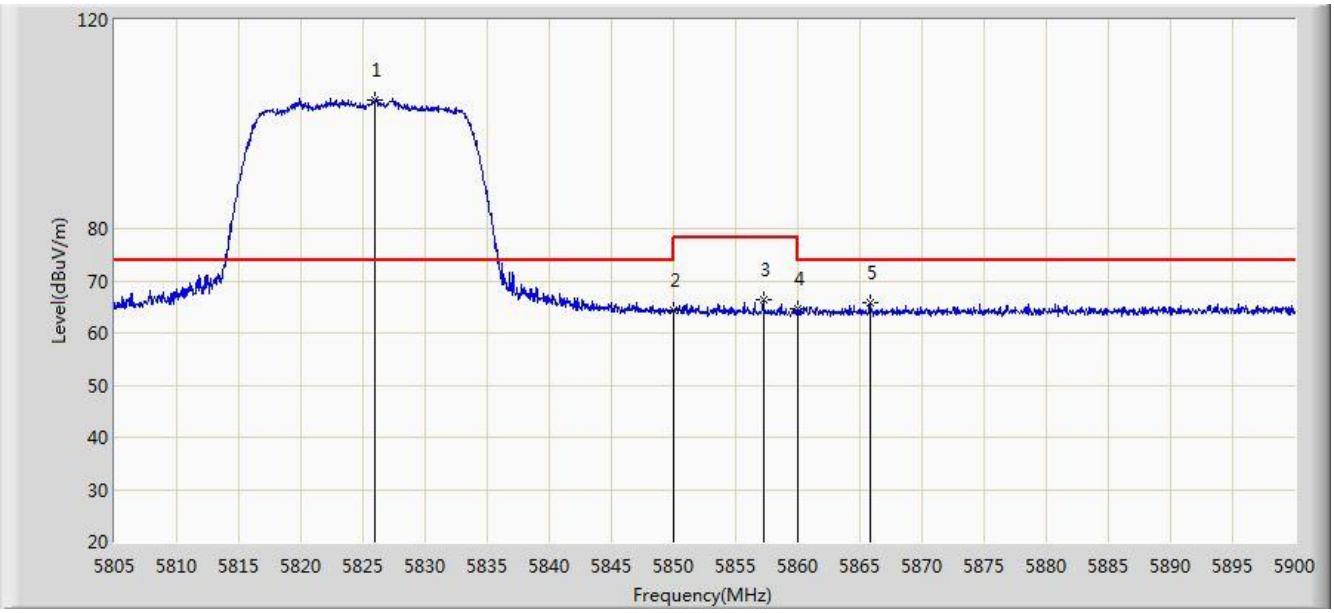


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5824.000	74.252	35.901	N/A	N/A	38.352	AV
2			5860.000	51.123	12.645	-2.877	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

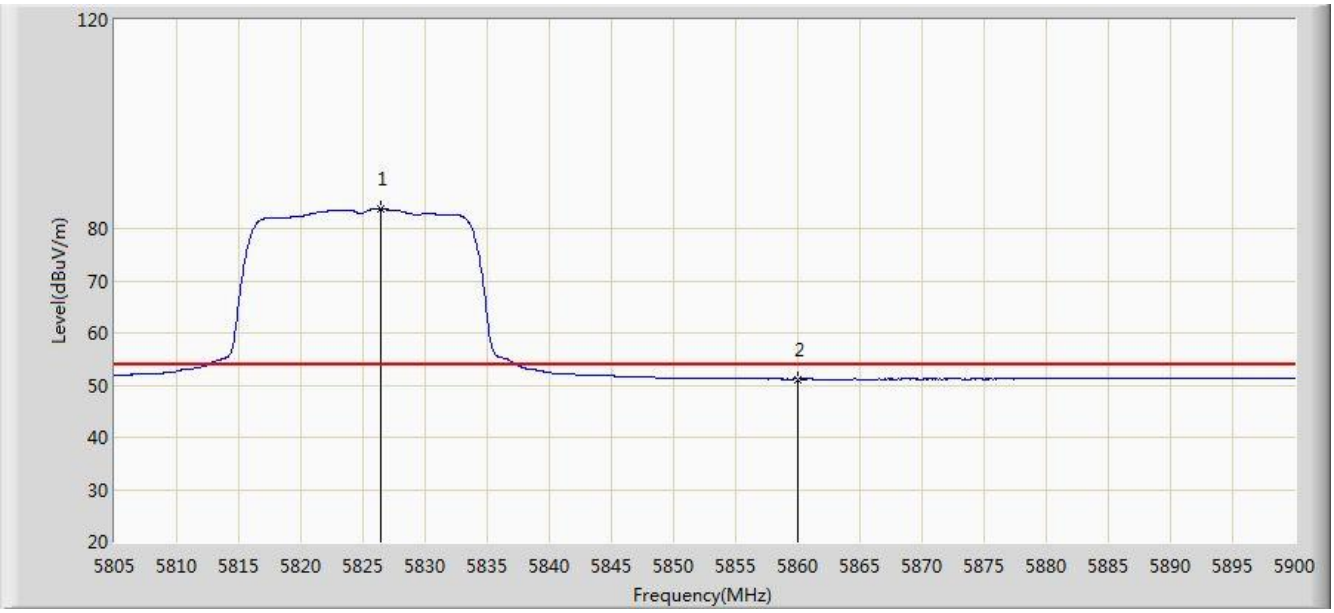


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5825.900	104.764	66.405	N/A	N/A	38.359	PK
2			5850.000	64.218	25.765	-13.982	78.200	38.454	PK
3			5857.203	66.414	27.943	-11.786	78.200	38.471	PK
4			5860.000	64.662	26.184	-9.338	74.000	38.478	PK
5			5865.800	65.692	27.205	-8.308	74.000	38.487	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT20 at Channel 5825MHz Ant 0+1	

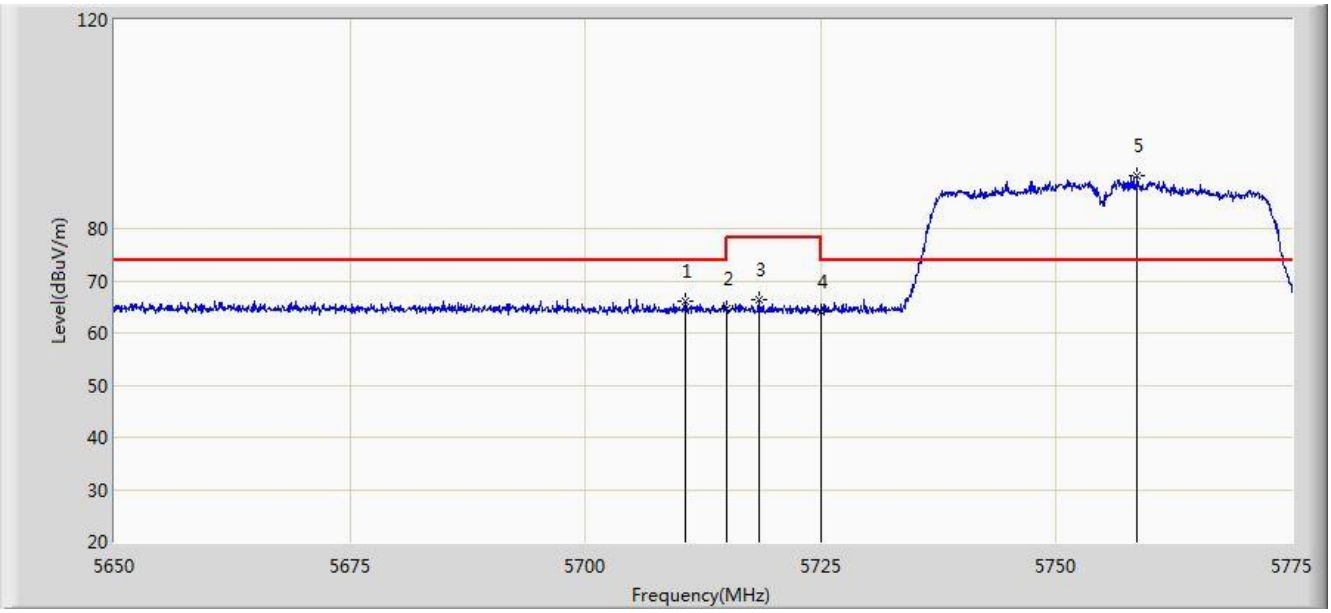


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5826.375	83.855	45.494	N/A	N/A	38.362	AV
2			5860.000	51.146	12.668	-2.854	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

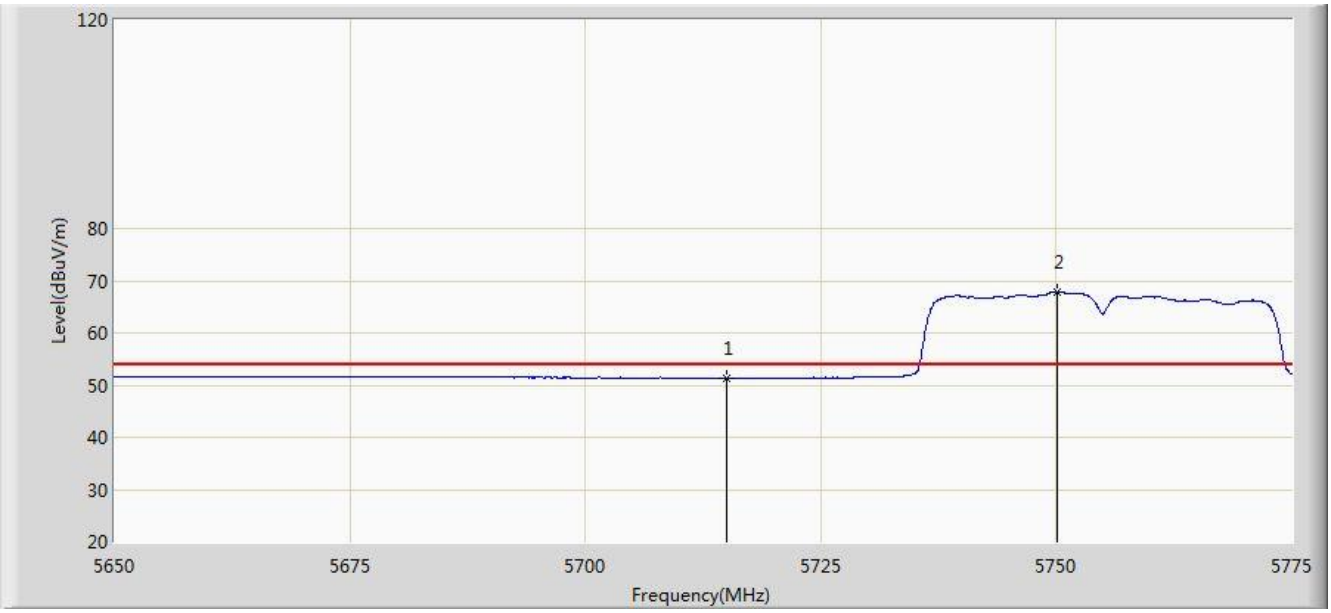


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5710.687	66.178	28.246	-7.822	74.000	37.931	PK
2			5715.000	64.684	26.735	-9.316	74.000	37.949	PK
3			5718.375	66.316	28.353	-11.884	78.200	37.963	PK
4			5725.000	64.172	26.182	-14.028	78.200	37.990	PK
5		*	5758.625	90.246	52.111	N/A	N/A	38.135	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

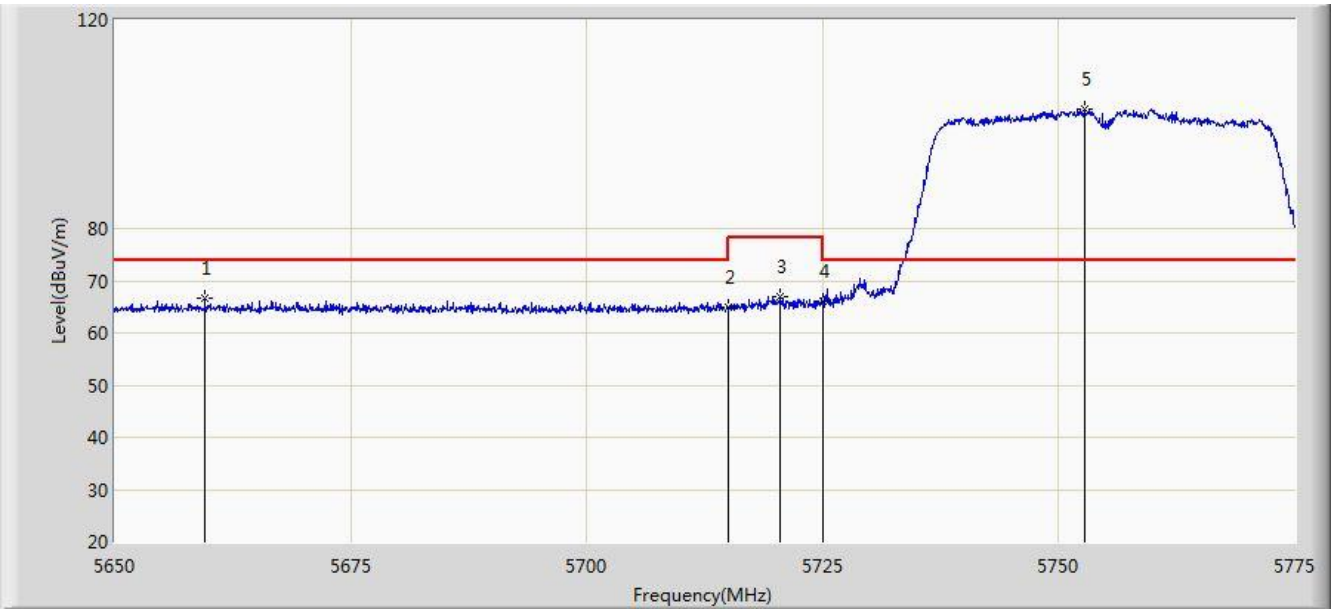


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.415	13.466	-2.585	54.000	37.949	AV
2		*	5750.062	67.786	29.690	N/A	N/A	38.097	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

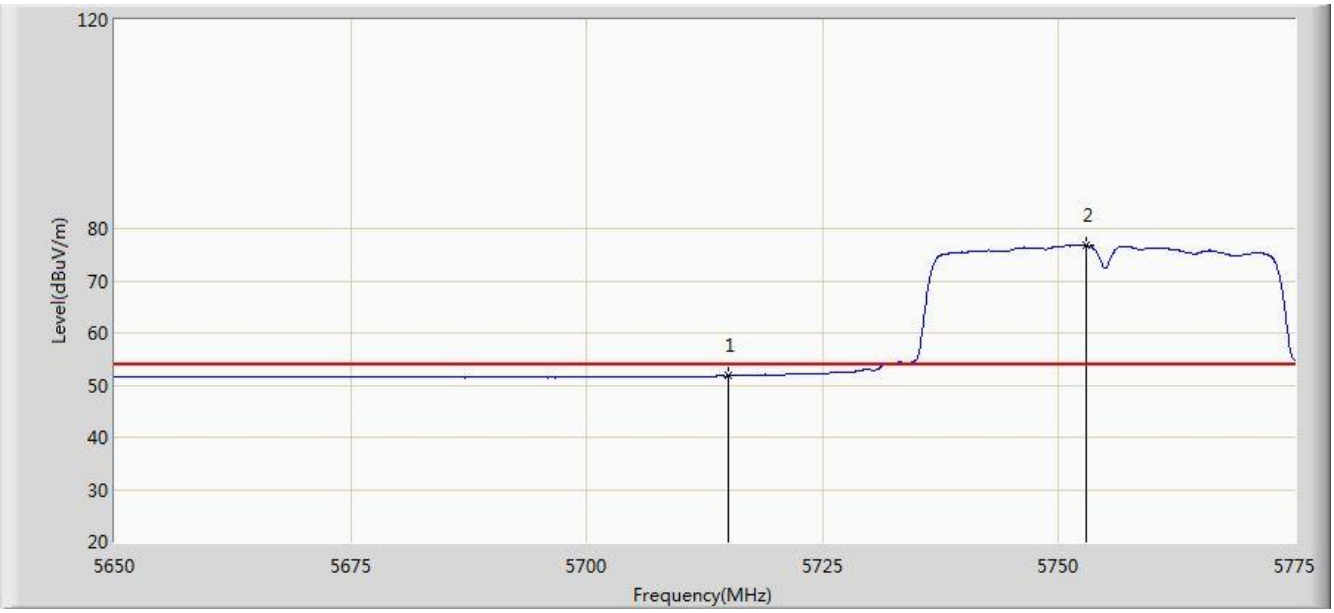


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5659.562	66.560	28.764	-7.440	74.000	37.796	PK
2			5715.000	65.069	27.120	-8.931	74.000	37.949	PK
3			5720.500	67.081	29.110	-11.119	78.200	37.972	PK
4			5725.000	66.079	28.089	-12.121	78.200	37.990	PK
5		*	5752.750	102.826	64.717	N/A	N/A	38.109	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5755MHz Ant 0+1	

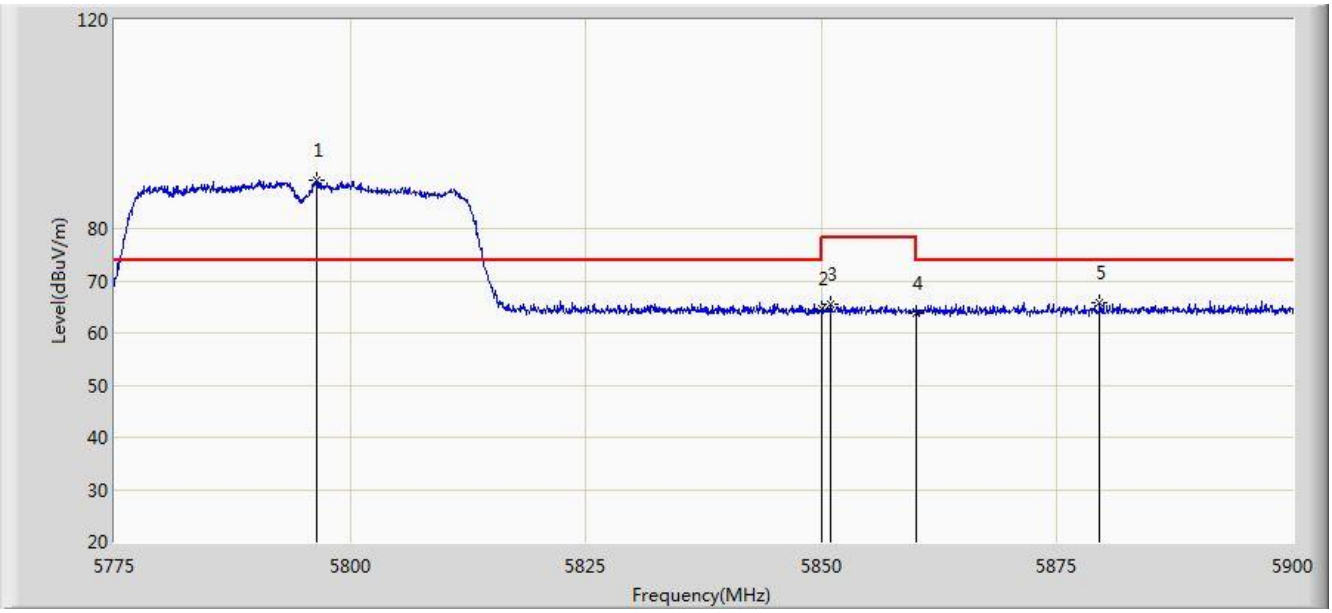


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.747	13.798	-2.253	54.000	37.949	AV
2		*	5752.937	76.706	38.596	N/A	N/A	38.109	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

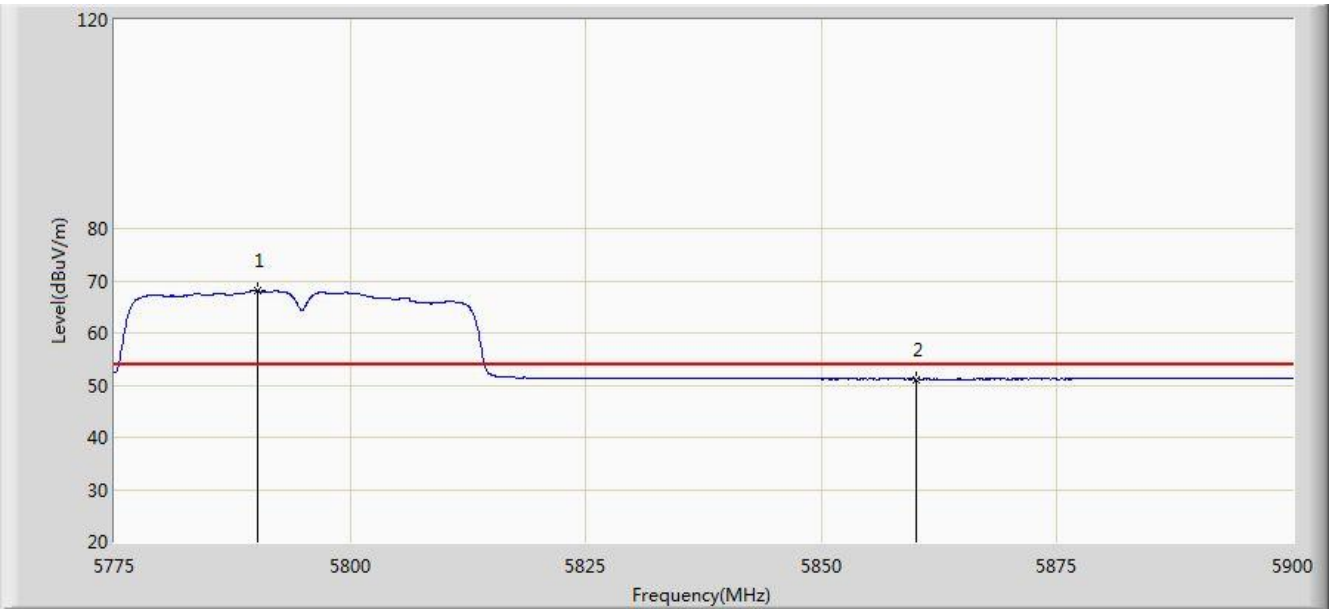


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.500	89.154	50.900	N/A	N/A	38.254	PK
2			5850.000	64.616	26.163	-13.584	78.200	38.454	PK
3			5851.000	65.364	26.908	-12.836	78.200	38.455	PK
4			5860.000	63.905	25.427	-10.095	74.000	38.478	PK
5			5879.500	65.941	27.440	-8.059	74.000	38.502	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

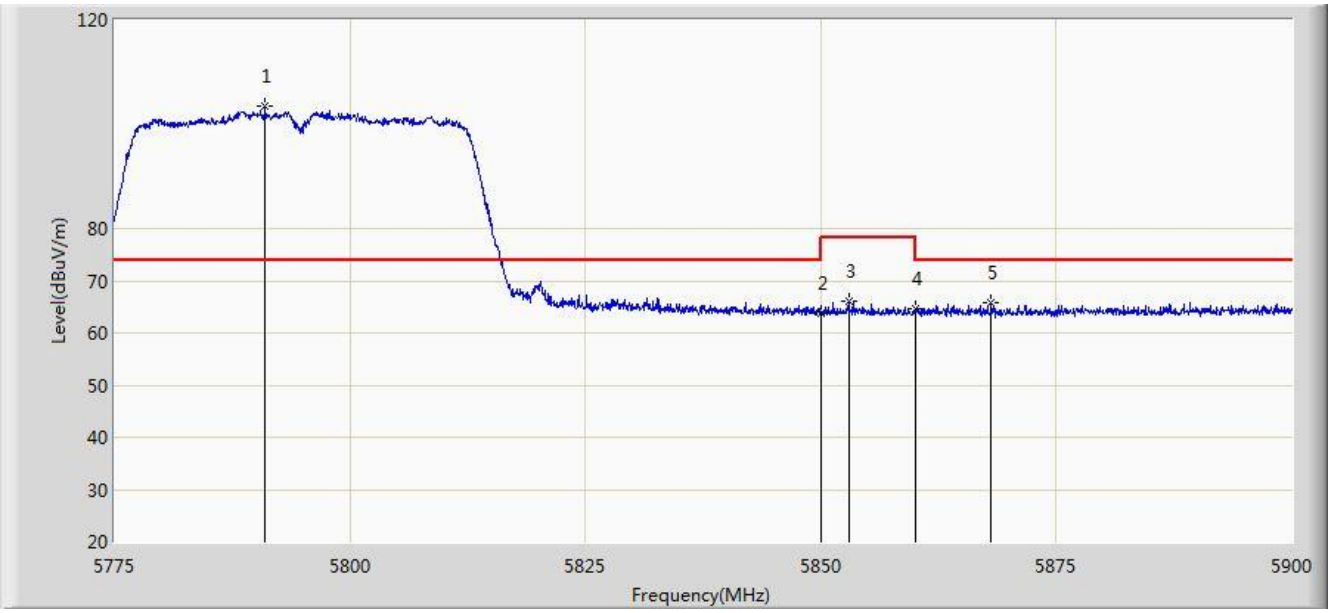


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.187	67.984	29.753	N/A	N/A	38.232	AV
2			5860.000	51.147	12.669	-2.853	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

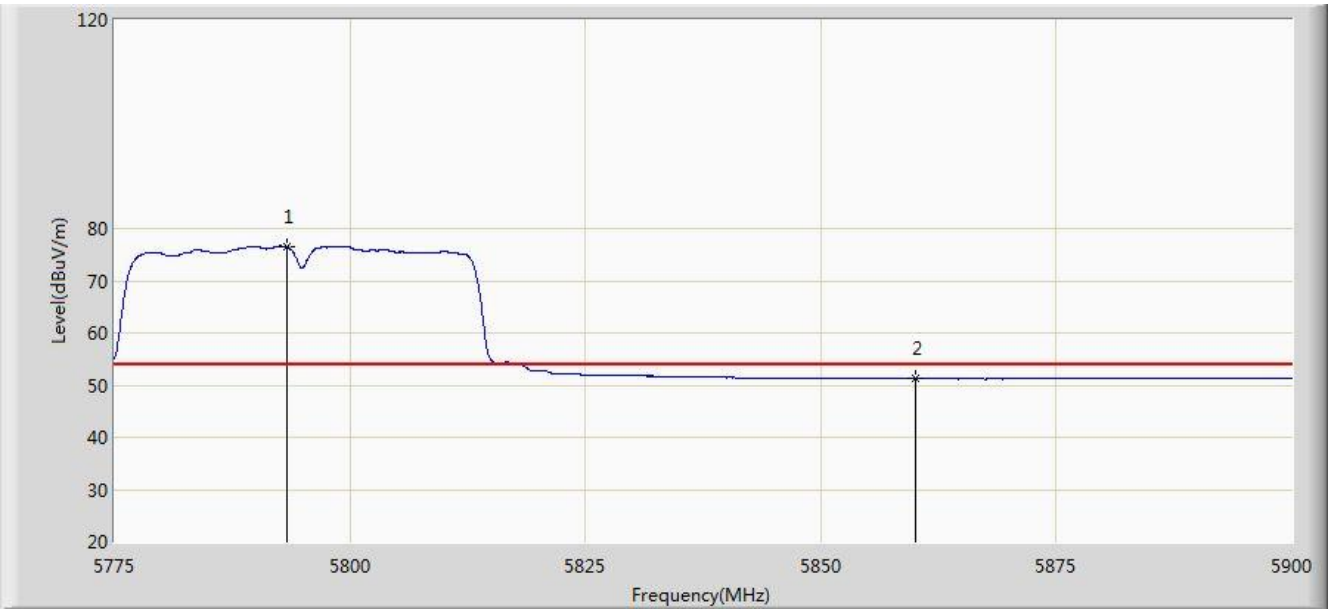


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5791.000	103.347	65.113	N/A	N/A	38.235	PK
2			5850.000	63.774	25.321	-14.426	78.200	38.454	PK
3			5852.937	66.142	27.682	-12.058	78.200	38.461	PK
4			5860.000	64.722	26.244	-9.278	74.000	38.478	PK
5			5868.062	65.793	27.304	-8.207	74.000	38.489	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11n-HT40 at Channel 5795MHz Ant 0+1	

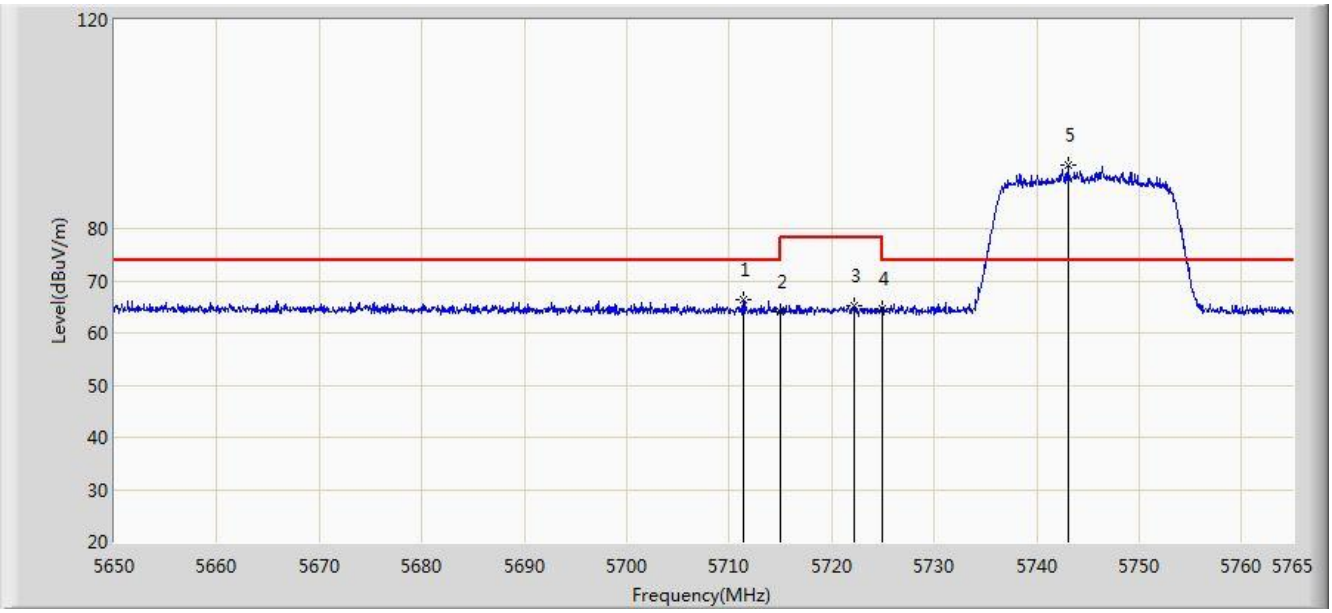


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5793.375	76.542	38.298	N/A	N/A	38.243	AV
2			5860.000	51.218	12.740	-2.782	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

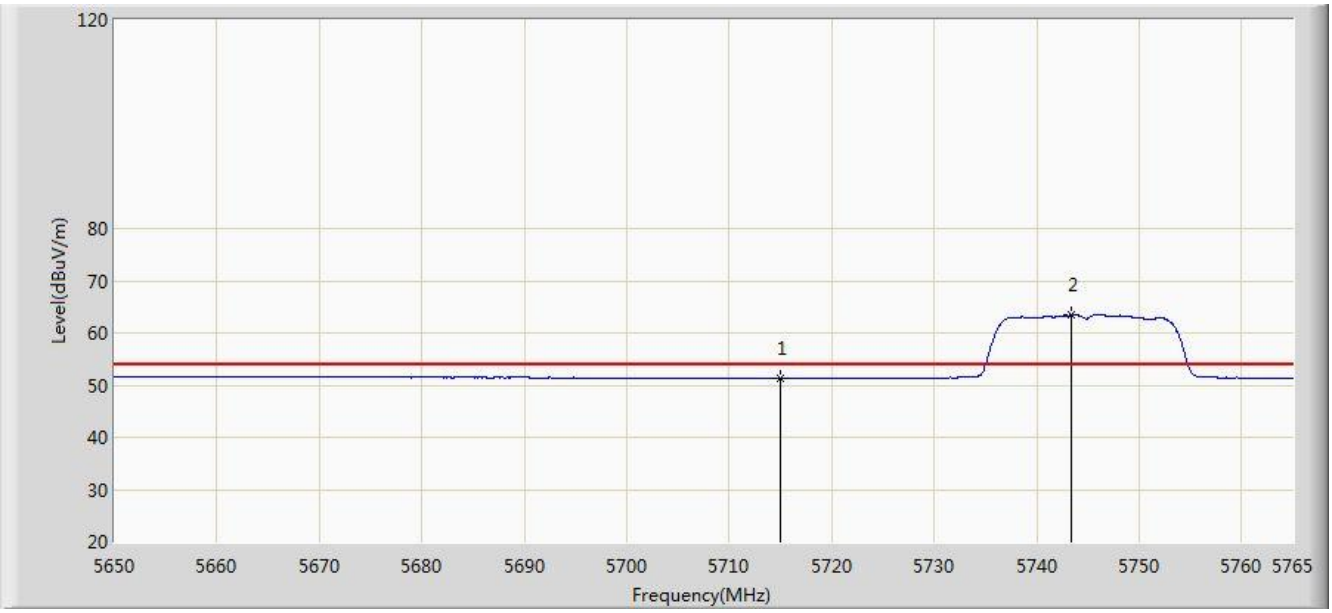


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5711.353	66.341	28.406	-7.659	74.000	37.935	PK
2			5715.000	64.189	26.240	-9.811	74.000	37.949	PK
3			5722.220	65.235	27.257	-12.965	78.200	37.978	PK
4			5725.000	64.750	26.760	-13.450	78.200	37.990	PK
5		*	5743.035	92.152	54.090	N/A	N/A	38.062	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

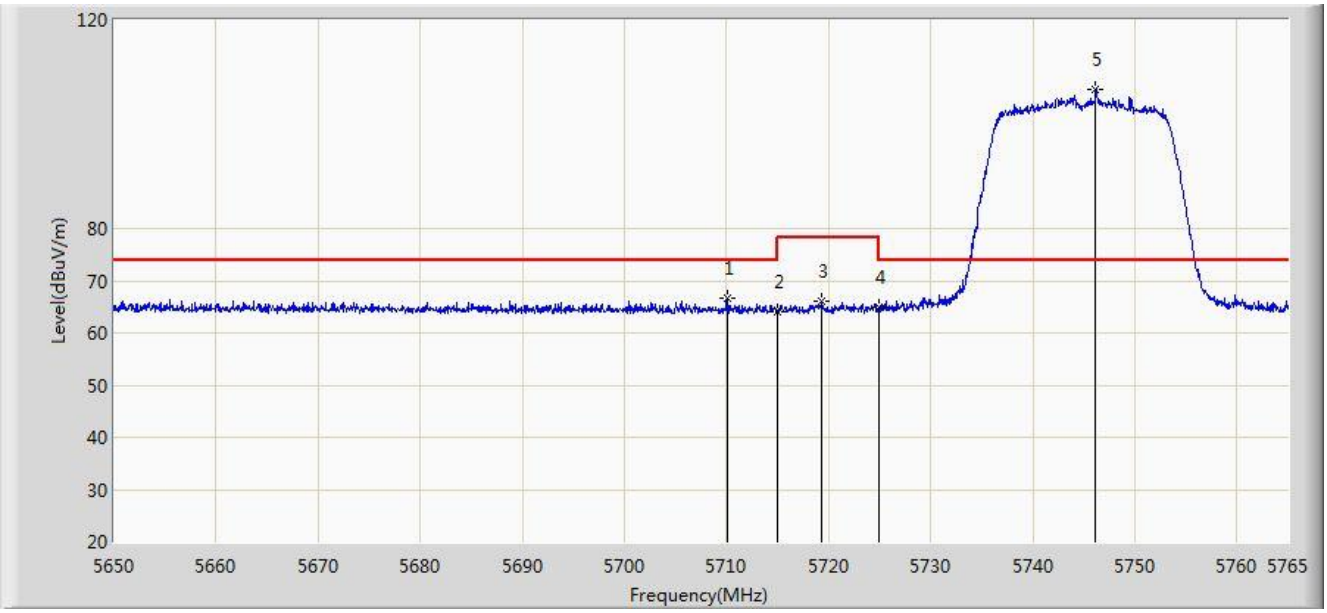


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.355	13.406	-2.645	54.000	37.949	AV
2		*	5743.322	63.425	25.361	N/A	N/A	38.063	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

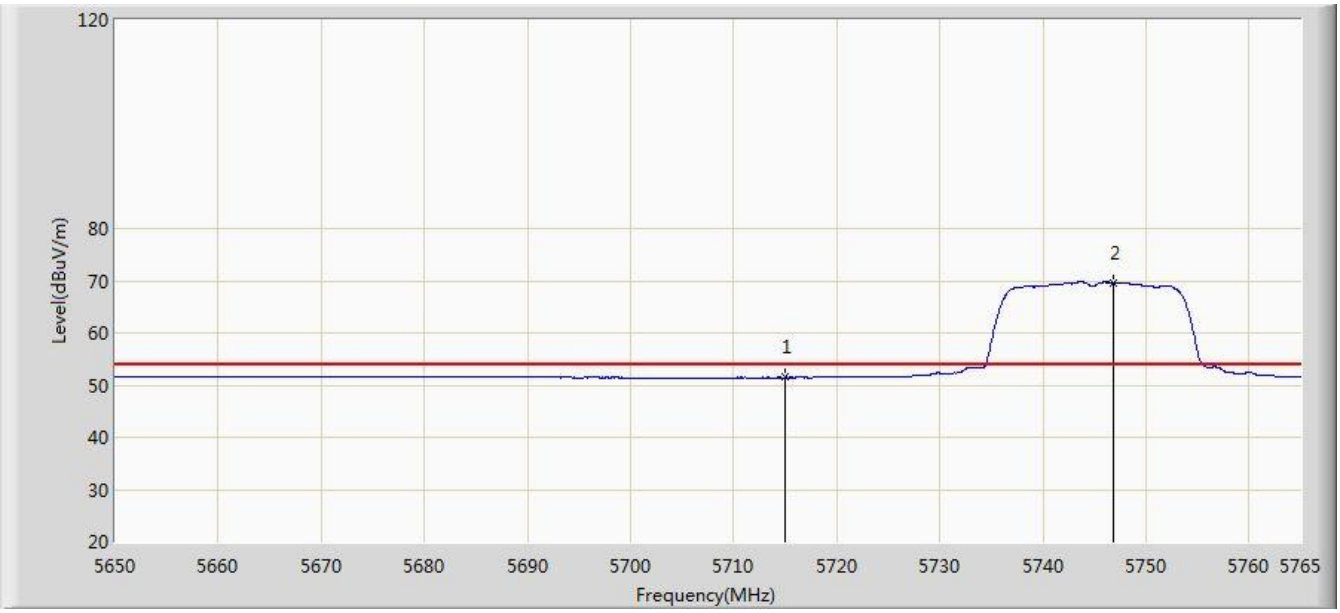


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5710.030	66.539	28.610	-7.461	74.000	37.929	PK
2			5715.000	64.151	26.202	-9.849	74.000	37.949	PK
3			5719.345	66.146	28.179	-12.054	78.200	37.966	PK
4			5725.000	64.865	26.875	-13.335	78.200	37.990	PK
5		*	5746.140	106.566	68.489	N/A	N/A	38.077	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5745MHz Ant 0+1	

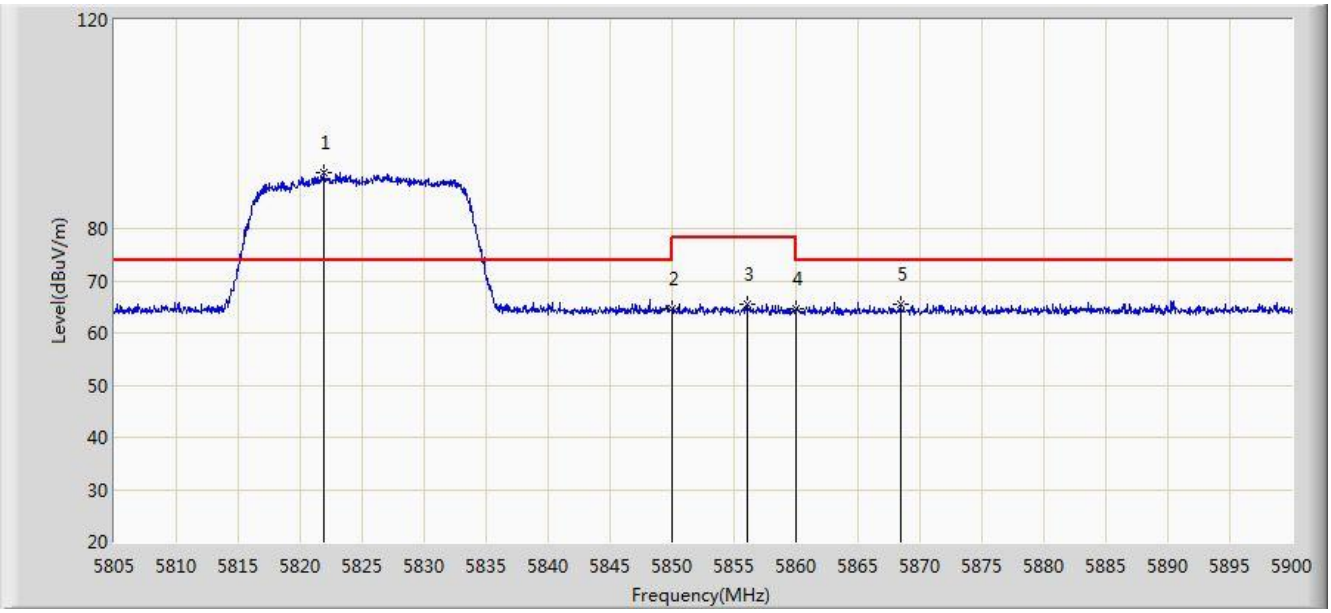


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.450	13.501	-2.550	54.000	37.949	AV
2		*	5746.888	69.541	31.460	N/A	N/A	38.081	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

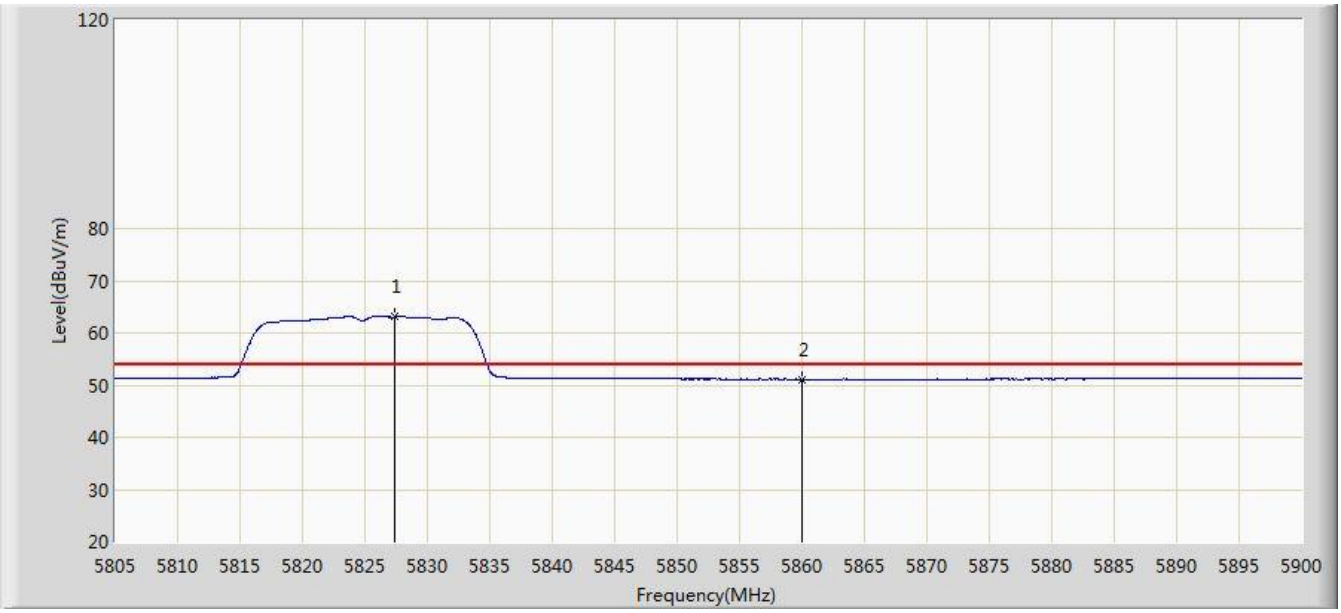


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5821.958	90.829	52.486	N/A	N/A	38.343	PK
2			5850.000	64.587	26.134	-13.613	78.200	38.454	PK
3			5856.110	65.581	27.113	-12.619	78.200	38.468	PK
4			5860.000	64.535	26.057	-9.465	74.000	38.478	PK
5			5868.460	65.553	27.063	-8.447	74.000	38.489	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

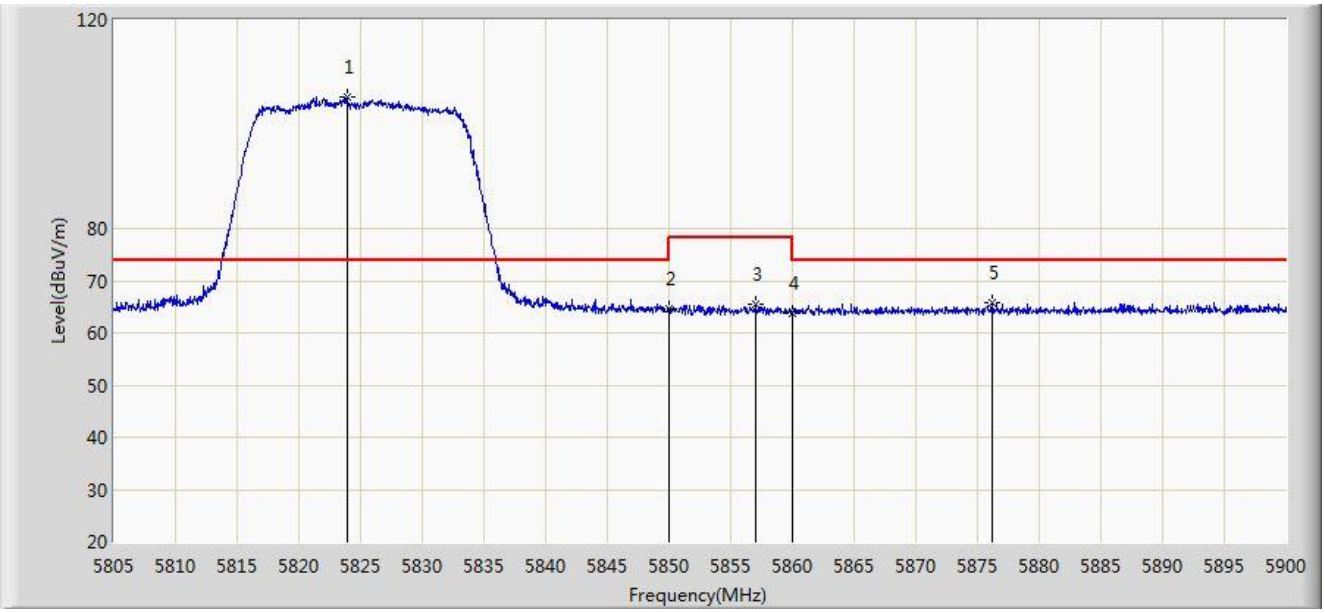


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5827.420	63.049	24.683	N/A	N/A	38.366	AV
2			5860.000	51.116	12.638	-2.884	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

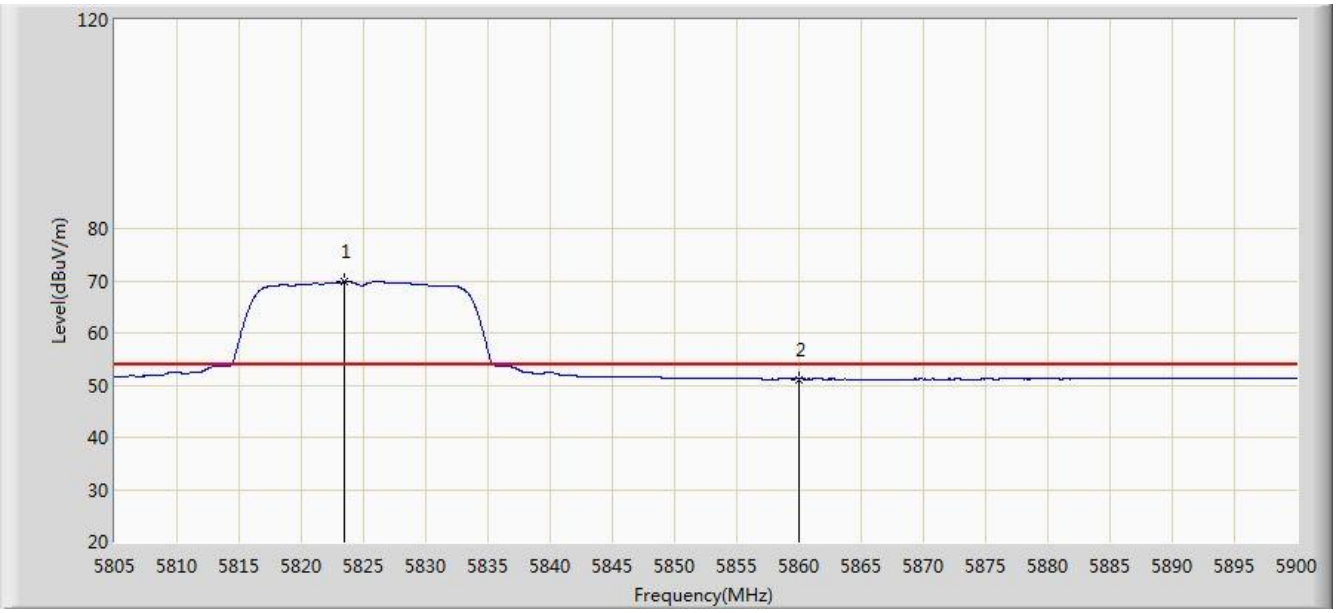


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.905	105.349	66.998	N/A	N/A	38.351	PK
2			5850.000	64.604	26.151	-13.596	78.200	38.454	PK
3			5857.060	65.402	26.931	-12.798	78.200	38.471	PK
4			5860.000	63.727	25.249	-10.273	74.000	38.478	PK
5			5876.155	65.892	27.394	-8.108	74.000	38.498	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT20 at Channel 5825MHz Ant 0+1	

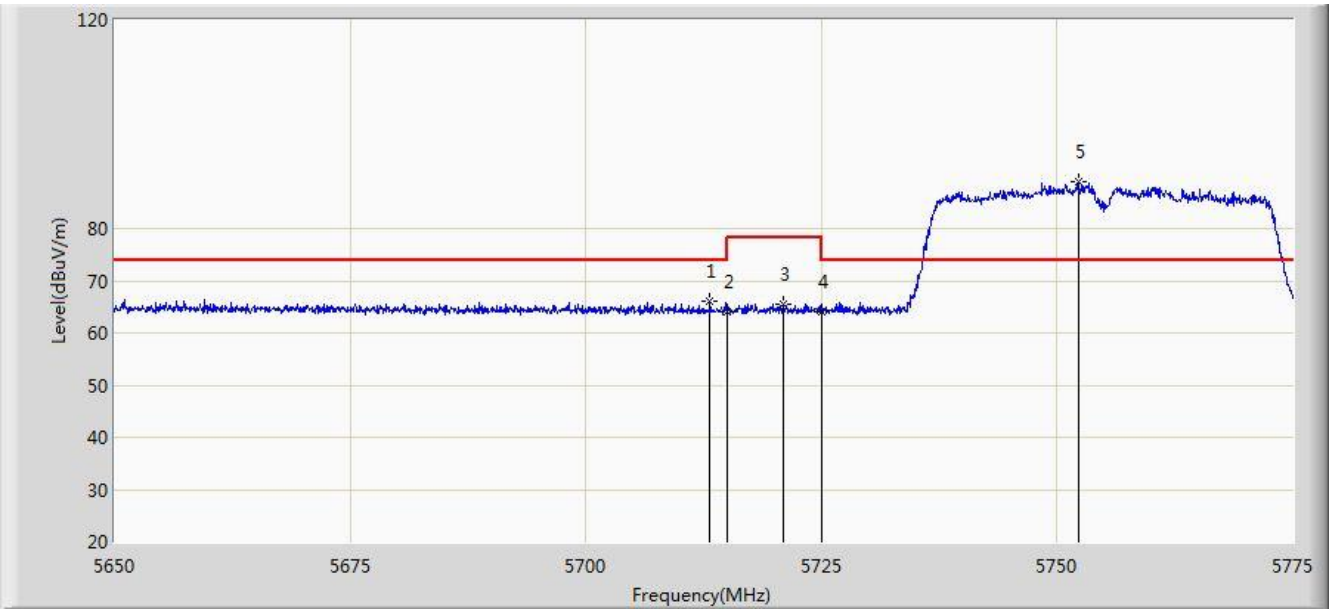


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5823.478	69.855	31.506	N/A	N/A	38.350	AV
2			5860.000	51.152	12.674	-2.848	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

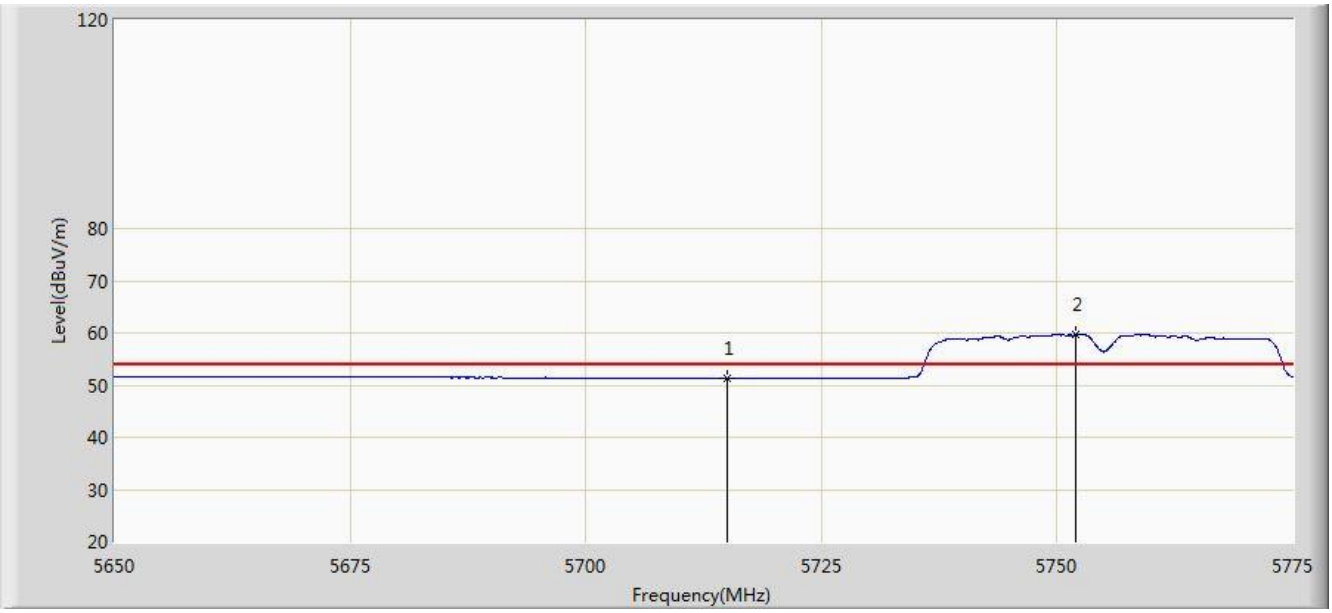


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5713.187	66.075	28.133	-7.925	74.000	37.942	PK
2			5715.000	64.190	26.241	-9.810	74.000	37.949	PK
3			5720.937	65.631	27.658	-12.569	78.200	37.973	PK
4			5725.000	64.188	26.198	-14.012	78.200	37.990	PK
5		*	5752.250	89.049	50.942	N/A	N/A	38.107	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

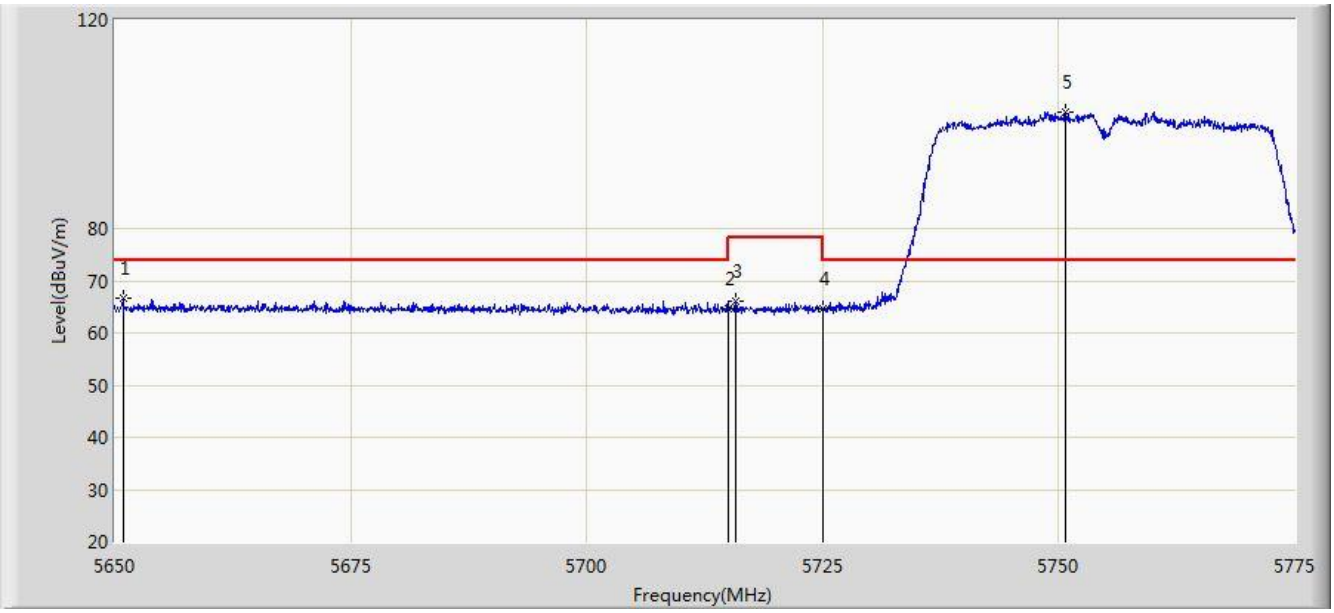


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.327	13.378	-2.673	54.000	37.949	AV
2		*	5752.000	59.677	21.572	N/A	N/A	38.105	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

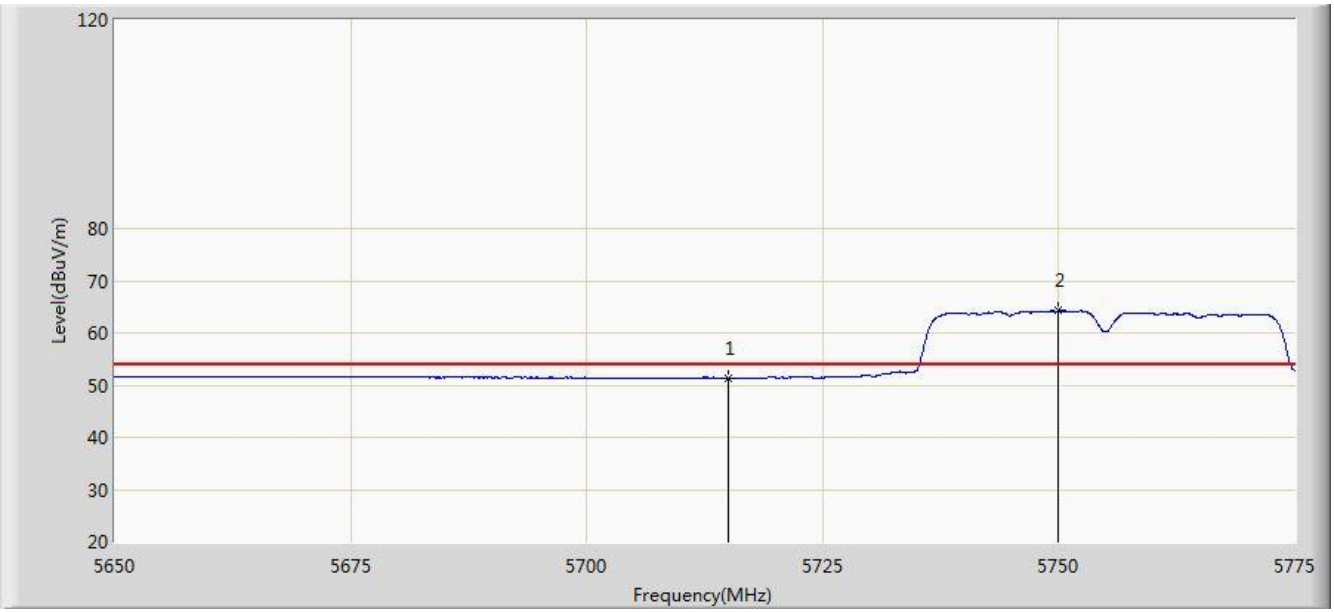


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.875	66.672	28.884	-7.328	74.000	37.788	PK
2			5715.000	64.580	26.631	-9.420	74.000	37.949	PK
3			5715.812	66.227	28.275	-11.973	78.200	37.953	PK
4			5725.000	64.571	26.581	-13.629	78.200	37.990	PK
5		*	5750.687	102.204	64.105	N/A	N/A	38.099	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

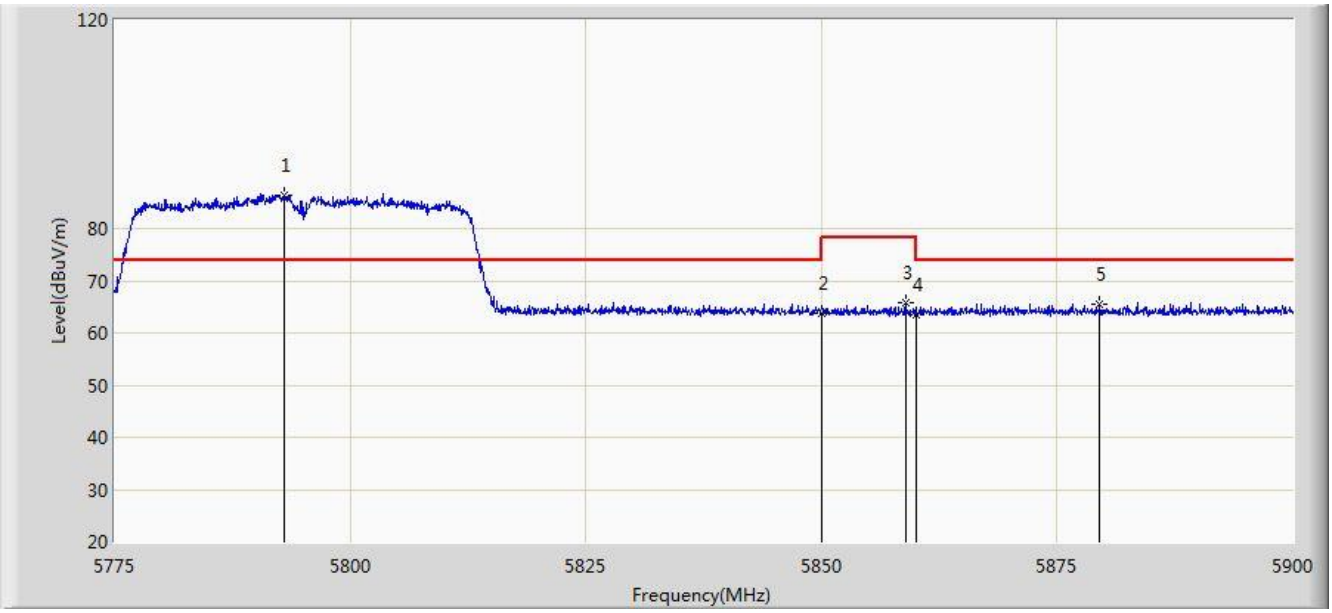


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.426	13.477	-2.574	54.000	37.949	AV
2		*	5749.875	64.206	26.111	N/A	N/A	38.095	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

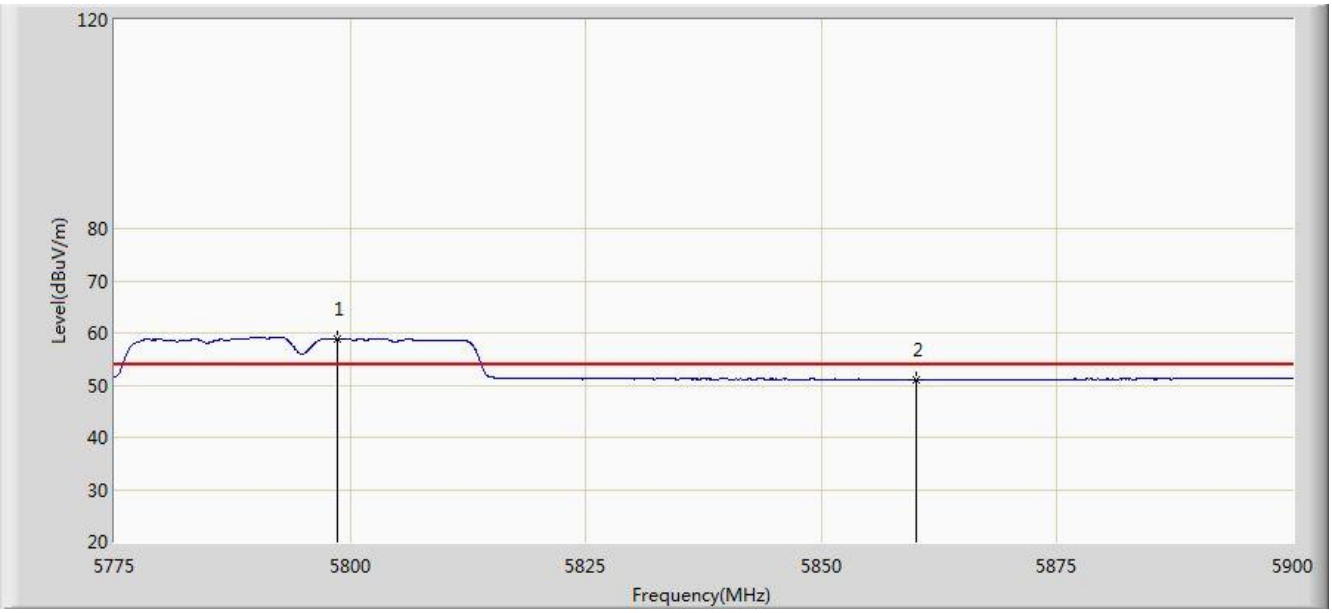


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5792.937	86.494	48.252	N/A	N/A	38.242	PK
2			5850.000	63.786	25.333	-14.414	78.200	38.454	PK
3			5858.937	65.656	27.181	-12.544	78.200	38.475	PK
4			5860.000	63.550	25.072	-10.450	74.000	38.478	PK
5			5879.500	65.626	27.125	-8.374	74.000	38.502	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

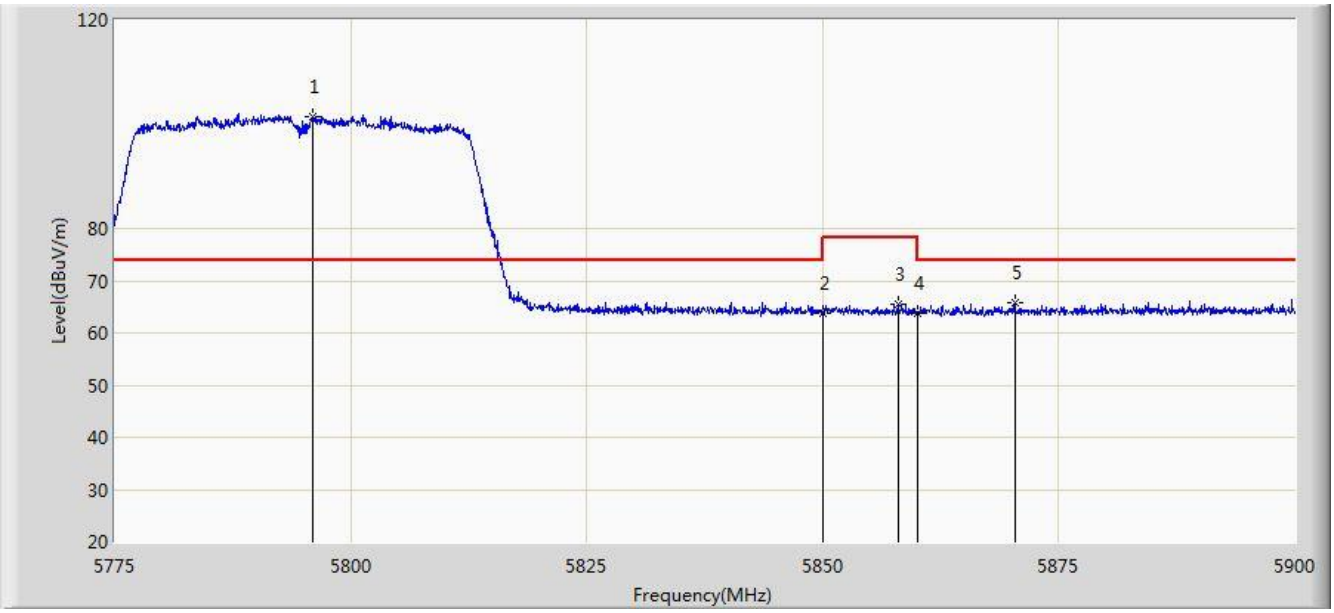


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5798.625	58.935	20.675	N/A	N/A	38.259	AV
2			5860.000	51.074	12.596	-2.926	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

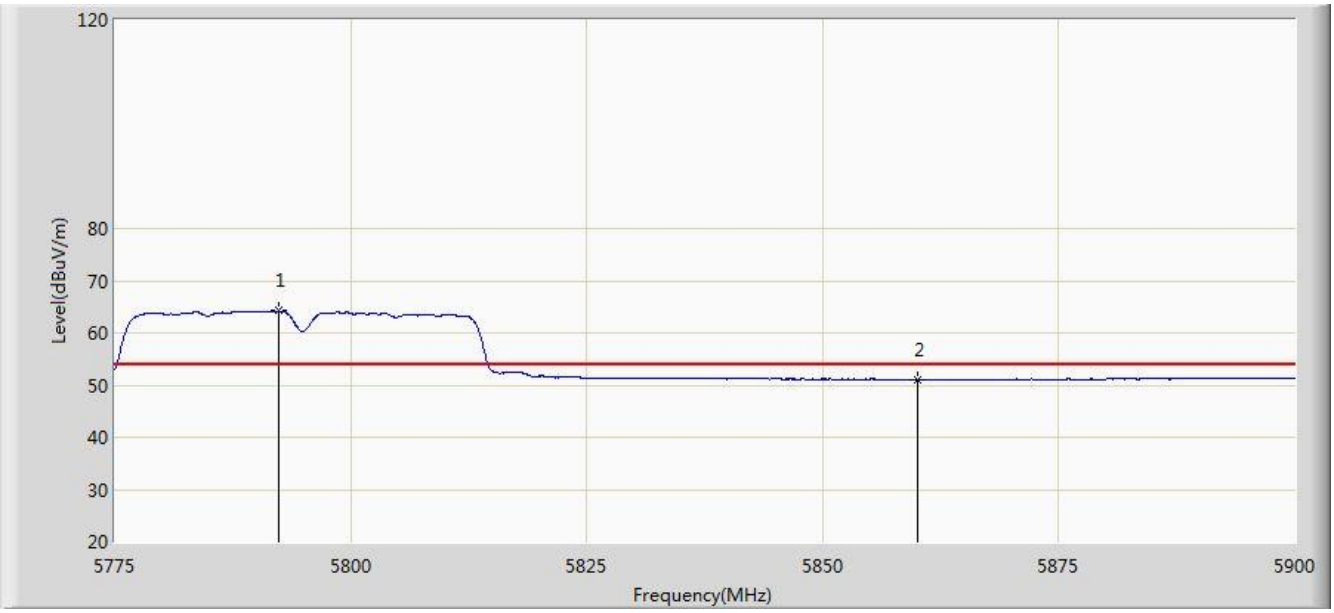


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5796.062	101.578	63.326	N/A	N/A	38.252	PK
2			5850.000	63.720	25.267	-14.480	78.200	38.454	PK
3			5858.062	65.617	27.144	-12.583	78.200	38.473	PK
4			5860.000	63.791	25.313	-10.209	74.000	38.478	PK
5			5870.375	65.798	27.306	-8.202	74.000	38.491	PK

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

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

Site: AC1	Time: 2015/10/22 - 14:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

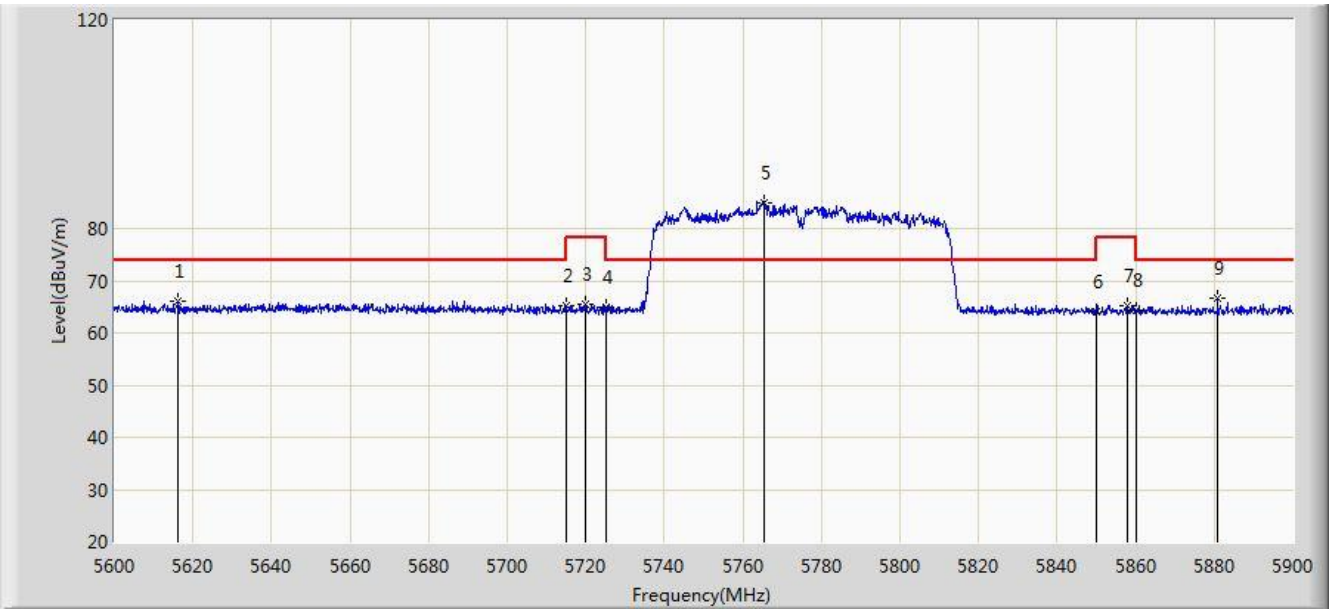


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5792.437	64.212	25.972	N/A	N/A	38.240	AV
2			5860.000	51.096	12.618	-2.904	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 15:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

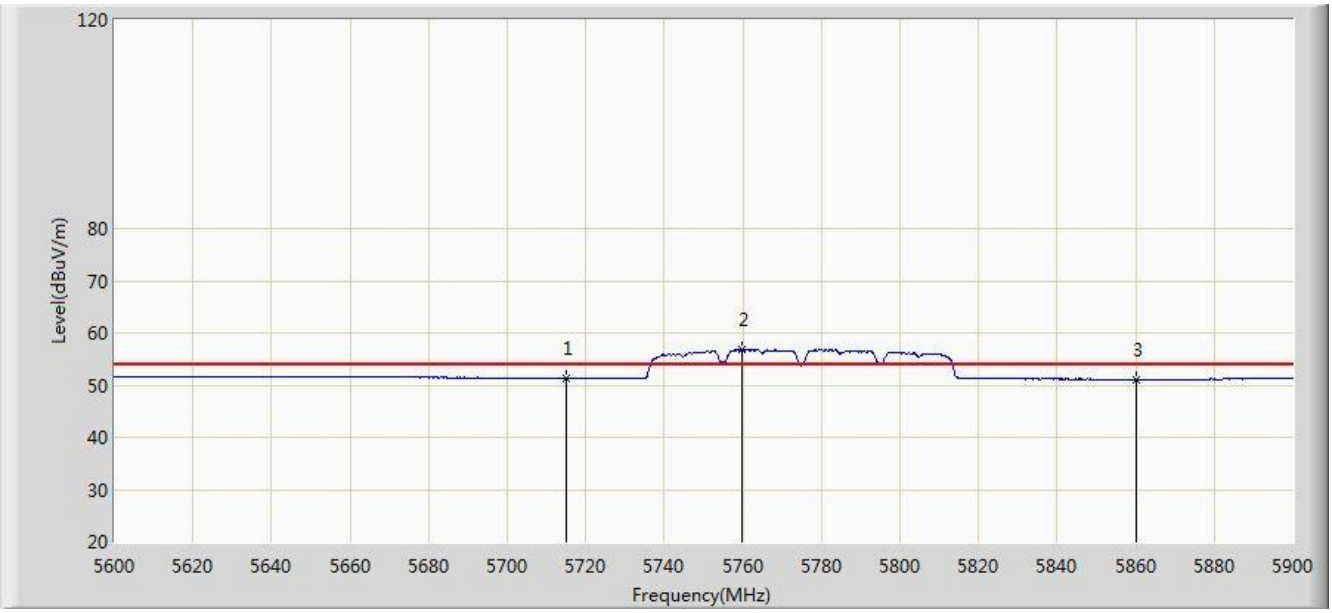


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5616.350	66.119	28.391	-7.881	74.000	37.728	PK
2			5715.000	65.085	27.136	-8.915	74.000	37.949	PK
3			5720.000	65.537	27.568	-12.663	78.200	37.970	PK
4			5725.000	64.948	26.958	-13.252	78.200	37.990	PK
5		*	5765.450	85.064	46.909	N/A	N/A	38.154	PK
6			5850.000	64.196	25.743	-14.004	78.200	38.454	PK
7			5857.850	65.231	26.759	-12.969	78.200	38.472	PK
8			5860.000	64.234	25.756	-9.766	74.000	38.478	PK
9			5880.800	66.696	28.194	-7.304	74.000	38.502	PK

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

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

Site: AC1	Time: 2015/10/22 - 15:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

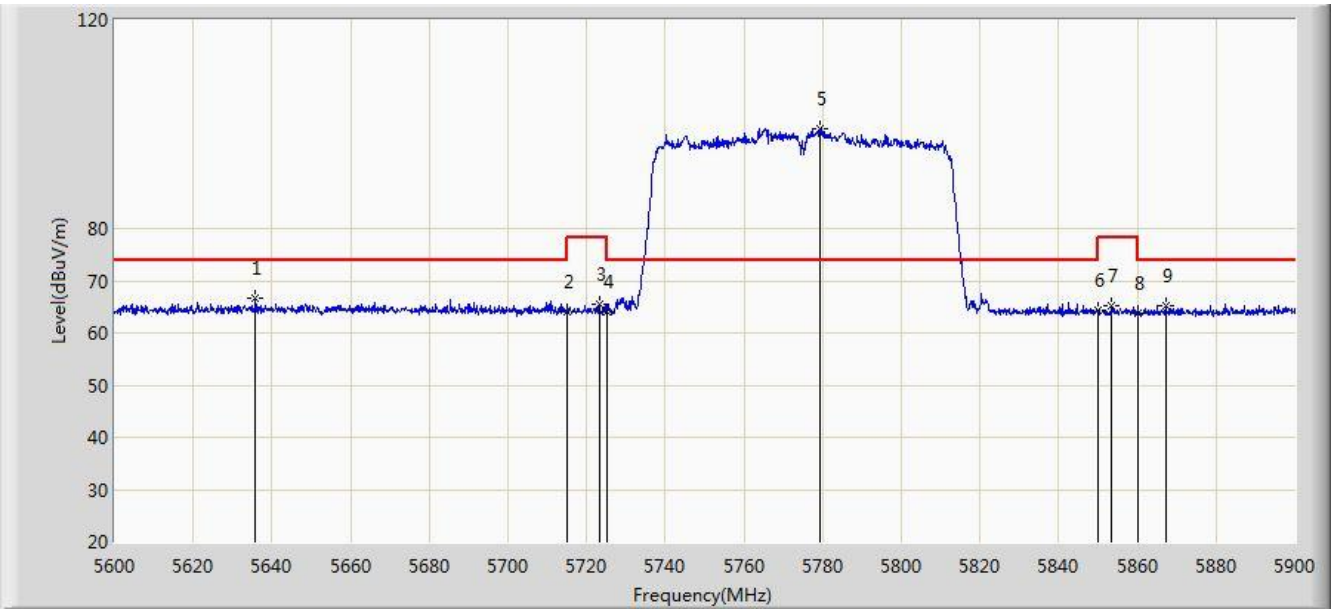


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.311	13.362	-2.689	54.000	37.949	AV
2		*	5759.750	56.835	18.695	N/A	N/A	38.140	AV
3			5860.000	51.086	12.608	-2.914	54.000	38.478	AV

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

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

Site: AC1	Time: 2015/10/22 - 15:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

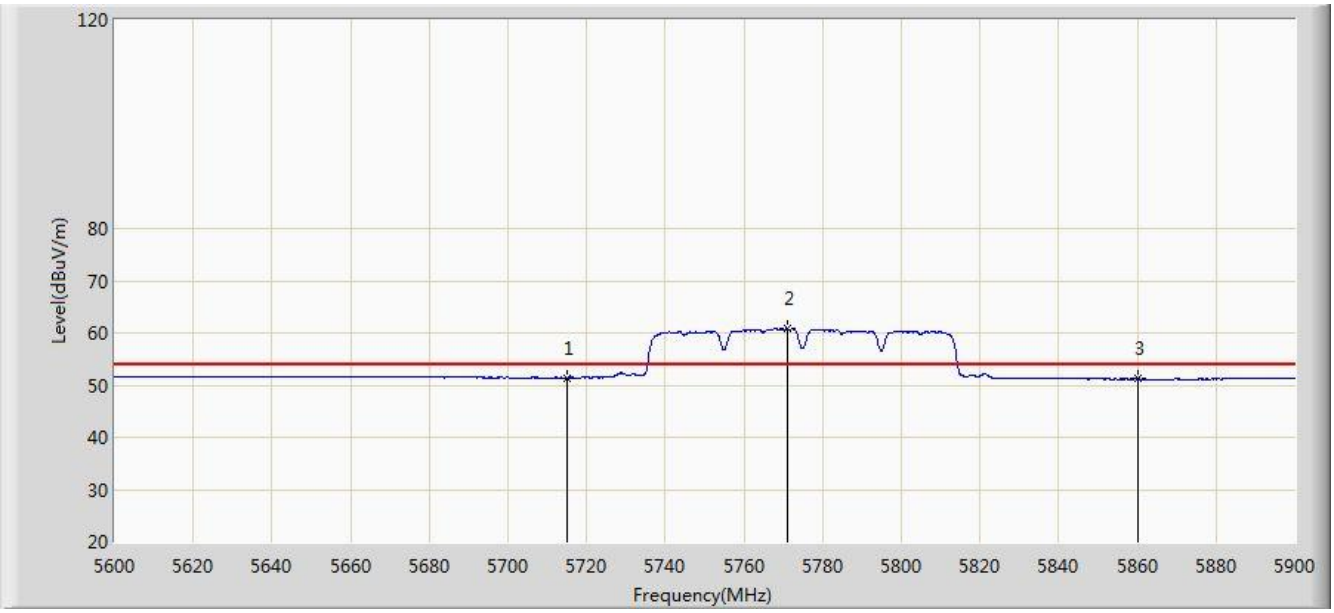


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5635.850	66.644	28.872	-7.356	74.000	37.772	PK
2			5715.000	64.082	26.133	-9.918	74.000	37.949	PK
3			5723.150	65.491	27.509	-12.709	78.200	37.982	PK
4			5725.000	64.150	26.160	-14.050	78.200	37.990	PK
5		*	5779.250	99.119	60.927	N/A	N/A	38.192	PK
6			5850.000	64.355	25.902	-13.845	78.200	38.454	PK
7			5853.350	65.361	26.900	-12.839	78.200	38.462	PK
8			5860.000	63.839	25.361	-10.161	74.000	38.478	PK
9			5867.150	65.198	26.710	-8.802	74.000	38.488	PK

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

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

Site: AC1	Time: 2015/10/22 - 15:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Peak Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: wifi adapter	Power: By PC
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5715.000	51.401	13.452	-2.599	54.000	37.949	AV
2		*	5771.000	60.743	22.575	N/A	N/A	38.169	AV
3			5860.000	51.176	12.698	-2.824	54.000	38.478	AV

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

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

7.9. AC Conducted Emissions Measurement

7.9.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dBμV)	AV (dBμV)
0.15 - 0.50	66 - 56	56 – 46
0.50 - 5.0	56	46
5.0 - 30	60	50

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

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

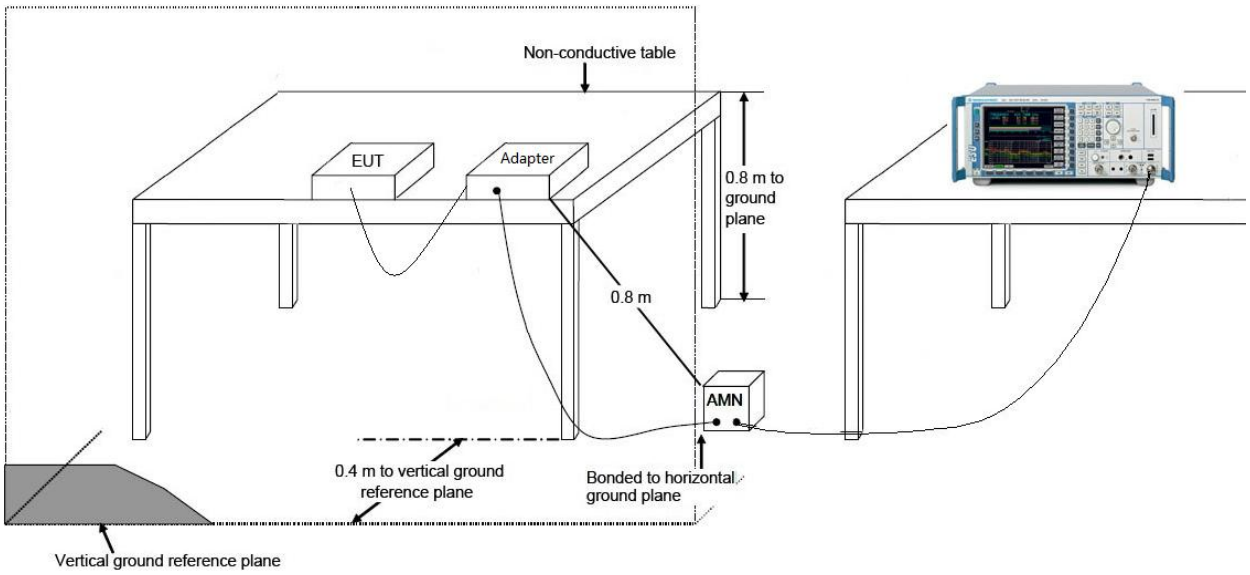
7.9.2. Test Procedure

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

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

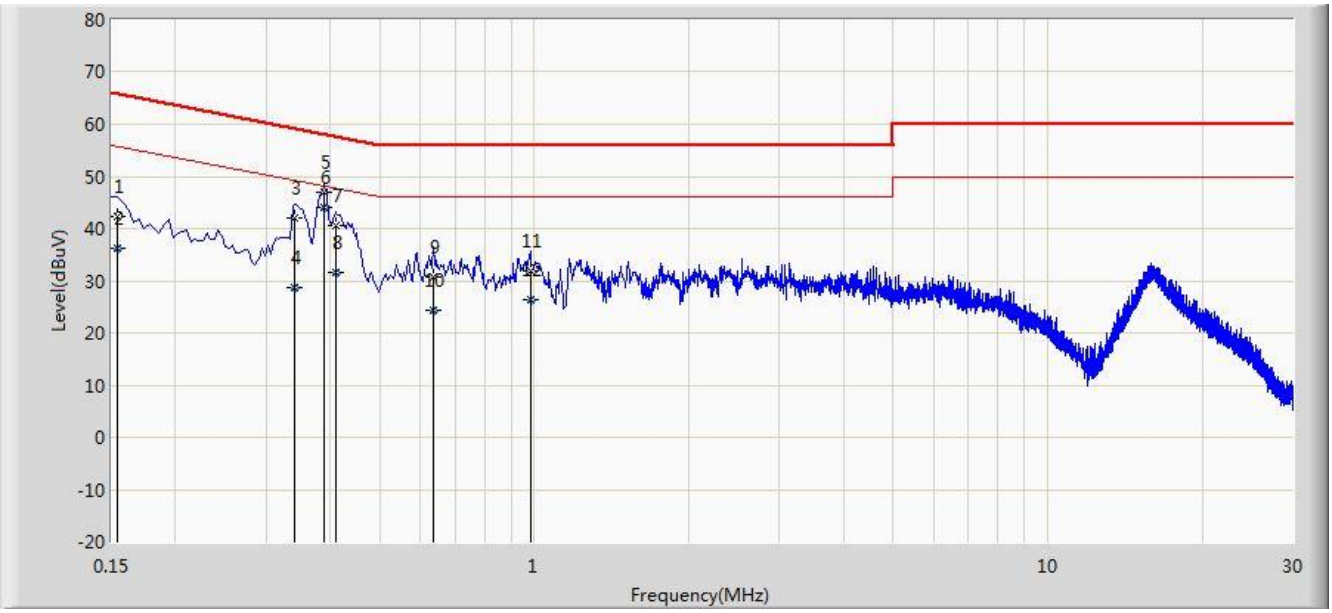
Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

7.9.3. Test Setup



7.9.4. Test Result

Site: SR2	Time: 2015/10/23 - 18:34
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Line
EUT: wifi adapter	Power: AC 120V/60Hz
Note: Mode 1	

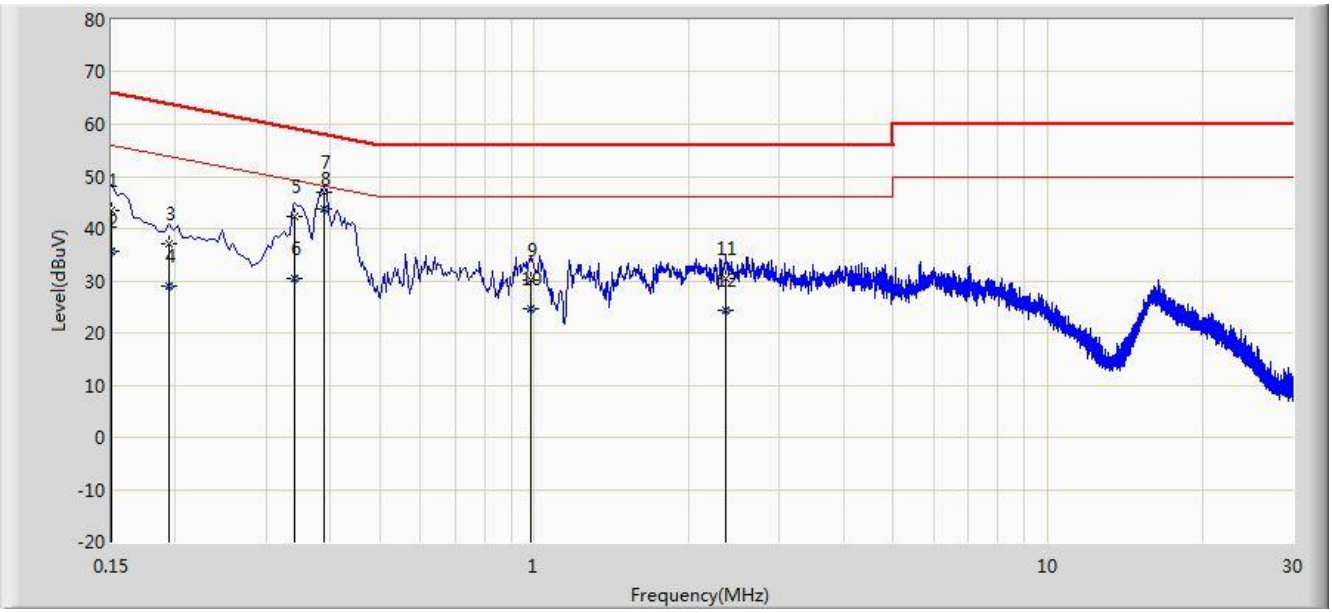


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	42.397	31.658	-23.384	65.781	10.740	QP
2			0.154	36.342	25.603	-19.439	55.781	10.740	AV
3			0.342	41.896	31.858	-17.258	59.155	10.038	QP
4			0.342	28.673	18.635	-20.482	49.155	10.038	AV
5			0.390	47.016	36.939	-11.047	58.064	10.077	QP
6		*	0.390	44.031	33.954	-4.032	48.064	10.077	AV
7			0.410	40.498	30.404	-17.151	57.648	10.093	QP
8			0.410	31.532	21.438	-16.116	47.648	10.093	AV
9			0.634	30.869	20.772	-25.131	56.000	10.097	QP
10			0.634	24.491	14.394	-21.509	46.000	10.097	AV
11			0.982	31.932	22.014	-24.068	56.000	9.917	QP
12			0.982	26.241	16.323	-19.759	46.000	9.917	AV

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

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

Site: SR2	Time: 2015/10/23 - 18:39
Limit: FCC_Part15.207_CE_AC Power	Engineer: Milo Li
Probe: ENV216_101683_Filter On	Polarity: Neutral
EUT: wifi adapter	Power: AC 120V/60Hz
Note: Mode 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.150	43.569	32.427	-22.431	66.000	11.142	QP
2			0.150	35.755	24.613	-20.245	56.000	11.142	AV
3			0.194	37.066	27.044	-26.798	63.864	10.021	QP
4			0.194	28.877	18.856	-24.986	53.864	10.021	AV
5			0.342	42.257	32.189	-16.897	59.155	10.069	QP
6			0.342	30.502	20.433	-18.653	49.155	10.069	AV
7			0.390	46.834	36.730	-11.229	58.064	10.105	QP
8		*	0.390	43.819	33.715	-4.244	48.064	10.105	AV
9			0.986	30.244	20.328	-25.756	56.000	9.917	QP
10			0.986	24.500	14.584	-21.500	46.000	9.917	AV
11			2.366	30.512	20.647	-25.488	56.000	9.865	QP
12			2.366	24.424	14.559	-21.576	46.000	9.865	AV

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

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

8. CONCLUSION

The data collected relate only the item(s) tested and show that the **wifi adapter FCC ID:**

2ADU2-H50317 is in compliance with Part 15E of the FCC Rules.

The End