

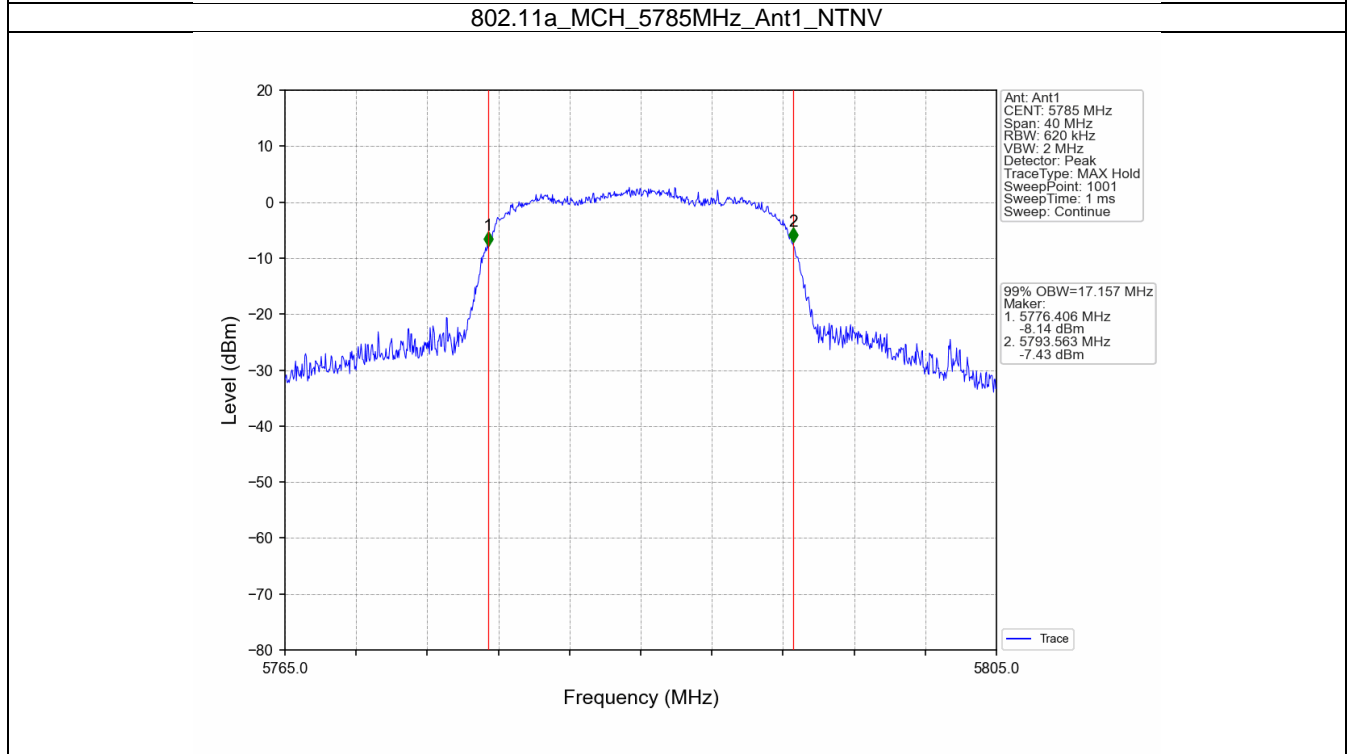
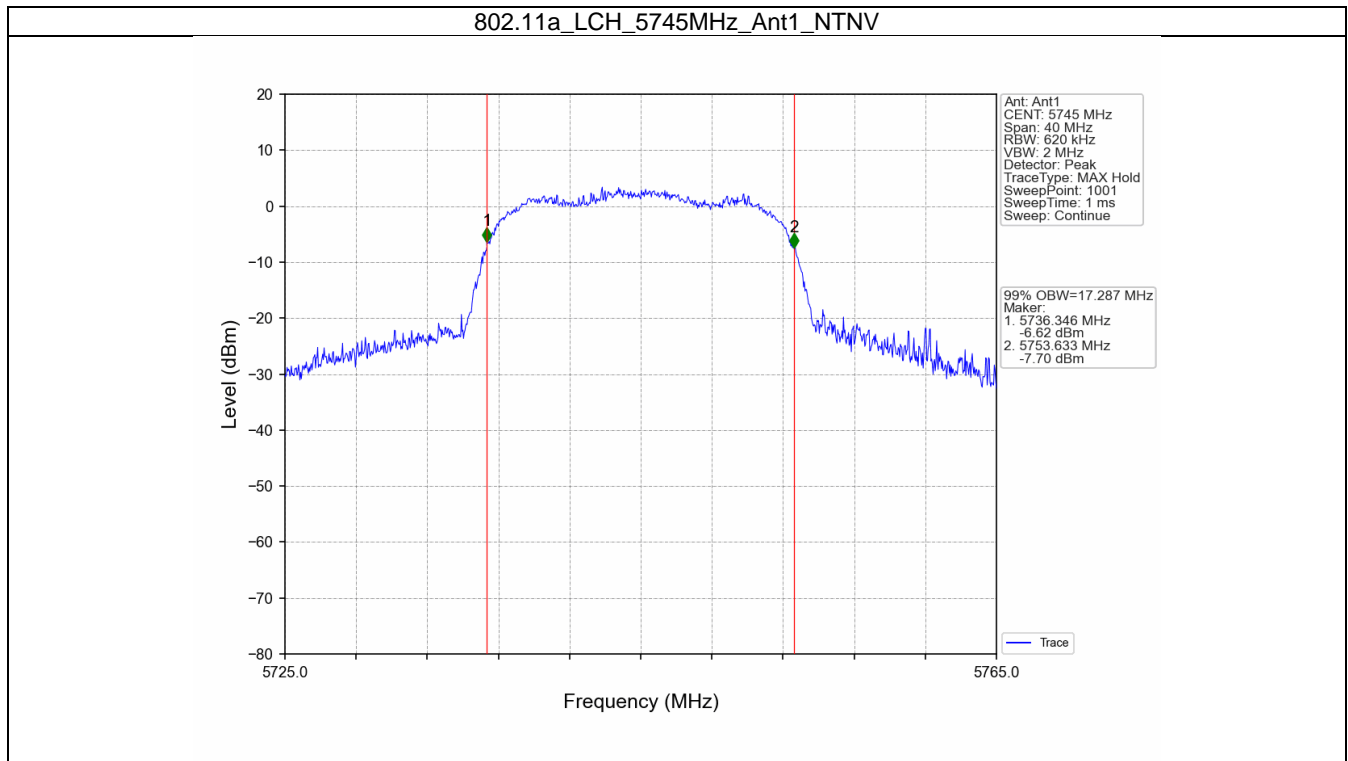
## 1. Bandwidth

### 1.1 OBW

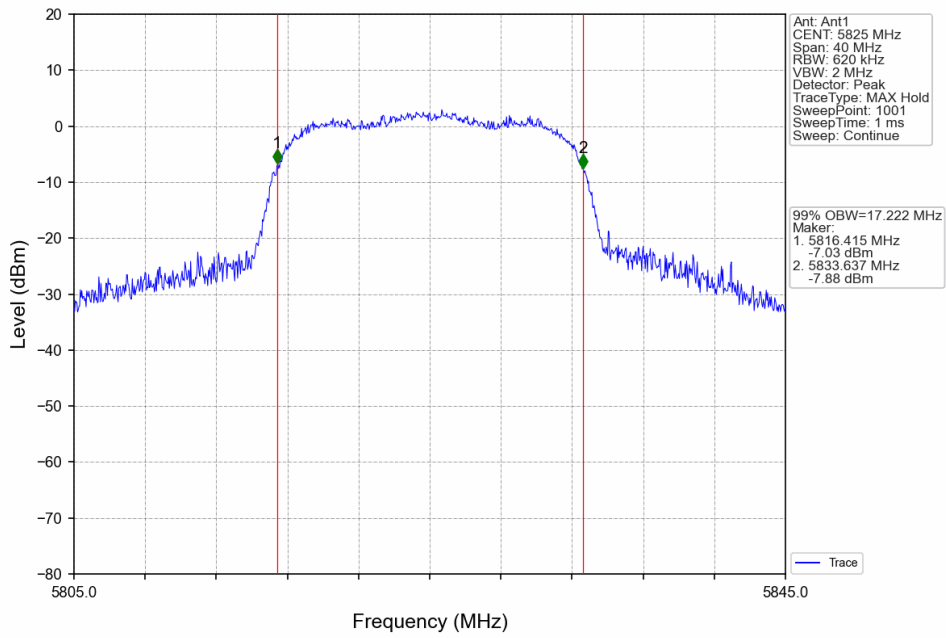
#### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	17.287	/	Pass
		5785	1	17.157	/	Pass
		5825	1	17.222	/	Pass
802.11n (HT20)	SISO	5745	1	17.920	/	Pass
		5785	1	17.909	/	Pass
		5825	1	17.935	/	Pass
802.11n (HT40)	SISO	5755	1	36.811	/	Pass
		5795	1	36.816	/	Pass

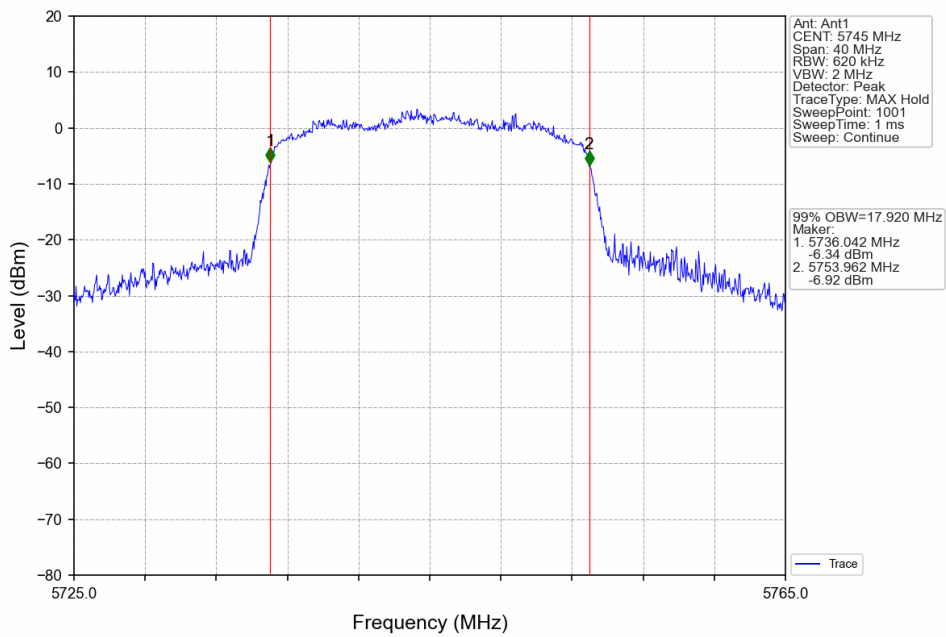
1.1.2 Test Graph



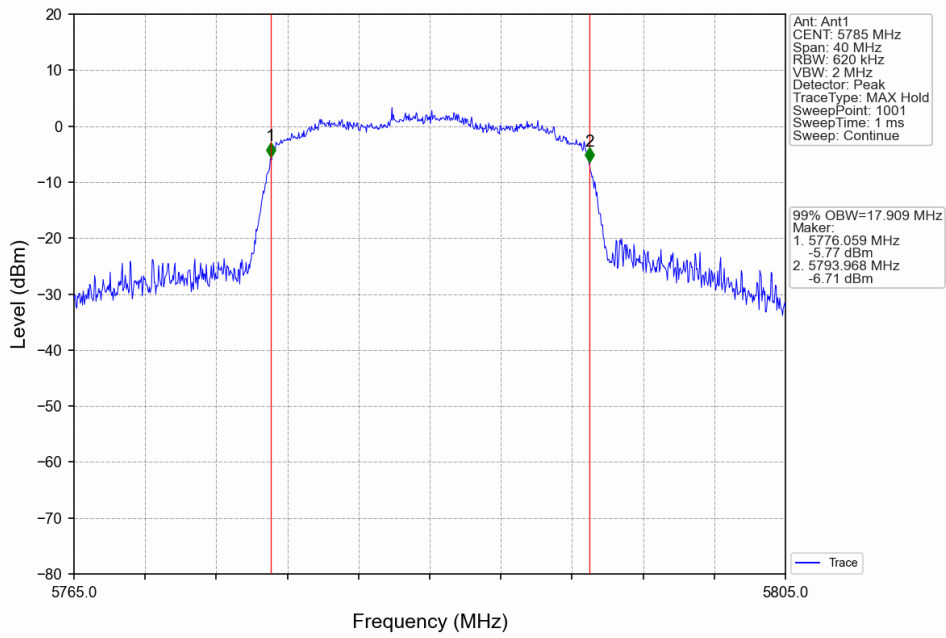
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



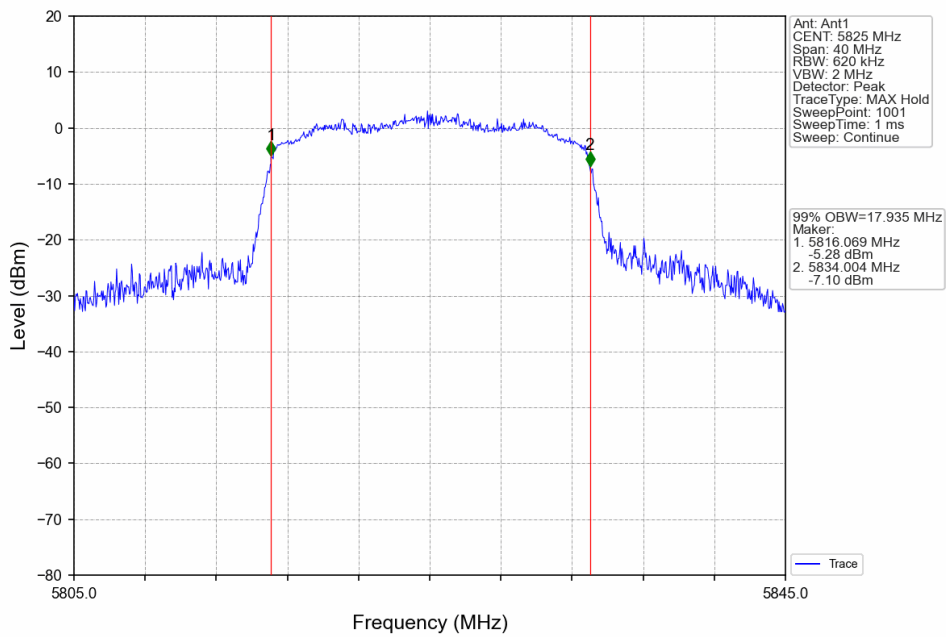
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



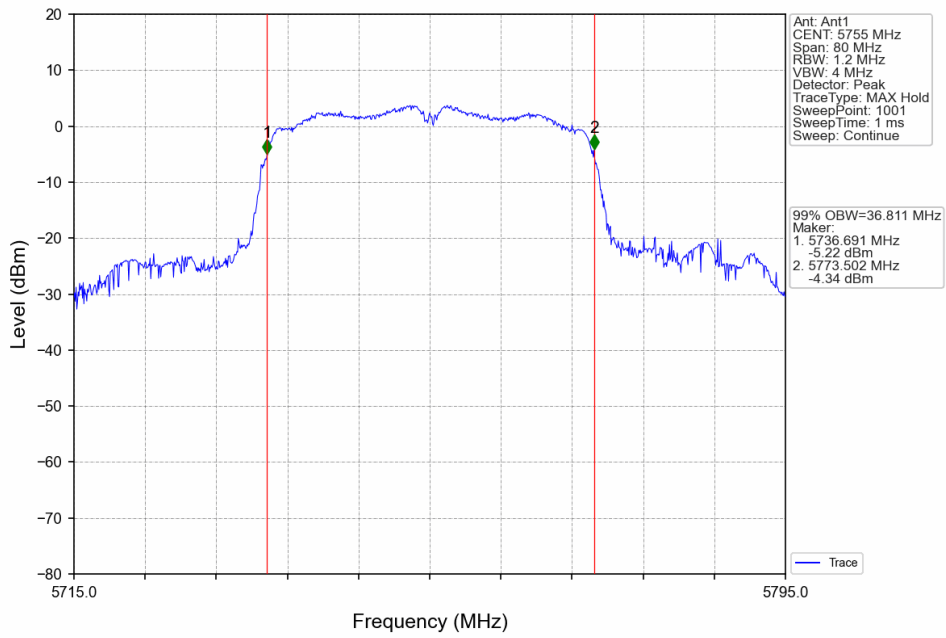
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



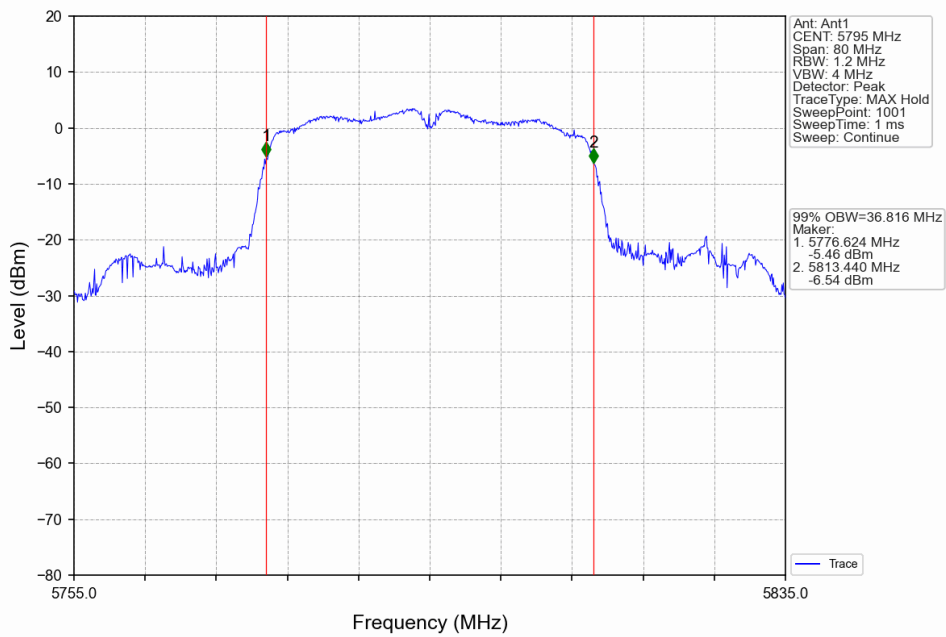
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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



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

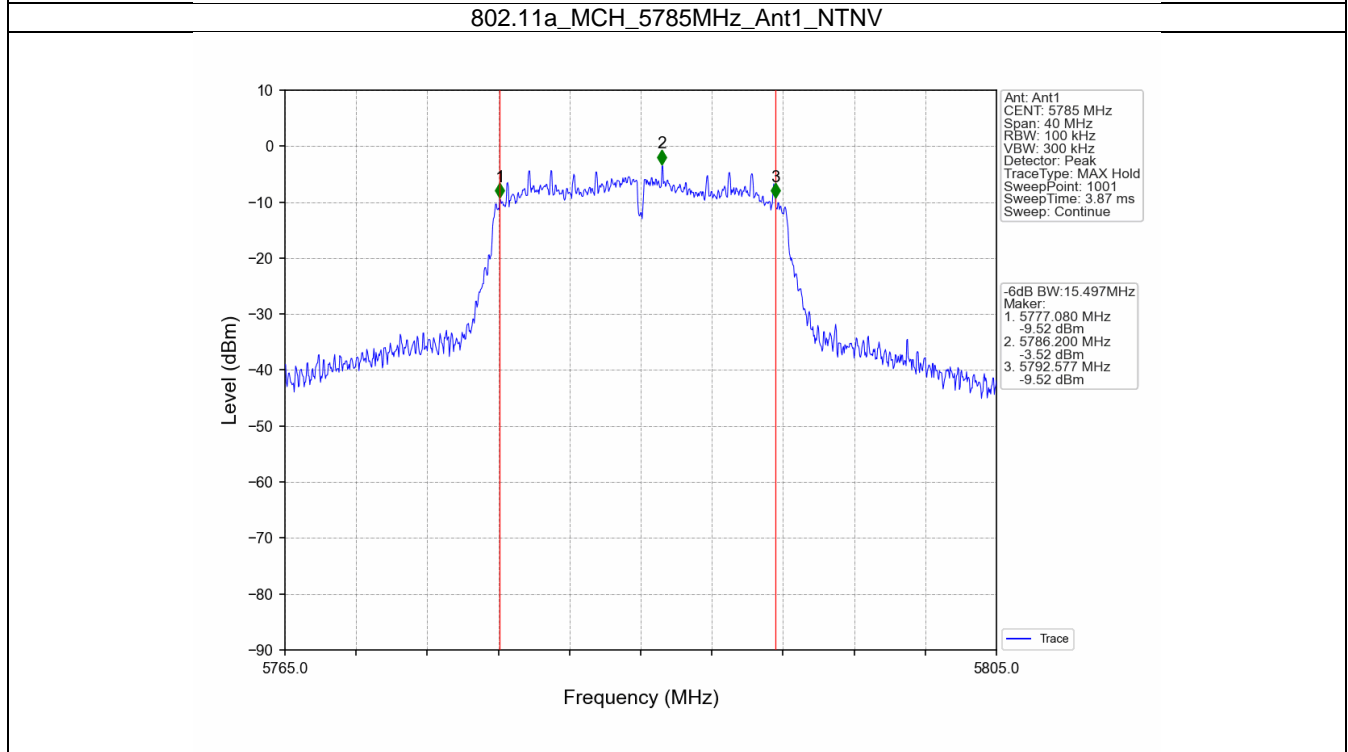
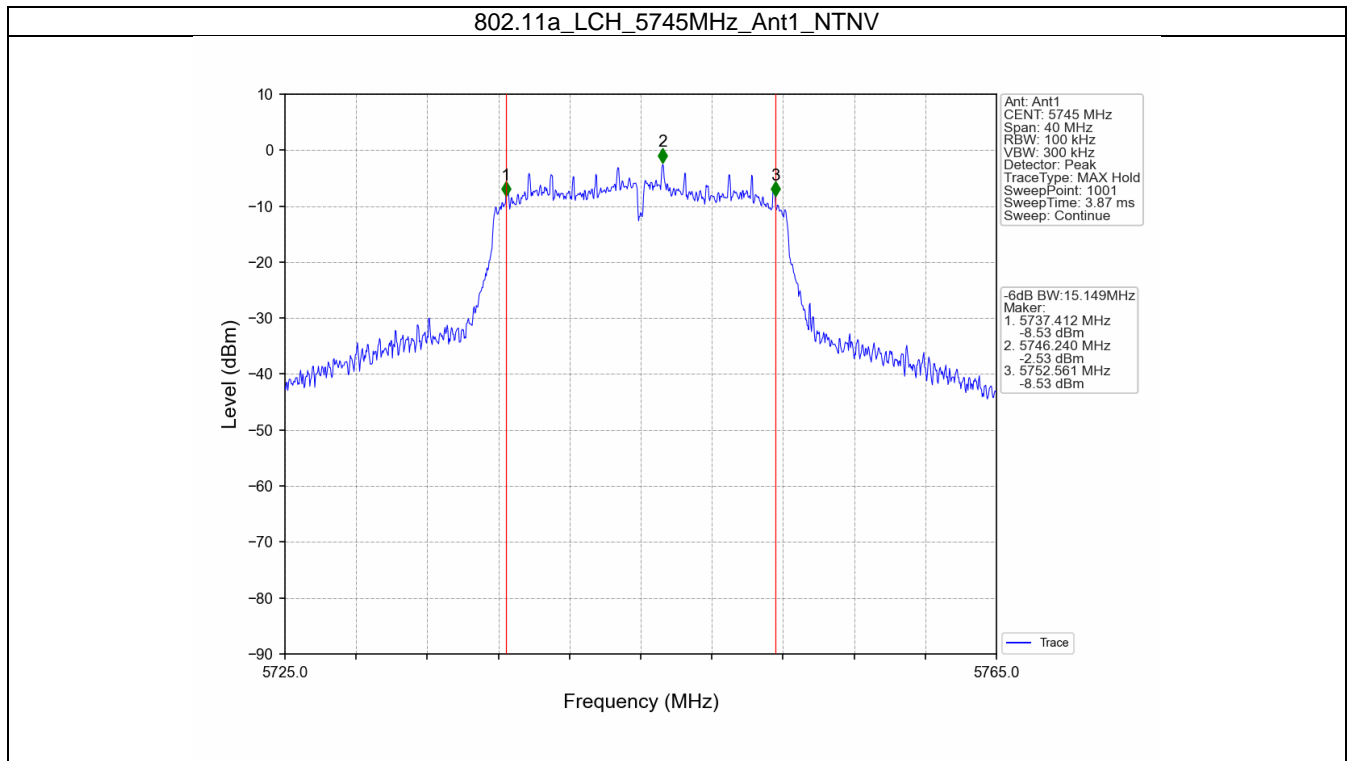


## 1.2 6dB BW

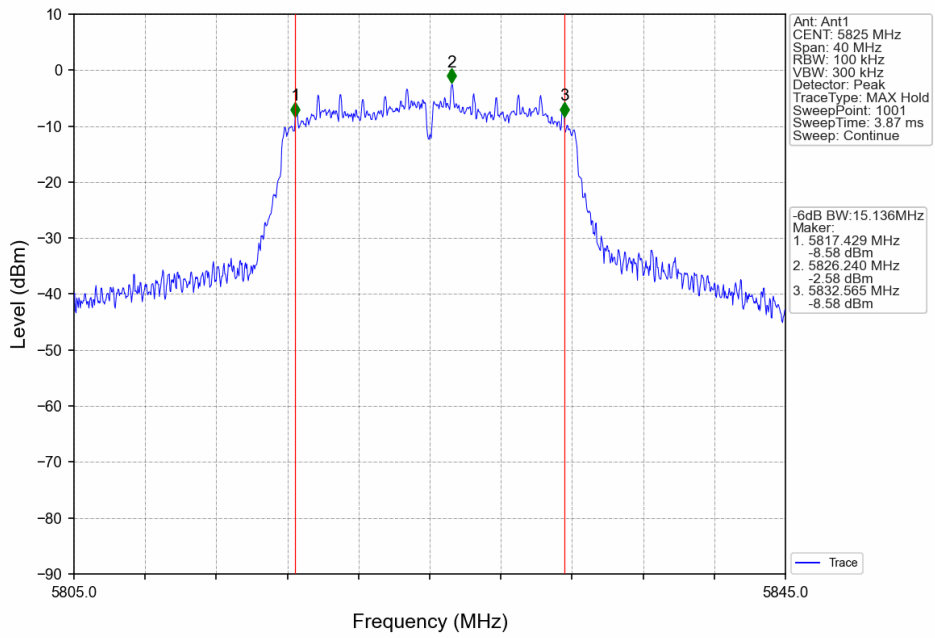
### 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.149	$\geq 0.5$	Pass
		5785	1	15.497	$\geq 0.5$	Pass
		5825	1	15.136	$\geq 0.5$	Pass
802.11n (HT20)	SISO	5745	1	15.156	$\geq 0.5$	Pass
		5785	1	15.150	$\geq 0.5$	Pass
		5825	1	15.152	$\geq 0.5$	Pass
802.11n (HT40)	SISO	5755	1	35.160	$\geq 0.5$	Pass
		5795	1	35.154	$\geq 0.5$	Pass

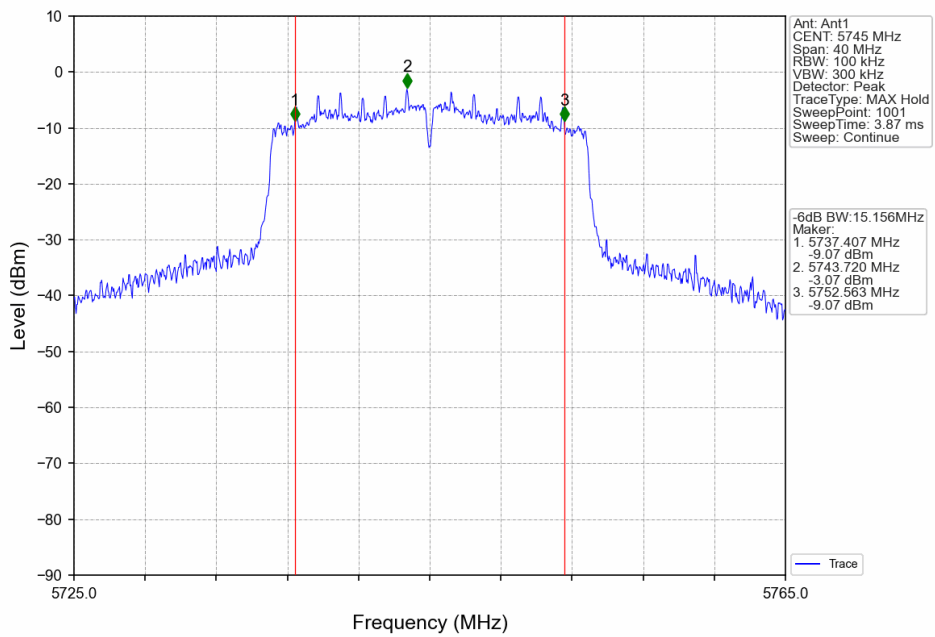
1.2.2 Test Graph



802.11a\_HCH\_5825MHz\_Ant1\_NTNV

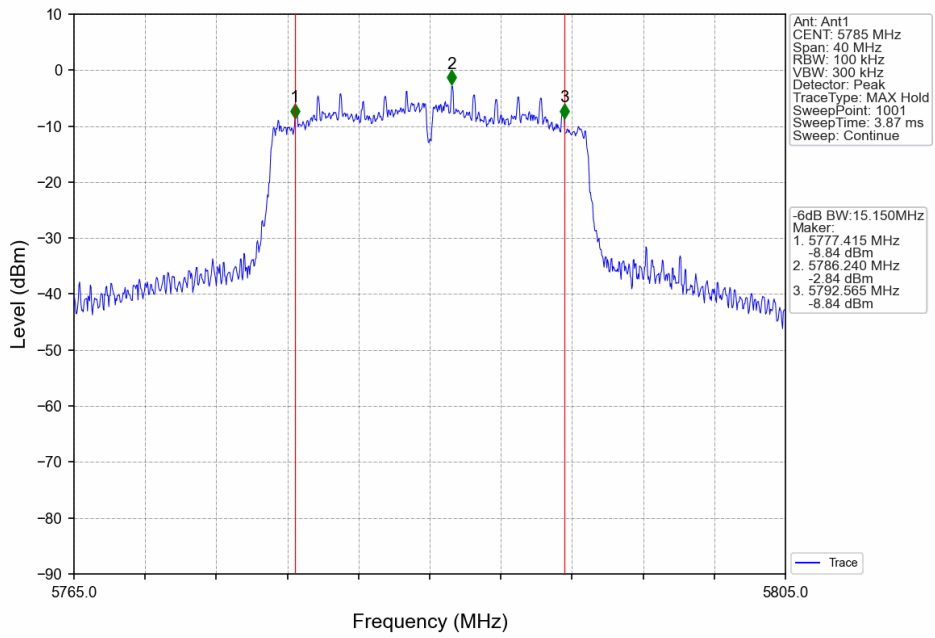


802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV

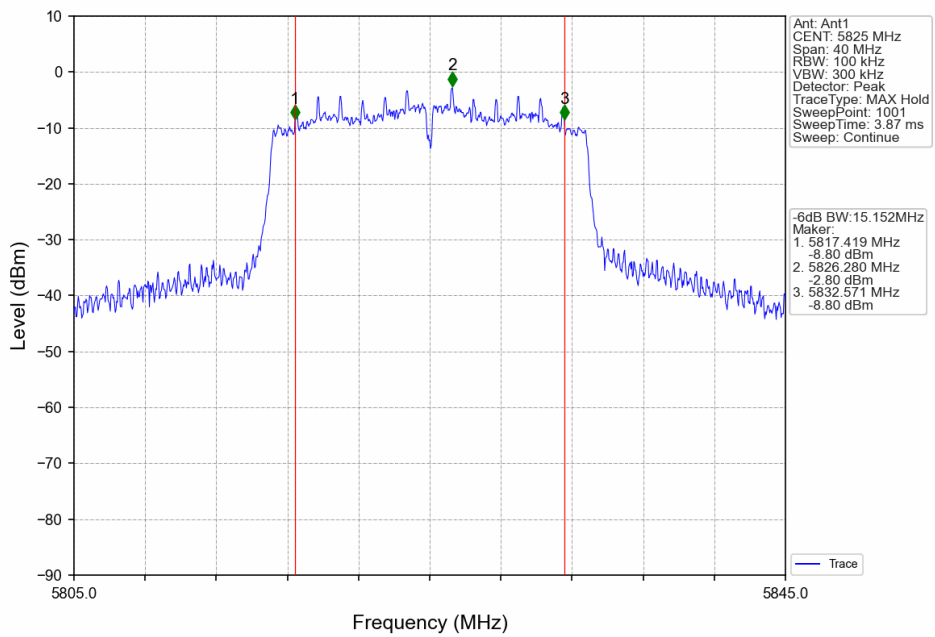




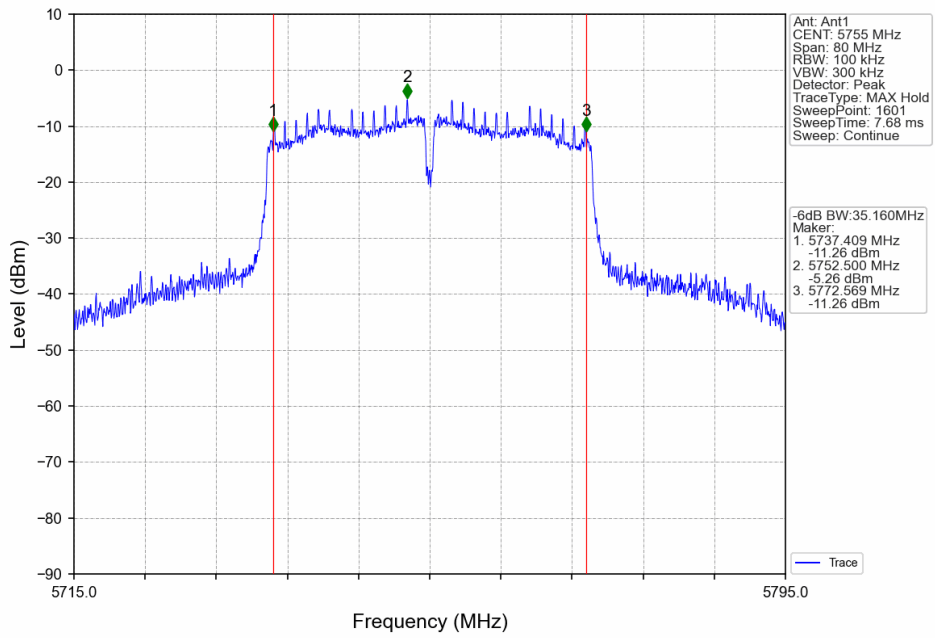
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



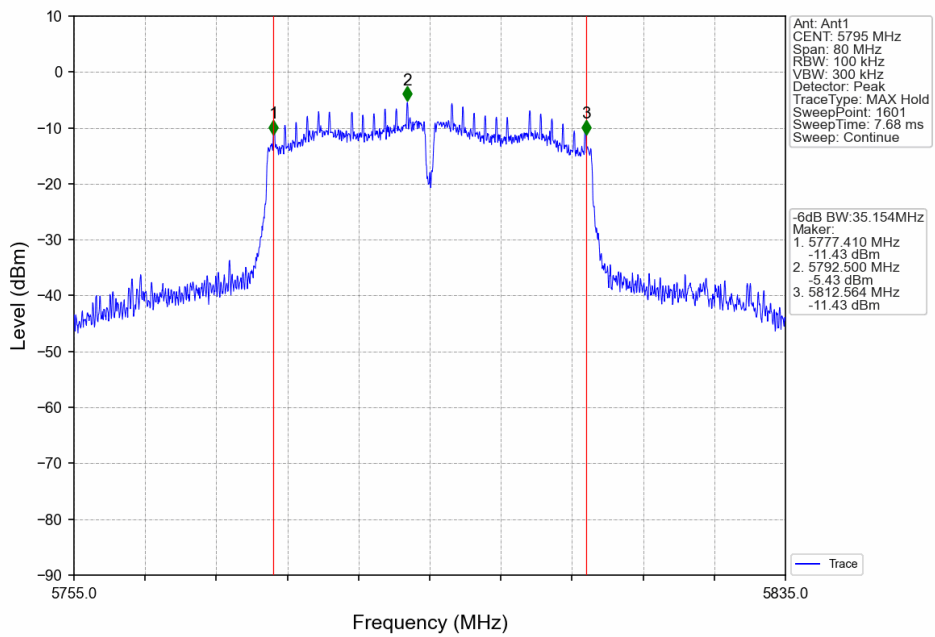
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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



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



## 2. Maximum Conducted Output Power

### 2.1 Power

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	7.47	<=30	Pass
		5785	7.17	<=30	Pass
		5825	7.29	<=30	Pass
802.11n (HT20)	SISO	5745	7.37	<=30	Pass
		5785	6.93	<=30	Pass
		5825	7.09	<=30	Pass
802.11n (HT40)	SISO	5755	7.43	<=30	Pass
		5795	7.18	<=30	Pass

Note1: Antenna Gain: Ant1: 3.46dBi;

### 3. Maximum Power Spectral Density

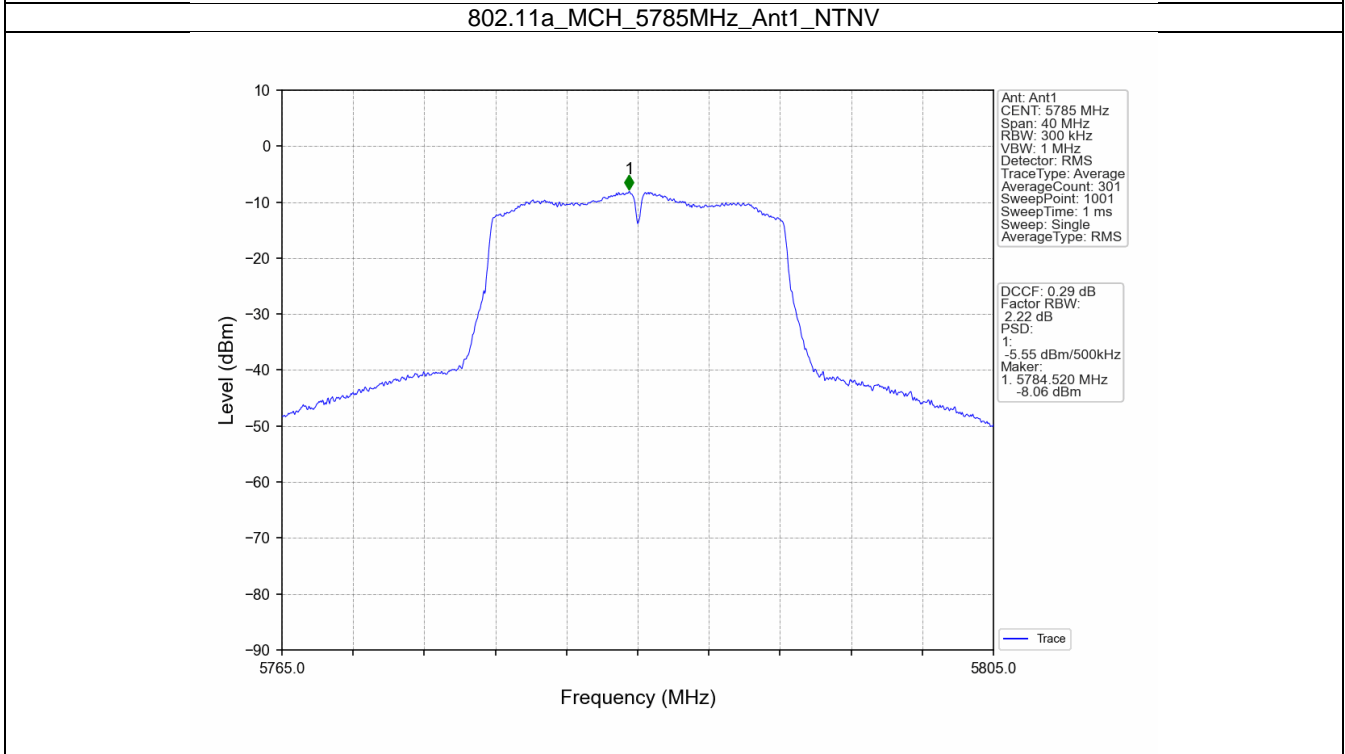
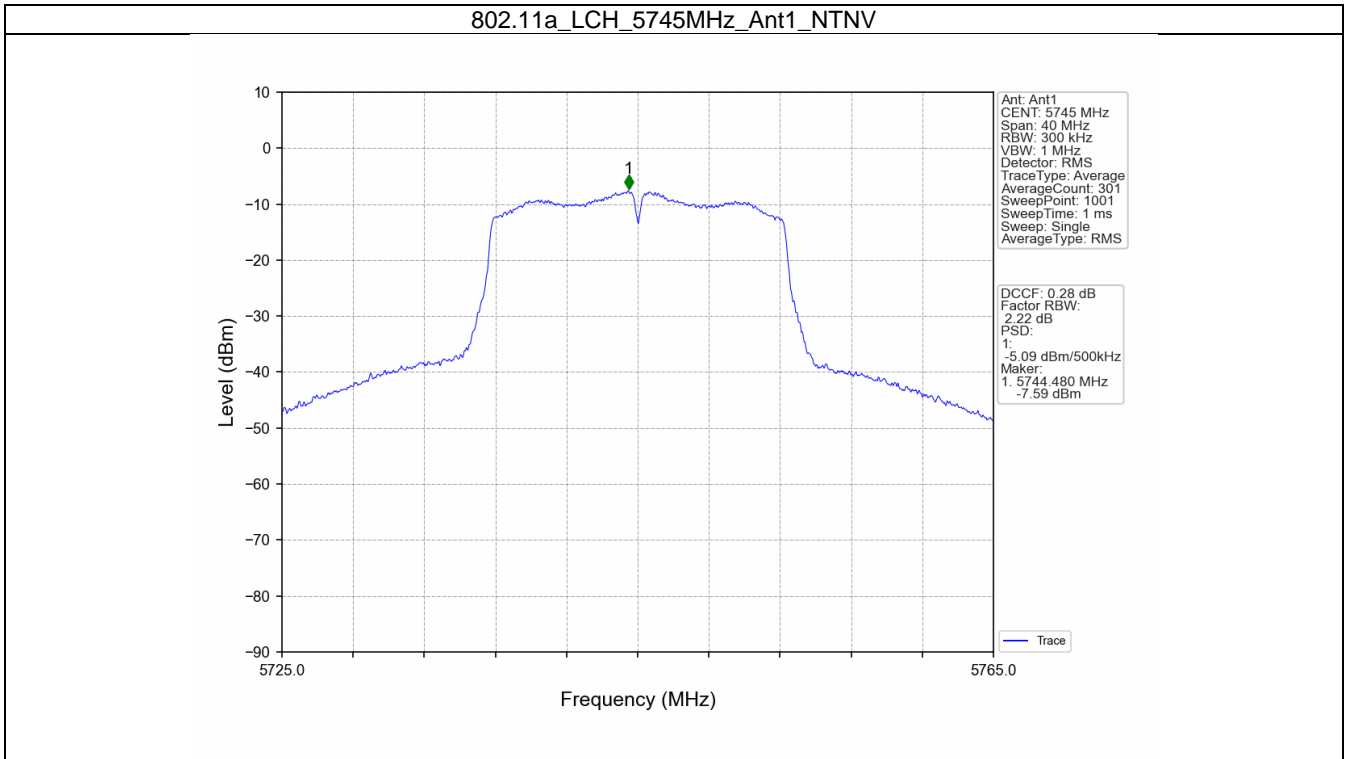
#### 3.1 PSD-Band3

##### 3.1.1 Test Result

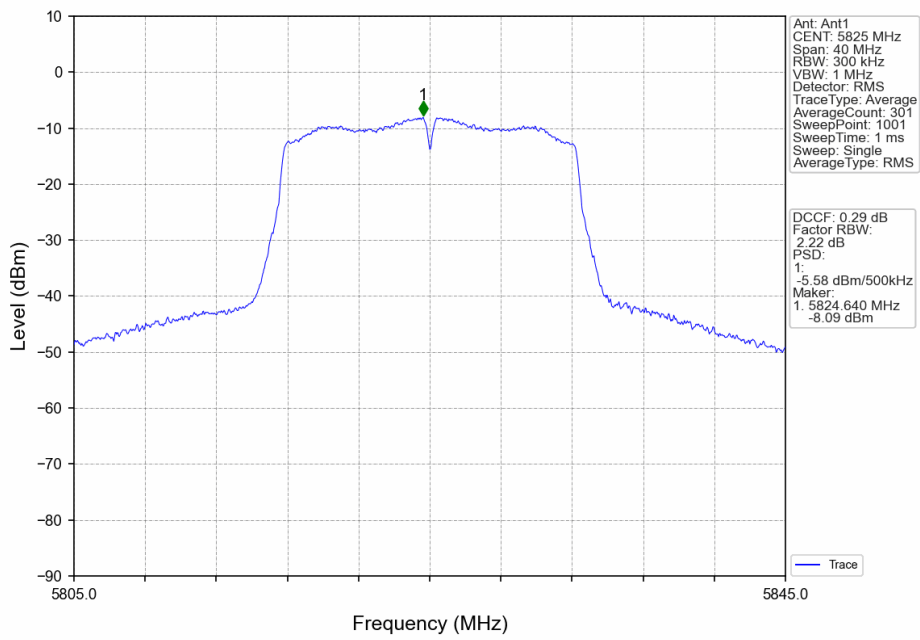
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-5.09	<=30	Pass
		5785	-5.55	<=30	Pass
		5825	-5.58	<=30	Pass
802.11n (HT20)	SISO	5745	-5.52	<=30	Pass
		5785	-5.89	<=30	Pass
		5825	-5.79	<=30	Pass
802.11n (HT40)	SISO	5755	-8.42	<=30	Pass
		5795	-8.67	<=30	Pass

Note1: Antenna Gain: Ant1: 3.46dBi;

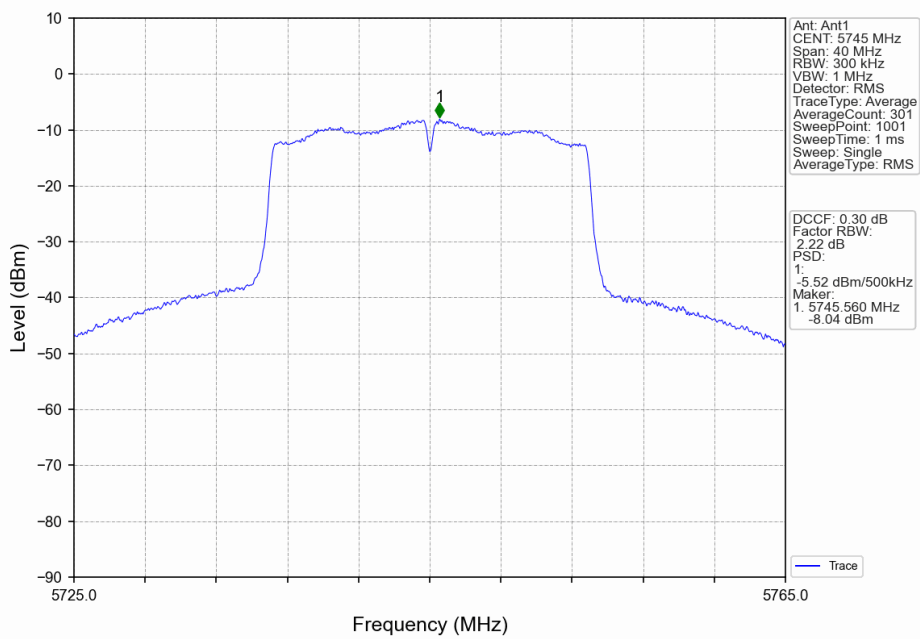
3.1.2 Test Graph



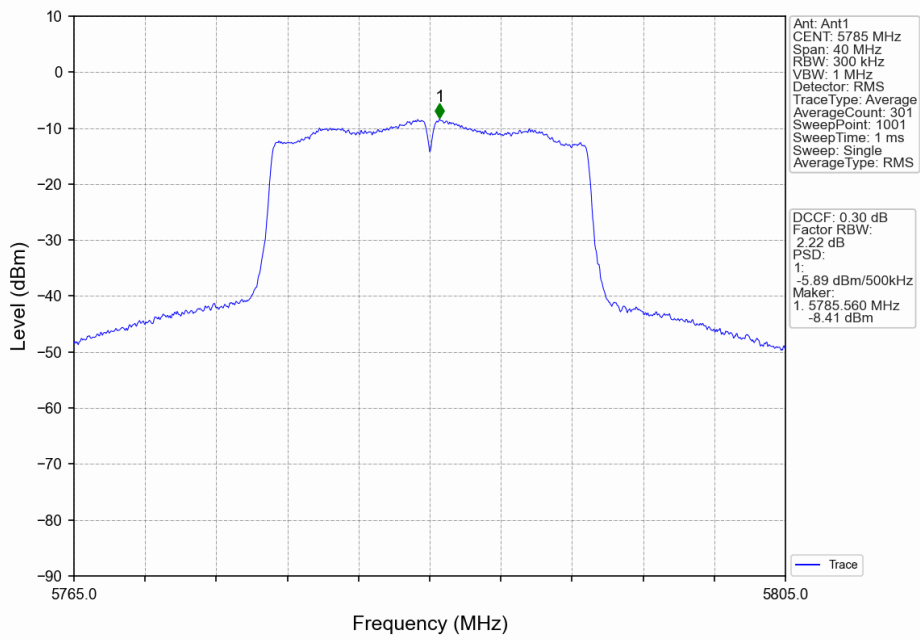
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



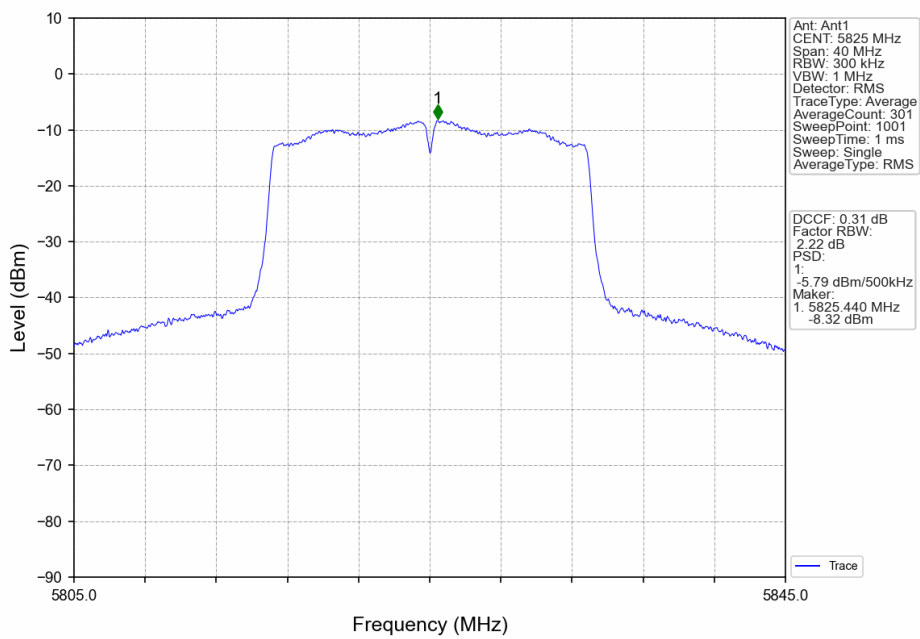
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



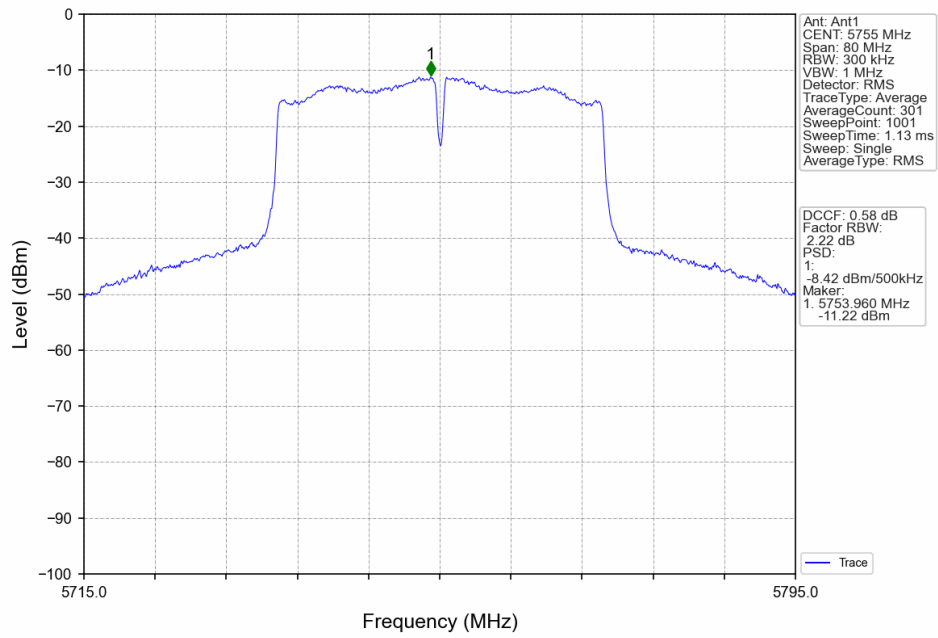
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



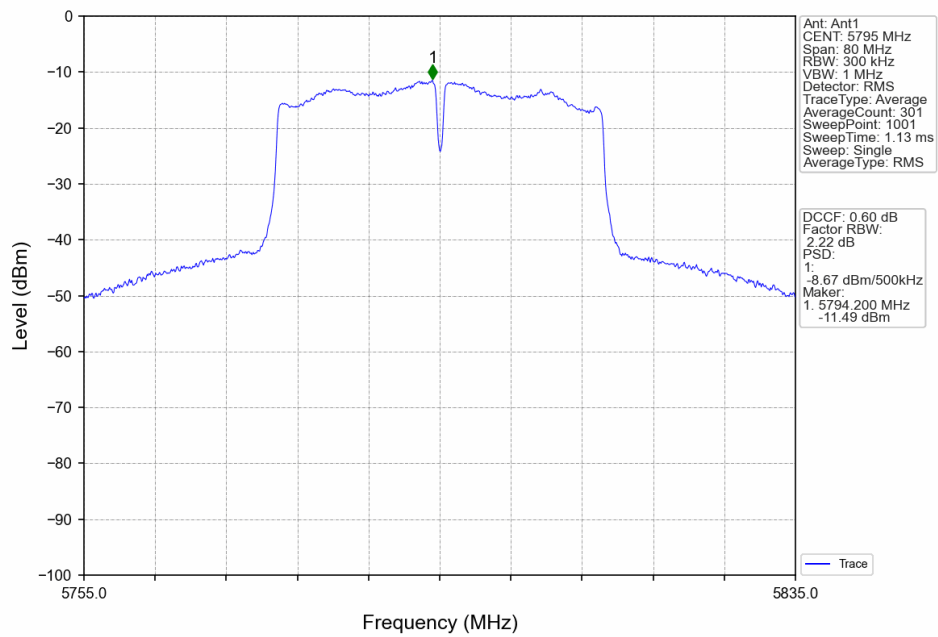
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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



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





### 4. Frequency Stability

#### 4.1 Ant1

##### 4.1.1 Test Result

Ant1										
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict			
Carrier Wave	SISO	5745	20	102	5744.977	5725 to 5850	Pass			
				120	5744.977	5725 to 5850	Pass			
				138	5744.977	5725 to 5850	Pass			
			5785	-30	120	5744.977	5725 to 5850	Pass		
					-20	120	5744.977	5725 to 5850	Pass	
					-10	120	5744.977	5725 to 5850	Pass	
				5825	0	120	5744.977	5725 to 5850	Pass	
						10	120	5744.977	5725 to 5850	Pass
						30	120	5744.977	5725 to 5850	Pass
		5755			40	120	5744.977	5725 to 5850	Pass	
						50	120	5744.977	5725 to 5850	Pass
						20	102	5784.977	5725 to 5850	Pass
			120		5784.977		5725 to 5850	Pass		
			138		5784.977		5725 to 5850	Pass		
			5795		-30	120	5784.977	5725 to 5850	Pass	
				-20		120	5784.977	5725 to 5850	Pass	
				-10		120	5784.977	5725 to 5850	Pass	
				5825	0	120	5784.977	5725 to 5850	Pass	
		10				120	5784.977	5725 to 5850	Pass	
		30				120	5784.977	5725 to 5850	Pass	
		5755			40	120	5784.977	5725 to 5850	Pass	
						50	120	5784.977	5725 to 5850	Pass
						20	102	5824.977	5725 to 5850	Pass
			120		5824.977		5725 to 5850	Pass		
			138		5824.977		5725 to 5850	Pass		
			5795		-30	120	5824.977	5725 to 5850	Pass	
				-20		120	5824.977	5725 to 5850	Pass	
				-10		120	5824.977	5725 to 5850	Pass	
				5755	0	120	5824.977	5725 to 5850	Pass	
		10				120	5824.977	5725 to 5850	Pass	
		30				120	5824.977	5725 to 5850	Pass	
		5795			40	120	5824.977	5725 to 5850	Pass	
						50	120	5824.977	5725 to 5850	Pass
						20	102	5754.977	5725 to 5850	Pass
			120		5754.977		5725 to 5850	Pass		
			138		5754.977		5725 to 5850	Pass		
			5795		-30	120	5754.977	5725 to 5850	Pass	
				-20		120	5754.977	5725 to 5850	Pass	
				-10		120	5754.977	5725 to 5850	Pass	
				5795	0	120	5754.977	5725 to 5850	Pass	
		10				120	5754.977	5725 to 5850	Pass	
		30				120	5754.977	5725 to 5850	Pass	
		5795			40	120	5754.977	5725 to 5850	Pass	
						50	120	5754.977	5725 to 5850	Pass
						20	102	5794.977	5725 to 5850	Pass
			120		5794.977		5725 to 5850	Pass		
			138		5794.977		5725 to 5850	Pass		

			138	5794.977	5725 to 5850	Pass	
			-30	120	5794.977	5725 to 5850	Pass
			-20	120	5794.977	5725 to 5850	Pass
			-10	120	5794.977	5725 to 5850	Pass
			0	120	5794.977	5725 to 5850	Pass
			10	120	5794.977	5725 to 5850	Pass
			30	120	5794.977	5725 to 5850	Pass
			40	120	5794.977	5725 to 5850	Pass
			50	120	5794.977	5725 to 5850	Pass