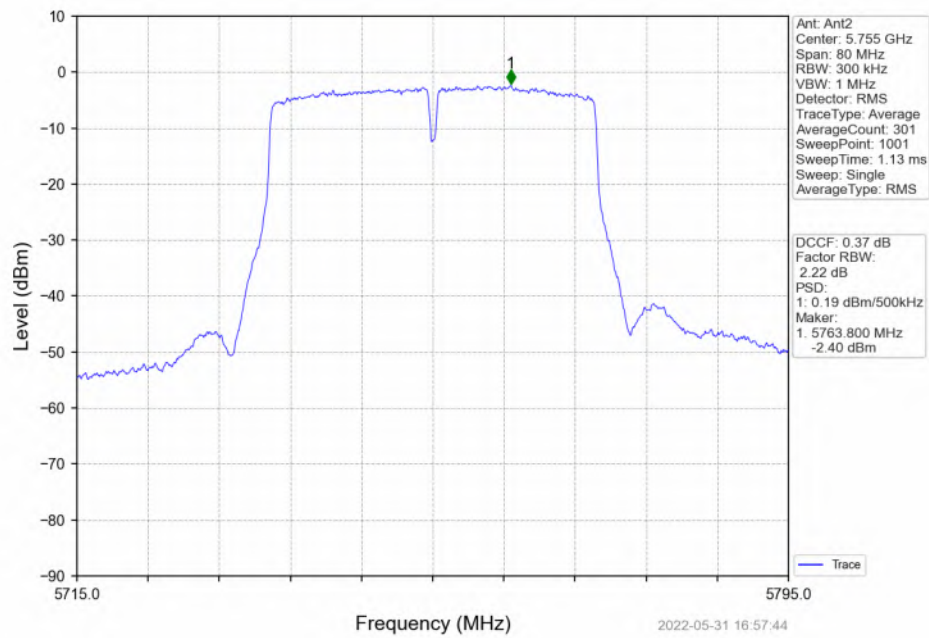
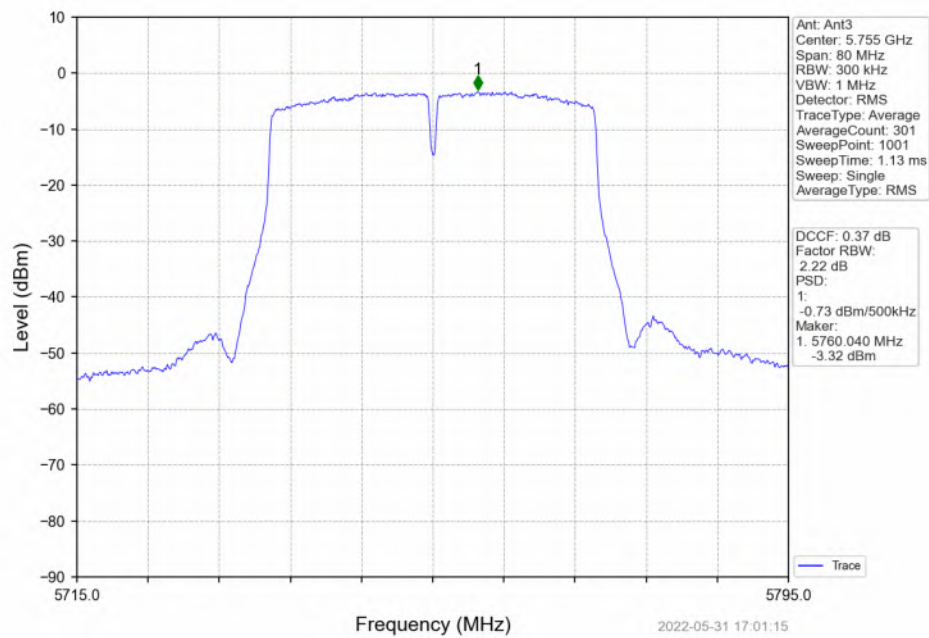


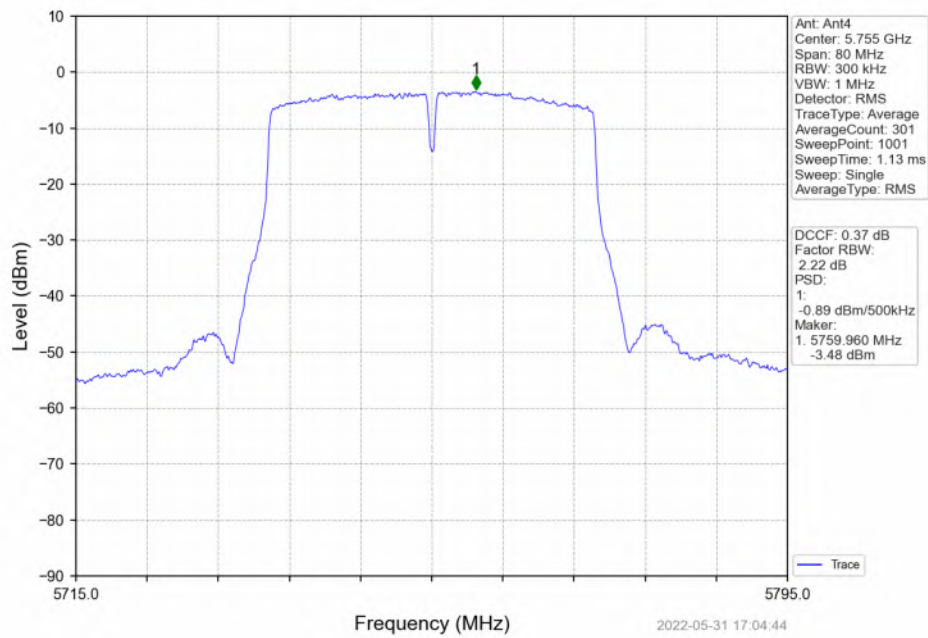
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



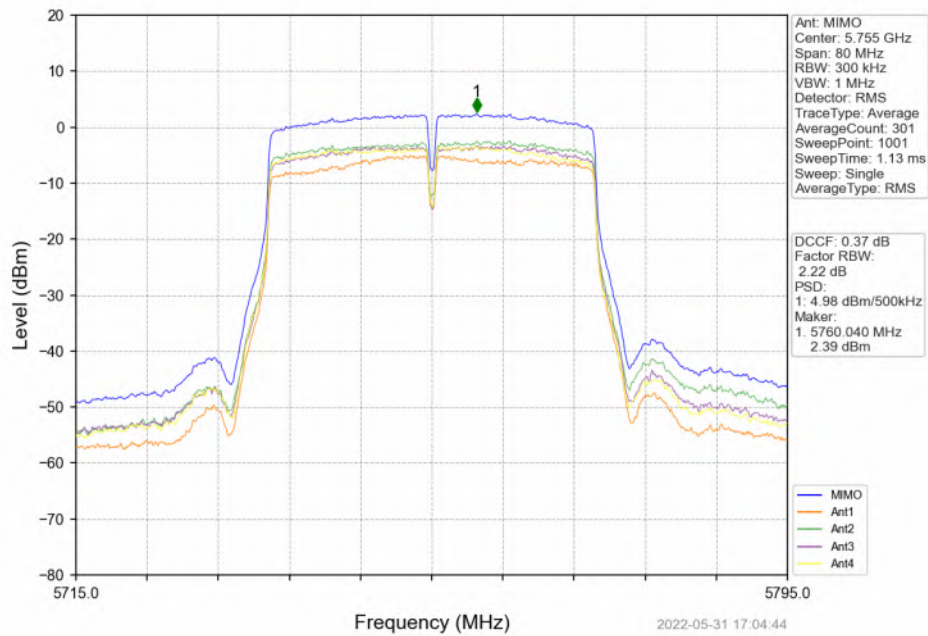
## 802.11ac(VHT40)\_LCH\_5755MHz\_Ant3\_NTNV



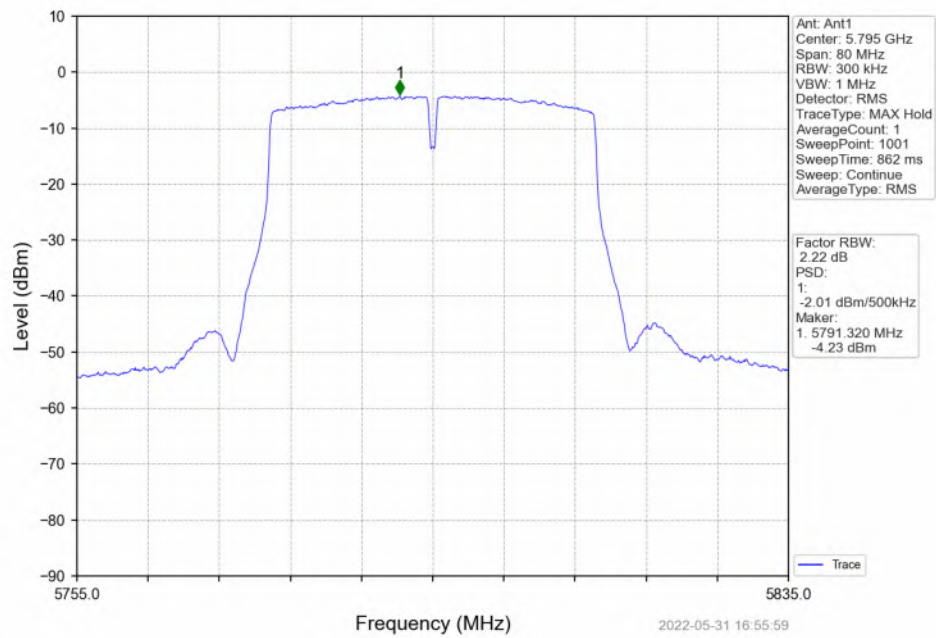
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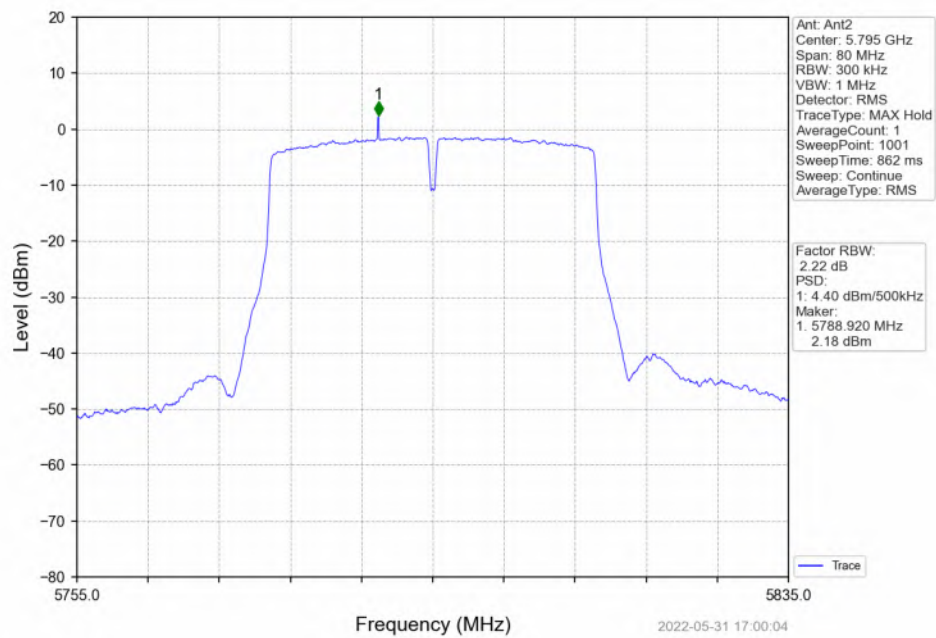
## 802.11ac(VHT40)\_LCH\_5755MHz\_MIMO\_NTNV



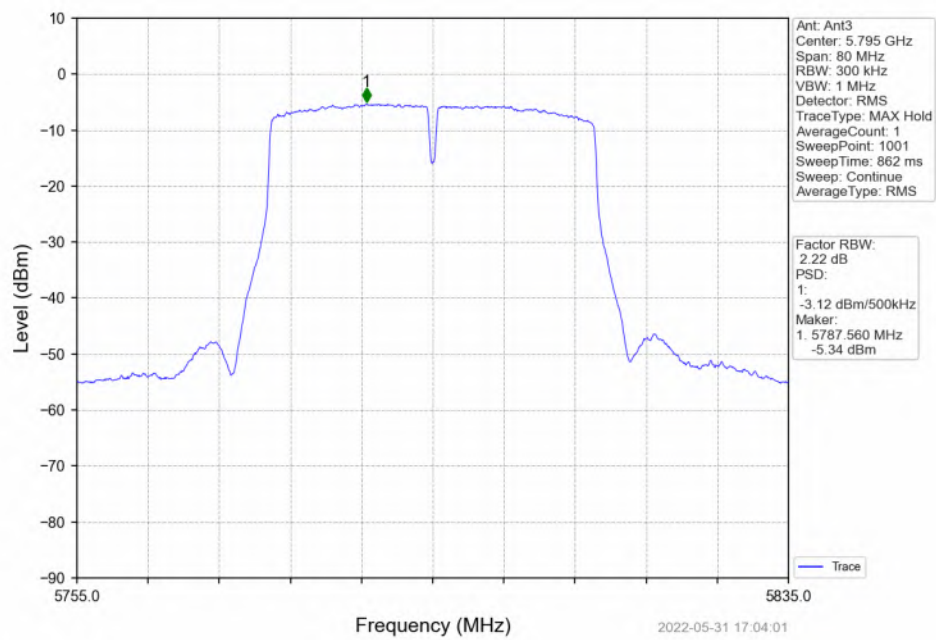
## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



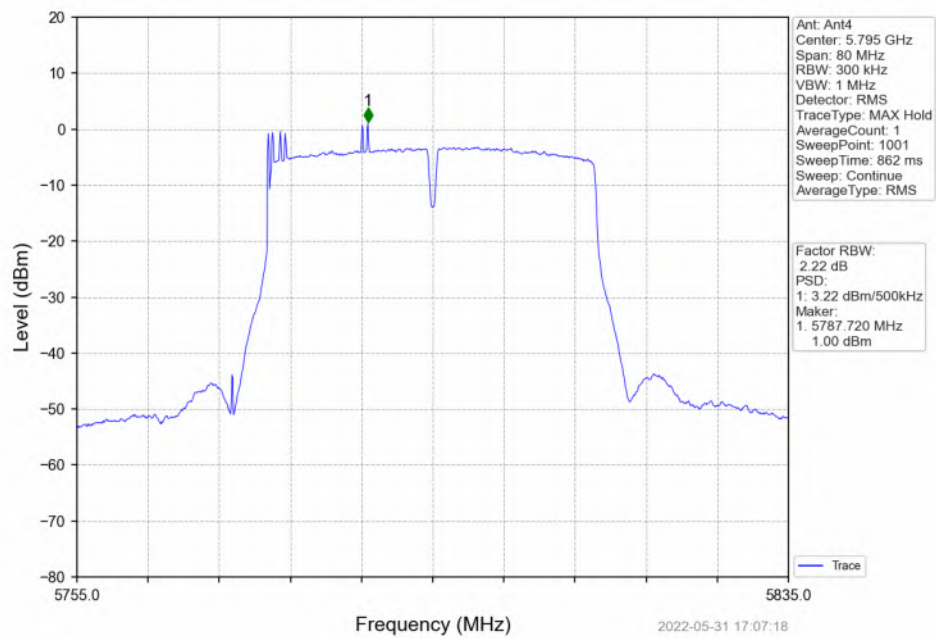
## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



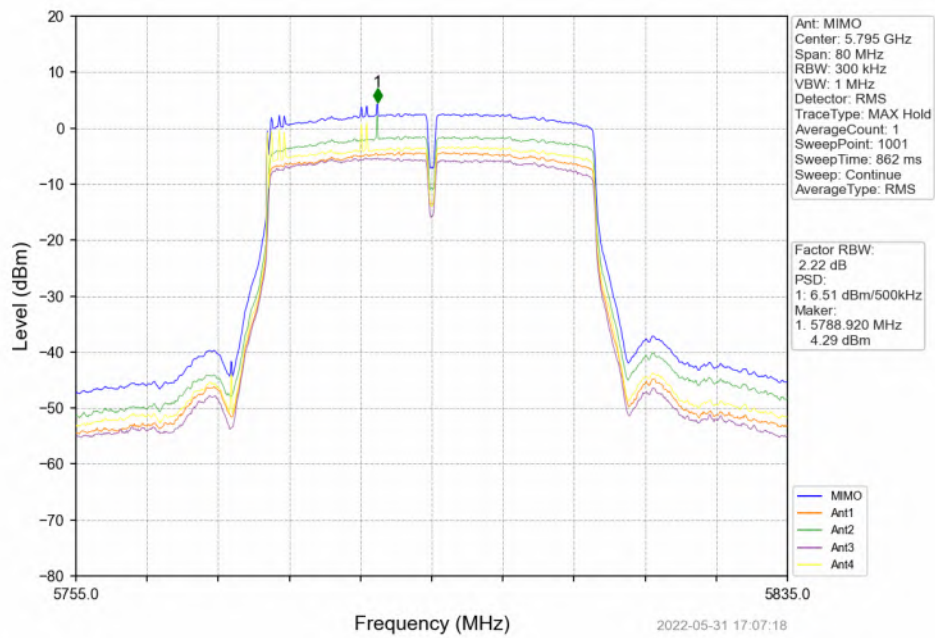
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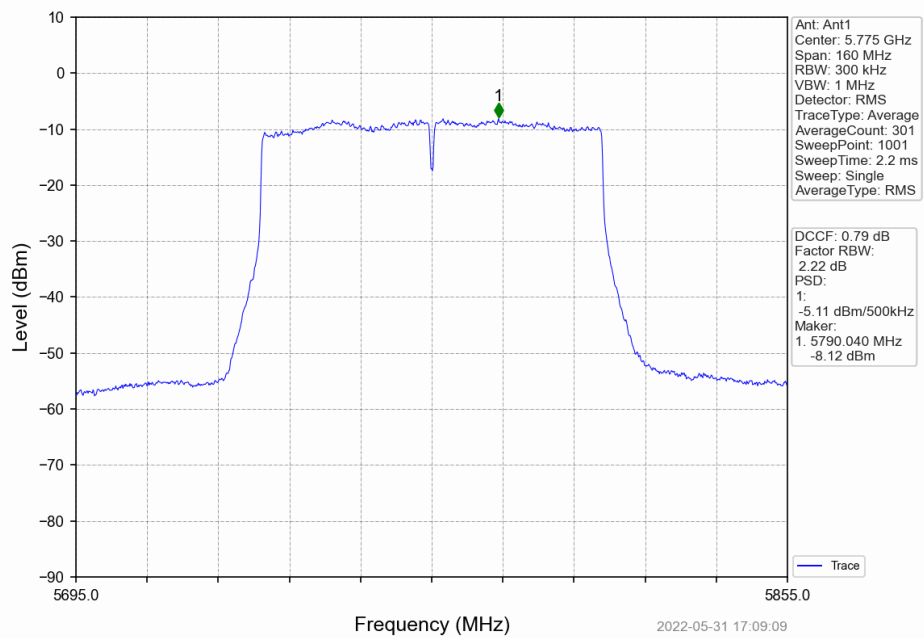
## 802.11ac(VHT40)\_HCH\_5795MHz\_Ant4\_NTNV



## 802.11ac(VHT40)\_HCH\_5795MHz\_MIMO\_NTNV

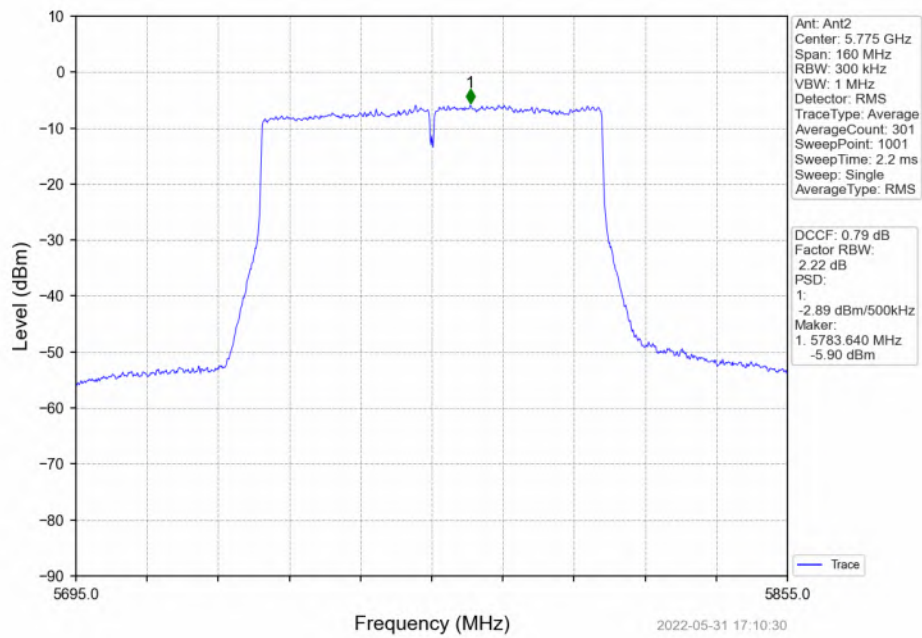


## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

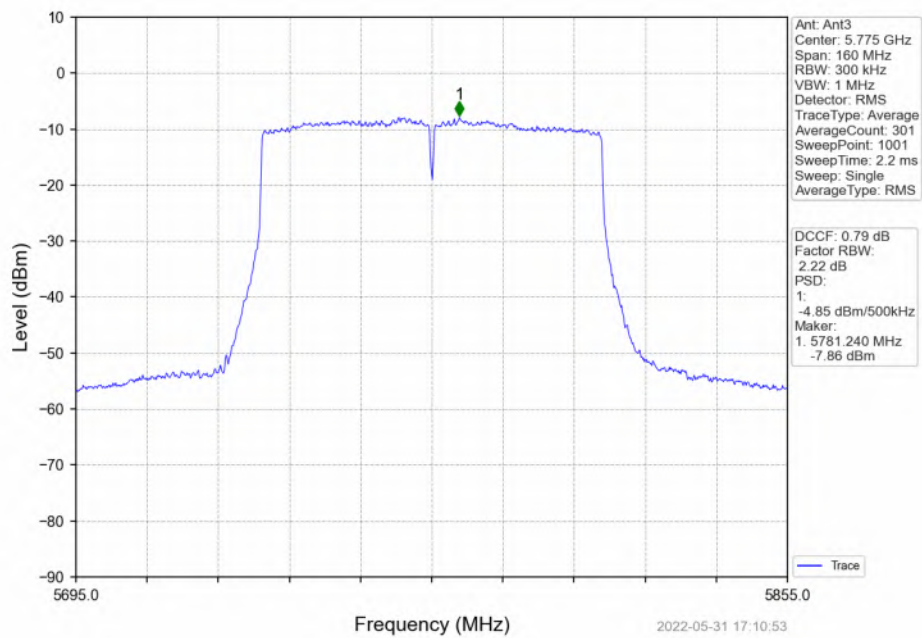




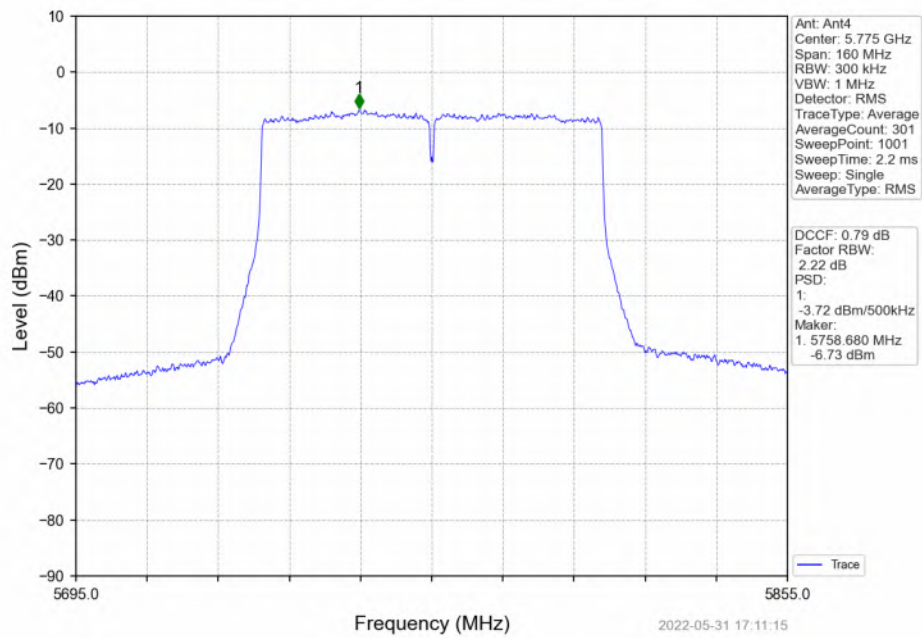
## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



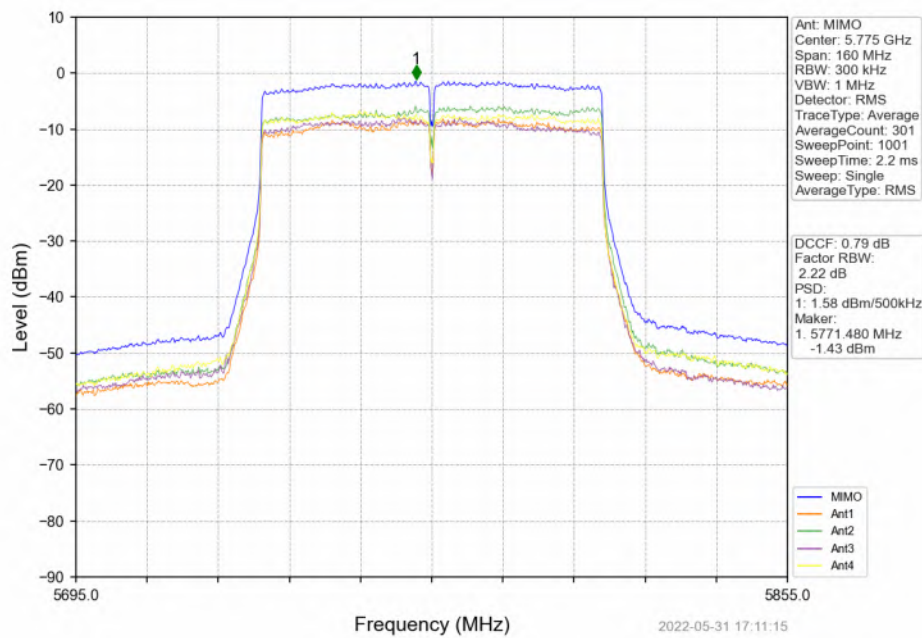
## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant3\_NTNV



## 802.11ac(VHT80)\_MCH\_5775MHz\_Ant4\_NTNV



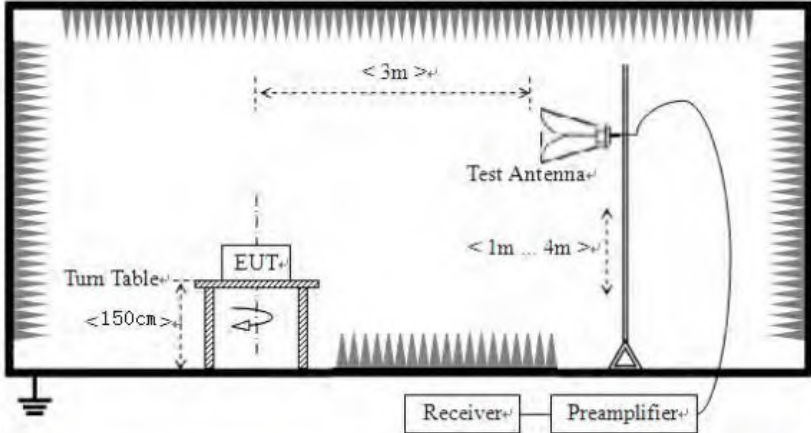
## 802.11ac(VHT80)\_MCH\_5775MHz\_MIMO\_NTNV



#### 4.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205																								
Test Method:	ANSI C63.10:2013																								
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)																								
Receiver setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>100KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr><tr><td>AV</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr></table>					Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	AV	1MHz	3MHz	Average Value	
Frequency	Detector	RBW	VBW	Remark																					
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value																					
Above 1GHz	Peak	1MHz	3MHz	Peak Value																					
	AV	1MHz	3MHz	Average Value																					
Limit:	<table><tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Remark</td></tr><tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr><tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr><tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr><tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr><tr><td>68.2</td><td>Peak Value</td></tr></table> <p>Undesirable emission limits:</p> <p>(1) 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 EIRP of -27 dBm/MHz.</p> <p>(2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.</p> <p>(3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.</p>					Frequency	Limit (dBuV/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	68.2	Peak Value
Frequency	Limit (dBuV/m @3m)	Remark																							
30MHz-88MHz	40.0	Quasi-peak Value																							
88MHz-216MHz	43.5	Quasi-peak Value																							
216MHz-960MHz	46.0	Quasi-peak Value																							
960MHz-1GHz	54.0	Quasi-peak Value																							
Above 1GHz	54.0	Average Value																							
	68.2	Peak Value																							
Test Procedure:	<p>a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p>																								
Test setup:	Above 1GHz																								



	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

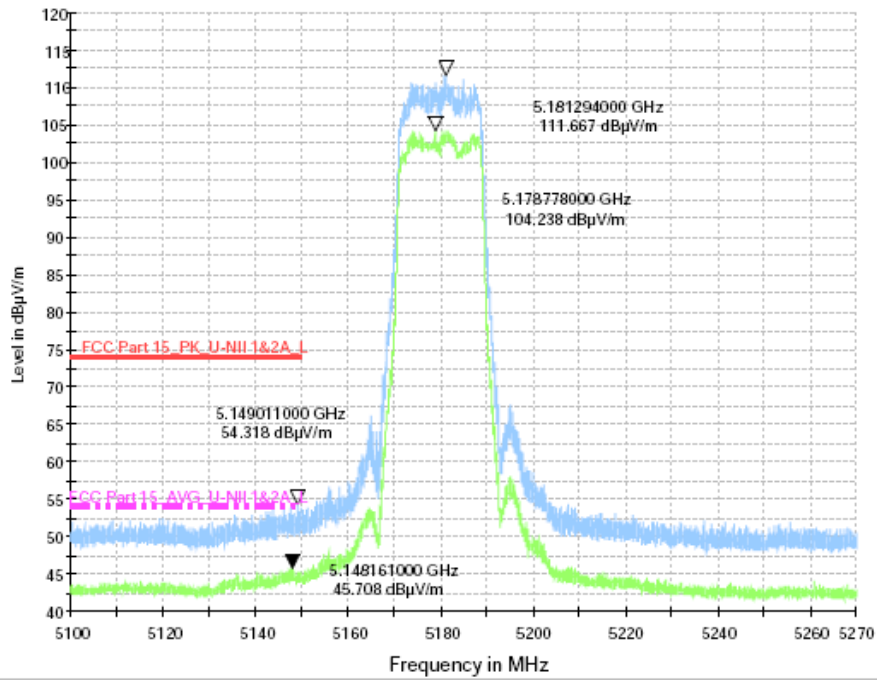
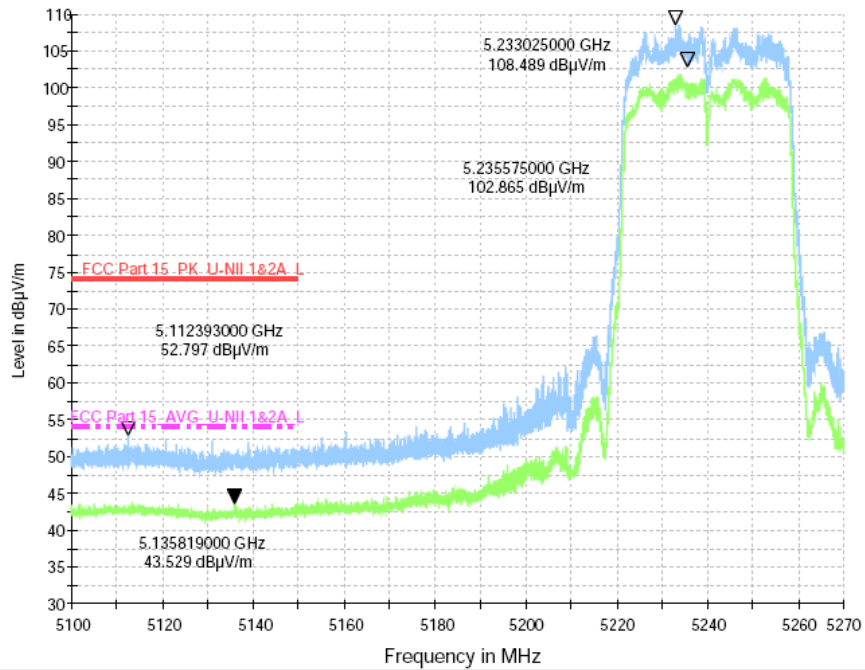
## Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

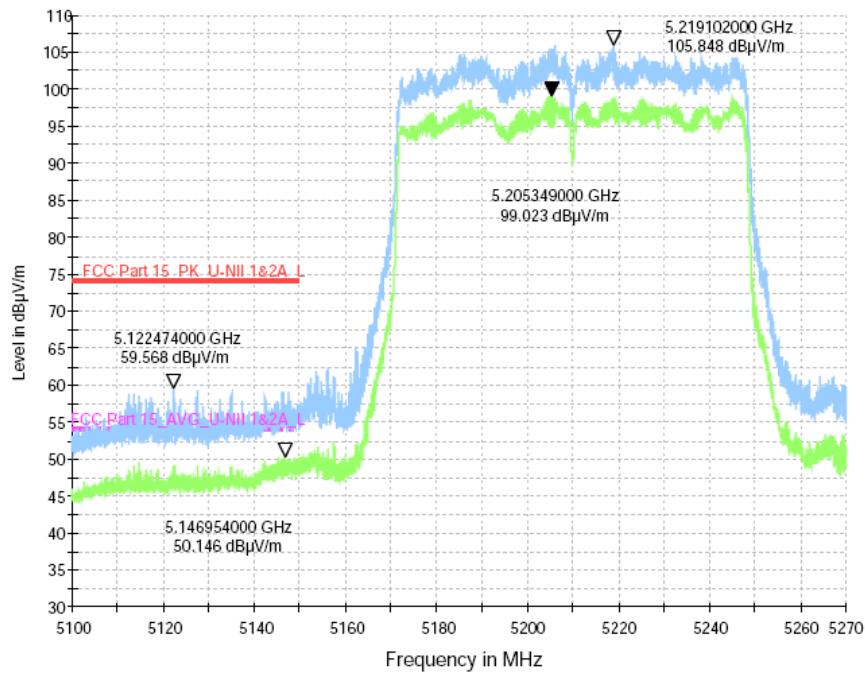
$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2,$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

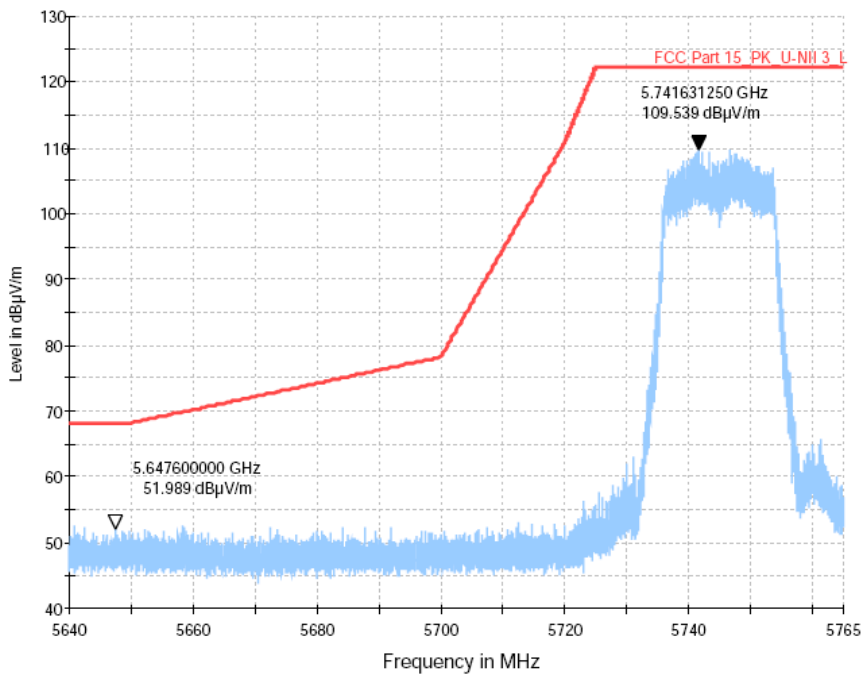
**Measurement Data:****Module 1****Band 1****802.11ac(VHT20) LCH****802.11ac(VHT40) LCH**

## 802.11ac(VHT80) LCH

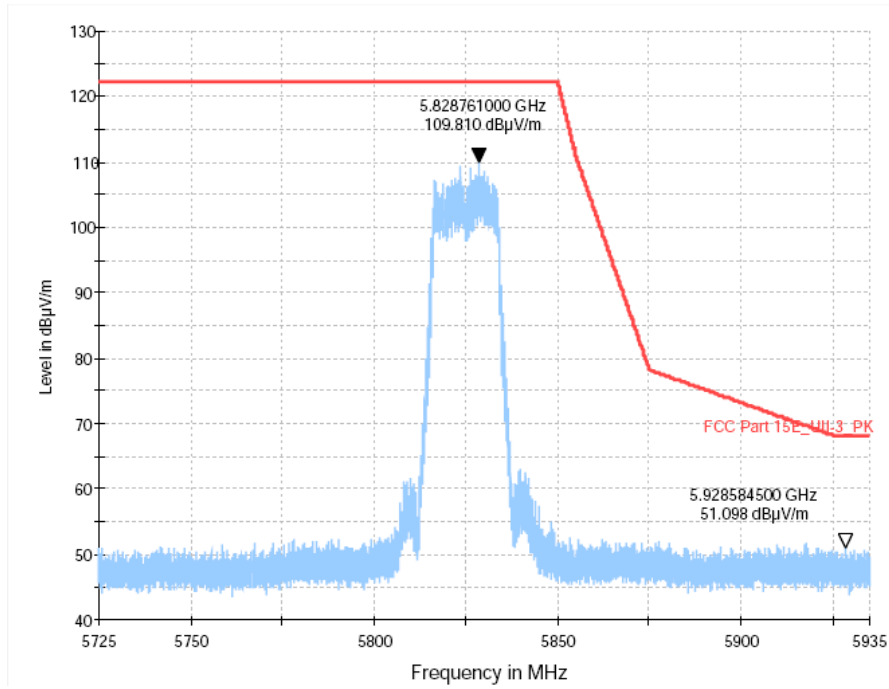


## Band4

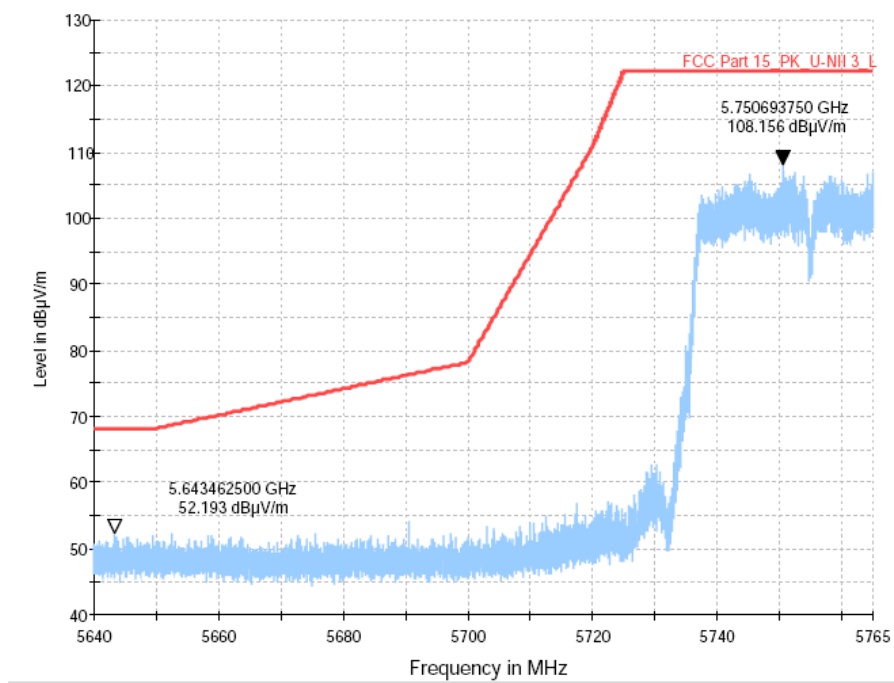
## 802.11ac(VHT20) LCH



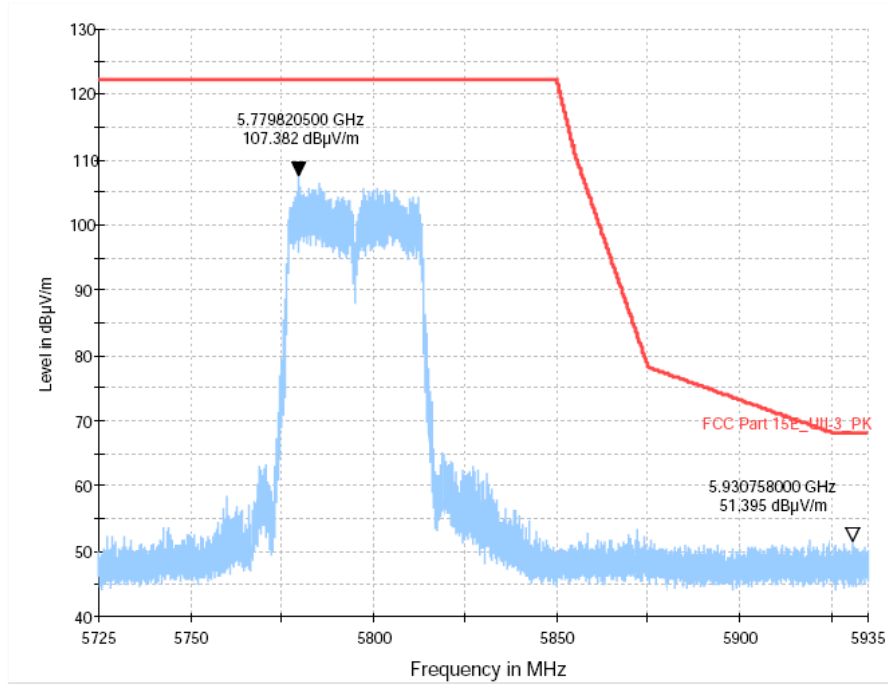
## 802.11ac(VHT20) HCH



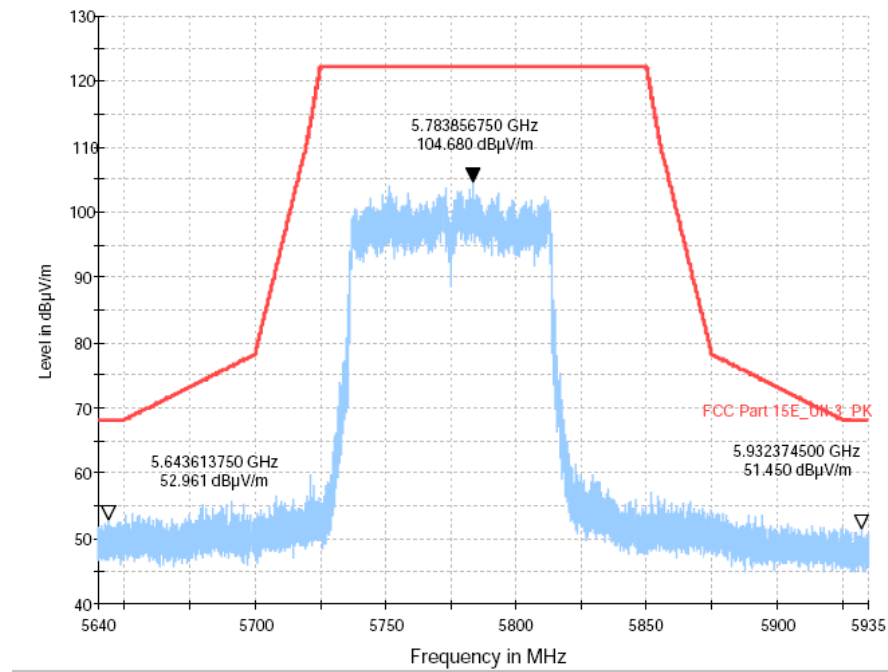
## 802.11ac(VHT40) LCH



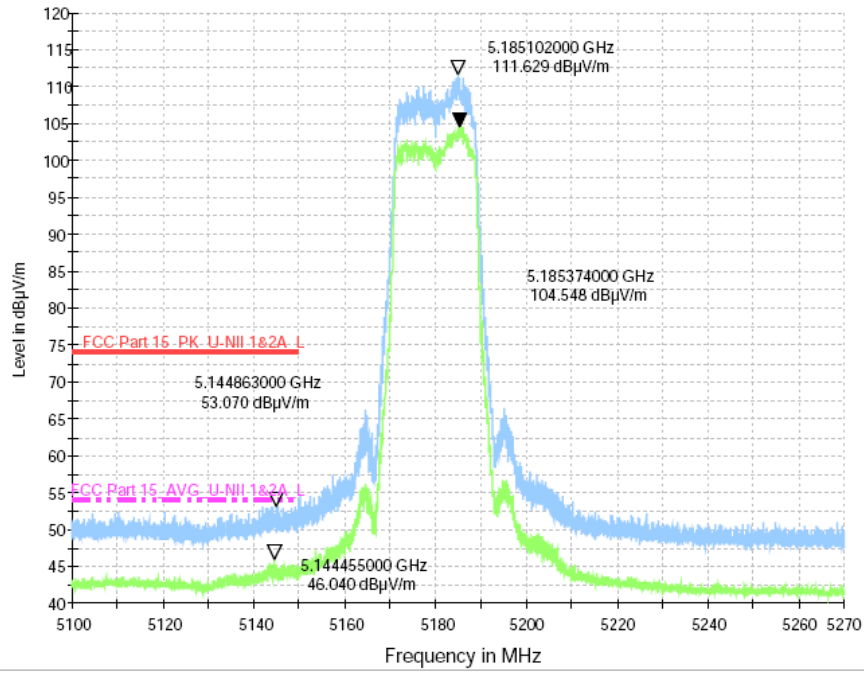
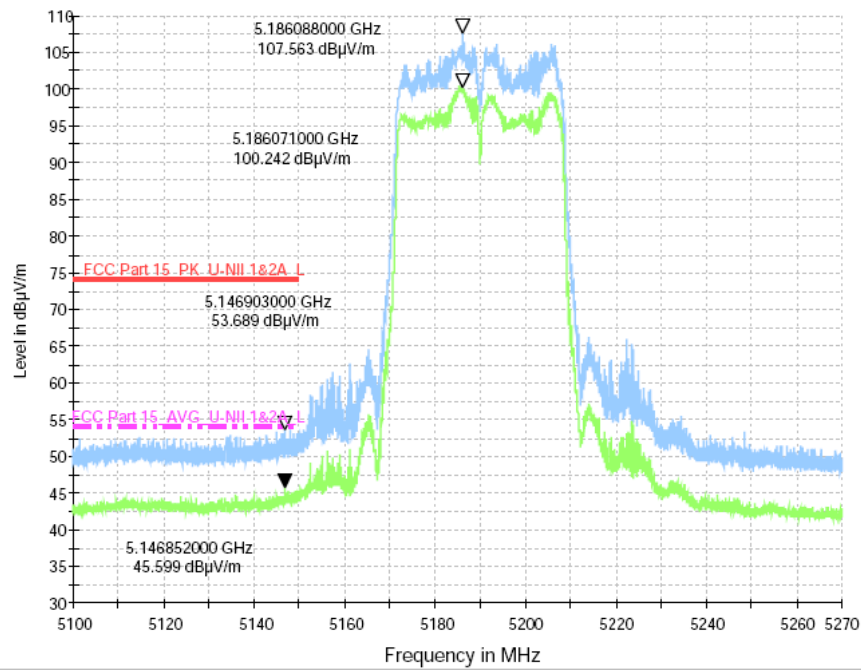
## 802.11ac(VHT40) HCH



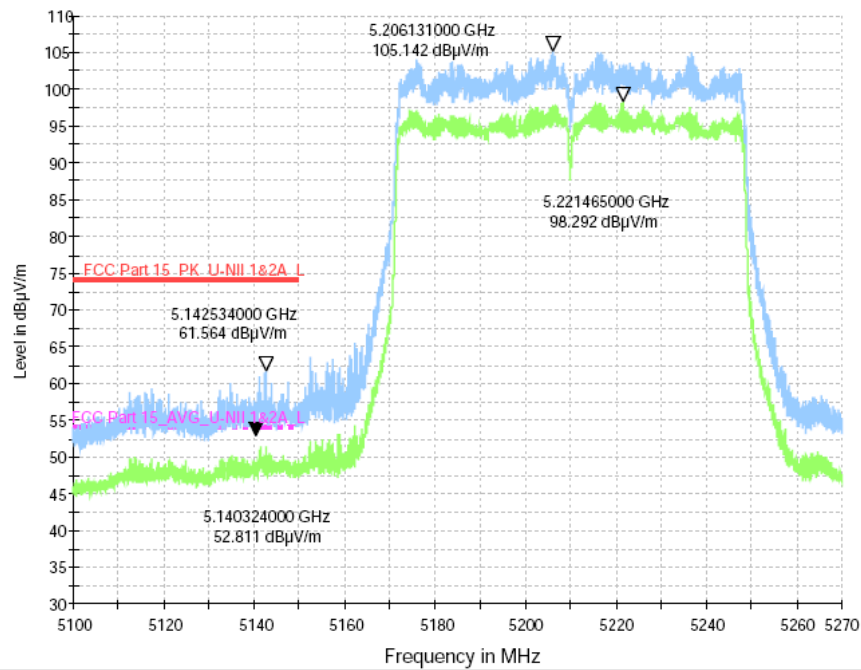
## 802.11ac(VHT80)





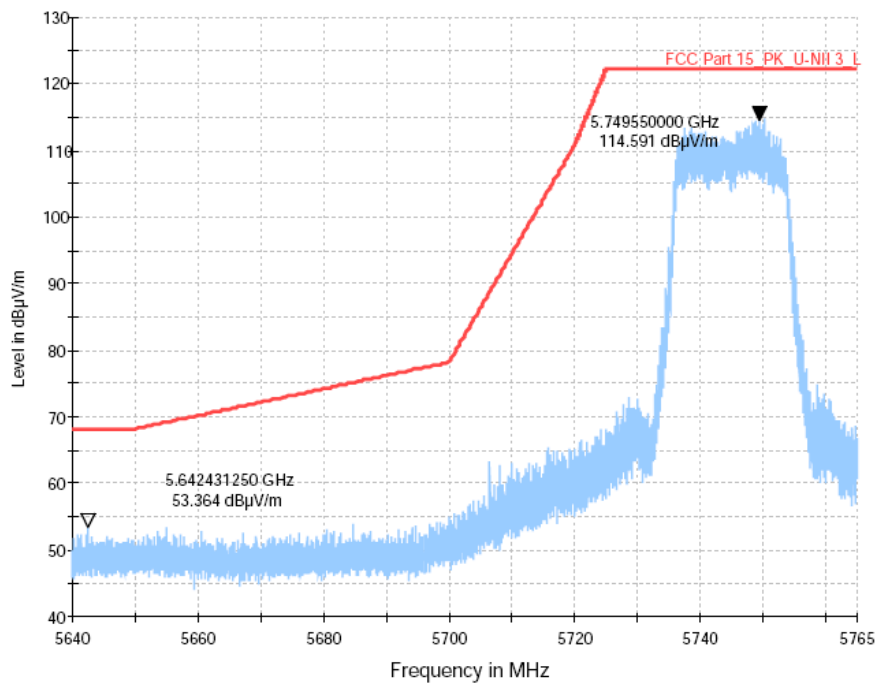
**Module 2**  
**Band 1****802.11ac(VHT20) LCH****802.11ac(VHT40) LCH**

## 802.11ac(VHT80)

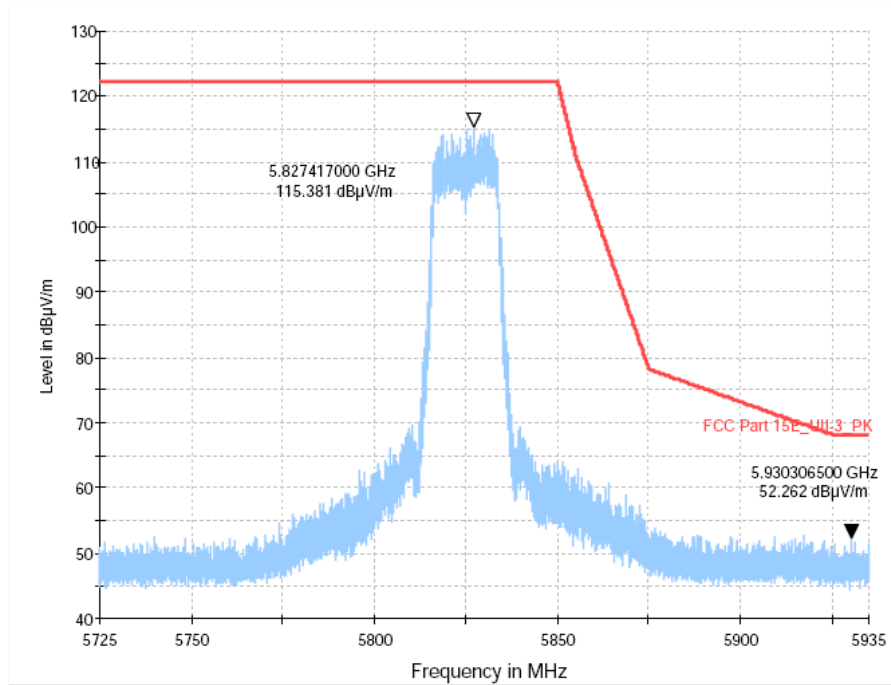


## Band4

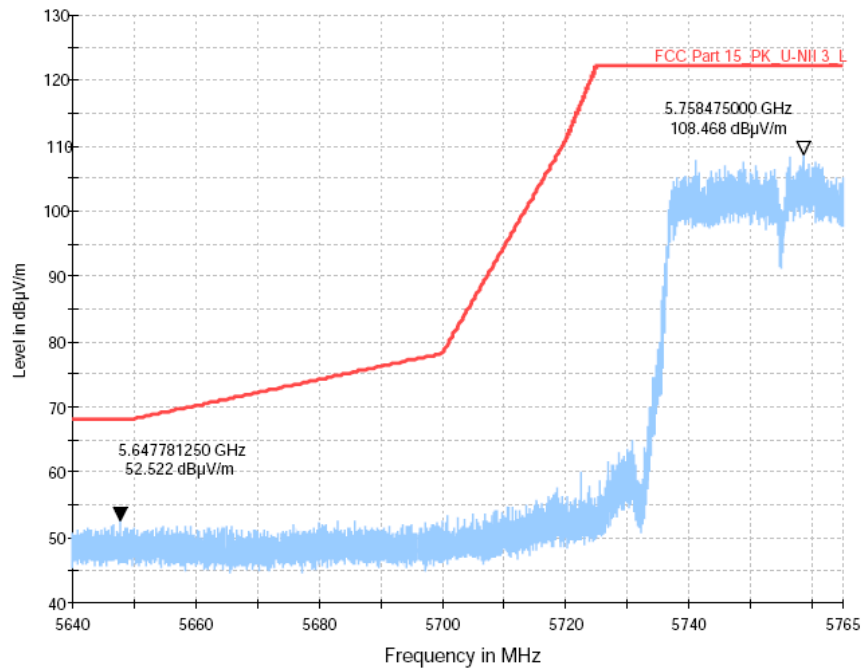
## 802.11ac(VHT20) LCH



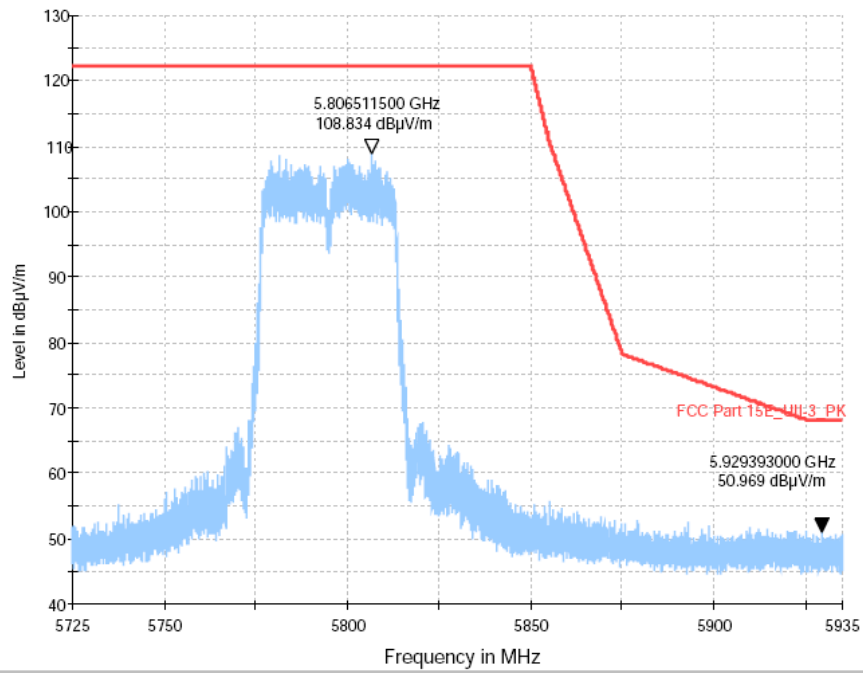
## 802.11ac(VHT20) HCH



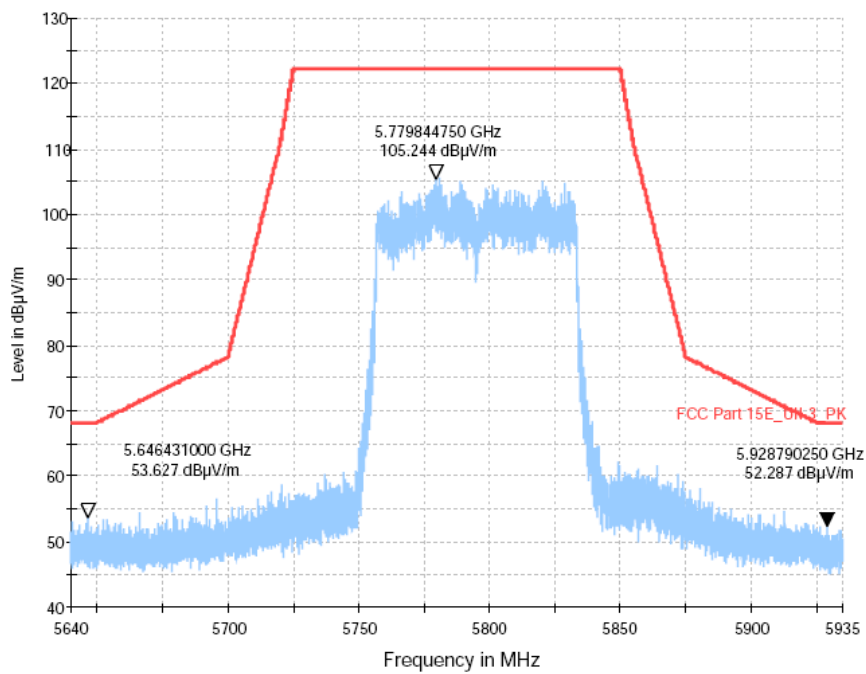
## 802.11ac(VHT40) LCH



## 802.11ac(VHT40) HCH



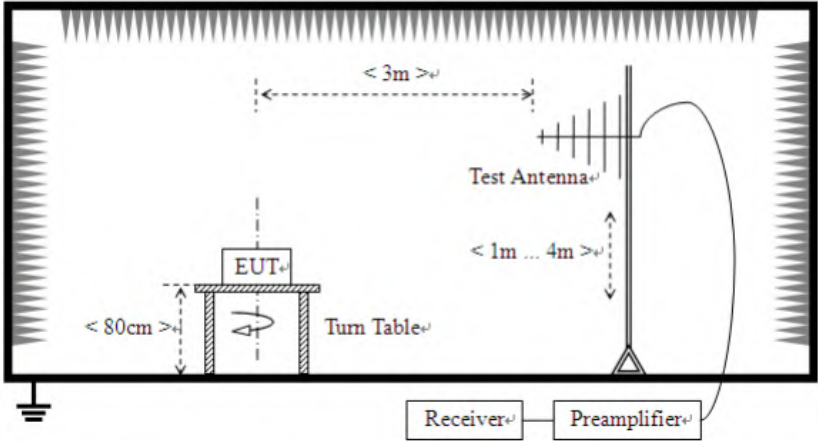
## 802.11ac(VHT80)

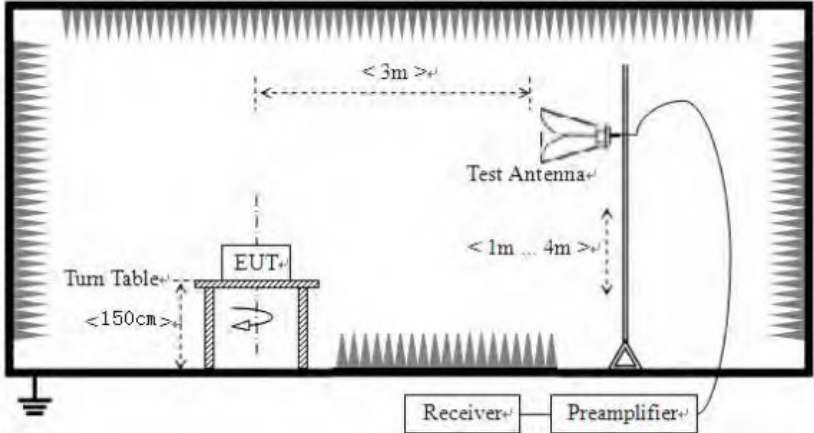


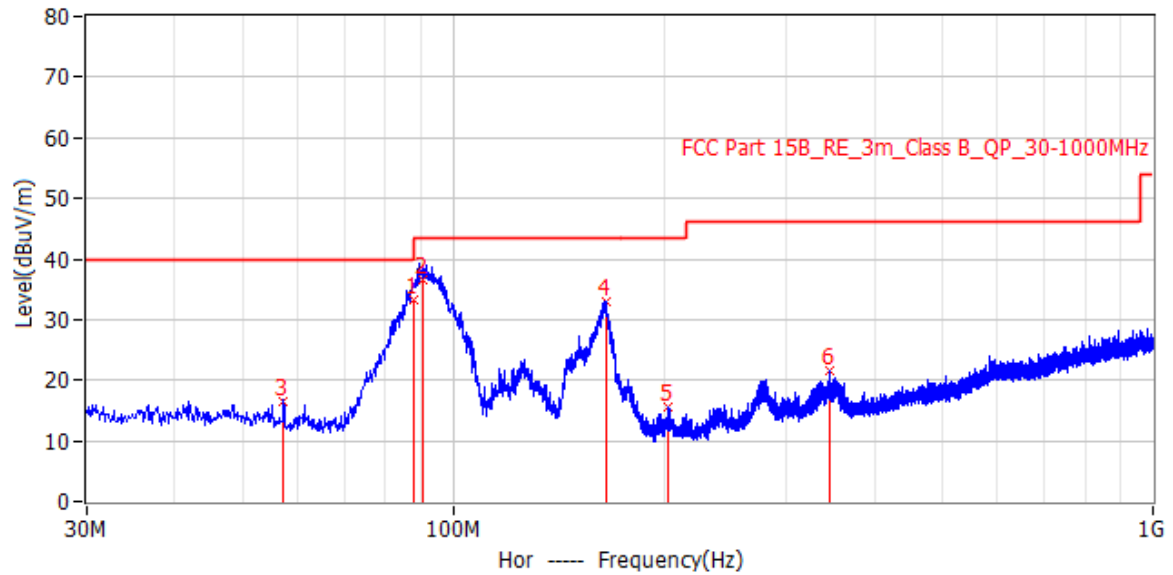
#### 4.7 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		74.0		Peak Value
			54.0		Average Value
Test Procedure:	Substitution method was performed to determine the actual ERP emission levels of the EUT. The following test procedure as below:				
	1>.Below 1GHz test procedure: <div>1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</div> 2>.Above 1GHz test procedure: <div>1. On the test site as test setup graph above,the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider.</div> <div>2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring receiver.</div> <div>3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test.</div> <div>4. The test antenna shall be raised and lowered from 1m to 4m until a</div>				

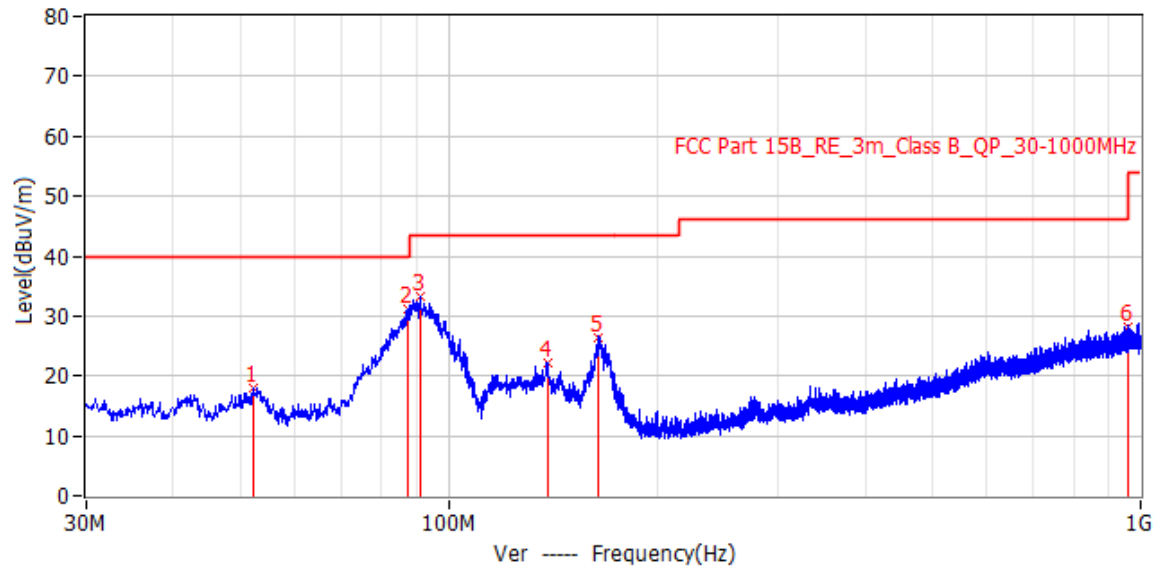


	<p>maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.</p> <ol style="list-style-type: none"> <li>Repeat step 4 for test frequency with the test antenna polarized horizontally.</li> <li>Remove the transmitter and replace it with a substitution antenna</li> <li>Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output.</li> <li>Repeat step 7 with both antennas horizontally polarized for each test frequency.</li> <li>Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula:  <math display="block">\text{EIRP(dBm)} = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBi)}</math>           where:  <math>P_g</math> is the generator output power into the substitution antenna.</li> </ol>
Test setup:	<p>Below 1GHz</p>  <p>Above 1GHz</p>

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

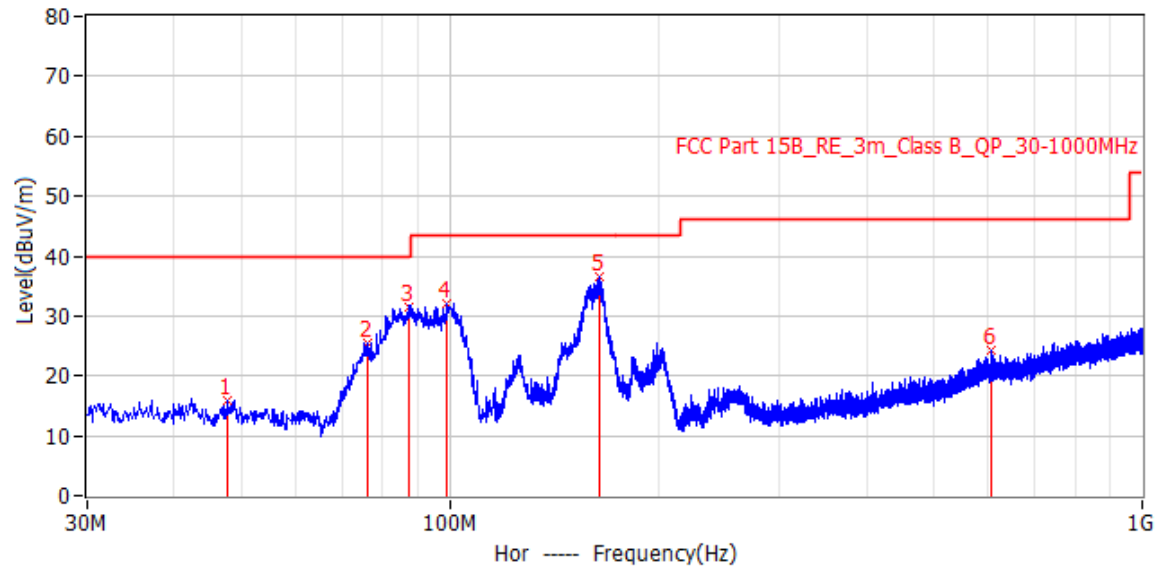
**Measurement Data:****Below 1GHz***Horizontal*

No.	Frequency	Level dBuV/m	Factor dB/m	Limit dBuV/m	Margin dB	Detector	Height cm	Height cm	Angle deg
1	87.982MHz	33.3	12.8	40.0	-6.7	QP	Hor	200.0	147.0
2	90.452MHz	36.5	12.9	43.5	-7.0	QP	Hor	200.0	164.0
3*	57.281MHz	16.6	16.8	40.0	-23.4	PK	Hor	100.0	0.0
4*	165.679MHz	33.0	16.9	43.5	-10.5	PK	Hor	200.0	215.0
5*	202.418MHz	15.5	13.5	43.5	-28.0	PK	Hor	100.0	212.0
6*	344.280MHz	21.5	17.3	46.0	-24.5	PK	Hor	100.0	236.0

**Vertical**

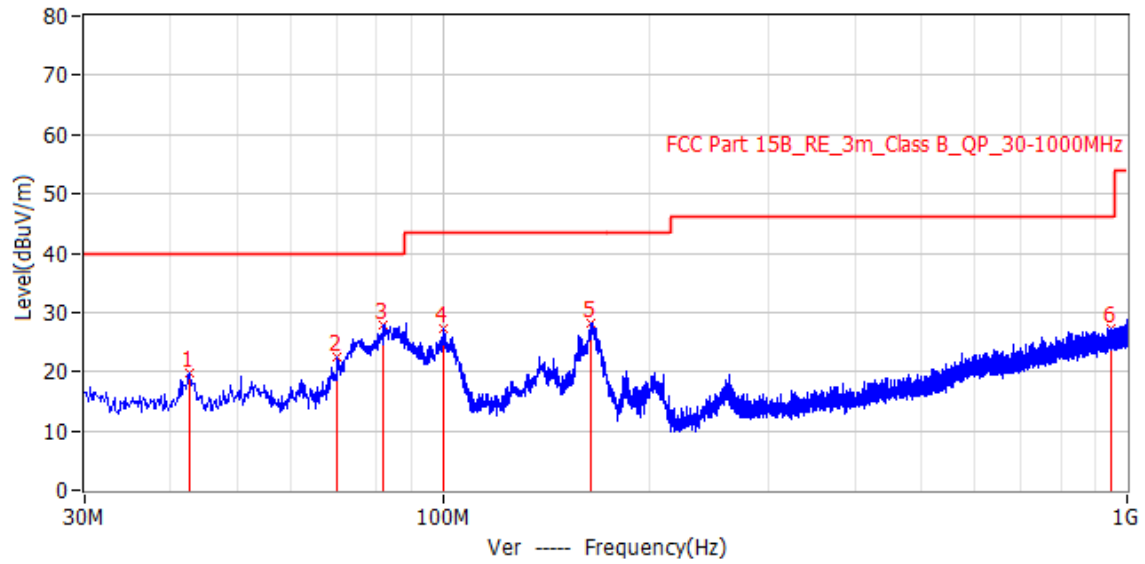
No.	Frequency	Level dBuV/m	Factor dB/m	Limit dBuV/m	Margin dB	Detector	Height cm	Height cm	Angle deg
1*	52.189MHz	18.1	17.2	40.0	-21.9	PK	Ver	100.0	248.0
2*	87.230MHz	31.3	12.8	40.0	-8.7	PK	Ver	100.0	266.0
3*	90.868MHz	33.3	12.9	43.5	-10.2	PK	Ver	100.0	287.0
4*	139.246MHz	22.3	16.3	43.5	-21.2	PK	Ver	100.0	104.0
5*	164.951MHz	26.5	17.0	43.5	-17.0	PK	Ver	100.0	219.0
6*	959.866MHz	28.3	27.4	46.0	-17.7	PK	Ver	100.0	0.0

## Test Data for EUM-150S150BG

*Horizontal*

No.	Frequency	Level dBuV/m	Factor dB/m	Limit dBuV/m	Margin dB	Detector	Height cm	Height cm	Angle deg
1*	47.703MHz	15.9	17.3	40.0	-24.1	PK	Hor	200.0	158.0
2*	75.954MHz	25.6	13.7	40.0	-14.4	PK	Hor	200.0	165.0
3*	87.594MHz	31.6	12.8	40.0	-8.4	PK	Hor	200.0	186.0
4*	99.234MHz	32.1	13.5	43.5	-11.4	PK	Hor	200.0	186.0
5*	164.224MHz	36.7	17.0	43.5	-6.8	PK	Hor	200.0	200.0
6*	604.604MHz	24.3	22.7	46.0	-21.7	PK	Hor	200.0	172.0

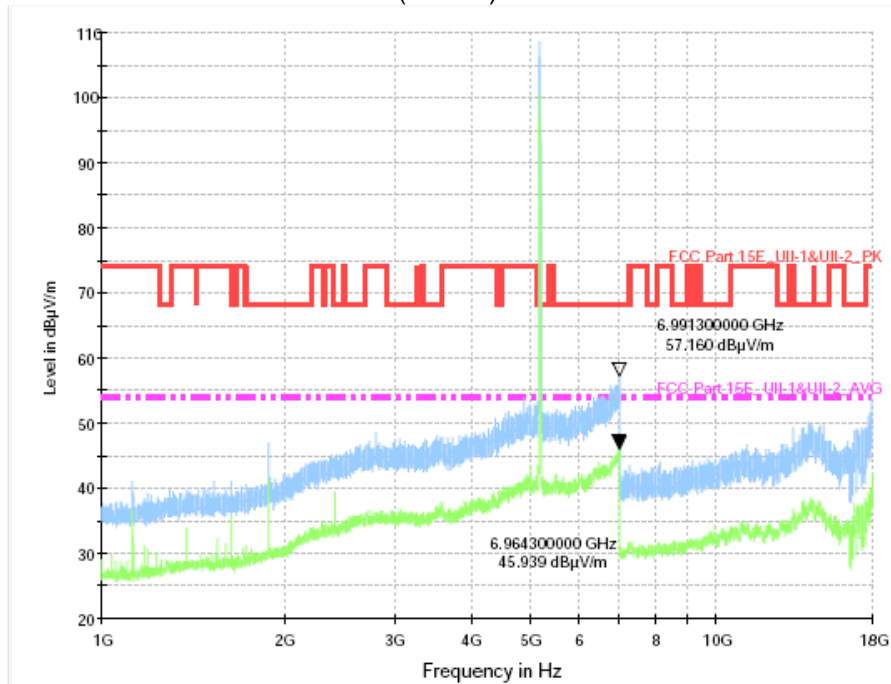


**Vertical**

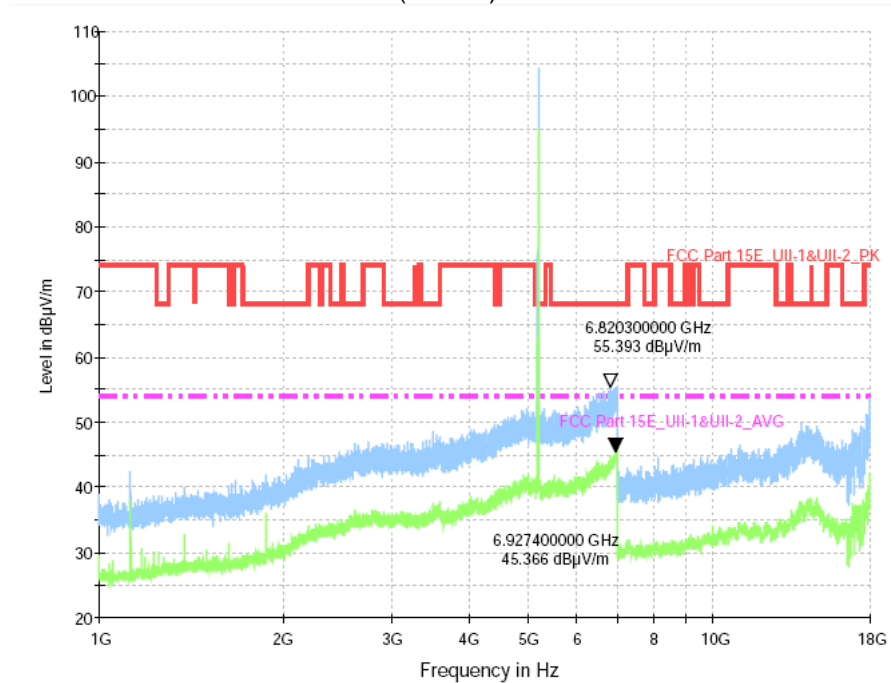
No.	Frequency	Level dBuV/m	Factor dB/m	Limit dBuV/m	Margin dB	Detector	Height cm	Height cm	Angle deg
1*	42.731MHz	19.8	17.4	40.0	-20.2	PK	Ver	100.0	233.0
2*	70.255MHz	22.6	15.0	40.0	-17.4	PK	Ver	100.0	165.0
3*	82.016MHz	27.9	12.8	40.0	-12.1	PK	Ver	100.0	297.0
4*	100.204MHz	27.3	13.5	43.5	-16.2	PK	Ver	100.0	272.0
5*	164.345MHz	28.3	17.0	43.5	-15.2	PK	Ver	100.0	272.0
6*	947.135MHz	27.4	27.3	46.0	-18.6	PK	Ver	100.0	0.0

Above 1GHz:  
Module 1  
Band 1(5180-5240)

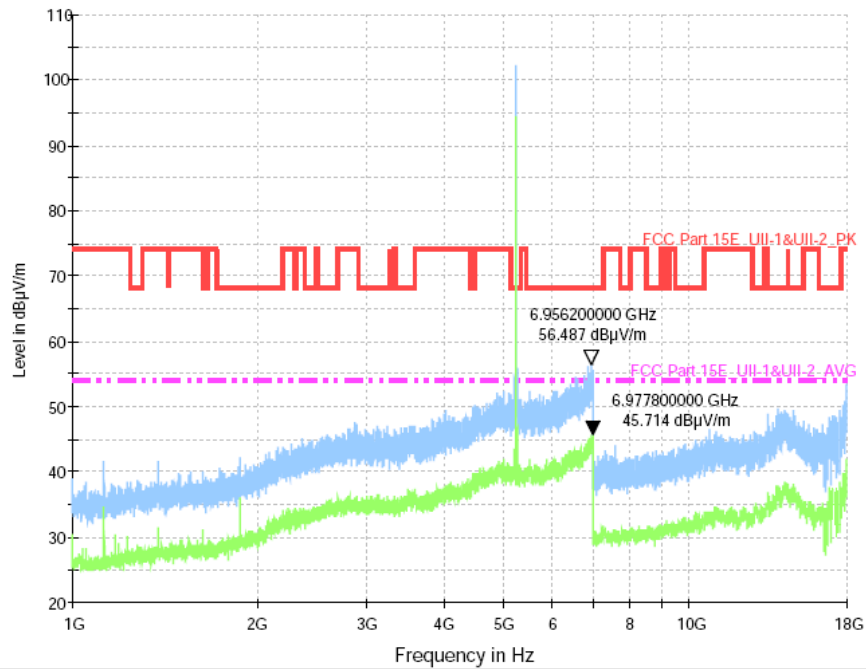
802.11ac(VHT20) 5180MHz



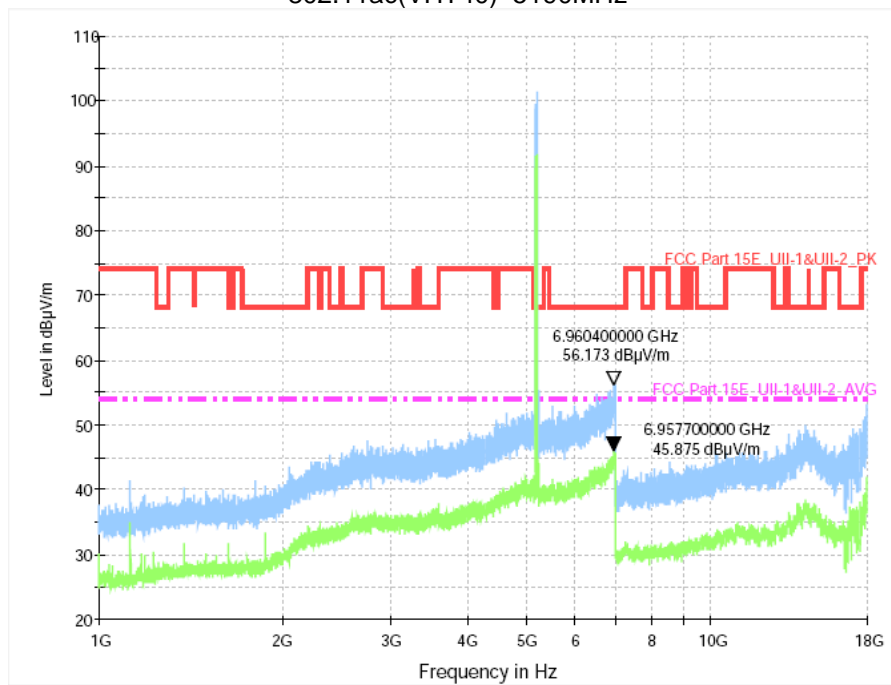
802.11ac(VHT20) 5200MHz



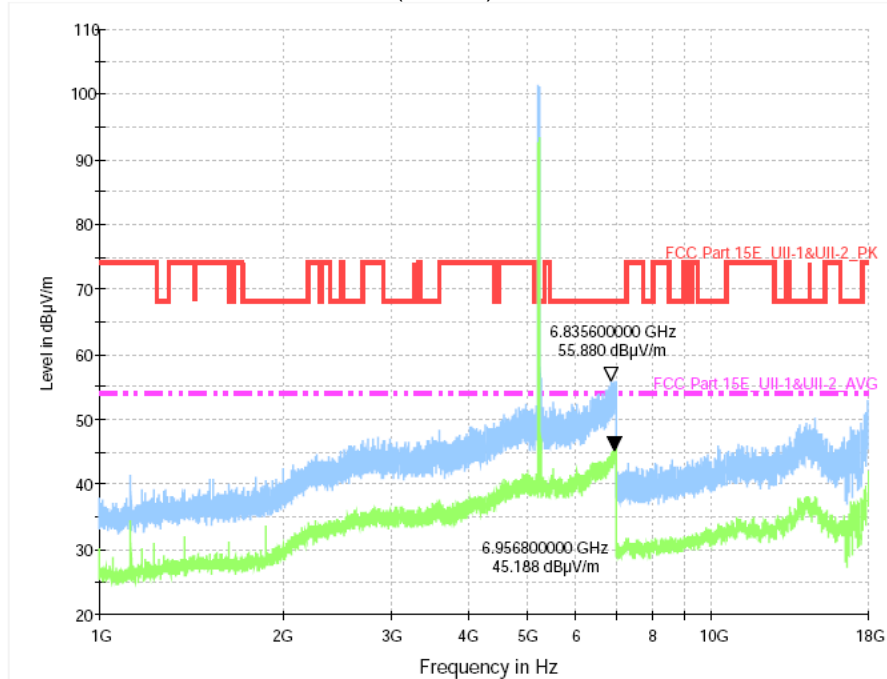
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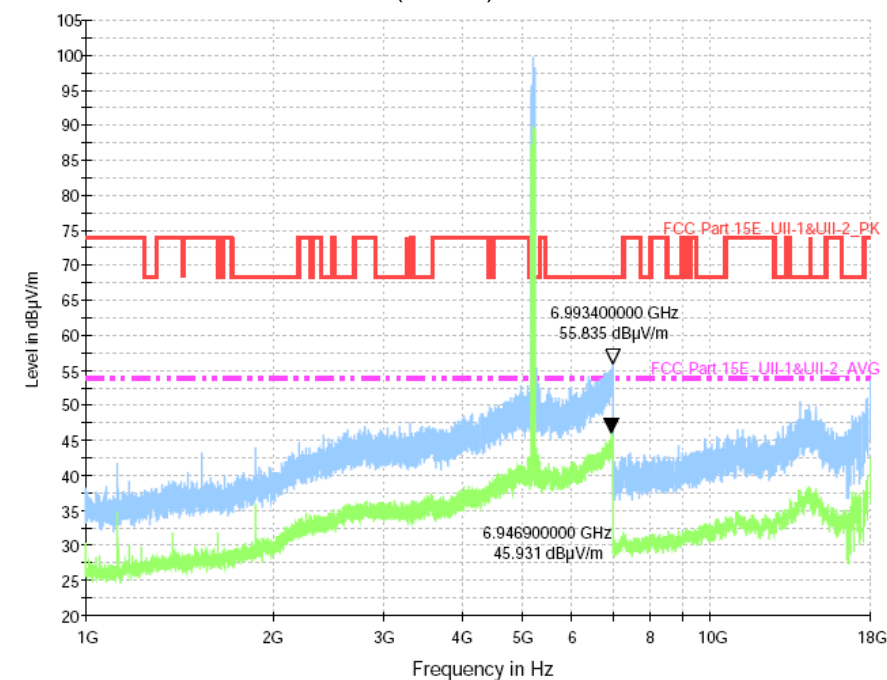
## 802.11ac(VHT40) 5190MHz



802.11ac(VHT40) 5230MHz

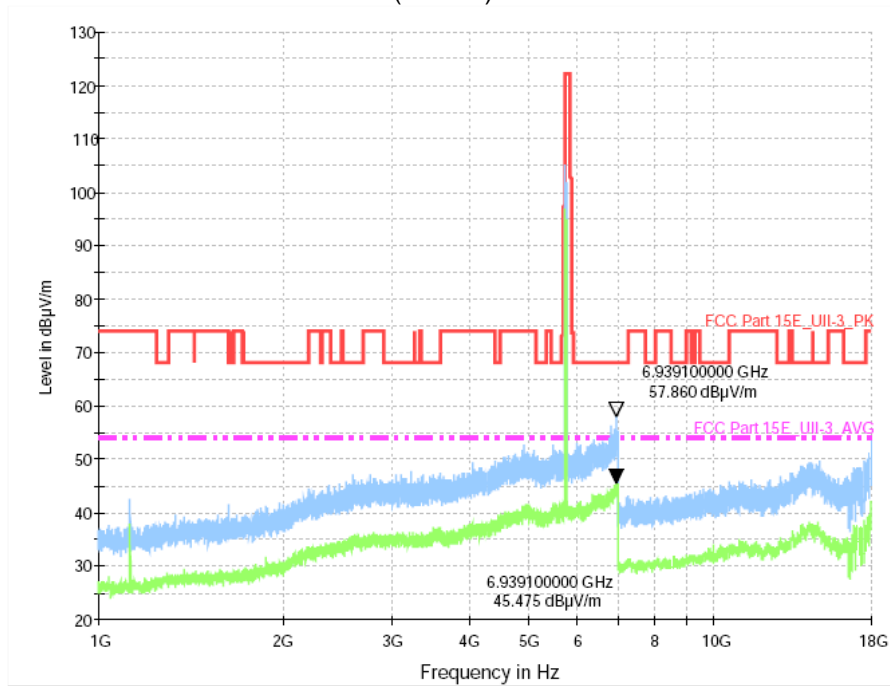
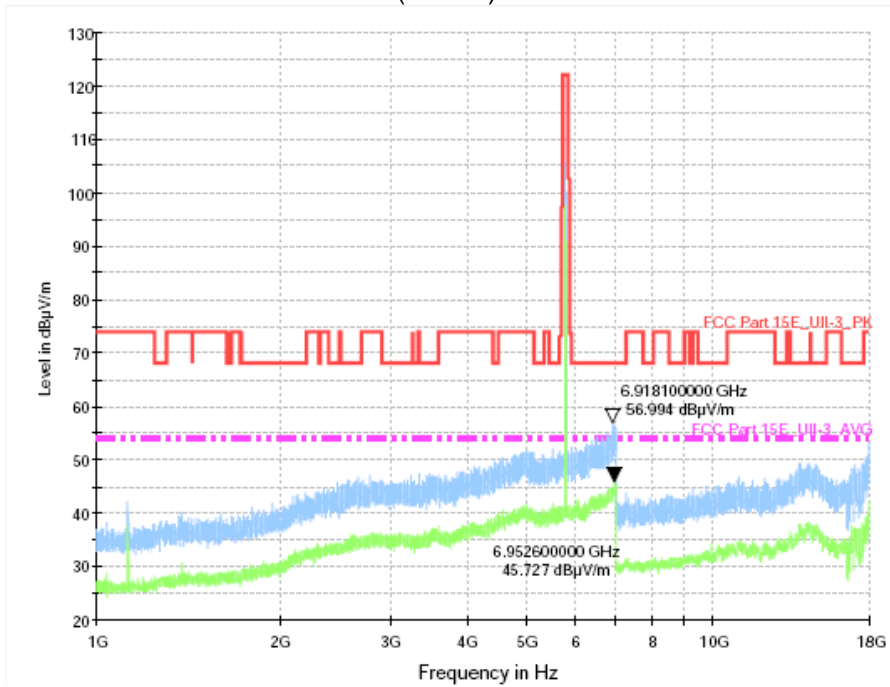


802.11ac(VHT80) 5210MHz



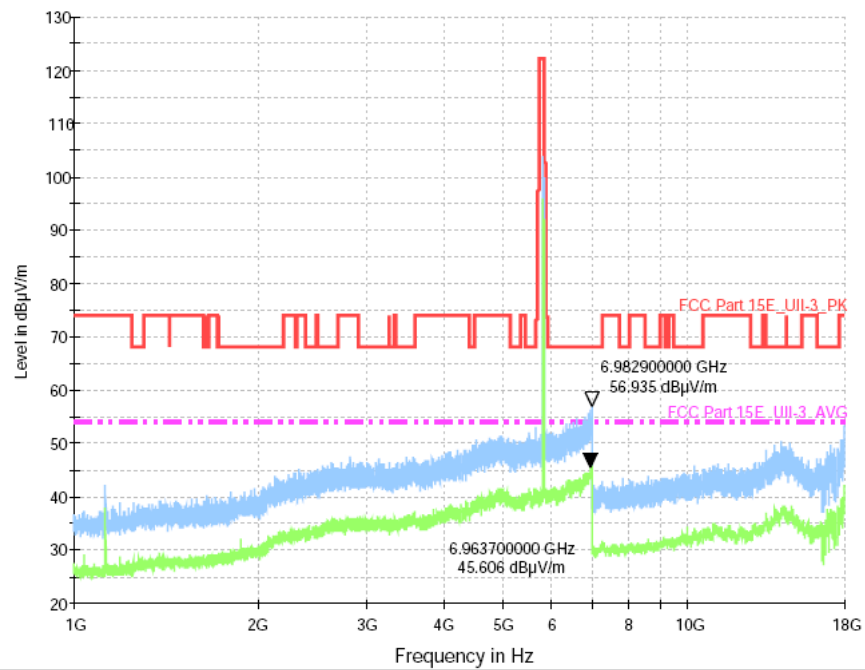
Note:

1. Level = Read Level + Correct Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

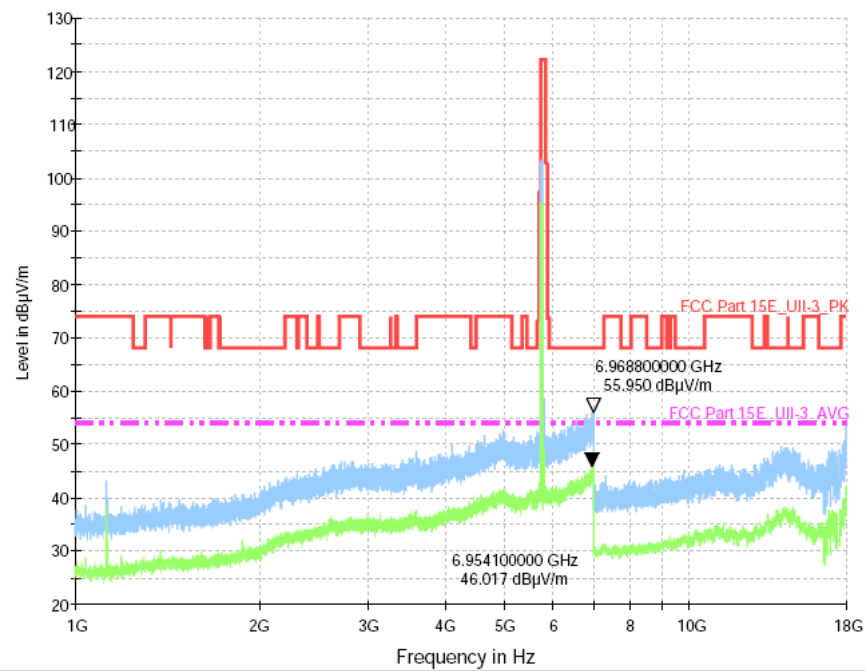
**Band 4 (5745-5825)****802.11ac(VHT20) 5745MHz****802.11ac(VHT20) 5785MHz**



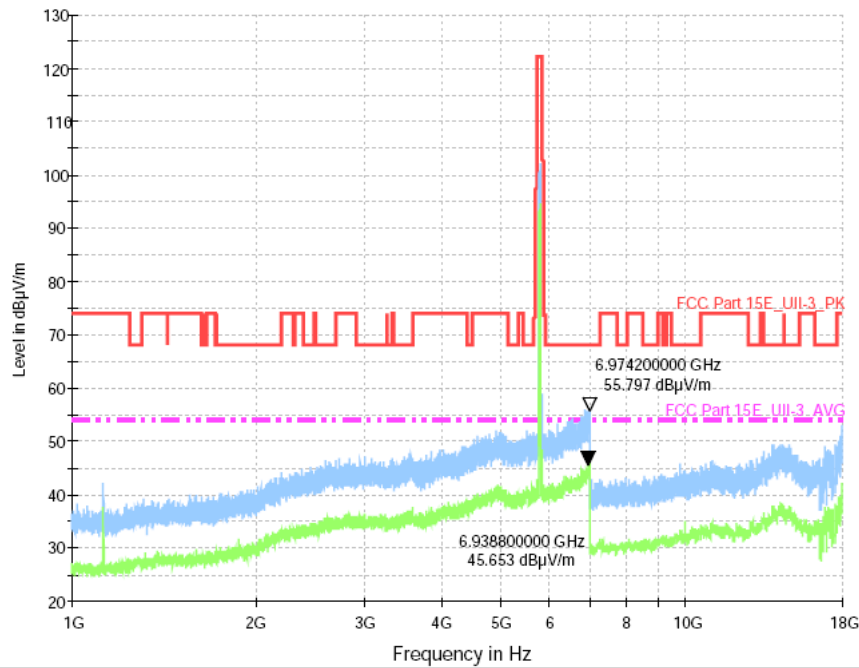
802.11ac(VHT20) 5825MHz



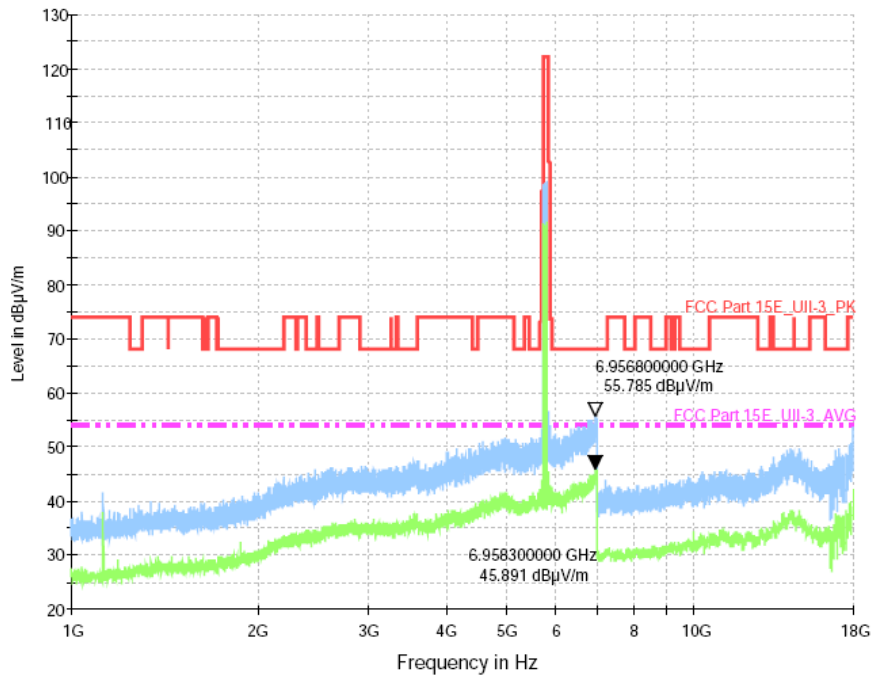
802.11ac(VHT40) 5755MHz



## 802.11ac(HT40) 5795MHz

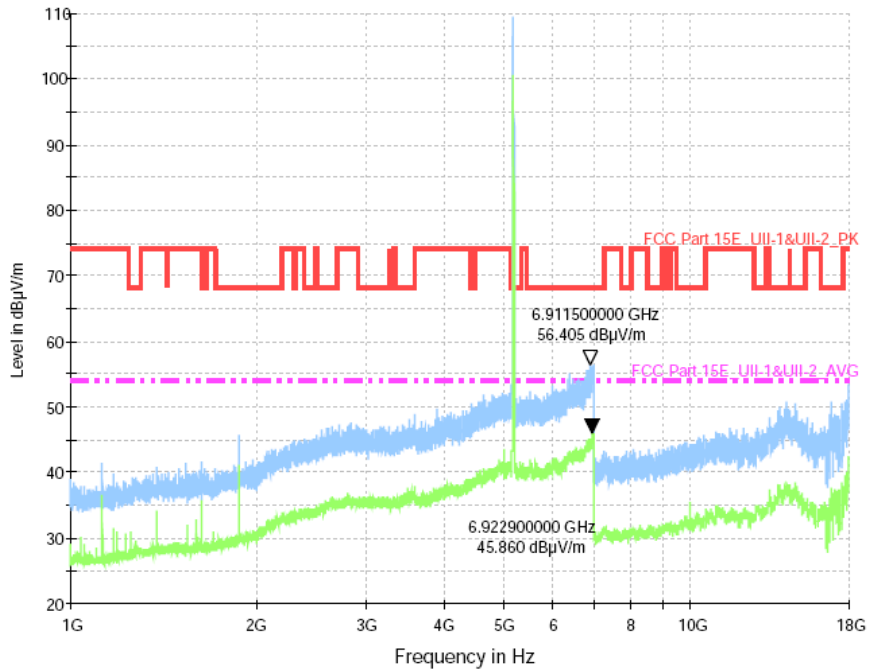
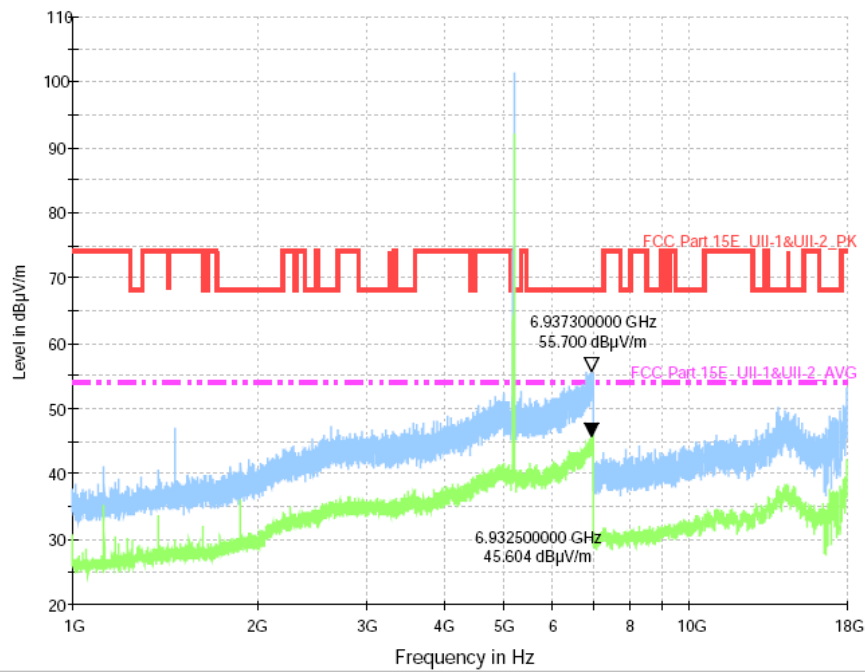


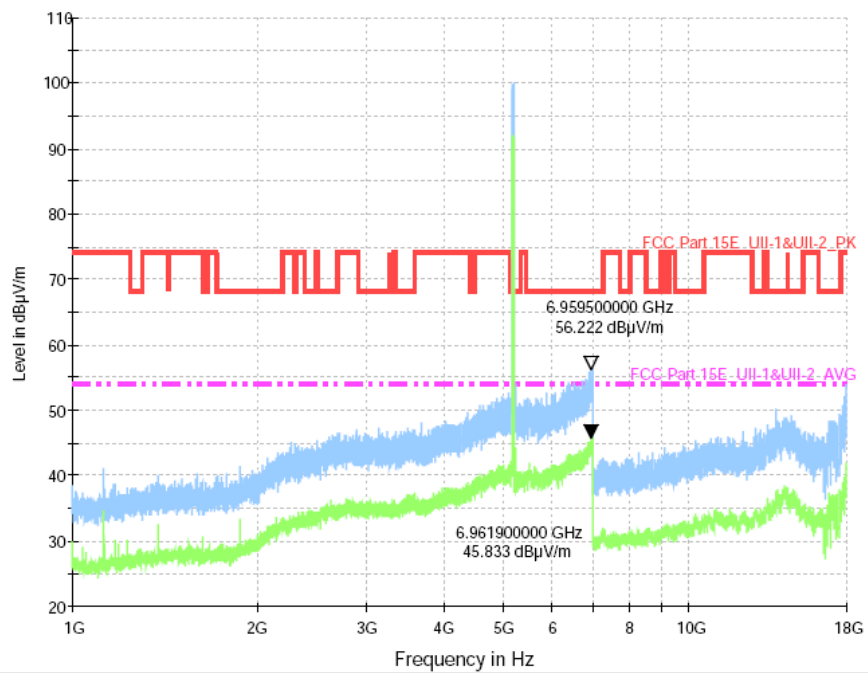
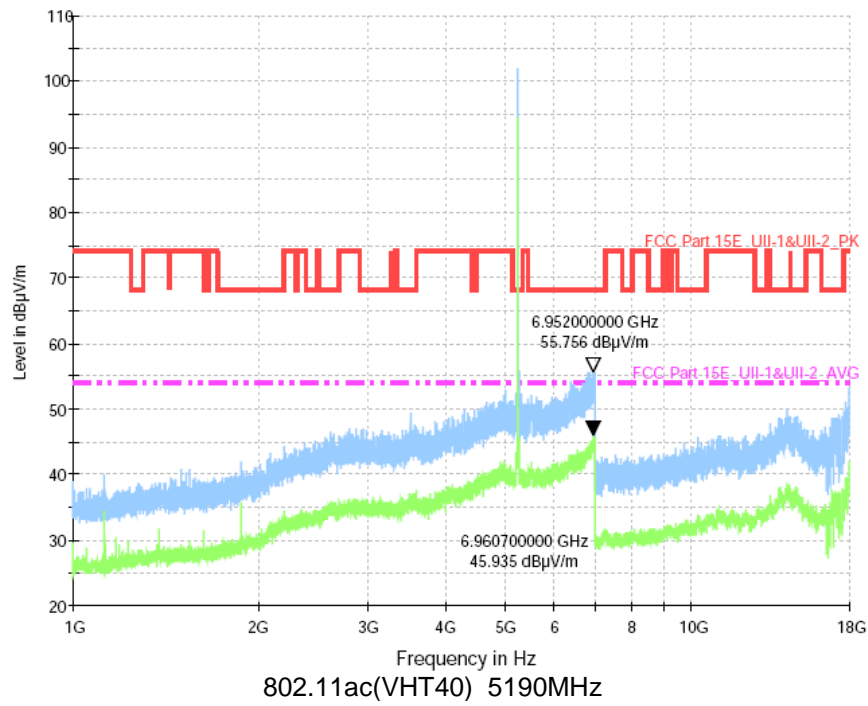
## 802.11ac(VHT80) 5775MHz



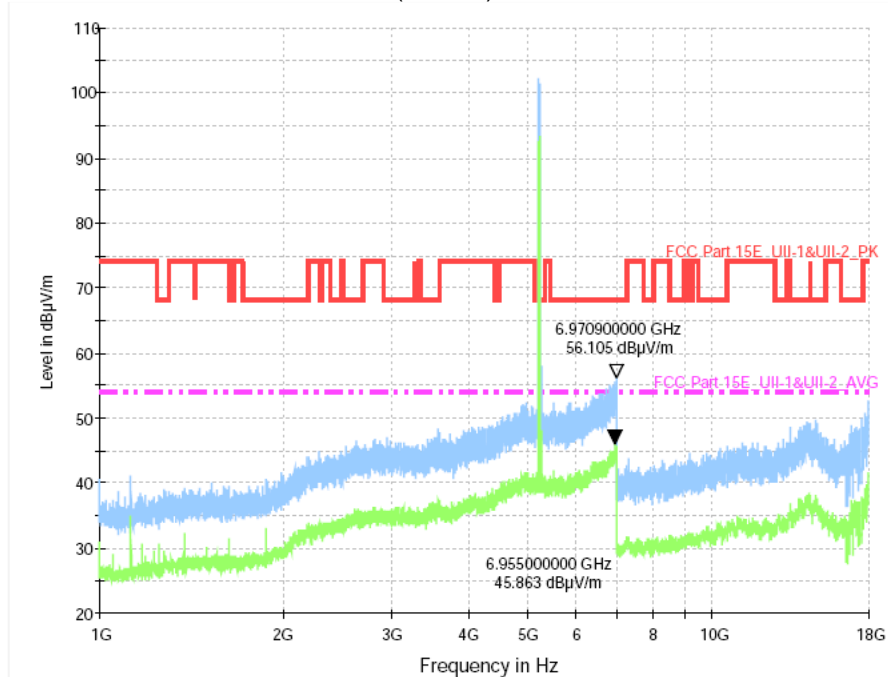
## Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

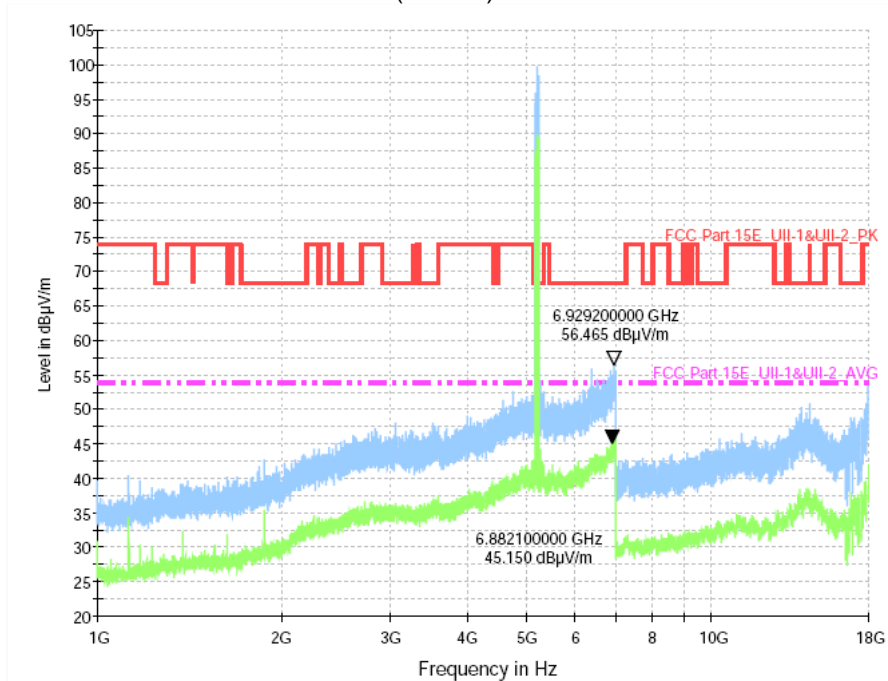
**Module 2****Band 1(5180-5240)****802.11ac(VHT20) 5180MHz****802.11ac(VHT20) 5200MHz****802.11ac(VHT20) 5240MHz**



802.11ac(VHT40) 5230MHz

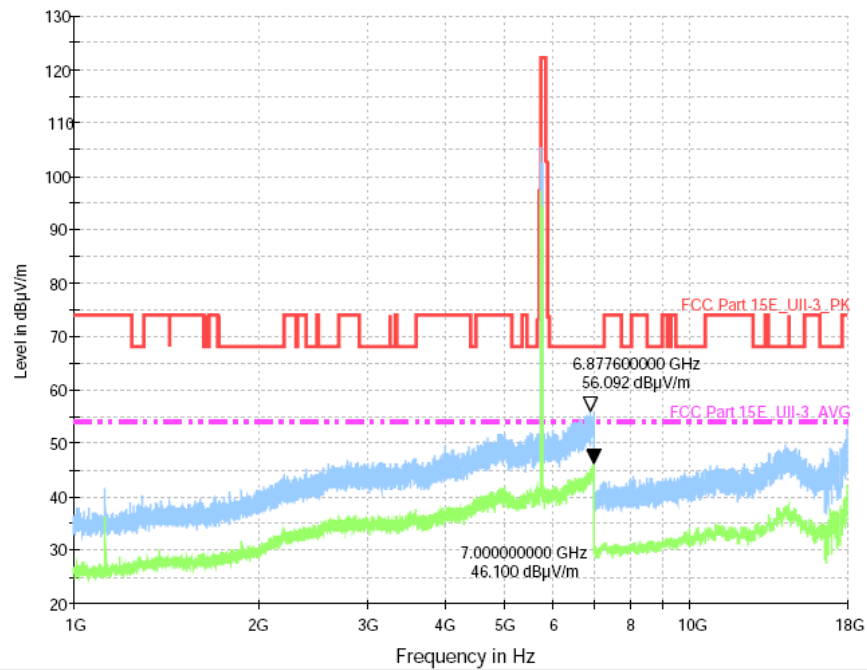
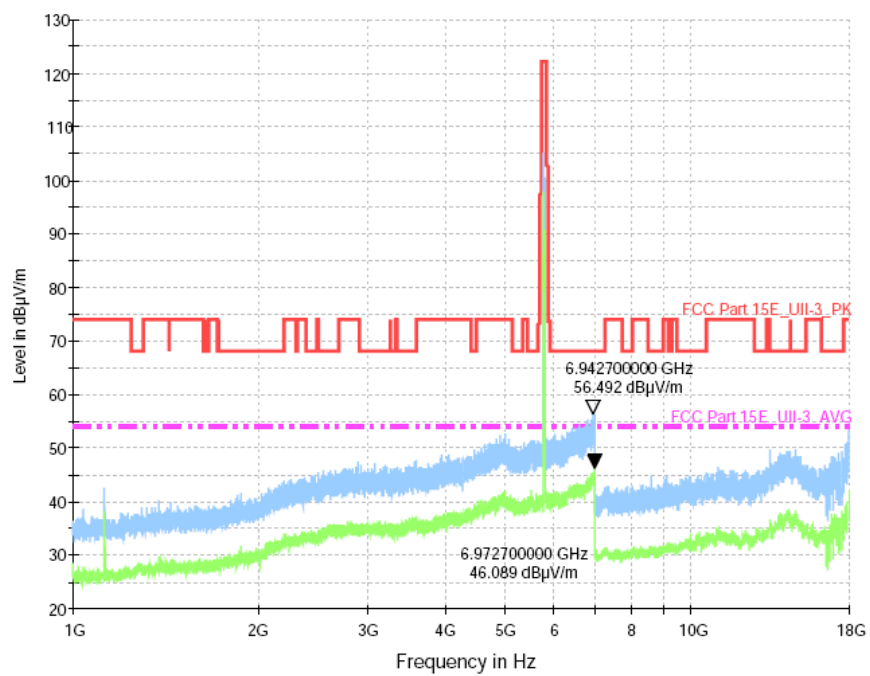


802.11ac(VHT80) 5210MHz

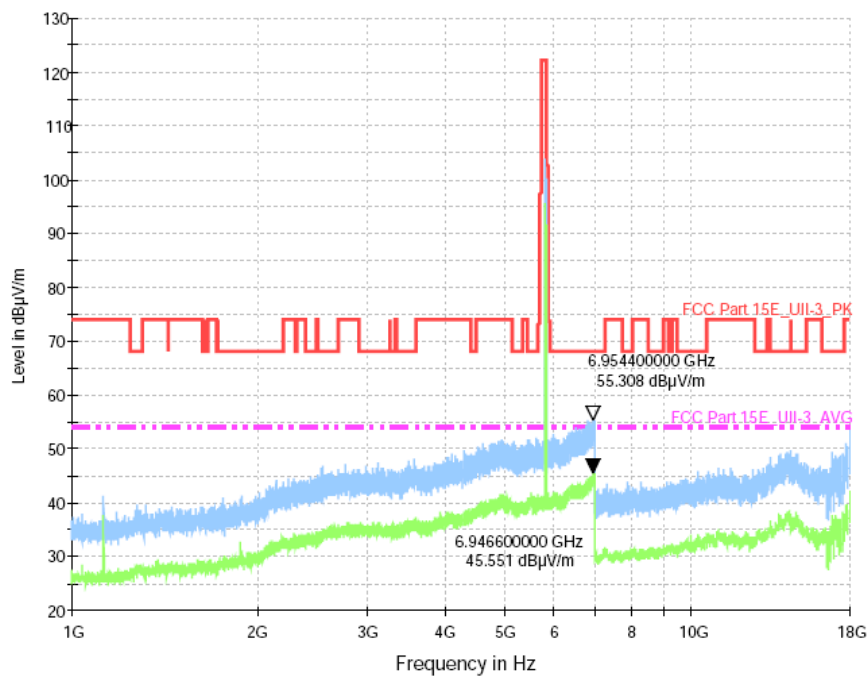


Note:

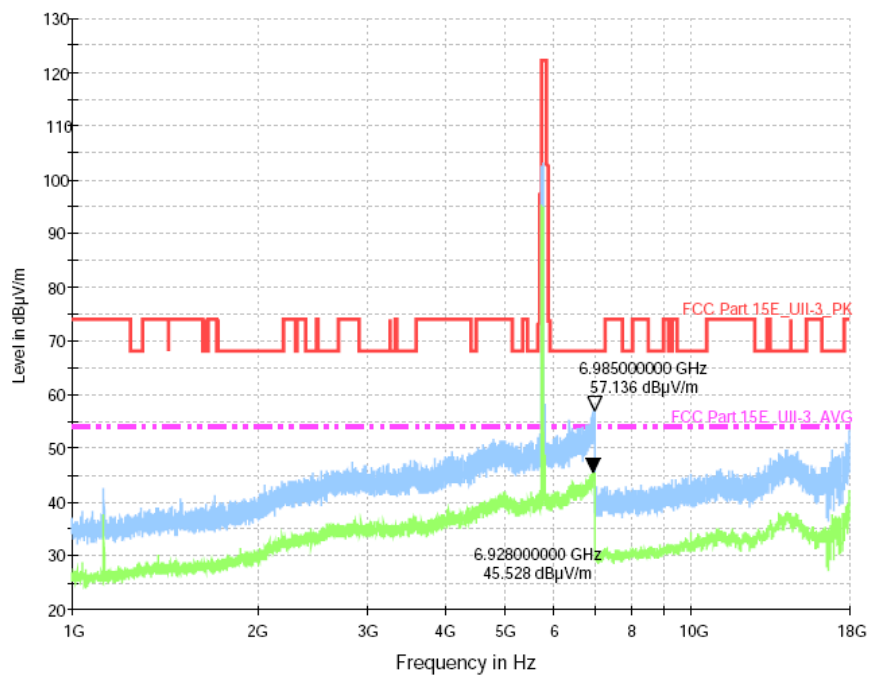
1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

**Band 4 (5745-5825)****802.11ac(VHT20) 5745MHz****802.11ac(VHT20) 5785MHz**

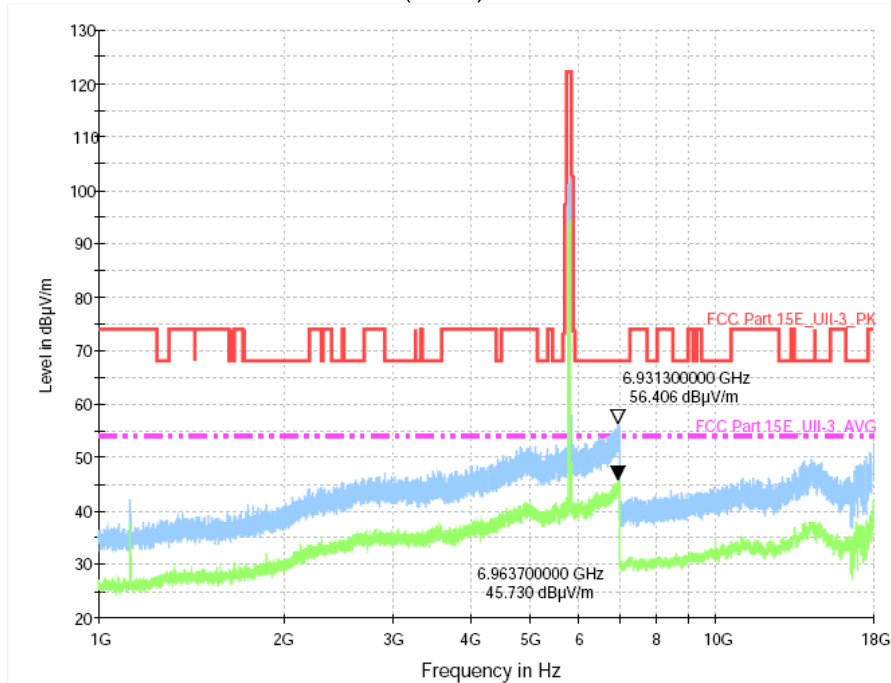
802.11ac(VHT20) 5825MHz



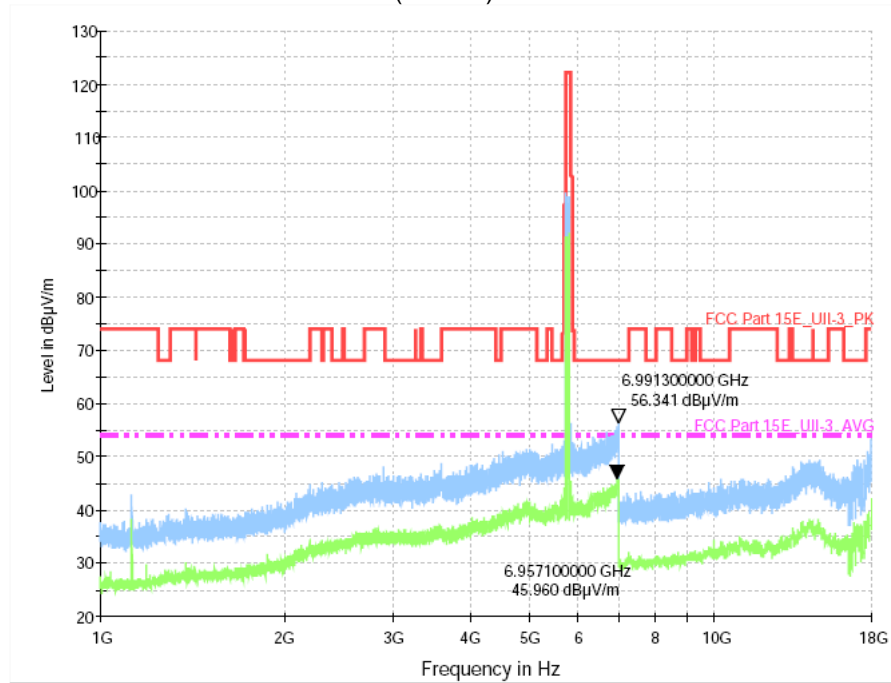
802.11ac(VHT40) 5755MHz



## 802.11ac(HT40) 5795MHz



## 802.11ac(VHT80) 5775MHz



## Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.



#### 4.8 Frequency stability

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.
Test results:	Pass

#### Measurement Data:

##### Module 1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ac (VHT20)	MIMO	5180	20	102	5179.960	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
			-30	120	5179.980	5150 to 5250	Pass
			-20	120	5180.000	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5179.980	5150 to 5250	Pass
			40	120	5179.980	5150 to 5250	Pass
			50	120	5179.980	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5200.040	5150 to 5250	Pass
			-30	120	5200.000	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.000	5150 to 5250	Pass
			0	120	5200.020	5150 to 5250	Pass
			10	120	5199.960	5150 to 5250	Pass
			30	120	5199.960	5150 to 5250	Pass
			40	120	5199.980	5150 to 5250	Pass
			50	120	5199.980	5150 to 5250	Pass
		5240	20	102	5239.980	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
			-30	120	5240.020	5150 to 5250	Pass
			-20	120	5240.020	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.000	5150 to 5250	Pass
			40	120	5240.000	5150 to 5250	Pass
			50	120	5240.000	5150 to 5250	Pass
802.11ac (VHT40)	MIMO	5190	20	102	5190.040	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5190.040	5150 to 5250	Pass
			-30	120	5190.040	5150 to 5250	Pass
			-20	120	5190.040	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.000	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.040	5150 to 5250	Pass
			40	120	5190.000	5150 to 5250	Pass
			50	120	5190.080	5150 to 5250	Pass
		5230	20	102	5230.040	5150 to 5250	Pass
				120	5230.040	5150 to 5250	Pass
				138	5230.040	5150 to 5250	Pass

			-30	120	5230.000	5150 to 5250	Pass
			-20	120	5230.040	5150 to 5250	Pass
			-10	120	5230.080	5150 to 5250	Pass
			0	120	5230.040	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.000	5150 to 5250	Pass
			40	120	5230.000	5150 to 5250	Pass
			50	120	5230.040	5150 to 5250	Pass
802.11ac (VHT80)	MIMO	5210	20	102	5210.000	5150 to 5250	Pass
				120	5210.000	5150 to 5250	Pass
				138	5210.000	5150 to 5250	Pass
			-30	120	5210.000	5150 to 5250	Pass
			-20	120	5210.000	5150 to 5250	Pass
			-10	120	5210.075	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.000	5150 to 5250	Pass
			30	120	5210.075	5150 to 5250	Pass
			40	120	5210.075	5150 to 5250	Pass
			50	120	5210.000	5150 to 5250	Pass

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ac (VHT20)	MIMO	5745	20	102	5745.020	5725 to 5850	Pass
				120	5745.080	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5745.040	5725 to 5850	Pass
			-20	120	5745.040	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5745.020	5725 to 5850	Pass
			10	120	5745.060	5725 to 5850	Pass
			30	120	5745.000	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.020	5725 to 5850	Pass
		5785	20	102	5785.020	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.000	5725 to 5850	Pass
			-30	120	5785.040	5725 to 5850	Pass
			-20	120	5784.980	5725 to 5850	Pass
			-10	120	5785.040	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5785.000	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass
			40	120	5785.000	5725 to 5850	Pass
			50	120	5785.020	5725 to 5850	Pass
		5825	20	102	5824.980	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5824.960	5725 to 5850	Pass
			-20	120	5824.980	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5824.980	5725 to 5850	Pass
			10	120	5824.960	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5824.980	5725 to 5850	Pass
			50	120	5824.960	5725 to 5850	Pass
802.11ac (VHT40)	MIMO	5755	20	102	5755.040	5725 to 5850	Pass
				120	5755.040	5725 to 5850	Pass
				138	5755.040	5725 to 5850	Pass
			-30	120	5755.080	5725 to 5850	Pass

			-20	120	5755.080	5725 to 5850	Pass
			-10	120	5755.080	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.040	5725 to 5850	Pass
			30	120	5755.080	5725 to 5850	Pass
			40	120	5755.040	5725 to 5850	Pass
			50	120	5755.040	5725 to 5850	Pass
		5795	20	102	5795.080	5725 to 5850	Pass
				120	5795.080	5725 to 5850	Pass
				138	5795.040	5725 to 5850	Pass
			-30	120	5795.000	5725 to 5850	Pass
			-20	120	5795.040	5725 to 5850	Pass
			-10	120	5795.040	5725 to 5850	Pass
			0	120	5795.040	5725 to 5850	Pass
			10	120	5795.080	5725 to 5850	Pass
			30	120	5795.040	5725 to 5850	Pass
			40	120	5795.040	5725 to 5850	Pass
			50	120	5795.000	5725 to 5850	Pass
802.11ac (VHT80)	MIMO	5775	20	102	5775.075	5725 to 5850	Pass
				120	5775.075	5725 to 5850	Pass
				138	5774.700	5725 to 5850	Pass
			-30	120	5775.075	5725 to 5850	Pass
			-20	120	5775.075	5725 to 5850	Pass
			-10	120	5775.150	5725 to 5850	Pass
			0	120	5775.075	5725 to 5850	Pass
			10	120	5775.075	5725 to 5850	Pass
			30	120	5775.150	5725 to 5850	Pass
			40	120	5774.850	5725 to 5850	Pass
			50	120	5775.150	5725 to 5850	Pass

**Module 2**

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ac (VHT20)	MIMO	5180	20	102	5180.000	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
			-30	120	5180.020	5150 to 5250	Pass
			-20	120	5179.960	5150 to 5250	Pass
			-10	120	5180.060	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.000	5150 to 5250	Pass
			40	120	5180.040	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5199.980	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
				138	5200.020	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.000	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.040	5150 to 5250	Pass
			30	120	5200.040	5150 to 5250	Pass
			40	120	5200.000	5150 to 5250	Pass
			50	120	5200.020	5150 to 5250	Pass
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5240.020	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass

			-30	120	5240.000	5150 to 5250	Pass
			-20	120	5240.020	5150 to 5250	Pass
			-10	120	5240.000	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.040	5150 to 5250	Pass
			30	120	5240.040	5150 to 5250	Pass
			40	120	5240.040	5150 to 5250	Pass
			50	120	5240.020	5150 to 5250	Pass
802.11ac (VHT40)	MIMO	5190	20	102	5190.040	5150 to 5250	Pass
				120	5189.760	5150 to 5250	Pass
				138	5189.600	5150 to 5250	Pass
			-30	120	5189.680	5150 to 5250	Pass
			-20	120	5189.680	5150 to 5250	Pass
			-10	120	5189.720	5150 to 5250	Pass
			0	120	5190.040	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5189.760	5150 to 5250	Pass
			40	120	5189.680	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5229.640	5150 to 5250	Pass
				120	5229.640	5150 to 5250	Pass
				138	5229.680	5150 to 5250	Pass
			-30	120	5229.720	5150 to 5250	Pass
			-20	120	5229.600	5150 to 5250	Pass
			-10	120	5229.680	5150 to 5250	Pass
			0	120	5230.040	5150 to 5250	Pass
			10	120	5229.680	5150 to 5250	Pass
			30	120	5229.720	5150 to 5250	Pass
			40	120	5229.640	5150 to 5250	Pass
			50	120	5229.680	5150 to 5250	Pass
802.11ac (VHT80)	MIMO	5210	20	102	5210.075	5150 to 5250	Pass
				120	5210.000	5150 to 5250	Pass
				138	5210.075	5150 to 5250	Pass
			-30	120	5210.000	5150 to 5250	Pass
			-20	120	5210.000	5150 to 5250	Pass
			-10	120	5210.075	5150 to 5250	Pass
			0	120	5210.000	5150 to 5250	Pass
			10	120	5210.000	5150 to 5250	Pass
			30	120	5210.075	5150 to 5250	Pass
			40	120	5210.000	5150 to 5250	Pass
			50	120	5210.075	5150 to 5250	Pass

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1			Verdict
				Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	
802.11ac (VHT20)	MIMO	5745	20	102	5745.080	5725 to 5850	Pass
				120	5745.060	5725 to 5850	Pass
				138	5745.080	5725 to 5850	Pass
			-30	120	5745.080	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.040	5725 to 5850	Pass
			0	120	5745.060	5725 to 5850	Pass
			10	120	5745.060	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.060	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
		5785	20	102	5784.980	5725 to 5850	Pass
				120	5785.000	5725 to 5850	Pass
				138	5785.020	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5785.060	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass

			0	120	5785.040	5725 to 5850	Pass
			10	120	5785.000	5725 to 5850	Pass
			30	120	5784.980	5725 to 5850	Pass
			40	120	5785.040	5725 to 5850	Pass
			50	120	5785.040	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.060	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5825.000	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5825.040	5725 to 5850	Pass
			40	120	5825.020	5725 to 5850	Pass
			50	120	5825.020	5725 to 5850	Pass
802.11ac (VHT40)	MIMO	5755	20	102	5755.080	5725 to 5850	Pass
				120	5755.080	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
			-30	120	5755.080	5725 to 5850	Pass
			-20	120	5755.080	5725 to 5850	Pass
			-10	120	5755.040	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.080	5725 to 5850	Pass
			30	120	5755.040	5725 to 5850	Pass
			40	120	5755.080	5725 to 5850	Pass
			50	120	5755.040	5725 to 5850	Pass
		5795	20	102	5795.040	5725 to 5850	Pass
				120	5795.040	5725 to 5850	Pass
				138	5795.040	5725 to 5850	Pass
			-30	120	5795.040	5725 to 5850	Pass
			-20	120	5795.040	5725 to 5850	Pass
			-10	120	5795.040	5725 to 5850	Pass
			0	120	5795.040	5725 to 5850	Pass
			10	120	5795.080	5725 to 5850	Pass
			30	120	5795.040	5725 to 5850	Pass
802.11ac (VHT80)	MIMO	5775	20	102	5775.075	5725 to 5850	Pass
				120	5775.075	5725 to 5850	Pass
				138	5775.075	5725 to 5850	Pass
			-30	120	5775.075	5725 to 5850	Pass
			-20	120	5775.150	5725 to 5850	Pass
			-10	120	5775.075	5725 to 5850	Pass
			0	120	5775.075	5725 to 5850	Pass
			10	120	5775.075	5725 to 5850	Pass
			30	120	5775.150	5725 to 5850	Pass
			40	120	5775.150	5725 to 5850	Pass
			50	120	5775.075	5725 to 5850	Pass

## 5 Photos of Setup and EUT

Please refer to report A2205279-C01-R02.

-----END OF REPORT-----