

# 1. Duty Cycle

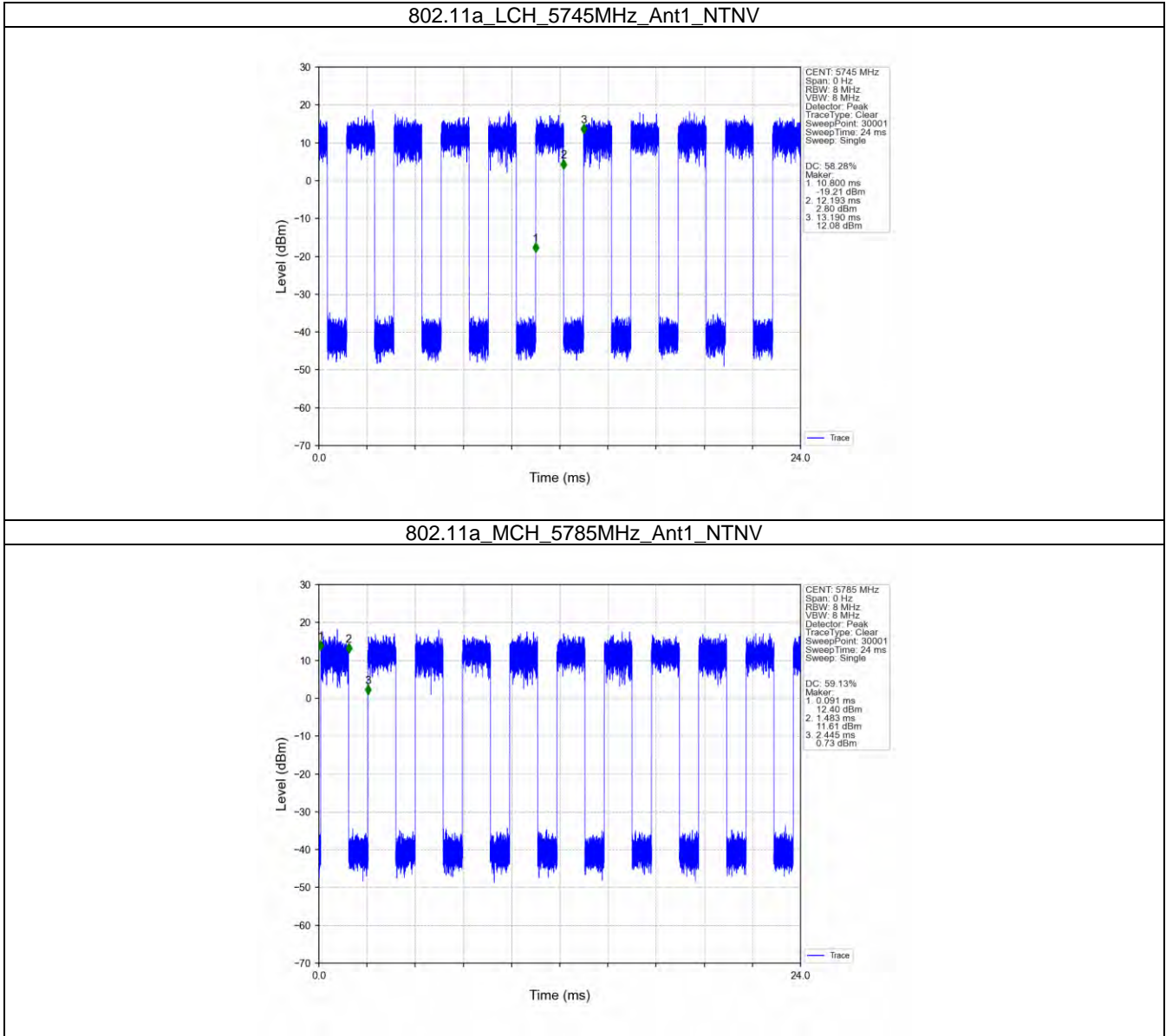
## 1.1 Test Result

### 1.1.1 Ant1

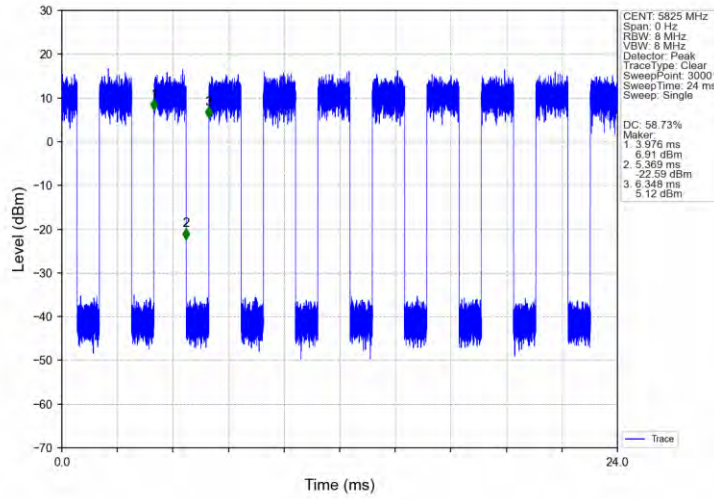
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	1.393	2.390	58.28	2.34	0.91
		5785	1.392	2.354	59.13	2.28	0.01
		5825	1.393	2.372	58.73	2.31	0.44
802.11n (HT20)	SISO	5745	1.288	2.295	56.12	2.51	2.75
		5785	1.288	2.249	57.27	2.42	0.02
		5825	1.288	2.250	57.24	2.42	0.02
802.11n (HT40)	SISO	5755	0.633	1.595	39.69	4.01	0.05
		5795	0.632	1.593	39.67	4.01	17.90
802.11ac (VHT20)	SISO	5745	1.308	2.269	57.65	2.39	1.67
		5785	1.309	2.307	56.74	2.46	1.11
		5825	1.309	2.333	56.11	2.51	2.96
802.11ac (VHT40)	SISO	5755	0.652	1.614	40.40	3.94	0.02
		5795	0.652	1.614	40.40	3.94	0.03
802.11ac (VHT80)	SISO	5775	0.326	1.295	25.17	5.99	0.19
802.11ac (VHT20)	MIMO	5745	1.308	2.270	57.62	2.39	0.04
		5785	1.308	2.269	57.65	2.39	0.04
		5825	1.309	2.306	56.76	2.46	2.53
802.11ac (VHT40)	MIMO	5755	0.652	1.615	40.37	3.94	0.05
		5795	0.652	1.622	40.20	3.96	20.04
802.11ac (VHT80)	MIMO	5775	0.326	1.366	23.87	6.22	1.53

## 1.2 Test Graph

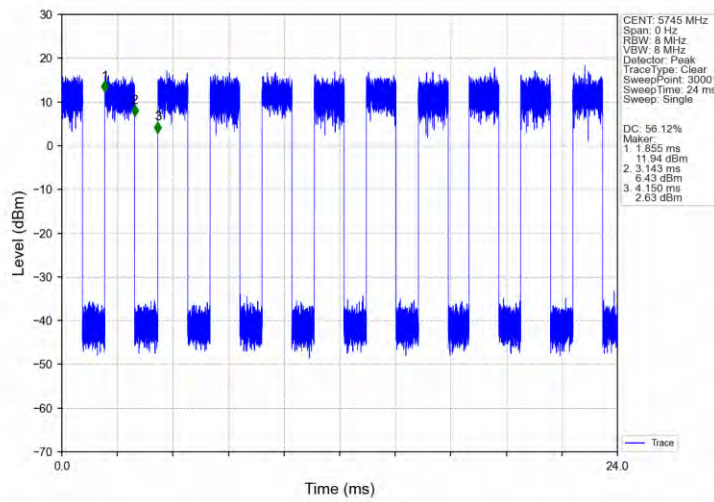
### 1.2.1 Ant1



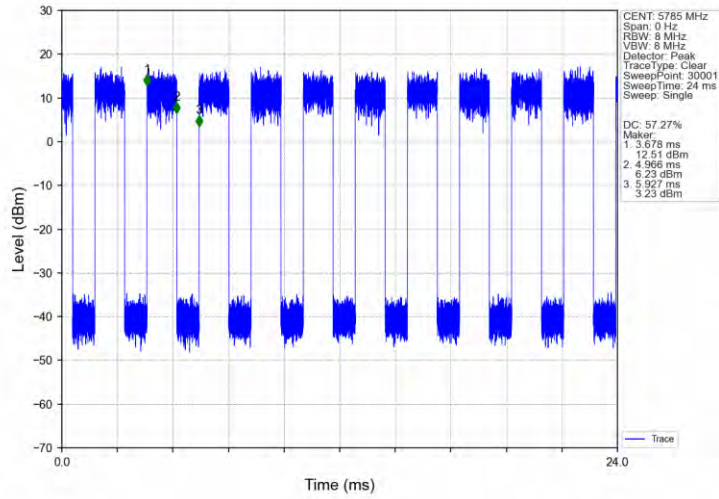
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



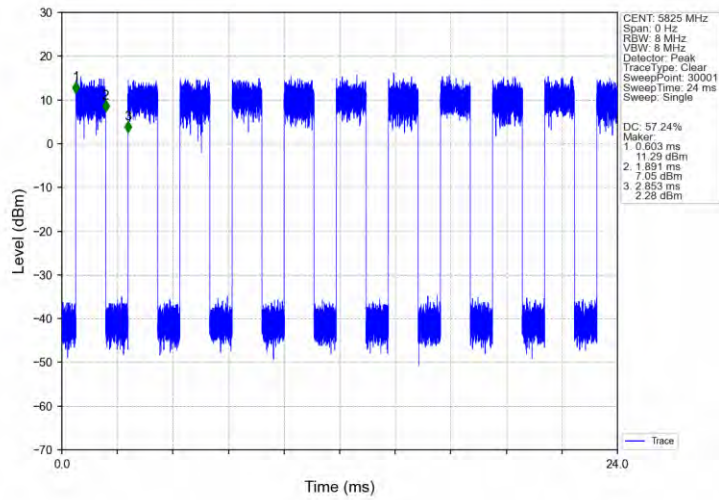
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



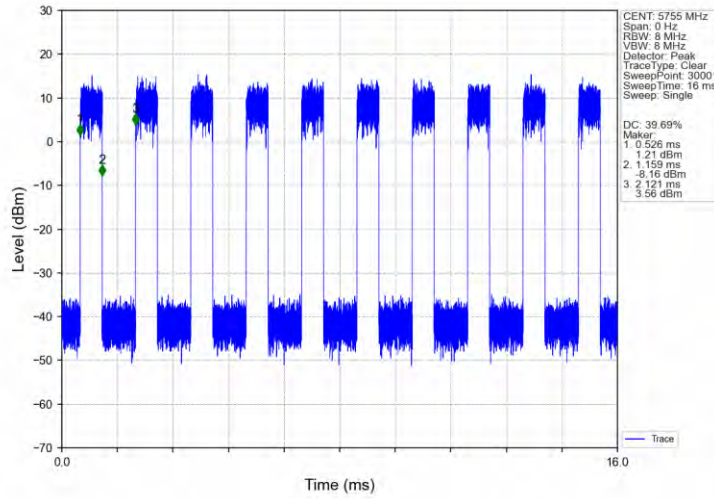
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



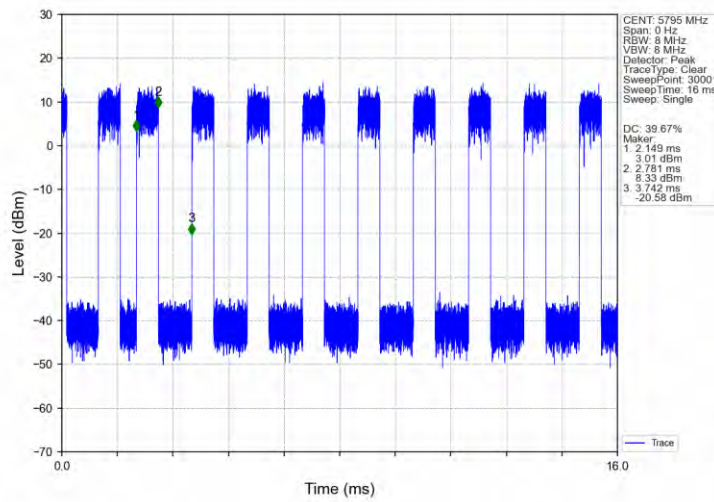
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



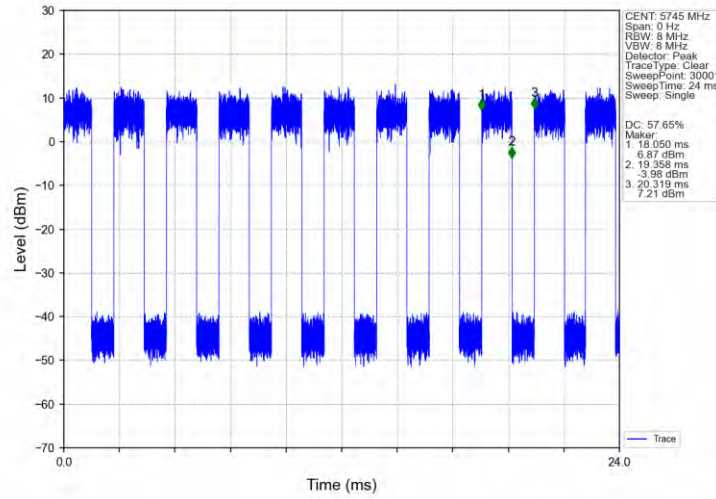
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



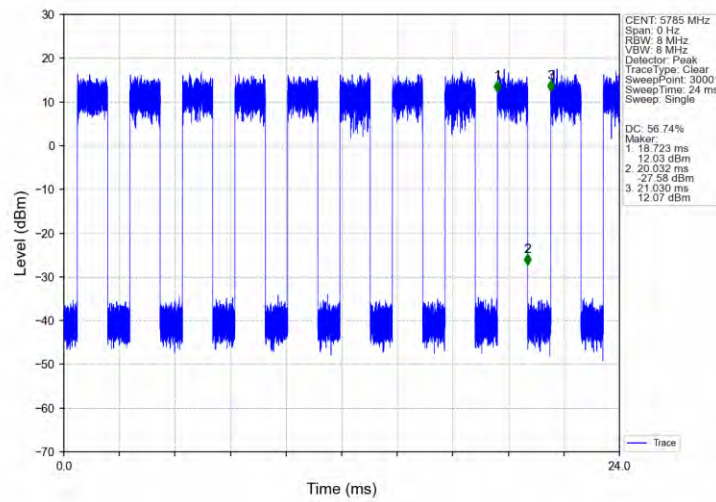
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



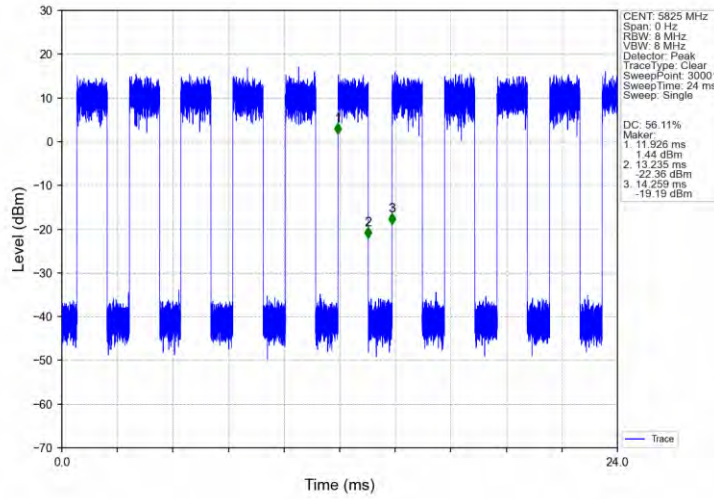
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



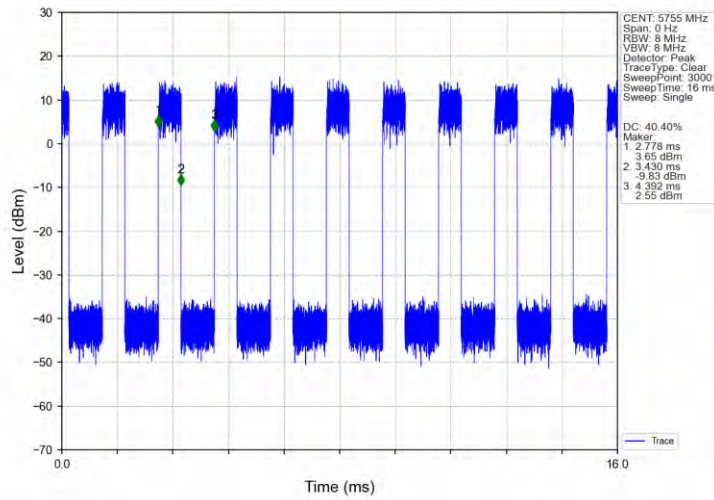
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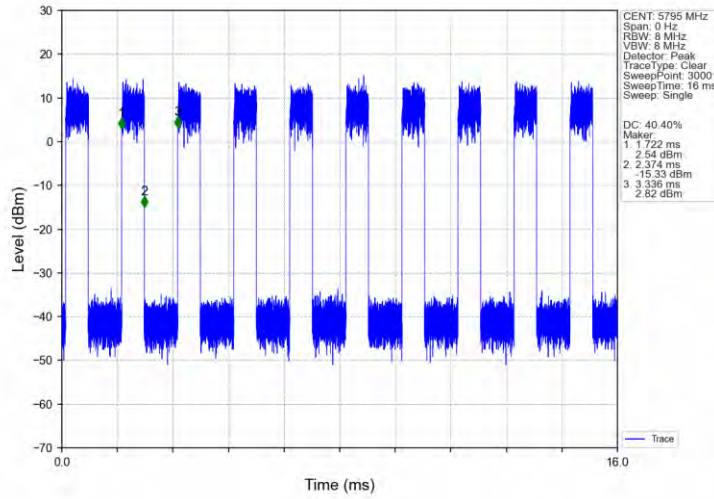
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



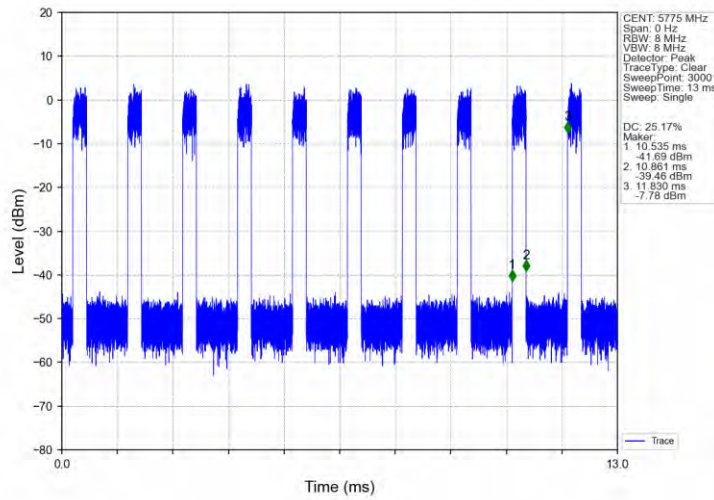
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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

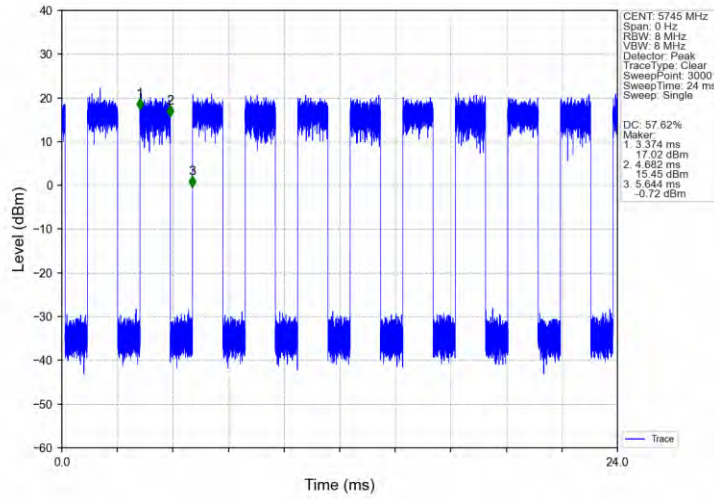


802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

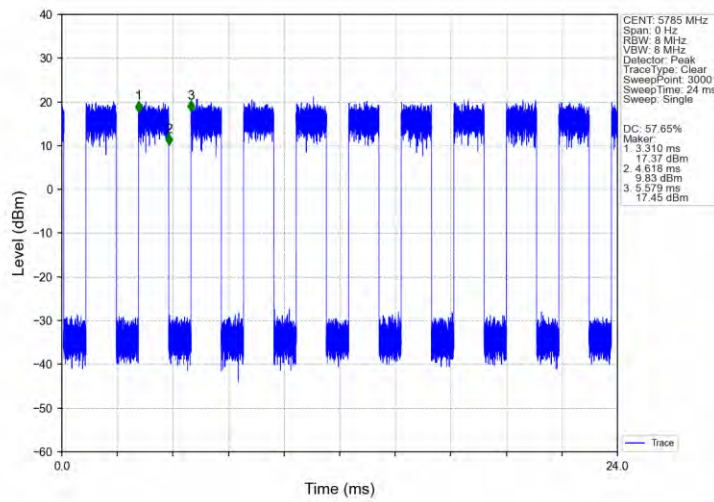




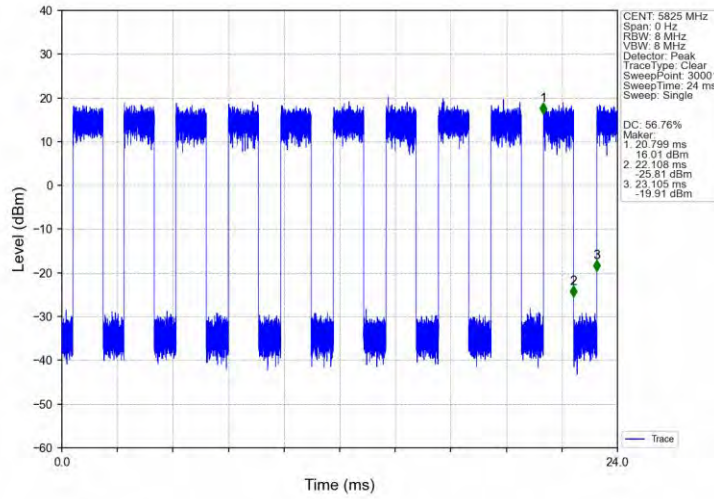
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



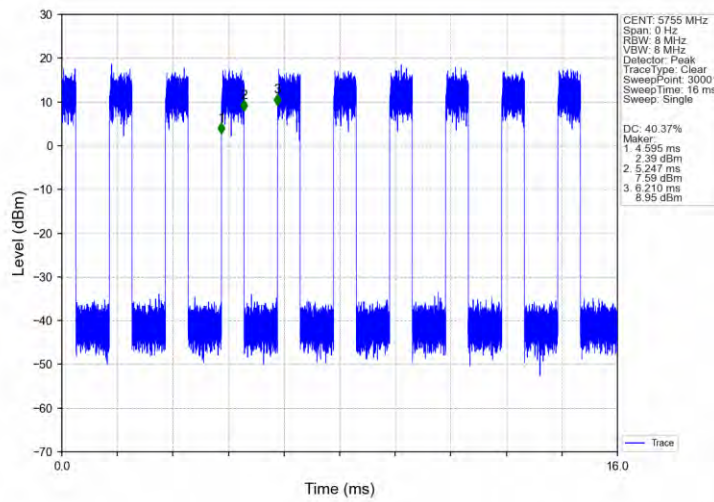
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



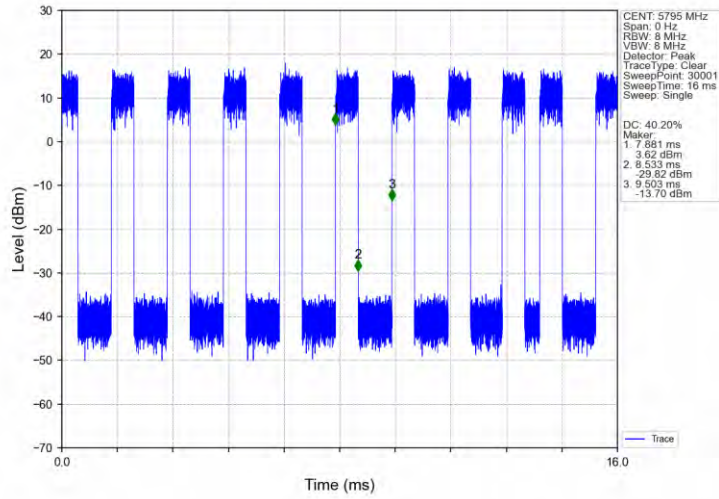
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



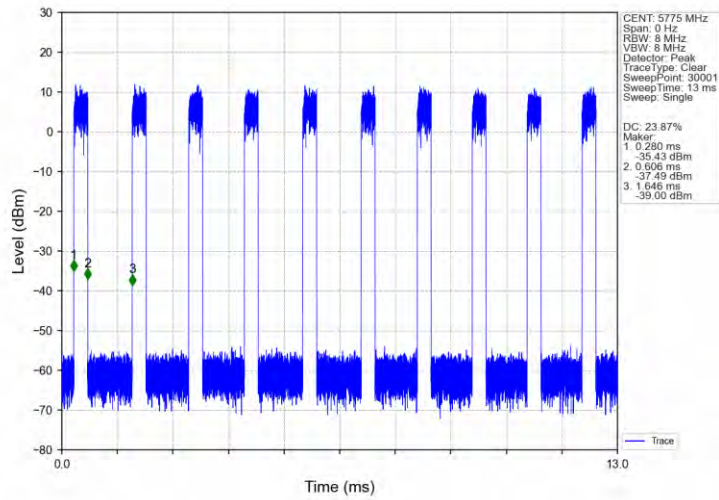
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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



## 2. Bandwidth

### 2.1 Test Result

#### 2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	17.087	/	Pass
		5785	1	17.020	/	Pass
		5825	1	17.109	/	Pass
802.11n (HT20)	SISO	5745	1	17.973	/	Pass
		5785	1	17.881	/	Pass
		5825	1	18.029	/	Pass
802.11n (HT40)	SISO	5755	1	36.068	/	Pass
		5795	1	36.343	/	Pass
802.11ac (VHT20)	SISO	5745	1	18.043	/	Pass
		5785	1	17.874	/	Pass
		5825	1	17.963	/	Pass
802.11ac (VHT40)	SISO	5755	1	36.080	/	Pass
		5795	1	36.126	/	Pass
802.11ac (VHT80)	SISO	5775	1	76.078	/	Pass
802.11ac (VHT20)	MIMO	5745	1	18.222	/	Pass
		5785	1	18.034	/	Pass
		5825	1	18.408	/	Pass
802.11ac (VHT40)	MIMO	5755	1	36.223	/	Pass
		5795	1	36.445	/	Pass
802.11ac (VHT80)	MIMO	5775	1	76.285	/	Pass

#### 2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.093	>=0.5	Pass
		5785	1	15.021	>=0.5	Pass
		5825	1	15.113	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	15.132	>=0.5	Pass
		5785	1	15.089	>=0.5	Pass
		5825	1	15.093	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.105	>=0.5	Pass
		5795	1	35.105	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	15.109	>=0.5	Pass
		5785	1	13.896	>=0.5	Pass
		5825	1	15.064	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.106	>=0.5	Pass
		5795	1	35.107	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.736	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	15.103	>=0.5	Pass
		5785	1	15.128	>=0.5	Pass
		5825	1	15.123	>=0.5	Pass
802.11ac	MIMO	5755	1	35.077	>=0.5	Pass

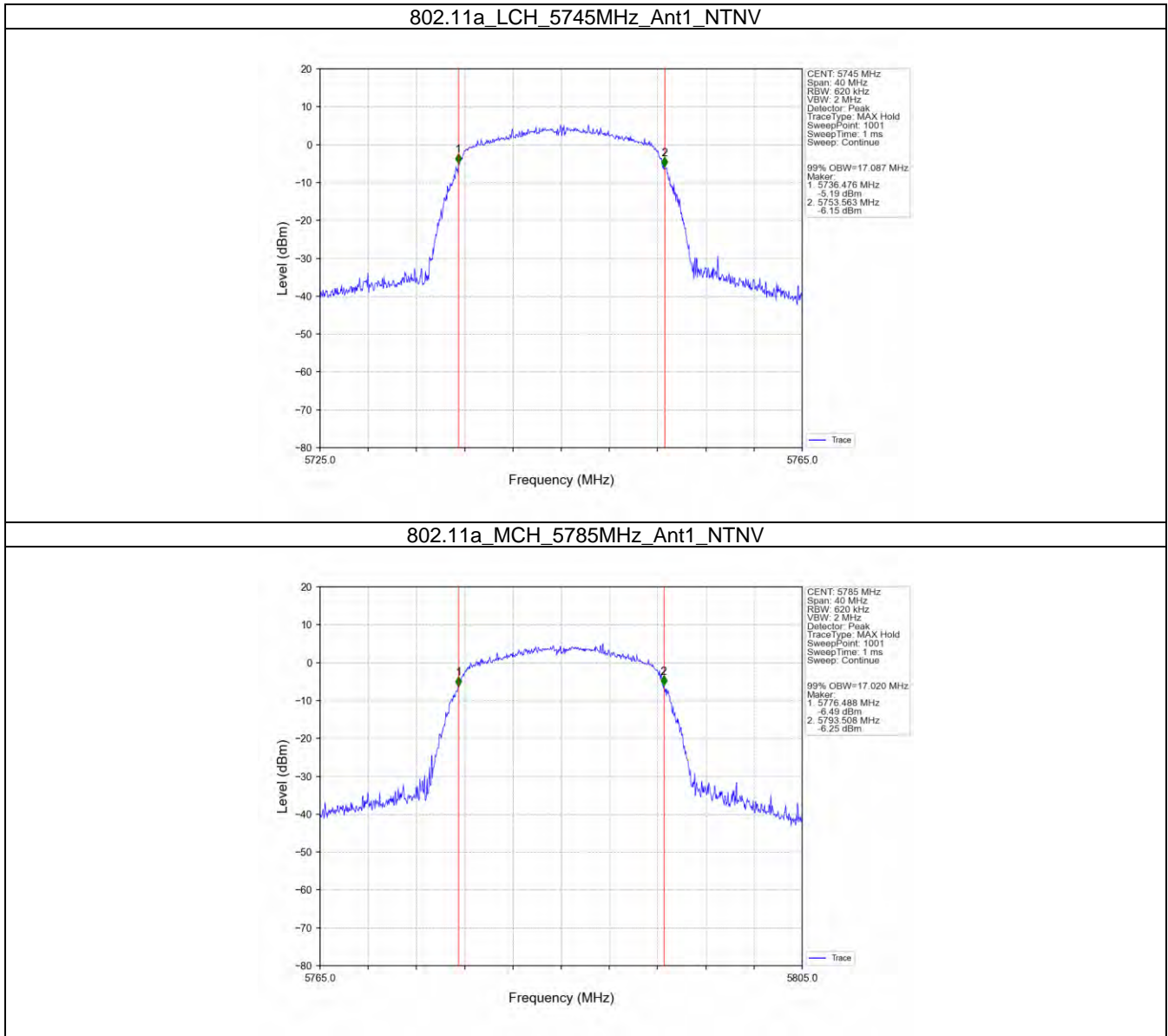


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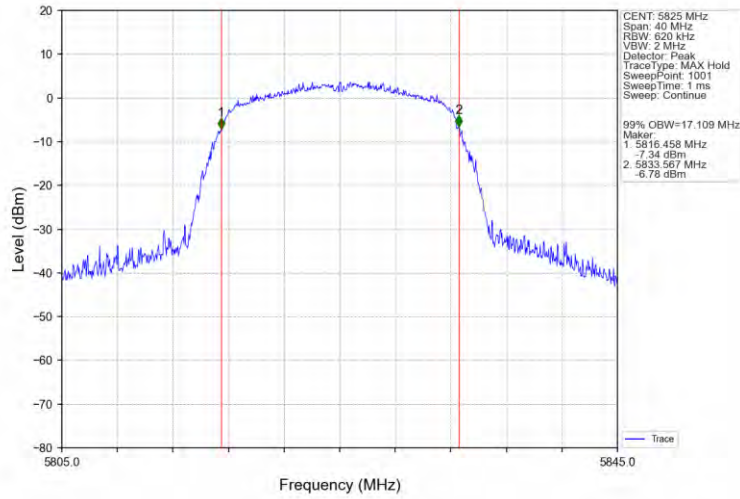
(VHT40)		5795	1	35.100	$\geq 0.5$	Pass
802.11ac (VHT80)	MIMO	5775	1	75.217	$\geq 0.5$	Pass

## 2.2 Test Graph

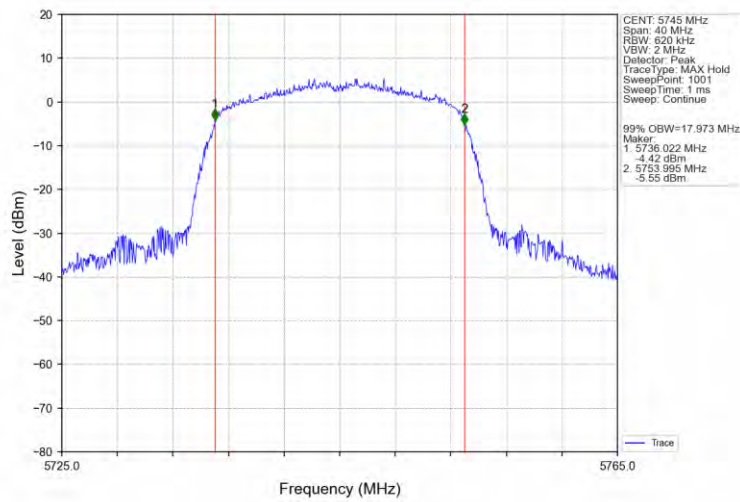
### 2.2.1 OBW



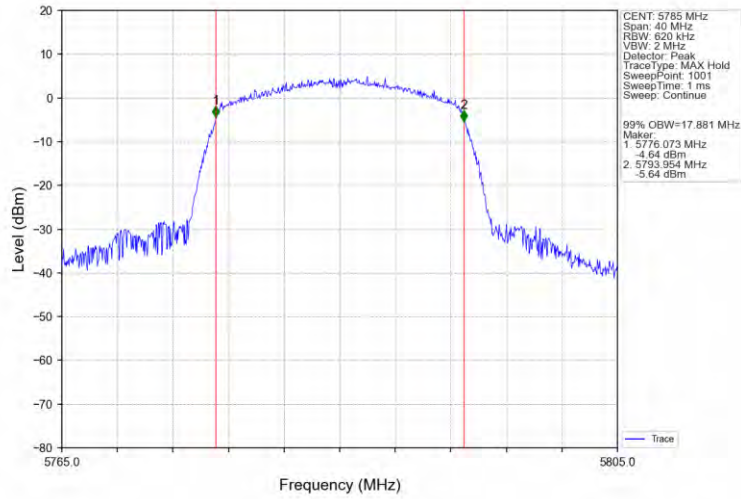
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



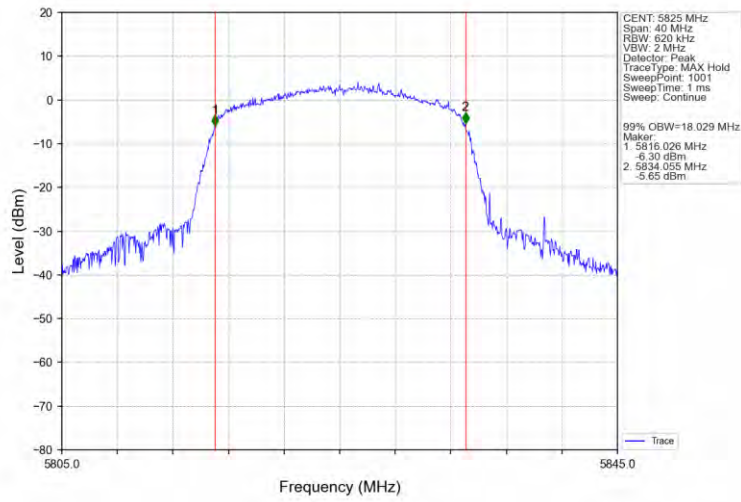
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV

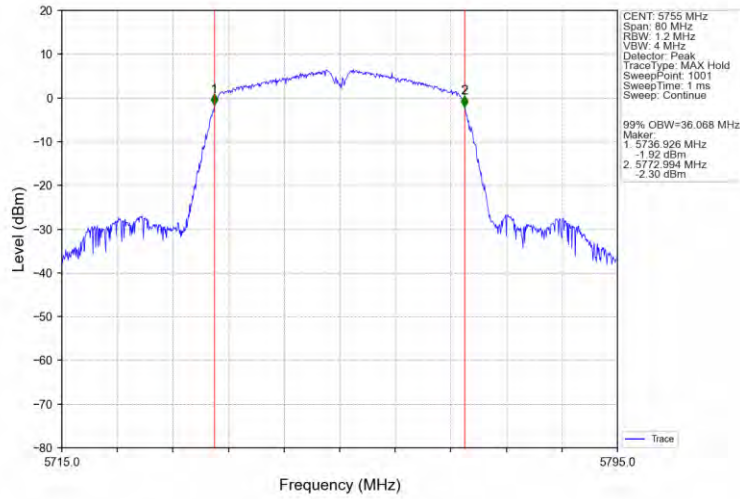


802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

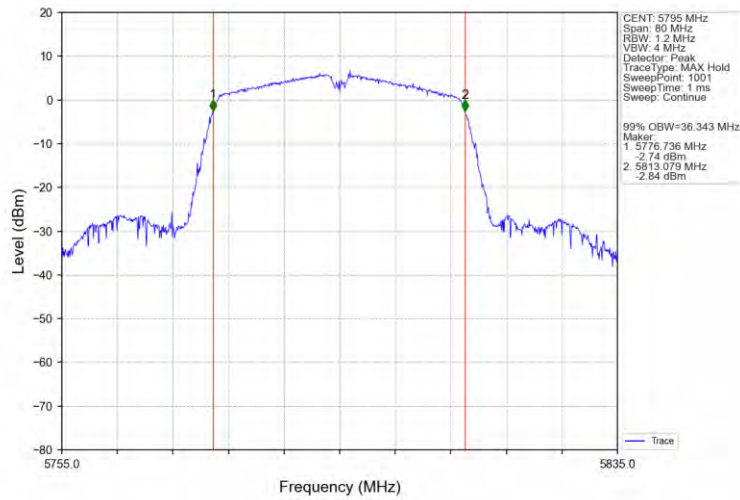




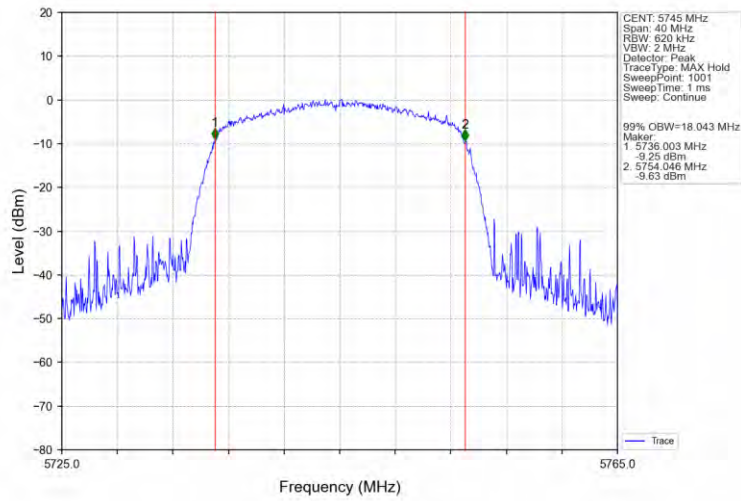
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



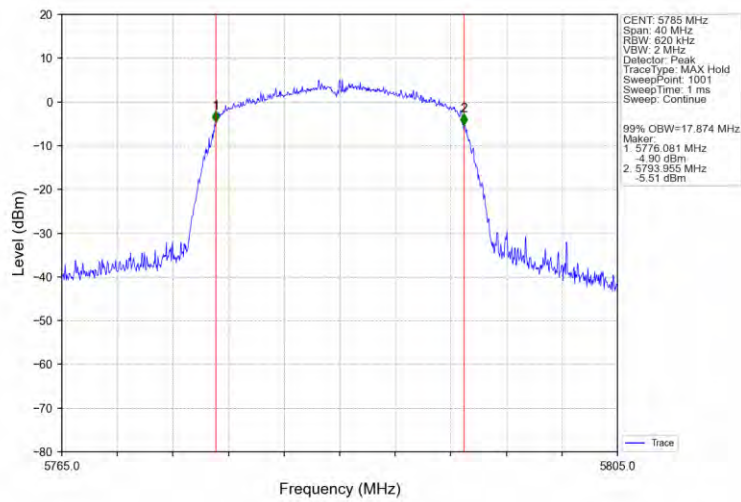
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



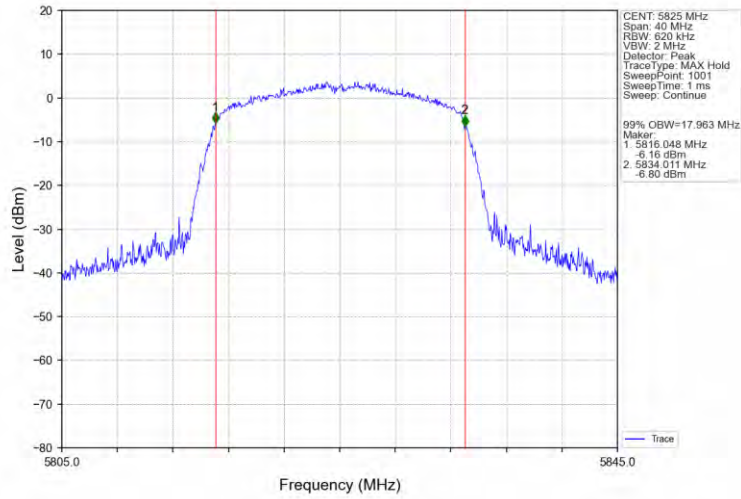
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



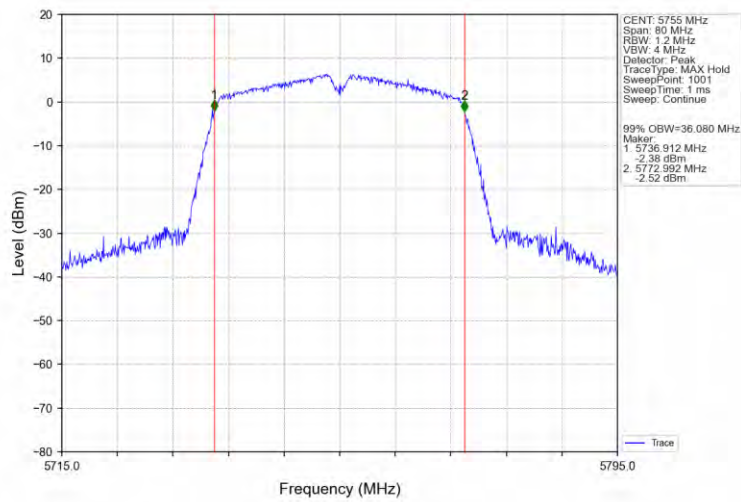
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



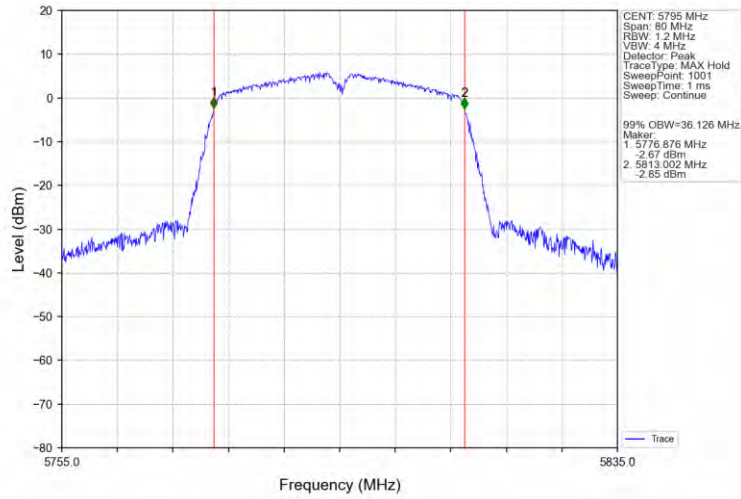
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



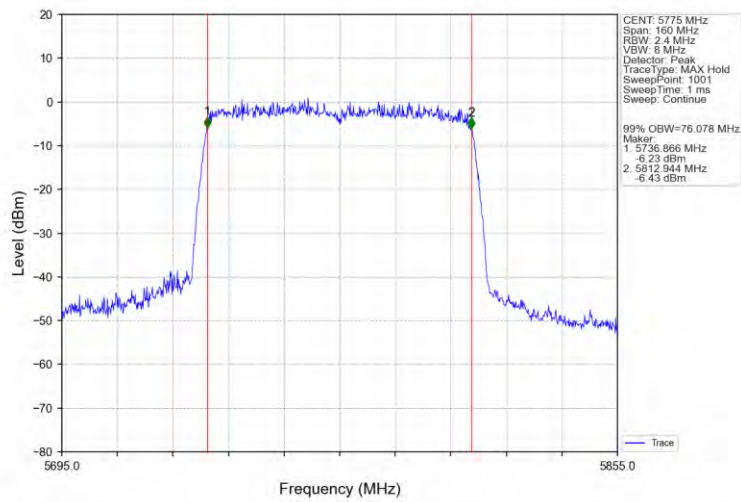
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



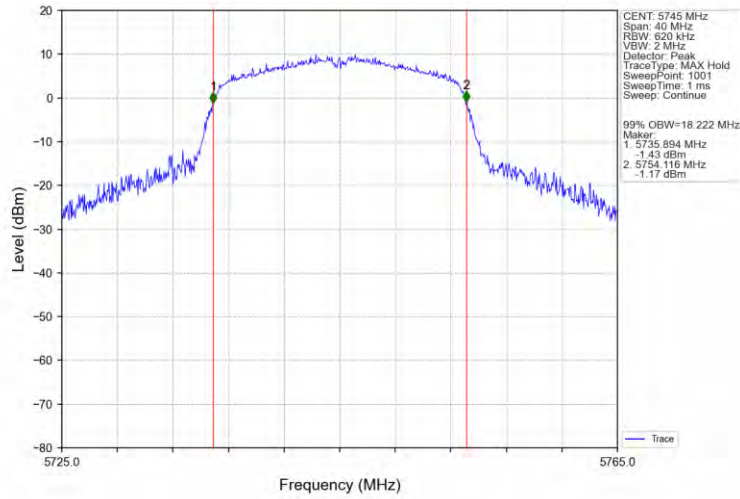
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



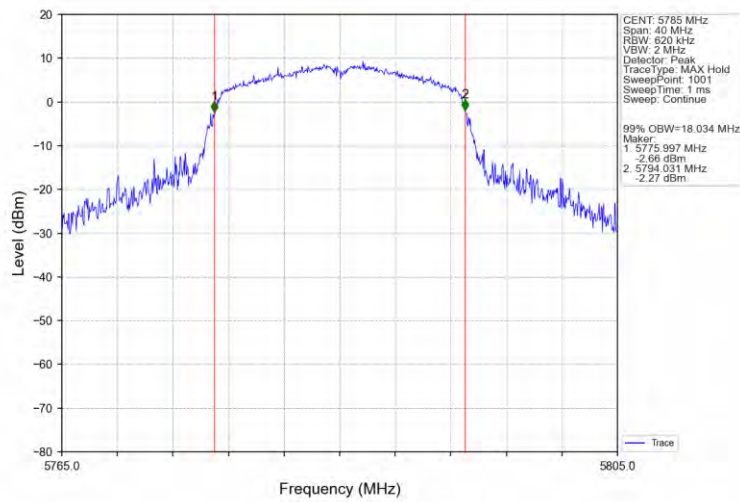
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



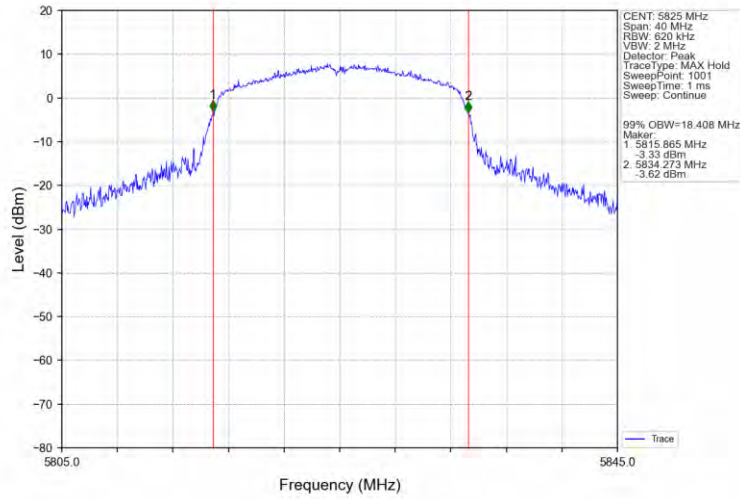
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



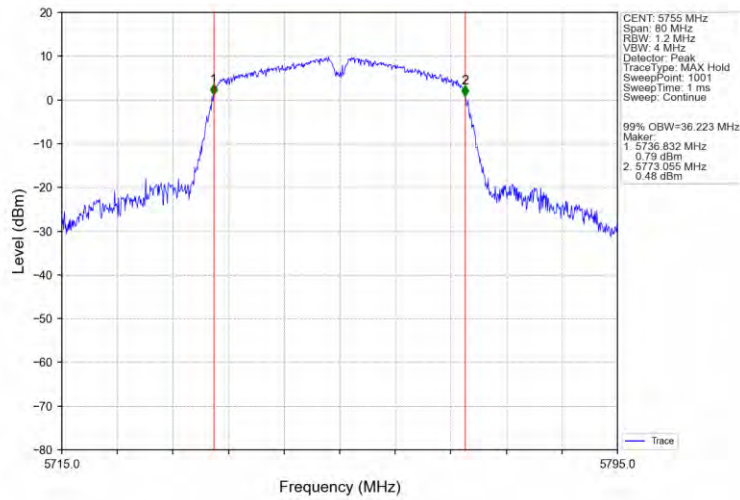
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



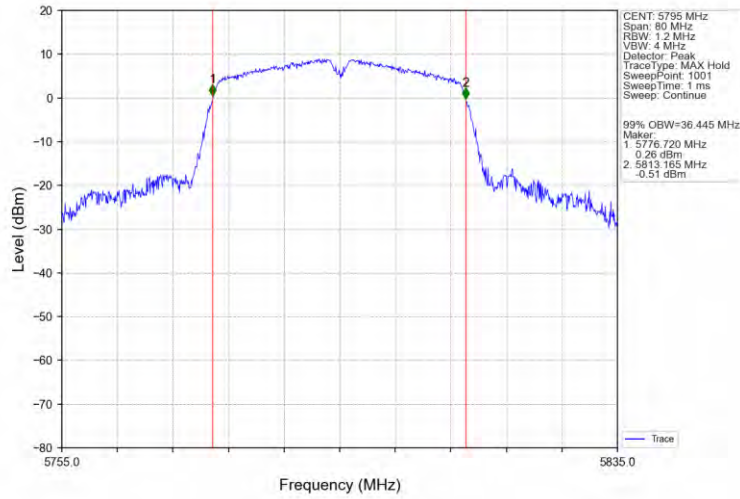
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



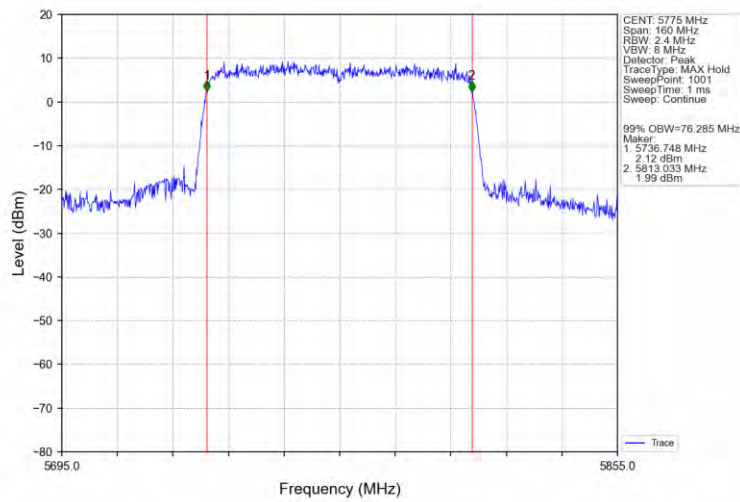
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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

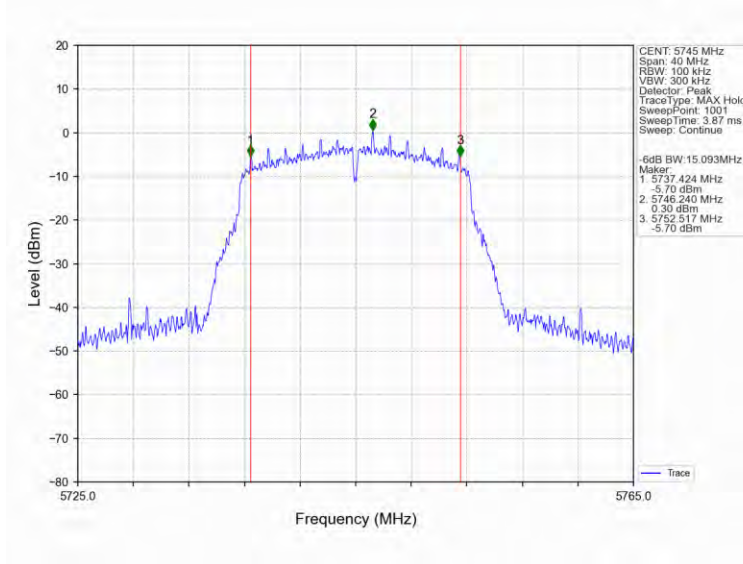


802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV

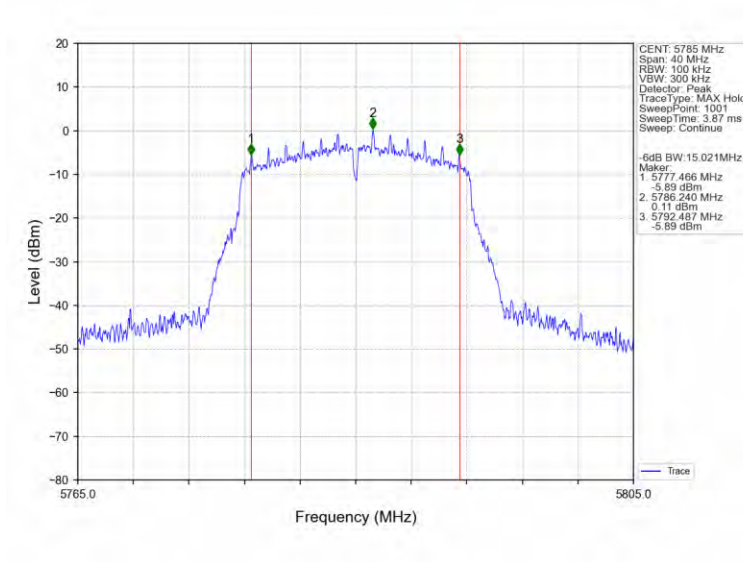


### 2.2.2 6dB BW

802.11a\_LCH\_5745MHz\_Ant1\_NTNV

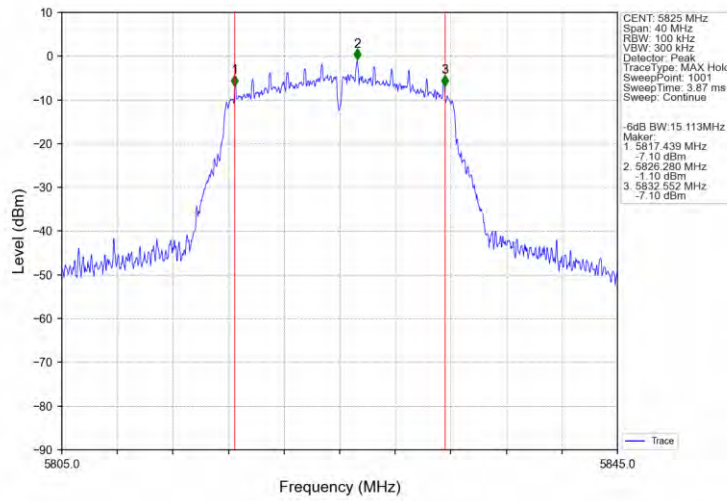


802.11a\_MCH\_5785MHz\_Ant1\_NTNV

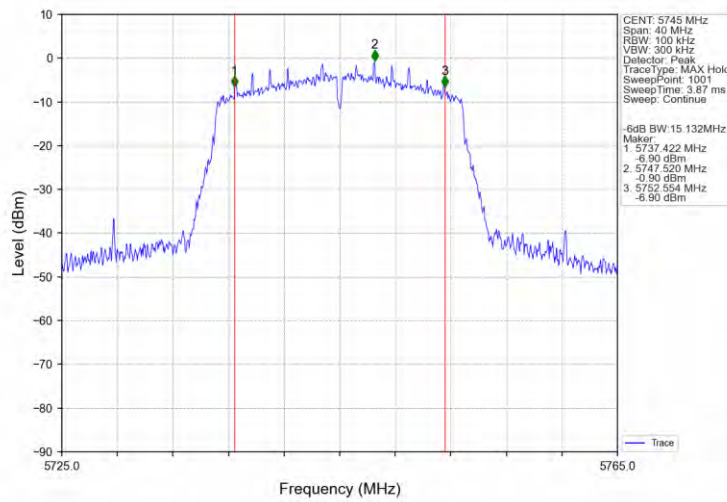




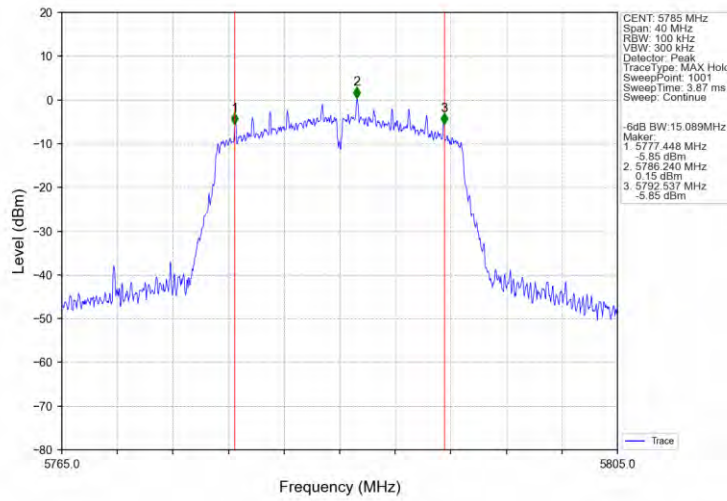
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



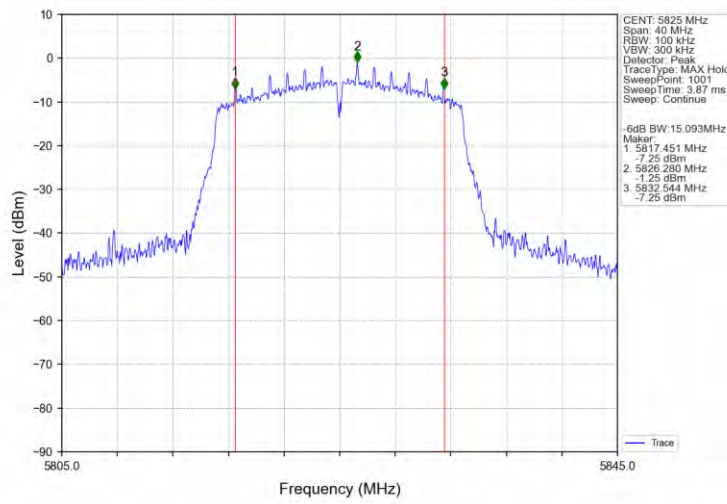
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



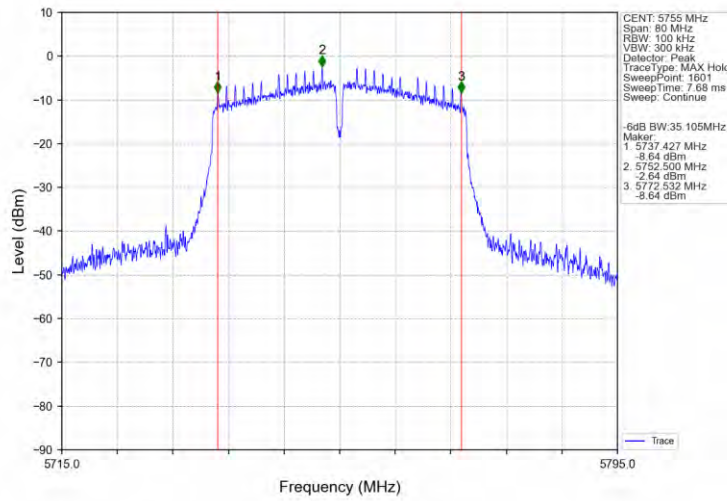
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



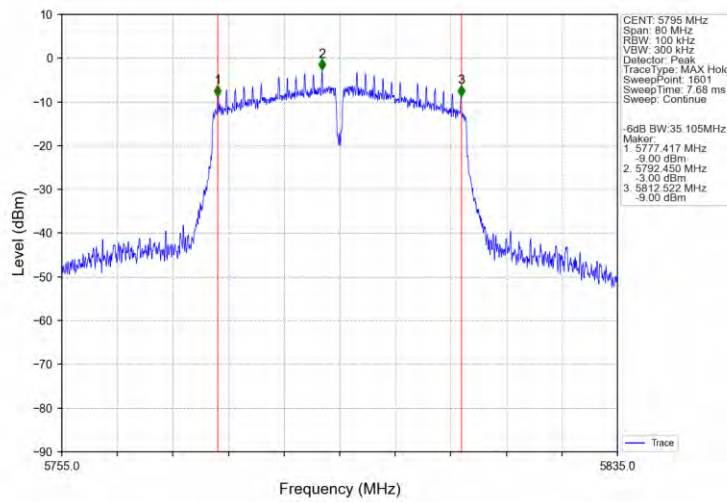
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



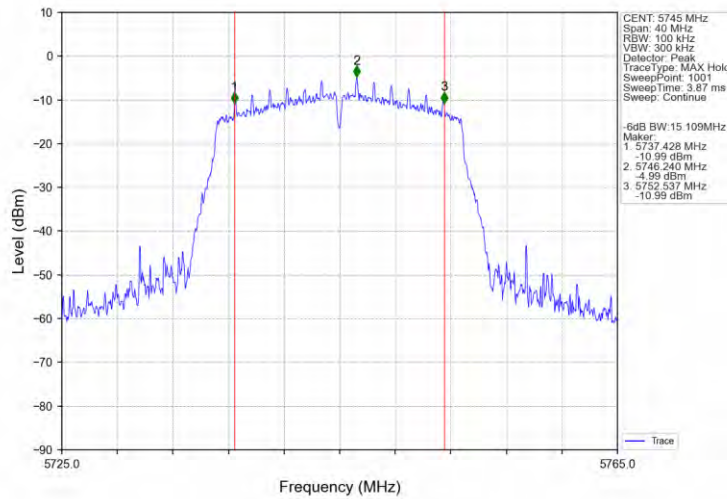
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



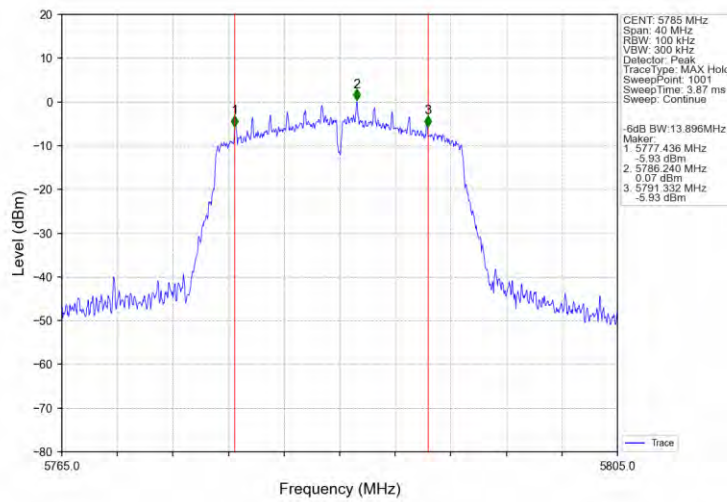
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



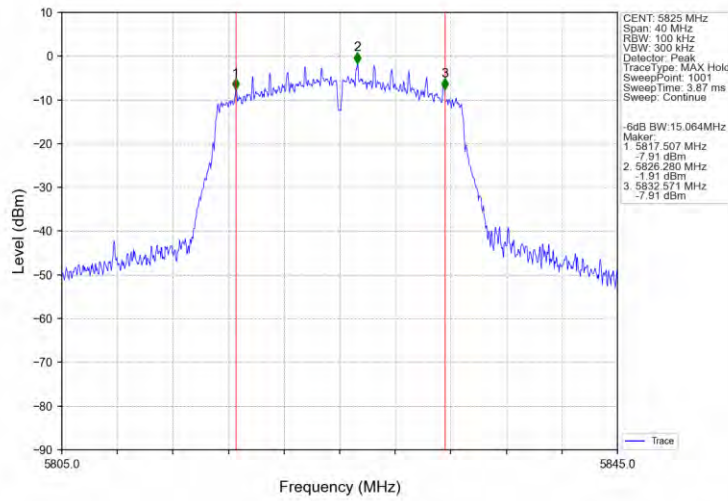
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



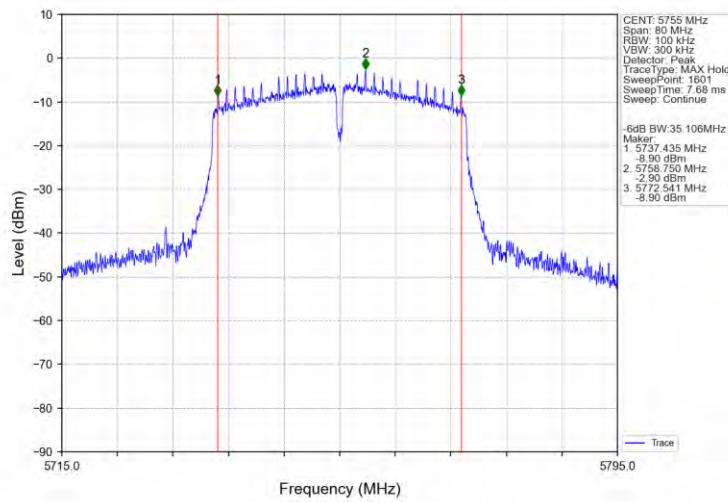
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



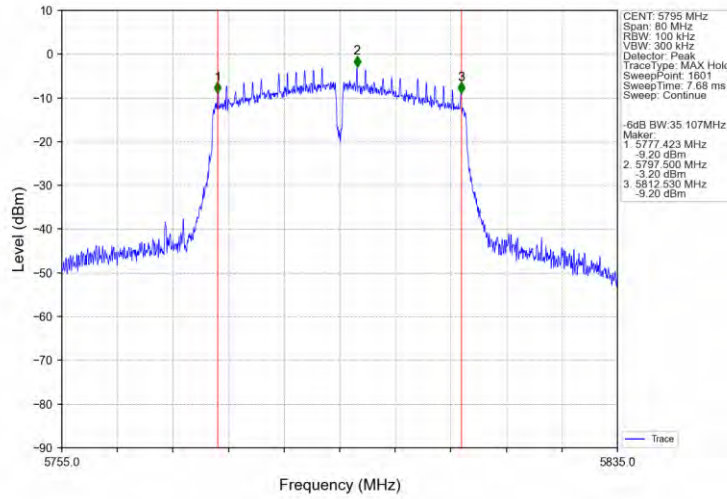
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



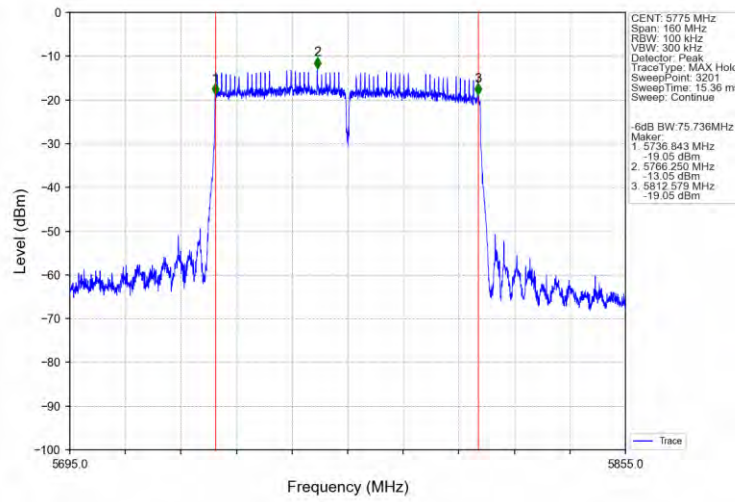
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



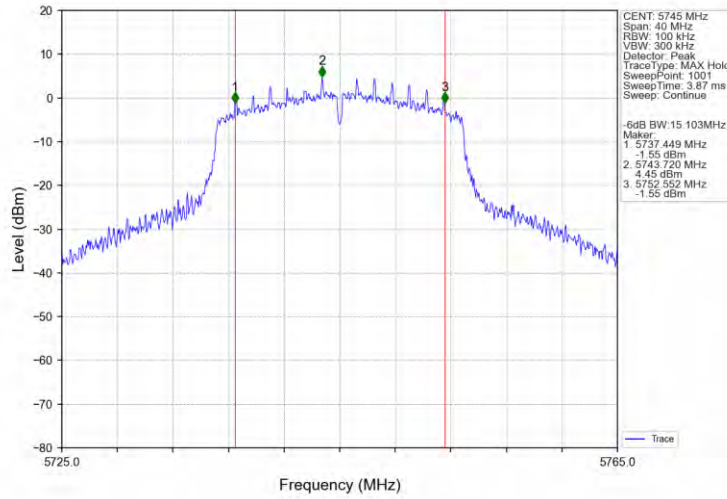
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



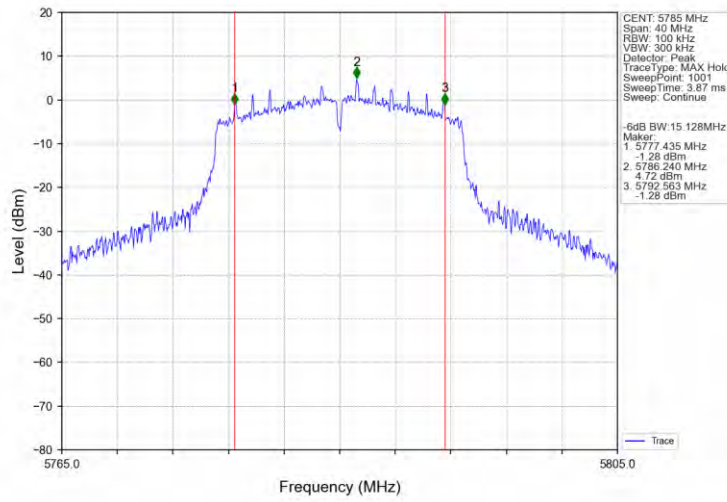
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



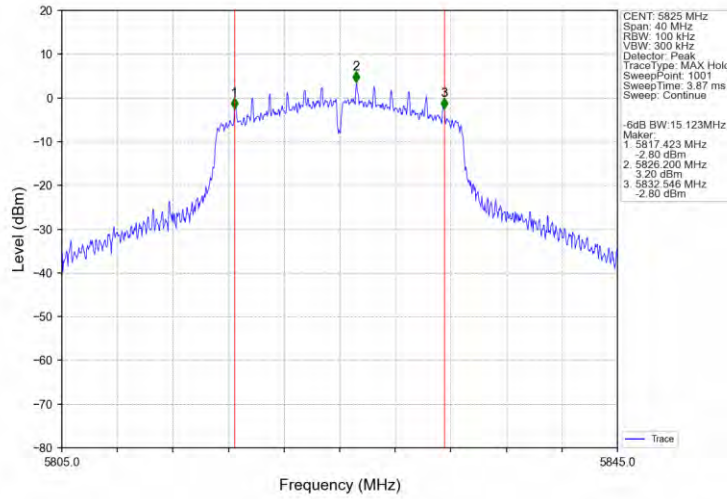
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



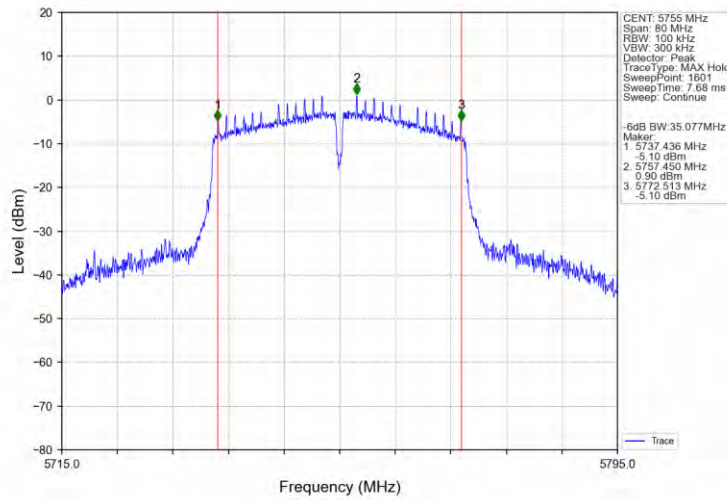
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV

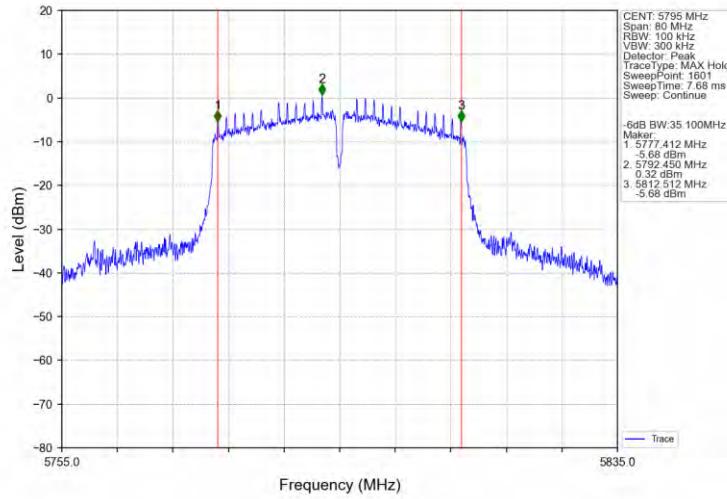


802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV

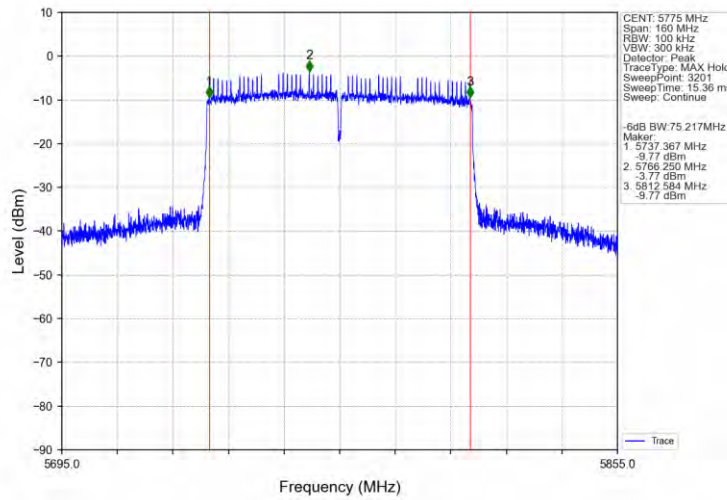




802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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



### 3. Maximum Conducted Output Power

#### 3.1 Test Result

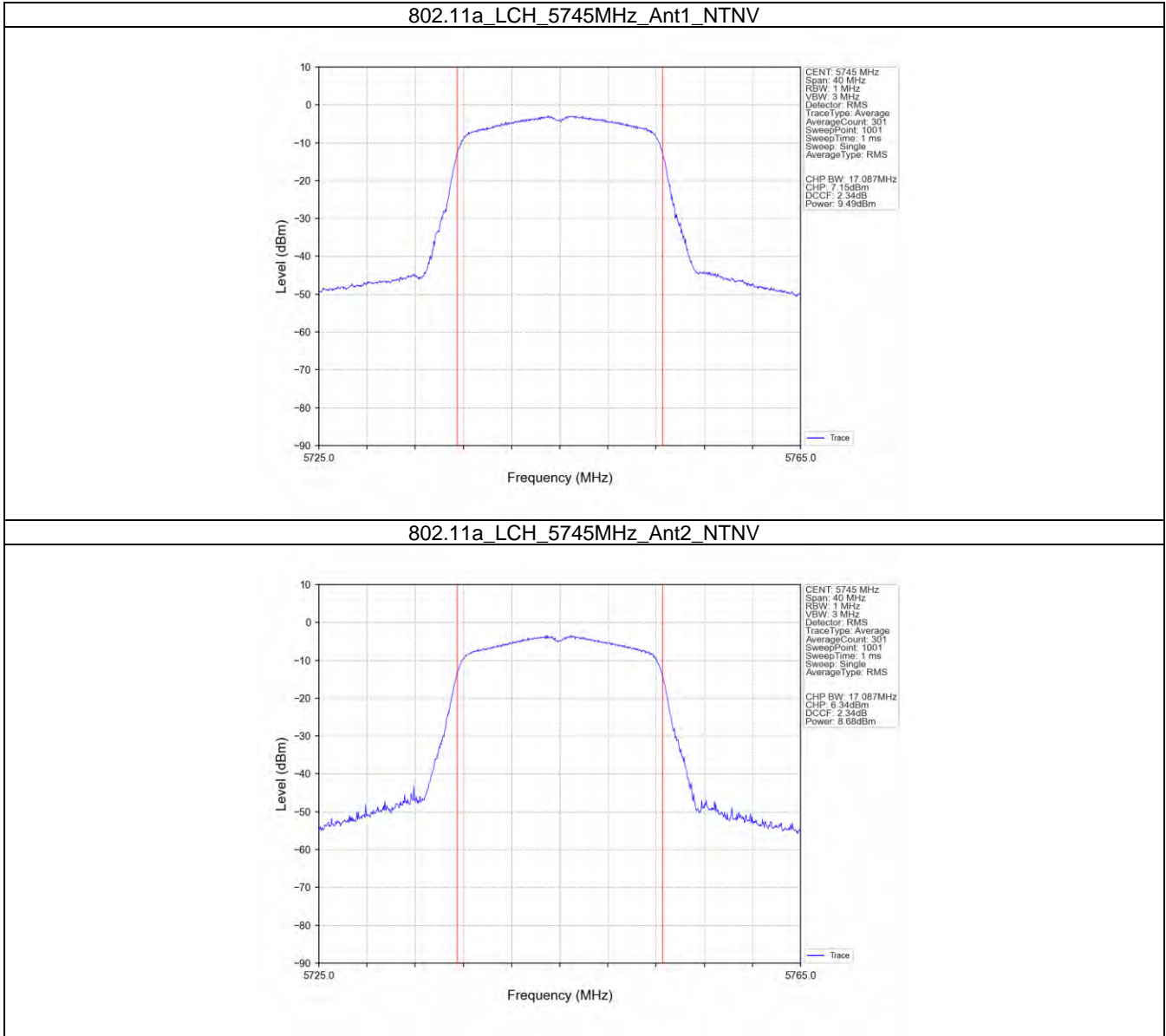
##### 3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	9.49	8.68	/	<=30	Pass
		5785	9.18	8.62	/	<=30	Pass
		5825	8.27	7.02	/	<=30	Pass
802.11n (HT20)	SISO	5745	9.47	7.52	/	<=30	Pass
		5785	9.39	7.41	/	<=30	Pass
		5825	7.90	6.75	/	<=30	Pass
802.11n (HT40)	SISO	5755	9.74	8.20	/	<=30	Pass
		5795	9.45	7.66	/	<=30	Pass
802.11ac (VHT20)	SISO	5745	4.25	6.97	/	<=30	Pass
		5785	9.58	7.56	/	<=30	Pass
		5825	8.11	6.73	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	10.13	7.80	/	<=30	Pass
		5795	9.33	7.99	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	3.56	6.71	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	14.19	17.20	18.96	<=30	Pass
		5785	13.58	17.19	18.76	<=30	Pass
		5825	12.46	16.45	17.91	<=30	Pass
802.11ac (VHT40)	MIMO	5755	13.47	16.36	18.16	<=30	Pass
		5795	12.73	16.45	17.99	<=30	Pass
802.11ac (VHT80)	MIMO	5775	12.70	14.96	16.99	<=30	Pass

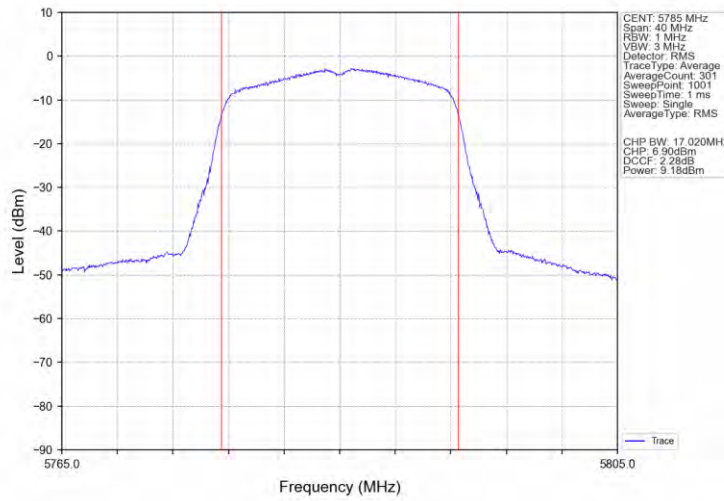
Note1: Antenna Gain: Ant1: 1.50dBi; Ant2: 1.50dBi;  
 Note2: Directional Gain: Band3: 4.51dBi

### 3.2 Test Graph

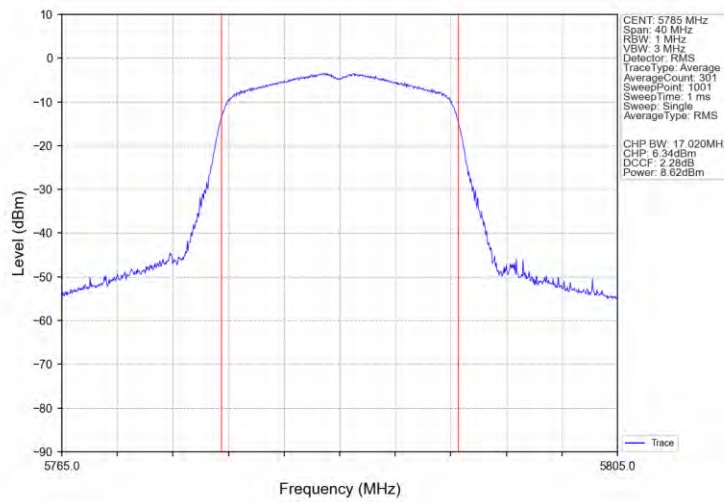
#### 3.2.1 Power



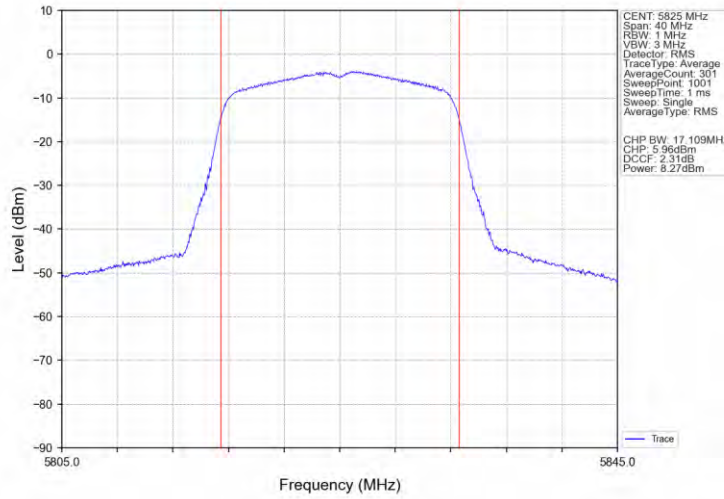
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



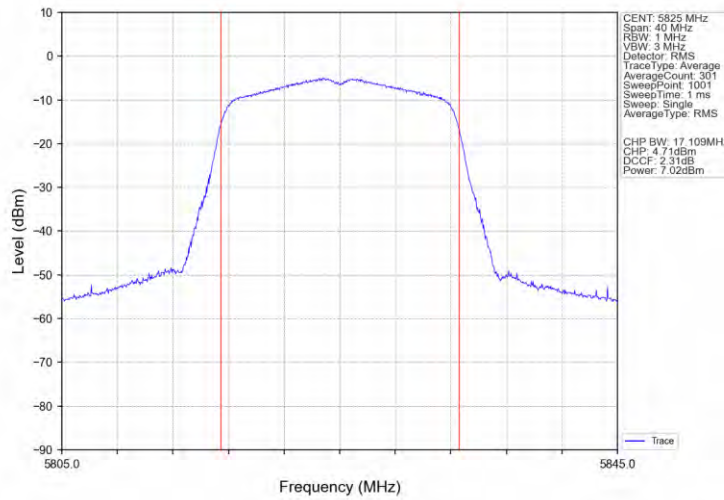
802.11a\_MCH\_5785MHz\_Ant2\_NTNV



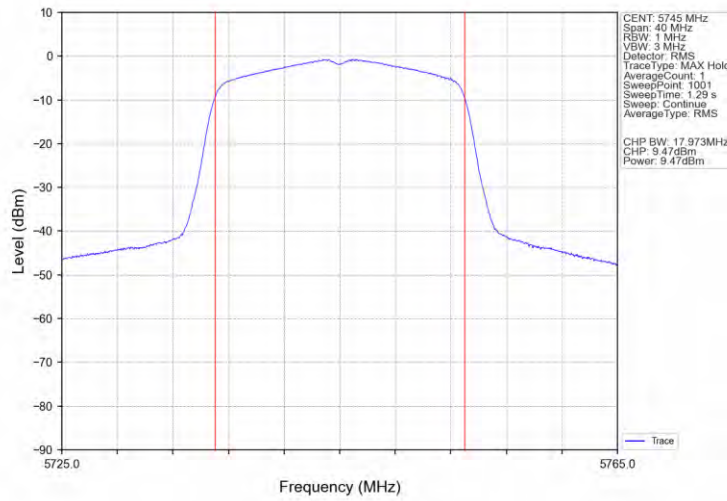
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



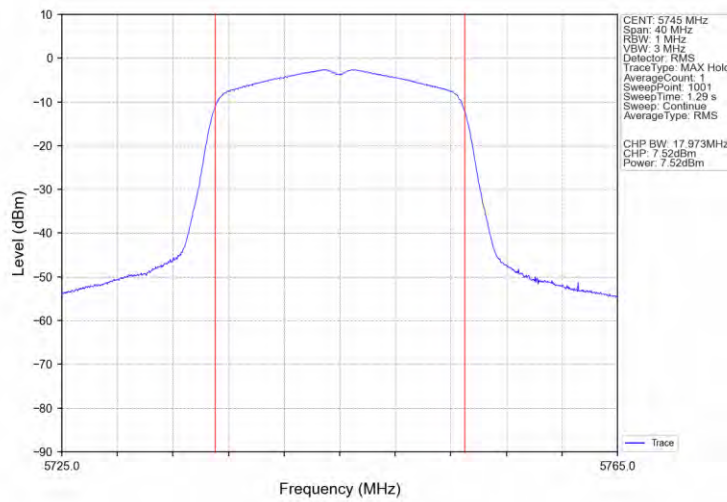
802.11a\_HCH\_5825MHz\_Ant2\_NTNV



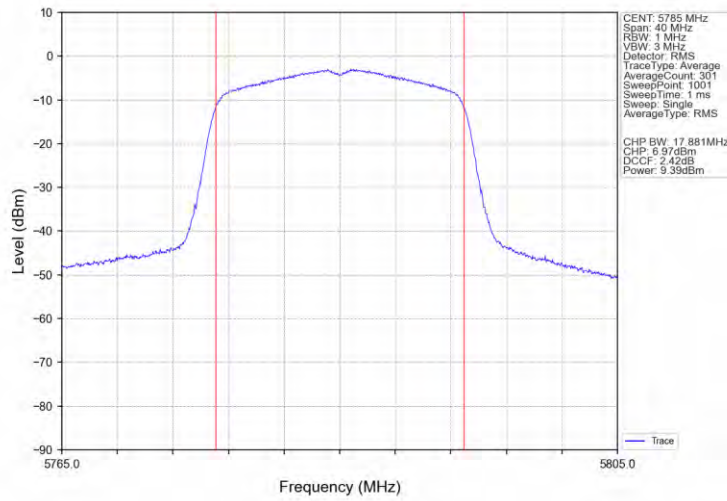
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



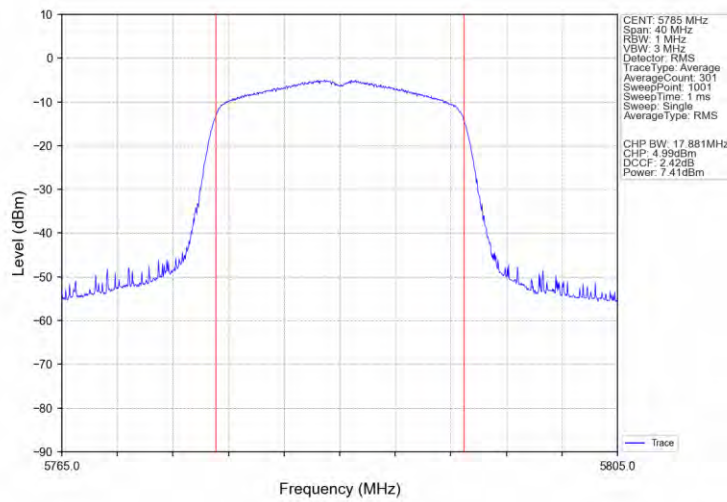
802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



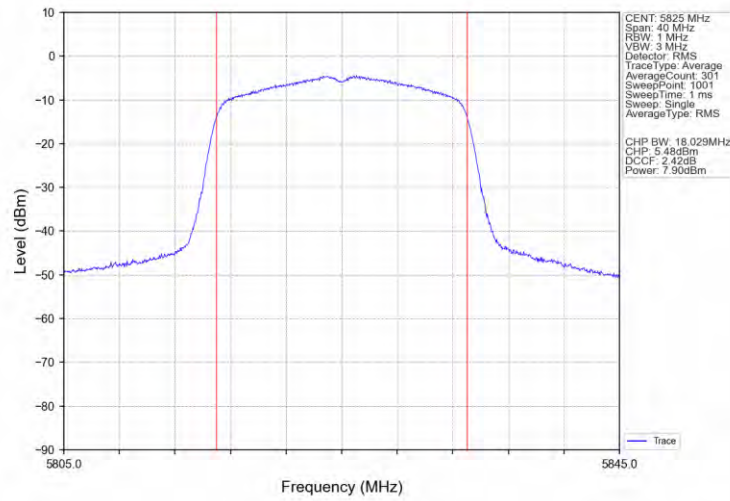
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



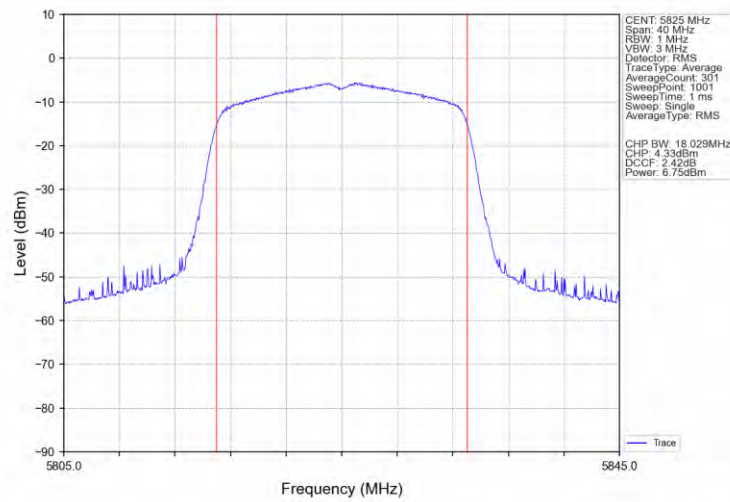
802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

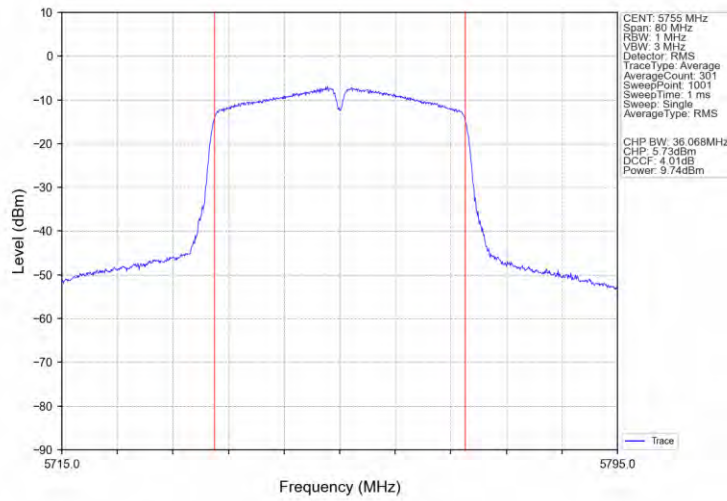


802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV

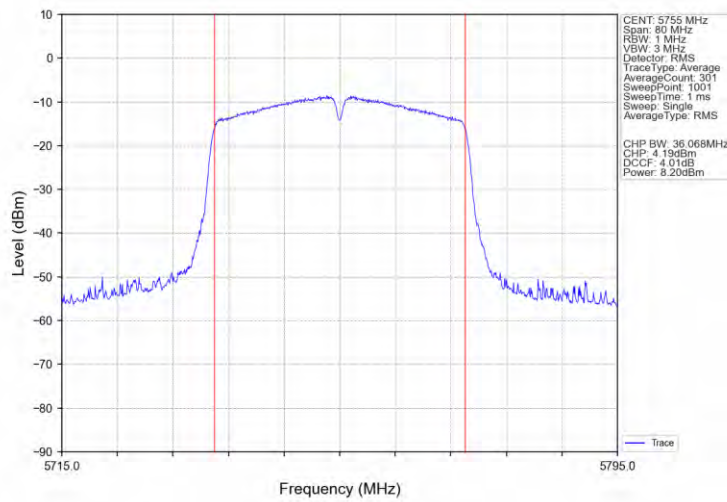




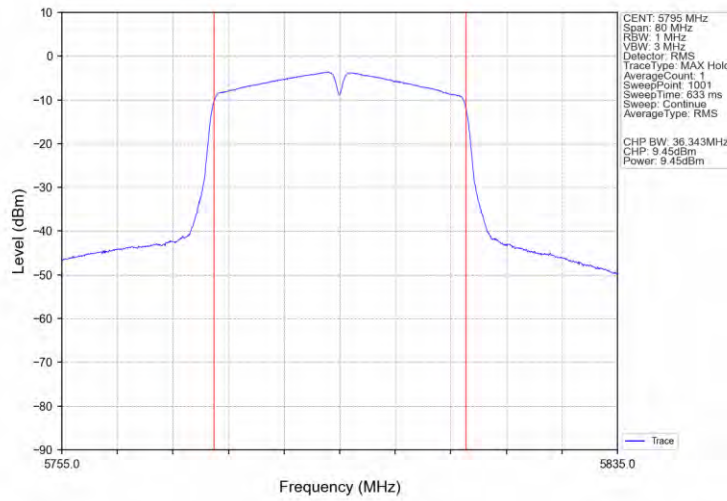
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



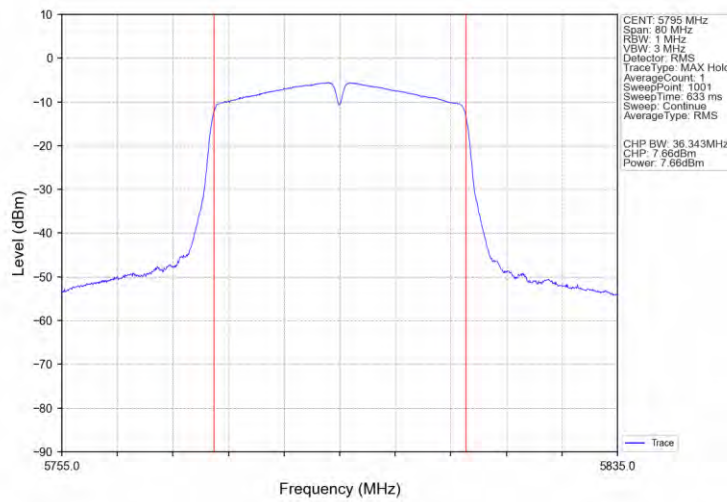
802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



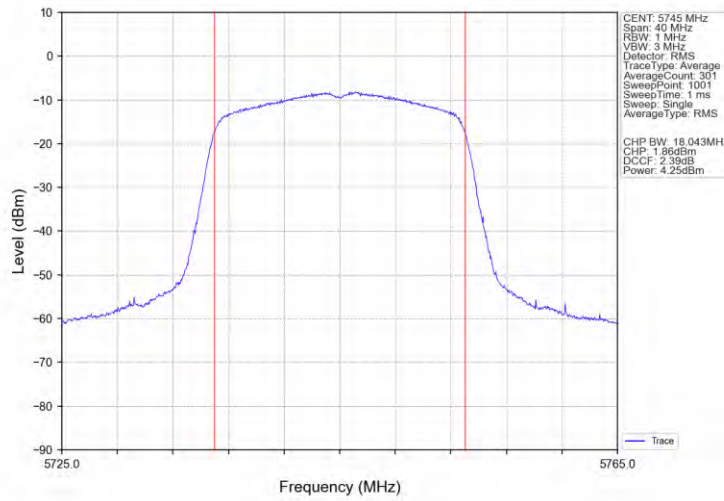
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



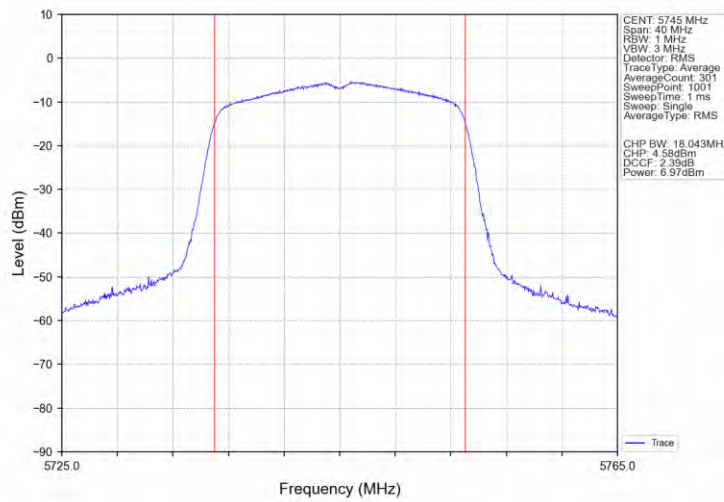
802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



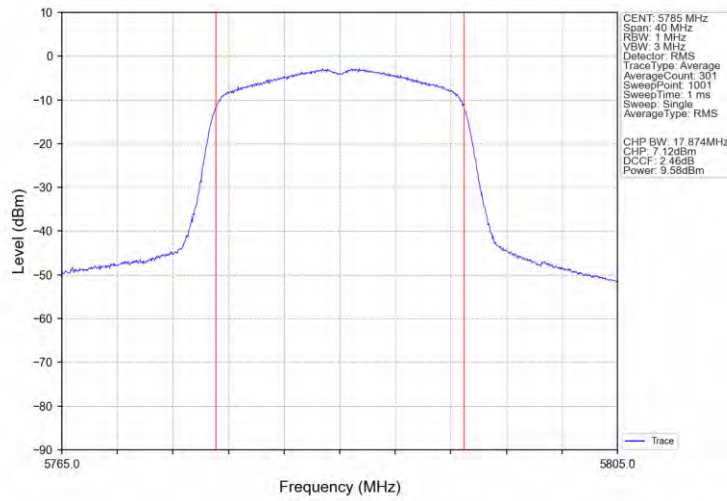
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



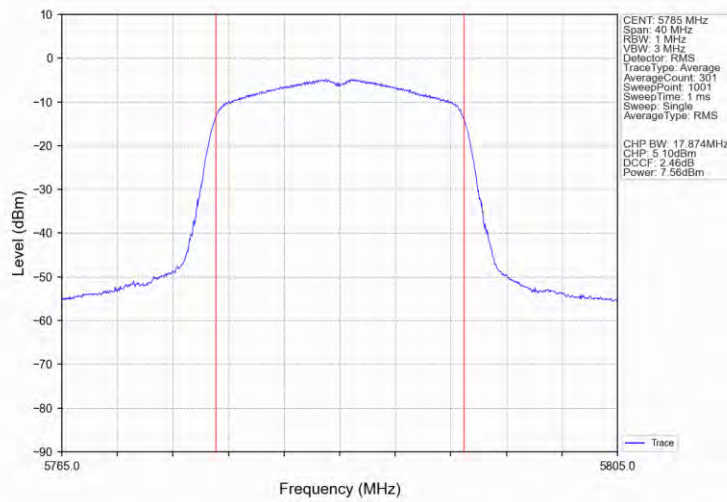
802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



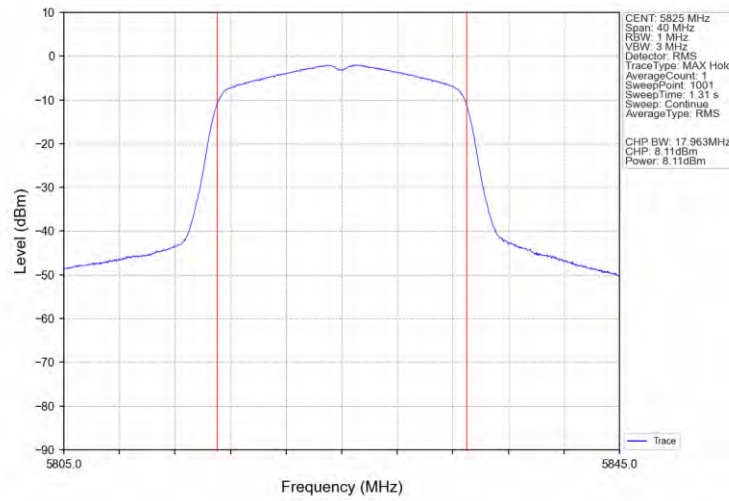
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



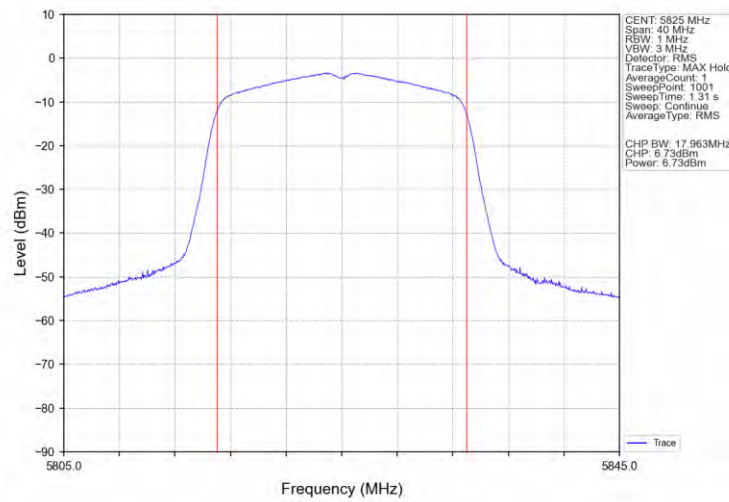
802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



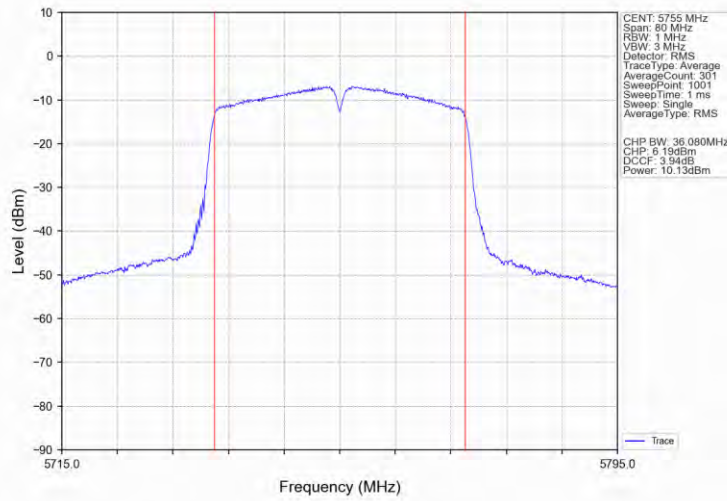
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



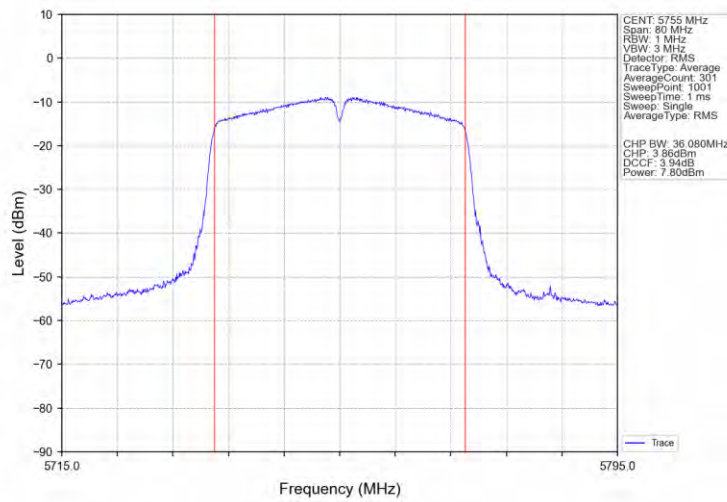
802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



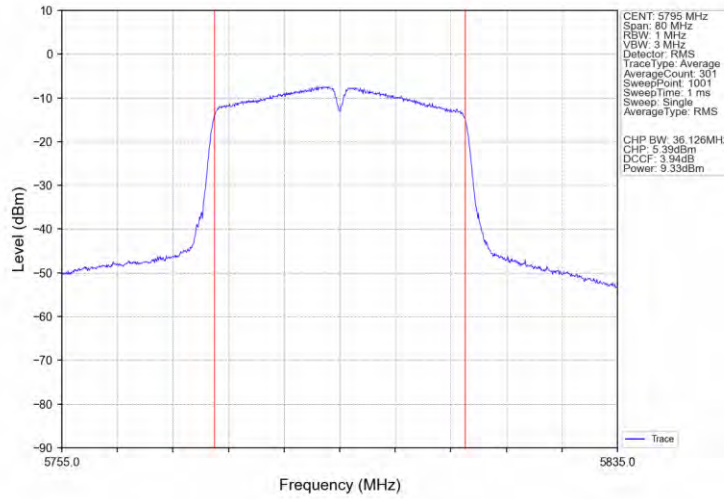
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



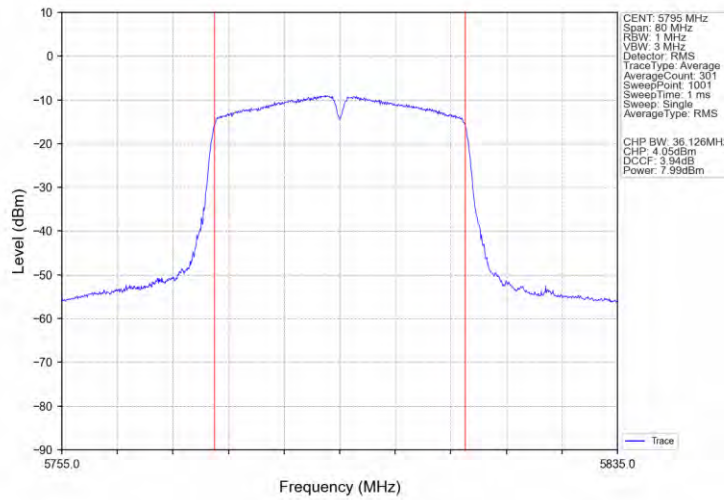
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



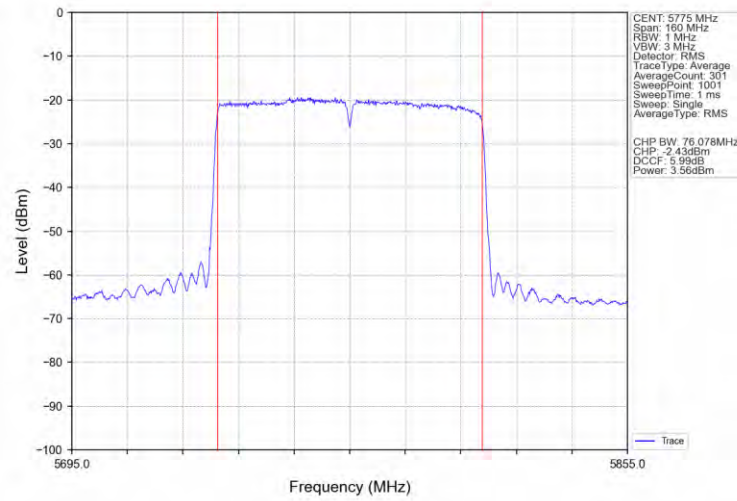
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



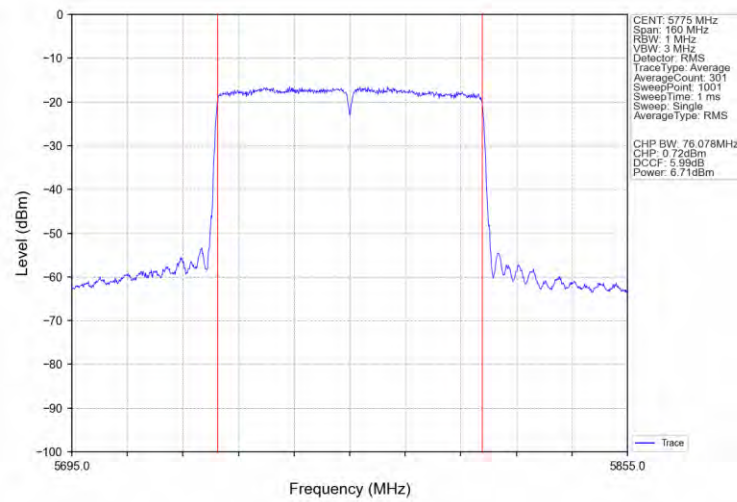
802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



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

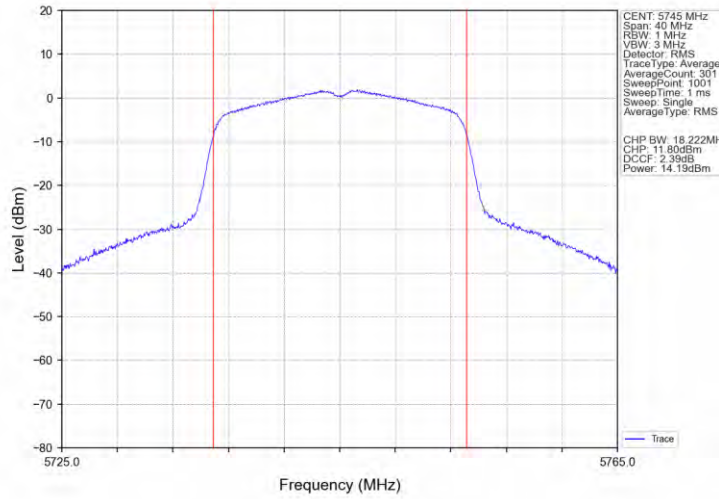


802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV

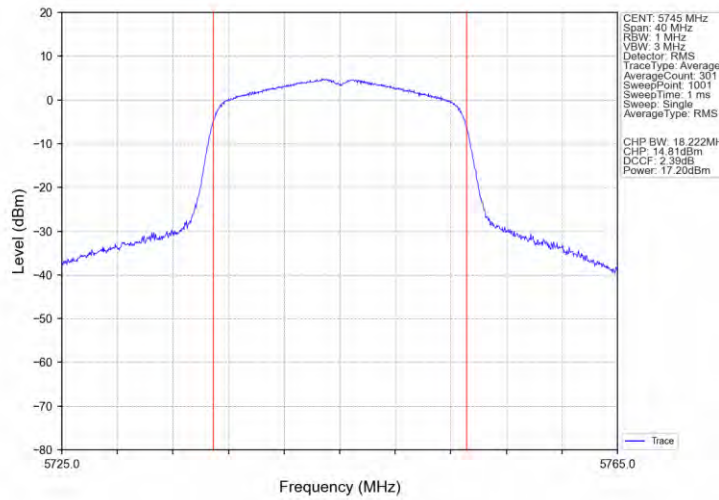




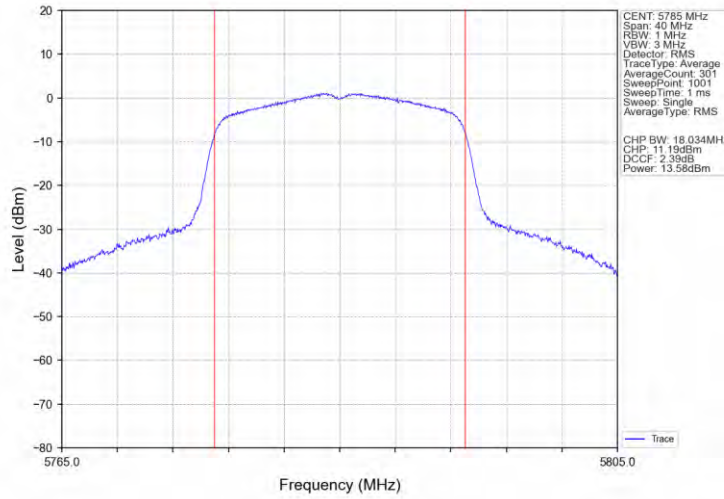
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



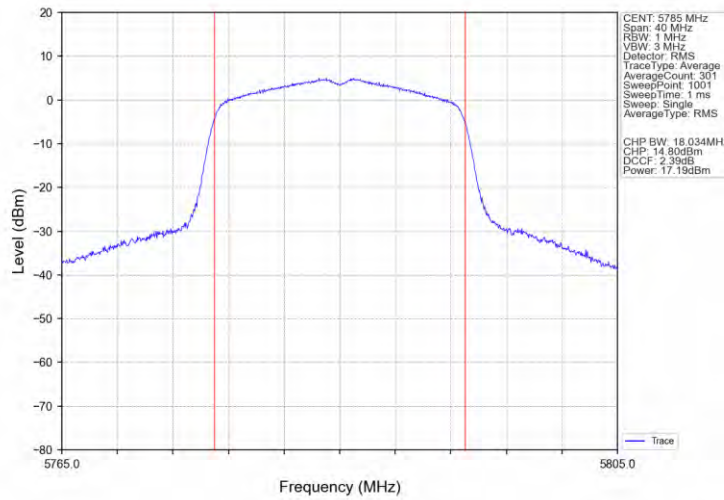
802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



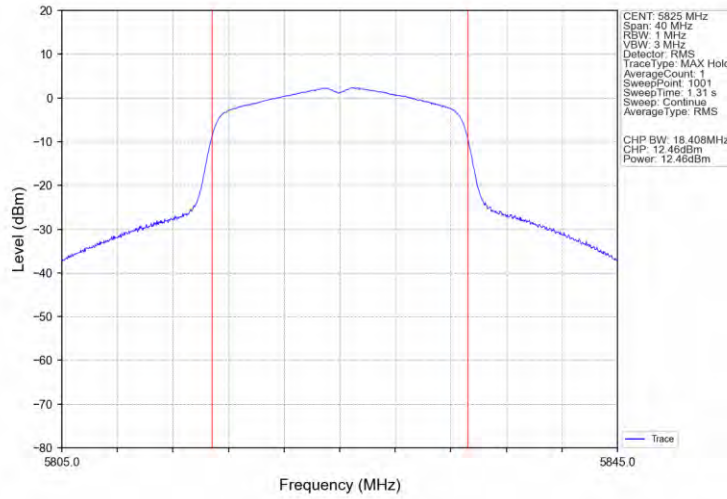
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



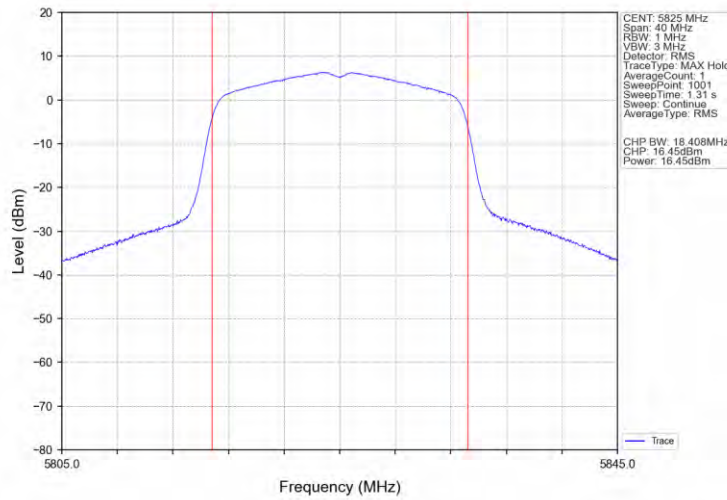
802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



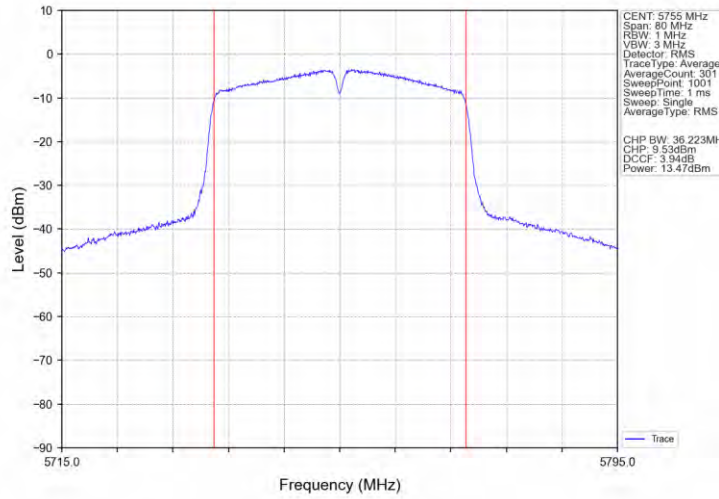
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



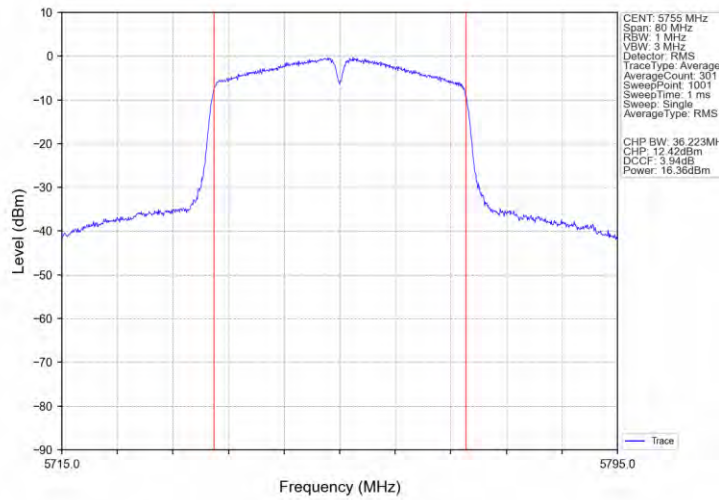
802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



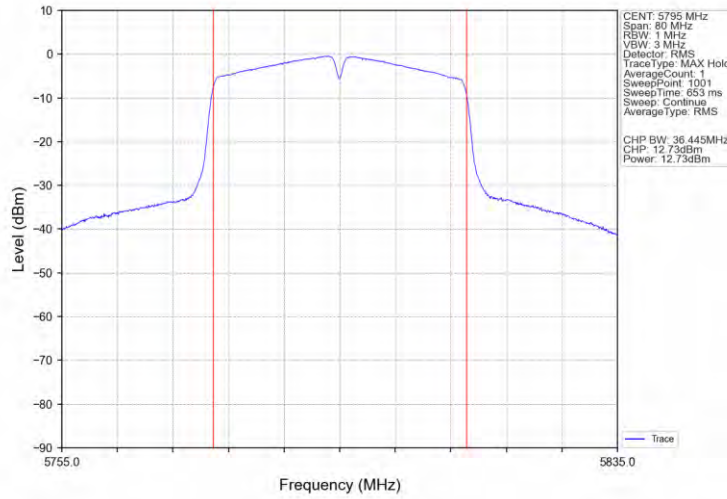
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



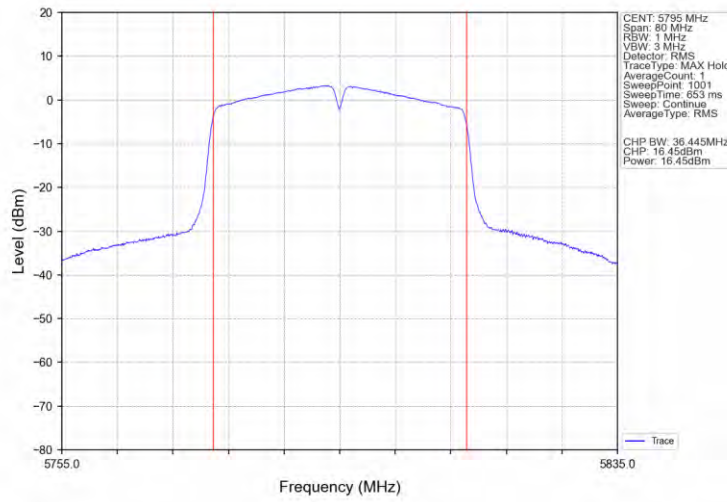
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



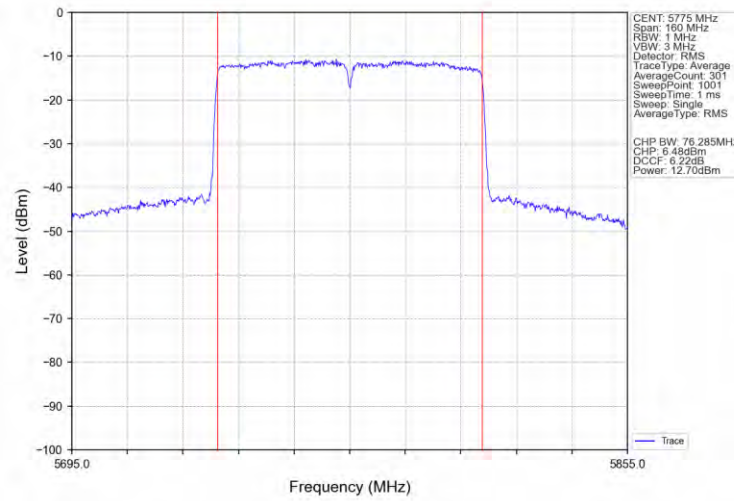
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



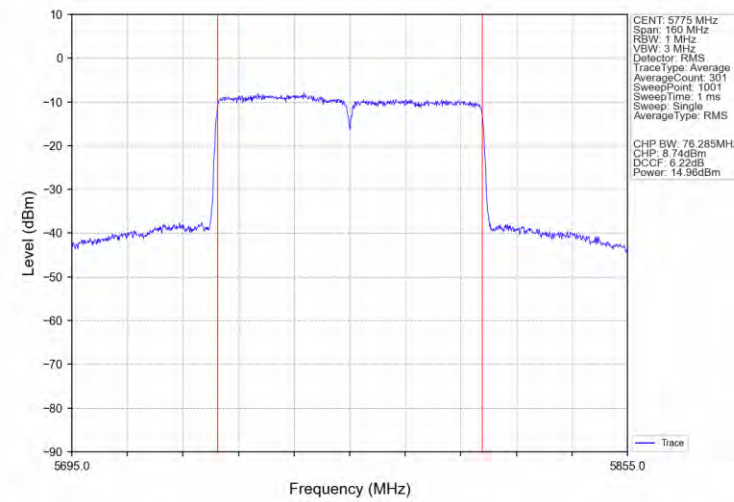
802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



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



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



## 4. Maximum Power Spectral Density

### 4.1 Test Result

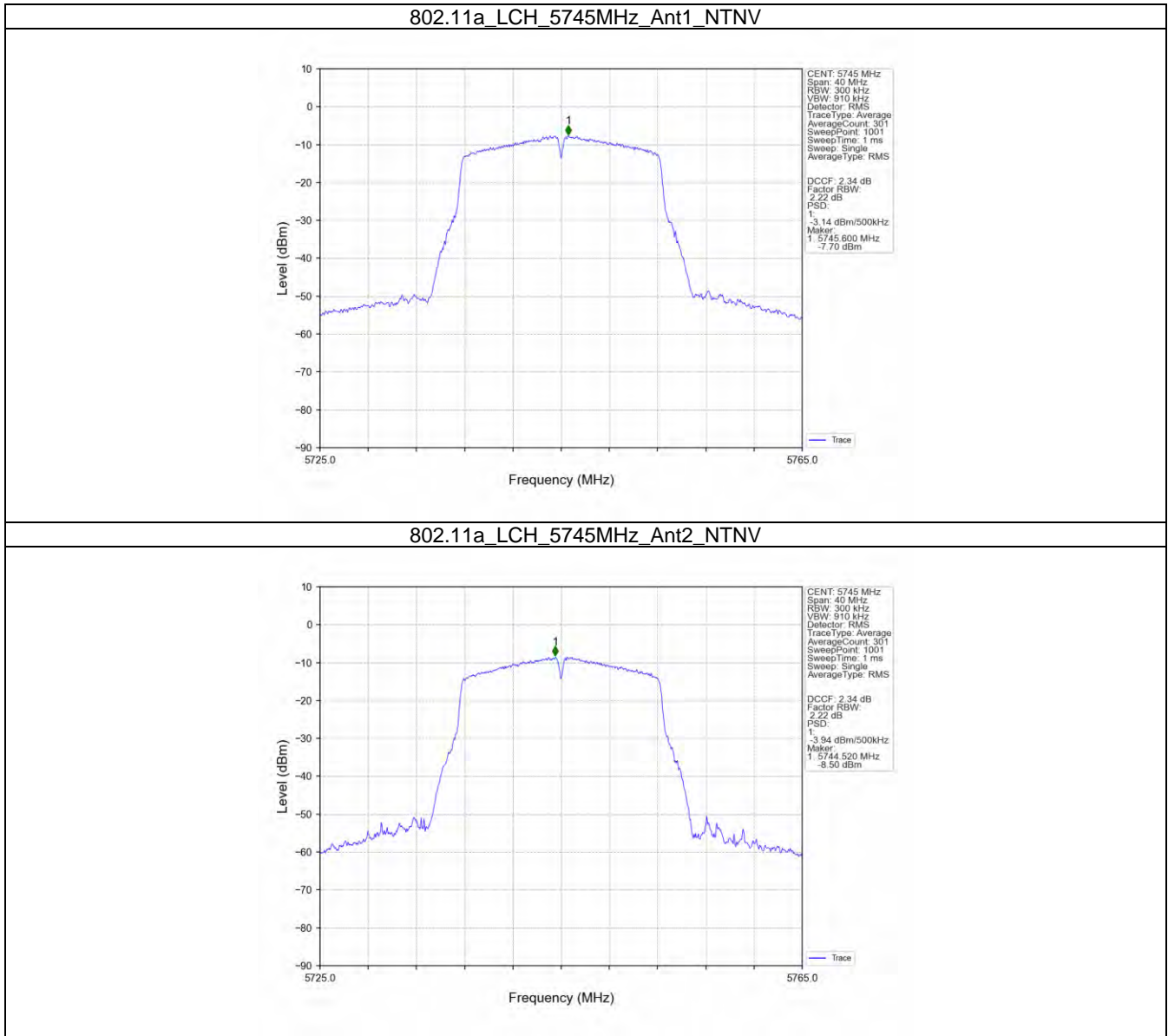
#### 4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-3.14	-3.94	/	<=30	Pass
		5785	-3.40	-3.87	/	<=30	Pass
		5825	-4.22	-5.56	/	<=30	Pass
802.11n (HT20)	SISO	5745	-3.37	-5.44	/	<=30	Pass
		5785	-3.01	-5.39	/	<=30	Pass
		5825	-4.54	-5.71	/	<=30	Pass
802.11n (HT40)	SISO	5755	-5.55	-7.92	/	<=30	Pass
		5795	-6.52	-8.36	/	<=30	Pass
802.11ac (VHT20)	SISO	5745	-8.35	-5.37	/	<=30	Pass
		5785	-3.18	-4.97	/	<=30	Pass
		5825	-4.61	-6.08	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.65	-7.59	/	<=30	Pass
		5795	-5.74	-8.16	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	-15.95	-12.91	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	1.16	4.67	6.16	<=30	Pass
		5785	1.05	4.44	6.08	<=30	Pass
		5825	-0.46	3.64	5.04	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-2.29	0.76	2.29	<=30	Pass
		5795	-3.34	0.43	1.95	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-6.60	-3.77	-2.23	<=30	Pass

Note1: Antenna Gain: Ant1: 1.50dBi; Ant2: 1.50dBi;  
 Note2: Directional Gain: Band3: 4.51dBi

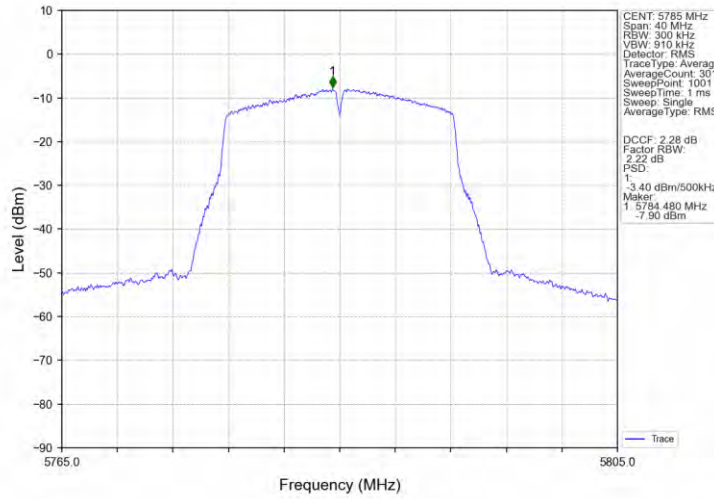
## 4.2 Test Graph

### 4.2.1 PSD-Band3

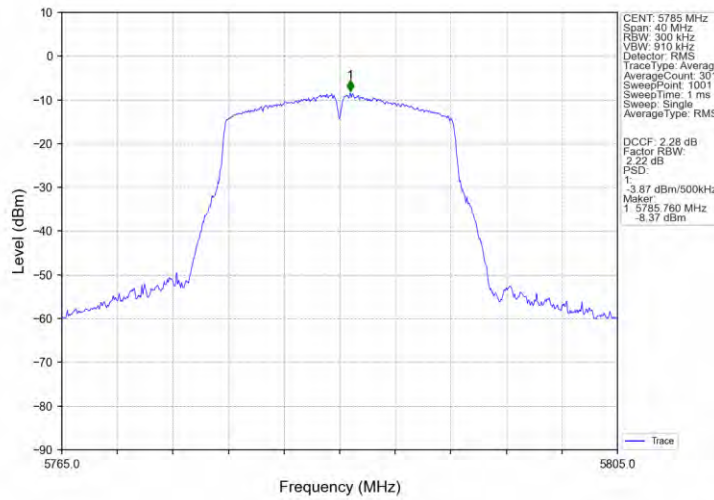




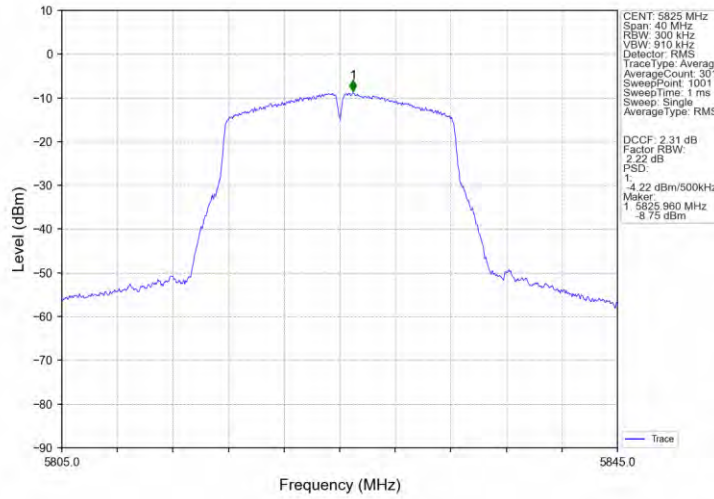
802.11a\_MCH\_5785MHz\_Ant1\_NTNV



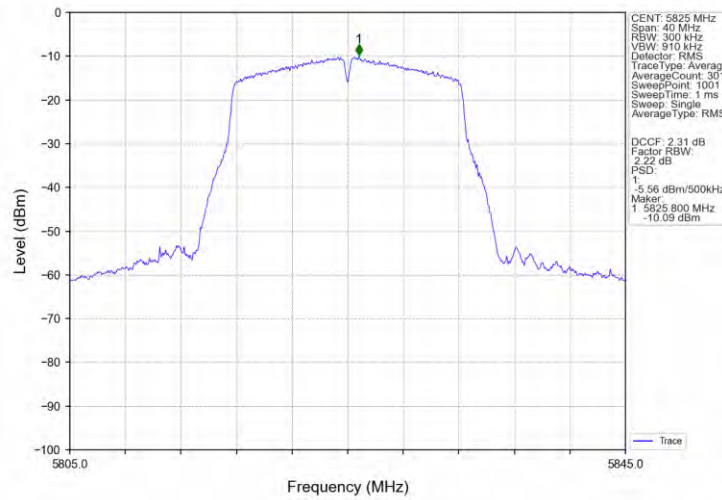
802.11a\_MCH\_5785MHz\_Ant2\_NTNV



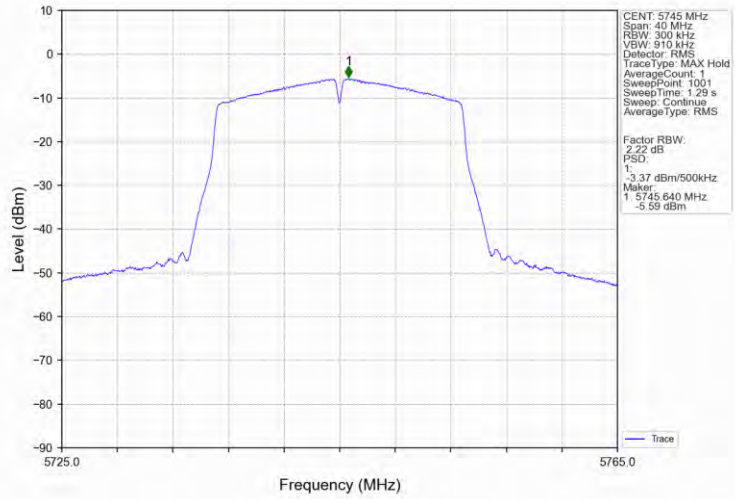
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



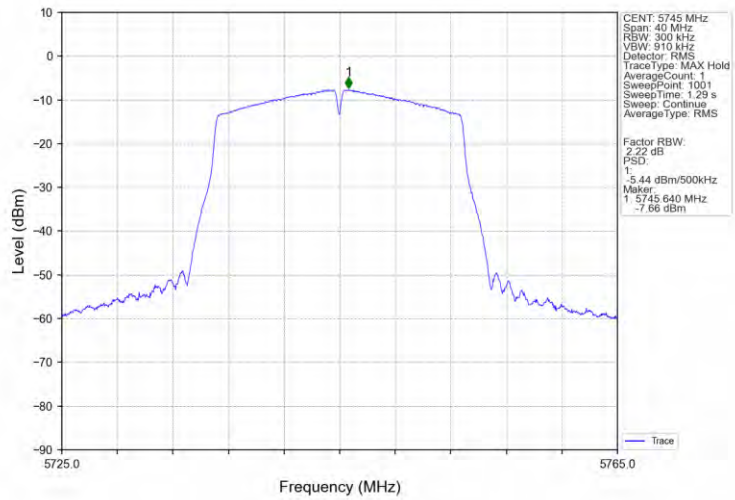
802.11a\_HCH\_5825MHz\_Ant2\_NTNV



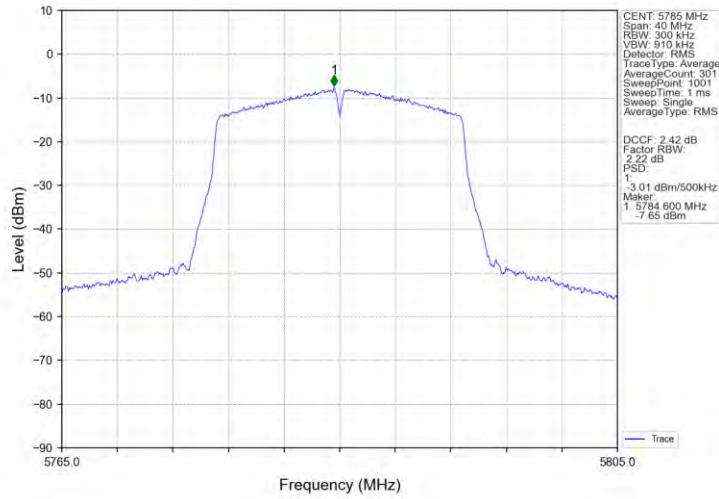
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



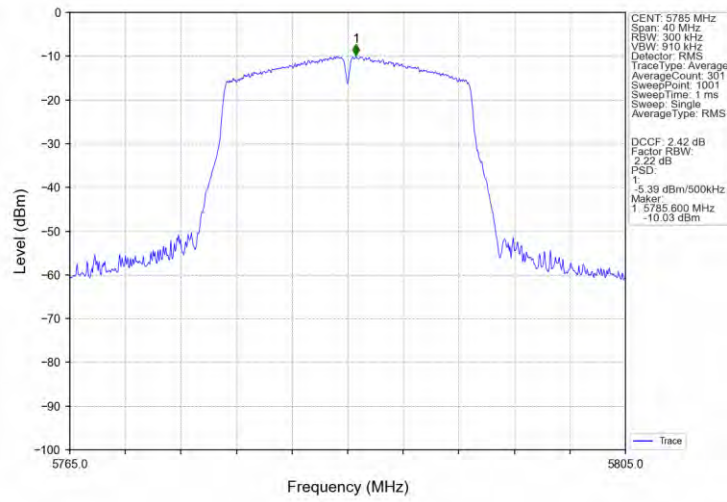
802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



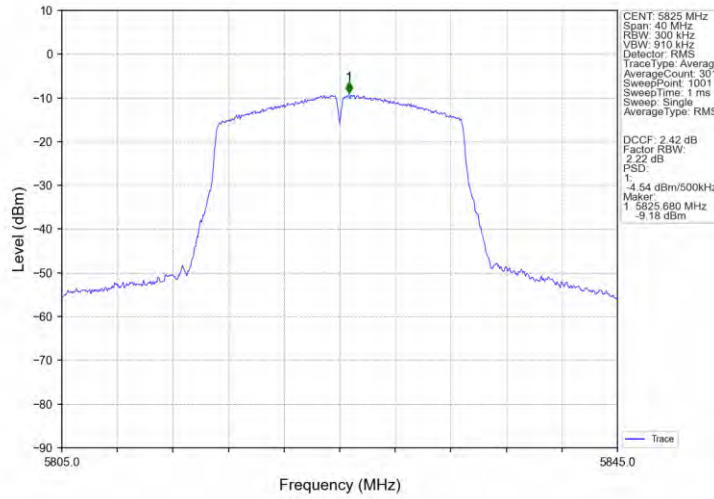
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



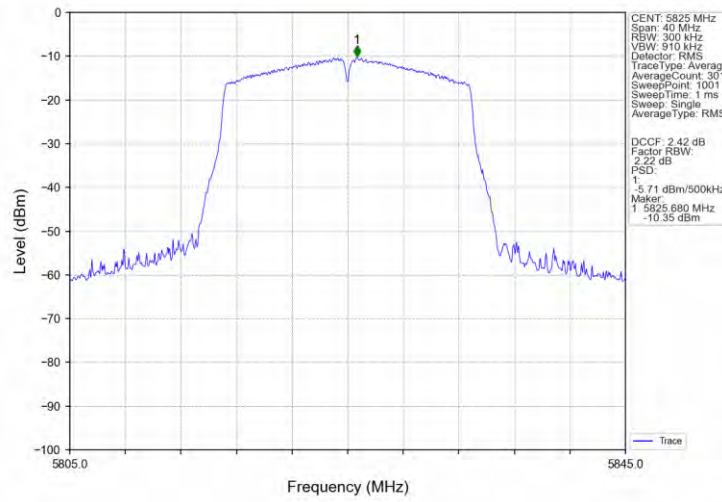
802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



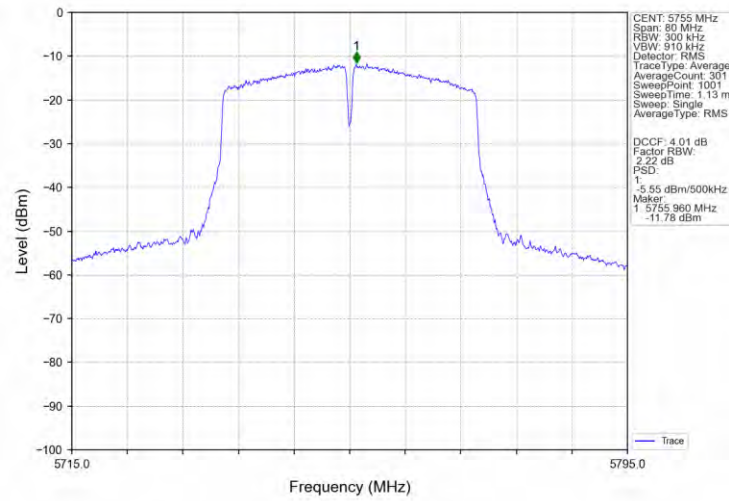
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



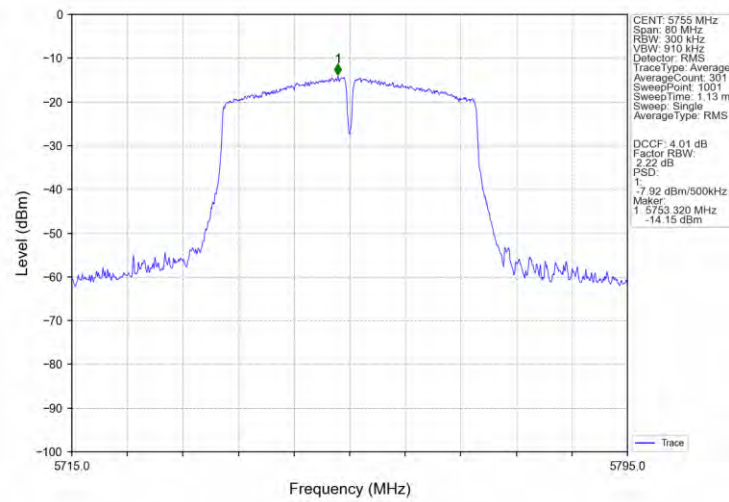
802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



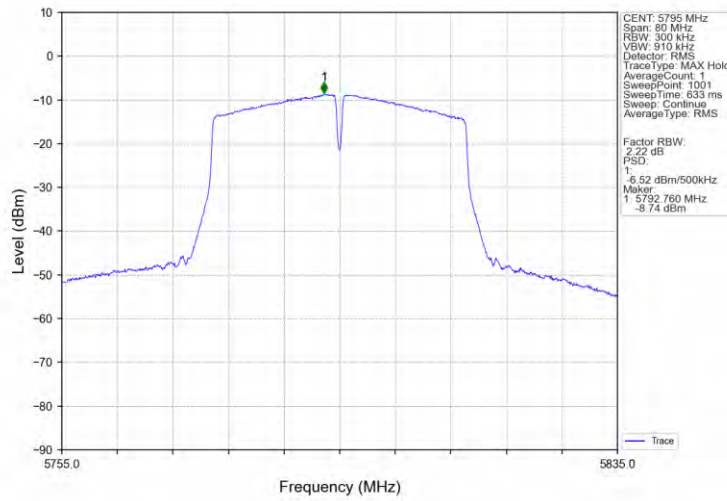
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



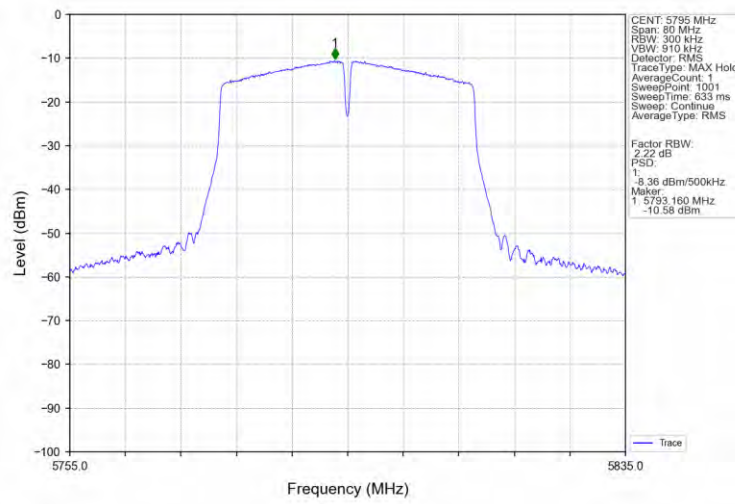
802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



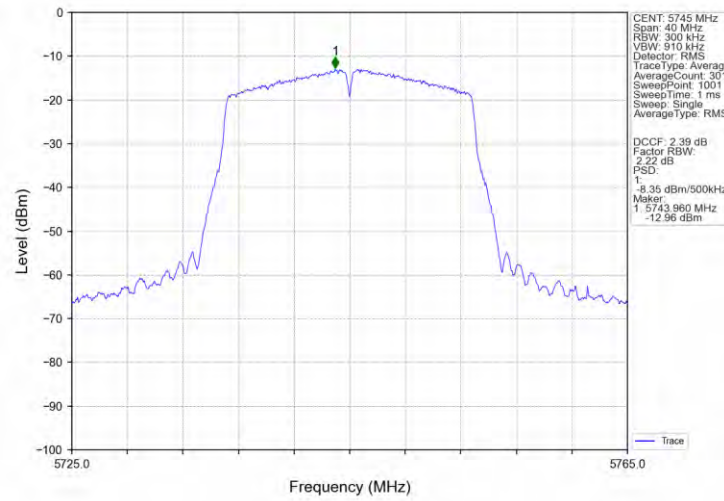
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



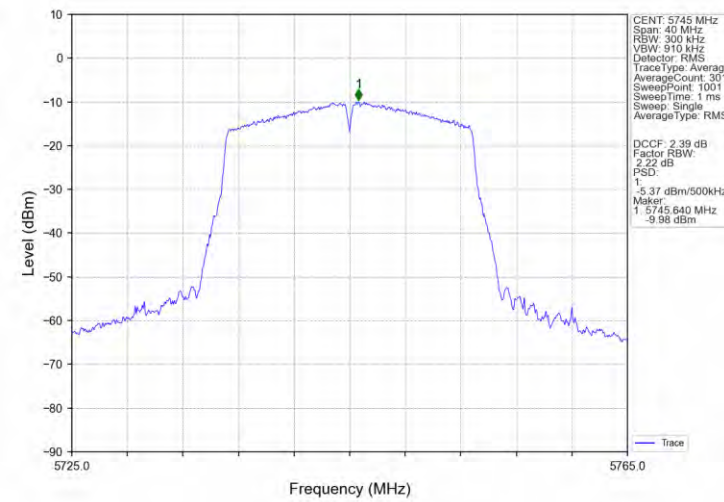
802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV

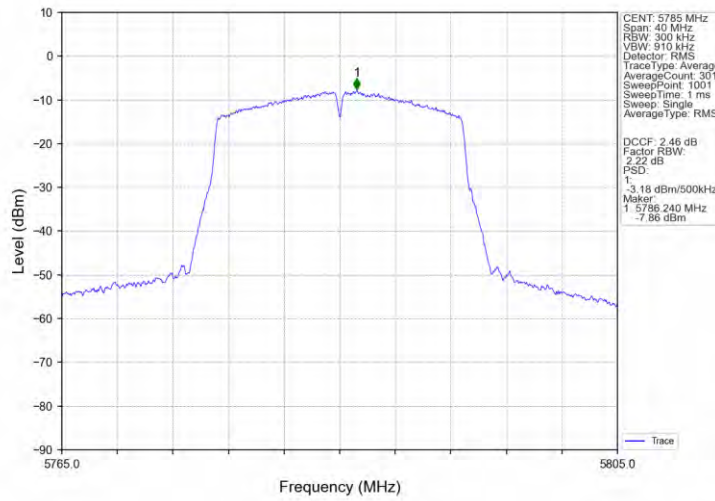


802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV

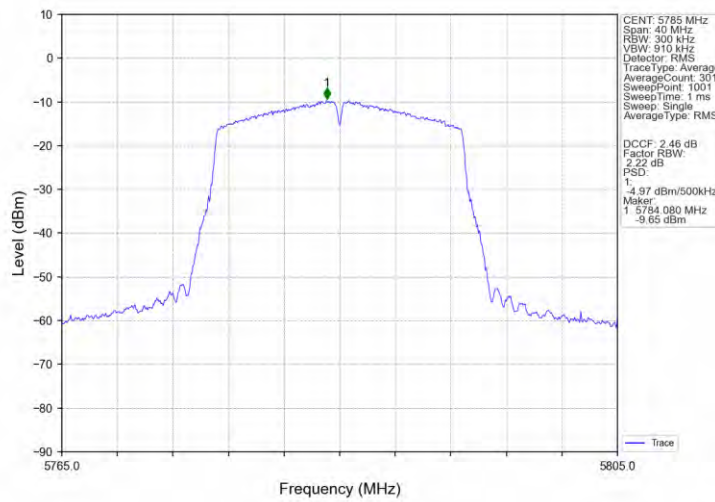




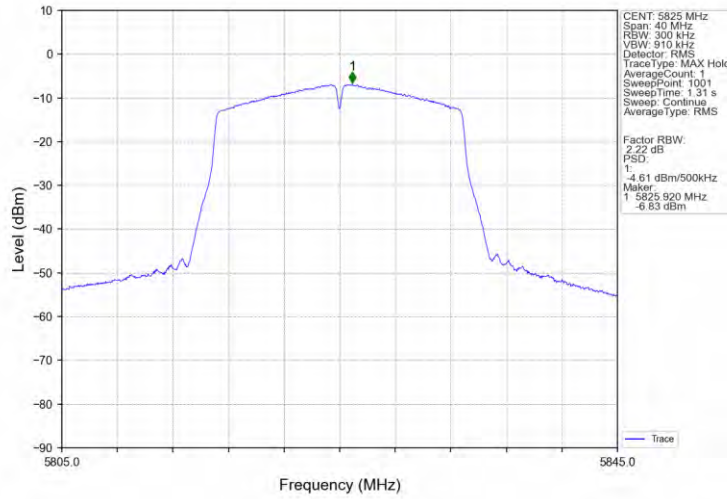
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



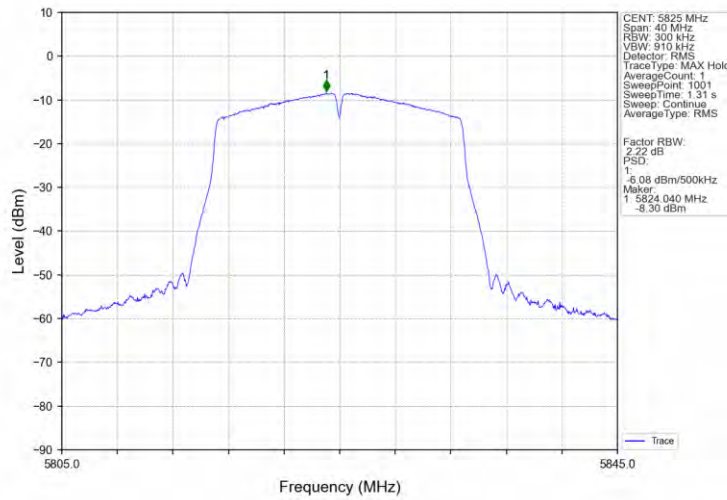
802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



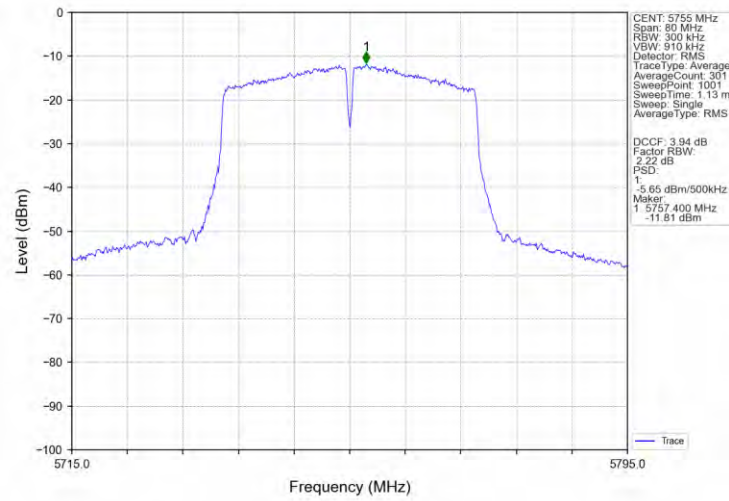
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



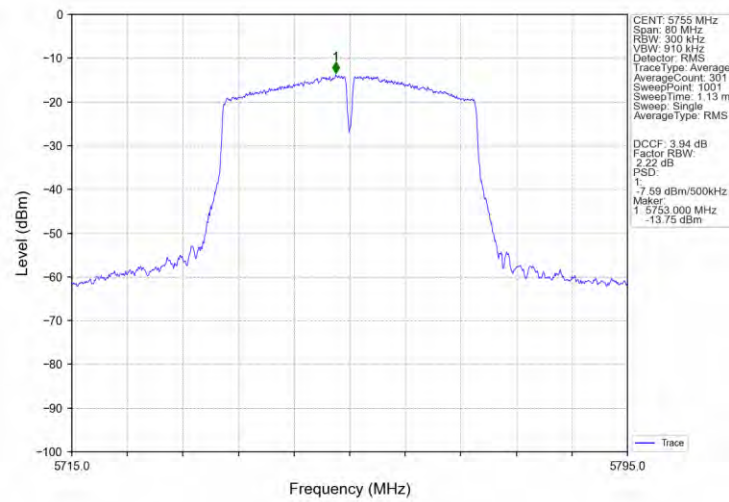
802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



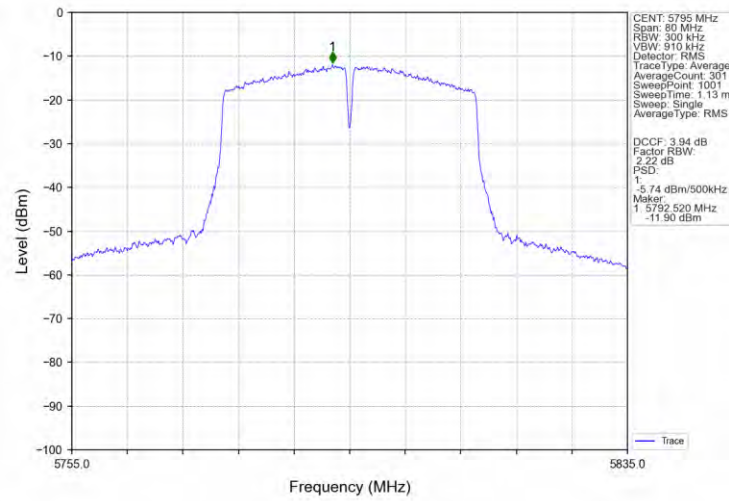
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



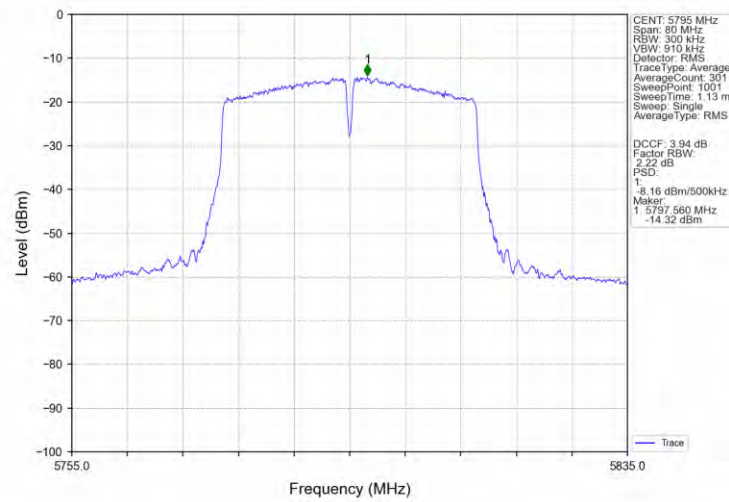
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



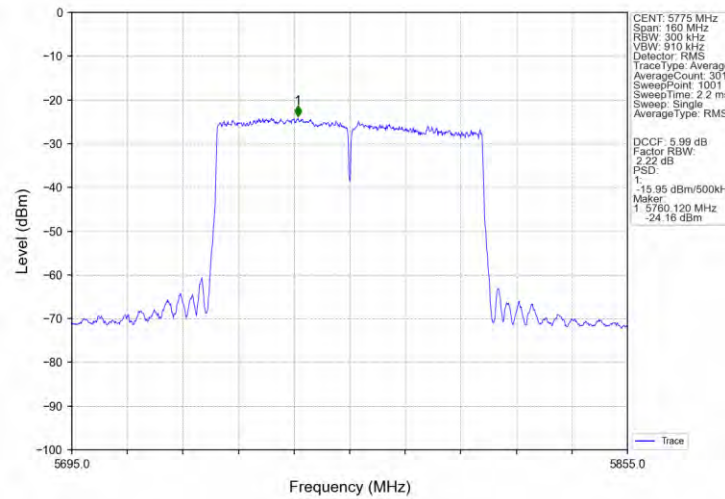
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



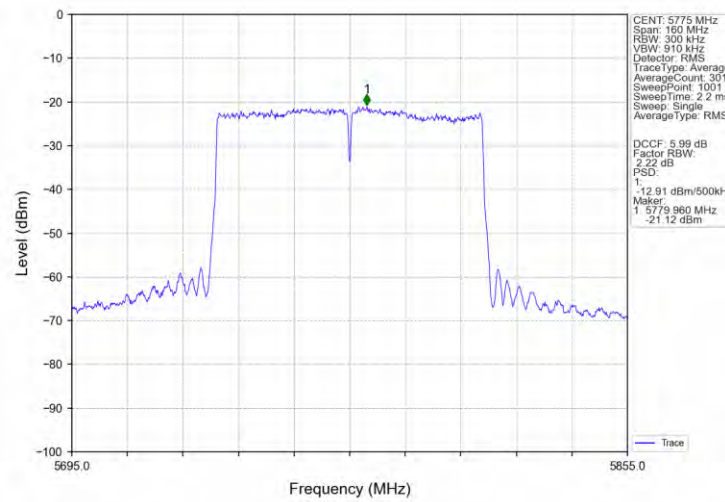
802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



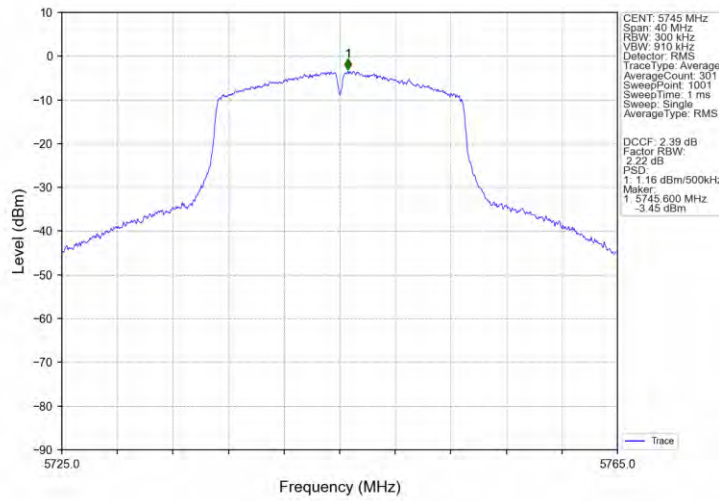
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



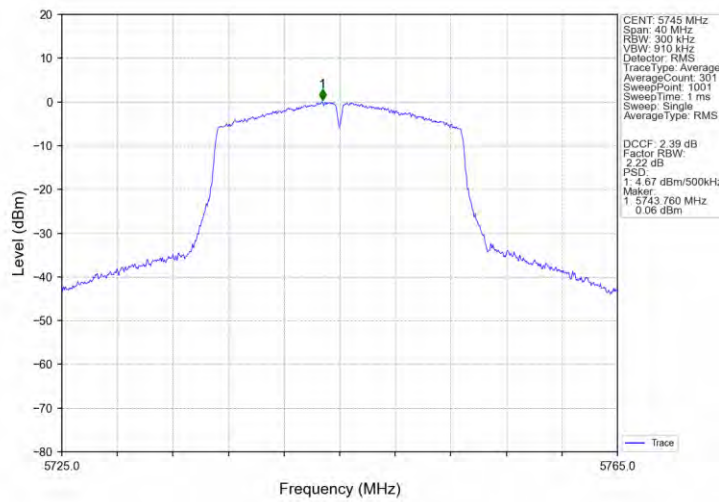
802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



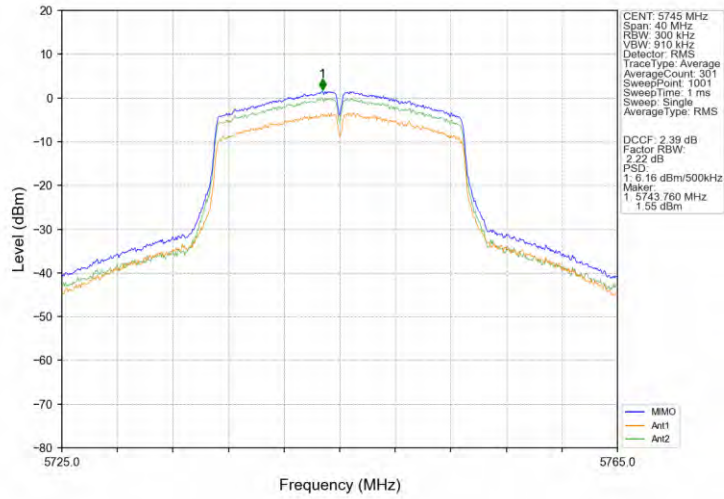
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



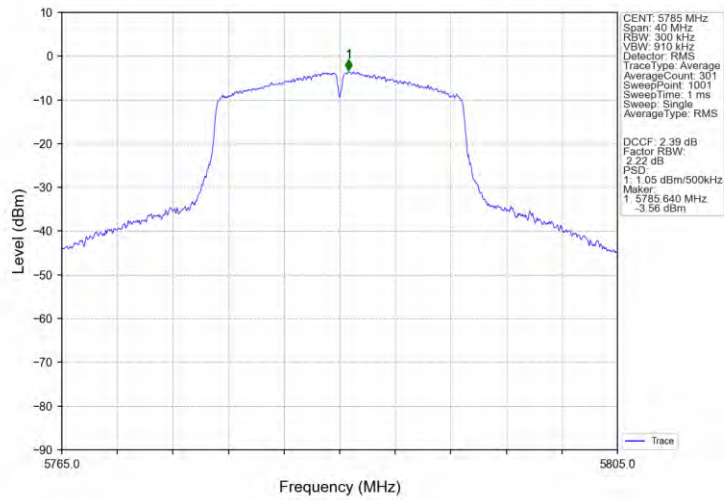
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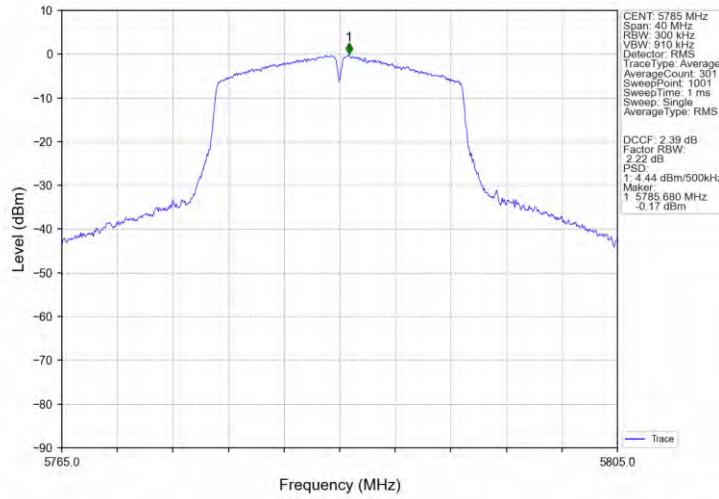
802.11ac(VHT20)\_LCH\_5745MHz\_MIMO\_NTNV



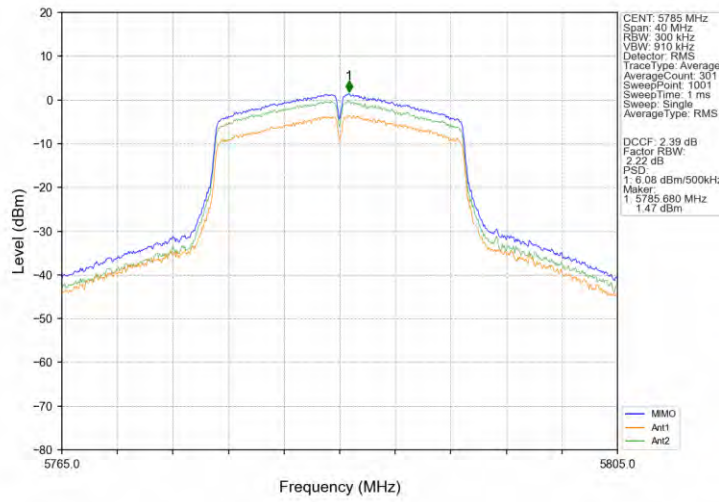
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV

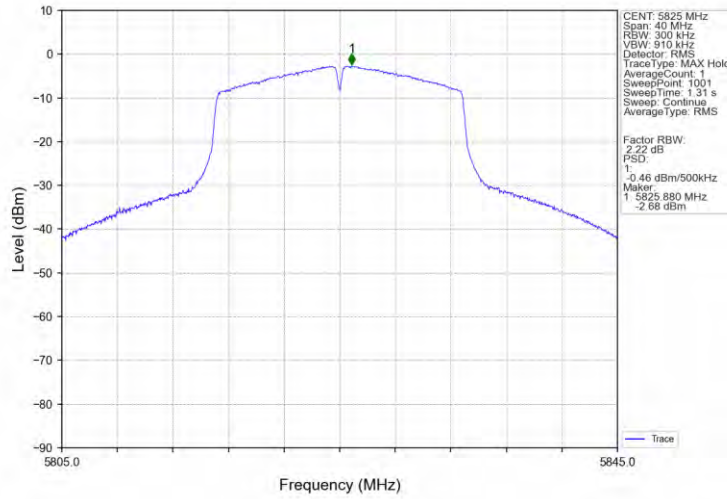


802.11ac(VHT20)\_MCH\_5785MHz\_MIMO\_NTNV

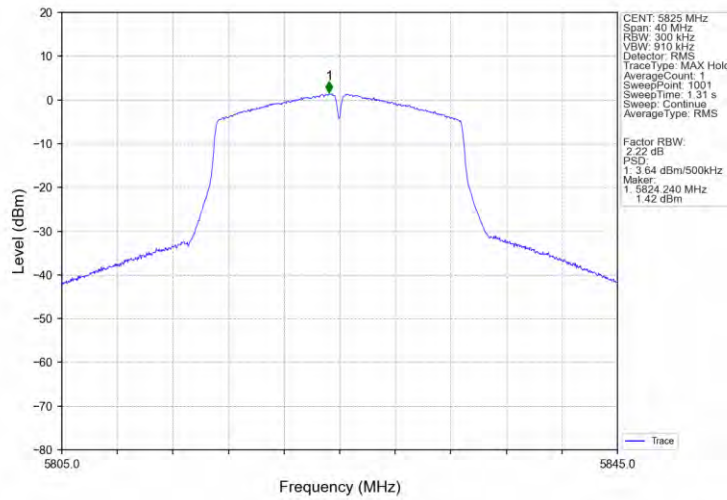




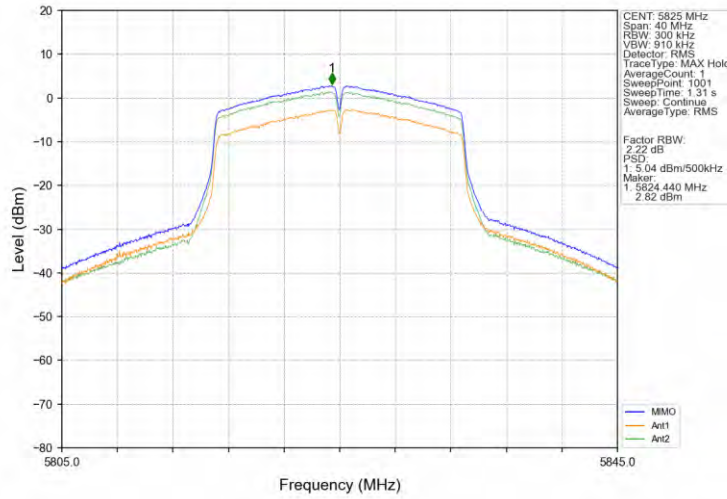
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



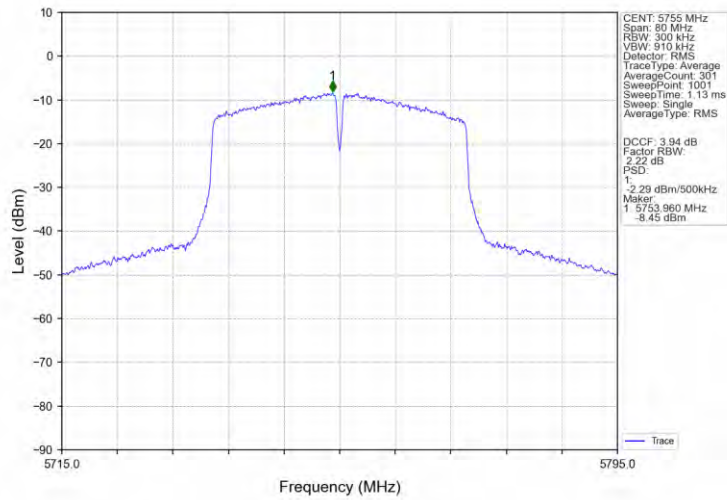
802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



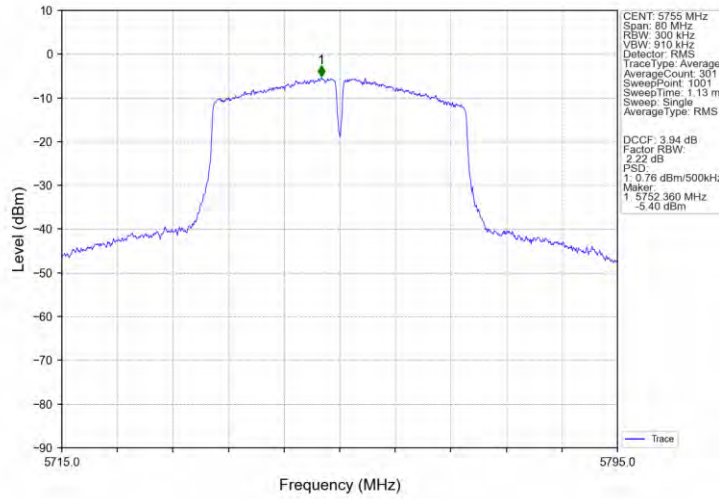
802.11ac(VHT20)\_HCH\_5825MHz\_MIMO\_NTNV



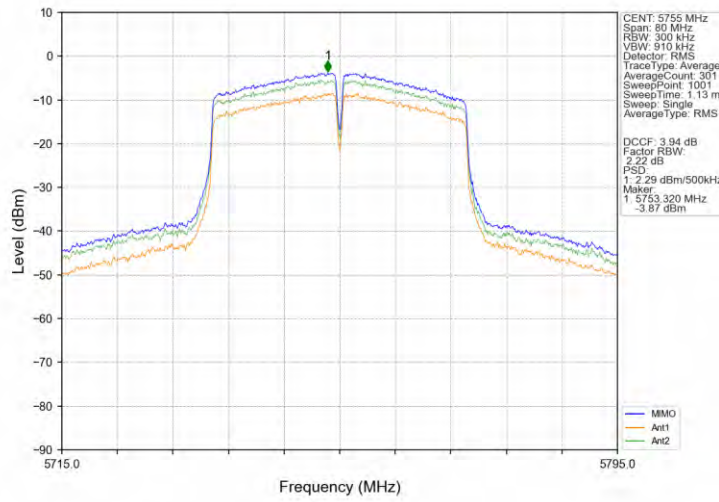
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



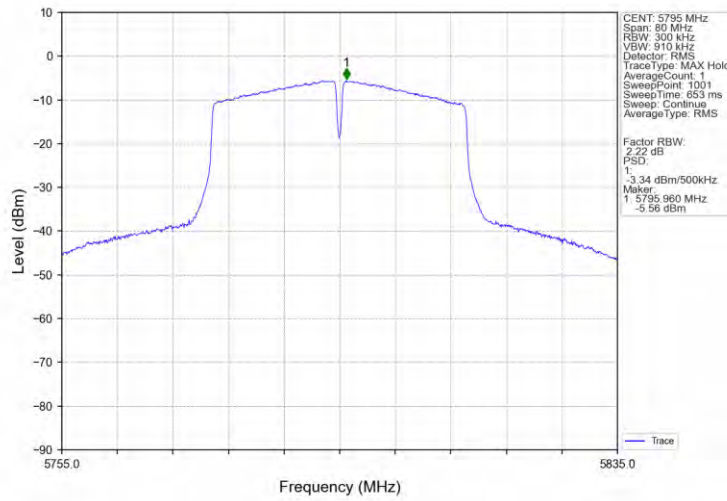
802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



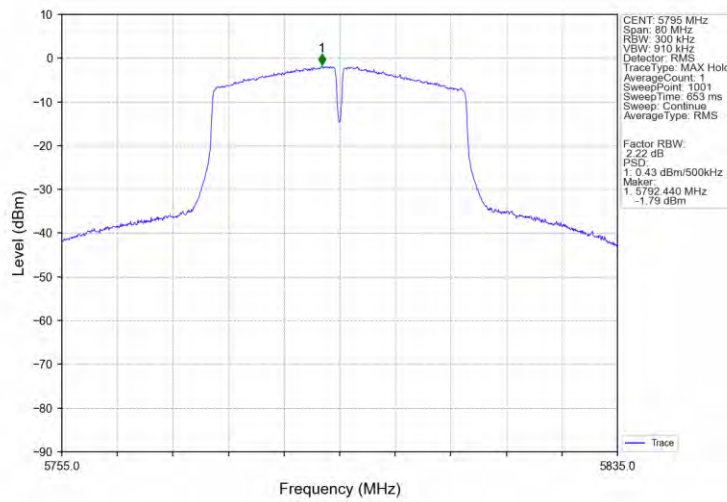
802.11ac(VHT40)\_LCH\_5755MHz\_MIMO\_NTNV



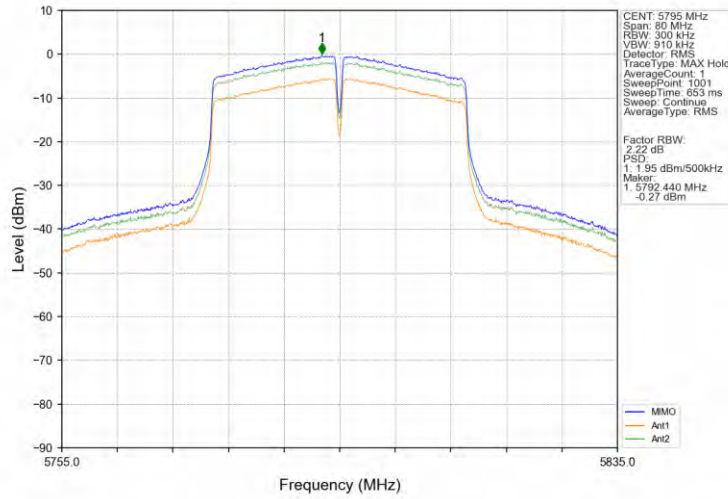
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



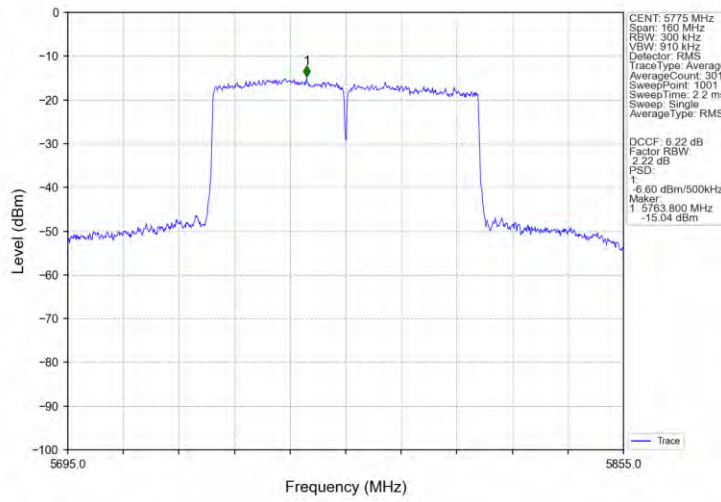
802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



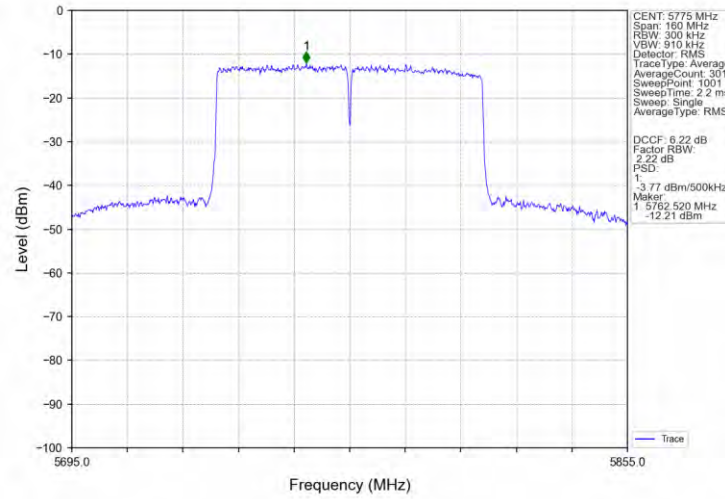
802.11ac(VHT40)\_HCH\_5795MHz\_MIMO\_NTNV



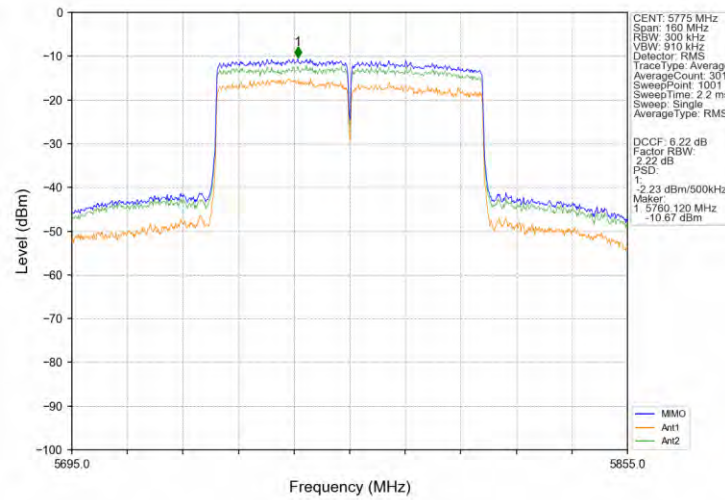
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



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



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



## 5. Frequency Stability

### 5.1 Test Result

#### 5.1.1 Ant1

Ant1								
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict	
802.11a	SISO	5745	20	102	5744.980	5725 to 5850	Pass	
				120	5745.000	5725 to 5850	Pass	
				138	5745.000	5725 to 5850	Pass	
			-30	120	5745.000	5725 to 5850	Pass	
				-20	120	5745.000	5725 to 5850	Pass
					120	5745.040	5725 to 5850	Pass
			0	120	5745.040	5725 to 5850	Pass	
				10	120	5745.040	5725 to 5850	Pass
			30	120	5744.980	5725 to 5850	Pass	
		40	120	5745.000	5725 to 5850	Pass		
		50	120	5745.000	5725 to 5850	Pass		
		5785	20	102	5785.000	5725 to 5850	Pass	
				120	5785.000	5725 to 5850	Pass	
				138	5785.040	5725 to 5850	Pass	
			-30	120	5784.980	5725 to 5850	Pass	
				-20	120	5784.940	5725 to 5850	Pass
					120	5785.000	5725 to 5850	Pass
			0	120	5785.000	5725 to 5850	Pass	
				10	120	5785.000	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass	
		40	120	5785.020	5725 to 5850	Pass		
		50	120	5784.940	5725 to 5850	Pass		
		5825	20	102	5825.000	5725 to 5850	Pass	
				120	5824.980	5725 to 5850	Pass	
				138	5825.020	5725 to 5850	Pass	
			-30	120	5825.020	5725 to 5850	Pass	
				-20	120	5825.000	5725 to 5850	Pass
					120	5825.020	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass	
				10	120	5825.000	5725 to 5850	Pass
30	120		5824.980	5725 to 5850	Pass			
40	120	5825.000	5725 to 5850	Pass				
50	120	5824.980	5725 to 5850	Pass				
802.11n (HT20)	SISO	5745	20	102	5745.000	5725 to 5850	Pass	
				120	5745.020	5725 to 5850	Pass	
				138	5745.020	5725 to 5850	Pass	
			-30	120	5744.980	5725 to 5850	Pass	
				-20	120	5745.000	5725 to 5850	Pass
					120	5745.020	5725 to 5850	Pass
			0	120	5745.000	5725 to 5850	Pass	
				10	120	5745.000	5725 to 5850	Pass
			30	120	5745.000	5725 to 5850	Pass	
		40	120	5745.020	5725 to 5850	Pass		
		50	120	5745.000	5725 to 5850	Pass		
		5785	20	102	5785.000	5725 to 5850	Pass	
				120	5785.060	5725 to 5850	Pass	

				138	5785.020	5725 to 5850	Pass
			-30	120	5785.000	5725 to 5850	Pass
			-20	120	5785.000	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5785.000	5725 to 5850	Pass
			10	120	5785.060	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	5825.020	5725 to 5850	Pass
				120	5825.000	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5824.980	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.000	5725 to 5850	Pass
			0	120	5824.980	5725 to 5850	Pass
			10	120	5824.980	5725 to 5850	Pass
			30	120	5825.060	5725 to 5850	Pass
			40	120	5825.020	5725 to 5850	Pass
50	120		5825.020	5725 to 5850	Pass		
802.11n (HT40)	SISO	5755	20	102	5755.040	5725 to 5850	Pass
				120	5754.960	5725 to 5850	Pass
				138	5755.000	5725 to 5850	Pass
			-30	120	5754.960	5725 to 5850	Pass
			-20	120	5754.960	5725 to 5850	Pass
			-10	120	5755.040	5725 to 5850	Pass
			0	120	5755.000	5725 to 5850	Pass
			10	120	5755.040	5725 to 5850	Pass
			30	120	5754.960	5725 to 5850	Pass
		40	120	5755.000	5725 to 5850	Pass	
		50	120	5755.000	5725 to 5850	Pass	
		5795	20	102	5794.960	5725 to 5850	Pass
				120	5794.960	5725 to 5850	Pass
				138	5794.960	5725 to 5850	Pass
			-30	120	5794.960	5725 to 5850	Pass
			-20	120	5794.960	5725 to 5850	Pass
			-10	120	5795.000	5725 to 5850	Pass
			0	120	5794.960	5725 to 5850	Pass
			10	120	5794.960	5725 to 5850	Pass
30	120		5794.960	5725 to 5850	Pass		
40	120		5795.000	5725 to 5850	Pass		
50	120	5795.000	5725 to 5850	Pass			
802.11ac (VHT20)	SISO	5745	20	102	5744.980	5725 to 5850	Pass
				120	5744.980	5725 to 5850	Pass
				138	5744.980	5725 to 5850	Pass
			-30	120	5744.980	5725 to 5850	Pass
			-20	120	5744.980	5725 to 5850	Pass
			-10	120	5745.000	5725 to 5850	Pass
			0	120	5744.940	5725 to 5850	Pass
			10	120	5745.000	5725 to 5850	Pass
			30	120	5745.000	5725 to 5850	Pass
		40	120	5744.980	5725 to 5850	Pass	
		50	120	5745.000	5725 to 5850	Pass	
		5785	20	102	5785.000	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5784.980	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5784.960	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass



			0	120	5784.940	5725 to 5850	Pass
			10	120	5784.980	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5785.000	5725 to 5850	Pass
			50	120	5785.040	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5824.980	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.000	5725 to 5850	Pass
			0	120	5825.000	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5825.020	5725 to 5850	Pass
40	120	5825.000	5725 to 5850	Pass			
50	120	5825.020	5725 to 5850	Pass			
802.11ac (VHT40)	SISO	5755	20	102	5755.000	5725 to 5850	Pass
				120	5754.960	5725 to 5850	Pass
				138	5755.000	5725 to 5850	Pass
			-30	120	5754.960	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5755.040	5725 to 5850	Pass
			0	120	5755.000	5725 to 5850	Pass
			10	120	5754.960	5725 to 5850	Pass
			30	120	5754.960	5725 to 5850	Pass
		40	120	5755.040	5725 to 5850	Pass	
		50	120	5754.960	5725 to 5850	Pass	
		5795	20	102	5794.920	5725 to 5850	Pass
				120	5794.960	5725 to 5850	Pass
				138	5794.960	5725 to 5850	Pass
-30	120		5795.000	5725 to 5850	Pass		
-20	120		5795.000	5725 to 5850	Pass		
-10	120	5794.960	5725 to 5850	Pass			
0	120	5795.000	5725 to 5850	Pass			
10	120	5795.000	5725 to 5850	Pass			
30	120	5794.960	5725 to 5850	Pass			
40	120	5795.000	5725 to 5850	Pass			
50	120	5795.040	5725 to 5850	Pass			
802.11ac (VHT80)	SISO	5775	20	102	5775.000	5725 to 5850	Pass
				120	5775.000	5725 to 5850	Pass
				138	5775.000	5725 to 5850	Pass
			-30	120	5774.925	5725 to 5850	Pass
			-20	120	5775.000	5725 to 5850	Pass
			-10	120	5774.925	5725 to 5850	Pass
			0	120	5774.925	5725 to 5850	Pass
			10	120	5774.925	5725 to 5850	Pass
			30	120	5775.000	5725 to 5850	Pass
		40	120	5775.000	5725 to 5850	Pass	
		50	120	5775.000	5725 to 5850	Pass	
		5745	20	102	5745.020	5725 to 5850	Pass
				120	5745.020	5725 to 5850	Pass
				138	5744.980	5725 to 5850	Pass
-30	120		5745.000	5725 to 5850	Pass		
-20	120		5745.020	5725 to 5850	Pass		
-10	120	5745.020	5725 to 5850	Pass			
0	120	5744.980	5725 to 5850	Pass			
10	120	5745.020	5725 to 5850	Pass			
30	120	5745.020	5725 to 5850	Pass			
40	120	5745.060	5725 to 5850	Pass			

		5785	50	120	5745.040	5725 to 5850	Pass
			20	102	5785.020	5725 to 5850	Pass
				120	5785.040	5725 to 5850	Pass
				138	5785.080	5725 to 5850	Pass
				-30	120	5785.020	5725 to 5850
			-20	120	5785.080	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5787.980	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	5785.000	5725 to 5850	Pass	
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.040	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5825.000	5725 to 5850	Pass
			-10	120	5825.060	5725 to 5850	Pass
			0	120	5825.060	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
30	120		5825.040	5725 to 5850	Pass		
40	120		5825.000	5725 to 5850	Pass		
50	120	5825.000	5725 to 5850	Pass			
802.11ac (VHT40)	MIMO	5755	20	102	5754.960	5725 to 5850	Pass
				120	5754.960	5725 to 5850	Pass
				138	5754.960	5725 to 5850	Pass
			-30	120	5754.960	5725 to 5850	Pass
			-20	120	5755.000	5725 to 5850	Pass
			-10	120	5754.960	5725 to 5850	Pass
			0	120	5755.000	5725 to 5850	Pass
			10	120	5754.920	5725 to 5850	Pass
			30	120	5755.000	5725 to 5850	Pass
			40	120	5754.960	5725 to 5850	Pass
		50	120	5754.960	5725 to 5850	Pass	
		5795	20	102	5794.960	5725 to 5850	Pass
				120	5795.000	5725 to 5850	Pass
				138	5795.000	5725 to 5850	Pass
			-30	120	5795.000	5725 to 5850	Pass
			-20	120	5794.920	5725 to 5850	Pass
			-10	120	5795.000	5725 to 5850	Pass
			0	120	5795.000	5725 to 5850	Pass
			10	120	5795.000	5725 to 5850	Pass
			30	120	5795.000	5725 to 5850	Pass
40	120		5794.960	5725 to 5850	Pass		
50	120	5794.960	5725 to 5850	Pass			
802.11ac (VHT80)	MIMO	5775	20	102	5775.000	5725 to 5850	Pass
				120	5774.925	5725 to 5850	Pass
				138	5775.000	5725 to 5850	Pass
			-30	120	5775.000	5725 to 5850	Pass
			-20	120	5775.000	5725 to 5850	Pass
			-10	120	5774.925	5725 to 5850	Pass
			0	120	5775.000	5725 to 5850	Pass
			10	120	5775.000	5725 to 5850	Pass
			30	120	5775.000	5725 to 5850	Pass
			40	120	5775.000	5725 to 5850	Pass
50	120	5774.925	5725 to 5850	Pass			

## 6. Form731

### 6.1 Test Result

#### 6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5745	5825	0.0787	18.96
5755	5795	0.0655	18.16
5775	5775	0.0500	16.99