

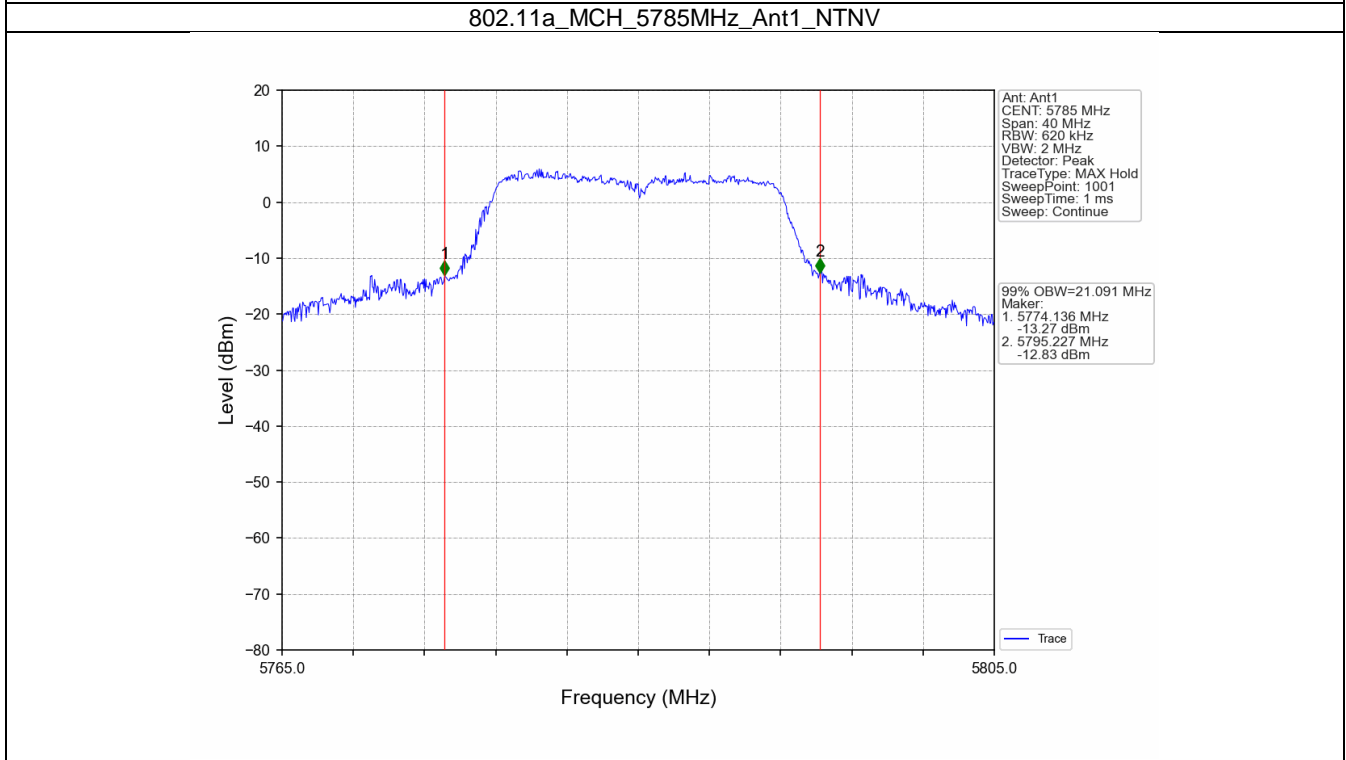
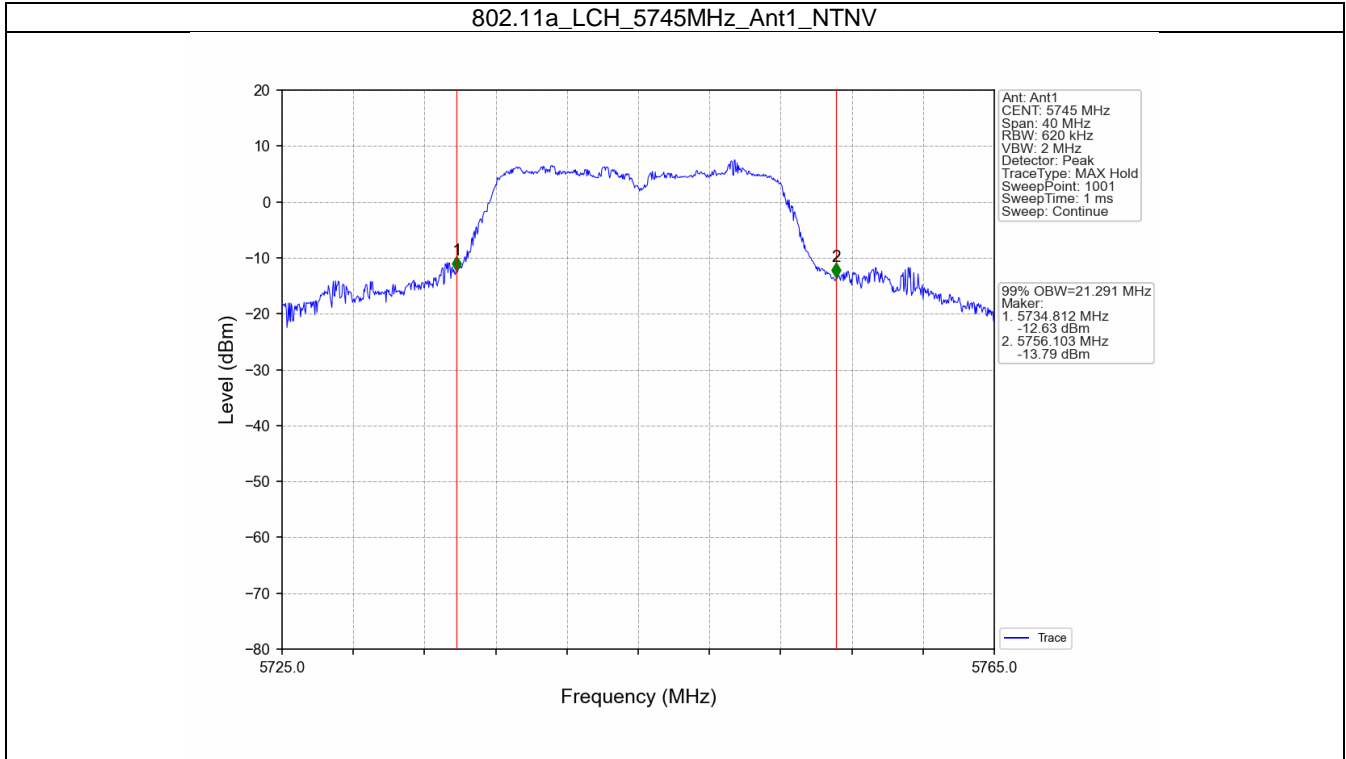
## 1. Bandwidth

### 1.1 OBW

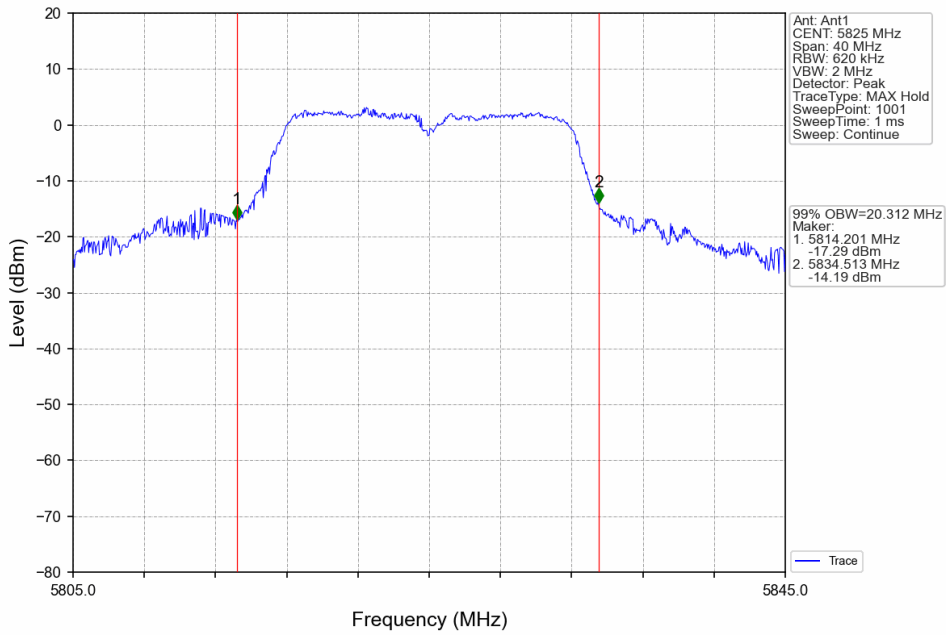
#### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	1	21.291	Pass
		5785	1	21.091	Pass
		5825	1	20.312	Pass
802.11n (HT20)	SISO	5745	1	21.126	Pass
		5785	1	21.637	Pass
		5825	1	19.358	Pass
802.11n (HT40)	SISO	5755	1	38.989	Pass
		5795	1	39.607	Pass
802.11ac (VHT20)	SISO	5745	1	20.435	Pass
		5785	1	21.721	Pass
		5825	1	20.334	Pass
802.11ac (VHT40)	SISO	5755	1	39.850	Pass
		5795	1	39.215	Pass
802.11ac (VHT80)	SISO	5775	1	78.579	Pass

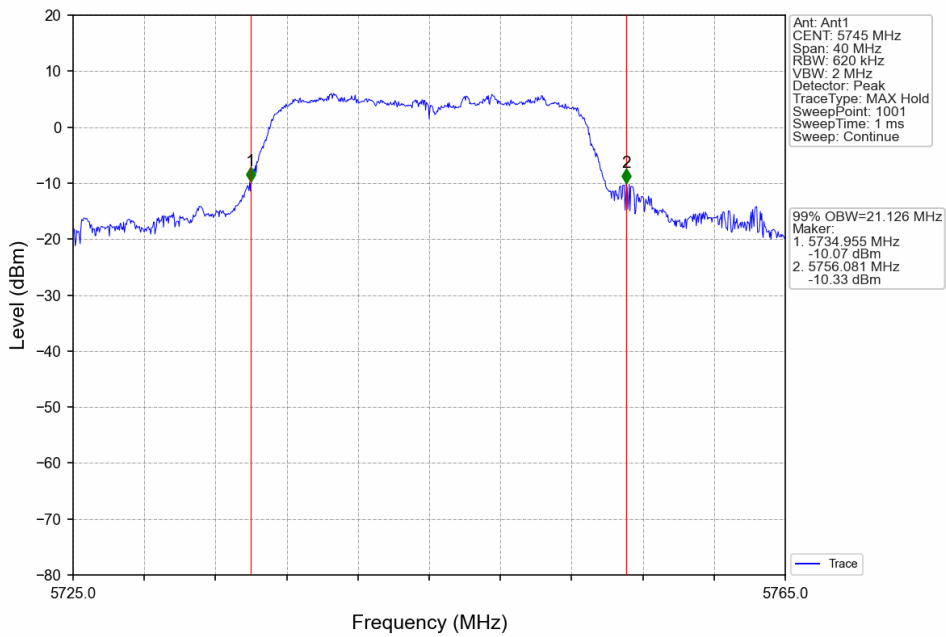
1.1.2 Test Graph



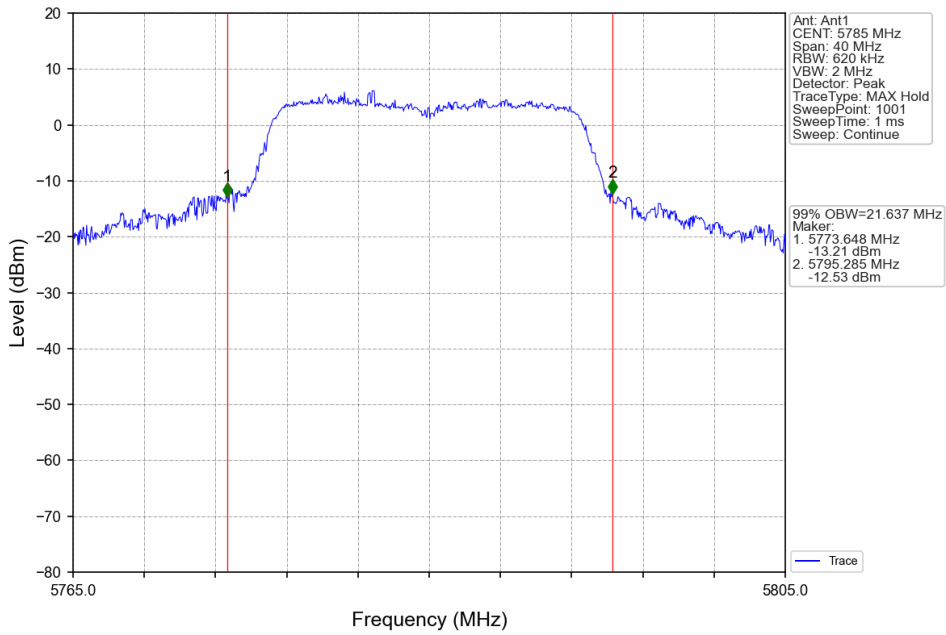
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



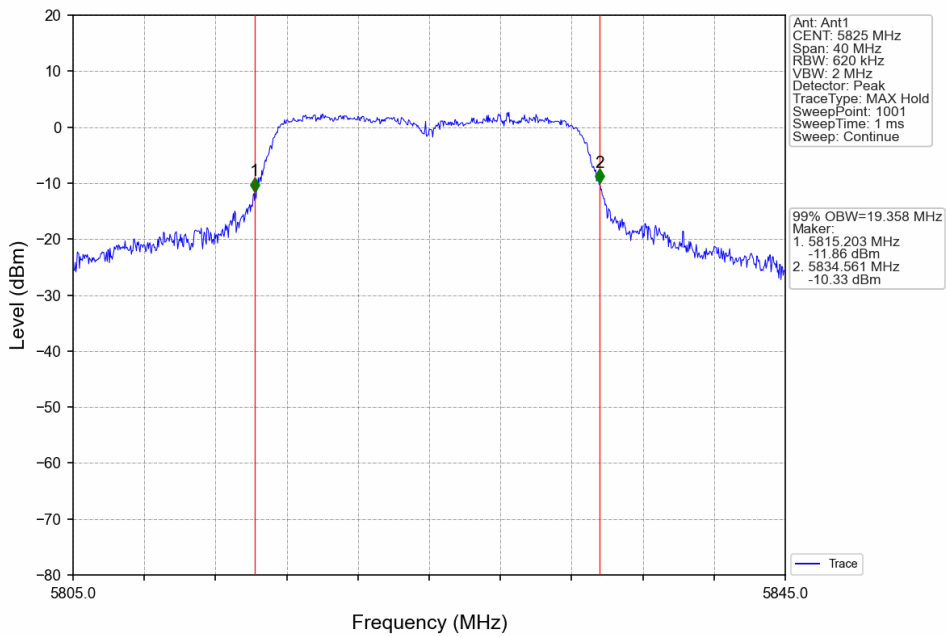
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



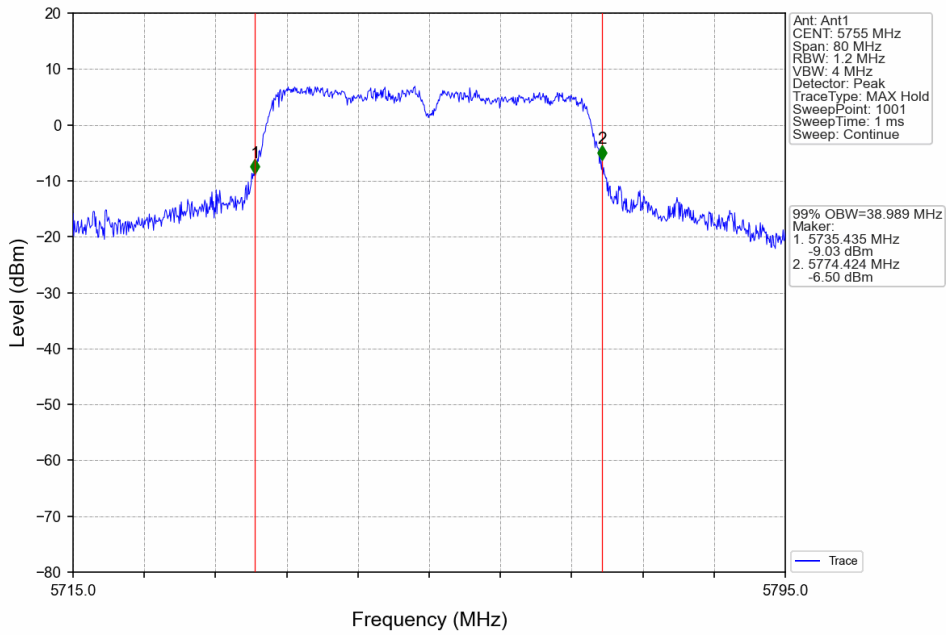
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



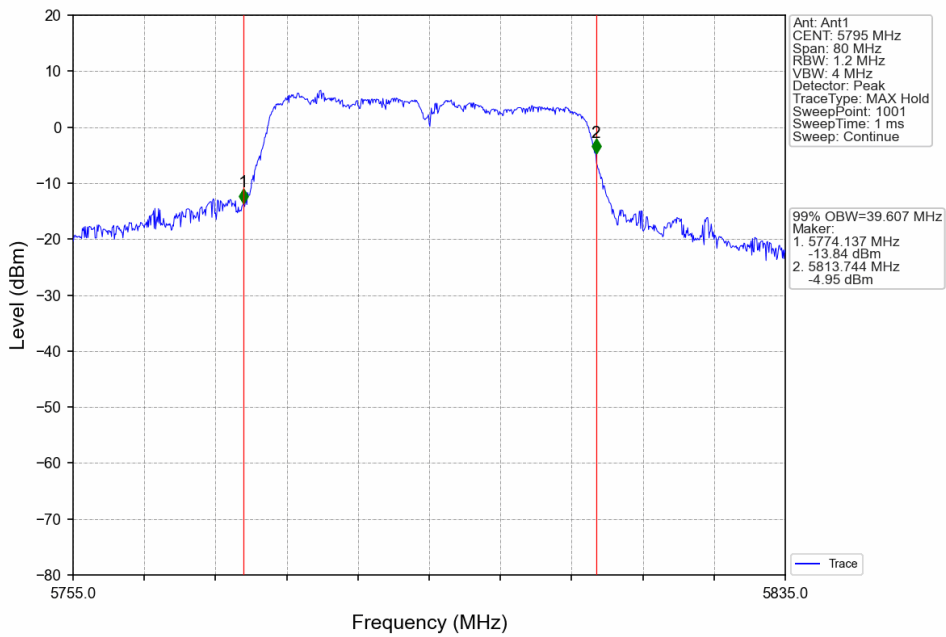
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



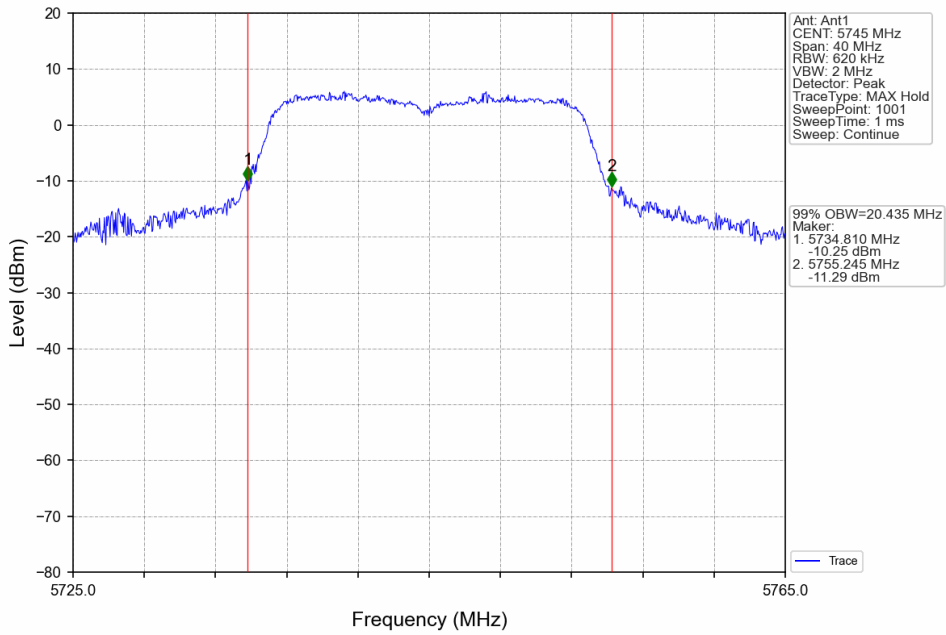
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



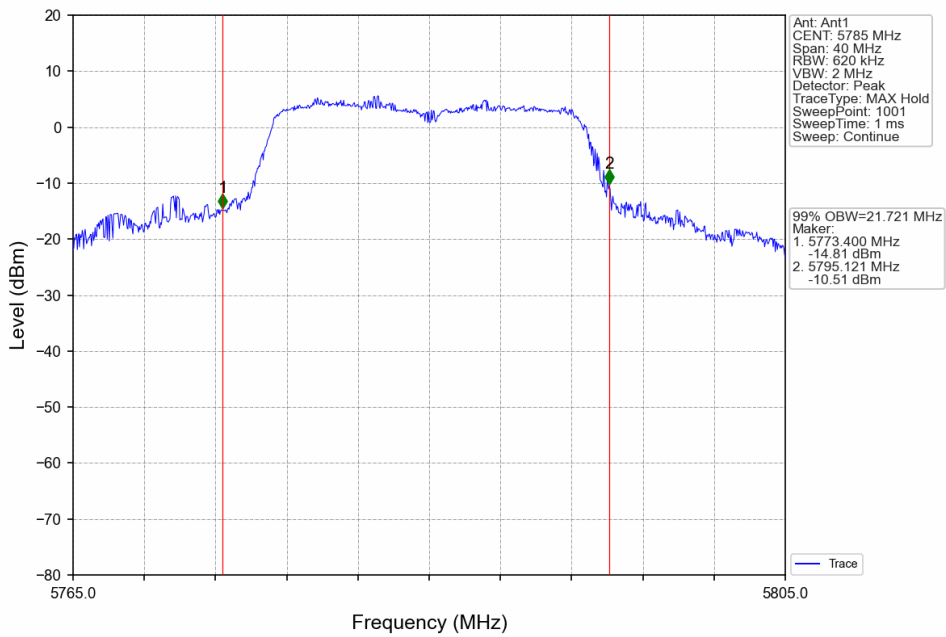
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



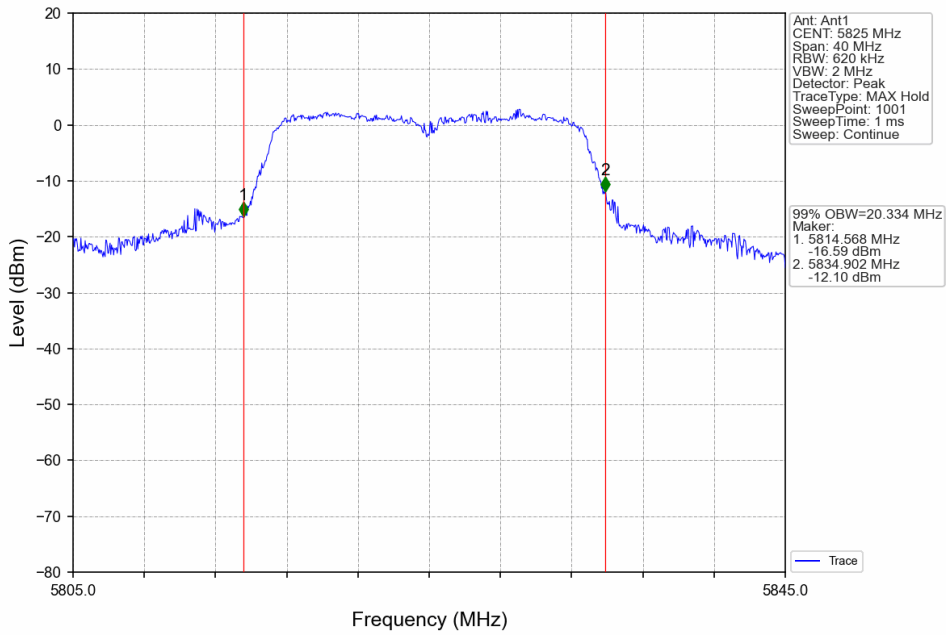
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



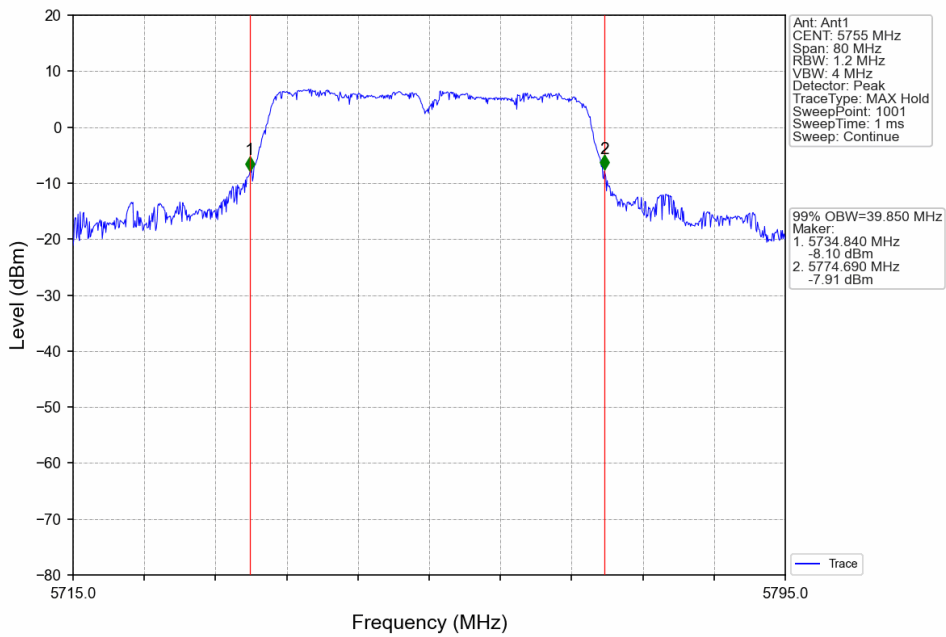
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



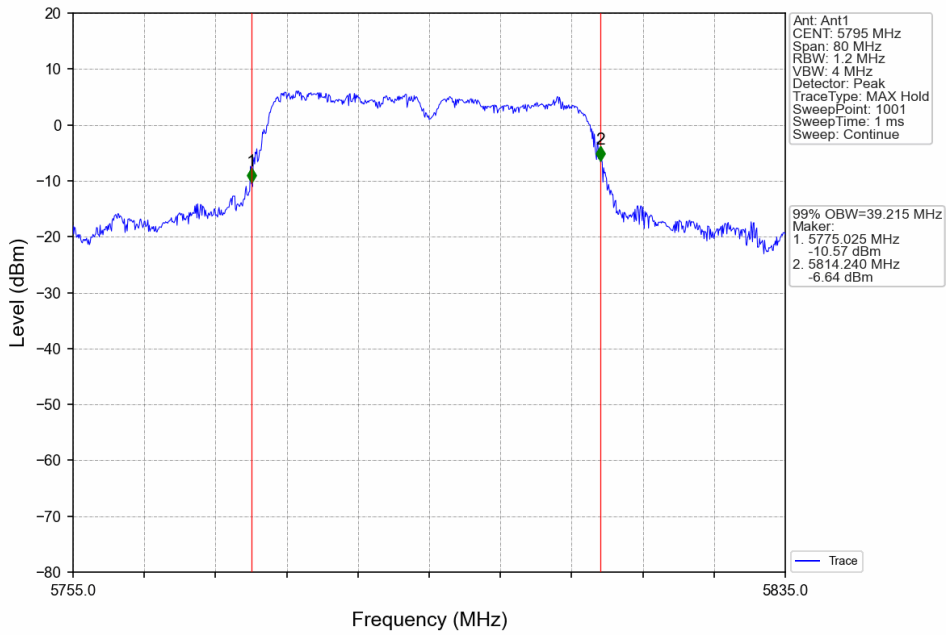
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



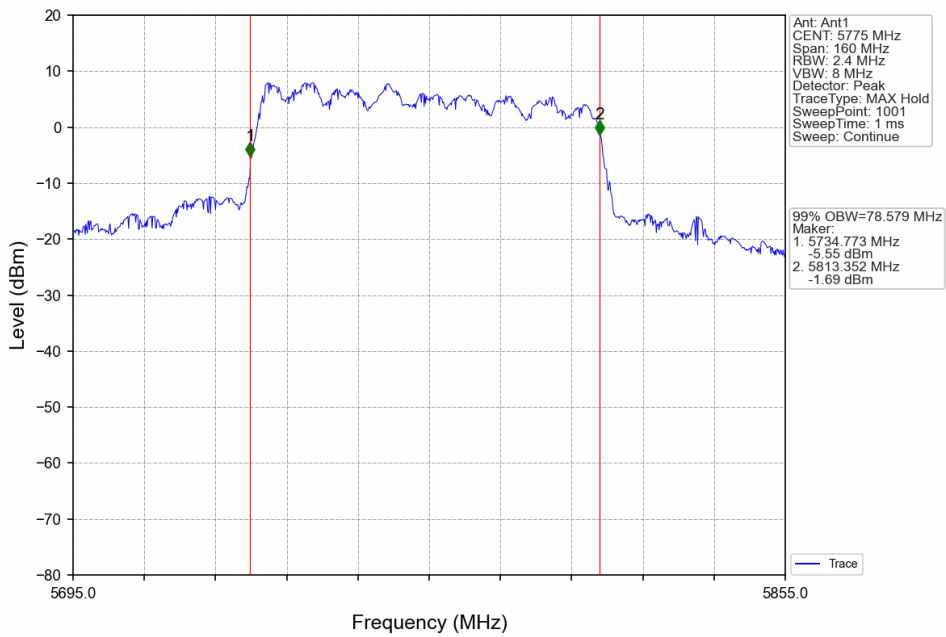
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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



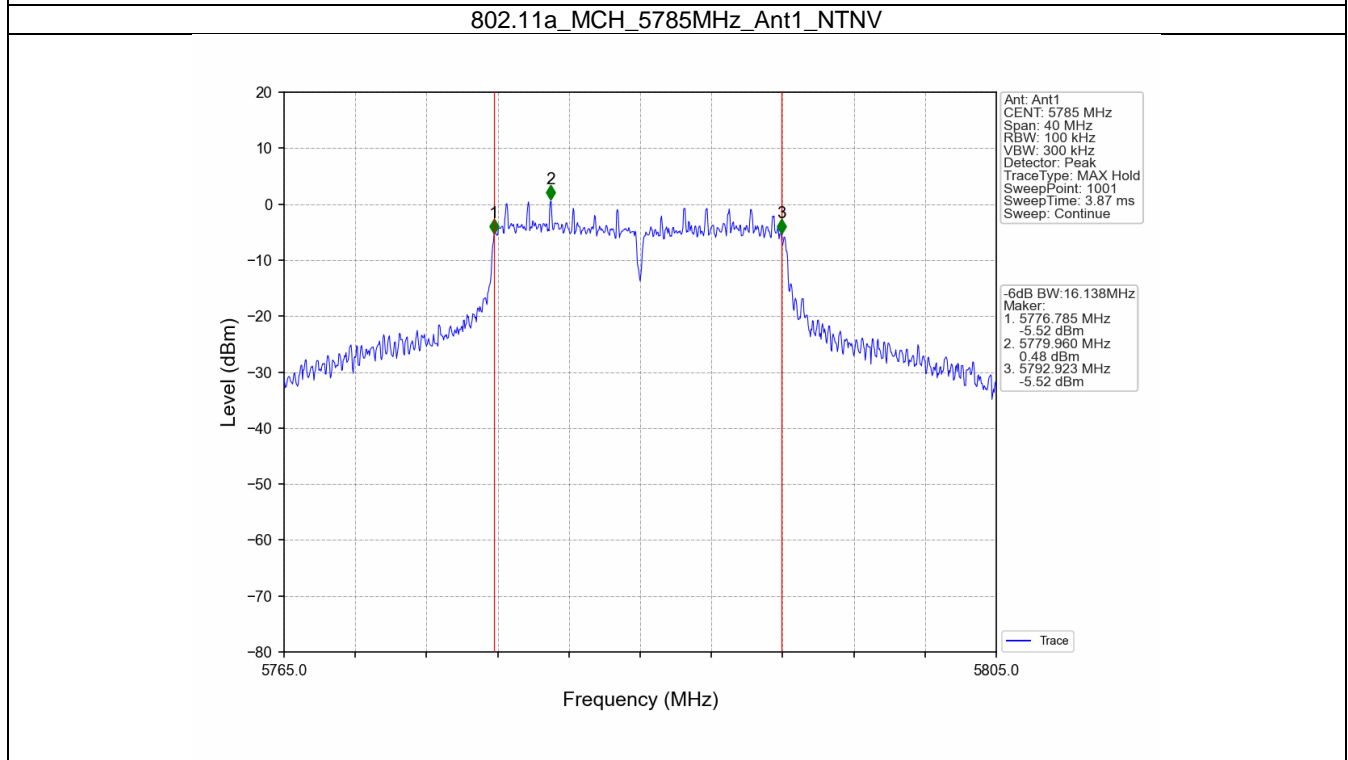
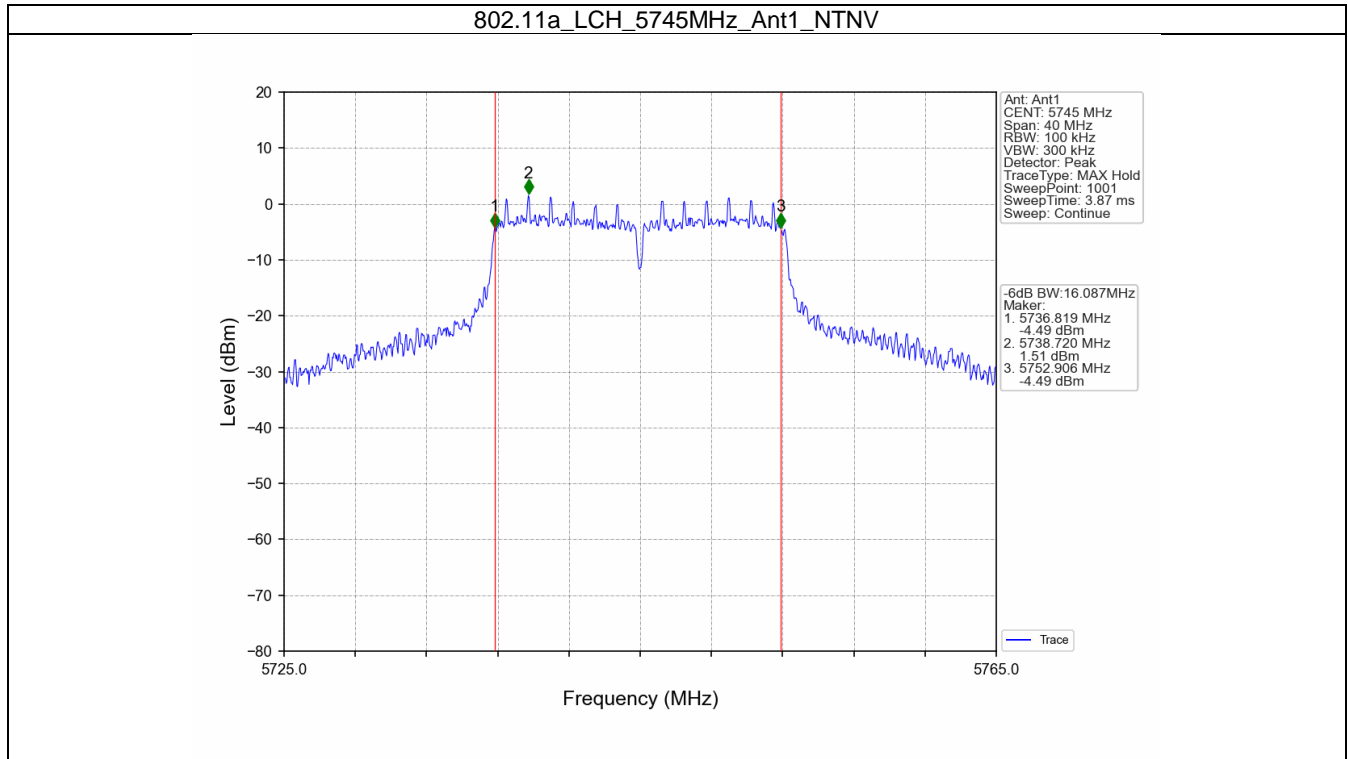


## 1.2 6dB BW

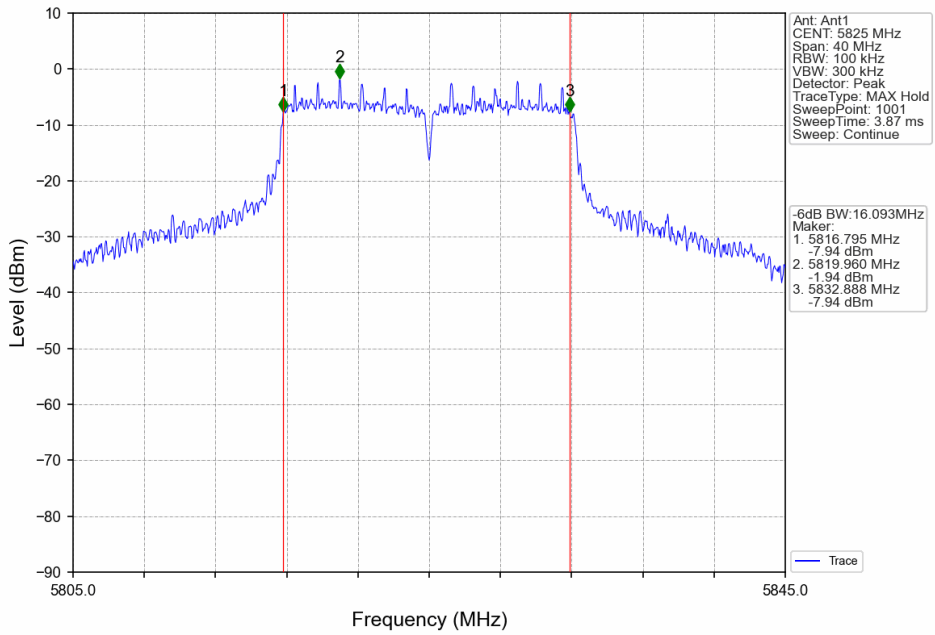
### 1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.087	>=0.5	Pass
		5785	1	16.138	>=0.5	Pass
		5825	1	16.093	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	16.993	>=0.5	Pass
		5785	1	16.671	>=0.5	Pass
		5825	1	16.675	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.519	>=0.5	Pass
		5795	1	35.373	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	16.932	>=0.5	Pass
		5785	1	16.363	>=0.5	Pass
		5825	1	16.938	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.523	>=0.5	Pass
		5795	1	35.389	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	73.936	>=0.5	Pass

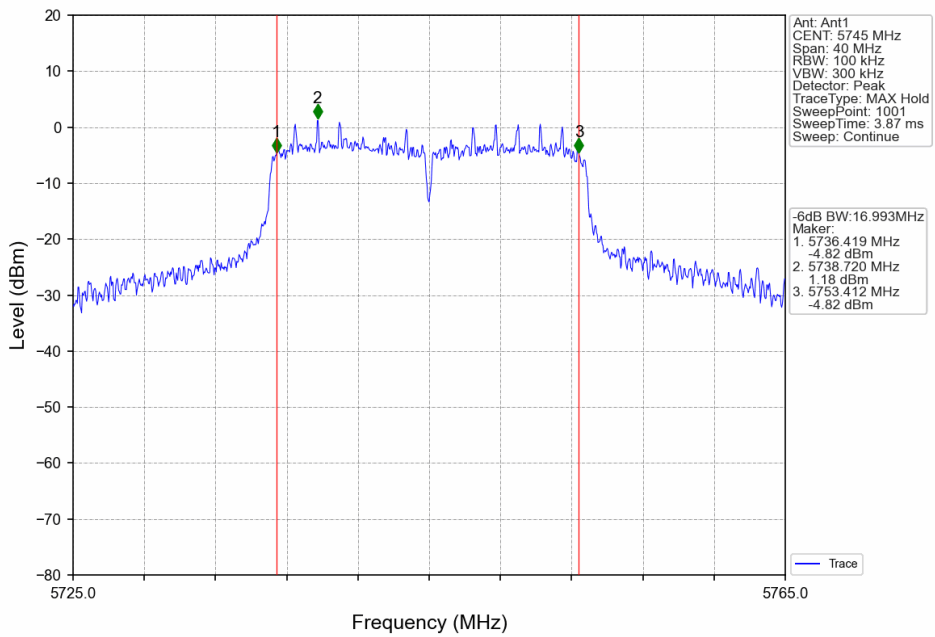
1.2.2 Test Graph



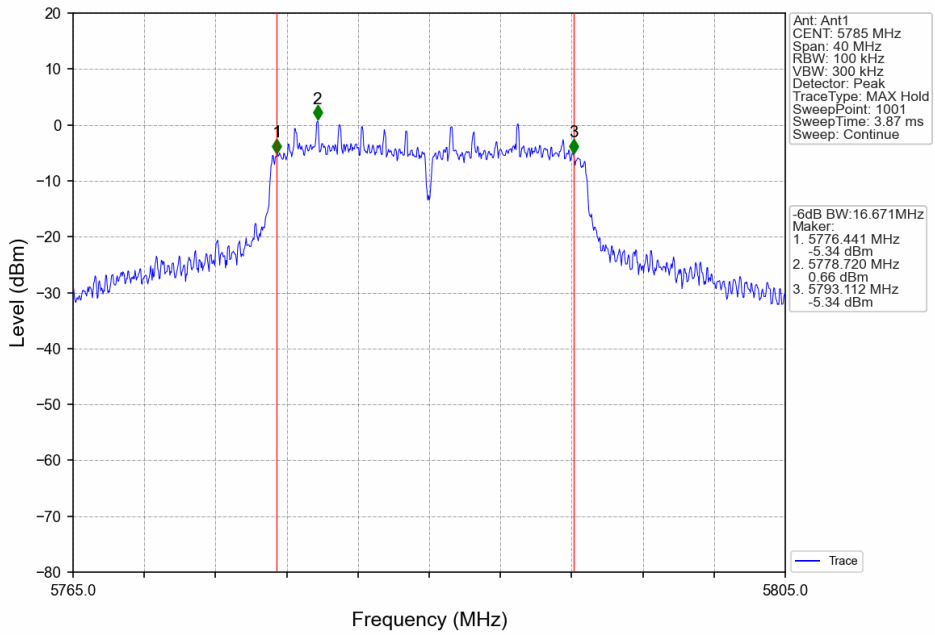
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



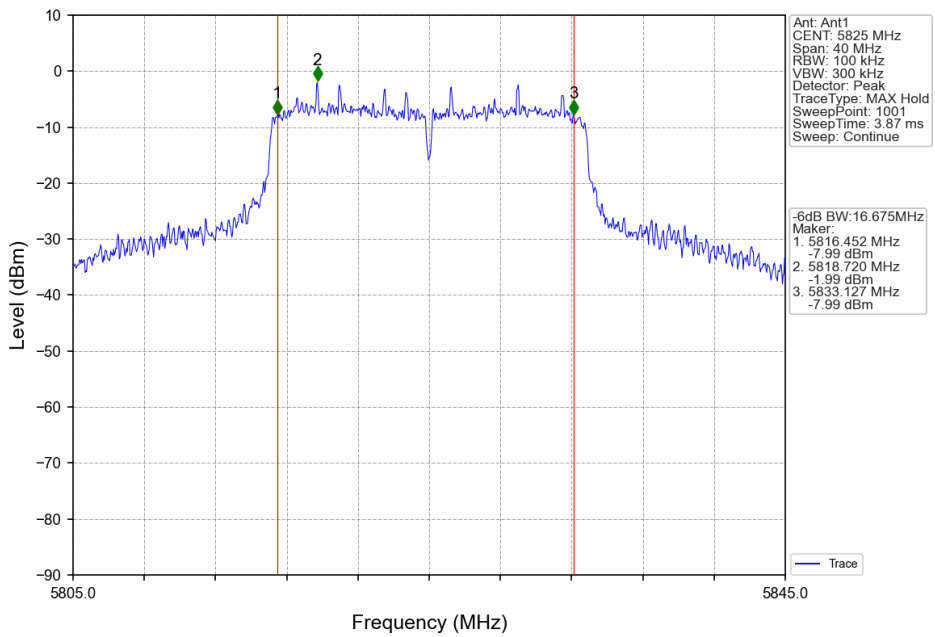
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



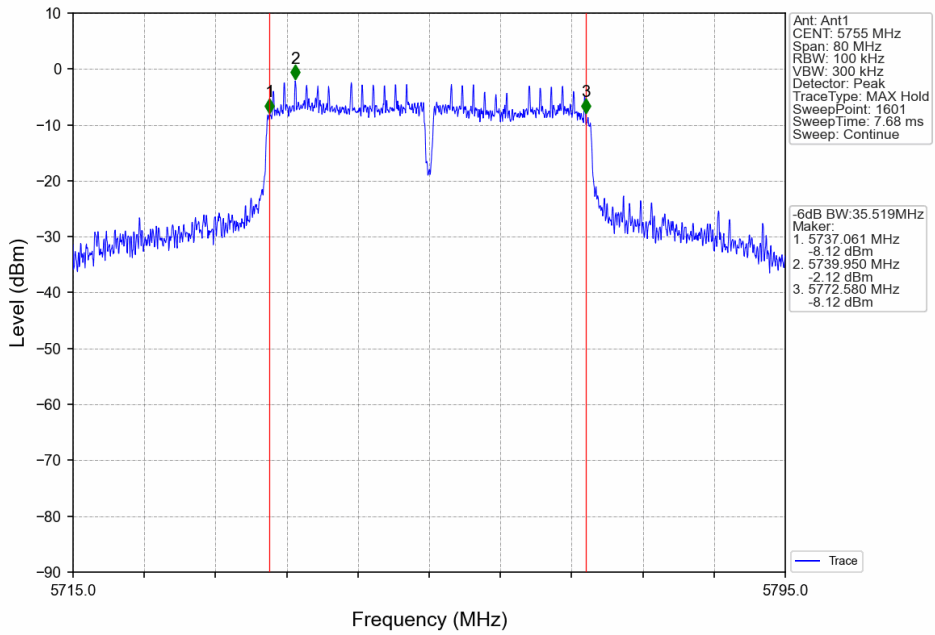
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



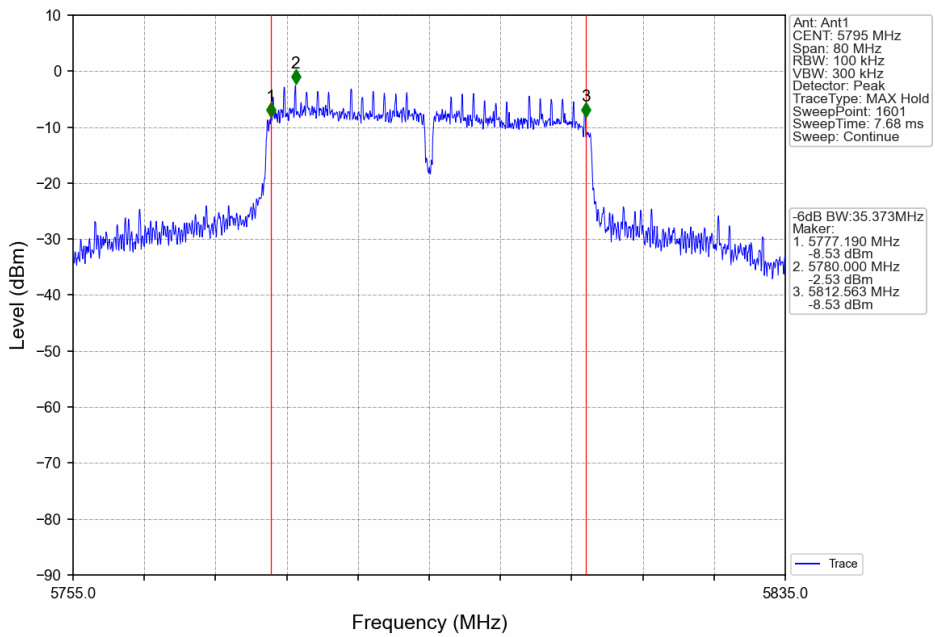
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



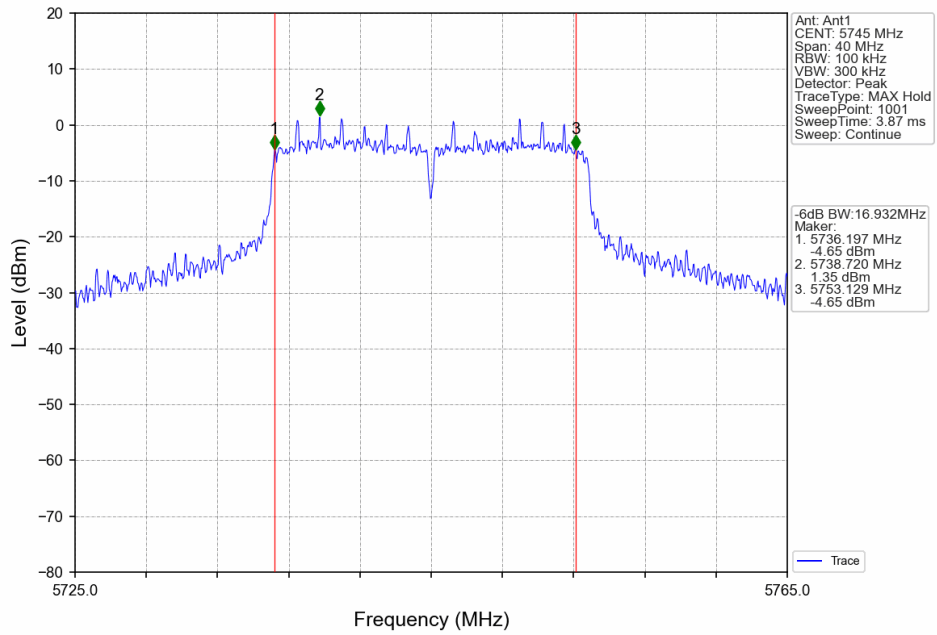
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



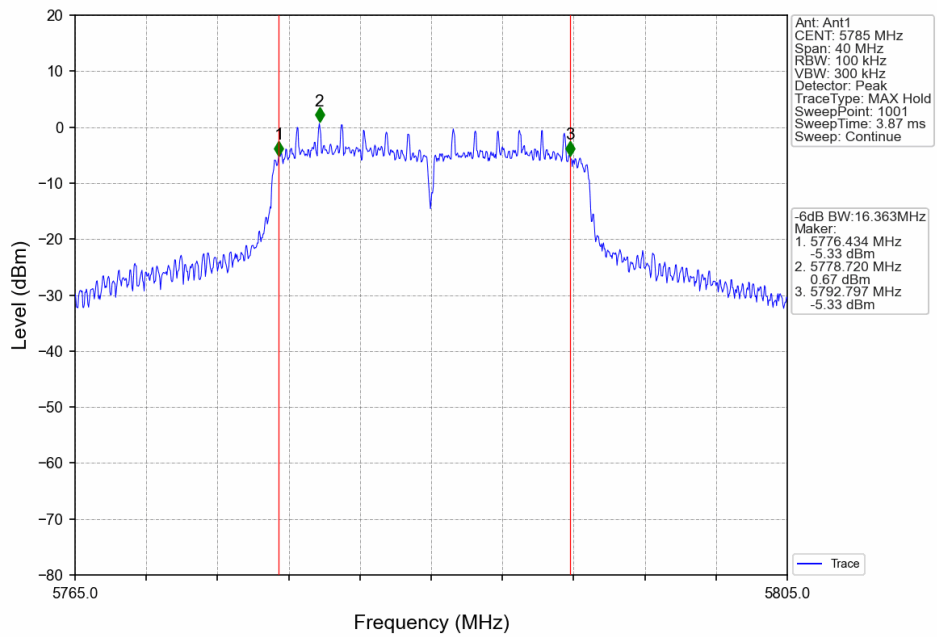
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



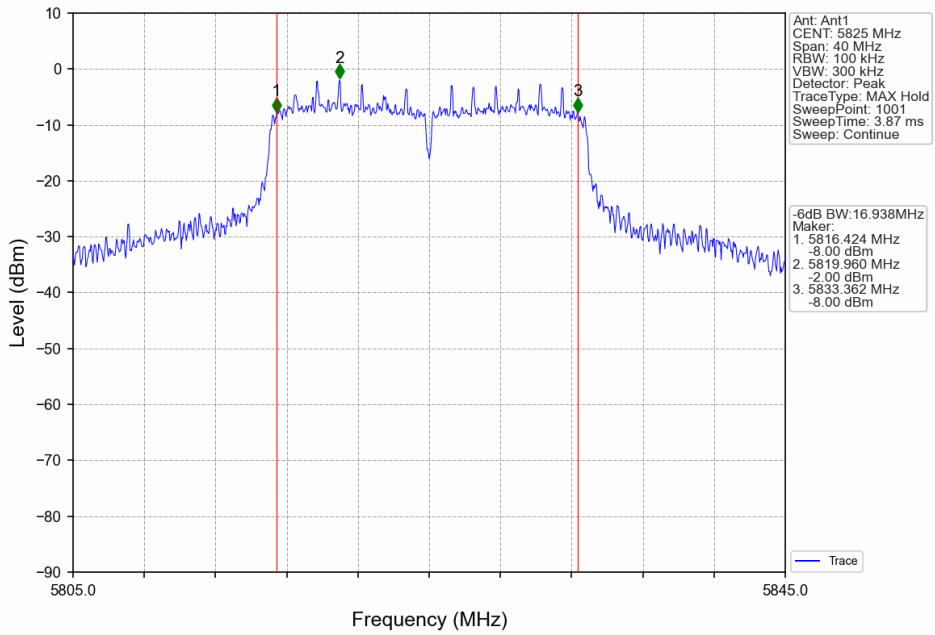
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



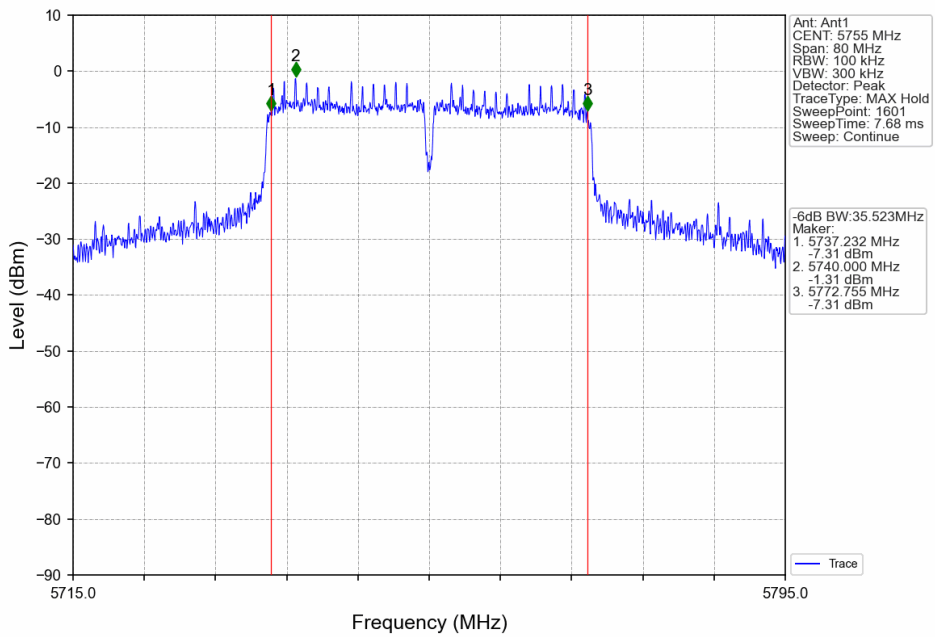
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



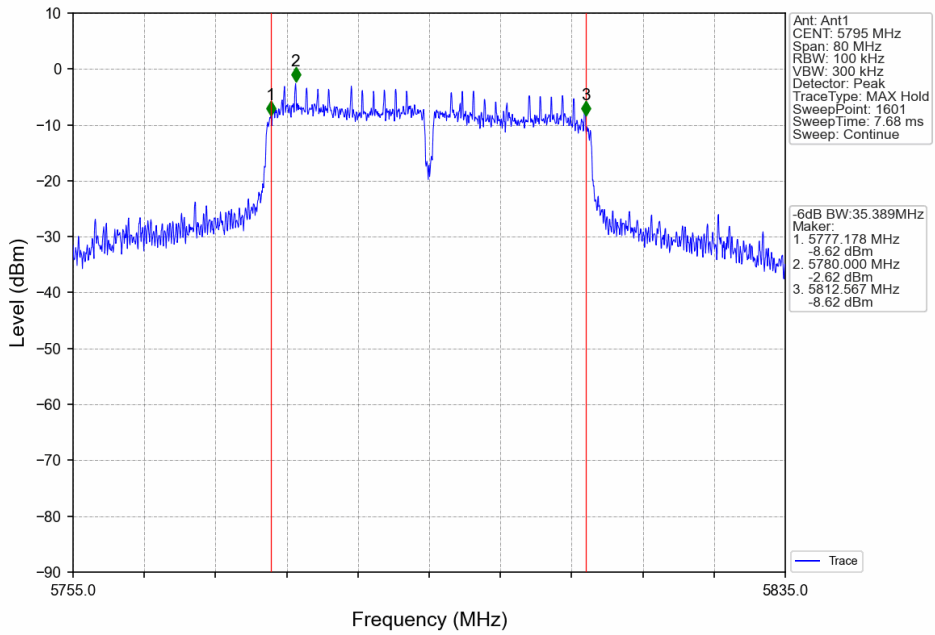
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



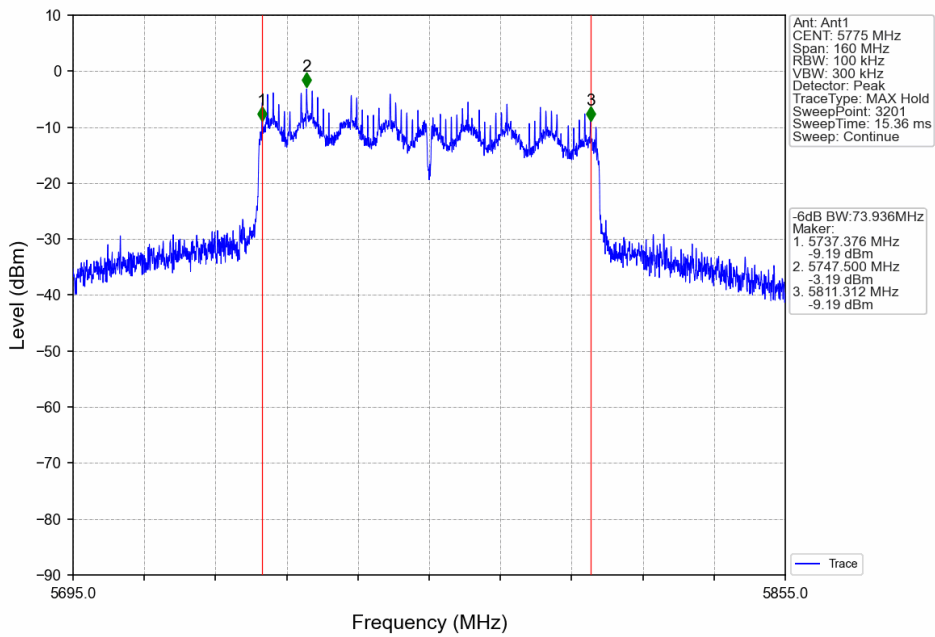
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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





## 2. Maximum Conducted Output Power

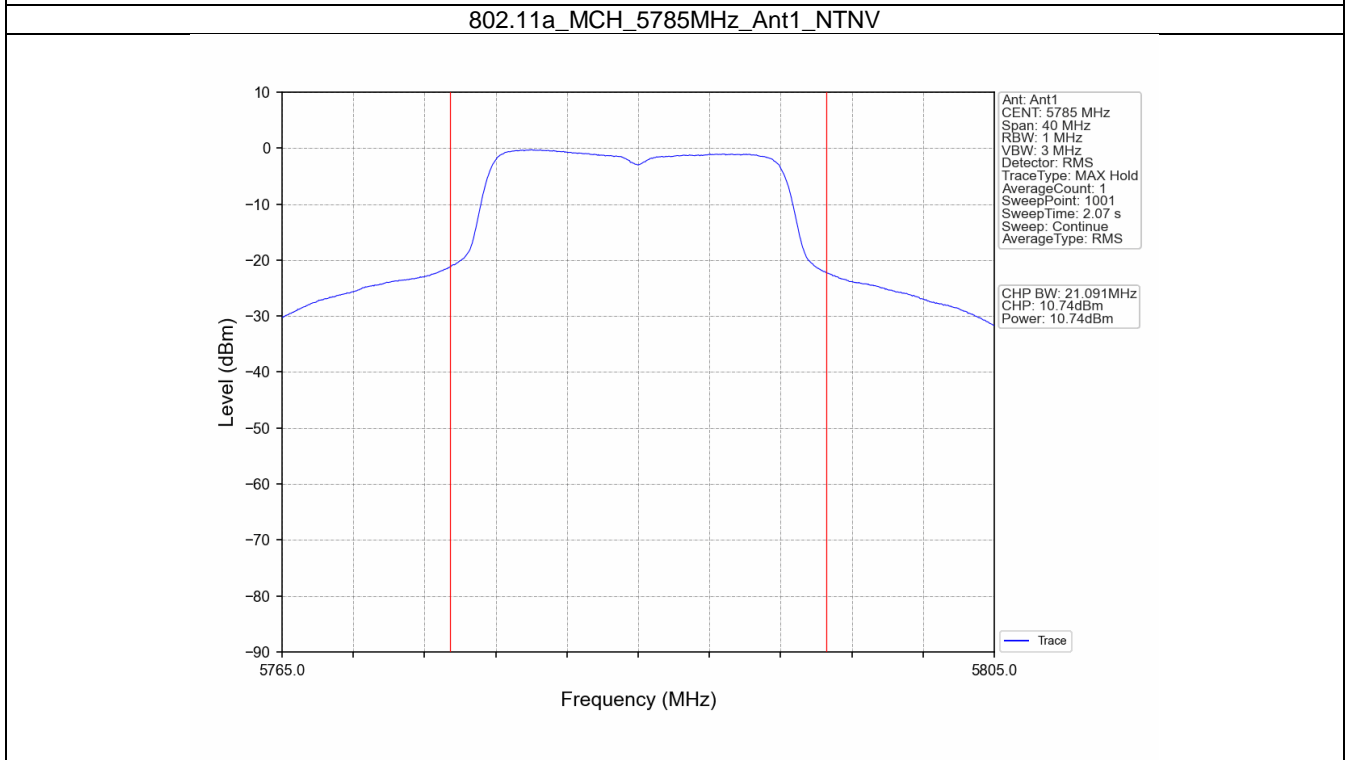
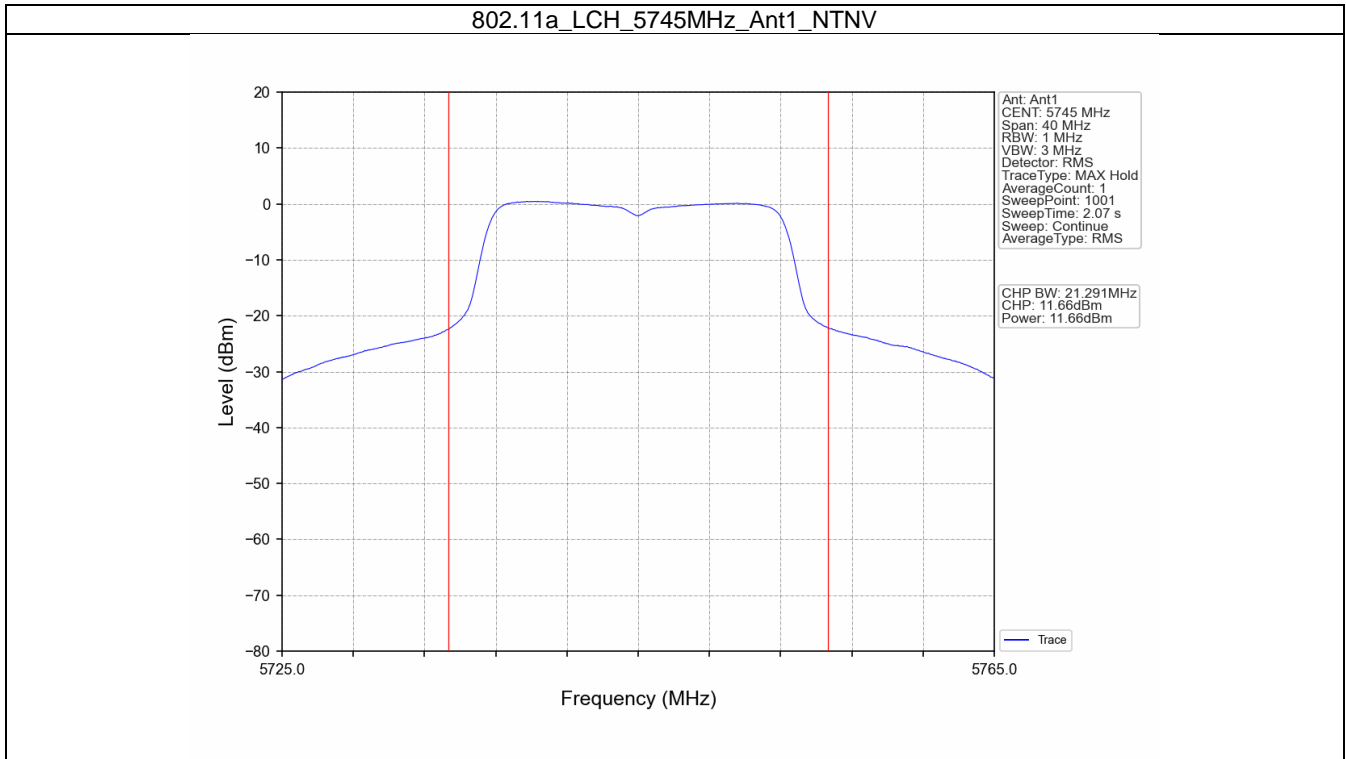
### 2.1 Power

#### 2.1.1 Test Result

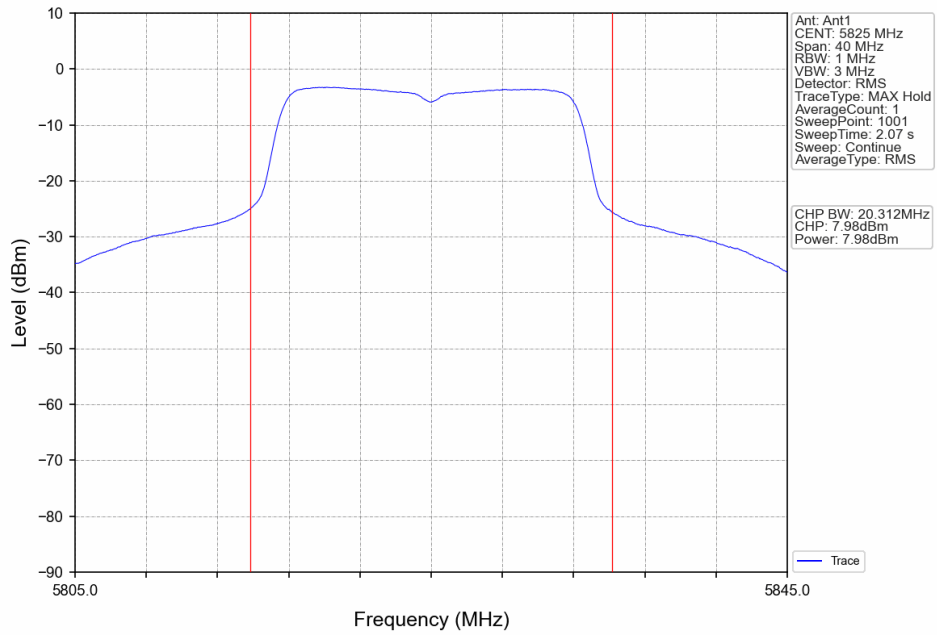
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	11.66	<=30	Pass
		5785	10.74	<=30	Pass
		5825	7.98	<=30	Pass
802.11n (HT20)	SISO	5745	11.49	<=30	Pass
		5785	10.41	<=30	Pass
		5825	8.43	<=30	Pass
802.11n (HT40)	SISO	5755	11.49	<=30	Pass
		5795	10.04	<=30	Pass
802.11ac (VHT20)	SISO	5745	11.52	<=30	Pass
		5785	10.61	<=30	Pass
		5825	8.13	<=30	Pass
802.11ac (VHT40)	SISO	5755	11.61	<=30	Pass
		5795	10.36	<=30	Pass
802.11ac (VHT80)	SISO	5775	11.05	<=30	Pass

Note1: Antenna Gain: Ant1: 0.97dBi;

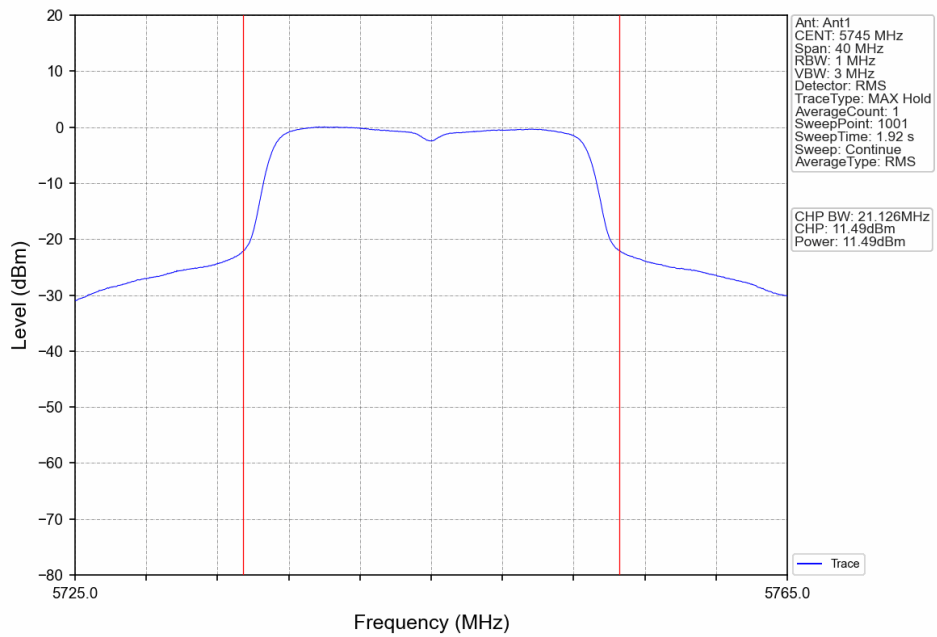
2.1.2 Test Graph



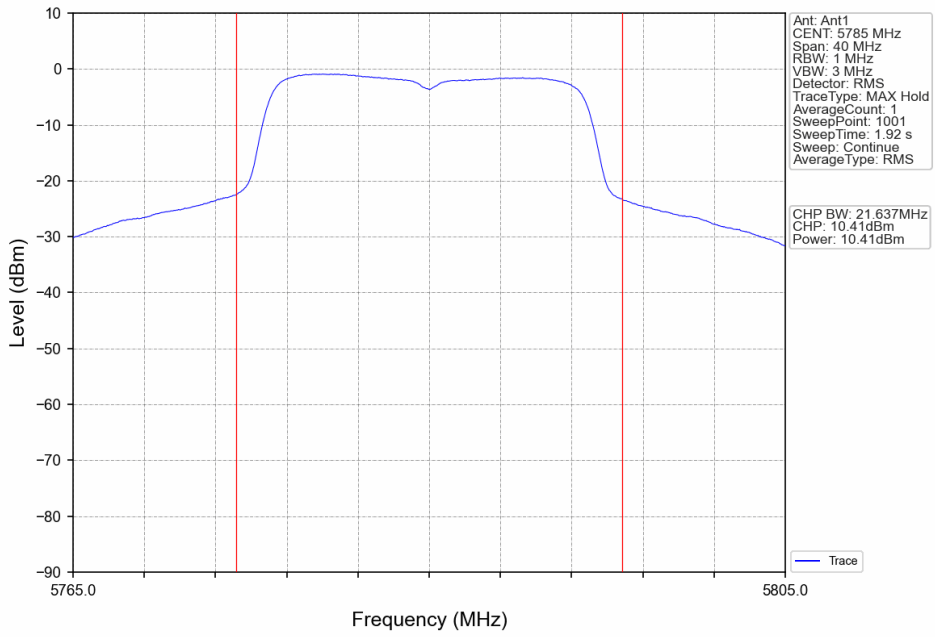
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



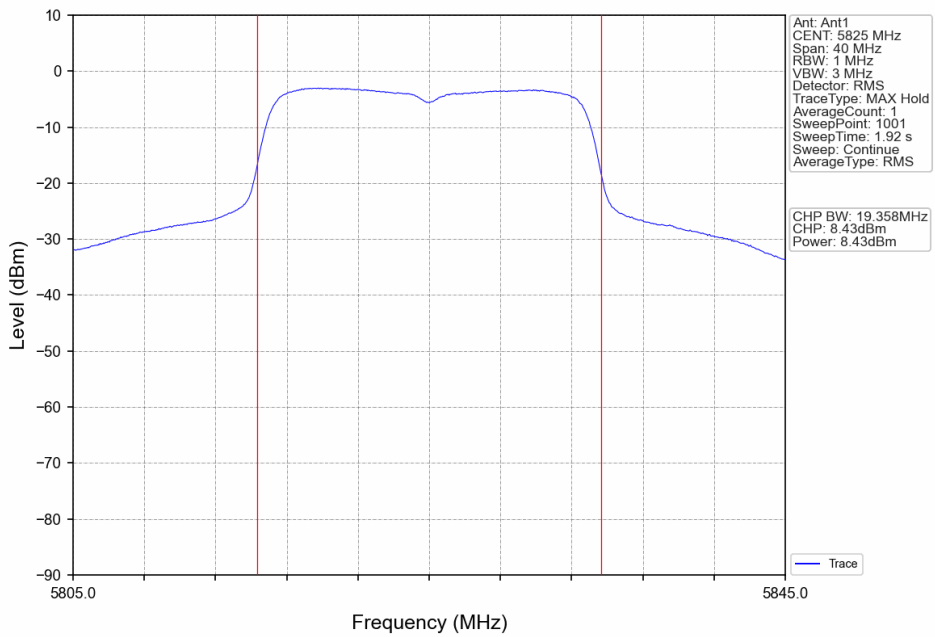
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



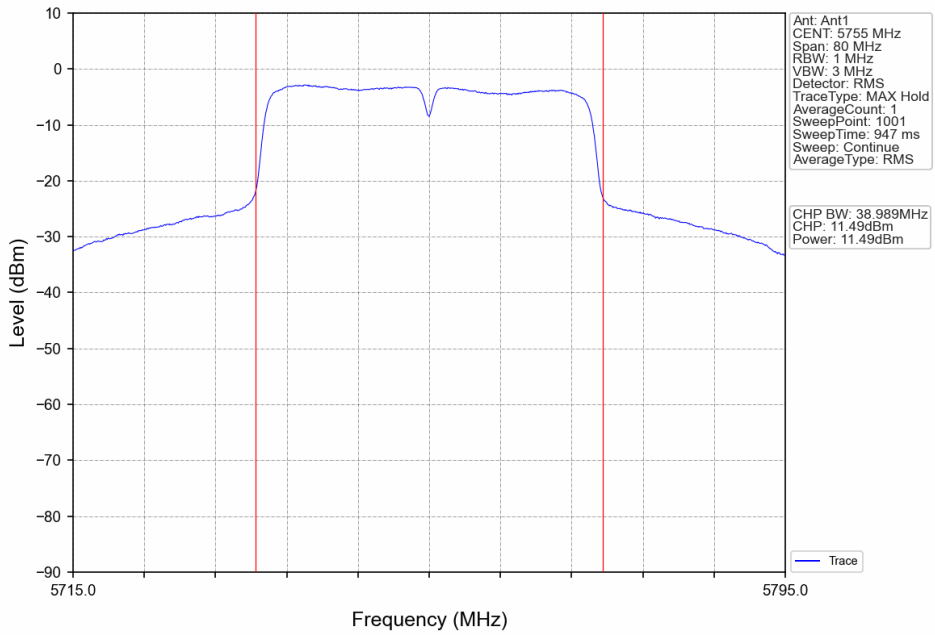
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



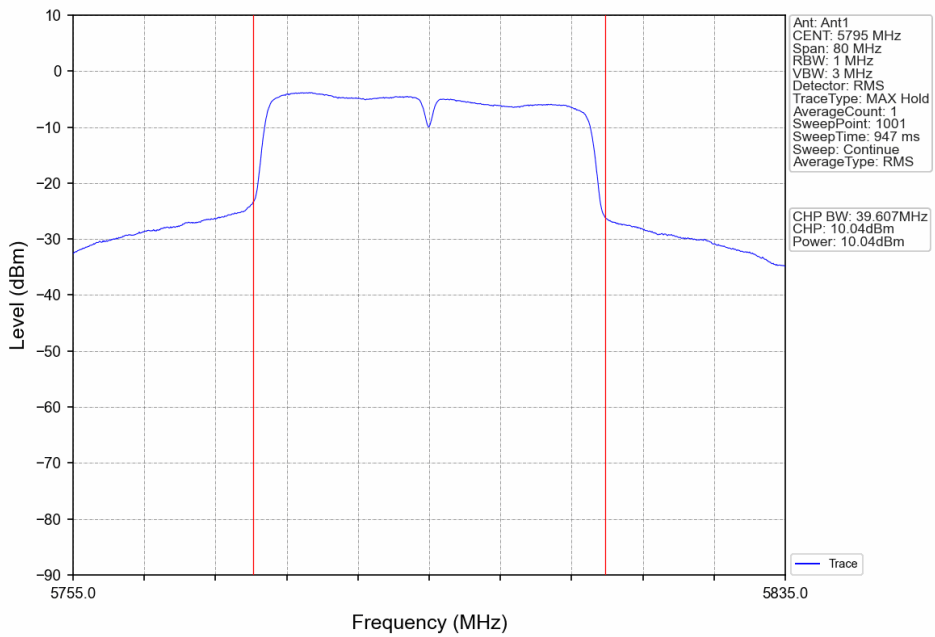
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



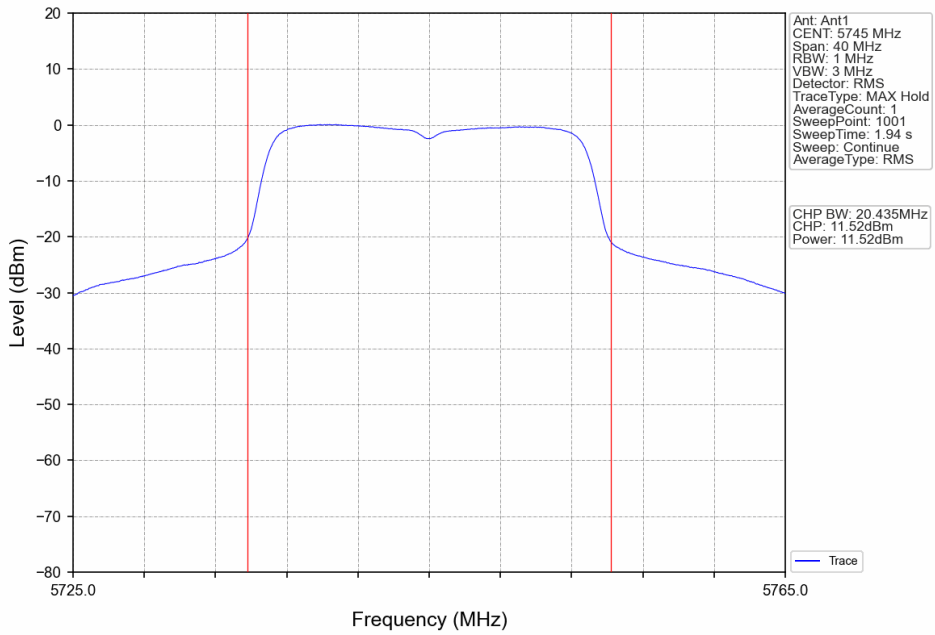
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



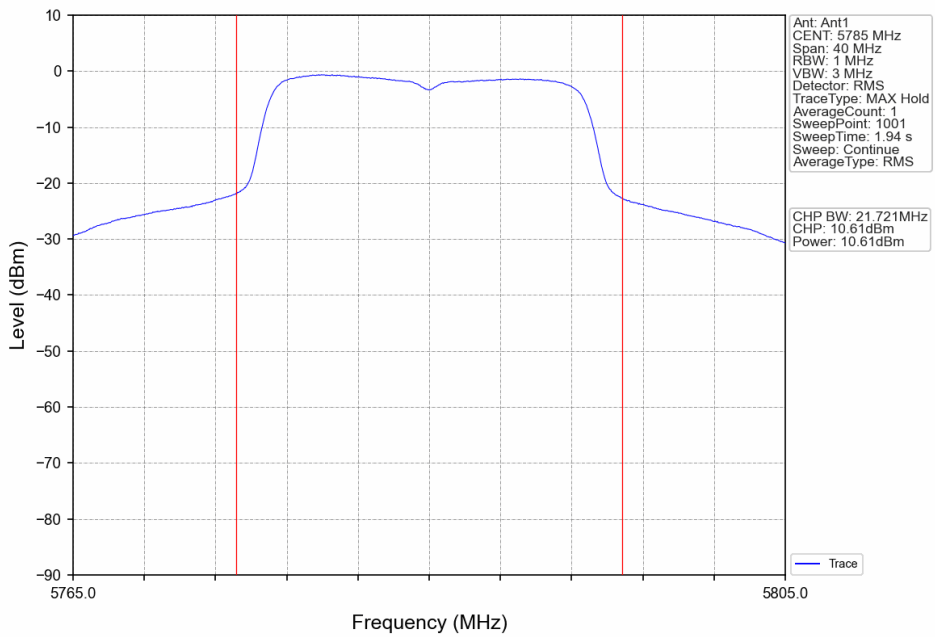
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



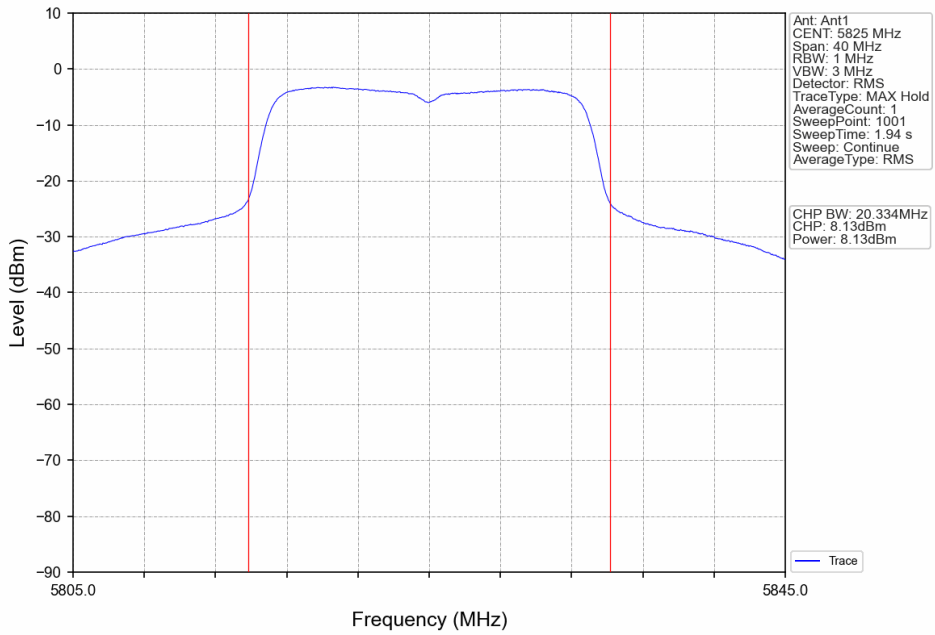
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



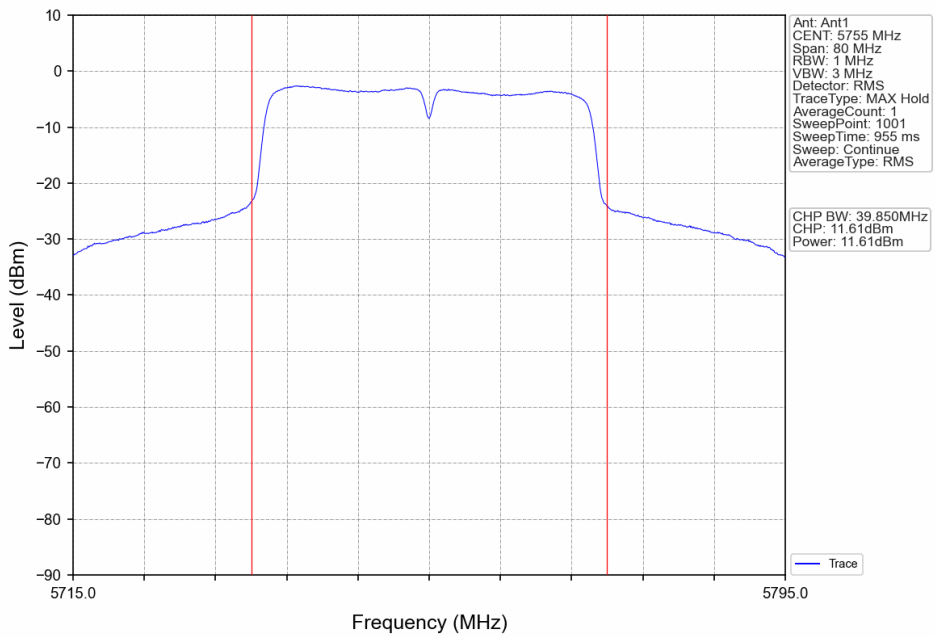
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



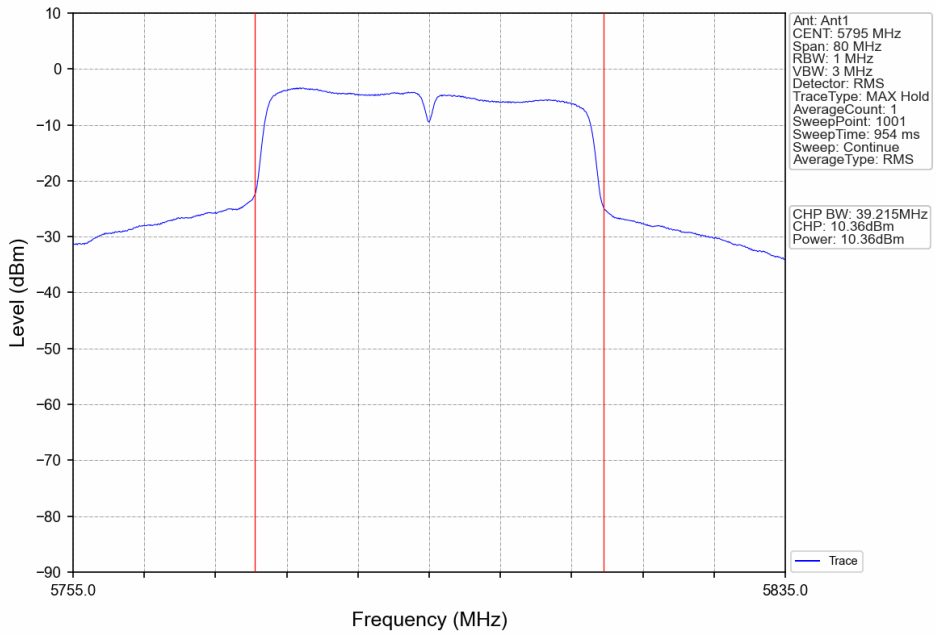
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



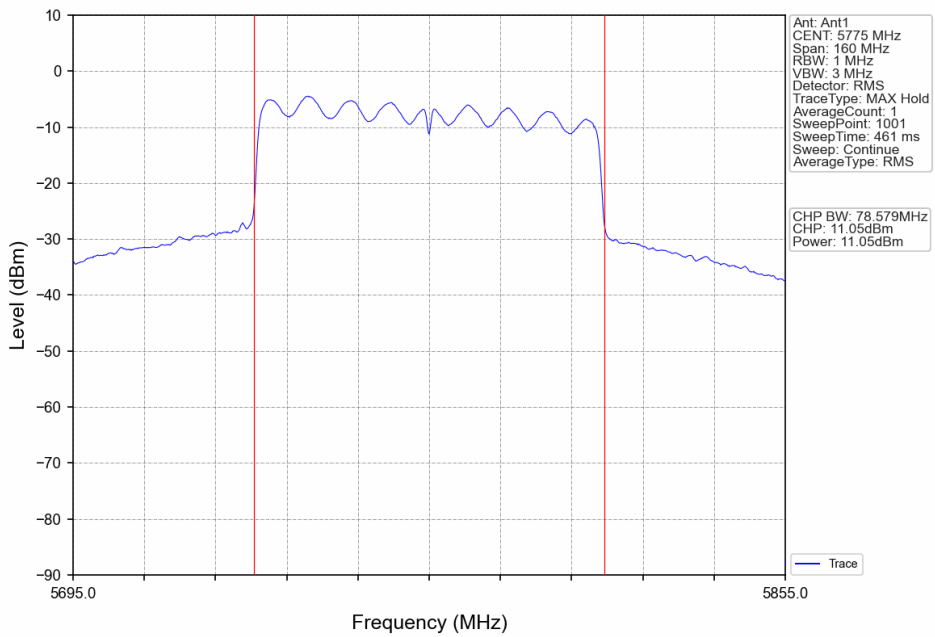
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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





### 3. Maximum Power Spectral Density

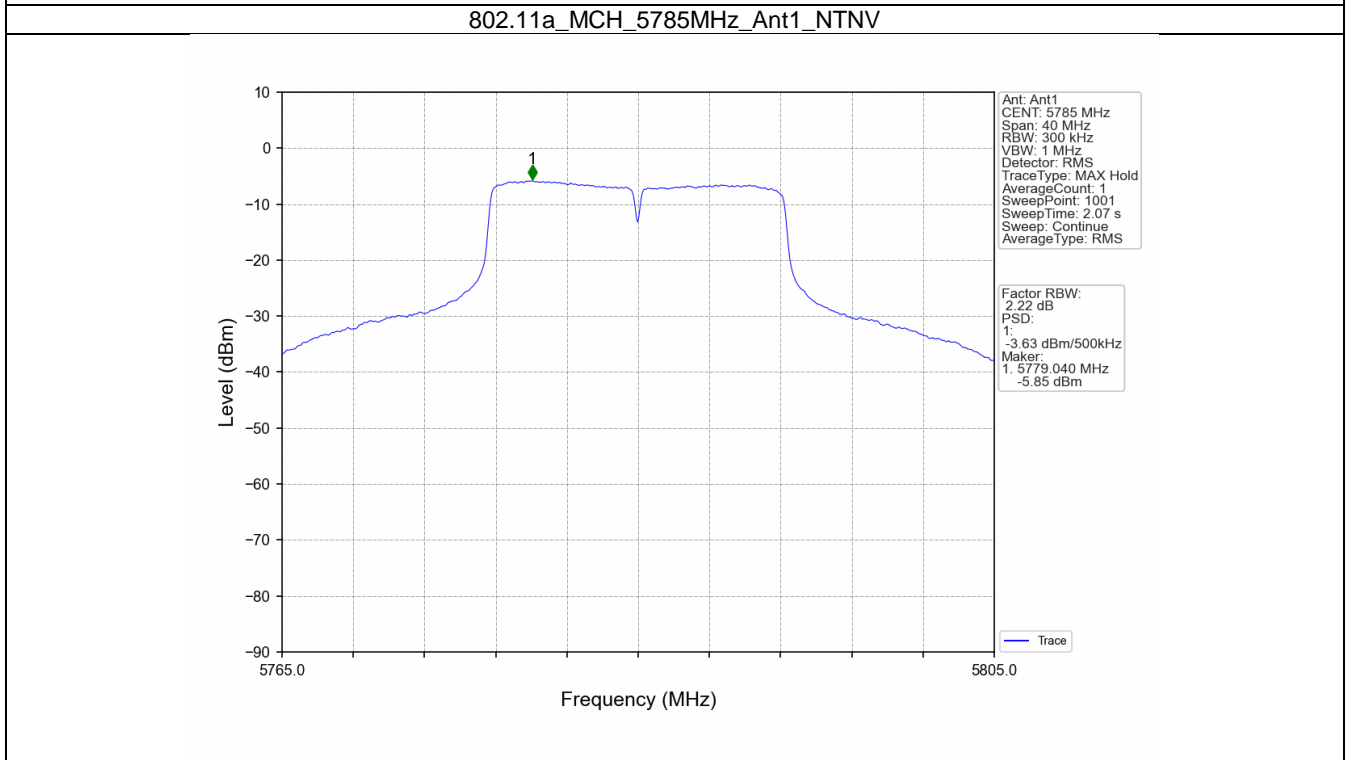
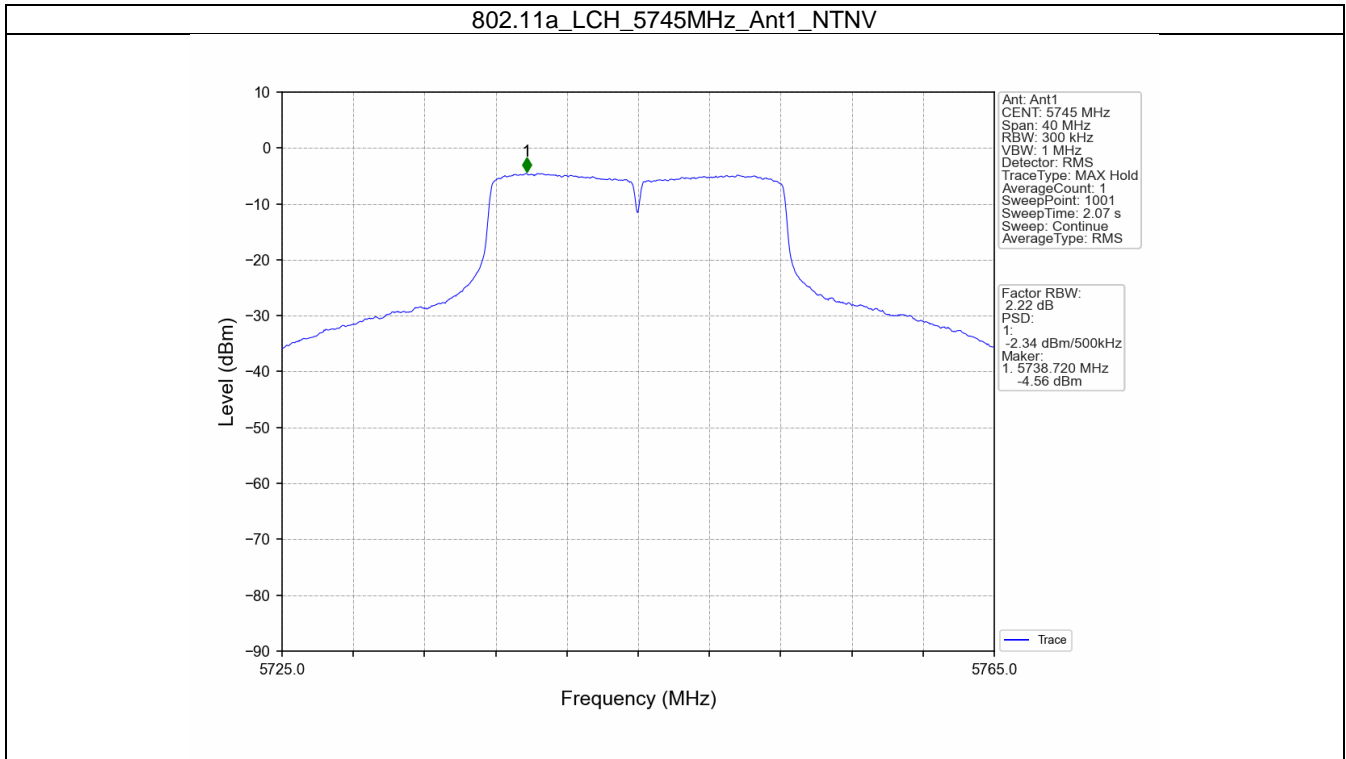
#### 3.1 PSD-Band3

##### 3.1.1 Test Result

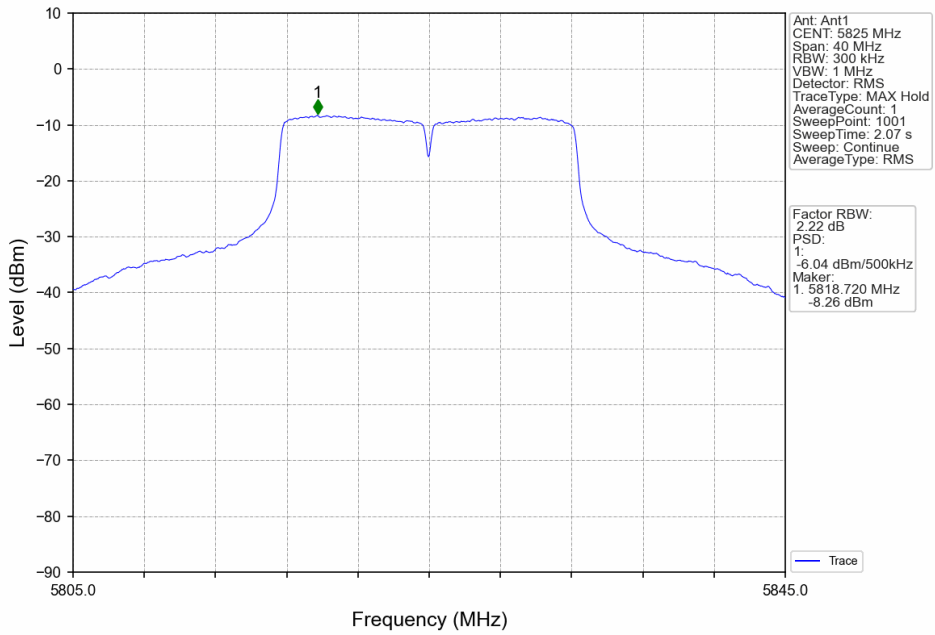
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-2.34	<=30	Pass
		5785	-3.63	<=30	Pass
		5825	-6.04	<=30	Pass
802.11n (HT20)	SISO	5745	-2.54	<=30	Pass
		5785	-3.59	<=30	Pass
		5825	-6.09	<=30	Pass
802.11n (HT40)	SISO	5755	-5.85	<=30	Pass
		5795	-6.65	<=30	Pass
802.11ac (VHT20)	SISO	5745	-2.67	<=30	Pass
		5785	-3.86	<=30	Pass
		5825	-6.21	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.31	<=30	Pass
		5795	-6.63	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.01	<=30	Pass

Note1: Antenna Gain: Ant1: 0.97dBi;

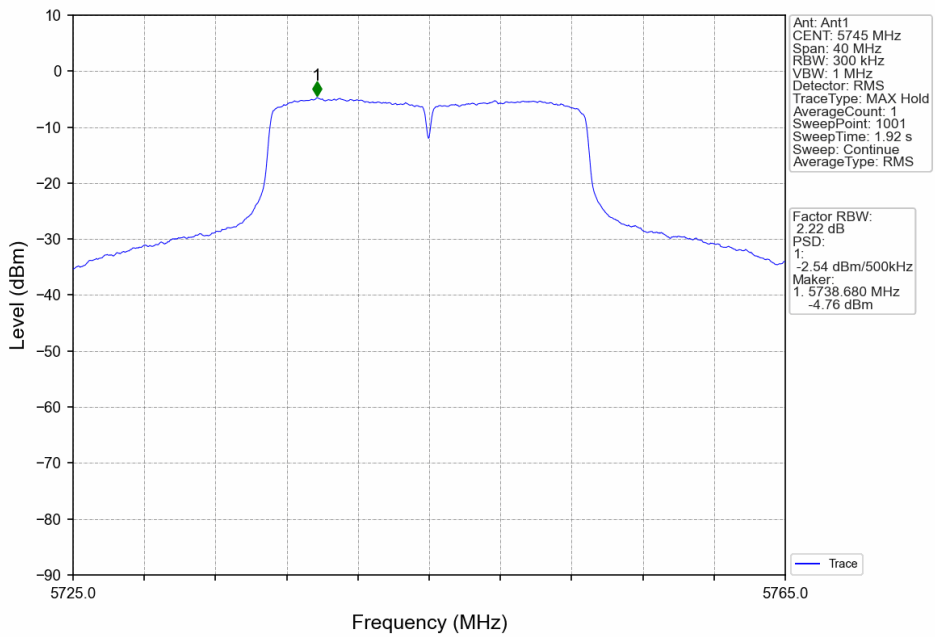
3.1.2 Test Graph



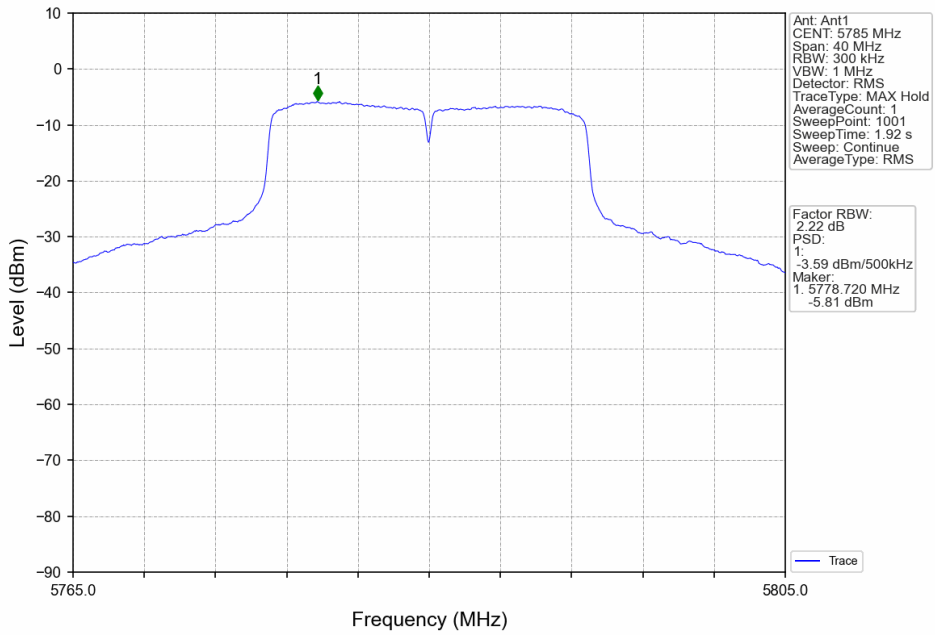
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



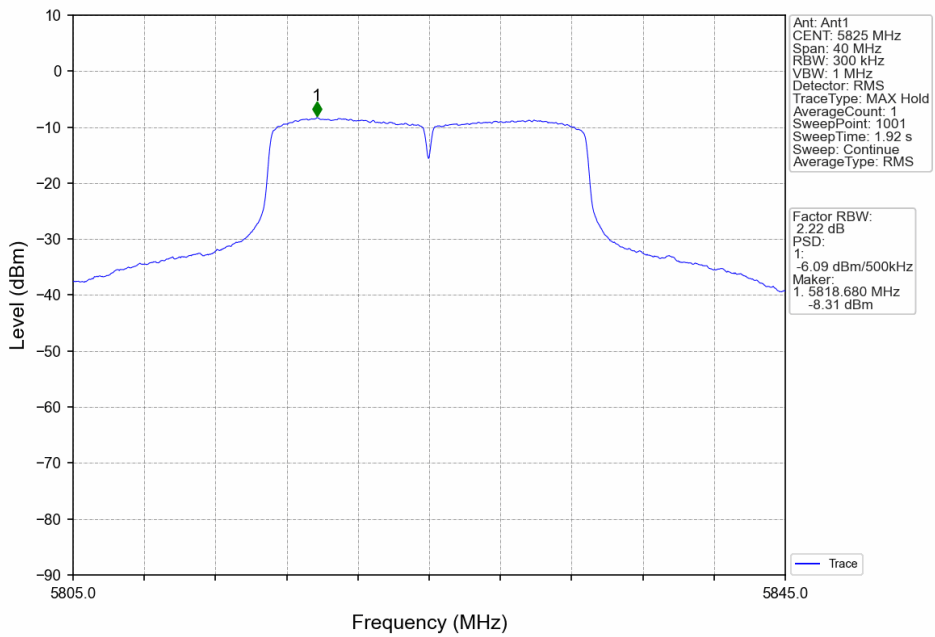
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



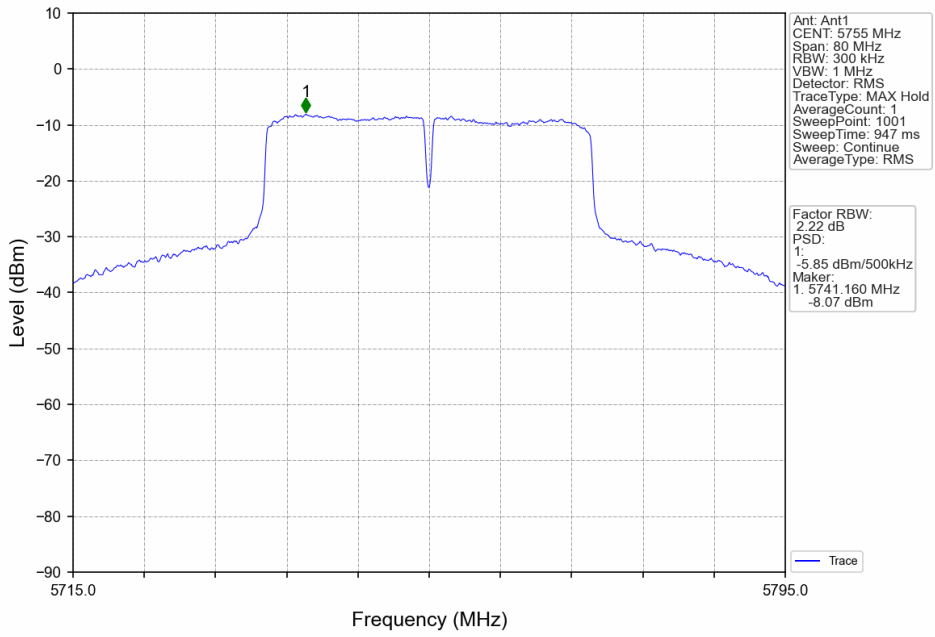
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



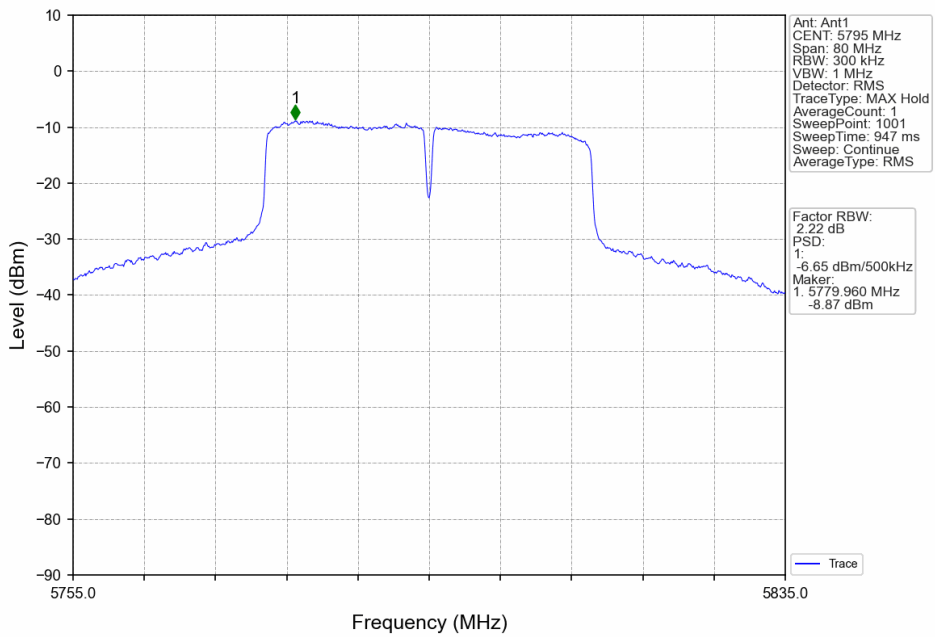
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



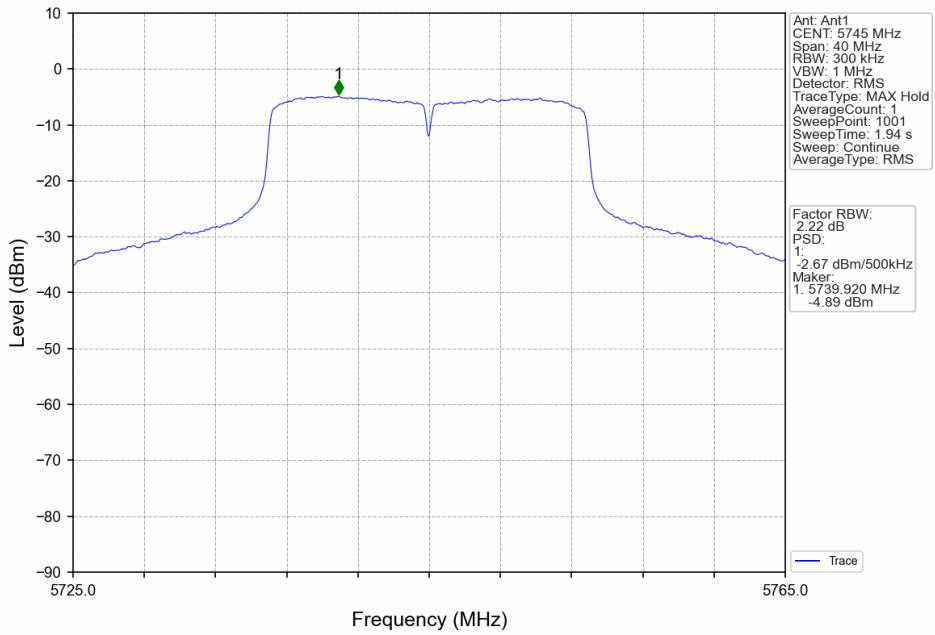
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



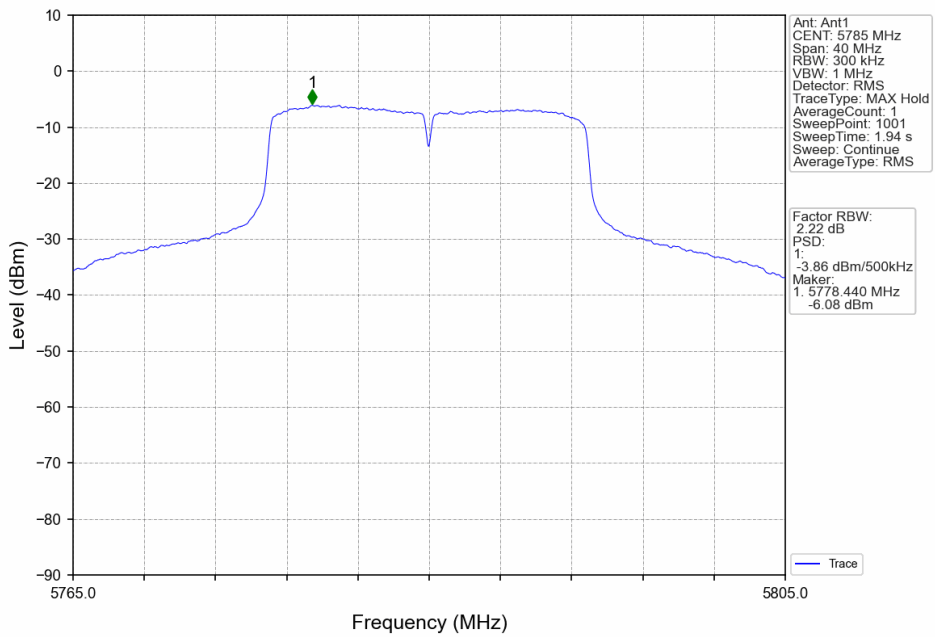
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



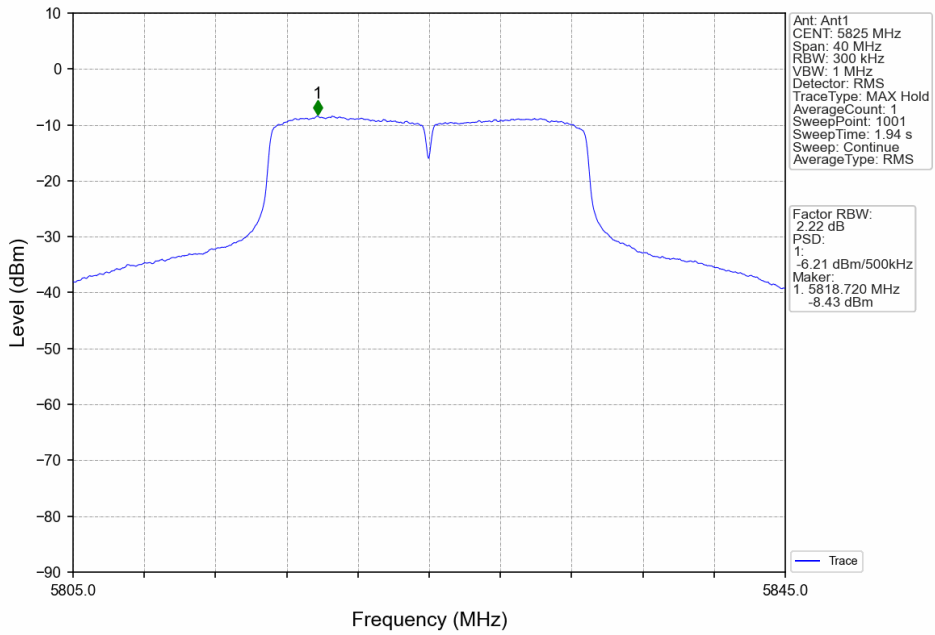
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



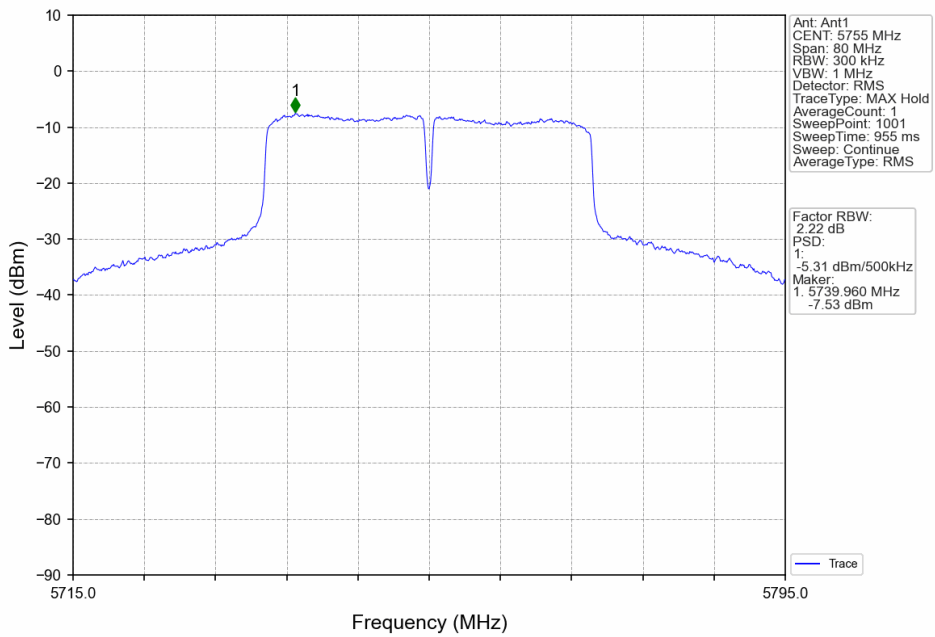
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



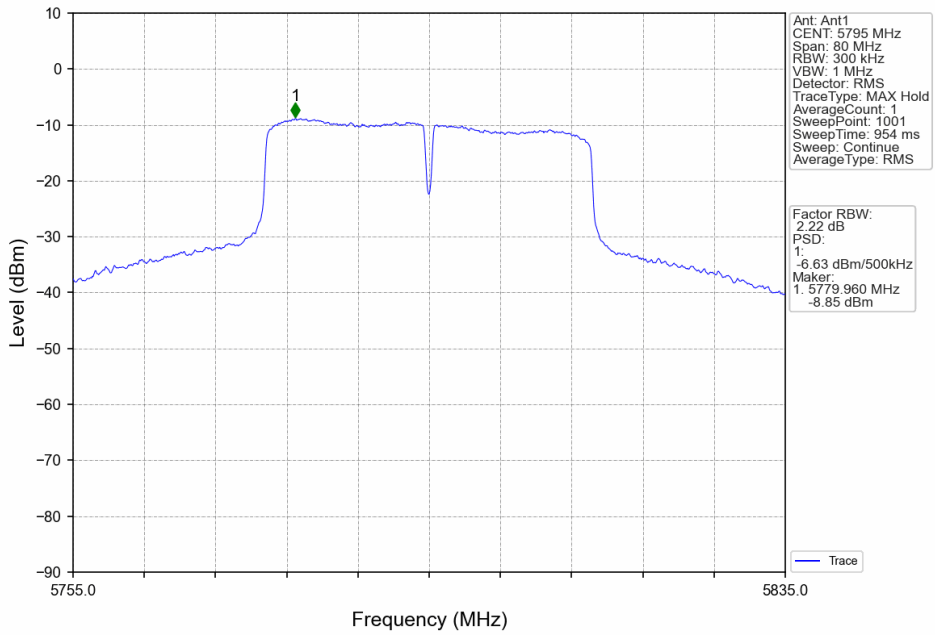
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



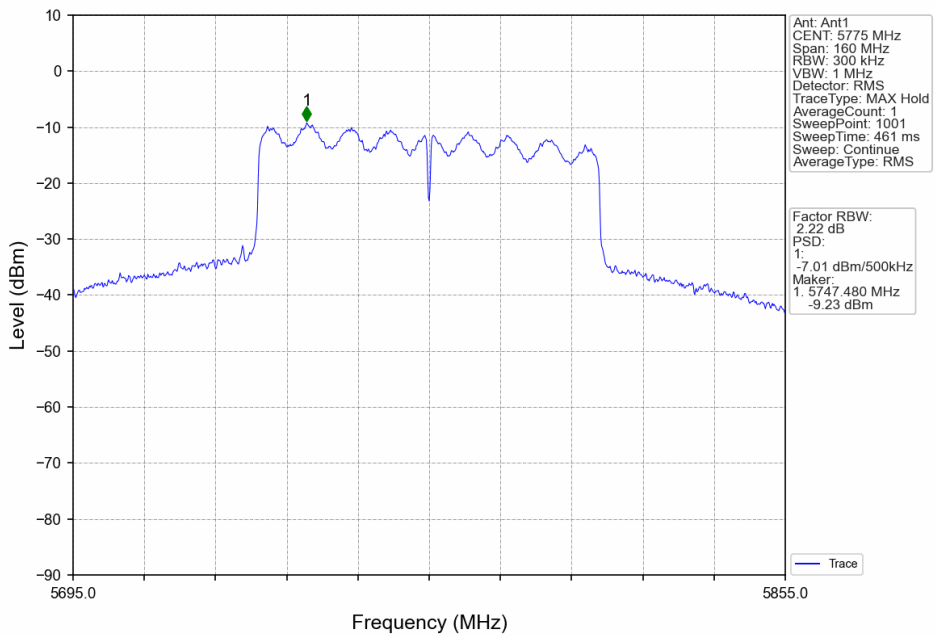
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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





### 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	5744.973	5725 to 5850	Pass
				120	5744.973	5725 to 5850	Pass
				138	5744.973	5725 to 5850	Pass
			-30	120	5744.972	5725 to 5850	Pass
			-20	120	5744.973	5725 to 5850	Pass
			-10	120	5744.972	5725 to 5850	Pass
			0	120	5744.973	5725 to 5850	Pass
			10	120	5744.973	5725 to 5850	Pass
			30	120	5744.973	5725 to 5850	Pass
		40	120	5744.973	5725 to 5850	Pass	
		50	120	5744.973	5725 to 5850	Pass	
		5785	20	102	5784.973	5725 to 5850	Pass
				120	5784.971	5725 to 5850	Pass
				138	5784.971	5725 to 5850	Pass
			-30	120	5784.971	5725 to 5850	Pass
			-20	120	5784.971	5725 to 5850	Pass
			-10	120	5784.970	5725 to 5850	Pass
			0	120	5784.970	5725 to 5850	Pass
			10	120	5784.970	5725 to 5850	Pass
			30	120	5784.970	5725 to 5850	Pass
		40	120	5784.970	5725 to 5850	Pass	
		50	120	5784.970	5725 to 5850	Pass	
		5825	20	102	5824.969	5725 to 5850	Pass
				120	5824.969	5725 to 5850	Pass
				138	5824.969	5725 to 5850	Pass
			-30	120	5824.969	5725 to 5850	Pass
			-20	120	5824.969	5725 to 5850	Pass
			-10	120	5824.968	5725 to 5850	Pass
			0	120	5824.968	5725 to 5850	Pass
			10	120	5824.968	5725 to 5850	Pass
			30	120	5824.968	5725 to 5850	Pass
		40	120	5824.968	5725 to 5850	Pass	
		50	120	5824.968	5725 to 5850	Pass	
		5755	20	102	5754.970	5725 to 5850	Pass
				120	5754.970	5725 to 5850	Pass
				138	5754.970	5725 to 5850	Pass
			-30	120	5754.970	5725 to 5850	Pass
			-20	120	5754.970	5725 to 5850	Pass
			-10	120	5754.971	5725 to 5850	Pass
			0	120	5754.971	5725 to 5850	Pass
			10	120	5754.971	5725 to 5850	Pass
			30	120	5754.971	5725 to 5850	Pass
		40	120	5754.971	5725 to 5850	Pass	
		50	120	5754.971	5725 to 5850	Pass	
		5795	20	102	5794.970	5725 to 5850	Pass
				120	5794.970	5725 to 5850	Pass
			138	5794.970	5725 to 5850	Pass	
			-30	120	5794.969	5725 to 5850	Pass
-20	120	5794.969	5725 to 5850	Pass			

			-10	120	5794.969	5725 to 5850	Pass
			0	120	5794.969	5725 to 5850	Pass
			10	120	5794.969	5725 to 5850	Pass
			30	120	5794.969	5725 to 5850	Pass
			40	120	5794.969	5725 to 5850	Pass
		50	120	5794.969	5725 to 5850	Pass	
		5775	20	102	5774.971	5725 to 5850	Pass
				120	5774.970	5725 to 5850	Pass
				138	5774.970	5725 to 5850	Pass
			-30	120	5774.970	5725 to 5850	Pass
			-20	120	5774.970	5725 to 5850	Pass
			-10	120	5774.970	5725 to 5850	Pass
			0	120	5774.970	5725 to 5850	Pass
			10	120	5774.970	5725 to 5850	Pass
			30	120	5774.970	5725 to 5850	Pass
			40	120	5774.970	5725 to 5850	Pass
			50	120	5774.970	5725 to 5850	Pass