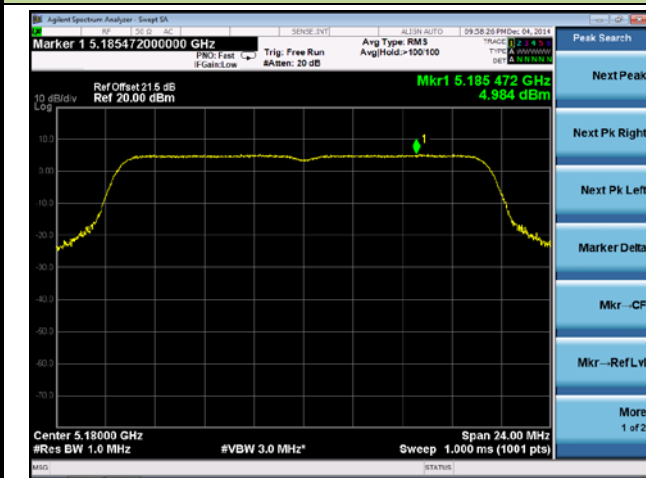
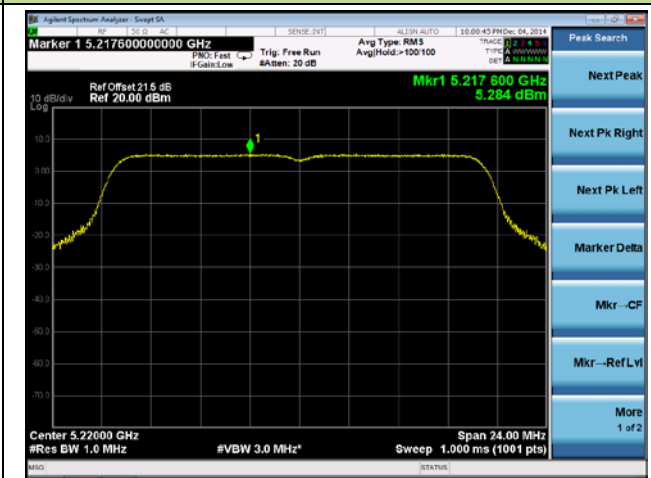


### 802.11ac-VHT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

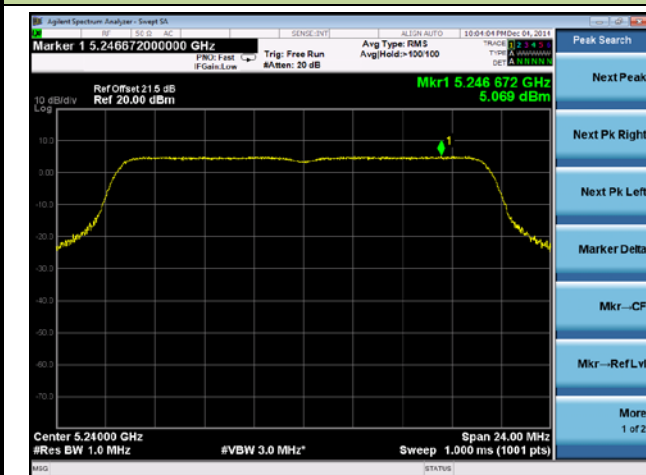
**Channel 36 (5180MHz)**



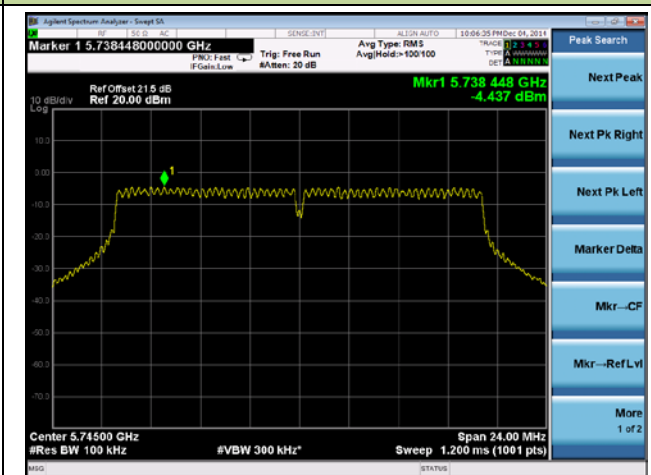
**Channel 44 (5220MHz)**



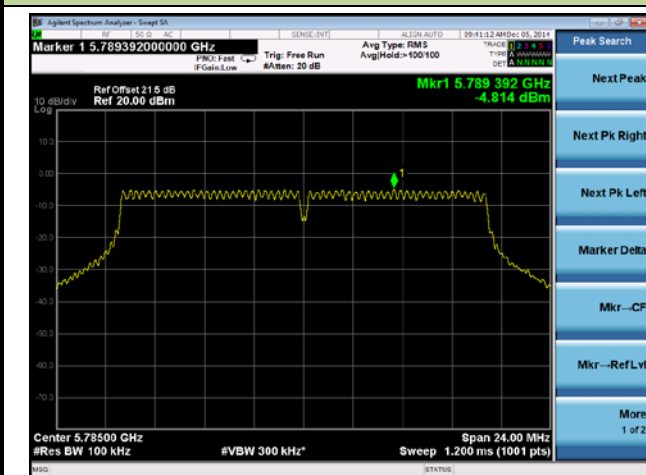
**Channel 48 (5240MHz)**



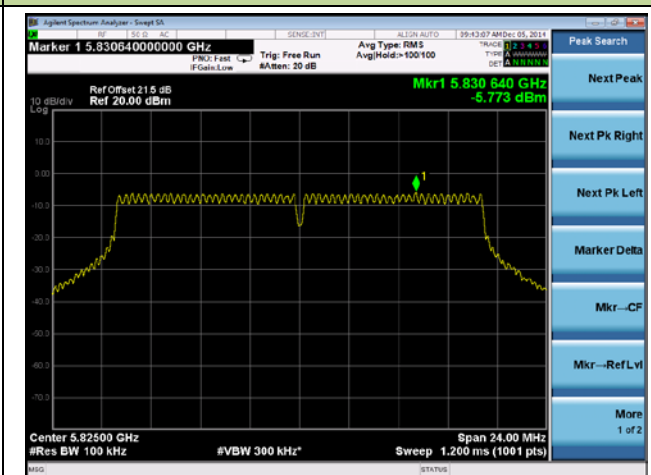
**Channel 149 (5745MHz)**



**Channel 157 (5785MHz)**



**Channel 165 (5825MHz)**

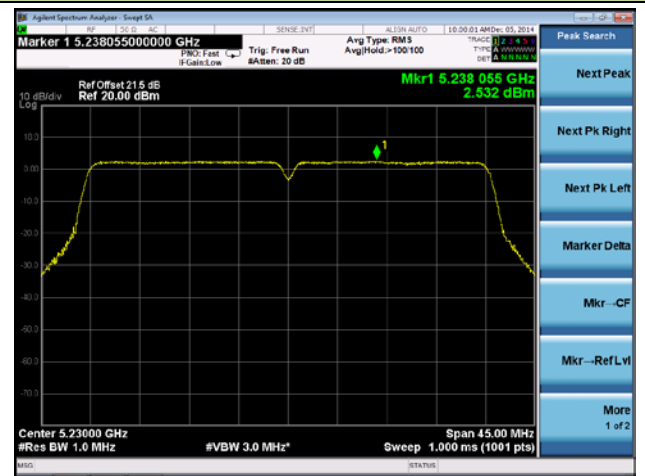


## 802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

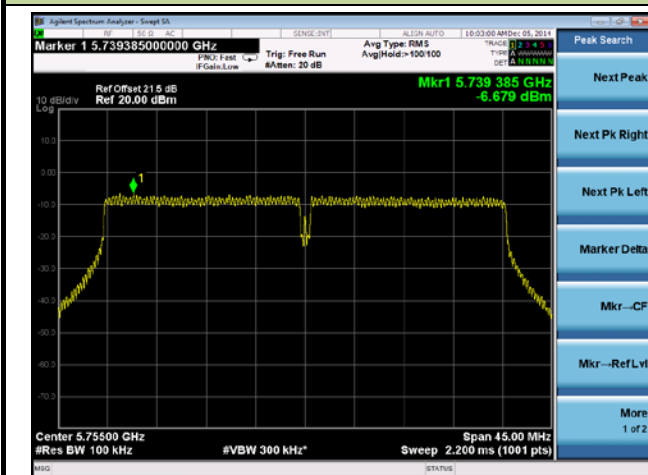
## Channel 38 (5190MHz)



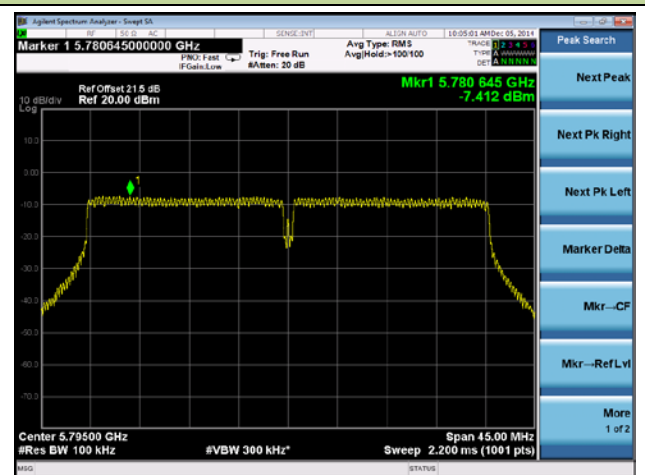
## Channel 46 (5230MHz)



## Channel 151 (5755MHz)



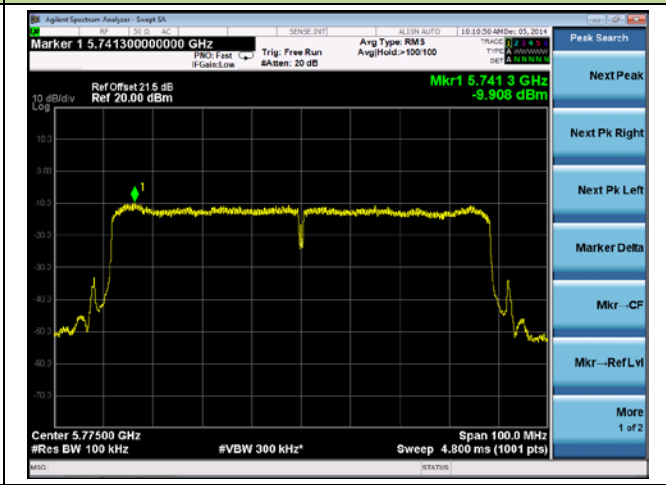
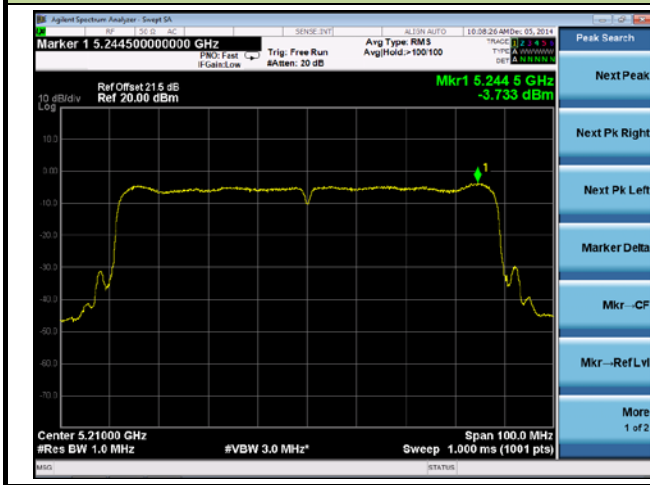
## Channel 159 (5795MHz)



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

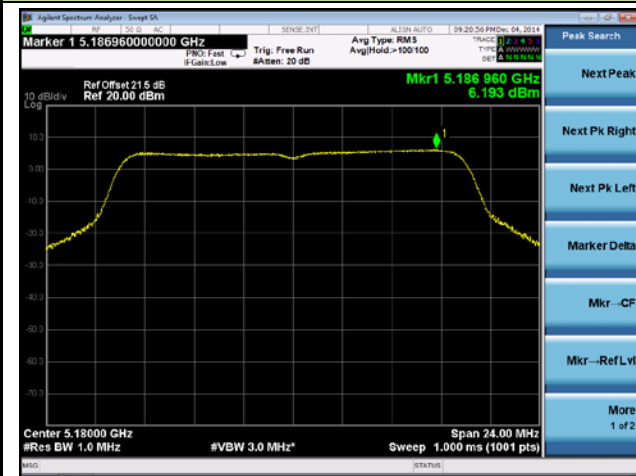
Channel 42 (5210MHz)

Channel 155 (5775MHz)

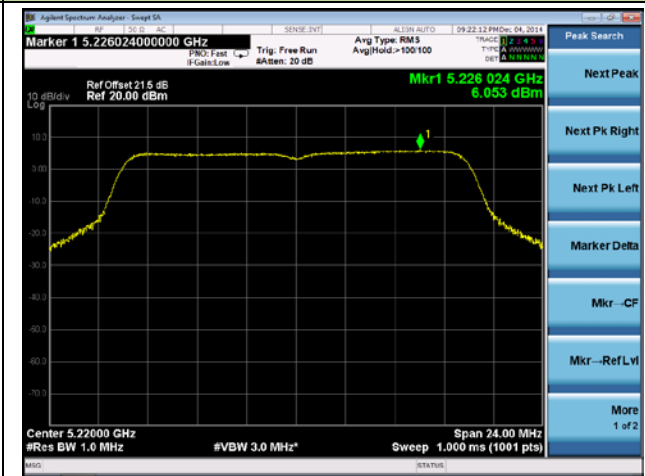


### 802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

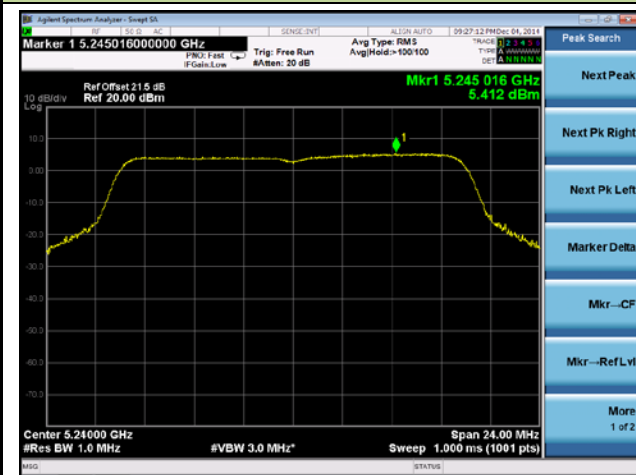
**Channel 36 (5180MHz)**



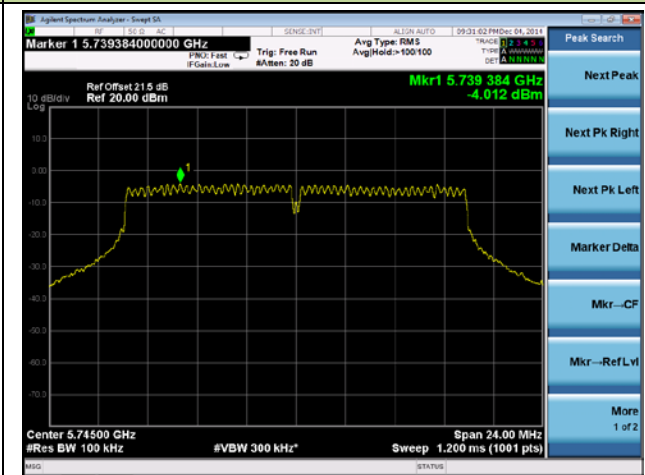
**Channel 44 (5220MHz)**



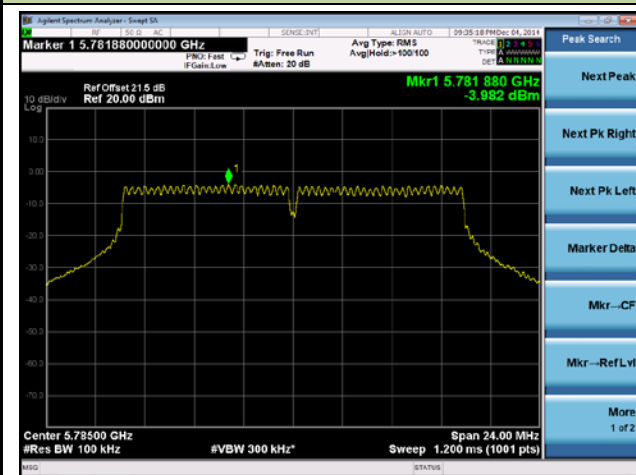
**Channel 48 (5240MHz)**



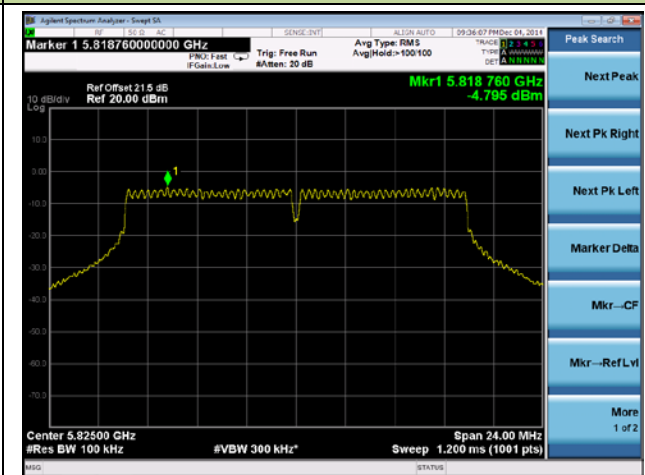
**Channel 149 (5745MHz)**



**Channel 157 (5785MHz)**

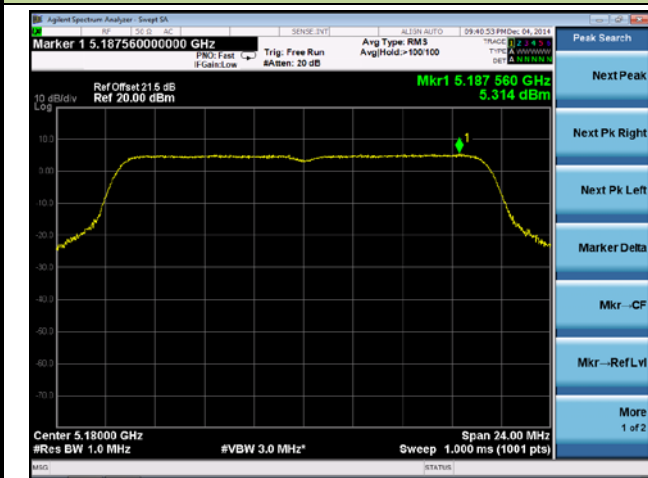


**Channel 165 (5825MHz)**

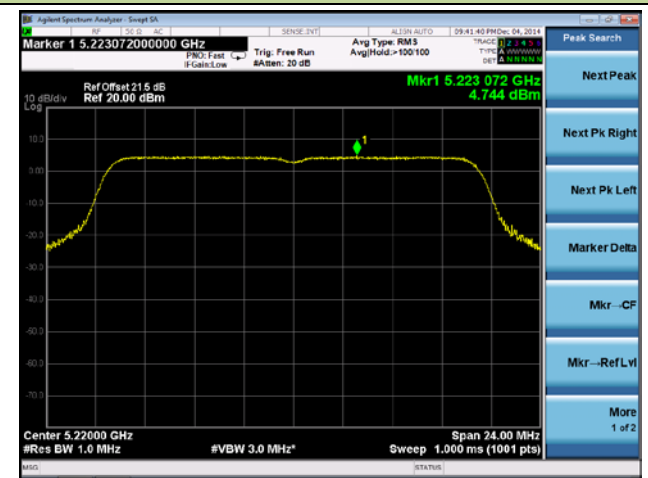


### 802.11n-HT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

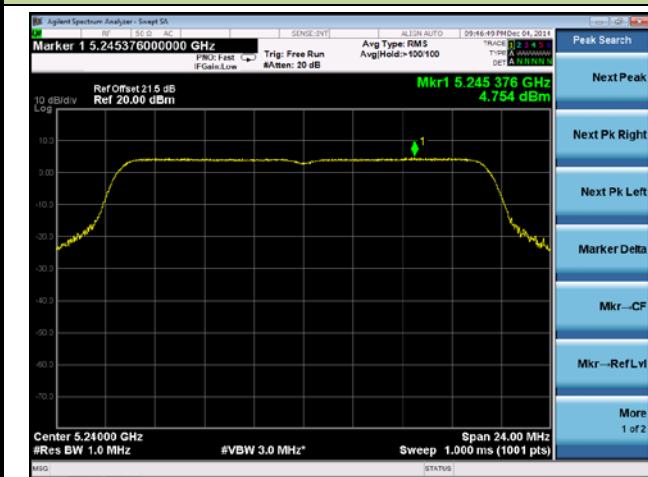
**Channel 36 (5180MHz)**



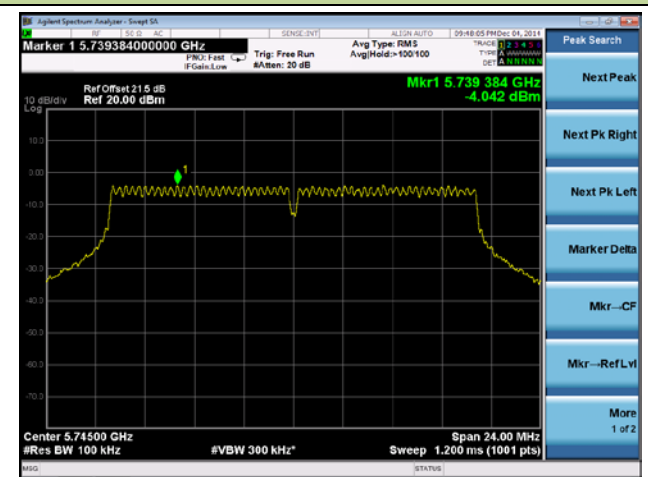
**Channel 44 (5220MHz)**



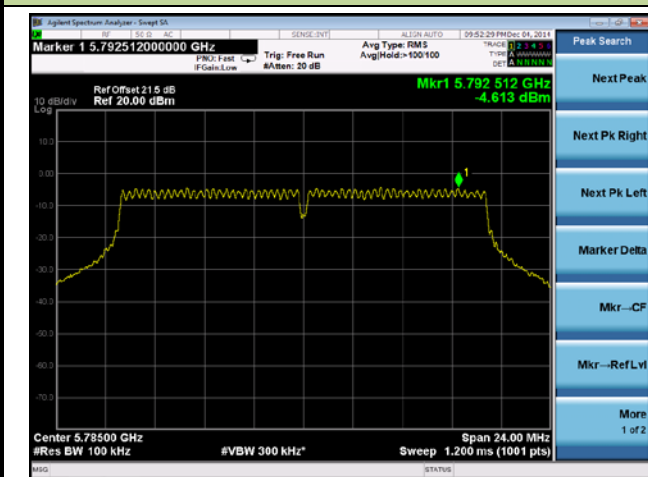
**Channel 48 (5240MHz)**



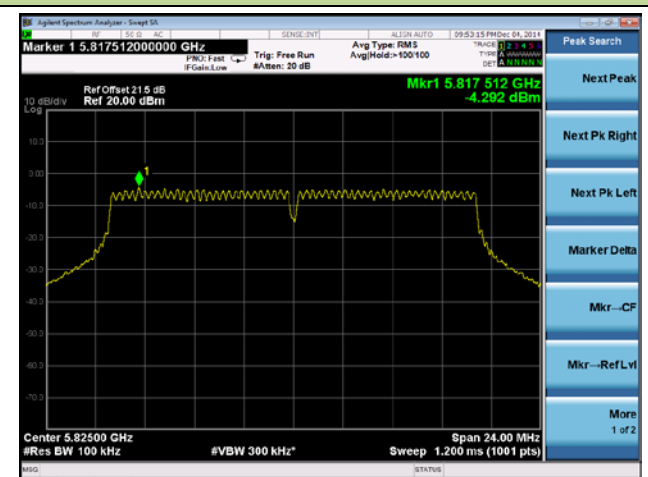
**Channel 149 (5745MHz)**



**Channel 157 (5785MHz)**

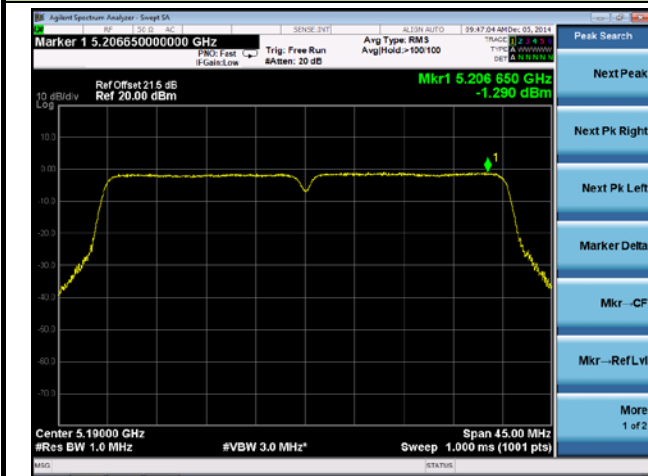


**Channel 165 (5825MHz)**

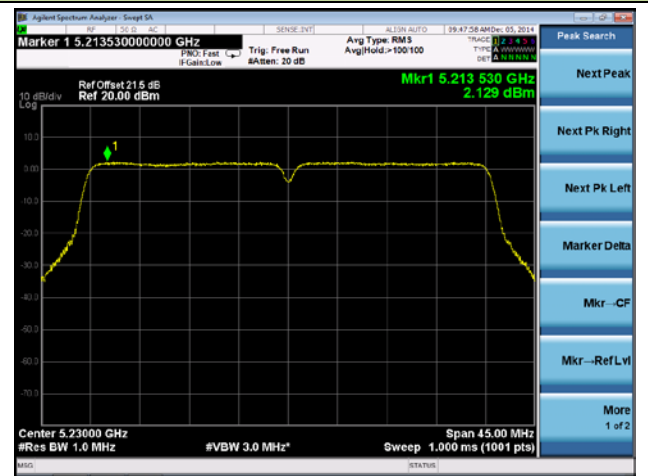


### 802.11n-HT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

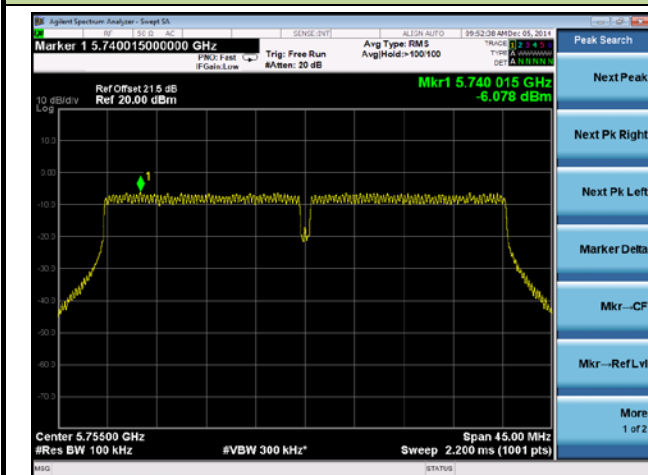
**Channel 38 (5190MHz)**



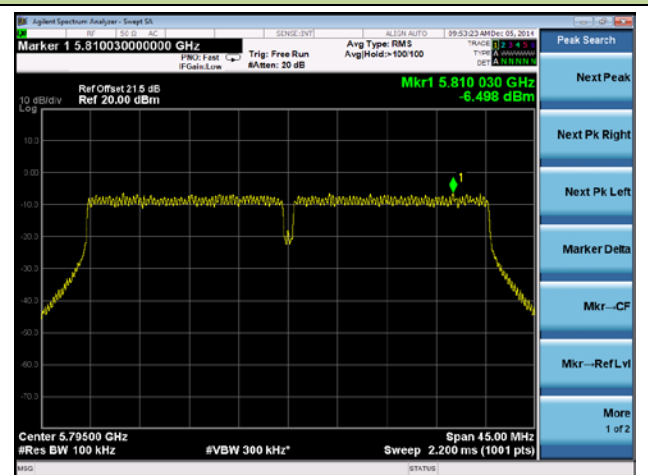
**Channel 46 (5230MHz)**



**Channel 151 (5755MHz)**

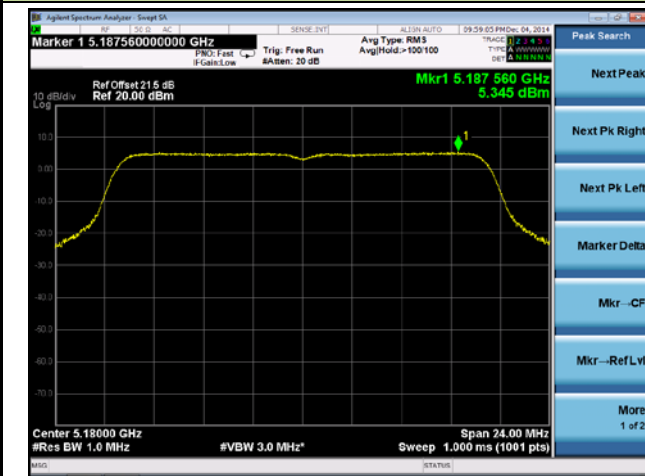


**Channel 159 (5795MHz)**

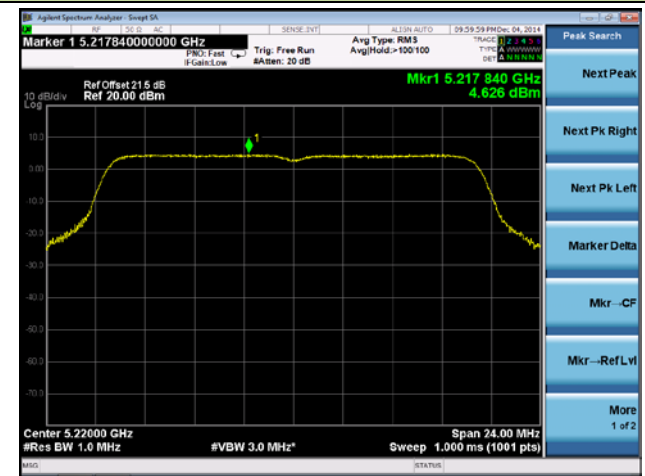


802.11ac-VHT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

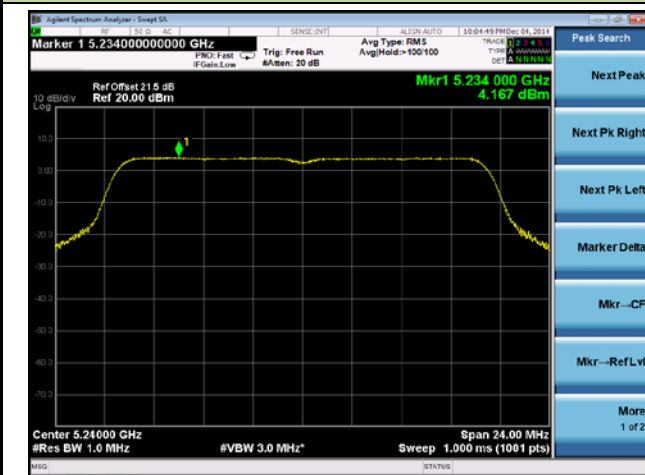
Channel 36 (5180MHz)



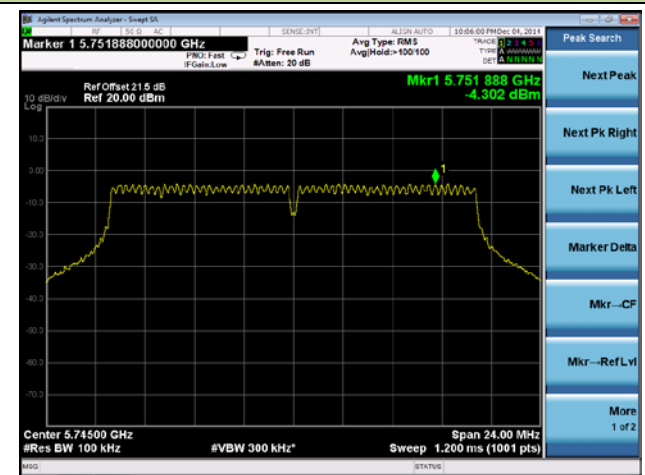
Channel 44 (5220MHz)



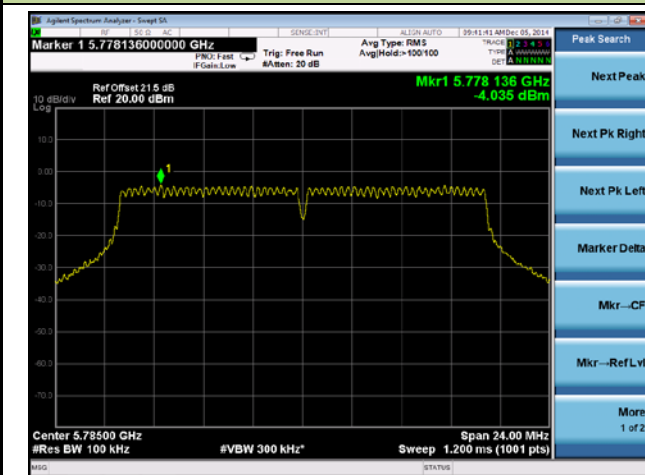
Channel 48 (5240MHz)



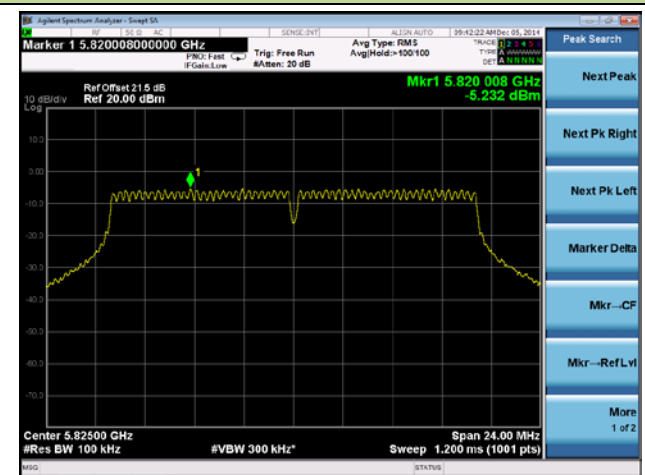
Channel 149 (5745MHz)



Channel 157 (5785MHz)

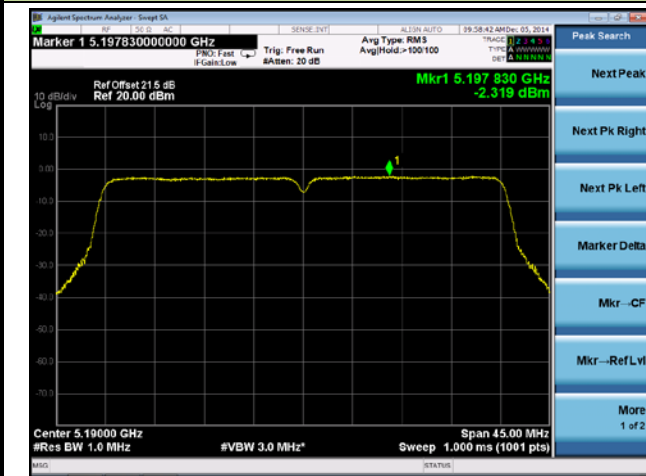


Channel 165 (5825MHz)

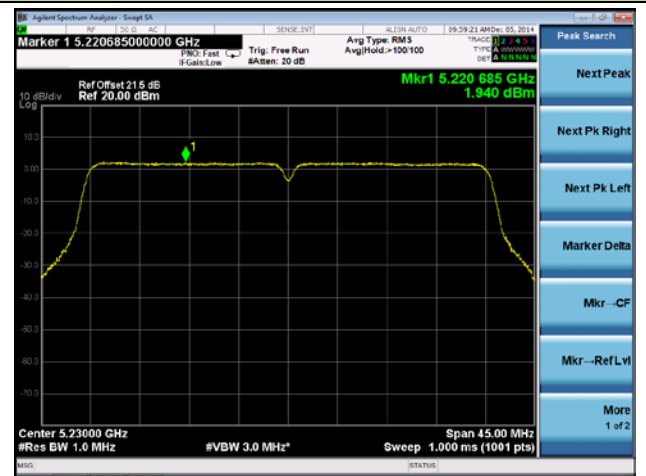


802.11ac-VHT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

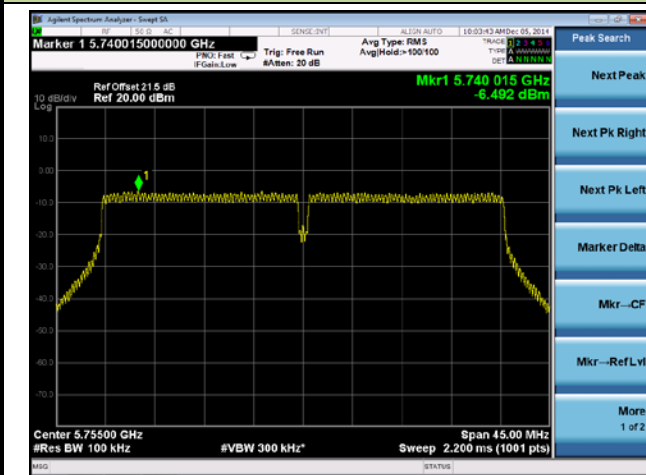
Channel 38 (5190MHz)



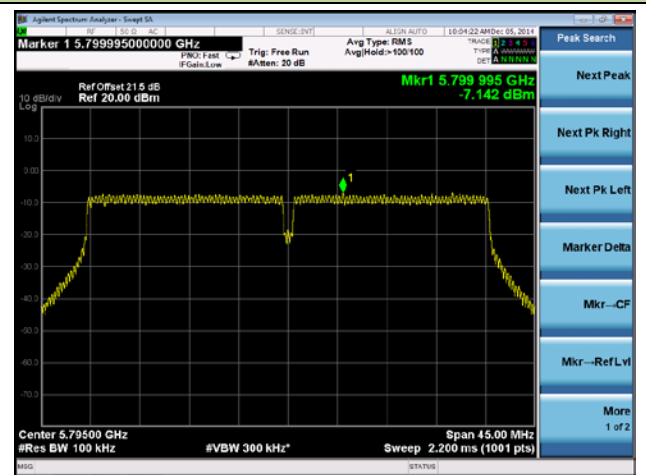
Channel 46 (5230MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

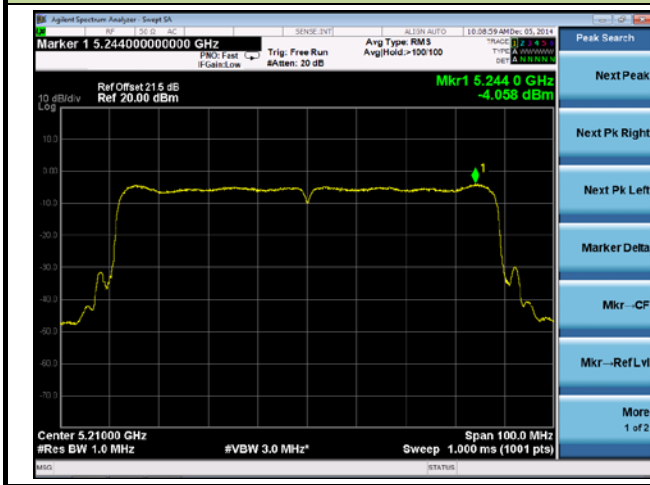




802.11ac-VHT80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)

Channel 155 (5775MHz)



## 7.7. Frequency Stability Measurement

### 7.7.1. Test Limit

Manufacturers 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.

### 7.7.2. Test Procedure Used

#### Frequency Stability Under Temperature Variations:

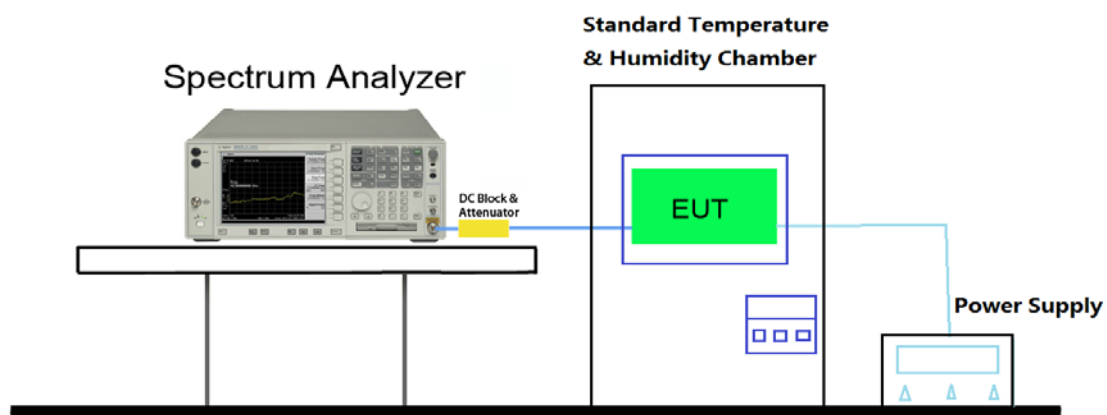
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain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

#### Frequency Stability Under Voltage Variations:

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

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

### 7.7.3. Test Setup



**7.7.4. Test Result**

Voltage (%)	Power (VAC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100%	120	+ 20 (Ref)	5220019863.985	19863.985	0.0003805
			5785033752.421	33752.421	0.0005834
		- 30	5220040583.814	40583.814	0.0007775
			5785035169.742	35169.742	0.0006079
		- 20	5219988665.479	-11334.521	-0.0002171
			5785030562.415	30562.415	0.0005283
		- 10	5219895321.356	-104678.644	-0.0020053
			5785040325.287	40325.287	0.0006971
		0	5220034214.632	34214.632	0.0006555
			5785019836.631	19836.631	0.0003429
		+ 10	5219867382.589	-132617.411	-0.0025406
			5784787369.426	-212630.574	-0.0036756
		+ 20	5220030875.741	30875.741	0.0005915
			5784972647.394	-27352.606	-0.0004728
		+ 30	5219976985.692	-23014.308	-0.0004409
			5785019763.612	19763.612	0.0003416
		+ 40	5220018967.834	18967.834	0.0003634
			5785035354.643	35354.643	0.0006111
+ 50	5219968942.597	-31057.403	-0.0005950		
	5785018263.142	18263.142	0.0003157		
115%	138	+ 20	5220023013.263	23013.263	0.0004409
			5784983641.067	-16358.933	-0.0002828
85%	102	+ 20	5219976823.584	-23176.416	-0.0004440
			5785019351.354	19351.354	0.0003345

## 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 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 Procedure Used

KDB 789033 D02v01 - Section G

### 7.8.3. 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

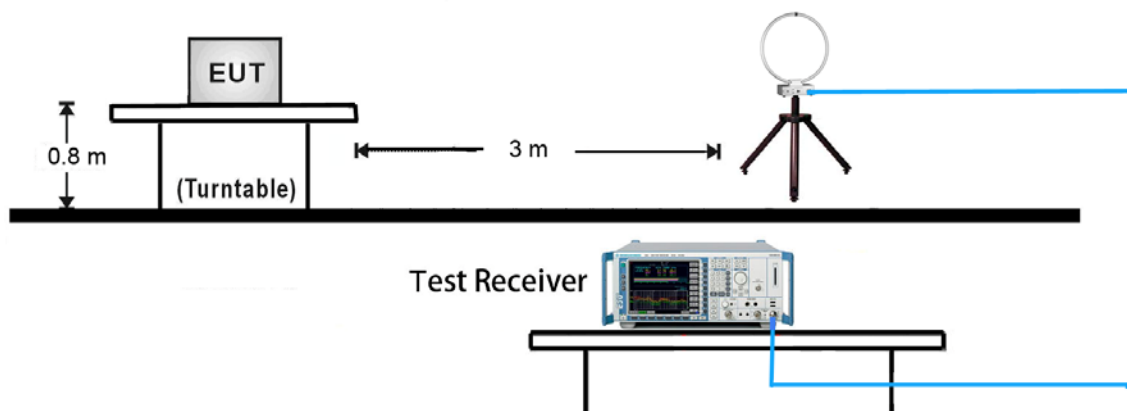
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1MHz
3. RBW = 120 kHz
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

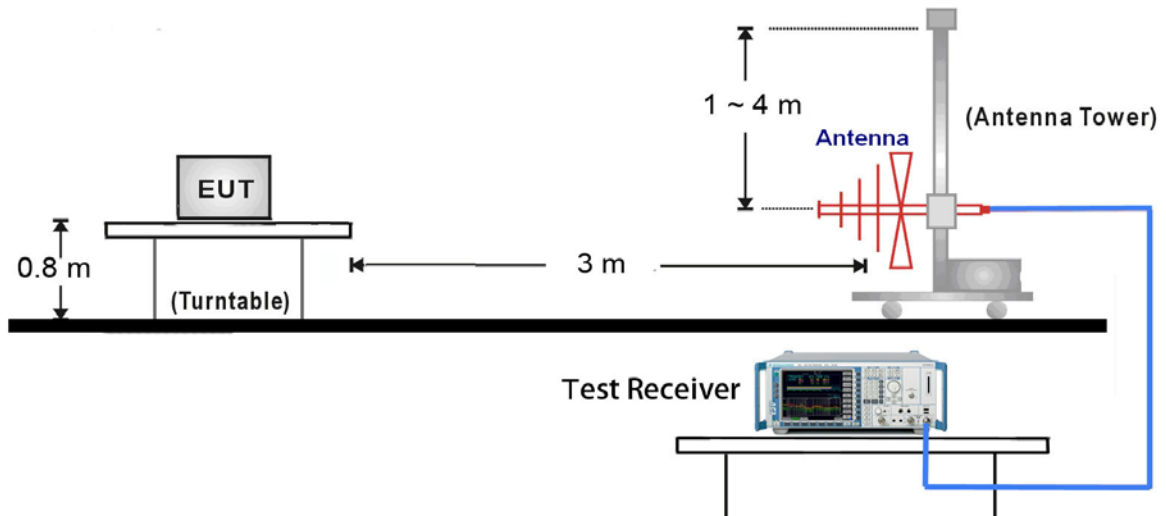
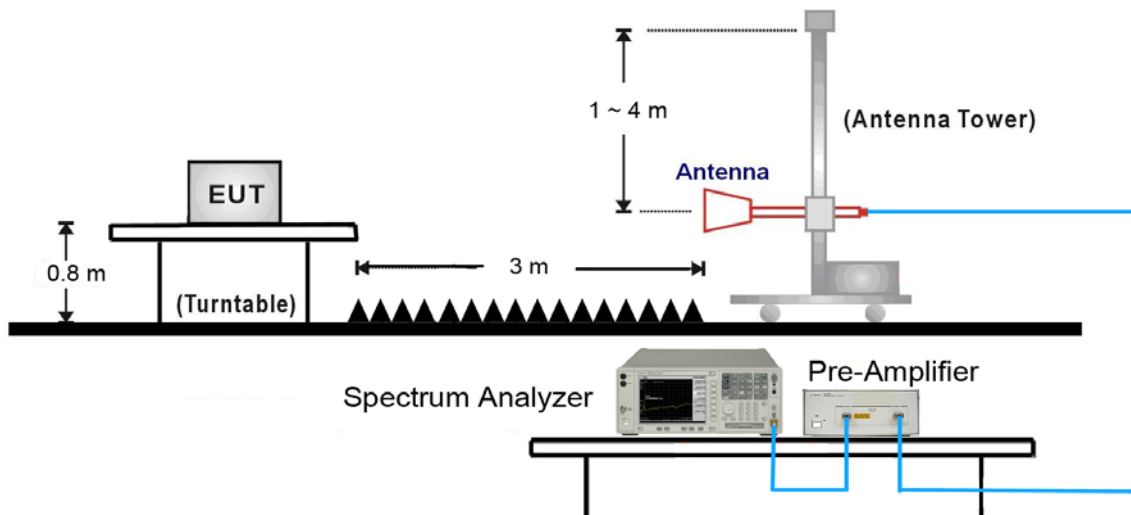
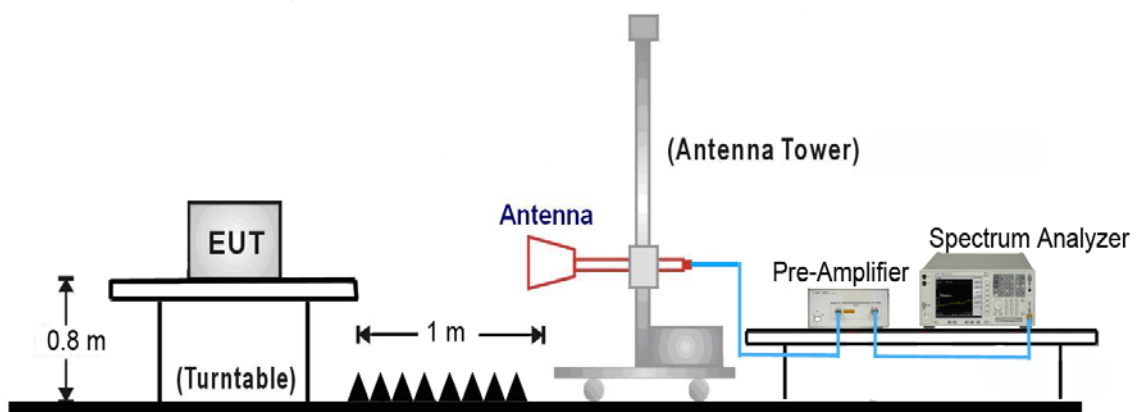
### Average Measurements above 1GHz (Method AD)

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  $> 2 \times \text{span}/\text{RBW}$ )
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

Test Mode:	802.11a	Test Site:	AC1
Test Channel:	36	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
*	8834.1	35.1	14.2	49.3	88.2	-38.9	Peak	Horizontal
	9423.5	34.5	15.5	50.0	74.0	-24.0	Peak	Horizontal
*	10350.0	38.6	17.3	55.9	88.2	-32.3	Peak	Horizontal
	11225.5	33.4	19.1	52.5	74.0	-21.5	Peak	Horizontal
*	8637.2	32.6	14.8	47.4	88.2	-40.8	Peak	Vertical
	9428.7	34.7	15.5	50.2	74.0	-23.8	Peak	Vertical
*	10350.0	40.7	17.3	58.0	88.2	-30.2	Peak	Vertical
	11200.0	32.9	19.3	52.2	74.0	-21.8	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 of 88.2dBμV/m.

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:	44	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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	8789.0	33.9	14.4	48.3	88.2	-39.9	Peak	Horizontal
	9355.0	33.1	15.4	48.5	74.0	-25.5	Peak	Horizontal
*	10426.5	42.9	16.8	59.7	88.2	-28.5	Peak	Horizontal
	11183.0	33.6	19.2	52.8	74.0	-21.2	Peak	Horizontal
*	8641.6	32.0	14.8	46.8	88.2	-41.4	Peak	Vertical
	9478.6	34.8	15.4	50.2	74.0	-23.8	Peak	Vertical
*	10435.0	43.8	16.7	60.5	88.2	-27.7	Peak	Vertical
	11302.0	33.8	19.0	52.8	74.0	-21.2	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dB $\mu$ V/m.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



Test Mode:	802.11a	Test Site:	AC1
Test Channel:	48	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
*	8943.5	33.9	14.2	48.1	88.2	-40.1	Peak	Horizontal
	9465.3	36.0	15.4	51.4	74.0	-22.6	Peak	Horizontal
*	10469.0	40.4	17.2	57.6	88.2	-30.6	Peak	Horizontal
	11242.5	33.4	18.9	52.3	74.0	-21.7	Peak	Horizontal
*	8658.4	31.9	14.8	46.7	88.2	-41.5	Peak	Vertical
	9432.7	34.7	15.5	50.2	74.0	-23.8	Peak	Vertical
*	10469.0	43.6	17.2	60.8	88.2	-27.4	Peak	Vertical
	11293.5	34.1	18.9	53.0	74.0	-21.0	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 of 88.2dBμV/m.

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:	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
*	8763.2	33.9	14.6	48.5	88.2	-39.7	Peak	Horizontal
	9128.0	33.7	15.0	48.7	74.0	-25.3	Peak	Horizontal
*	9863.5	35.1	16.4	51.5	88.2	-36.7	Peak	Horizontal
	11489.0	45.7	19.4	65.1	74.0	-8.9	Peak	Horizontal
	11491.8	32.9	19.4	52.3	54.0	-1.7	Average	Horizontal
*	7982.6	33.5	15.0	48.5	88.2	-39.7	Peak	Vertical
	9177.2	35.6	15.3	50.9	74.0	-23.1	Peak	Vertical
*	10342.0	35.3	17.2	52.5	88.2	-35.7	Peak	Vertical
	11497.5	43.8	19.4	63.2	74.0	-10.8	Peak	Vertical
	11489.9	30.8	19.4	50.2	54.0	-3.8	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	7143.5	32.0	13.5	45.5	88.2	-42.7	Peak	Horizontal
	8469.3	33.4	14.6	48.0	74.0	-26.0	Peak	Horizontal
*	9965.4	34.9	16.3	51.2	88.2	-37.0	Peak	Horizontal
	11574.0	43.5	19.5	63.0	74.0	-11.0	Peak	Horizontal
	11572.0	31.8	19.4	51.2	54.0	-2.8	Average	Horizontal
*	7854.7	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
	9467.3	35.0	15.4	50.4	74.0	-23.6	Peak	Vertical
*	10147.0	34.5	16.5	51.0	88.2	-37.2	Peak	Vertical
	11565.5	43.2	19.4	62.6	74.0	-11.4	Peak	Vertical
	11580.0	30.4	19.5	49.9	54.0	-4.1	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	7953.1	32.7	15.1	47.8	88.2	-40.4	Peak	Horizontal
	9108.0	34.1	14.7	48.8	74.0	-25.2	Peak	Horizontal
*	9822.3	35.4	16.5	51.9	88.2	-36.3	Peak	Horizontal
	11650.5	46.5	19.4	65.9	74.0	-8.1	Peak	Horizontal
	11651.5	32.9	19.4	52.3	54.0	-1.7	Average	Horizontal
*	7925.0	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	9310.4	33.3	15.4	48.7	74.0	-25.3	Peak	Vertical
*	10469.0	35.3	17.2	52.5	88.2	-35.7	Peak	Vertical
	11642.0	44.8	19.4	64.2	74.0	-9.8	Peak	Vertical
	11642.9	30.4	19.4	49.8	54.0	-4.2	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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:	36	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
*	7987.2	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	9439.1	34.6	15.5	50.1	74.0	-23.9	Peak	Horizontal
*	10350.0	40.8	17.3	58.1	88.2	-30.1	Peak	Horizontal
	11285.0	33.6	18.8	52.4	74.0	-21.6	Peak	Horizontal
*	7845.3	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
	9348.8	33.1	15.4	48.5	74.0	-25.5	Peak	Vertical
*	10358.5	43.2	17.3	60.5	88.2	-27.7	Peak	Vertical
	11285.0	34.4	18.8	53.2	74.0	-20.8	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 of 88.2dBμV/m.

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:	44	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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	7817.6	32.2	15.0	47.2	88.2	-41.0	Peak	Horizontal
	9414.5	34.5	15.5	50.0	74.0	-24.0	Peak	Horizontal
*	10443.5	41.2	16.8	58.0	88.2	-30.2	Peak	Horizontal
	11123.5	33.8	19.2	53.0	74.0	-21.0	Peak	Horizontal
*	7988.6	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
	9320.5	33.7	15.4	49.1	74.0	-24.9	Peak	Vertical
*	10435.0	42.4	16.7	59.1	88.2	-29.1	Peak	Vertical
	11302.0	33.6	19.0	52.6	74.0	-21.4	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dB $\mu$ V/m.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + 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:	48	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
*	7778.5	31.2	14.9	46.1	88.2	-42.1	Peak	Horizontal
	9343.5	33.4	15.4	48.8	74.0	-25.2	Peak	Horizontal
*	10486.0	41.2	17.5	58.7	88.2	-29.5	Peak	Horizontal
	11157.5	33.6	19.1	52.7	74.0	-21.3	Peak	Horizontal
*	7892.4	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
	9497.7	35.1	15.5	50.6	74.0	-23.4	Peak	Vertical
*	10486.0	42.8	17.5	60.3	88.2	-27.9	Peak	Vertical
	11293.5	33.5	18.9	52.4	74.0	-21.6	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 of 88.2dBμV/m.

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
*	7767.1	31.2	14.9	46.1	88.2	-42.1	Peak	Horizontal
	9368.5	33.4	15.3	48.7	74.0	-25.3	Peak	Horizontal
*	10141.0	34.6	16.5	51.1	88.2	-37.1	Peak	Horizontal
	11489.0	44.1	19.4	63.5	74.0	-10.5	Peak	Horizontal
	11491.1	30.8	19.4	50.2	54.0	-3.8	Average	Horizontal
*	7971.6	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
	9445.7	34.8	15.5	50.3	74.0	-23.7	Peak	Vertical
*	10173.0	35.6	16.5	52.1	88.2	-36.1	Peak	Vertical
	11489.0	43.3	19.4	62.7	74.0	-11.3	Peak	Vertical
	11491.2	30.1	19.4	49.5	54.0	-4.5	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	8002.6	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
	9195.0	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
*	10326.0	34.3	17.1	51.4	88.2	-36.8	Peak	Horizontal
	11565.5	44.4	19.4	63.8	74.0	-10.2	Peak	Horizontal
	11568.8	31.2	19.4	50.6	54.0	-3.4	Average	Horizontal
*	7793.6	31.6	15.0	46.6	88.2	-41.6	Peak	Vertical
	9395.6	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical
*	10211.0	33.8	16.6	50.4	88.2	-37.8	Peak	Vertical
	11569.2	28.6	19.4	48.0	54.0	-6.0	Peak	Vertical
	11574.0	41.9	19.5	61.4	74.0	-12.6	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	8002.6	32.8	15.1	47.9	88.2	-40.3	Peak	Horizontal
	9195.0	34.9	15.2	50.1	74.0	-23.9	Peak	Horizontal
*	10326.0	34.3	17.1	51.4	88.2	-36.8	Peak	Horizontal
	11565.5	44.4	19.4	63.8	74.0	-10.2	Peak	Horizontal
	11568.8	31.2	19.4	50.6	54.0	-3.4	Average	Horizontal
*	7793.6	31.6	15.0	46.6	88.2	-41.6	Peak	Vertical
	9395.6	34.4	15.4	49.8	74.0	-24.2	Peak	Vertical
*	10211.0	33.8	16.6	50.4	88.2	-37.8	Peak	Vertical
	11574.0	41.9	19.5	61.4	74.0	-12.6	Peak	Vertical
	11569.2	28.6	19.4	48.0	54.0	-6.0	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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:	38	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
*	7859.5	34.1	15.1	49.2	88.2	-39.0	Peak	Horizontal
	9194.0	37.1	15.2	52.3	74.0	-21.7	Peak	Horizontal
*	10443.5	36.6	16.8	53.4	88.2	-34.8	Peak	Horizontal
	11276.5	34.4	18.8	53.2	74.0	-20.8	Peak	Horizontal
*	8021.0	33.2	15.1	48.3	88.2	-39.9	Peak	Vertical
	9151.5	37.1	15.3	52.4	74.0	-21.6	Peak	Vertical
*	10307.5	35.4	17.0	52.4	88.2	-35.8	Peak	Vertical
	10792.0	34.4	18.2	52.6	74.0	-21.4	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 of 88.2dBμV/m.

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:	46	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 (dB $\mu$ V)	Factor (dB)	Measure Level (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector	Polarization
*	7799.7	32.0	15.0	47.0	88.2	-41.2	Peak	Horizontal
	9328.6	33.8	15.4	49.2	74.0	-24.8	Peak	Horizontal
*	10469.0	41.7	17.2	58.9	88.2	-29.3	Peak	Horizontal
	11820.5	32.5	19.3	51.8	74.0	-22.2	Peak	Horizontal
*	7954.6	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	9475.7	34.7	15.4	50.1	74.0	-23.9	Peak	Vertical
*	10469.0	40.5	17.2	57.7	88.2	-30.5	Peak	Vertical
	11157.5	33.7	19.1	52.8	74.0	-21.2	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dB $\mu$ V/m.

Note 2: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + 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
*	7998.0	32.5	15.0	47.5	88.2	-40.7	Peak	Horizontal
	9335.3	33.3	15.4	48.7	74.0	-25.3	Peak	Horizontal
*	10382.0	35.2	17.2	52.4	88.2	-35.8	Peak	Horizontal
	11514.5	41.1	19.4	60.5	74.0	-13.5	Peak	Horizontal
	11511.4	29.3	19.4	48.7	54.0	-5.3	Average	Horizontal
*	7960.3	33.1	15.0	48.1	88.2	-40.1	Peak	Vertical
	9391.6	34.0	15.4	49.4	74.0	-24.6	Peak	Vertical
*	10328.0	34.2	17.2	51.4	88.2	-36.8	Peak	Vertical
	11497.5	41.8	19.4	61.2	74.0	-12.8	Peak	Vertical
	11505.2	28.3	19.4	47.7	54.0	-6.3	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	7843.6	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	9491.6	34.9	15.4	50.3	74.0	-23.7	Peak	Horizontal
*	10524.0	35.4	17.9	53.3	88.2	-34.9	Peak	Horizontal
	11582.5	41.4	19.5	60.9	74.0	-13.1	Peak	Horizontal
	11586.9	28.8	19.5	48.3	54.0	-5.7	Average	Horizontal
*	8004.3	33.1	15.1	48.2	88.2	-40.0	Peak	Vertical
	9479.7	35.6	15.4	51.0	74.0	-23.0	Peak	Vertical
*	10344.0	34.6	17.3	51.9	88.2	-36.3	Peak	Vertical
	11591.0	40.2	19.5	59.7	74.0	-14.3	Peak	Vertical
	11585.2	27.8	19.5	47.3	54.0	-6.7	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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:	36	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
*	7977.4	33.8	15.0	48.8	88.2	-39.4	Peak	Horizontal
	9398.5	34.1	15.4	49.5	74.0	-24.5	Peak	Horizontal
*	10350.0	43.3	17.3	60.6	88.2	-27.6	Peak	Horizontal
	11327.5	33.9	19.2	53.1	74.0	-20.9	Peak	Horizontal
*	7825.3	32.3	15.1	47.4	88.2	-40.8	Peak	Vertical
	9348.2	33.8	15.4	49.2	74.0	-24.8	Peak	Vertical
*	10358.5	39.9	17.3	57.2	88.2	-31.0	Peak	Vertical
	11208.5	33.3	19.2	52.5	74.0	-21.5	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dBμV/m.

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:	44	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
*	7798.5	32.0	15.0	47.0	88.2	-41.2	Peak	Horizontal
	9399.6	34.4	15.4	49.8	74.0	-24.2	Peak	Horizontal
*	10435.0	44.6	16.7	61.3	88.2	-26.9	Peak	Horizontal
	11276.5	33.8	18.8	52.6	74.0	-21.4	Peak	Horizontal
*	7898.5	33.2	15.0	48.2	88.2	-40.0	Peak	Vertical
	9306.7	33.2	15.4	48.6	74.0	-25.4	Peak	Vertical
*	10435.0	42.7	16.7	59.4	88.2	-28.8	Peak	Vertical
	11259.5	33.2	18.8	52.0	74.0	-22.0	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dBμV/m.

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:	48	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
*	7774.6	31.6	14.9	46.5	88.2	-41.7	Peak	Horizontal
	9427.5	34.8	15.5	50.3	74.0	-23.7	Peak	Horizontal
*	10477.5	44.7	17.3	62.0	88.2	-26.2	Peak	Horizontal
	11336.0	33.6	19.2	52.8	74.0	-21.2	Peak	Horizontal
*	7871.7	33.3	15.0	48.3	88.2	-39.9	Peak	Vertical
	9421.6	35.2	15.5	50.7	74.0	-23.3	Peak	Vertical
*	10477.5	43.1	17.3	60.4	88.2	-27.8	Peak	Vertical
	11208.5	32.8	19.2	52.0	74.0	-22.0	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dBμV/m.

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
*	7939.6	33.6	15.1	48.7	88.2	-39.5	Peak	Horizontal
	9477.5	35.1	15.4	50.5	74.0	-23.5	Peak	Horizontal
*	10415.3	36.3	17.0	53.3	88.2	-34.9	Peak	Horizontal
	11489.0	43.6	19.4	63.0	74.0	-11.0	Peak	Horizontal
	11488.7	31.6	19.4	51.0	54.0	-3.0	Average	Horizontal
*	7817.6	32.0	15.0	47.0	88.2	-41.2	Peak	Vertical
	9488.6	35.3	15.4	50.7	74.0	-23.3	Peak	Vertical
*	10438.0	35.8	16.7	52.5	88.2	-35.7	Peak	Vertical
	11489.0	42.7	19.4	62.1	74.0	-11.9	Peak	Vertical
	11491.5	32.5	19.4	51.9	54.0	-2.1	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	7849.6	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
	9312.6	33.8	15.4	49.2	74.0	-24.8	Peak	Horizontal
*	10498.0	34.7	17.6	52.3	88.2	-35.9	Peak	Horizontal
	11574.0	42.6	19.5	62.1	74.0	-11.9	Peak	Horizontal
	11570.9	31.7	19.4	51.1	54.0	-2.9	Average	Horizontal
*	7895.1	32.9	15.0	47.9	88.2	-40.3	Peak	Vertical
	9451.5	35.8	15.5	51.3	74.0	-22.7	Peak	Vertical
*	10597.0	34.5	17.8	52.3	88.2	-35.9	Peak	Vertical
	11574.0	43.5	19.5	63.0	74.0	-11.0	Peak	Vertical
	11569.3	31.9	19.4	51.3	54.0	-2.7	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	7914.3	34.0	15.0	49.0	88.2	-39.2	Peak	Horizontal
	9446.4	35.0	15.5	50.5	74.0	-23.5	Peak	Horizontal
*	11649.0	32.3	19.4	51.7	54.0	-2.3	Peak	Horizontal
	11650.5	45.4	19.4	64.8	74.0	-9.2	Peak	Horizontal
	11649.0	32.3	19.4	51.7	54.0	-2.3	Average	Horizontal
*	7787.2	31.6	15.0	46.6	88.2	-41.6	Peak	Vertical
	9456.6	35.1	15.5	50.6	74.0	-23.4	Peak	Vertical
*	9883.6	34.8	16.3	51.1	88.2	-37.1	Peak	Vertical
	11650.5	43.0	19.4	62.4	74.0	-11.6	Peak	Vertical
	11649.0	31.9	19.4	51.3	54.0	-2.7	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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:	38	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
*	7906.3	33.2	15.0	48.2	88.2	-40.0	Peak	Horizontal
	9376.7	34.1	15.3	49.4	74.0	-24.6	Peak	Horizontal
*	9984.6	34.9	16.5	51.4	88.2	-36.8	Peak	Horizontal
	10732.5	34.3	17.9	52.2	74.0	-21.8	Peak	Horizontal
*	8752.0	34.1	14.6	48.7	88.2	-39.5	Peak	Vertical
	9347.0	34.5	15.4	49.9	74.0	-24.1	Peak	Vertical
*	10214.0	34.9	16.6	51.5	88.2	-36.7	Peak	Vertical
	10894.0	33.5	18.8	52.3	74.0	-21.7	Peak	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dBμV/m.

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:	46	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
*	7855.6	32.6	15.1	47.7	88.2	-40.5	Peak	Horizontal
	9411.3	34.3	15.5	49.8	74.0	-24.2	Peak	Horizontal
*	10469.0	42.7	17.2	59.9	88.2	-28.3	Peak	Horizontal
	11208.5	32.7	19.2	51.9	74.0	-22.1	Peak	Horizontal
*	7934.6	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	9309.6	33.9	15.4	49.3	74.0	-24.7	Peak	Vertical
*	10460.5	41.1	17.0	58.1	88.2	-30.1	Peak	Vertical
	11557.0	33.2	19.4	52.6	74.0	-21.4	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 of 88.2dBμV/m.

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
*	7931.7	33.5	15.1	48.6	88.2	-39.6	Peak	Horizontal
	9307.7	34.0	15.4	49.4	74.0	-24.6	Peak	Horizontal
*	10148.0	34.6	16.5	51.1	88.2	-37.1	Peak	Horizontal
	11514.5	42.9	19.4	62.3	74.0	-11.7	Peak	Horizontal
	11508.7	28.4	19.4	47.8	54.0	-6.2	Average	Horizontal
*	7750.6	30.9	14.8	45.7	88.2	-42.5	Peak	Vertical
	9439.6	34.7	15.5	50.2	74.0	-23.8	Peak	Vertical
*	10142.0	34.6	16.5	51.1	88.2	-37.1	Peak	Vertical
	11497.5	42.2	19.4	61.6	74.0	-12.4	Peak	Vertical
	11504.8	30.3	19.4	49.7	54.0	-4.3	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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
*	7927.5	33.9	15.1	49.0	88.2	-39.2	Peak	Horizontal
	9440.2	34.8	15.5	50.3	74.0	-23.7	Peak	Horizontal
*	9997.2	34.2	16.6	50.8	88.2	-37.4	Peak	Horizontal
	11582.5	41.4	19.5	60.9	74.0	-13.1	Peak	Horizontal
	11586.1	28.9	19.5	48.4	54.0	-5.6	Average	Horizontal
*	7901.5	33.0	15.0	48.0	88.2	-40.2	Peak	Vertical
	9358.2	33.7	15.3	49.0	74.0	-25.0	Peak	Vertical
*	10397.0	35.5	17.2	52.7	88.2	-35.5	Peak	Vertical
	11591.0	39.4	19.5	58.9	74.0	-15.1	Peak	Vertical
	11584.8	29.8	19.5	49.3	54.0	-4.7	Average	Vertical

Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in 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 of 88.2dBμV/m.

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:	42	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
*	8837.0	35.9	14.2	50.1	88.2	-38.1	Peak	Horizontal
	9432.0	35.6	15.5	51.1	74.0	-22.9	Peak	Horizontal
*	10299.0	35.7	17.0	52.7	88.2	-35.5	Peak	Horizontal
	11200.0	33.8	19.3	53.1	74.0	-20.9	Peak	Horizontal
*	7978.5	34.4	15.0	49.4	88.2	-38.8	Peak	Vertical
	9185.5	36.5	15.3	51.8	74.0	-22.2	Peak	Vertical
*	10350.0	35.8	17.3	53.1	88.2	-35.1	Peak	Vertical
	11276.5	33.4	18.8	52.2	74.0	-21.8	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 of 88.2dBμV/m.

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
*	7828.3	32.0	15.1	47.1	88.2	-41.1	Peak	Horizontal
	9469.2	35.7	15.4	51.1	74.0	-22.9	Peak	Horizontal
*	10322.0	34.1	17.1	51.2	88.2	-37.0	Peak	Horizontal
	11574.0	40.8	19.5	60.3	74.0	-13.7	Peak	Horizontal
	11550.2	26.8	19.4	46.2	54.0	-7.8	Average	Horizontal
*	7934.1	33.3	15.1	48.4	88.2	-39.8	Peak	Vertical
	9340.6	33.6	15.4	49.0	74.0	-25.0	Peak	Vertical
*	10501.0	35.4	17.7	53.1	88.2	-35.1	Peak	Vertical
	11565.5	41.5	19.4	60.9	74.0	-13.1	Peak	Vertical
	11550.3	26.8	19.4	46.2	54.0	-7.8	Average	Vertical

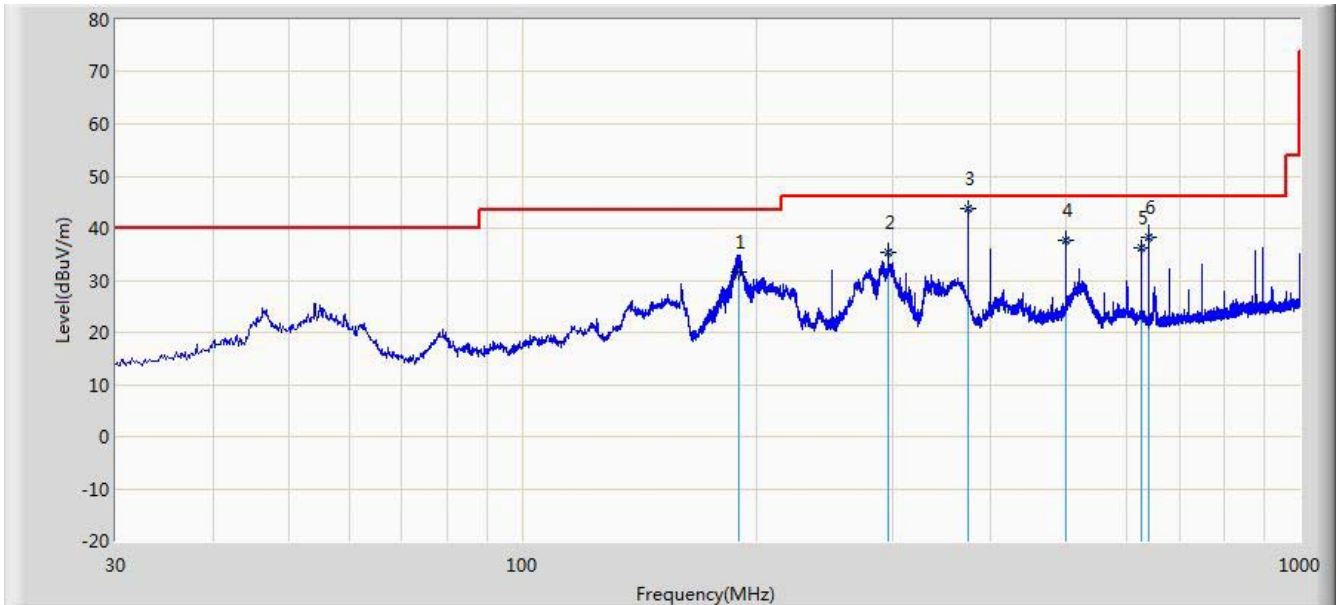
Note 1: "\*" is not in restricted band, its limit is -27dBm/MHz or -17dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 88.2dBμV/m.

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

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

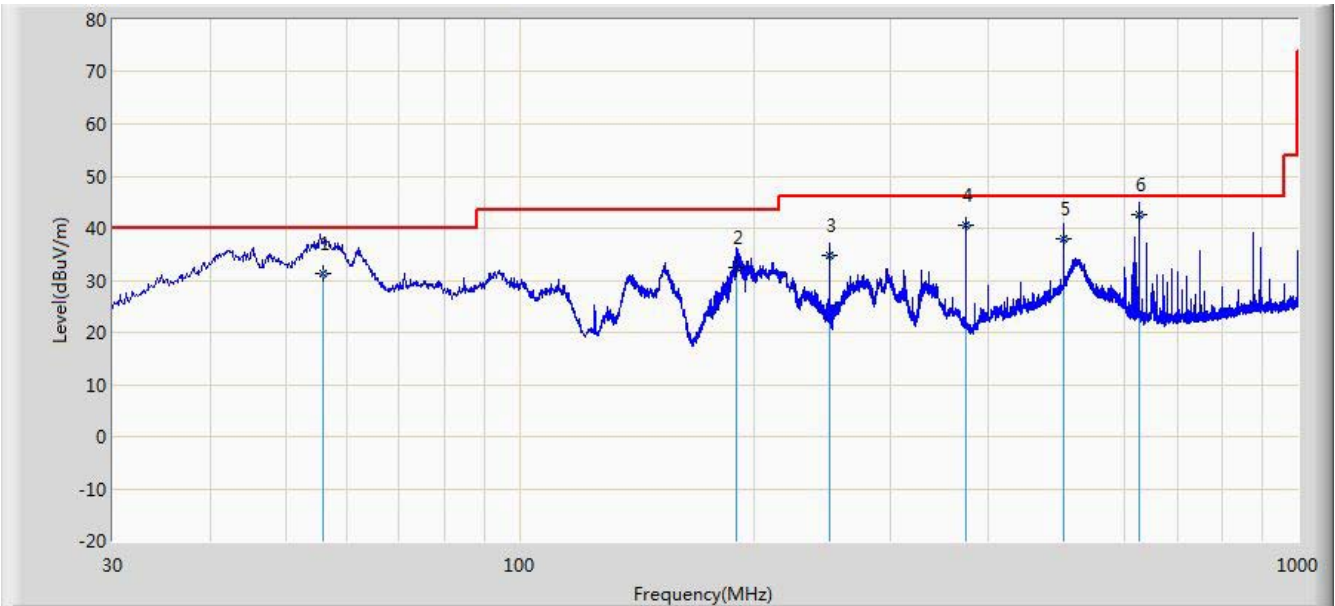
**The worst case of Radiated Emission below 1GHz:**

Site: AC1	Time: 2014/12/09 - 21:14
Limit: FCC_Part15.109_RE(3m)_ClassB	Engineer: Roy Chen
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode : Transmit at channel 5180MHz by 802.11a	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			190.025	31.694	20.240	-11.806	43.500	11.454	QP
2			296.022	35.274	21.225	-10.726	46.000	14.049	QP
3		*	375.003	43.632	27.900	-2.368	46.000	15.732	QP
4			500.022	37.756	20.014	-8.244	46.000	17.742	QP
5			625.000	36.252	16.530	-9.748	46.000	19.722	QP
6			640.020	38.242	18.365	-7.758	46.000	19.877	QP

Site: AC1	Time: 2014/12/09 - 21:23
Limit: FCC_Part15.109_RE(3m)_ClassB	Engineer: Roy Chen
Probe: VULB9162_0.03-8GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode : Transmit at channel 5180MHz by 802.11a	

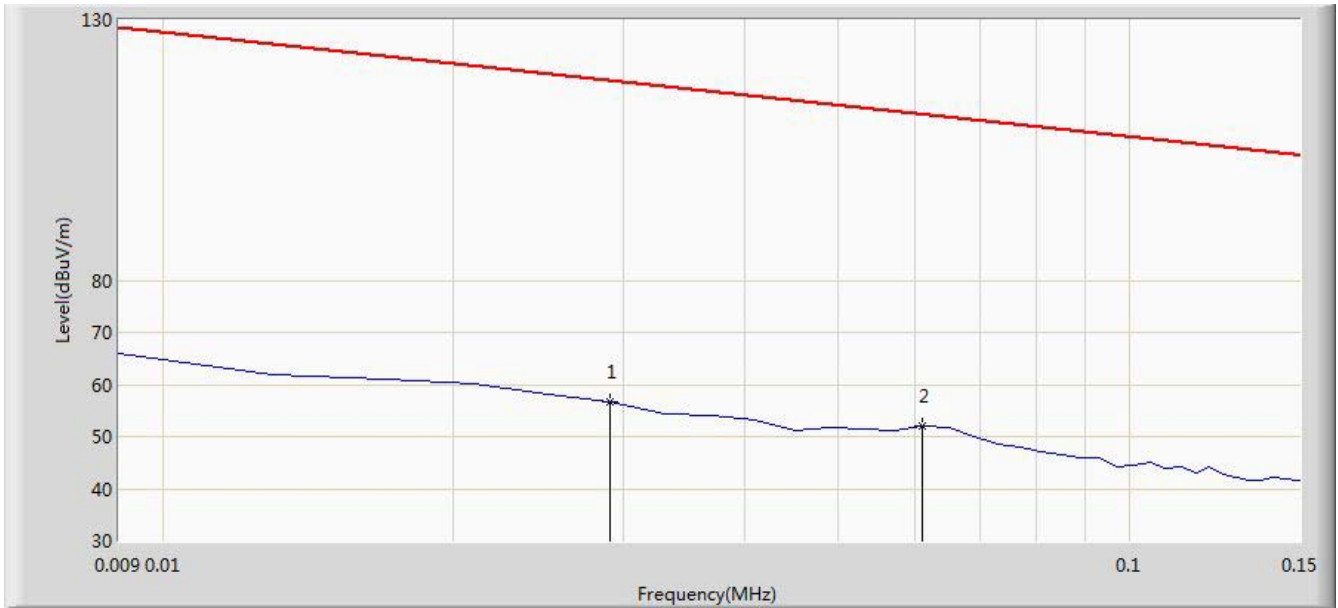


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			55.977	31.444	17.100	-8.556	40.000	14.344	QP
2			190.150	32.411	20.950	-11.089	43.500	11.461	QP
3			250.010	34.800	21.520	-11.200	46.000	13.279	QP
4			375.021	40.584	24.852	-5.416	46.000	15.732	QP
5			500.053	37.956	20.214	-8.044	46.000	17.742	QP
6		*	625.003	42.708	22.986	-3.292	46.000	19.722	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

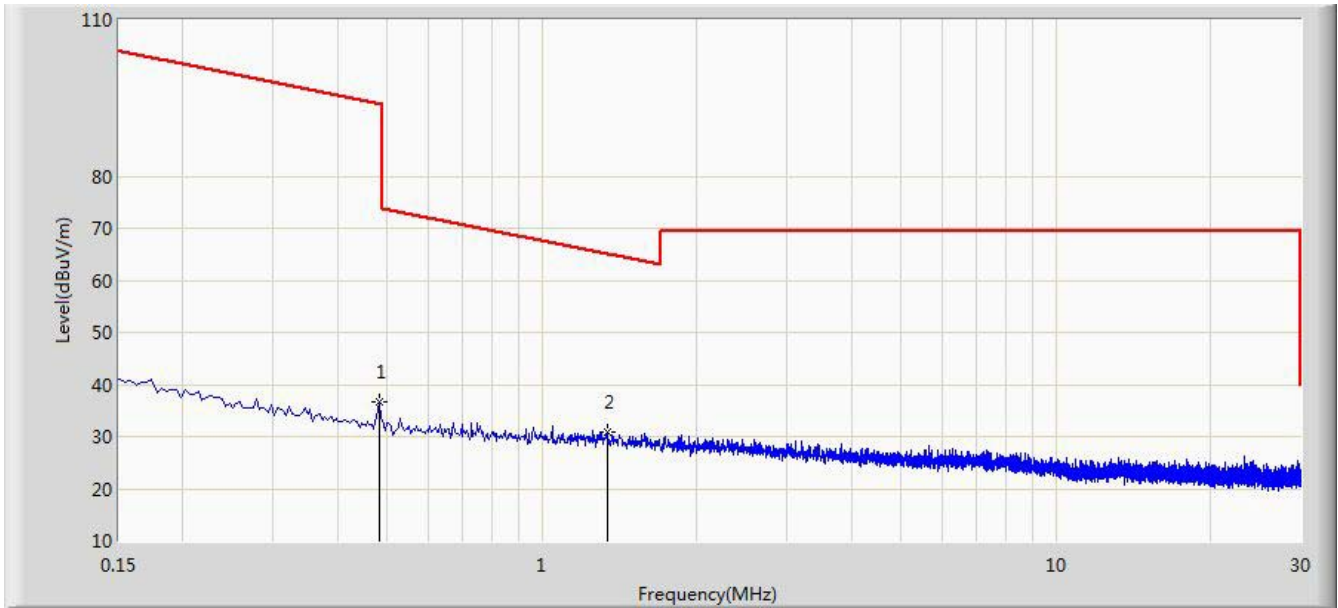


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.029	56.610	35.660	-61.732	118.342	21.049	QP
2		*	0.061	51.899	31.588	-59.988	111.887	20.311	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: FMZB1519_0.009-30MHz	Polarity: Face on
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 9kHz~30MHz.</b>	

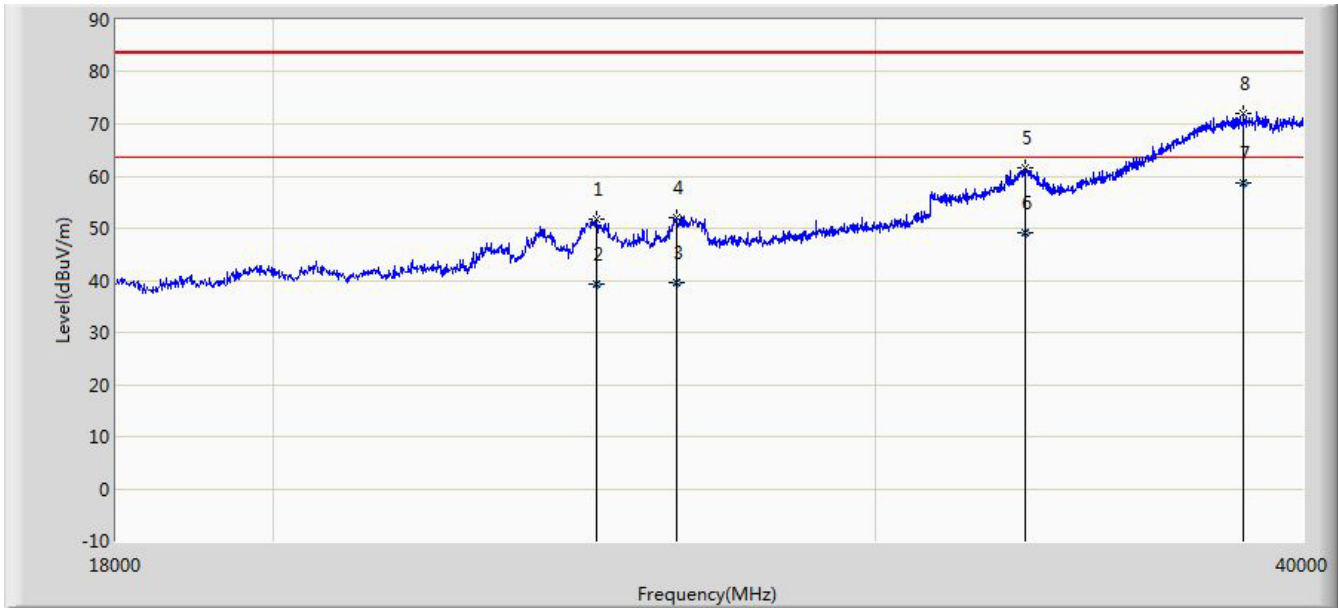


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			0.482	36.584	16.183	-57.359	93.943	20.401	QP
2		*	1.338	31.001	10.512	-34.098	65.099	20.489	QP

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 21:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18GHz~40GHz.</b>	

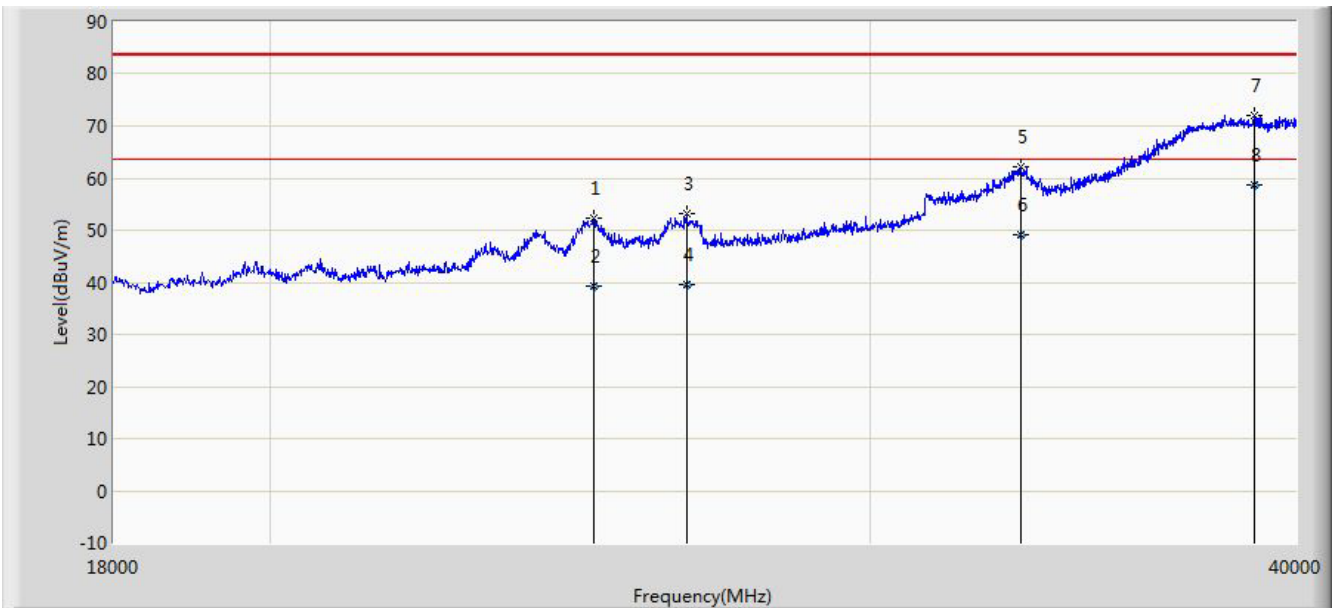


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			24864.000	51.836	37.061	-31.664	83.500	14.775	PK
2			24864.088	39.225	24.450	-24.275	63.500	14.775	AV
3			26260.988	39.469	24.050	-24.031	63.500	15.419	AV
4			26261.000	51.956	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 (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

Site: AC1	Time: 2014/12/02 - 21:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
<b>Note: There is the ambient noise within frequency range 18GHz~40GHz.</b>	



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 (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)



## 7.9. Radiated Restricted Band Edge Measurement

### 7.9.1. Test Limit

#### **For 15.205 requirement:**

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

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

#### **For 15.407(b) requirement:**

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

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

Operating Frequency Band (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBuV/m)
5150 - 5250	-27	68.2
5725 - 5850	-17	78.2
	-27	68.2

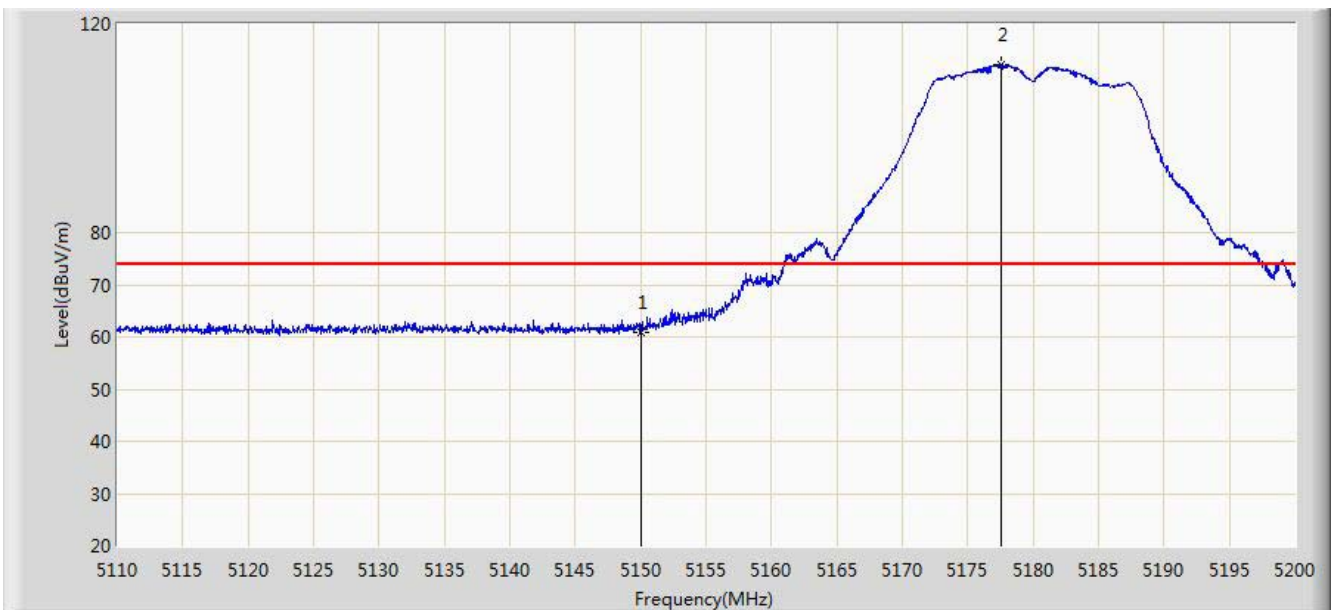
Note: Refer to KDB 789033 D02v01 G)2)c), as specified in § 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a maximum emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in § 15.407(b)(4)). However, an out-of-band emission that complies with both the 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

### 7.9.2. Test Result of Radiated Restricted Band Edge

Site: AC1	Time: 2014/12/02 - 19:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a	

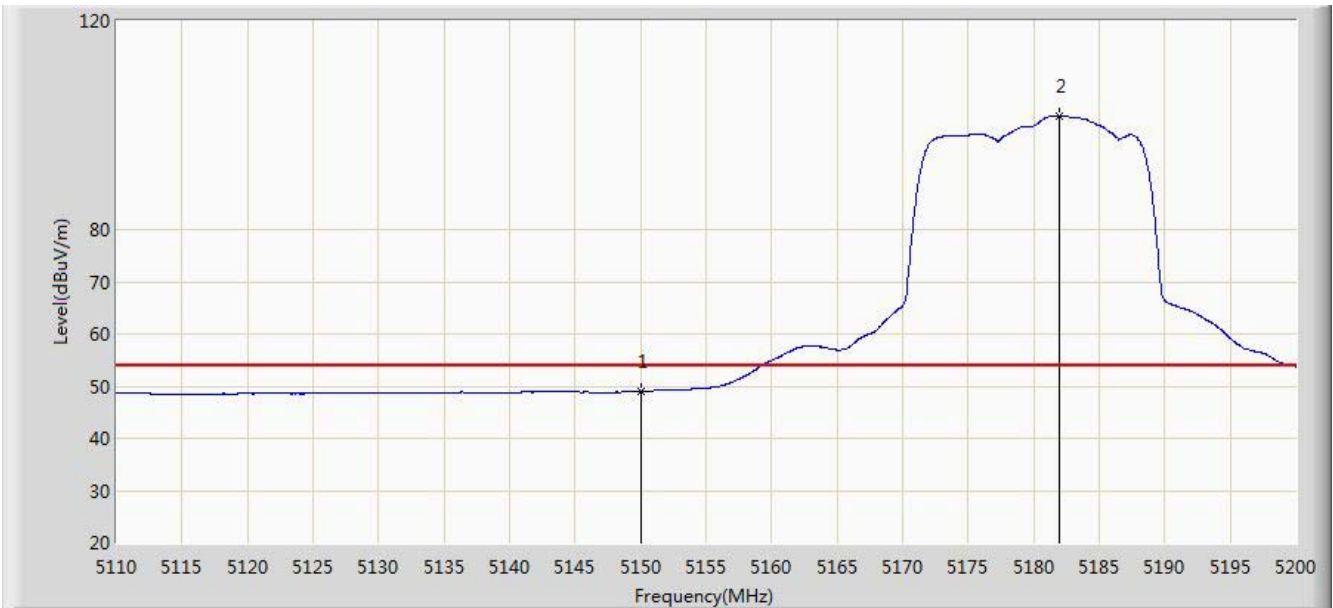


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	61.004	24.252	-12.996	74.000	36.752	PK
2		*	5177.590	112.175	75.502	N/A	N/A	36.673	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a	

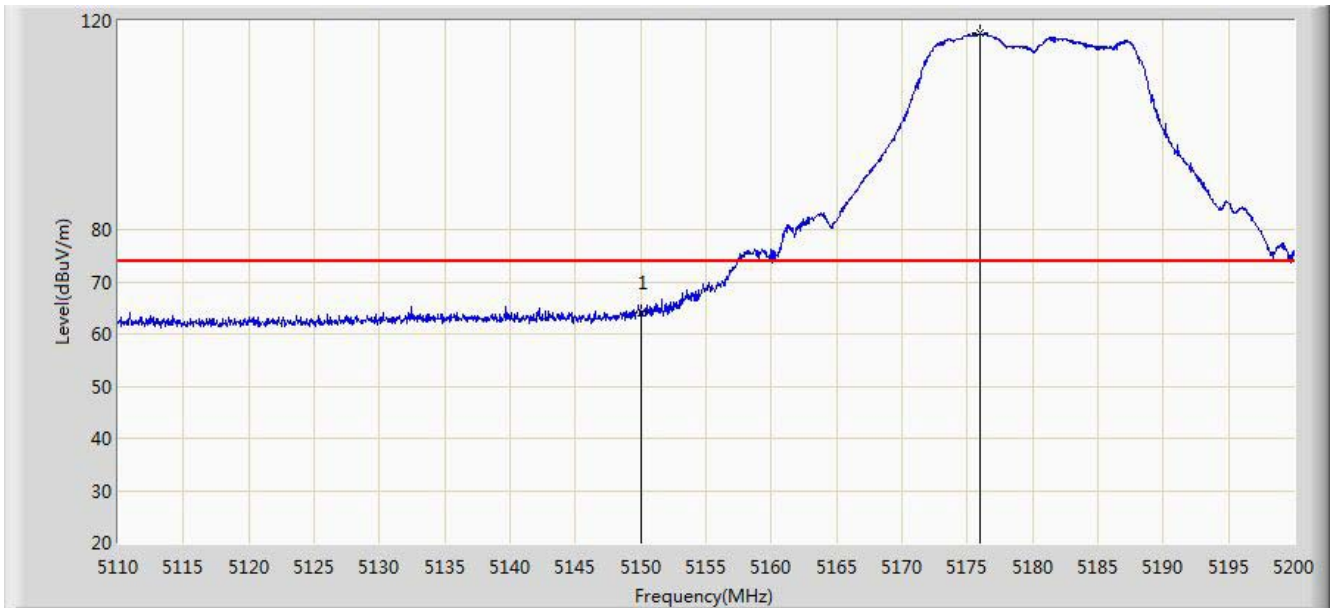


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	48.956	12.204	-5.044	54.000	36.752	AV
2		*	5181.910	101.847	65.188	N/A	N/A	36.660	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a	

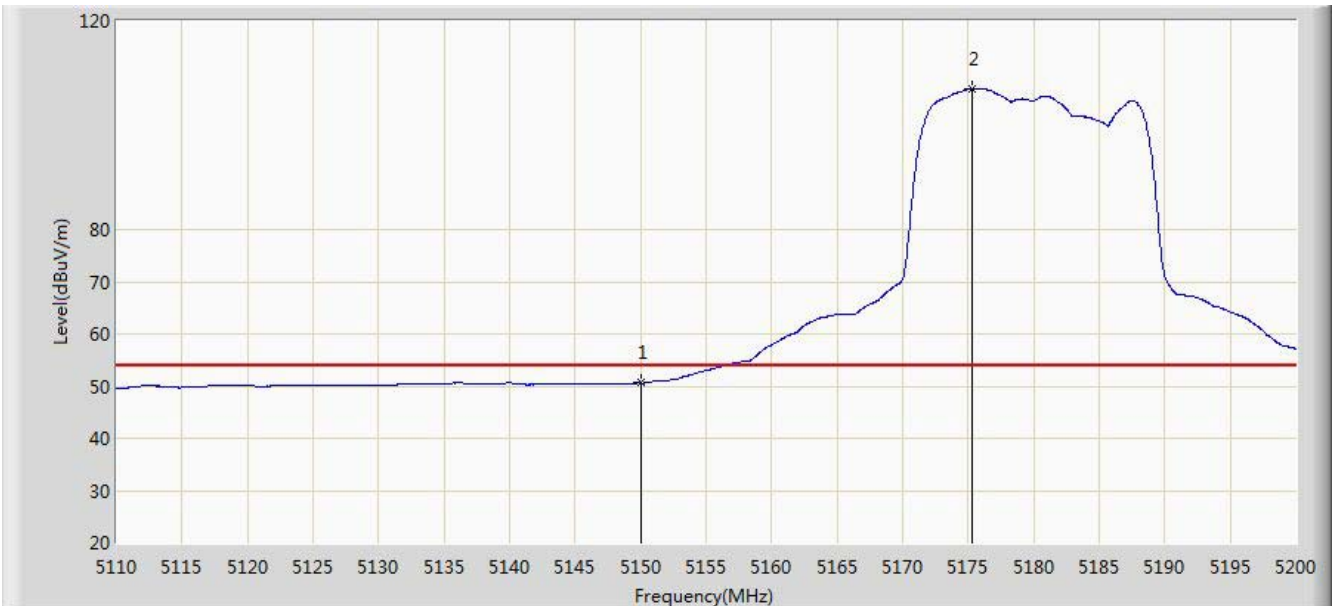


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	64.141	27.389	-9.859	74.000	36.752	PK
2		*	5175.925	117.544	80.866	N/A	N/A	36.678	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11a	

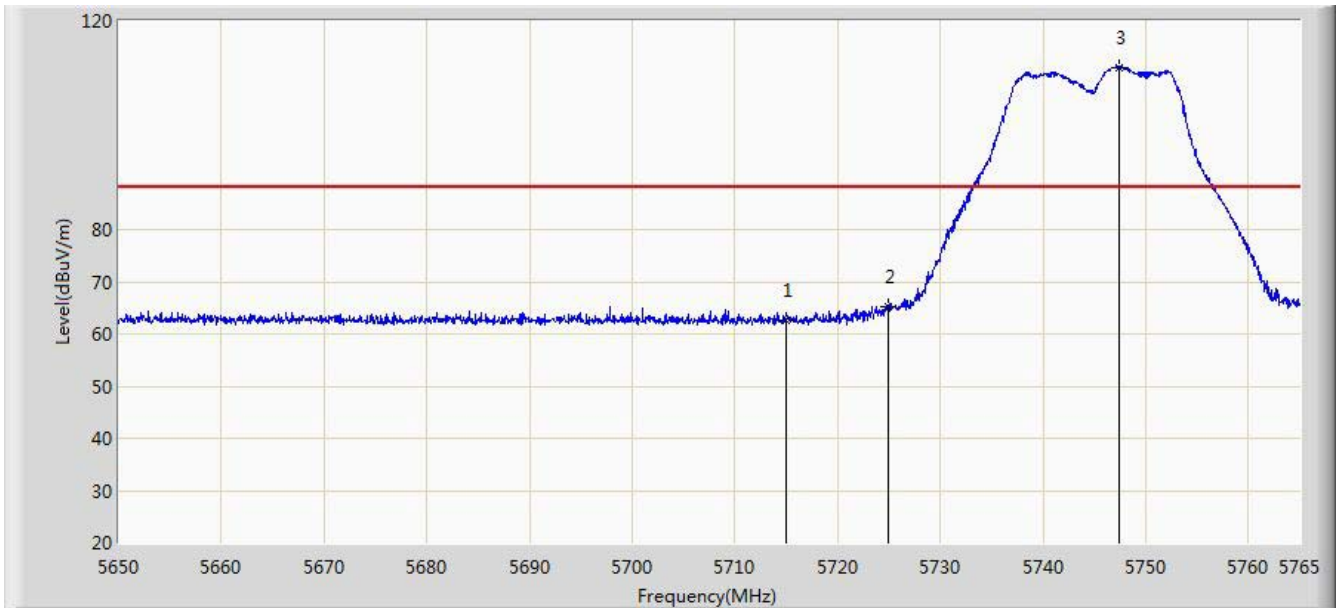


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	50.591	13.839	-3.409	54.000	36.752	AV
2		*	5175.340	106.975	70.295	N/A	N/A	36.680	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a	

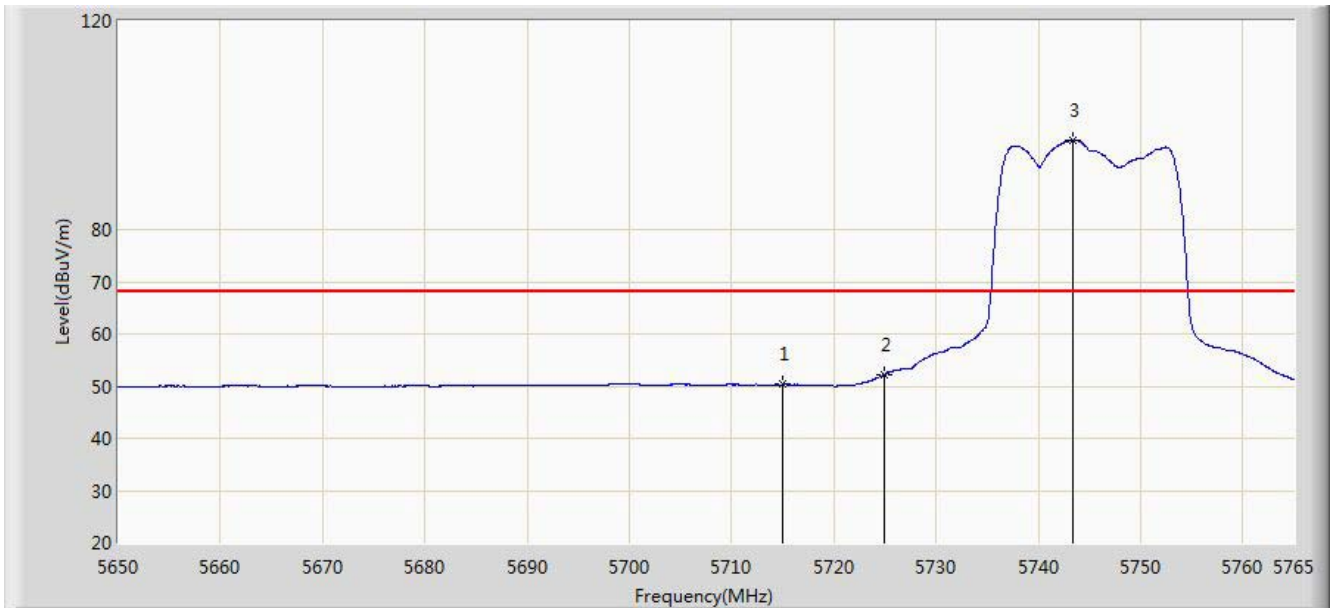


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	62.491	25.224	-25.709	88.200	37.267	PK
2			5725.000	65.350	28.045	-32.850	98.200	37.305	PK
3		*	5747.348	111.158	73.764	N/A	N/A	37.394	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:46
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a	



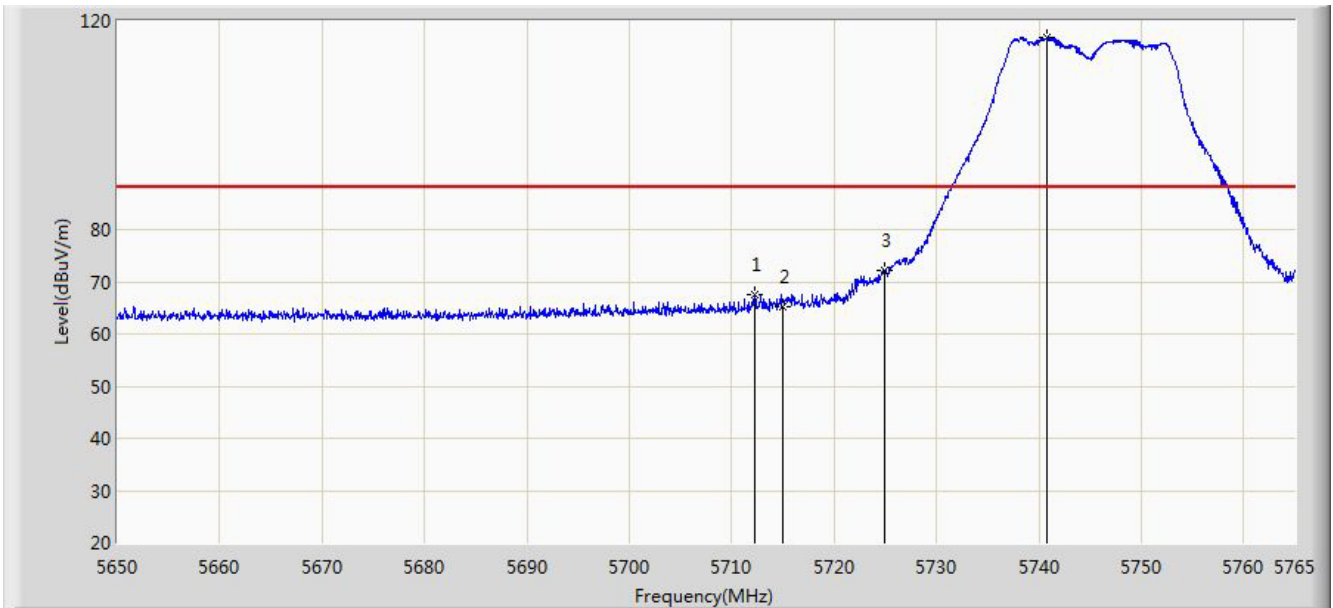
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	50.312	13.045	-17.888	68.200	37.267	AV
2			5725.000	52.272	14.967	-25.928	78.200	37.305	AV
3		*	5743.322	97.079	59.702	N/A	N/A	37.377	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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



Site: AC1	Time: 2014/12/02 - 19:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a	

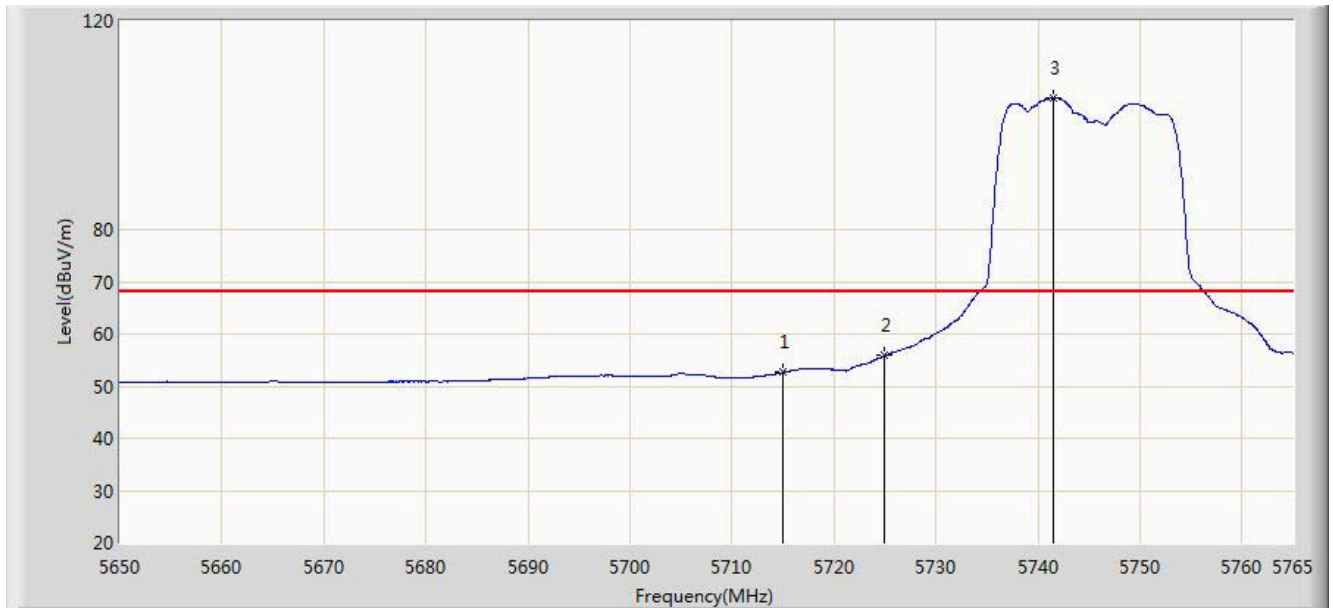


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5712.215	67.577	30.321	-20.623	88.200	37.256	PK
2			5715.000	65.256	27.989	-22.944	88.200	37.267	PK
3			5725.000	72.165	34.860	-26.035	98.200	37.305	PK
4		*	5740.850	116.763	79.395	N/A	N/A	37.368	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11a	

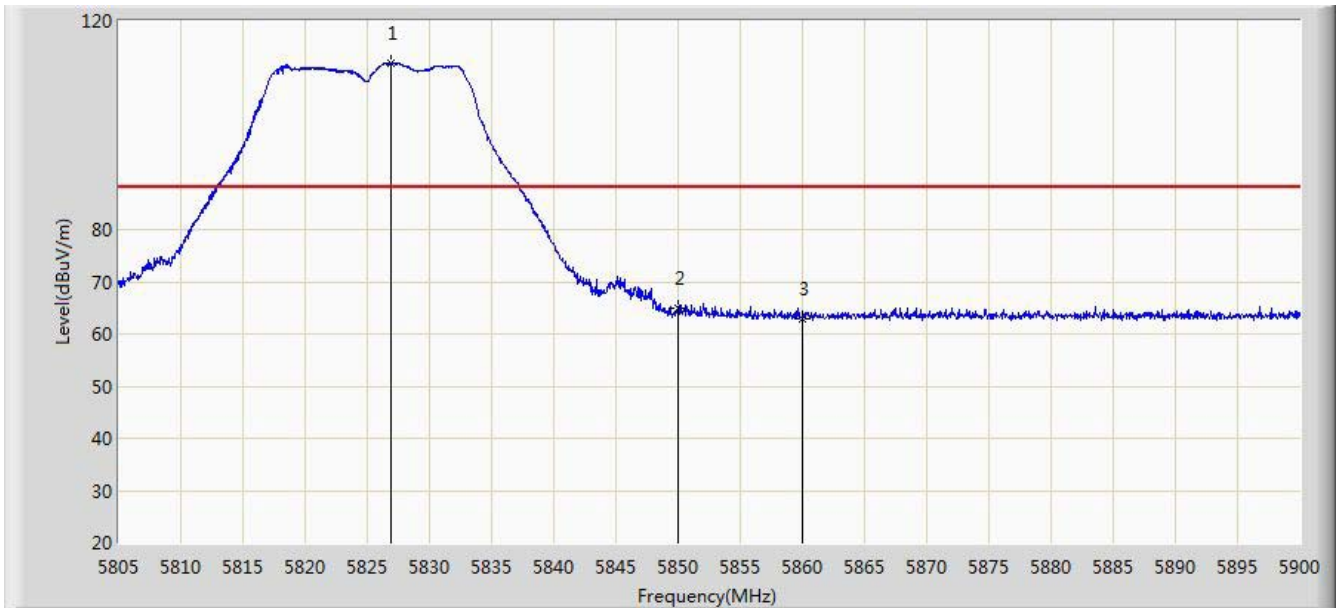


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	52.624	15.357	-15.576	68.200	37.267	AV
2			5725.000	55.882	18.577	-22.318	78.200	37.305	AV
3		*	5741.482	105.289	67.918	N/A	N/A	37.371	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 19:54
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a	

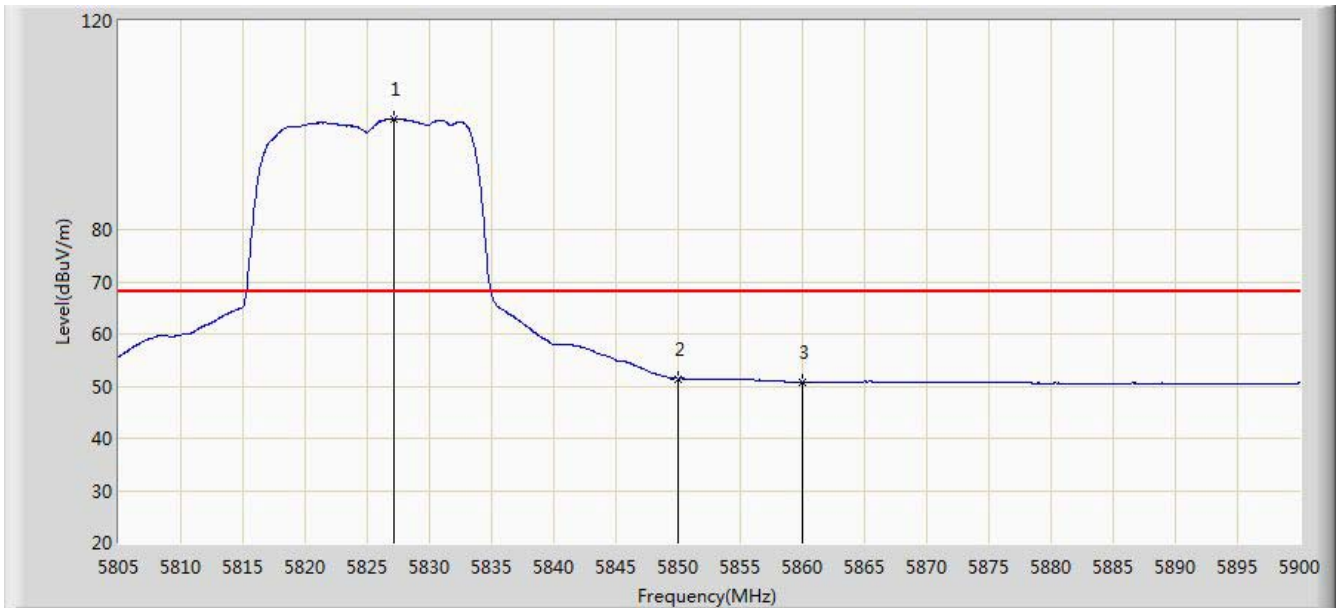


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	5826.945	111.946	74.289	N/A	N/A	37.657	PK
2			5850.000	64.940	27.204	-33.260	98.200	37.736	PK
3			5860.000	62.989	25.215	-25.211	88.200	37.774	PK

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

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

Site: AC1	Time: 2014/12/02 - 20:00
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a	

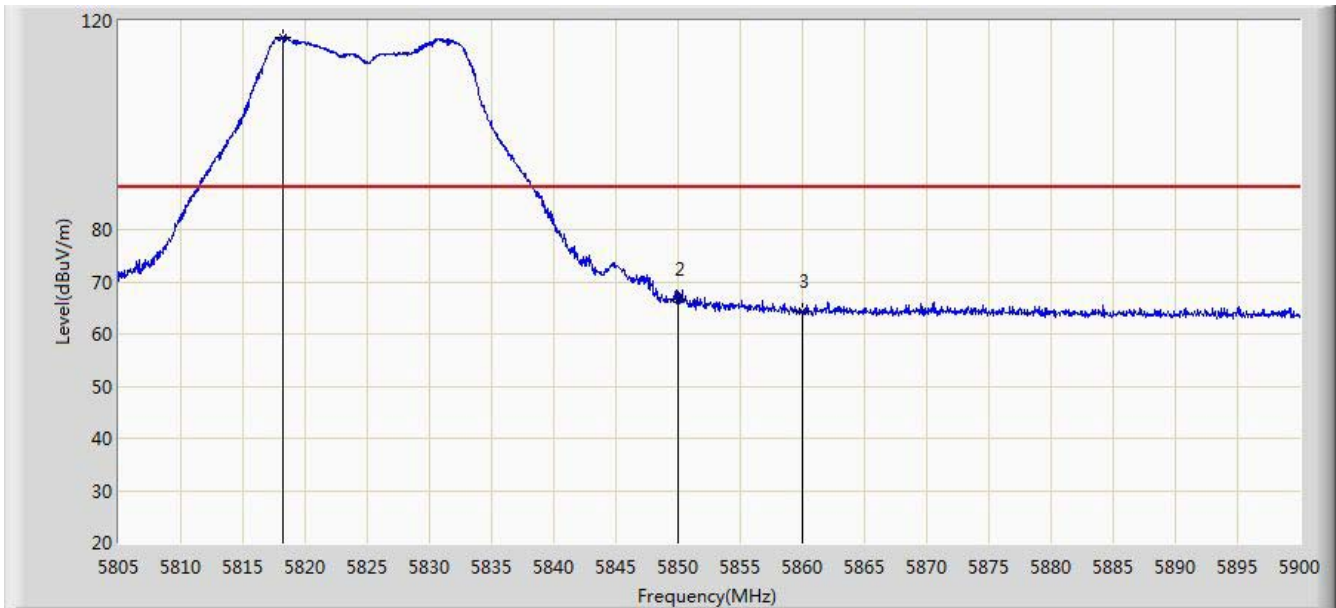


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	5827.135	101.259	63.602	N/A	N/A	37.657	AV
2			5850.000	51.447	13.711	-26.753	78.200	37.736	AV
3			5860.000	50.741	12.967	-17.459	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:03
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a	

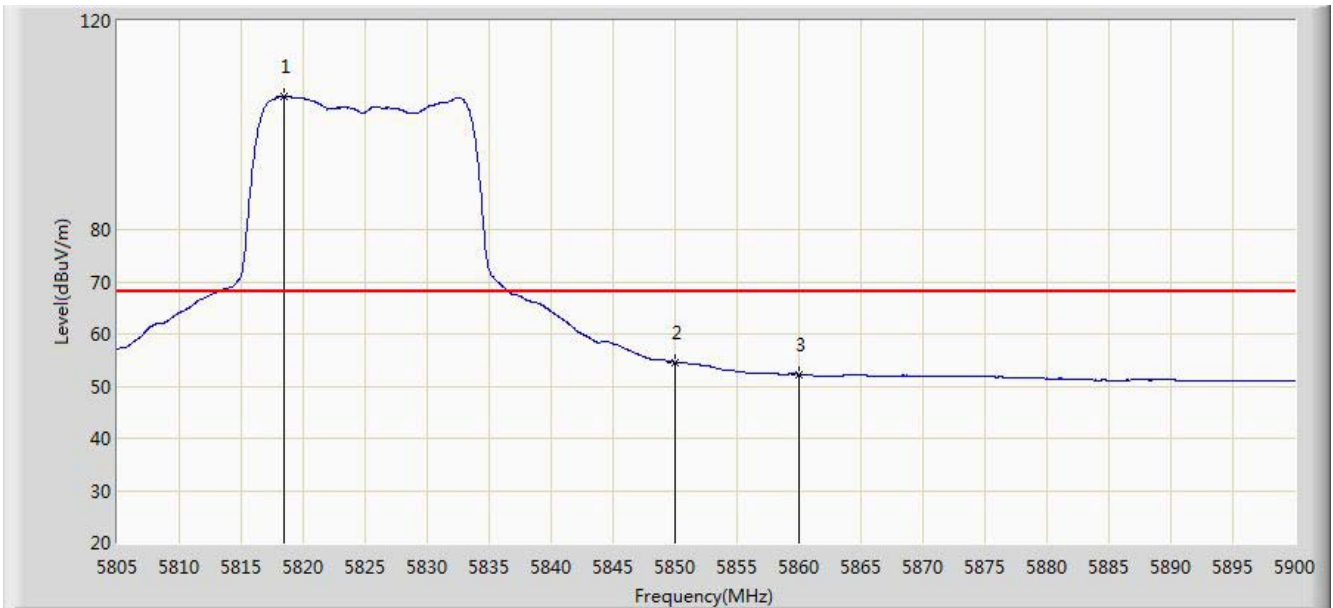


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	5818.158	116.754	79.114	N/A	N/A	37.640	PK
2			5850.000	66.793	29.057	-31.407	98.200	37.736	PK
3			5860.000	64.322	26.548	-23.878	88.200	37.774	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:06
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5825MHz by 802.11a	

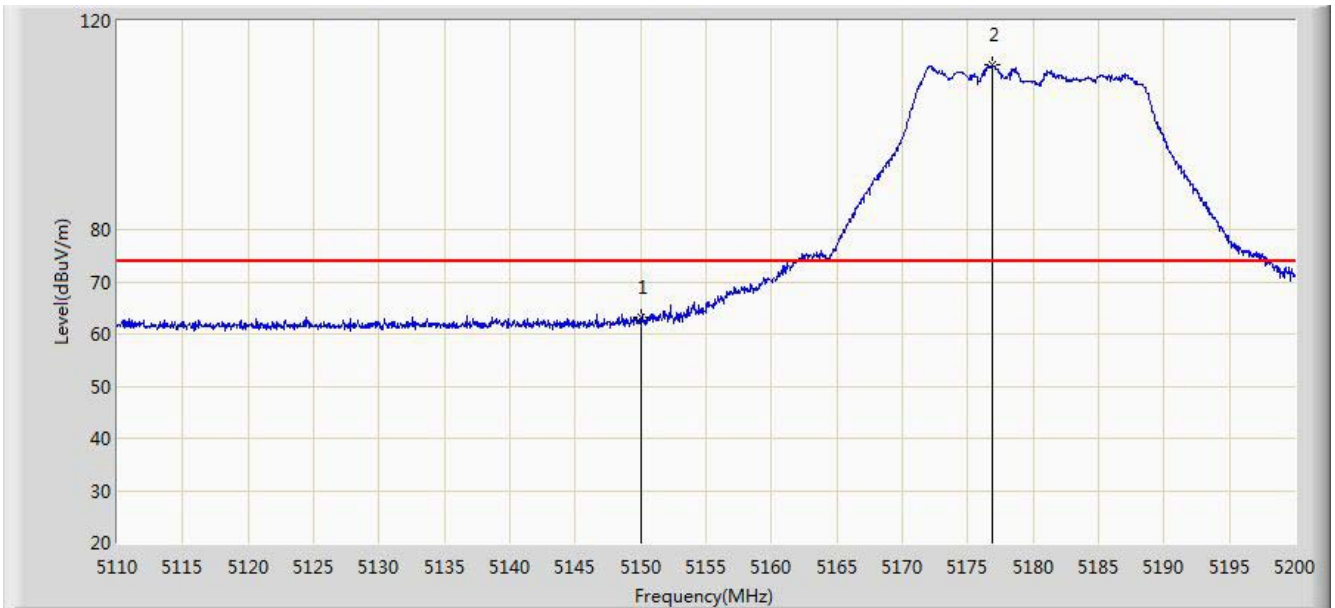


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	5818.395	105.648	68.007	N/A	N/A	37.641	AV
2			5850.000	54.605	16.869	-23.595	78.200	37.736	AV
3			5860.000	52.278	14.504	-15.922	68.200	37.774	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:13
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20	

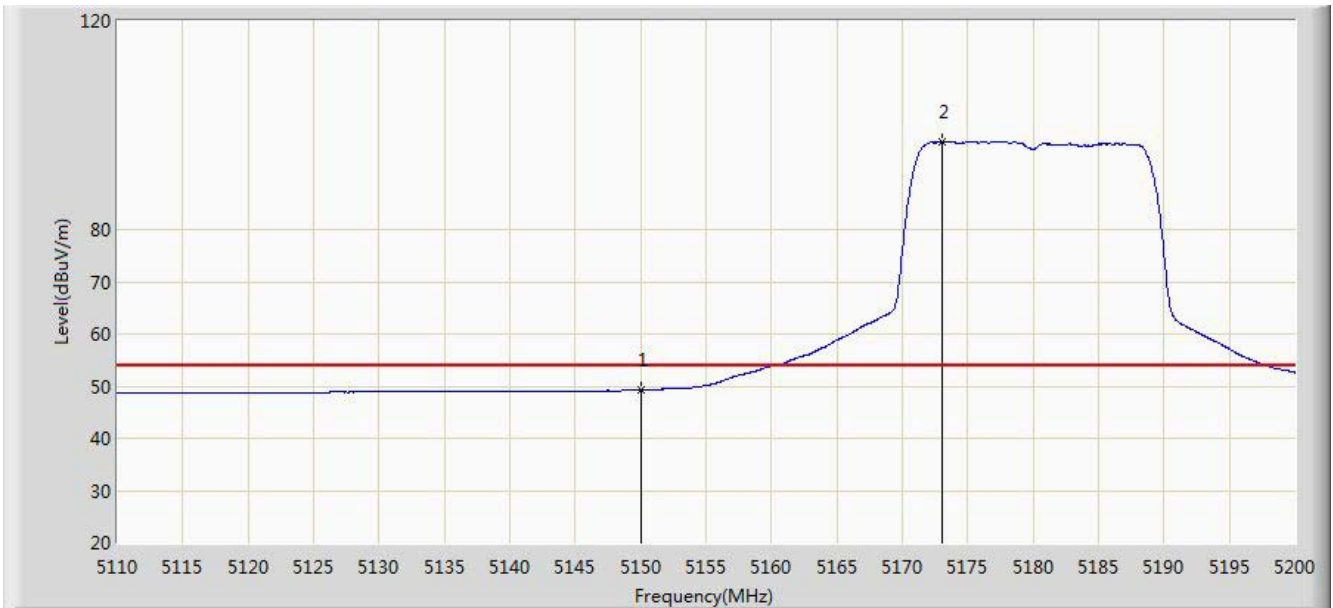


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	63.065	26.313	-10.935	74.000	36.752	PK
2		*	5176.870	111.464	74.789	N/A	N/A	36.675	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20	



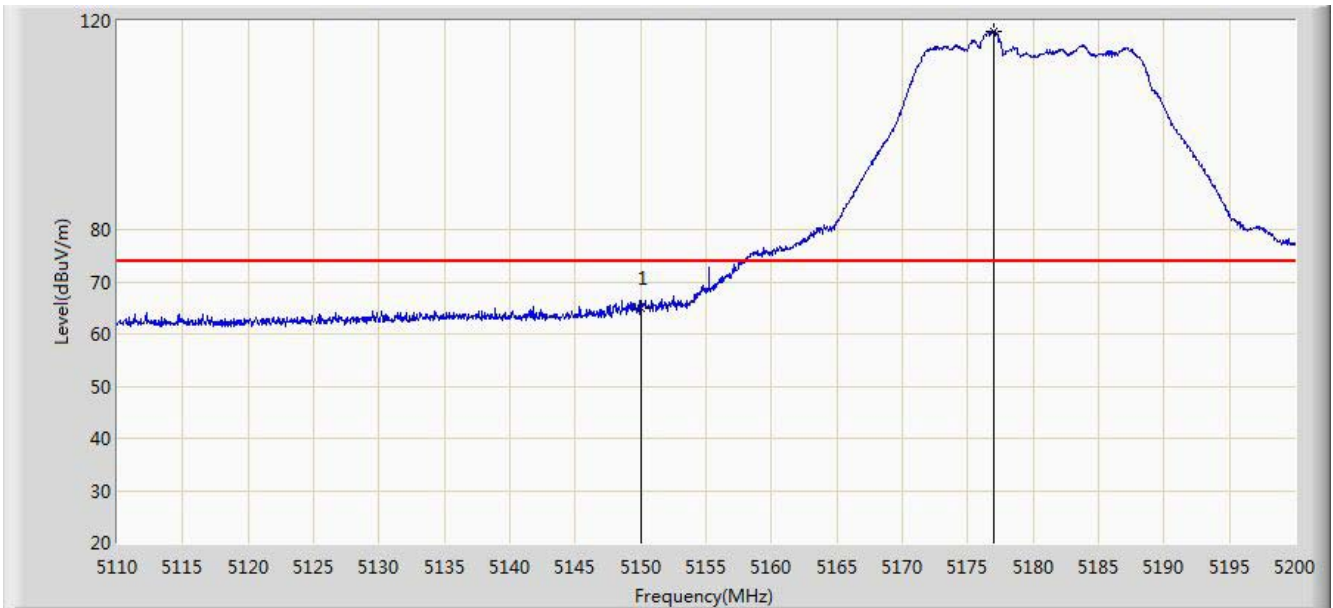
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	49.240	12.488	-4.760	54.000	36.752	AV
2		*	5173.090	96.945	60.258	N/A	N/A	36.687	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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



Site: AC1	Time: 2014/12/02 - 20:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20	

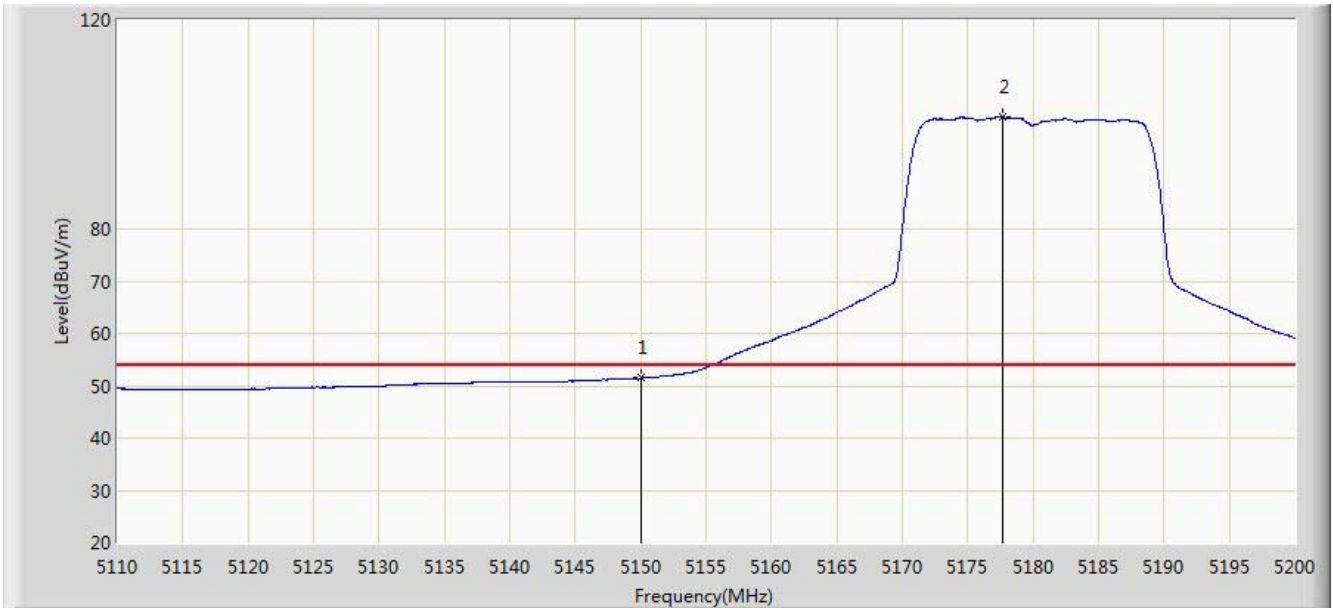


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	64.882	28.130	-9.118	74.000	36.752	PK
2		*	5177.005	118.104	81.429	N/A	N/A	36.675	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5180MHz by 802.11n-HT20	

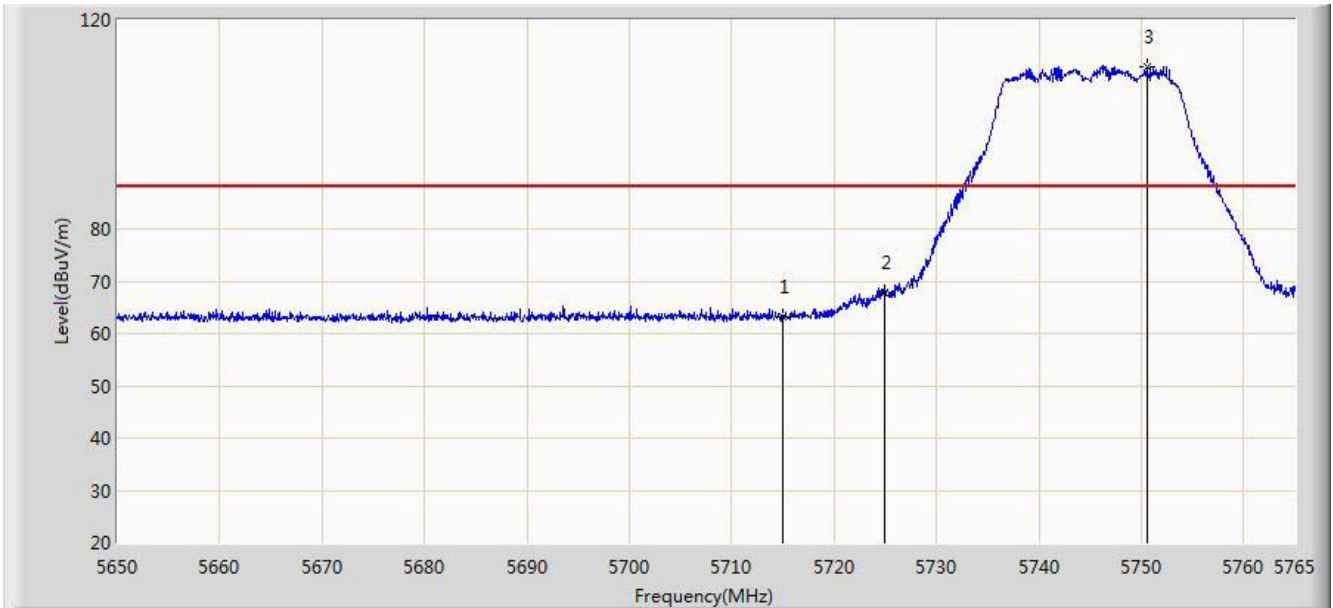


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5150.000	51.472	14.720	-2.528	54.000	36.752	AV
2		*	5177.680	101.441	64.768	N/A	N/A	36.673	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:24
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20	

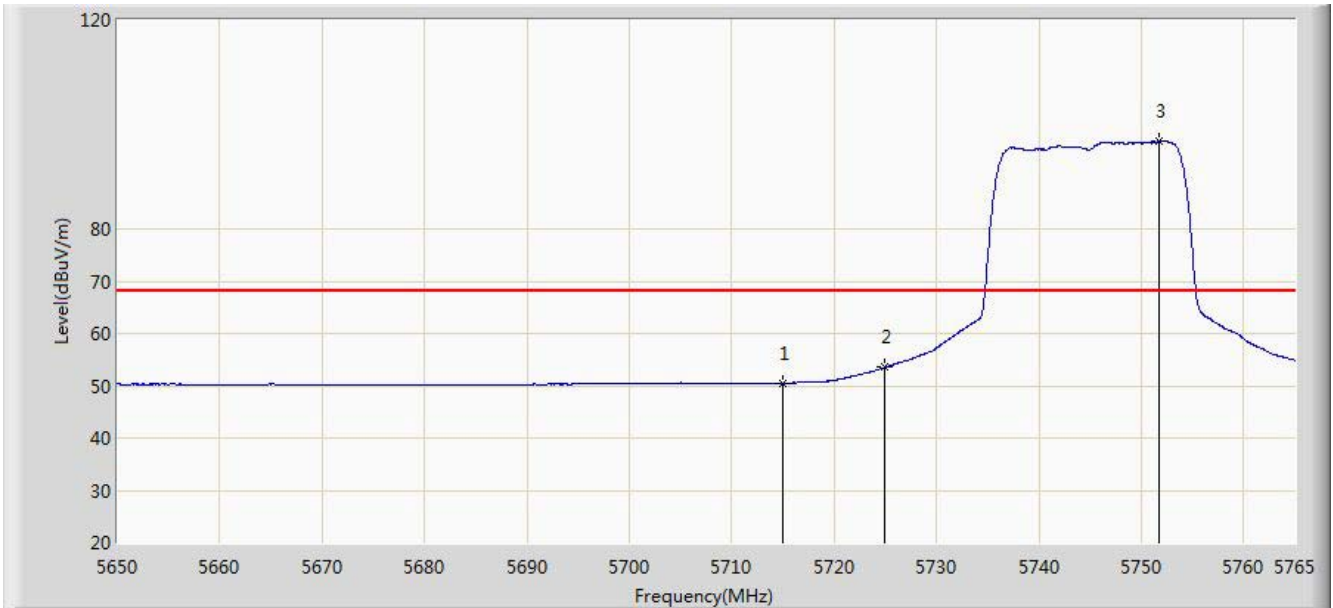


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	63.229	25.962	-24.971	88.200	37.267	PK
2			5725.000	67.799	30.494	-30.401	98.200	37.305	PK
3		*	5750.567	111.152	73.745	N/A	N/A	37.406	PK

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:26
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20	

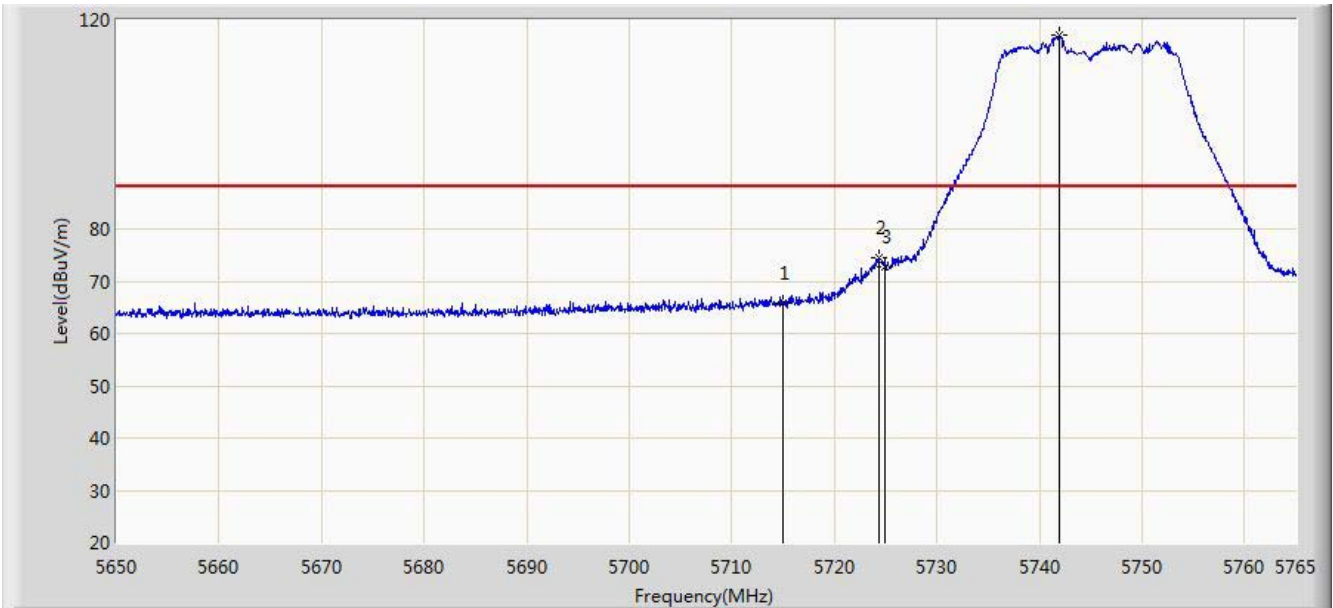


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	50.474	13.207	-17.726	68.200	37.267	AV
2			5725.000	53.520	16.215	-24.680	78.200	37.305	AV
3		*	5751.717	96.761	59.350	N/A	N/A	37.411	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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

Site: AC1	Time: 2014/12/02 - 20:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20	

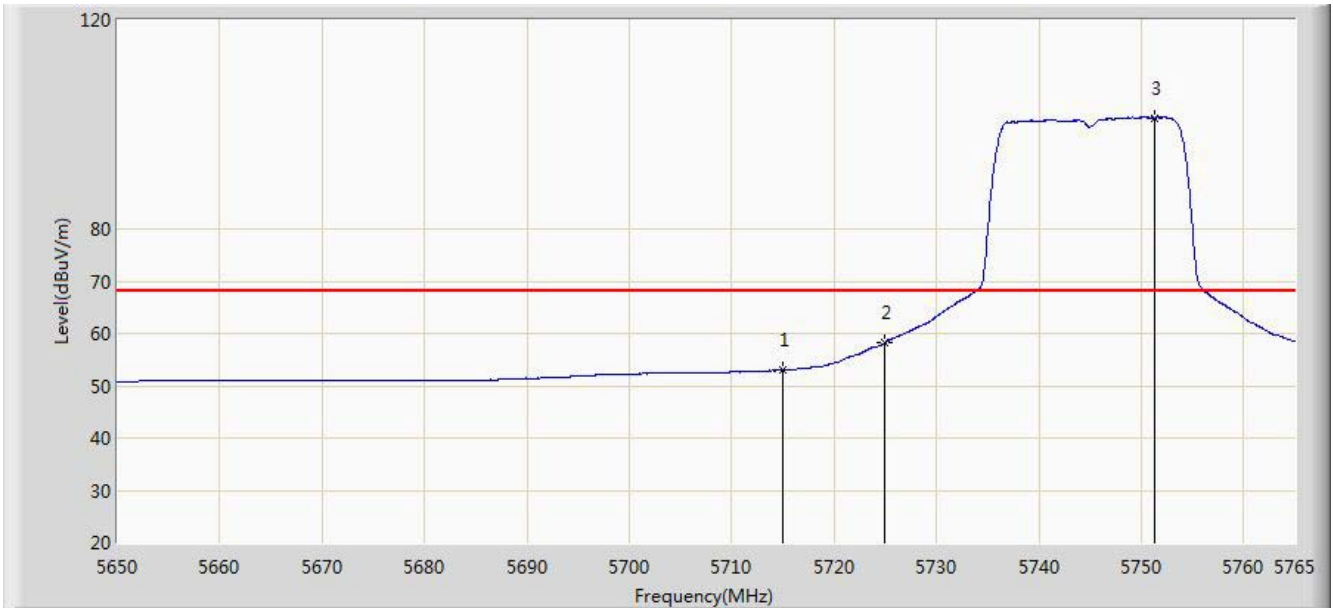


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	65.807	28.540	-22.393	88.200	37.267	PK
2			5724.348	74.417	37.115	-23.783	98.200	37.302	PK
3			5725.000	72.727	35.422	-25.473	98.200	37.305	PK
4		*	5741.885	117.021	79.649	N/A	N/A	37.372	PK

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

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

Site: AC1	Time: 2014/12/02 - 20:29
Limit: FCC_Part15.407_RE(3m)	Engineer: Roy Cheng
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: WCB6200Q - 802.11ac Wireless Ethernet Bridge with Bonded LAN MoCA	Power: AC 120V/60Hz
Test Mode: Transmit at channel 5745MHz by 802.11n-HT20	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			5715.000	53.002	15.735	-15.198	68.200	37.267	AV
2			5725.000	58.230	20.925	-19.970	78.200	37.305	AV
3		*	5751.373	101.280	63.870	N/A	N/A	37.410	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB)

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