

1. Bandwidth

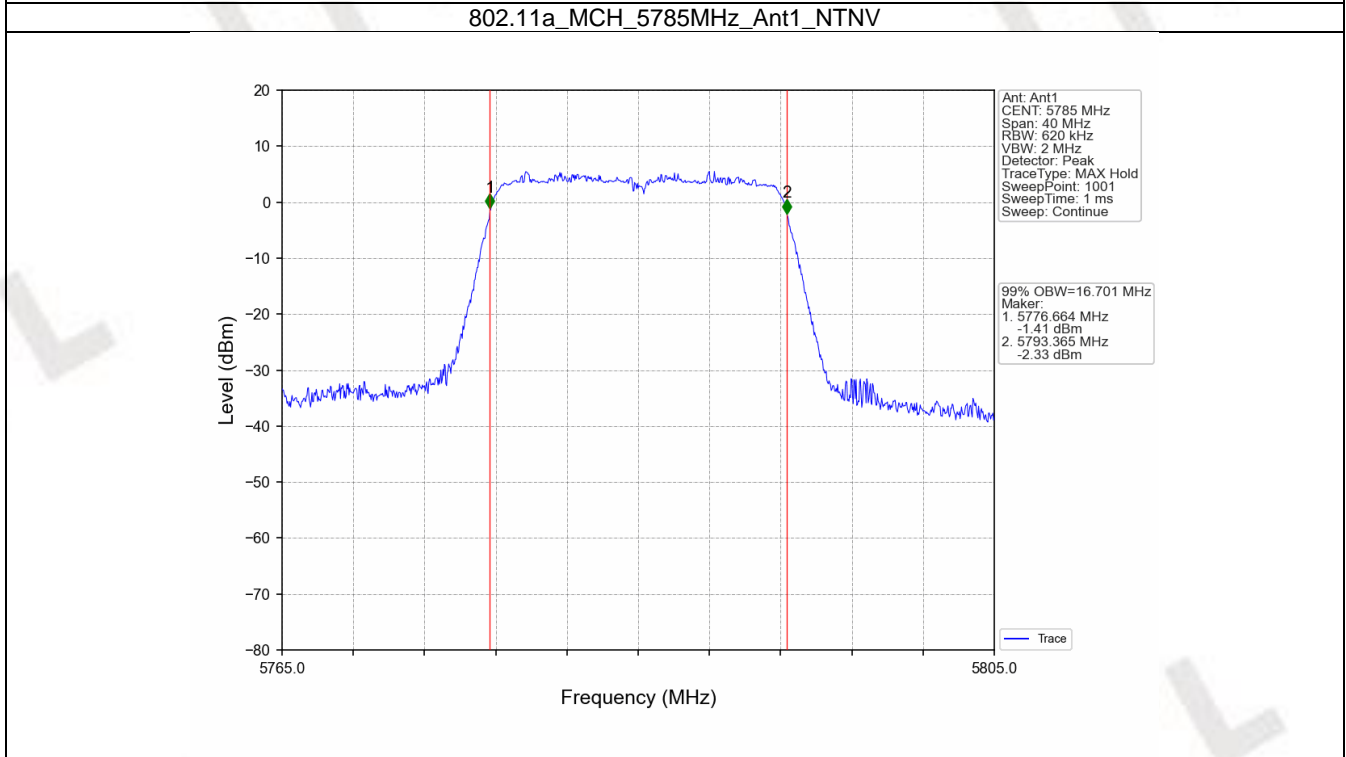
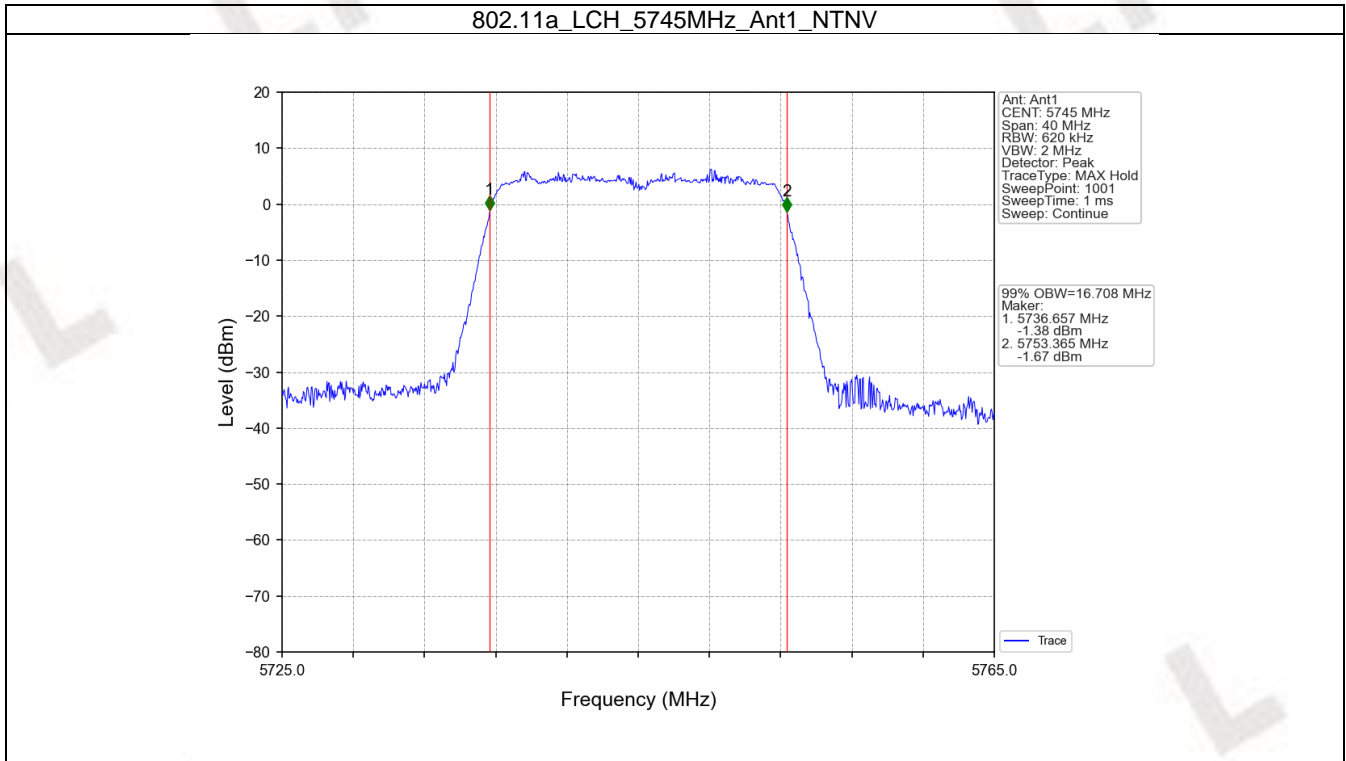
1.1 OBW

1.1.1 Test Result

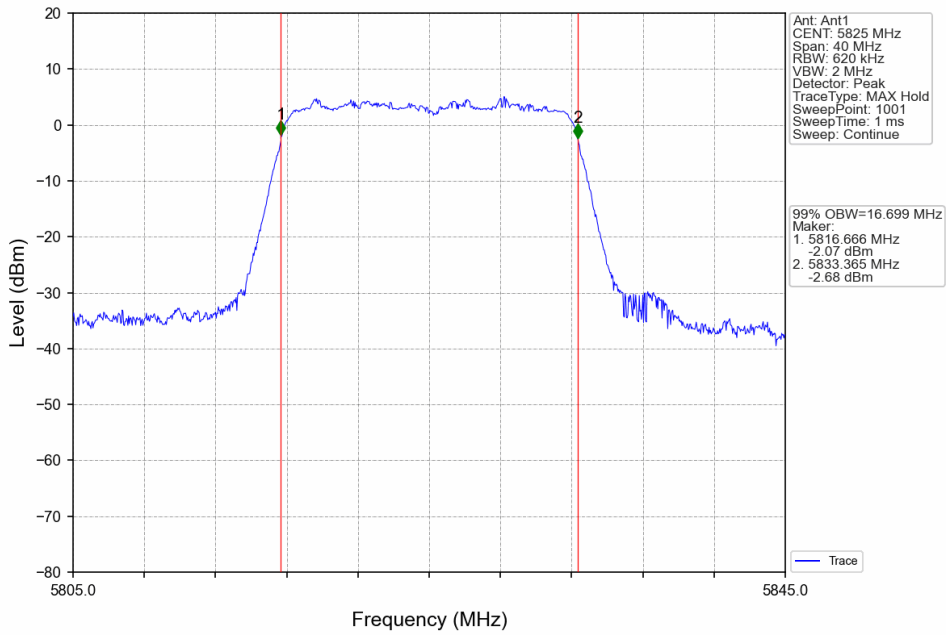
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	1	16.708	Pass
		5785	1	16.701	Pass
		5825	1	16.699	Pass
802.11n (HT20)	SISO	5745	1	17.811	Pass
		5785	1	17.810	Pass
		5825	1	17.819	Pass
802.11n (HT40)	SISO	5755	1	36.720	Pass
		5795	1	36.584	Pass
802.11ac (VHT20)	SISO	5745	1	17.782	Pass
		5785	1	17.769	Pass
		5825	1	17.772	Pass
802.11ac (VHT40)	SISO	5755	1	36.459	Pass
		5795	1	36.400	Pass
802.11ac (VHT80)	SISO	5775	1	75.675	Pass

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	2	16.693	Pass
		5785	2	16.683	Pass
		5825	2	16.698	Pass
802.11n (HT20)	SISO	5745	2	17.805	Pass
		5785	2	17.797	Pass
		5825	2	17.811	Pass
802.11n (HT40)	SISO	5755	2	36.578	Pass
		5795	2	36.566	Pass
802.11ac (VHT20)	SISO	5745	2	17.777	Pass
		5785	2	17.750	Pass
		5825	2	17.769	Pass
802.11ac (VHT40)	SISO	5755	2	36.460	Pass
		5795	2	36.419	Pass
802.11ac (VHT80)	SISO	5775	2	75.514	Pass

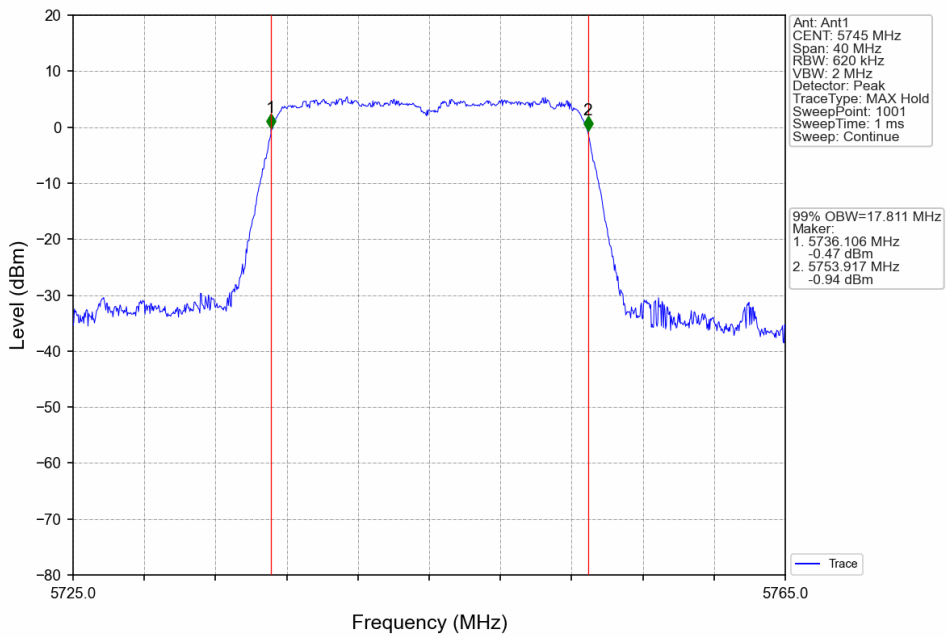
1.1.2 Test Graph



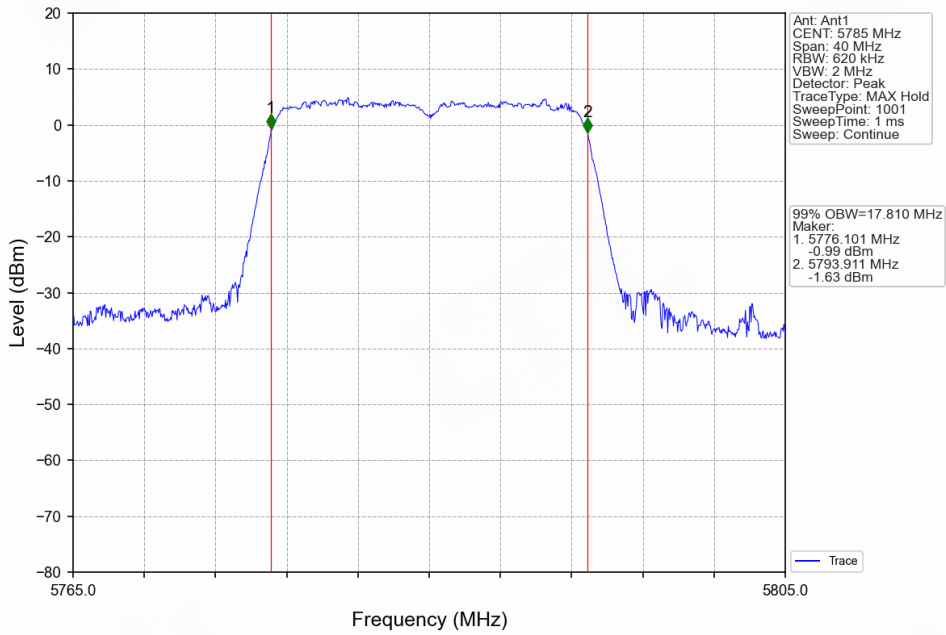
802.11a_HCH_5825MHz_Ant1_NTNV



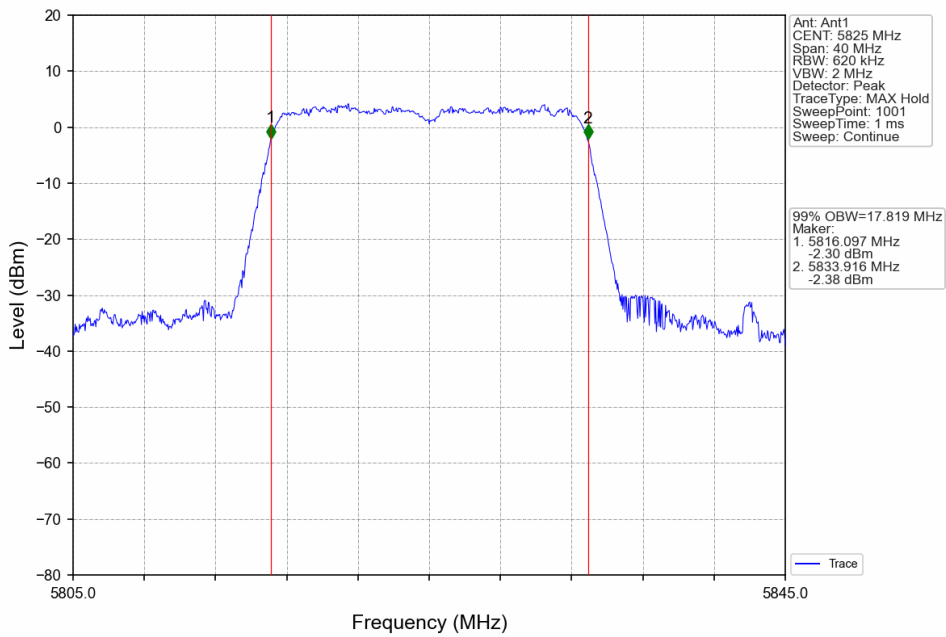
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



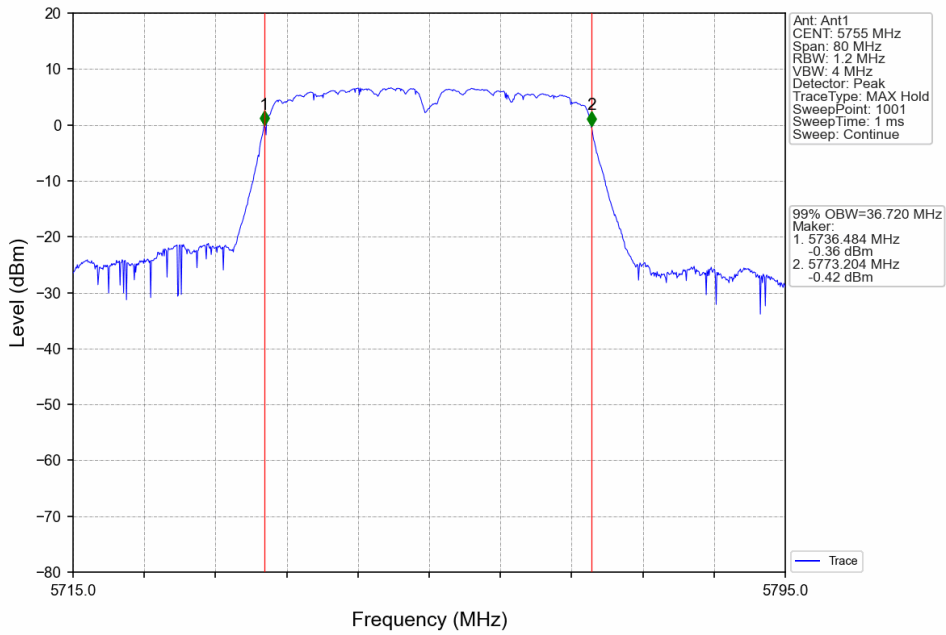
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



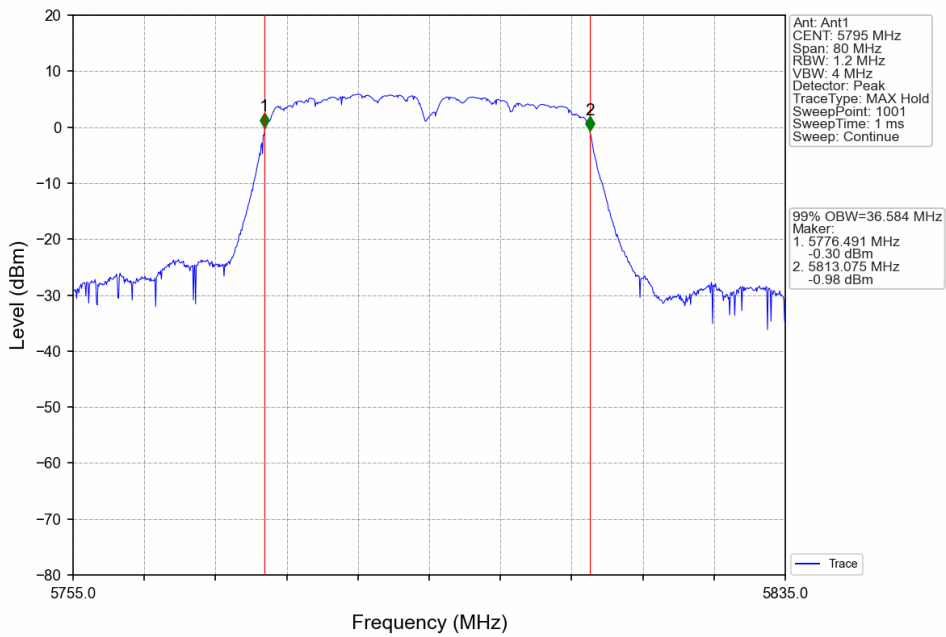
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



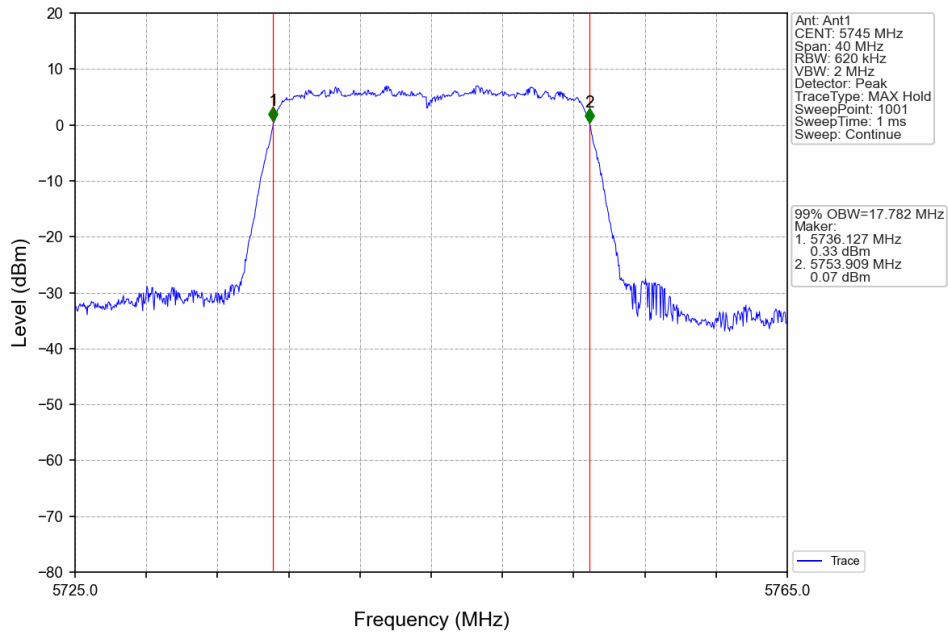
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



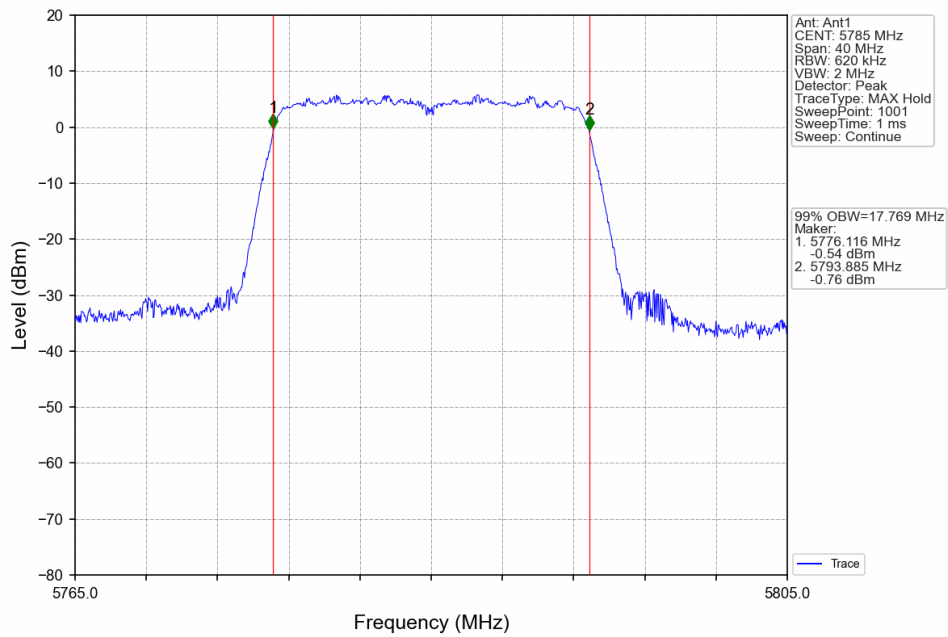
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



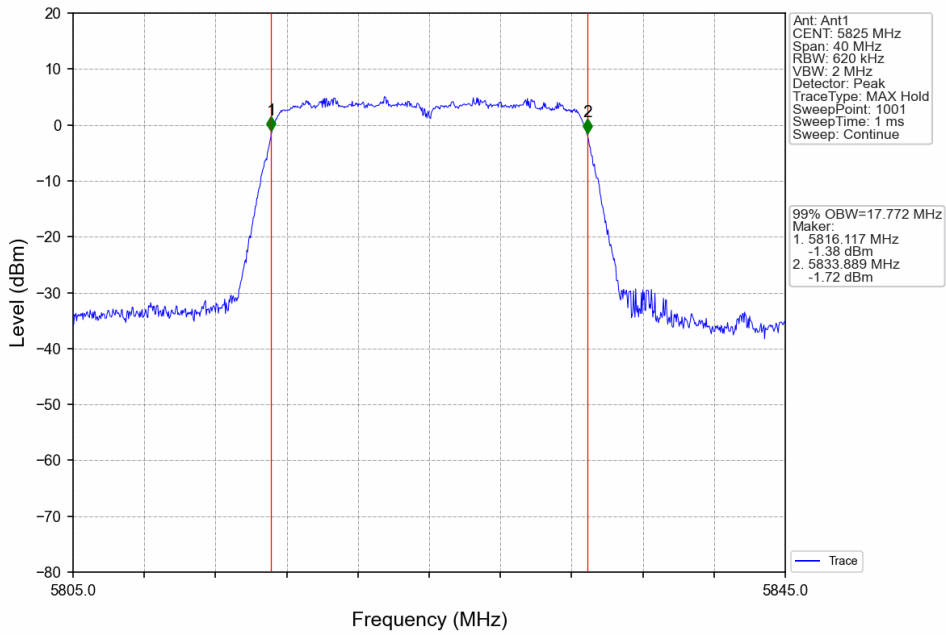
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



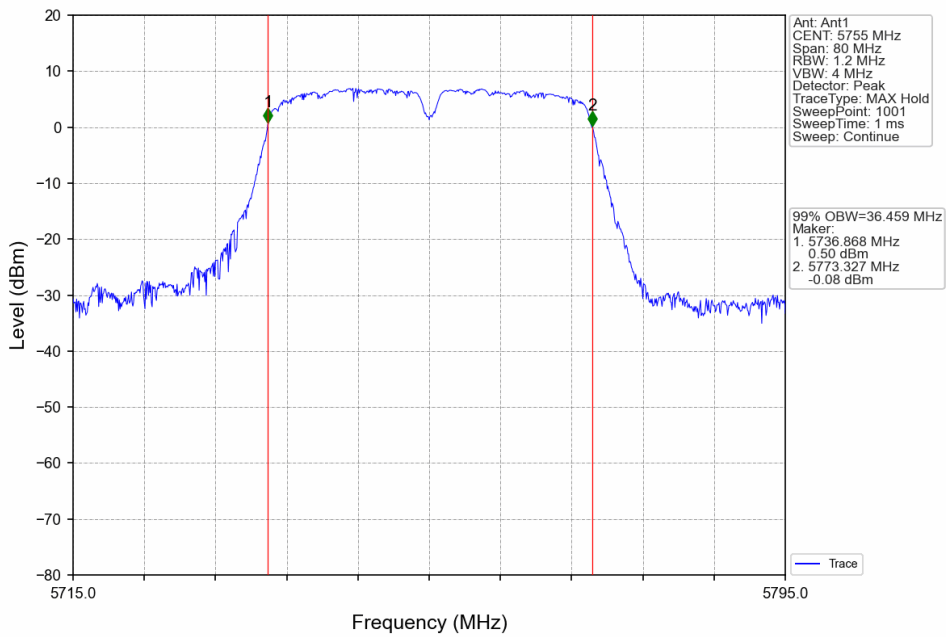
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



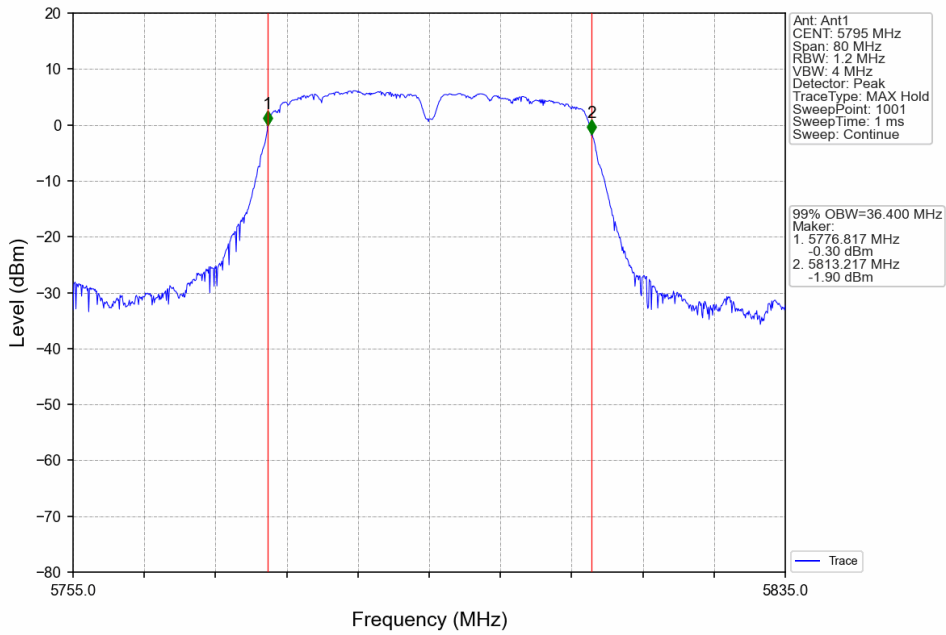
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



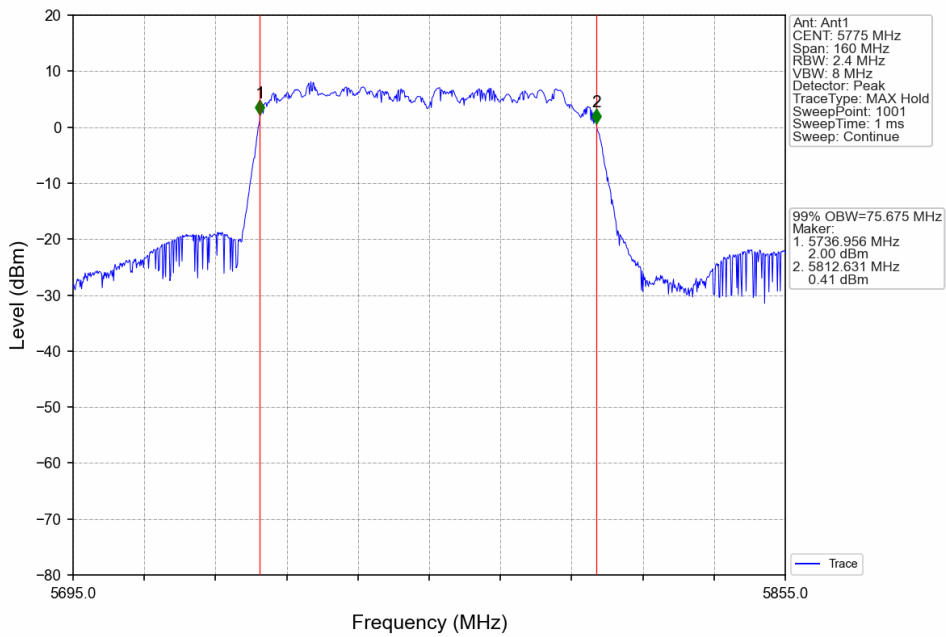
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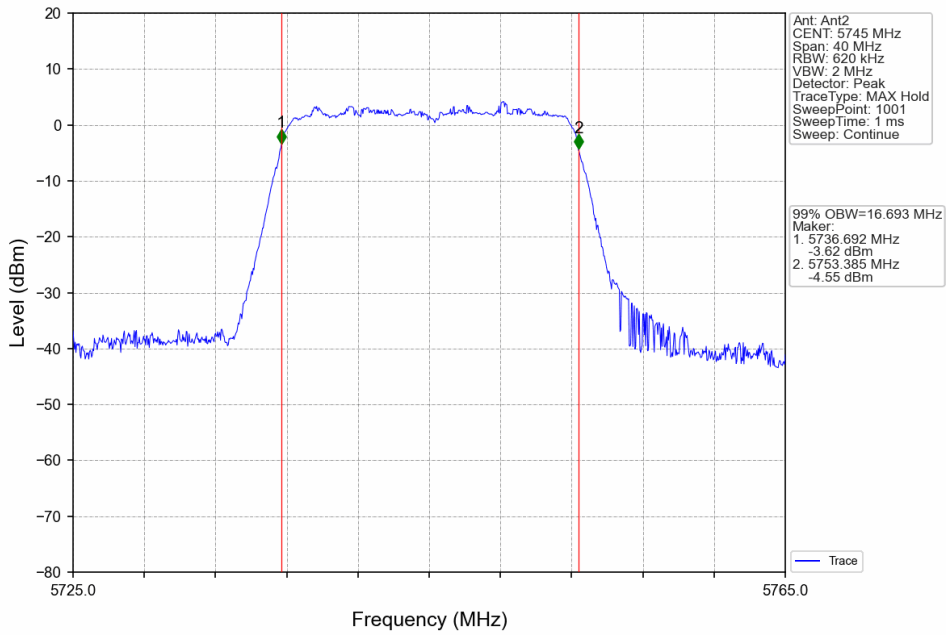
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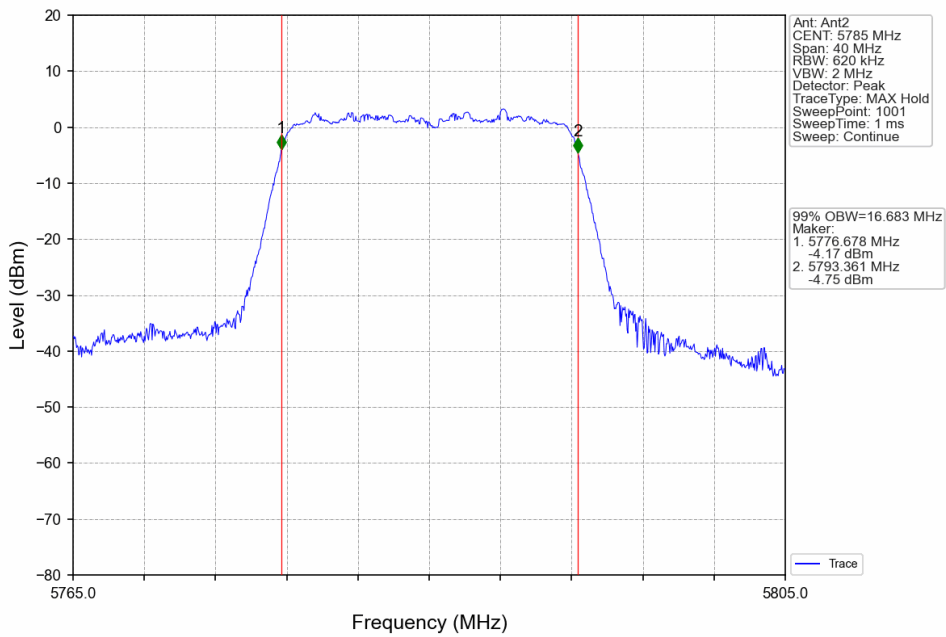
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



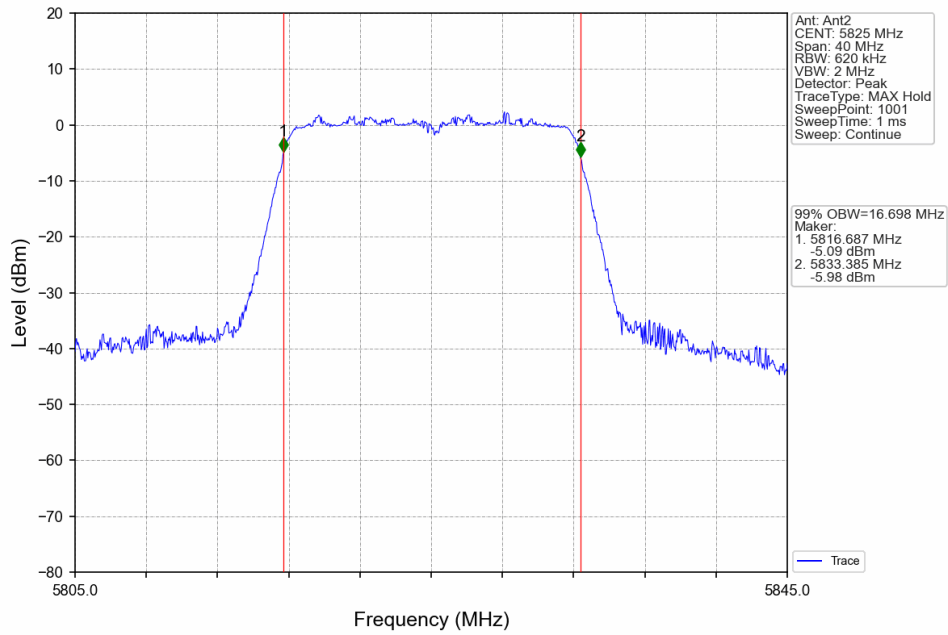
802.11a_LCH_5745MHz_Ant2_NTNV



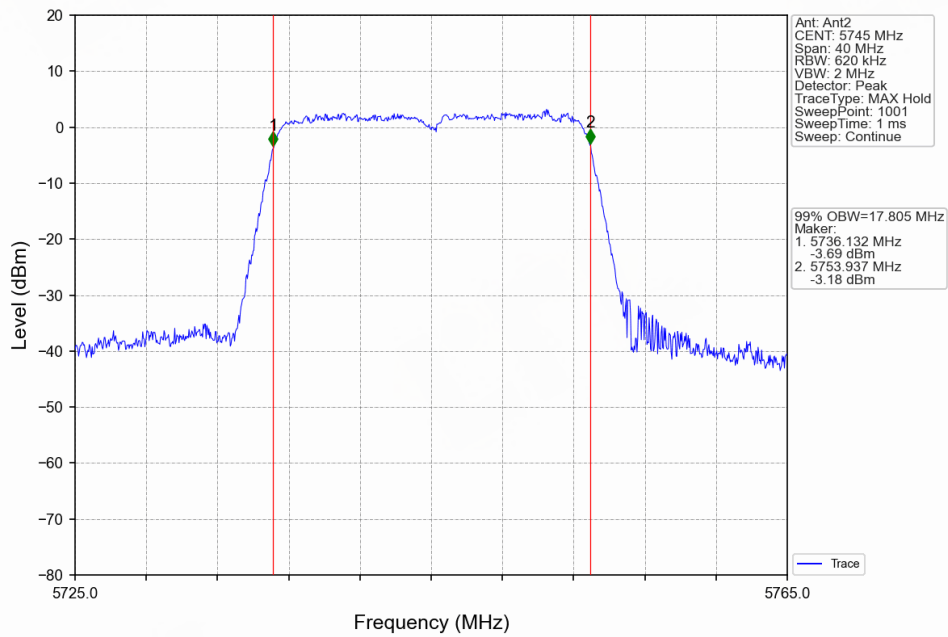
802.11a_MCH_5785MHz_Ant2_NTNV



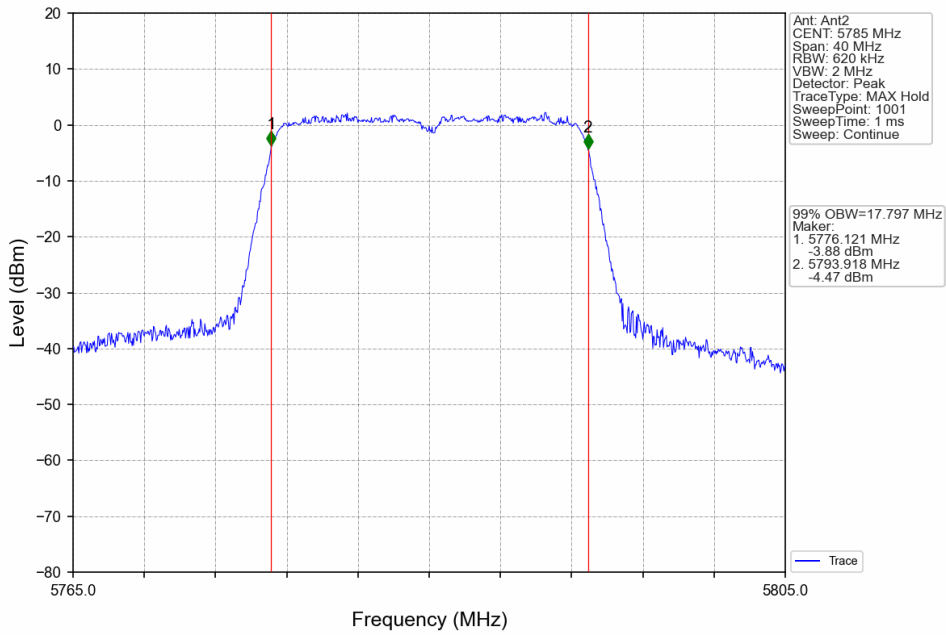
802.11a_HCH_5825MHz_Ant2_NTNV



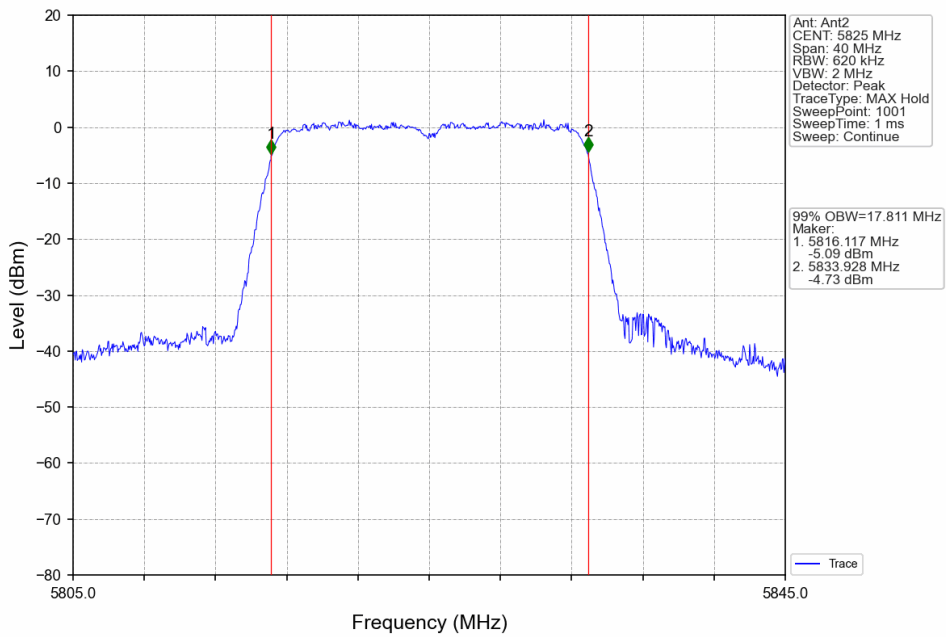
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



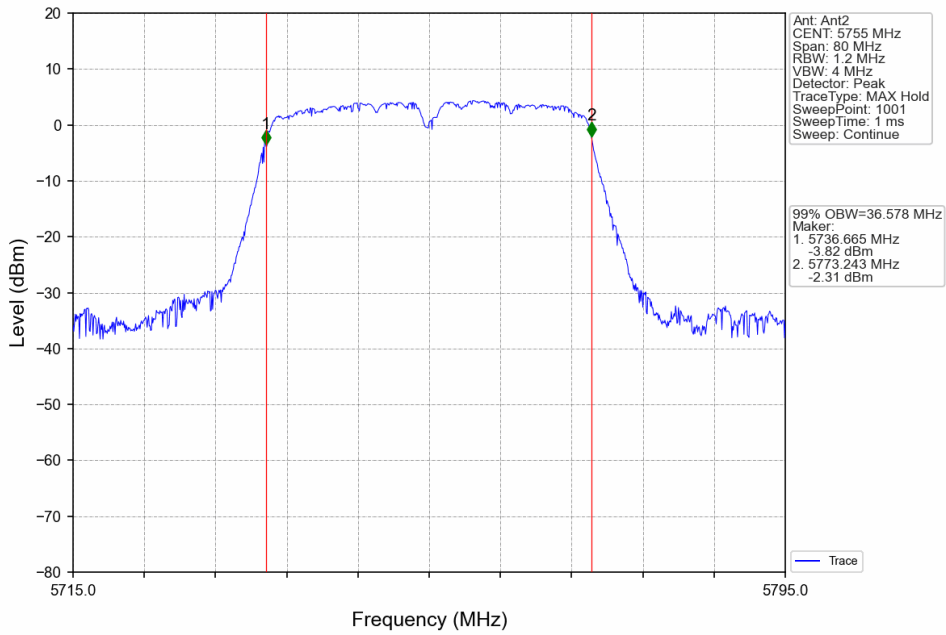
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



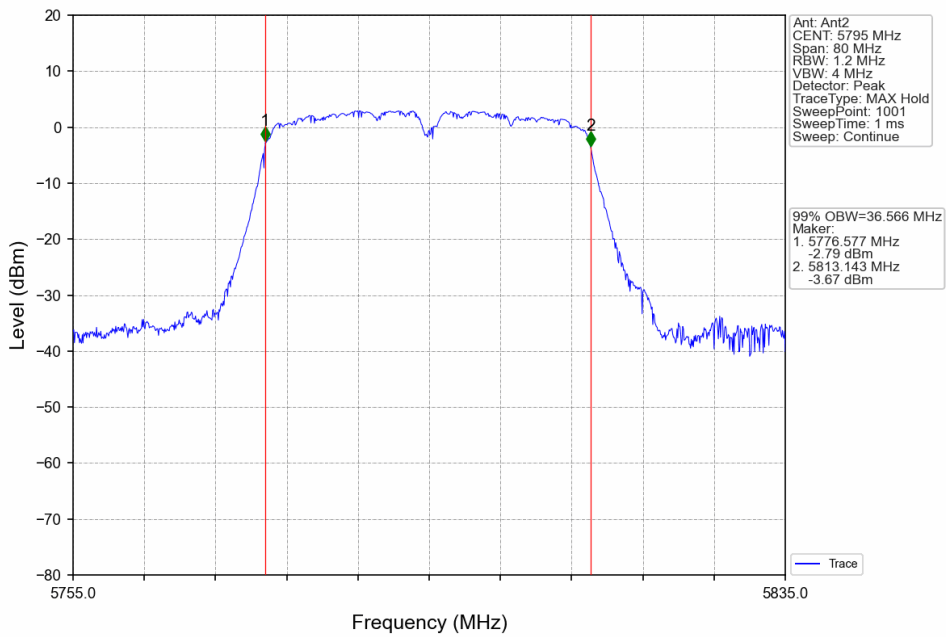
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



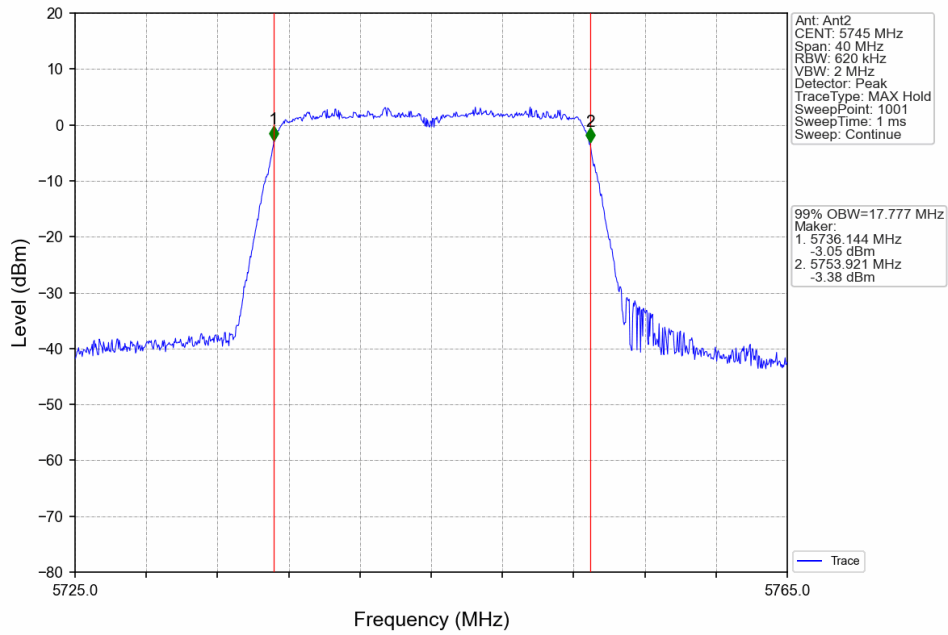
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



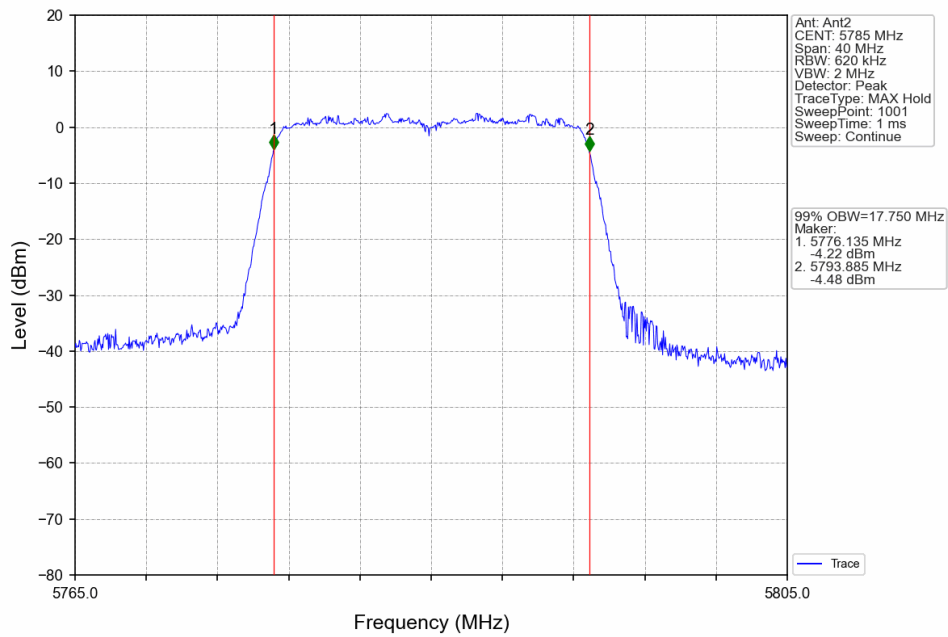
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



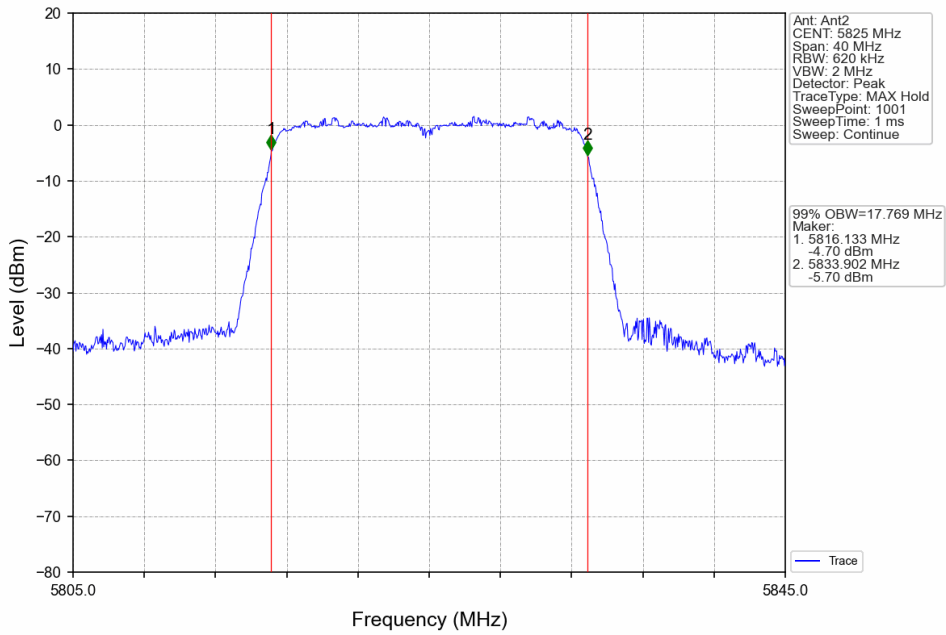
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



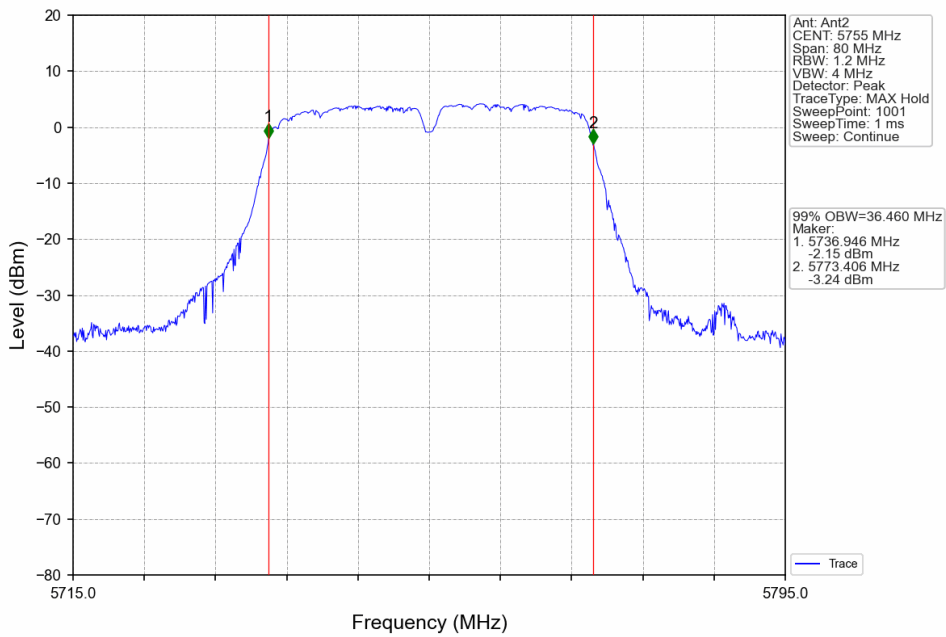
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



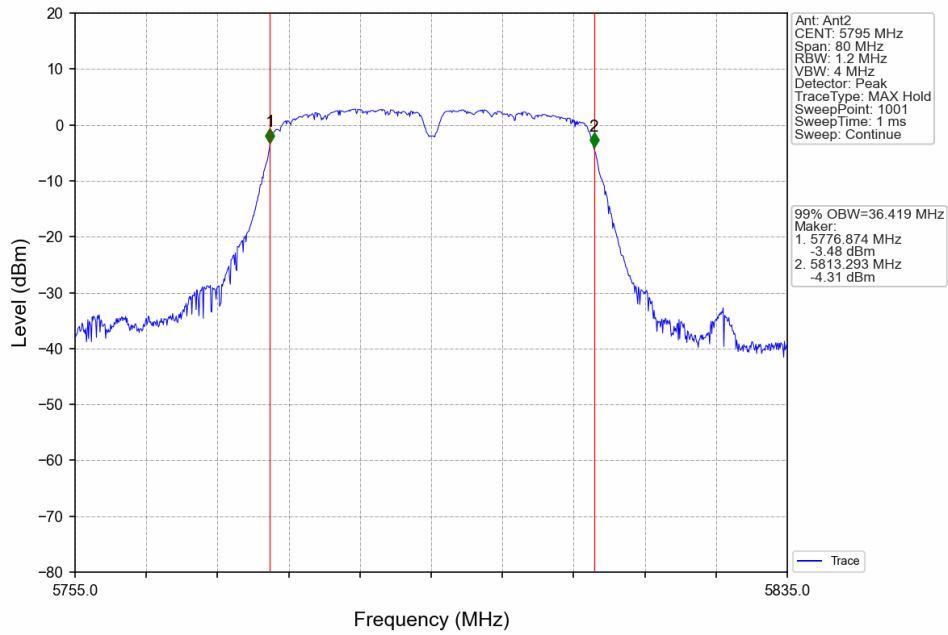
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



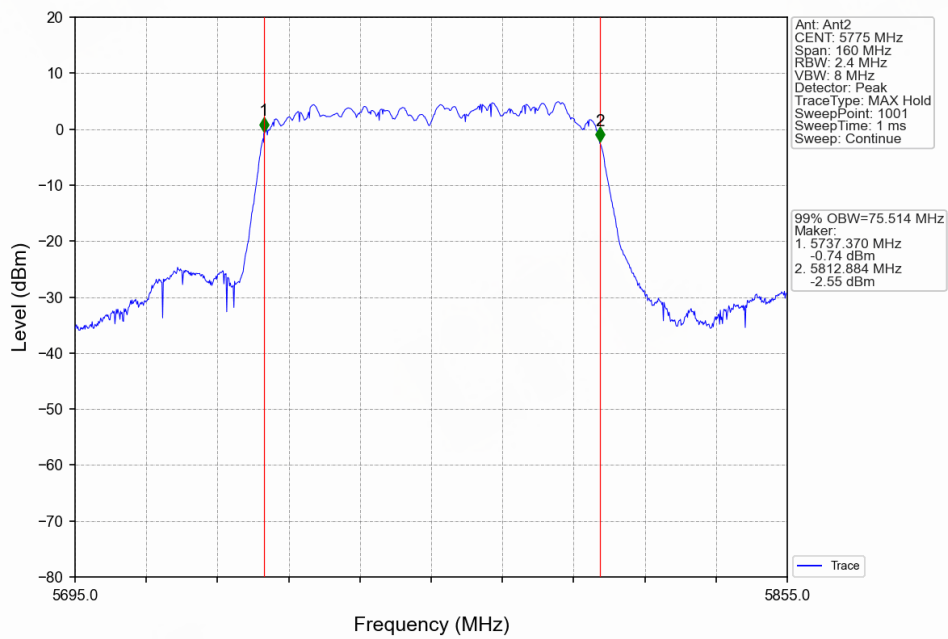
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



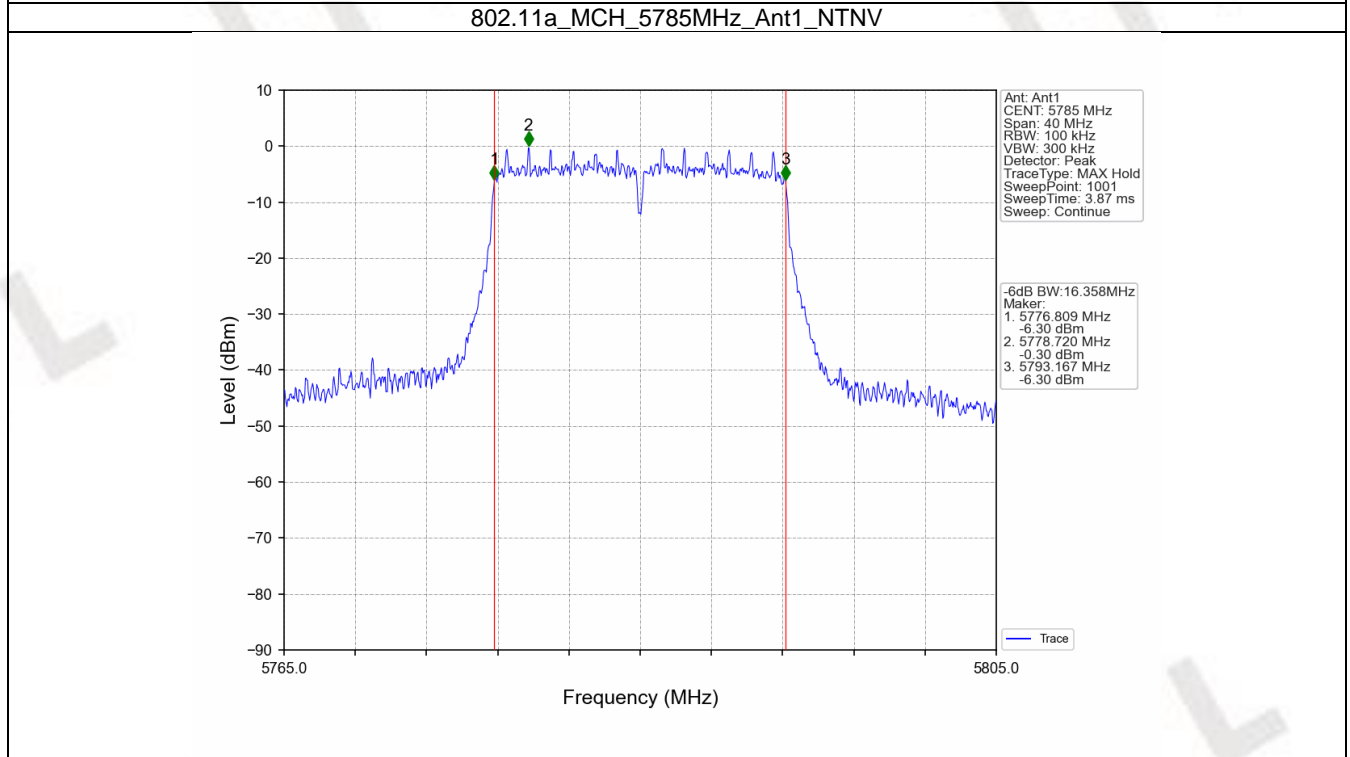
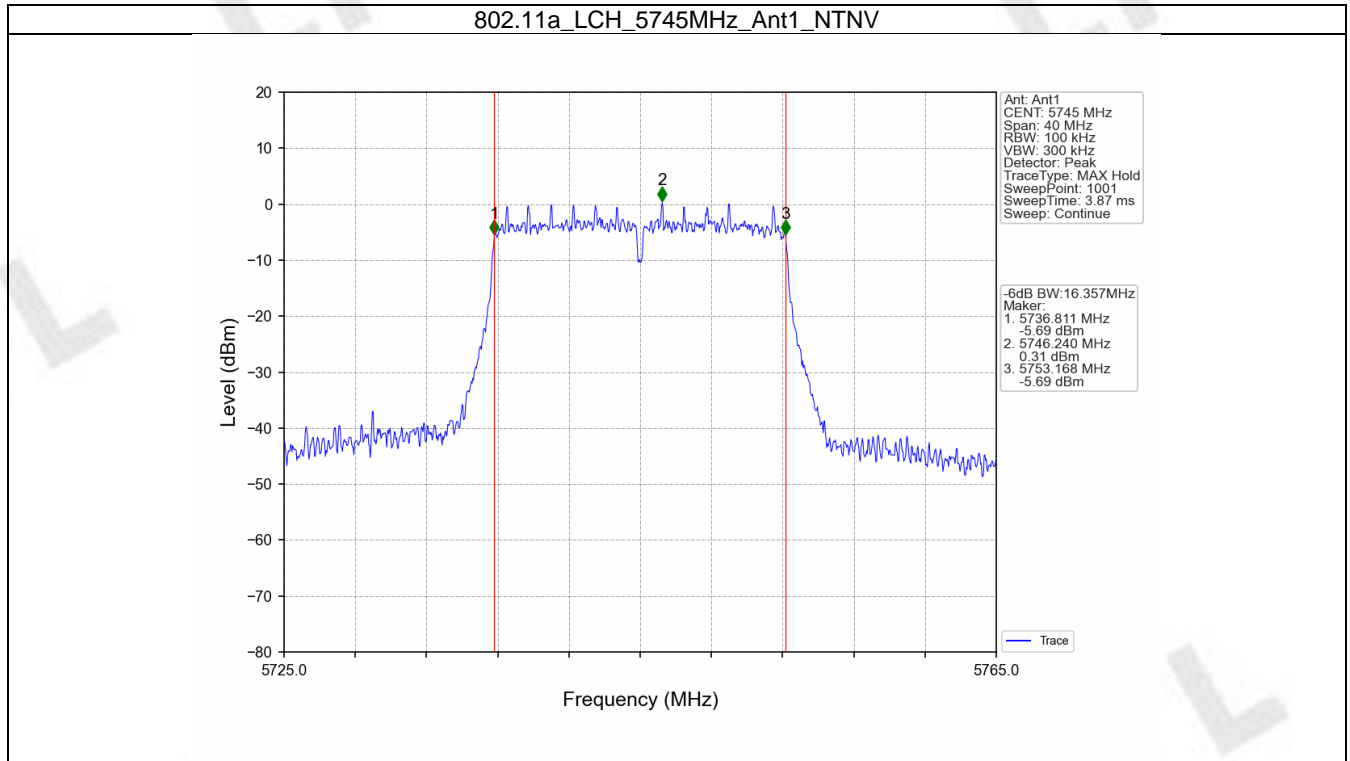
1.2 6dB BW

1.2.1 Test Result

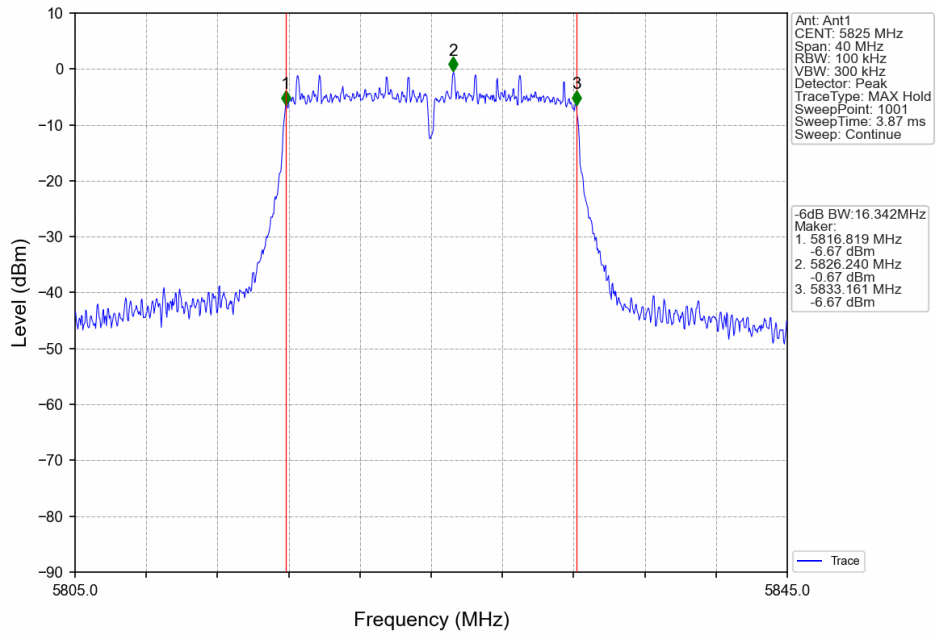
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.357	>=0.5	Pass
		5785	1	16.358	>=0.5	Pass
		5825	1	16.342	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.587	>=0.5	Pass
		5785	1	17.584	>=0.5	Pass
		5825	1	17.572	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.673	>=0.5	Pass
		5795	1	35.497	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.574	>=0.5	Pass
		5785	1	17.371	>=0.5	Pass
		5825	1	17.582	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.225	>=0.5	Pass
		5795	1	35.217	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.177	>=0.5	Pass

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	2	16.339	>=0.5	Pass
		5785	2	16.362	>=0.5	Pass
		5825	2	16.355	>=0.5	Pass
802.11n (HT20)	SISO	5745	2	17.362	>=0.5	Pass
		5785	2	17.585	>=0.5	Pass
		5825	2	17.585	>=0.5	Pass
802.11n (HT40)	SISO	5755	2	35.668	>=0.5	Pass
		5795	2	35.510	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	2	17.313	>=0.5	Pass
		5785	2	17.577	>=0.5	Pass
		5825	2	17.547	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	2	35.367	>=0.5	Pass
		5795	2	35.215	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	2	75.109	>=0.5	Pass

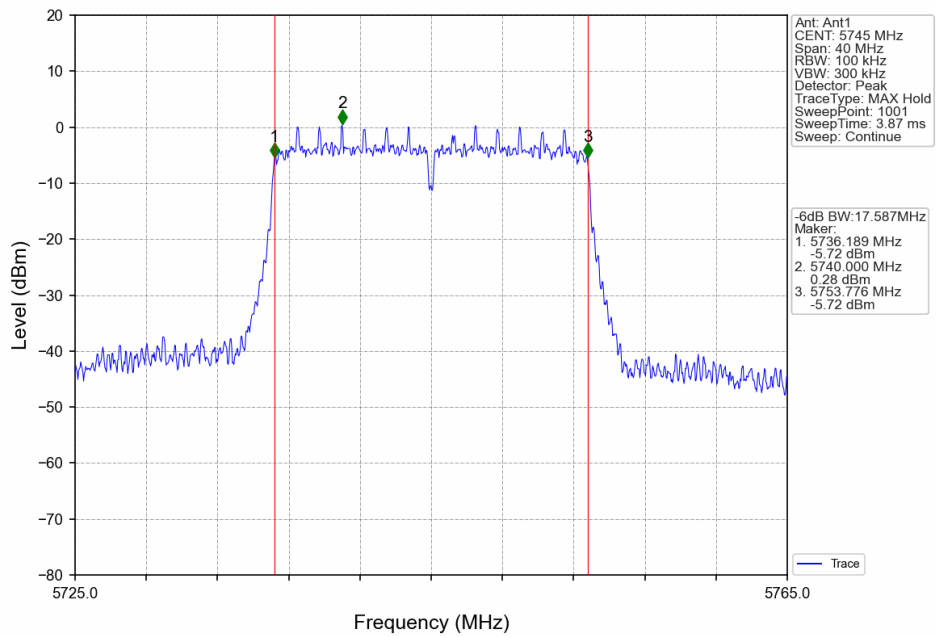
1.2.2 Test Graph



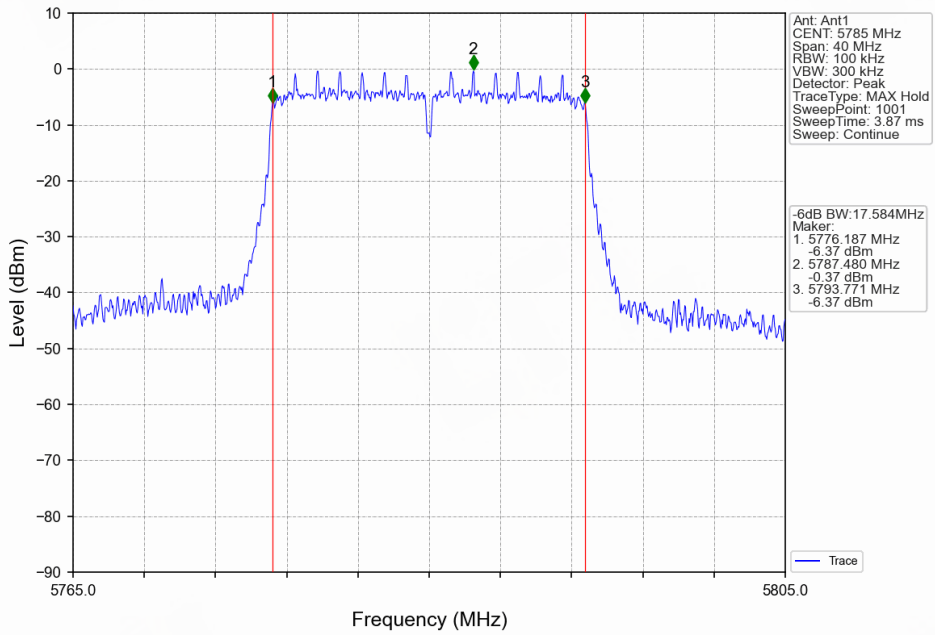
802.11a_HCH_5825MHz_Ant1_NTNV



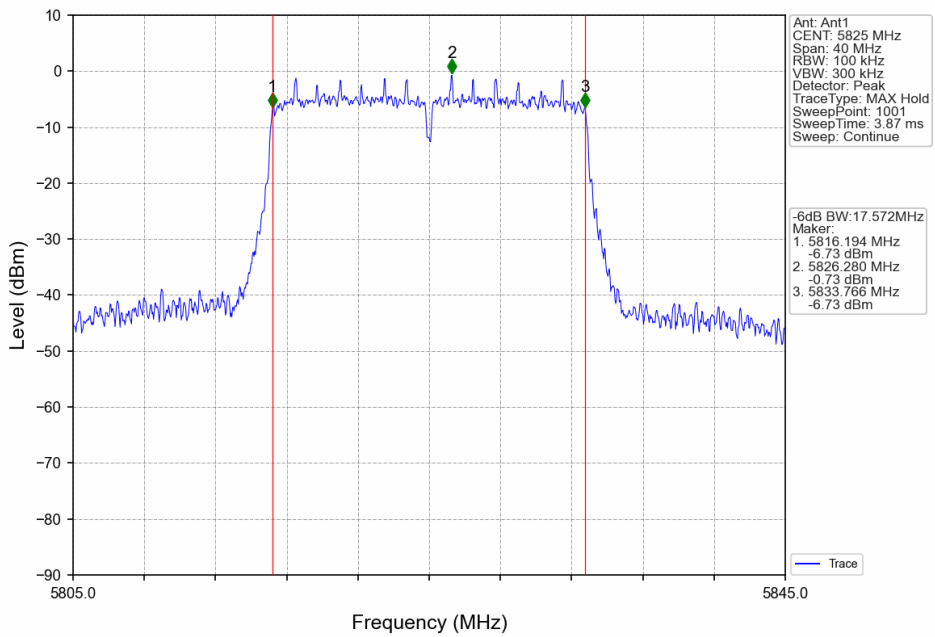
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



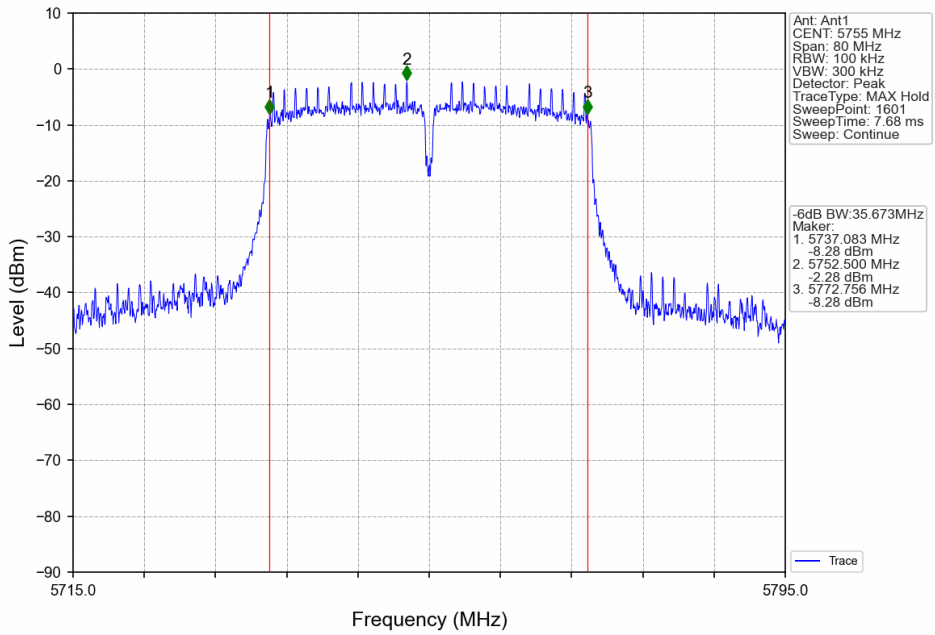
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



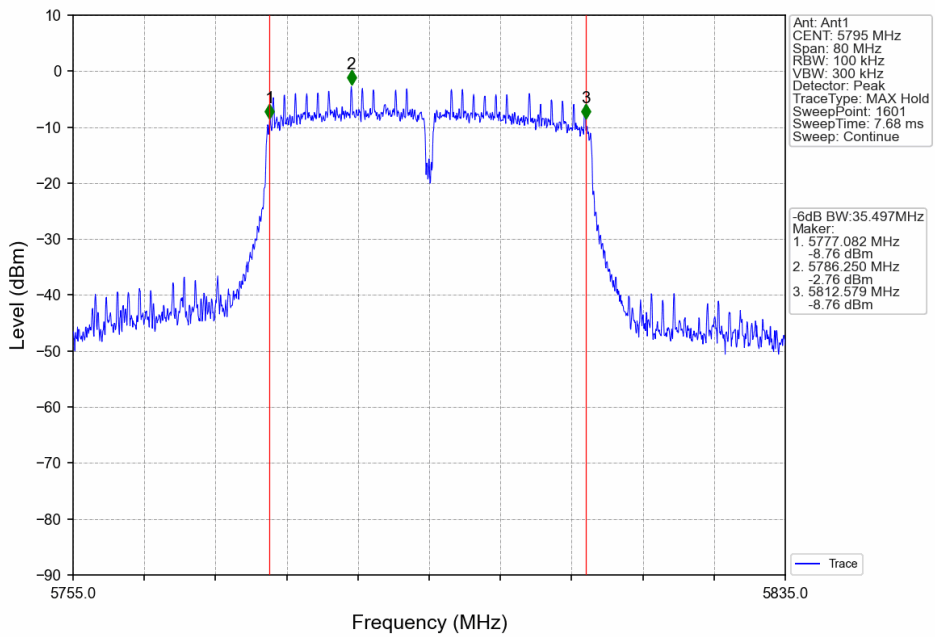
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

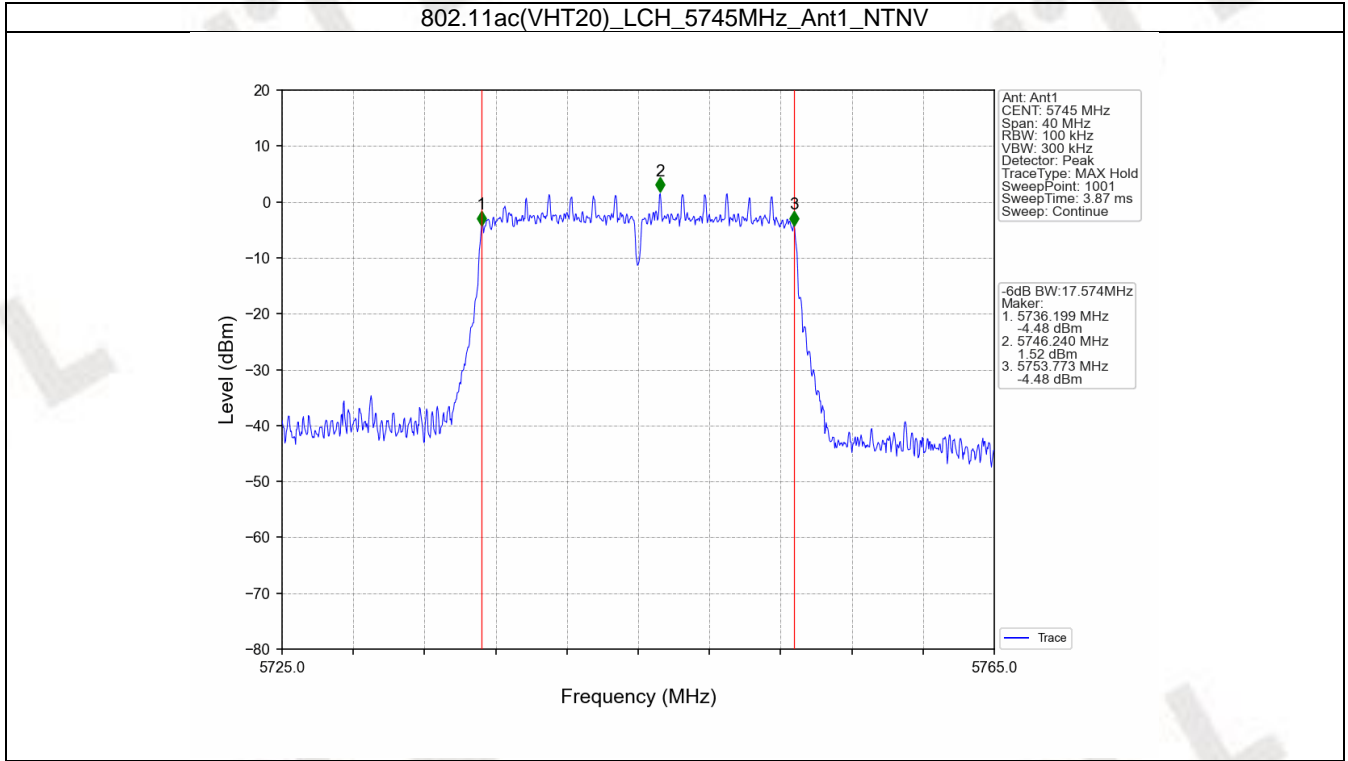


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

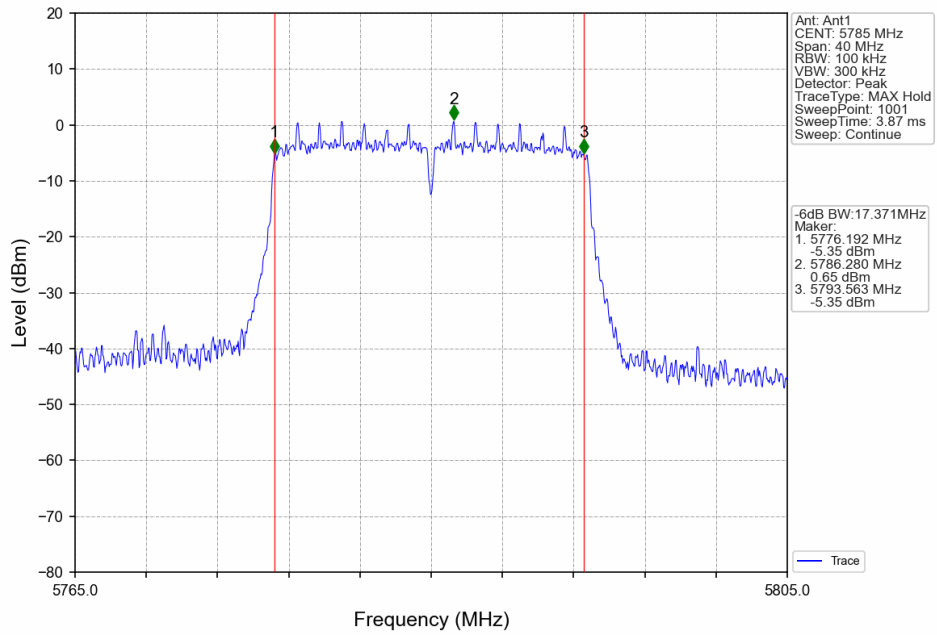


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

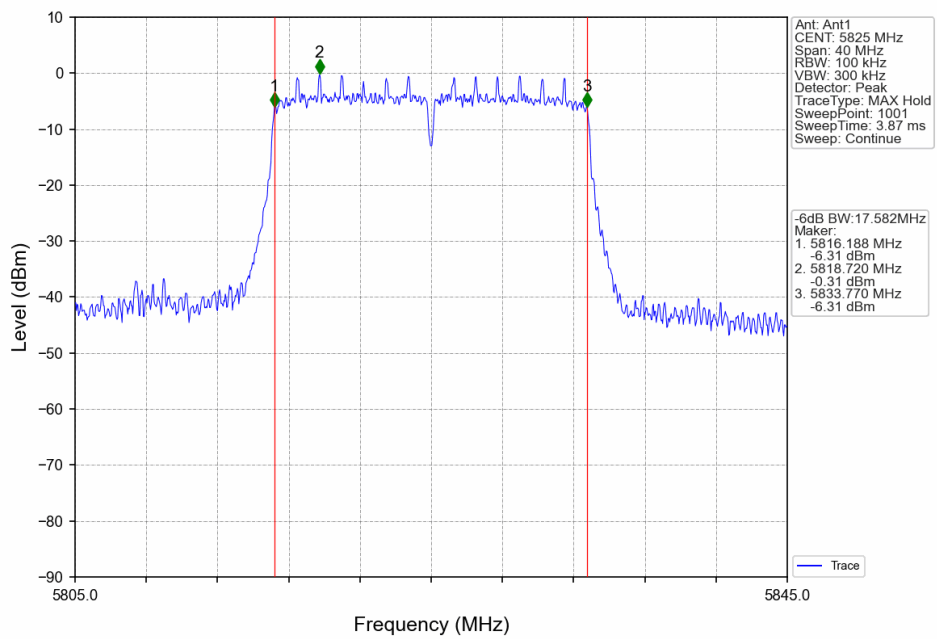




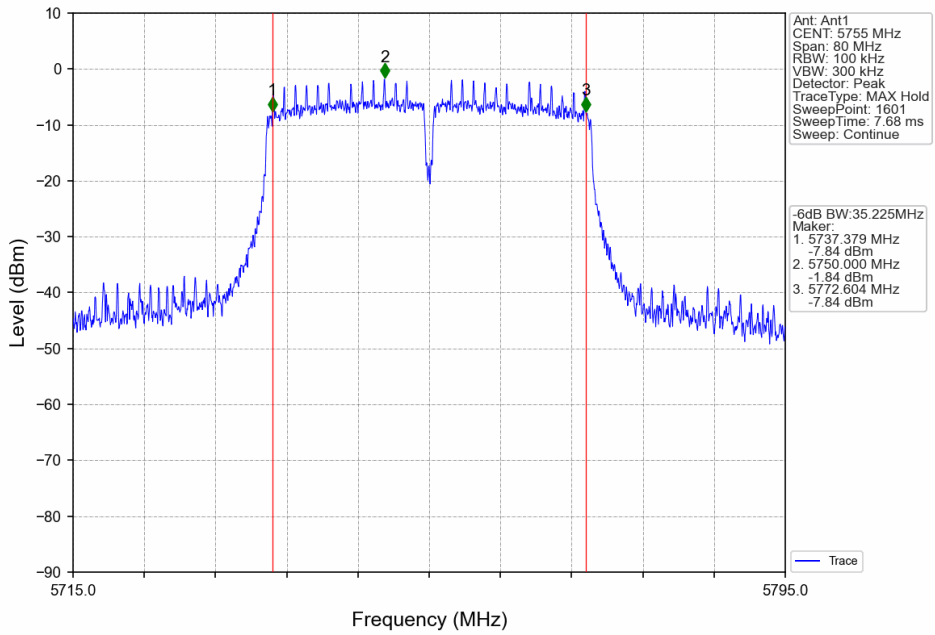
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



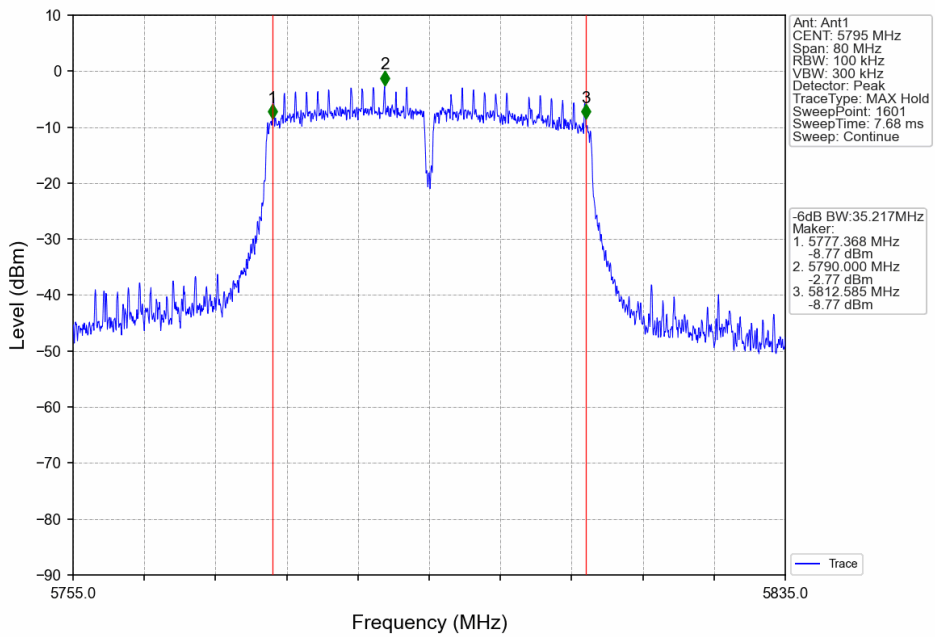
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

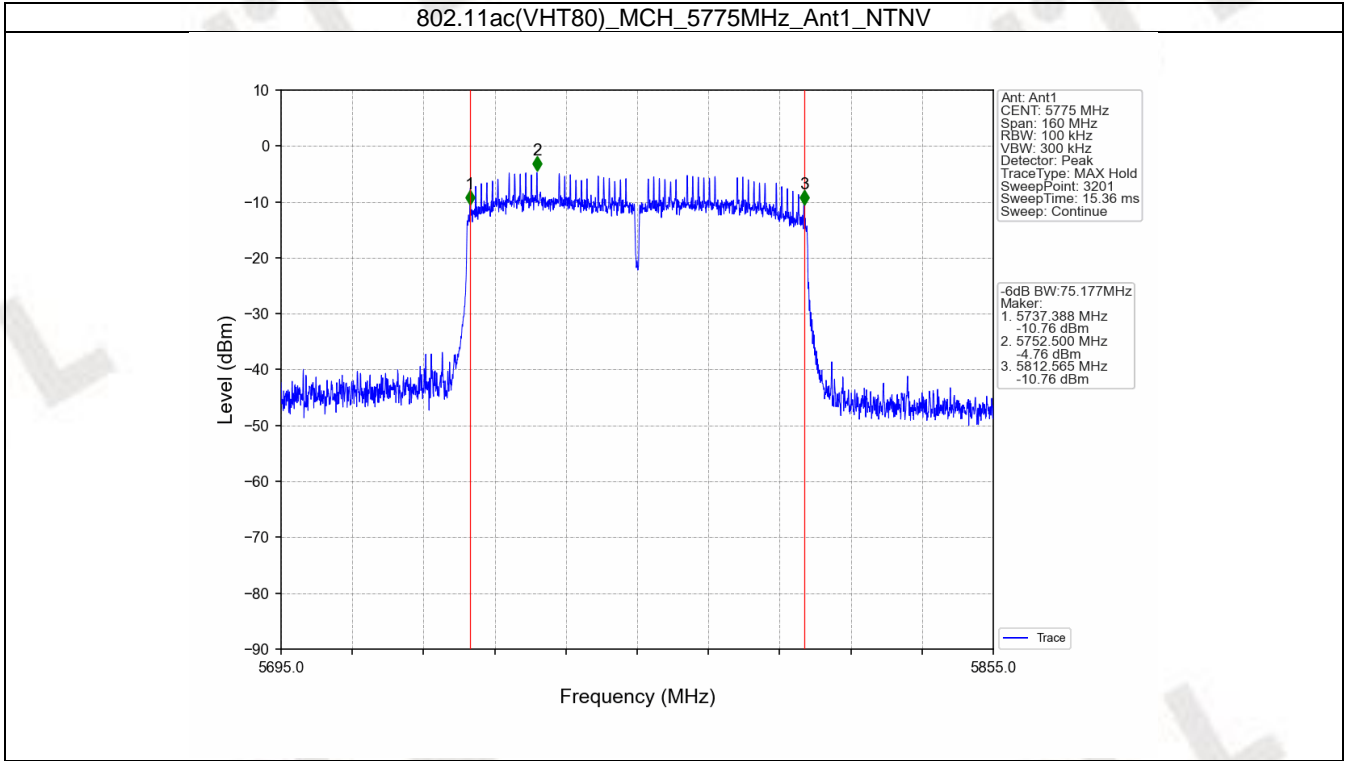


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

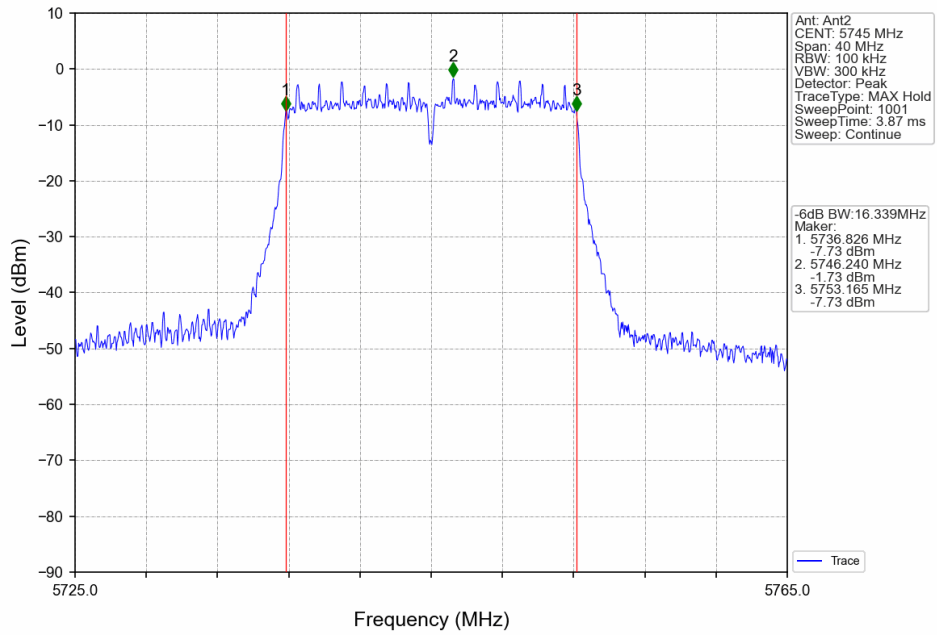


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

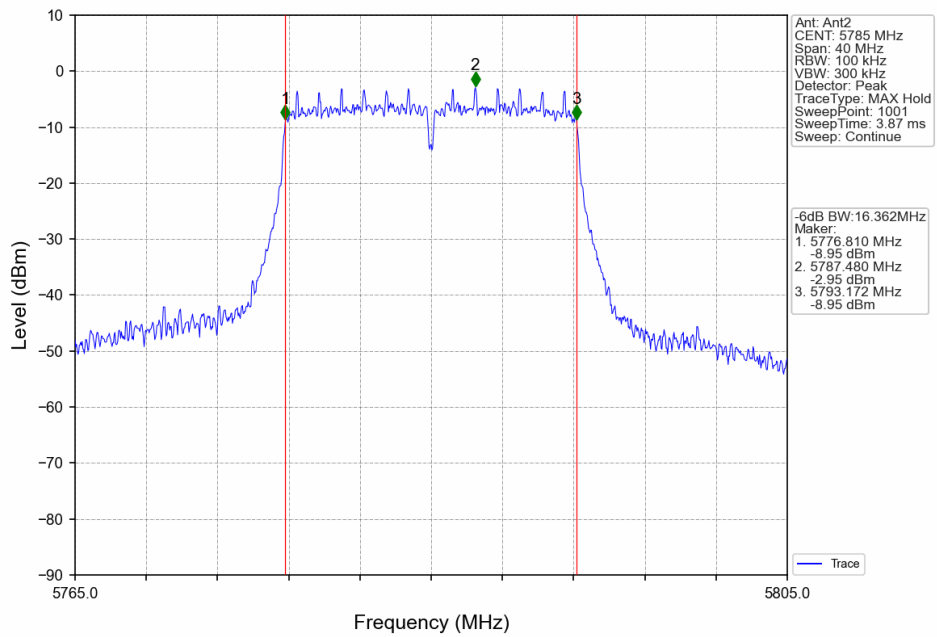




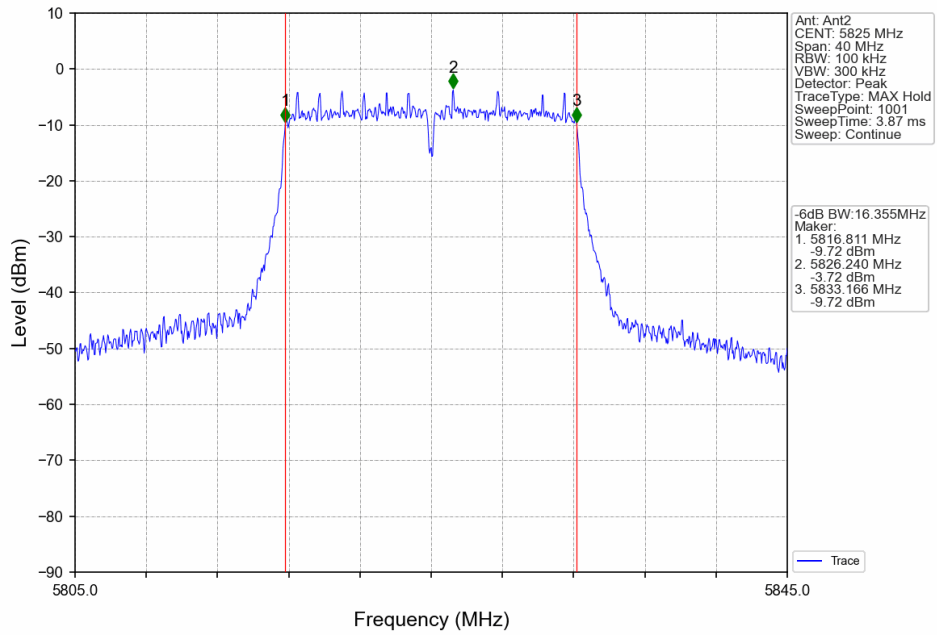
802.11a_LCH_5745MHz_Ant2_NTNV



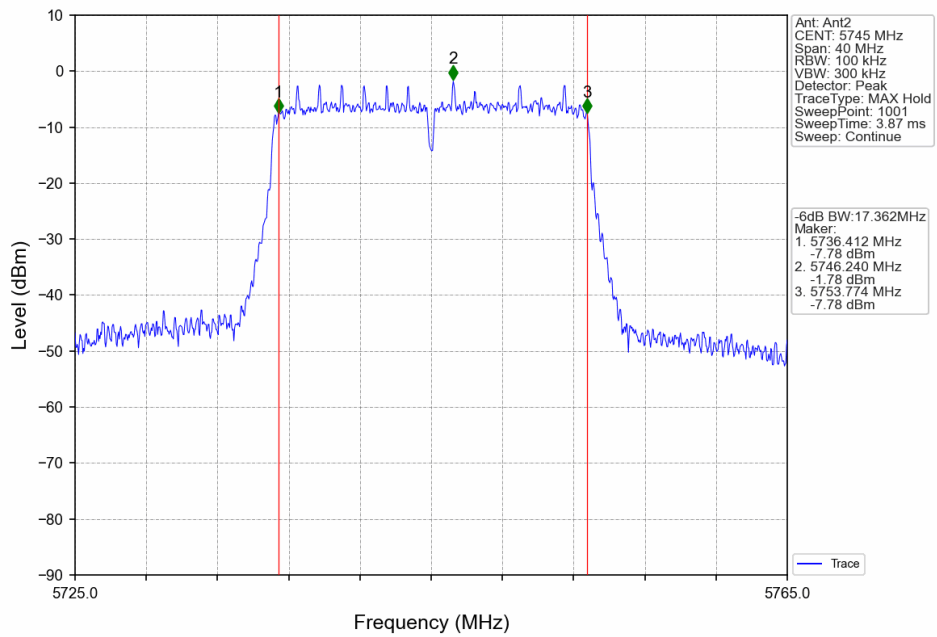
802.11a_MCH_5785MHz_Ant2_NTNV



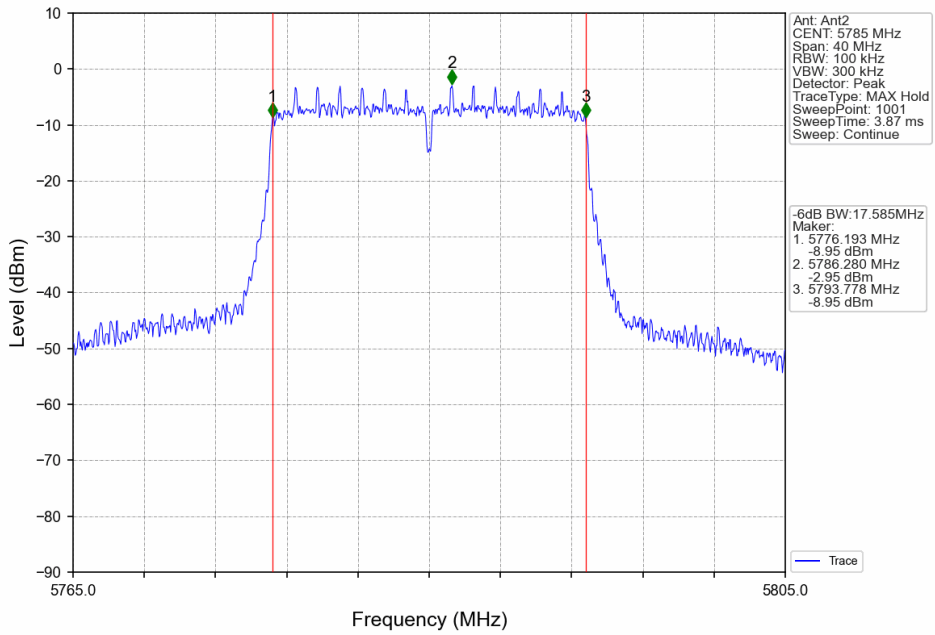
802.11a_HCH_5825MHz_Ant2_NTNV



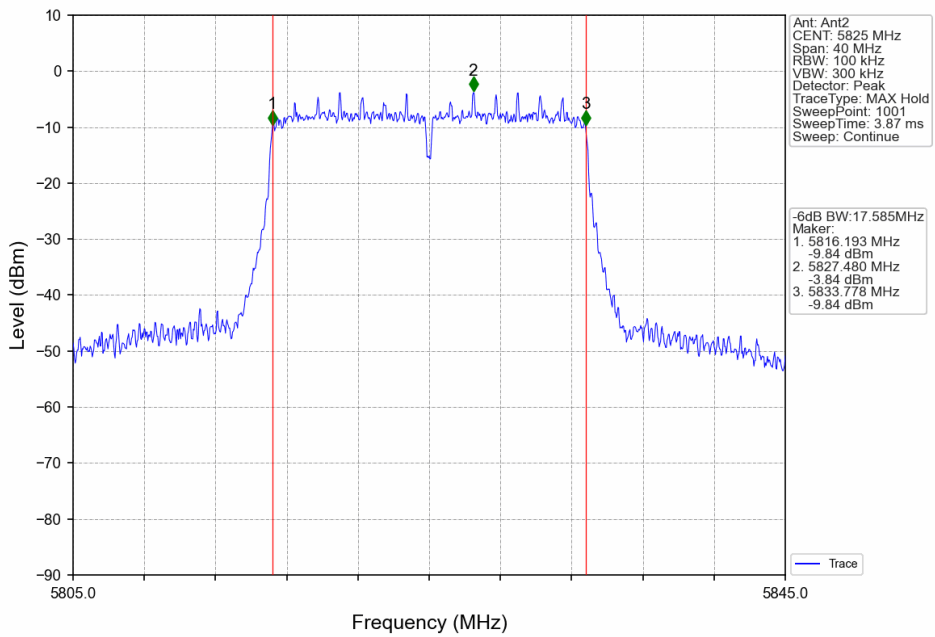
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



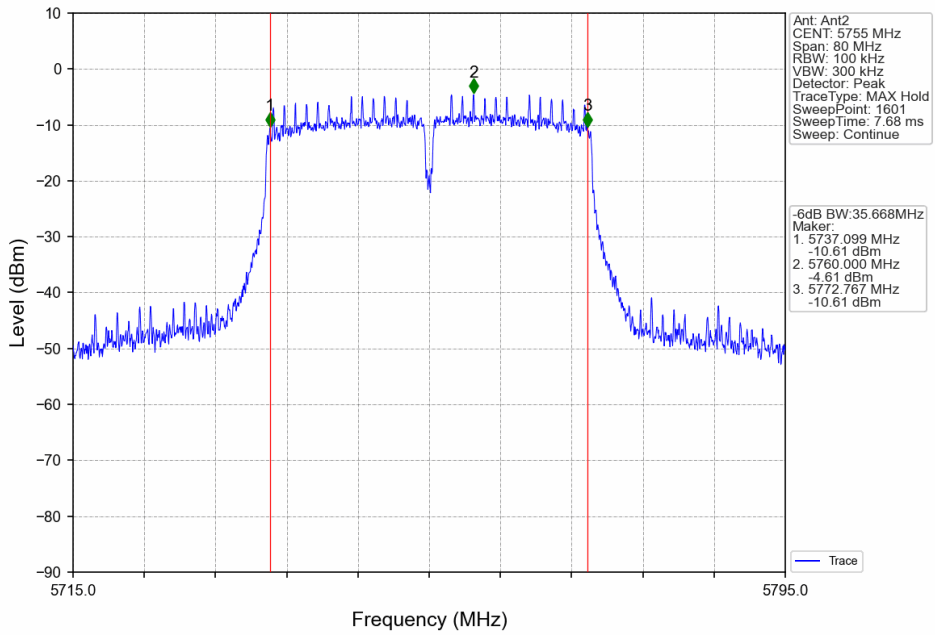
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



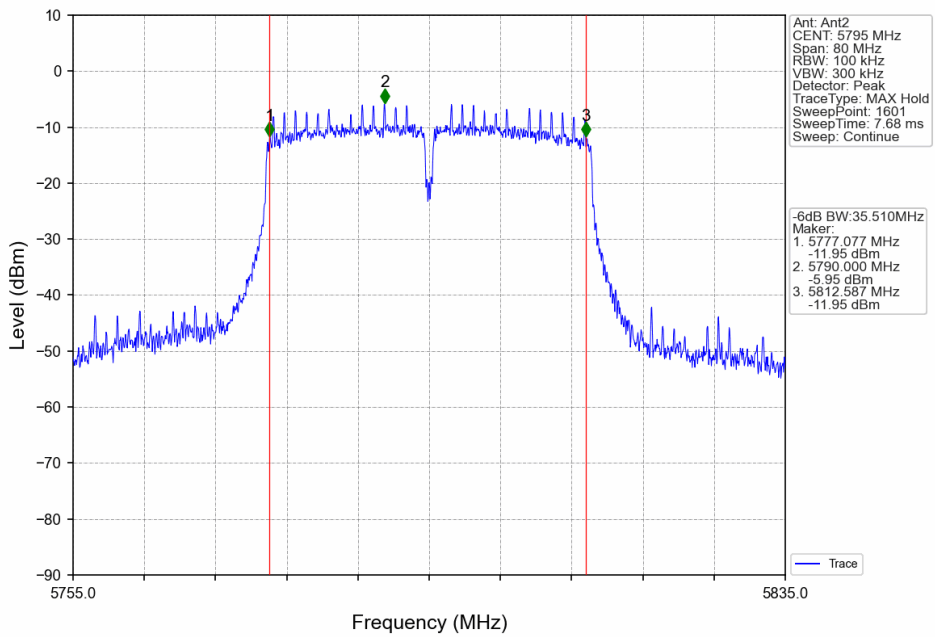
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



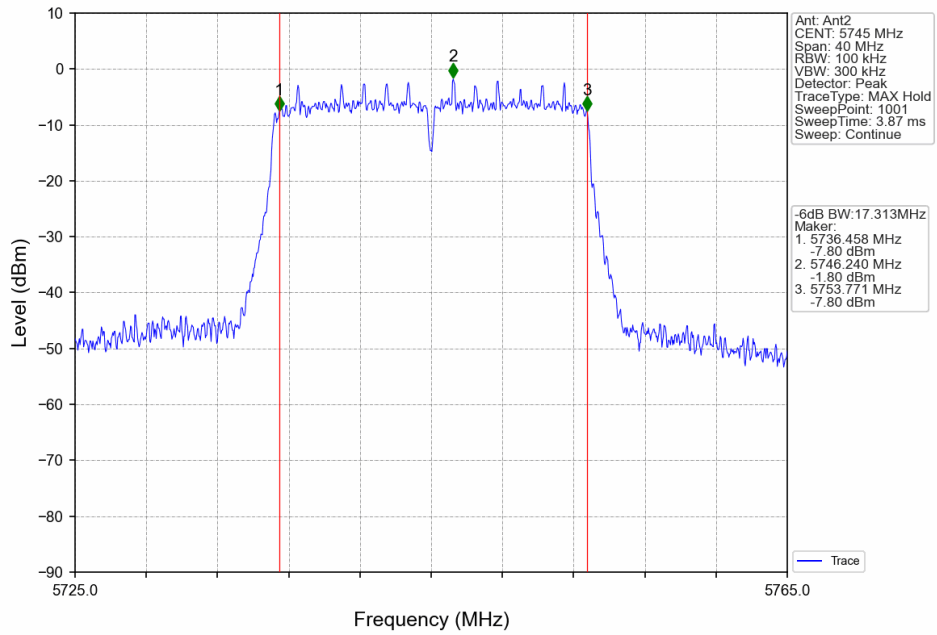
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



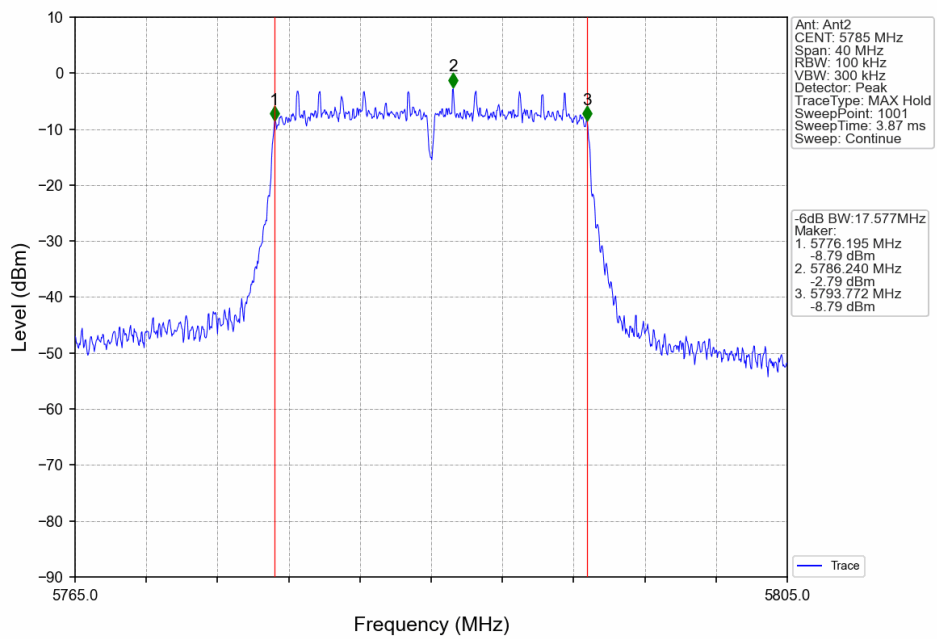
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



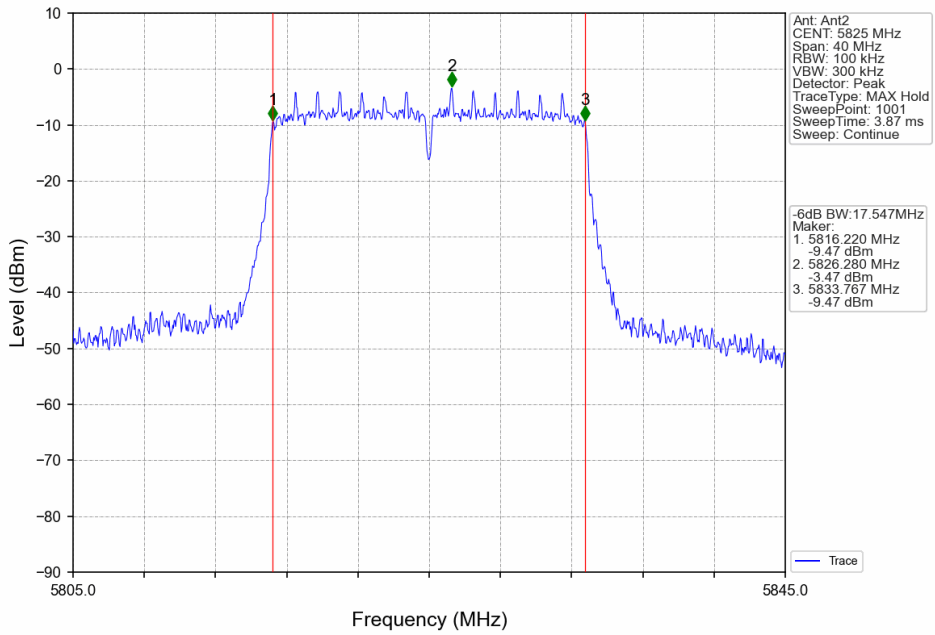
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



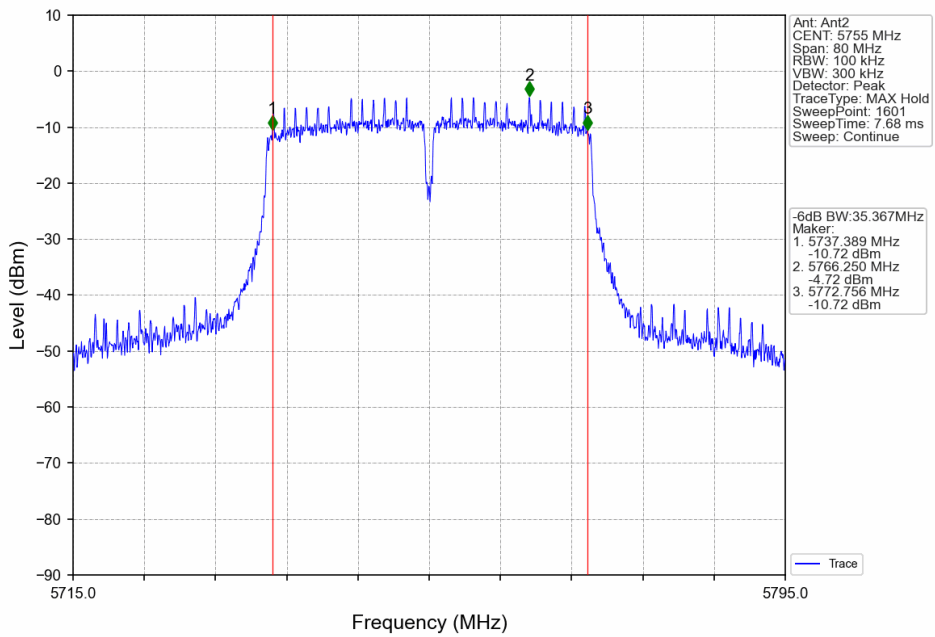
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



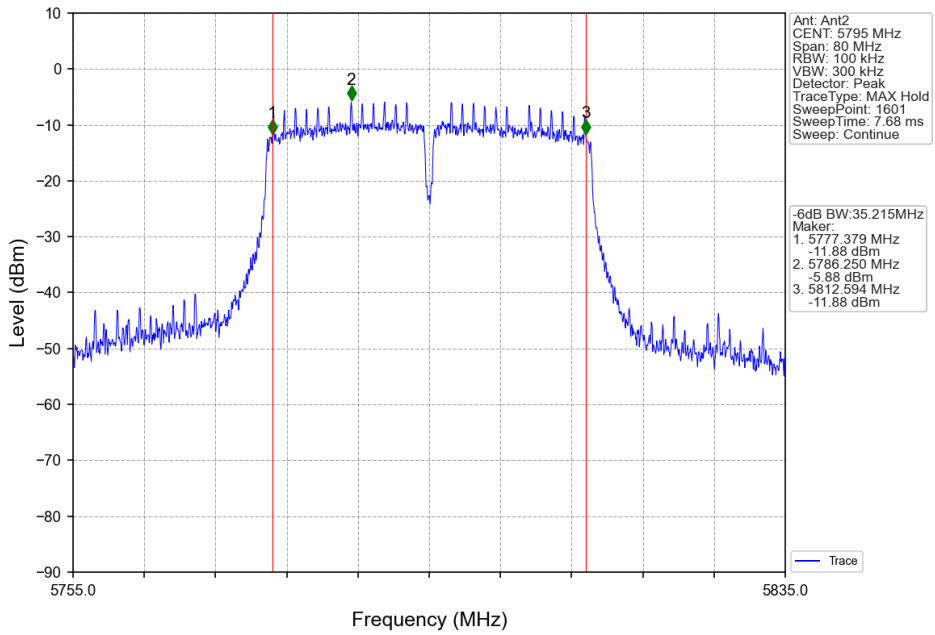
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



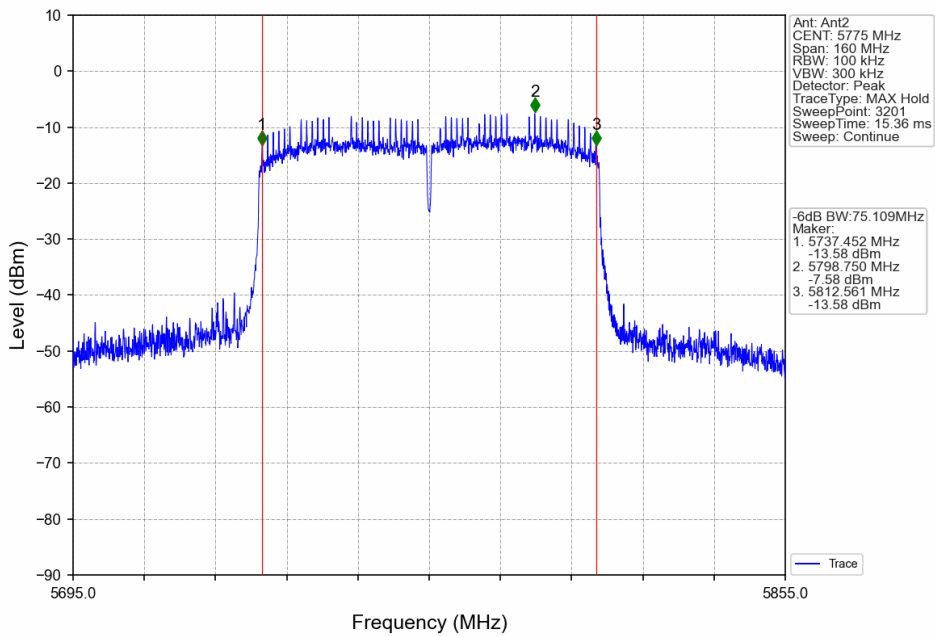
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_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	ANT2	MIMO	Limit	
802.11a	SISO	5745	11.49	11.44	/	<=30	Pass
		5785	10.71	11.13	/	<=30	Pass
		5825	9.54	10.85	/	<=30	Pass
802.11n (HT20)	SISO	5745	11.45	11.45	/	<=30	Pass
		5785	10.89	11.16	/	<=30	Pass
		5825	10.19	10.92	/	<=30	Pass
802.11n (HT40)	SISO	5755	11.55	11.65	/	<=30	Pass
		5795	10.52	10.78	/	<=30	Pass
802.11n (HT20)	MIMO	5745	10.69	10.77	13.74	<=30	Pass
		5785	10.02	10.16	13.10	<=30	Pass
		5825	9.41	10.04	12.75	<=30	Pass
802.11n (HT40)	MIMO	5755	10.87	11.23	14.06	<=30	Pass
		5795	9.74	10.39	13.09	<=30	Pass
802.11ac (VHT20)	SISO	5745	12.59	12.00	/	<=30	Pass
		5785	11.63	11.47	/	<=30	Pass
		5825	10.92	11.36	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	11.93	12.01	/	<=30	Pass
		5795	10.87	11.31	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	11.16	11.56	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	11.30	11.22	14.27	<=30	Pass
		5785	10.42	10.87	13.66	<=30	Pass
		5825	9.93	10.47	13.22	<=30	Pass
802.11ac (VHT40)	MIMO	5755	11.27	11.70	14.50	<=30	Pass
		5795	10.54	10.67	13.62	<=30	Pass
802.11ac (VHT80)	MIMO	5775	11.49	10.79	14.16	<=30	Pass

Note1: Antenna Gain: Ant1: 1.95dBi; Ant2: 1.95dBi;
Note2: Directional Gain: 4.96dBi

3. Maximum Power Spectral Density

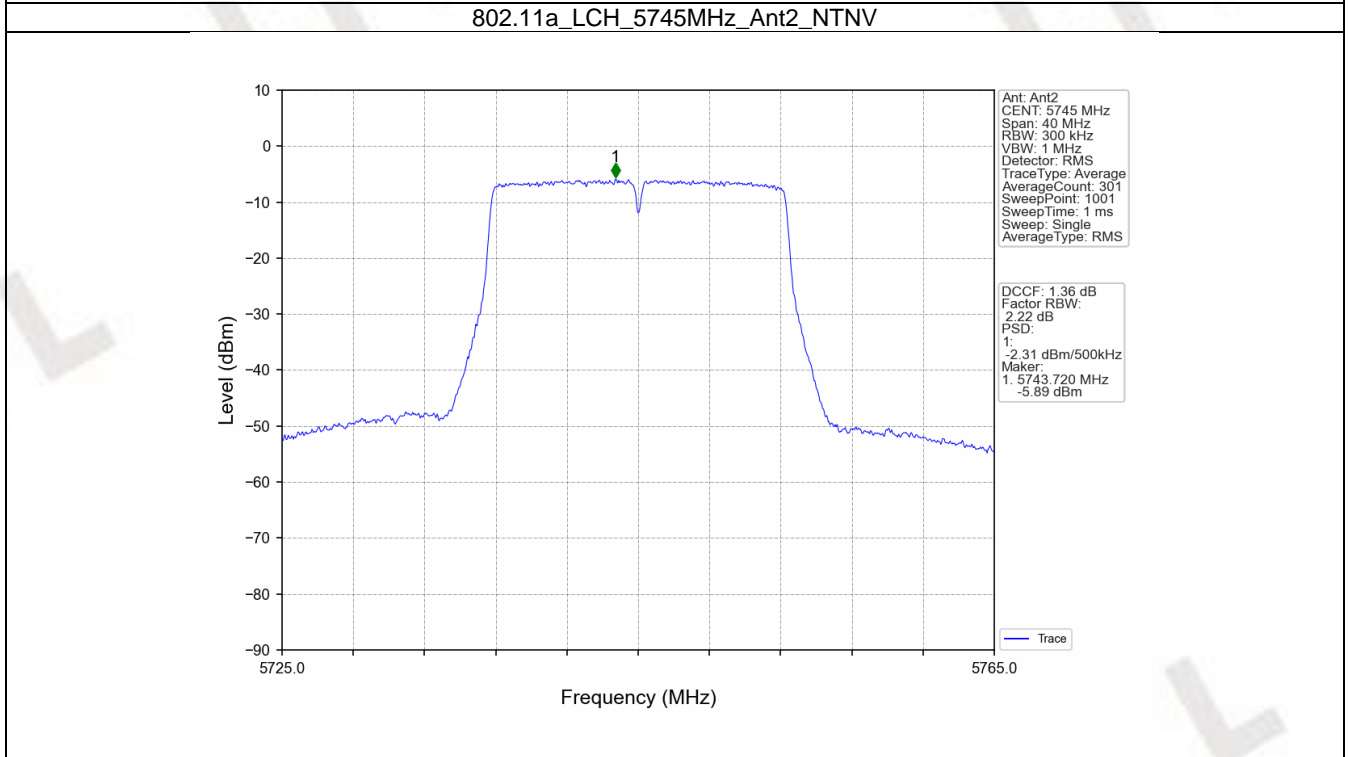
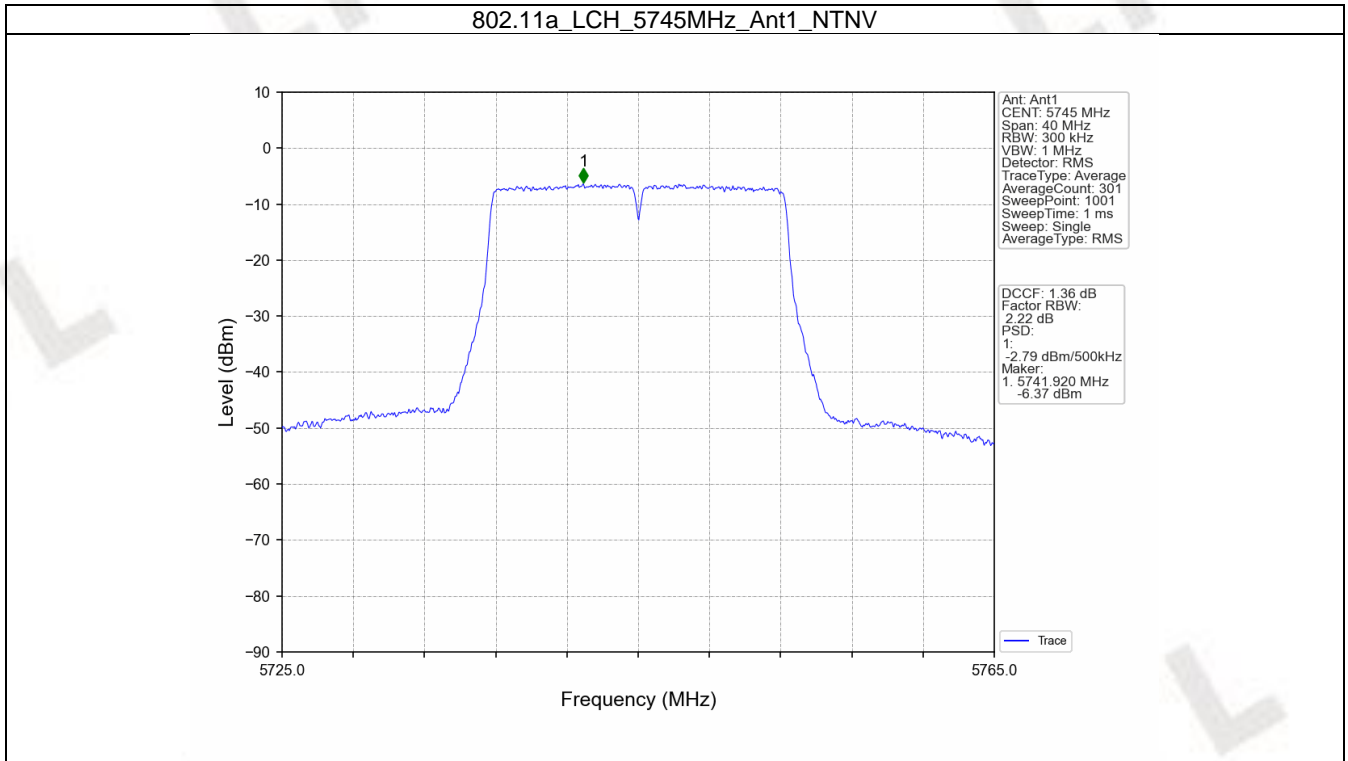
3.1 PSD-Band3

3.1.1 Test Result

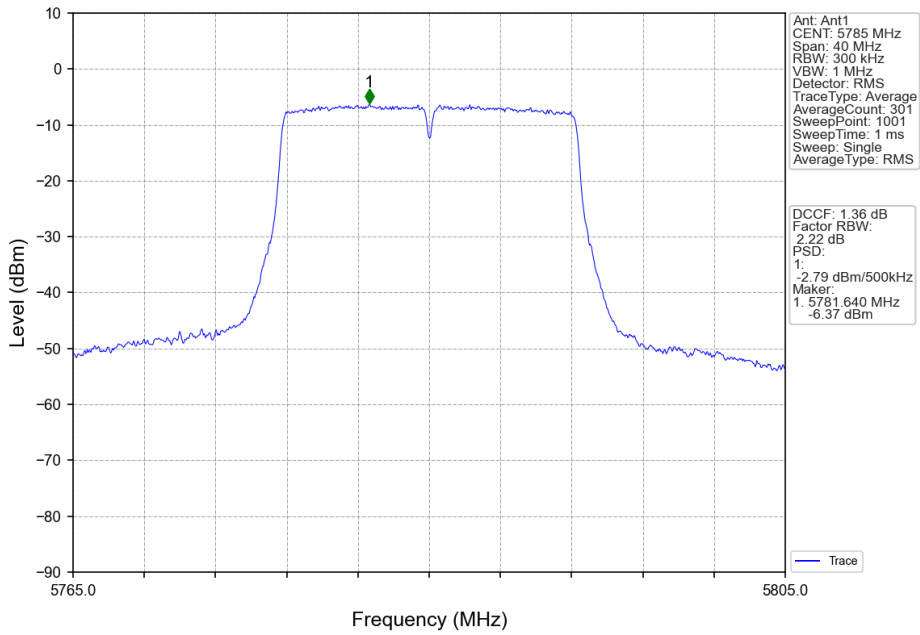
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-2.79	-2.31	/	<=30	Pass
		5785	-2.79	-2.67	/	<=30	Pass
		5825	-4.31	-3.00	/	<=30	Pass
802.11n (HT20)	SISO	5745	-2.93	-2.83	/	<=30	Pass
		5785	-3.39	-3.29	/	<=30	Pass
		5825	-4.10	-3.53	/	<=30	Pass
802.11n (HT40)	SISO	5755	-5.47	-4.80	/	<=30	Pass
		5795	-6.12	-5.98	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-3.55	-3.76	-0.65	<=30	Pass
		5785	-4.33	-4.02	-1.23	<=30	Pass
		5825	-4.96	-4.35	-1.77	<=30	Pass
802.11n (HT40)	MIMO	5755	-6.16	-6.10	-3.13	<=30	Pass
		5795	-6.57	-7.00	-3.92	<=30	Pass
802.11ac (VHT20)	SISO	5745	-1.69	-2.44	/	<=30	Pass
		5785	-2.67	-2.85	/	<=30	Pass
		5825	-3.50	-3.30	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	-4.99	-4.98	/	<=30	Pass
		5795	-6.09	-5.88	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.99	-8.12	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-2.38	-2.57	0.10	<=30	Pass
		5785	-3.50	-3.57	-0.82	<=30	Pass
		5825	-4.49	-3.27	-1.06	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-5.62	-5.60	-3.03	<=30	Pass
		5795	-5.71	-6.49	-3.32	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-7.83	-8.07	-5.29	<=30	Pass

Note1: Antenna Gain: Ant1: 1.95dBi; Ant2: 1.95dBi;
Note2: Directional Gain: Band3: 4.96dBi

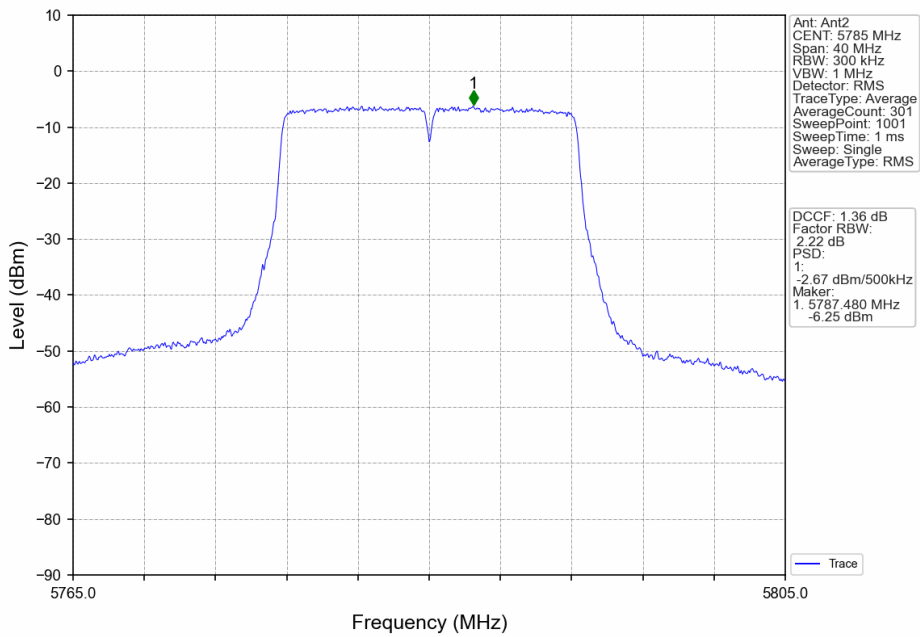
3.1.2 Test Graph



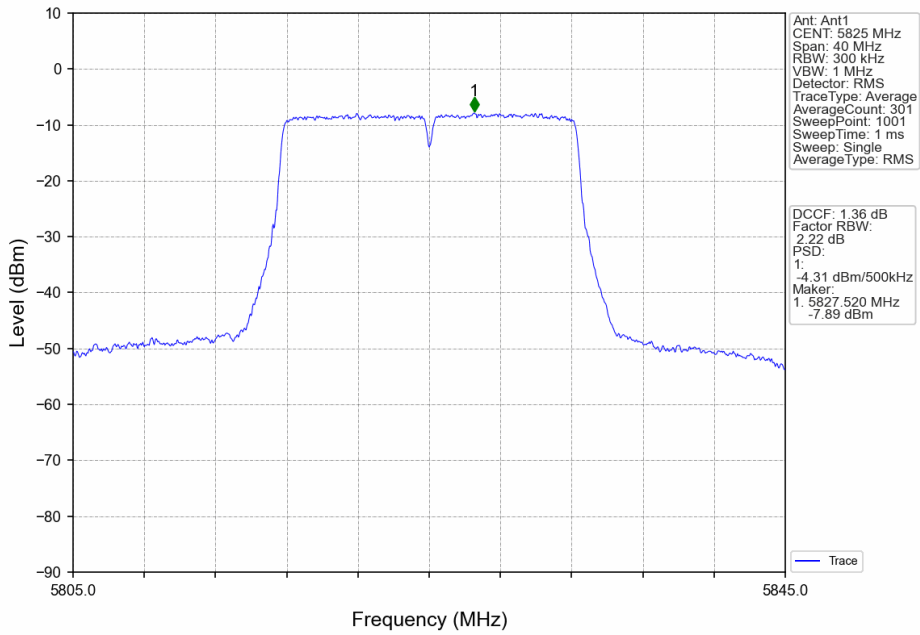
802.11a_MCH_5785MHz_Ant1_NTNV



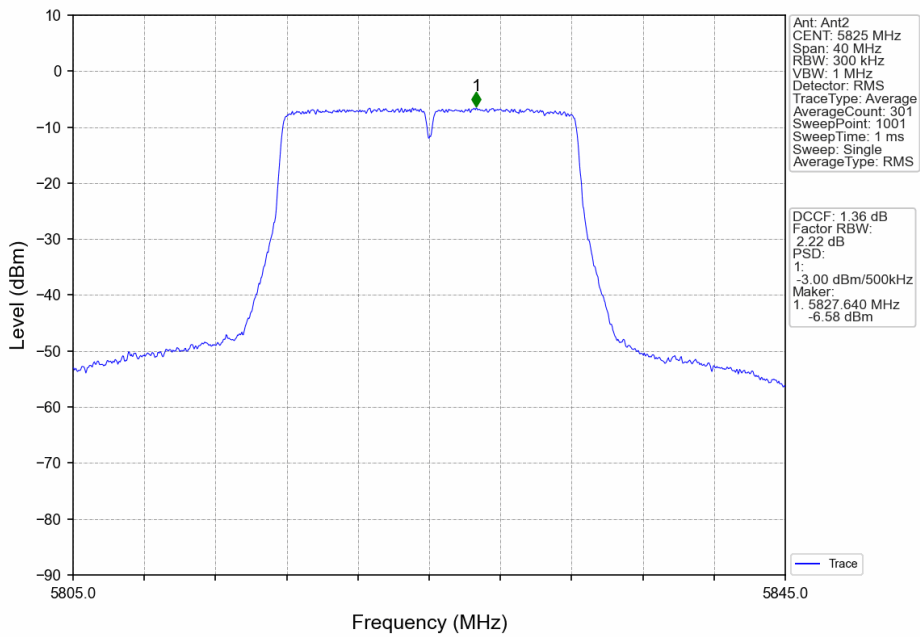
802.11a_MCH_5785MHz_Ant2_NTNV



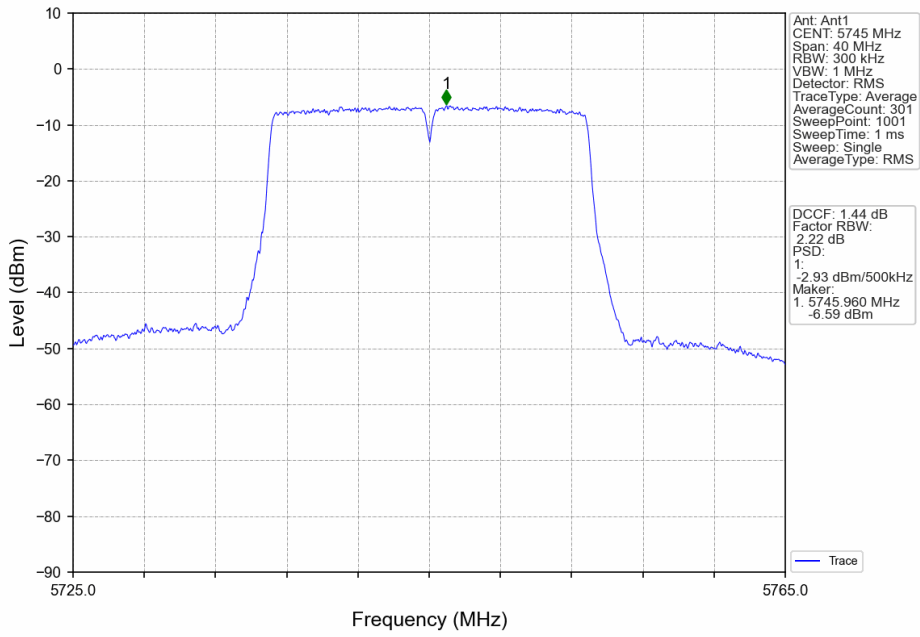
802.11a_HCH_5825MHz_Ant1_NTNV



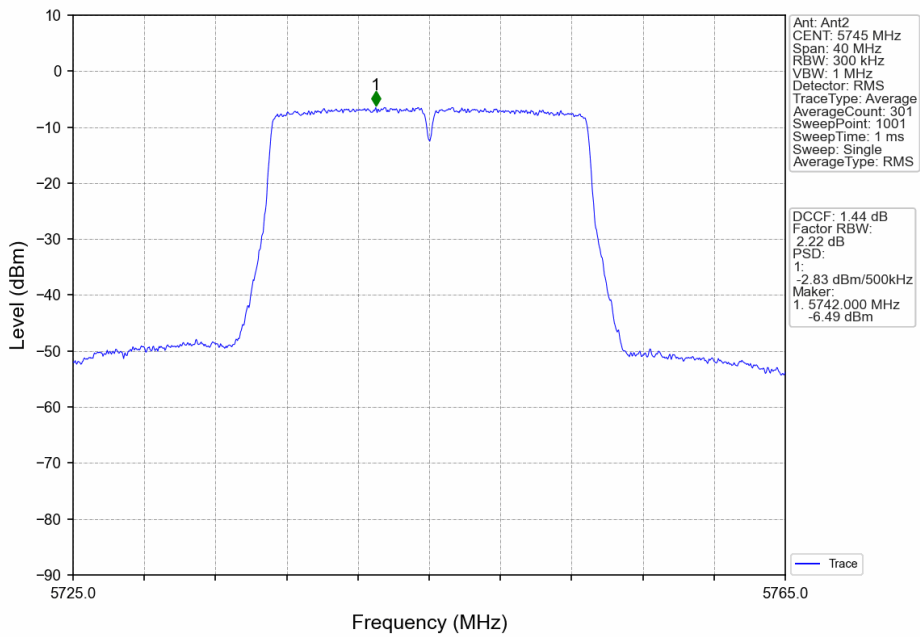
802.11a_HCH_5825MHz_Ant2_NTNV



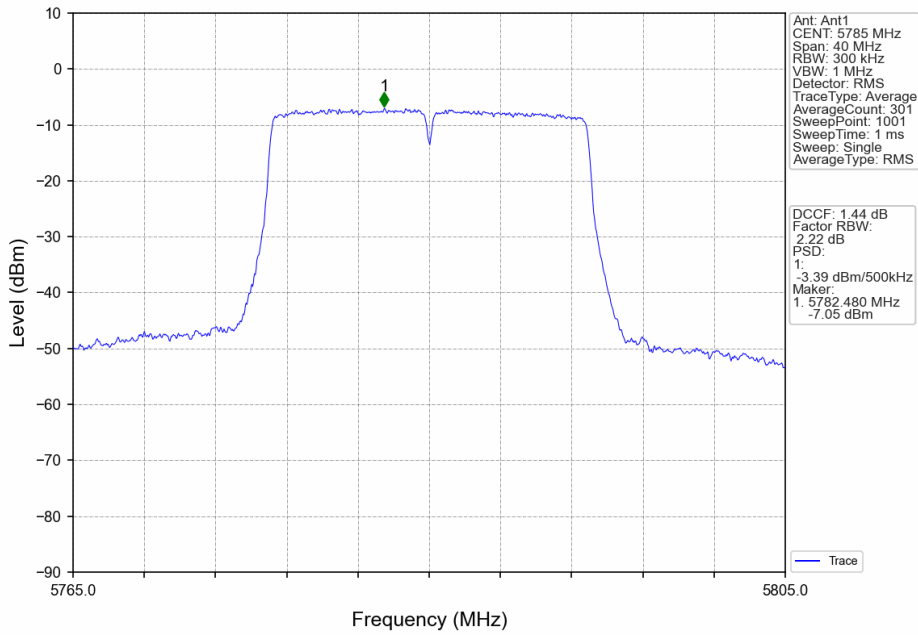
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV

