

Appendix B for KSCR220600092202

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.065	2.286	90.33	0.44	5.29
		5200	2.065	2.286	90.33	0.44	4.90
		5240	2.066	2.295	90.02	0.46	5.22
		5745	2.065	2.295	89.98	0.46	5.67
		5785	2.066	2.295	90.02	0.46	5.64
		5825	2.065	2.295	89.98	0.46	5.25
802.11n (HT20)	MIMO	5180	1.922	2.151	89.35	0.49	5.12
		5200	1.922	2.150	89.40	0.49	5.98
		5240	1.922	2.124	90.49	0.43	2.77
		5745	1.921	2.142	89.68	0.47	5.61
		5785	1.921	2.151	89.31	0.49	5.98
		5825	1.922	2.133	90.11	0.45	5.21
802.11n (HT40)	MIMO	5190	0.946	1.130	83.72	0.77	7.26
		5230	0.946	1.176	80.44	0.95	10.45
		5755	0.946	1.157	81.76	0.87	7.65
		5795	0.945	1.156	81.75	0.88	8.40
802.11ac (VHT20)	MIMO	5180	1.934	2.142	90.29	0.44	3.14
		5200	1.933	2.187	88.39	0.54	5.45
		5240	1.934	2.169	89.17	0.50	5.10
		5745	1.934	2.178	88.80	0.52	5.42
		5785	1.934	2.187	88.43	0.53	5.41
		5825	1.933	2.186	88.43	0.53	5.38
802.11ac (VHT40)	MIMO	5190	0.954	1.198	79.63	0.99	9.36
		5230	0.953	1.207	78.96	1.03	7.78
		5755	0.954	1.207	79.04	1.02	9.24
		5795	0.953	1.188	80.22	0.96	6.56
802.11ac (VHT80)	MIMO	5210	0.461	0.706	65.30	1.85	11.82
		5775	0.461	0.911	50.60	2.96	26.61



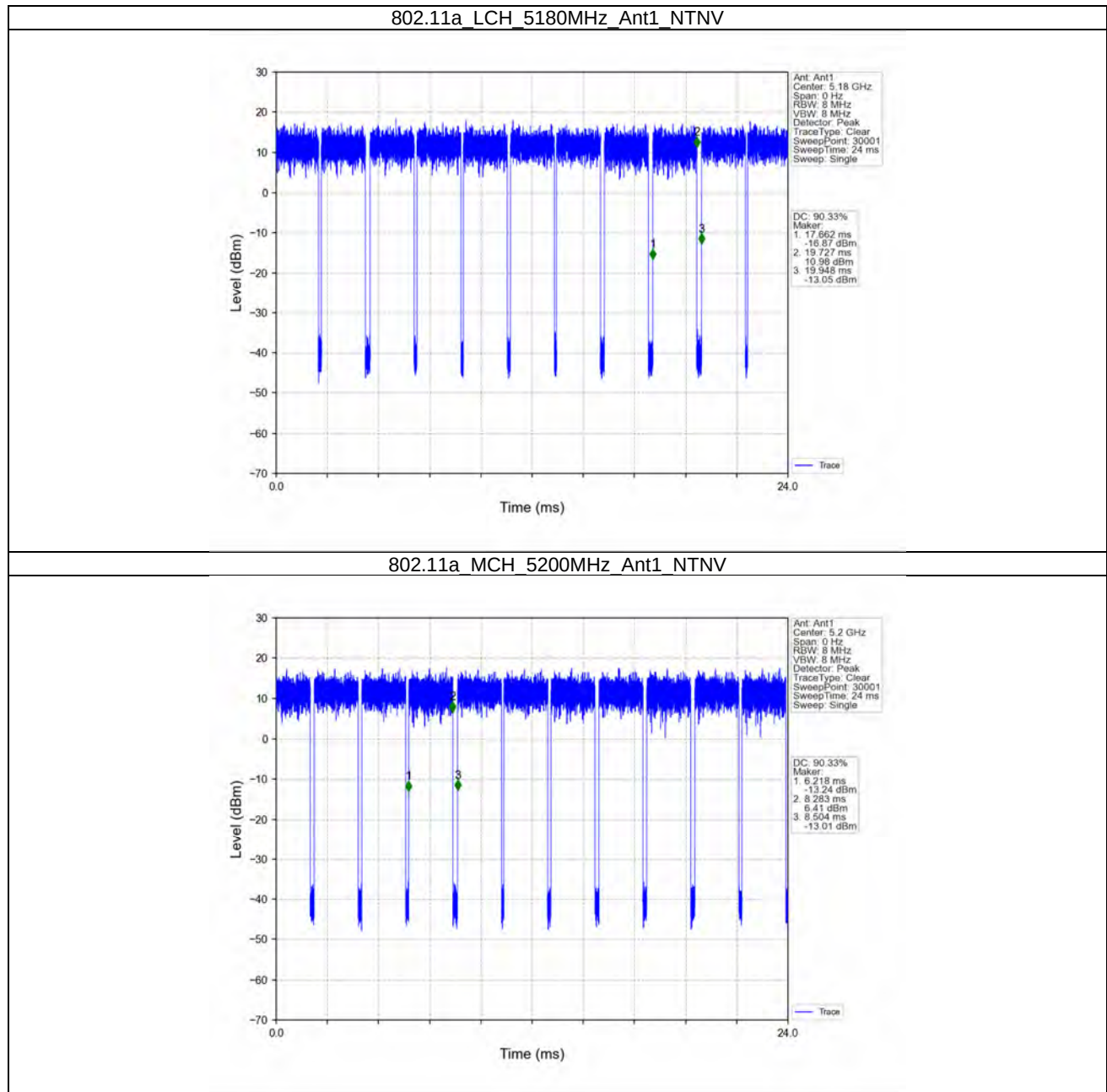
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1.1.2 Test Graph



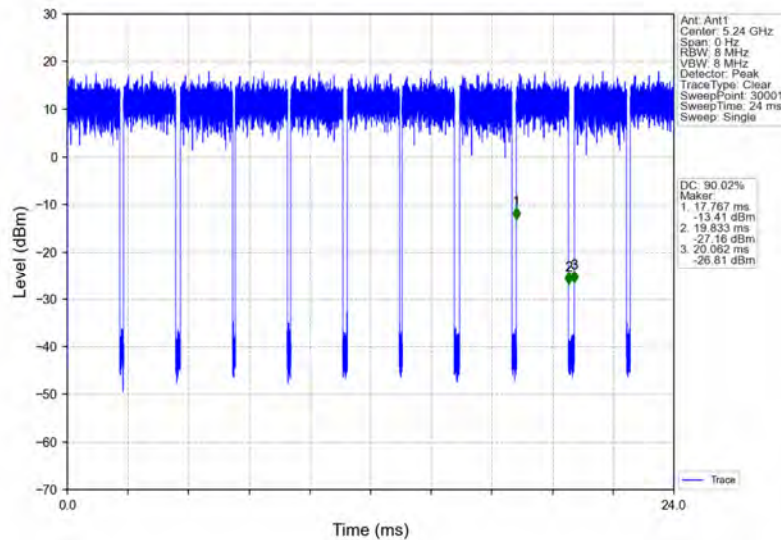
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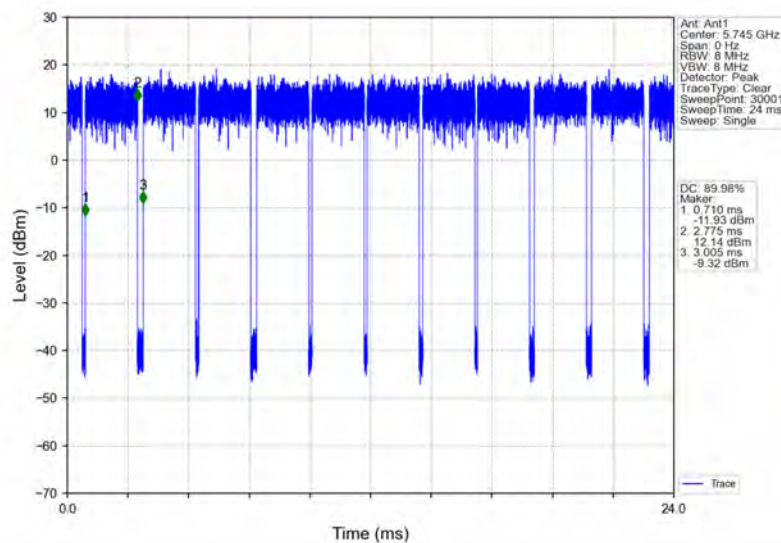
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



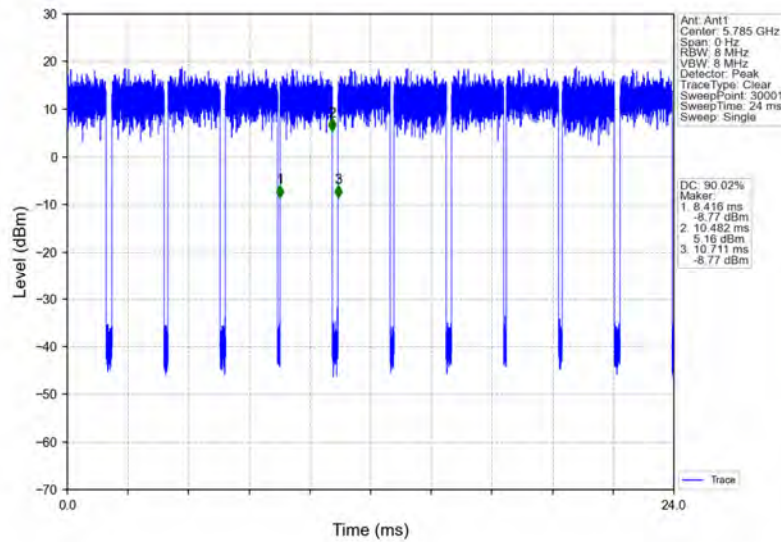
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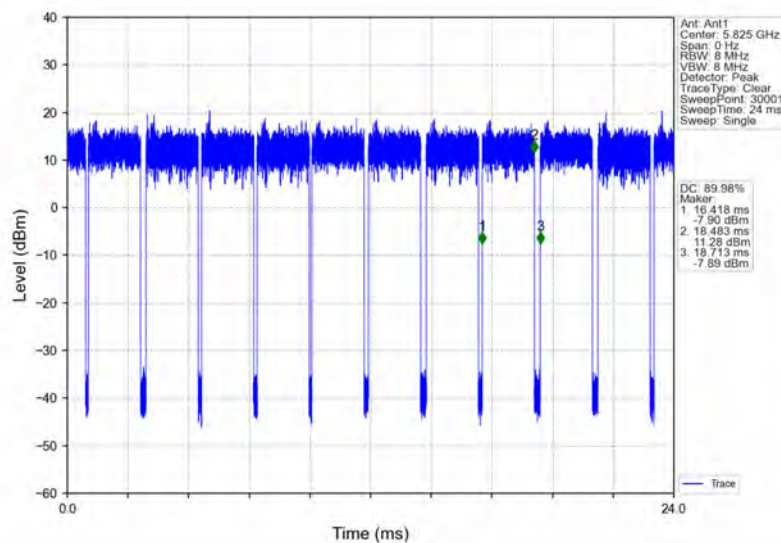
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



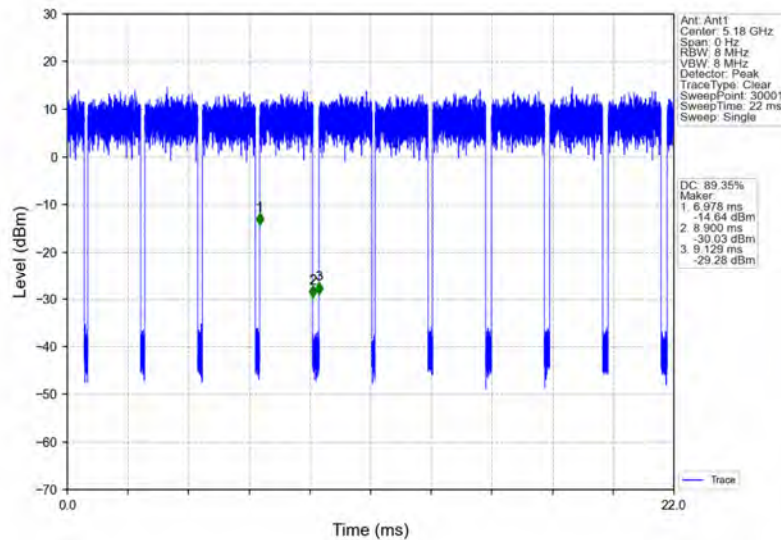
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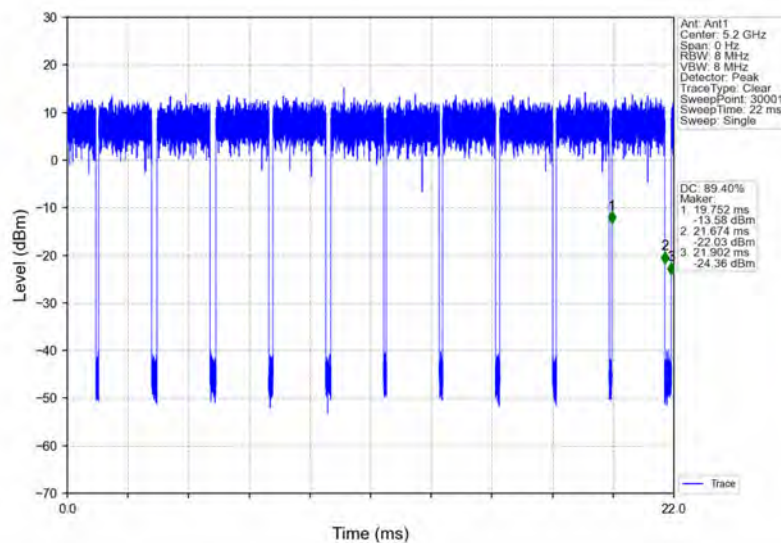
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



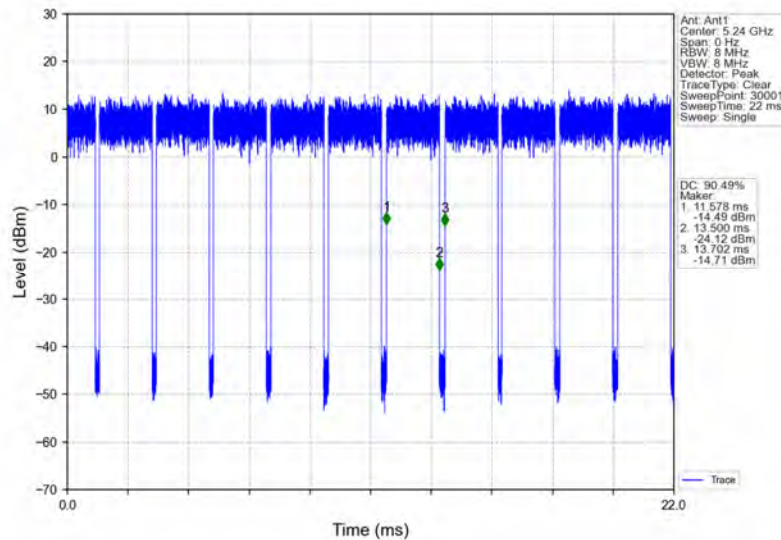
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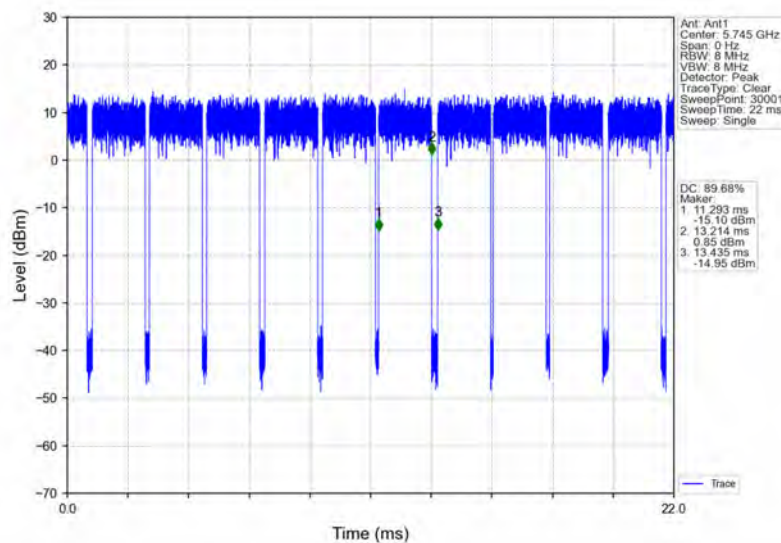
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



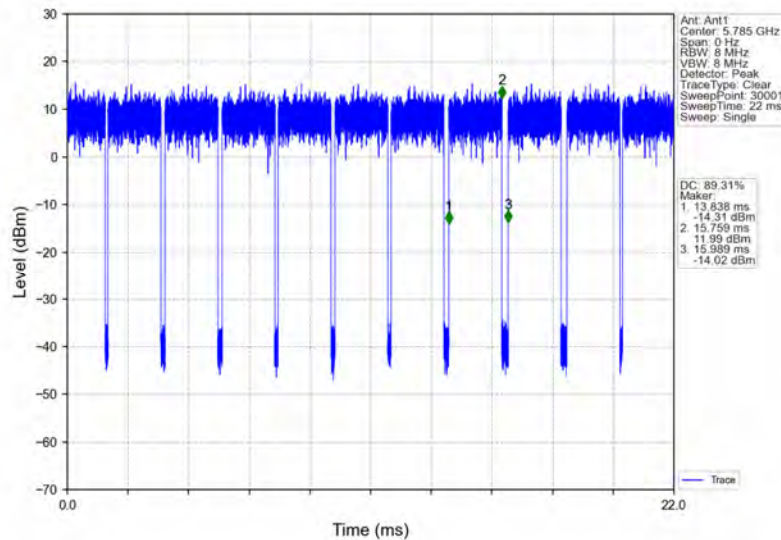
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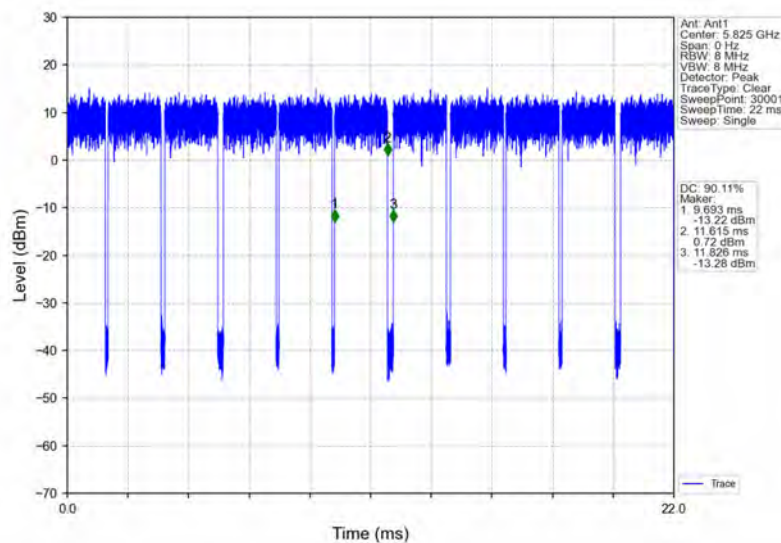
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



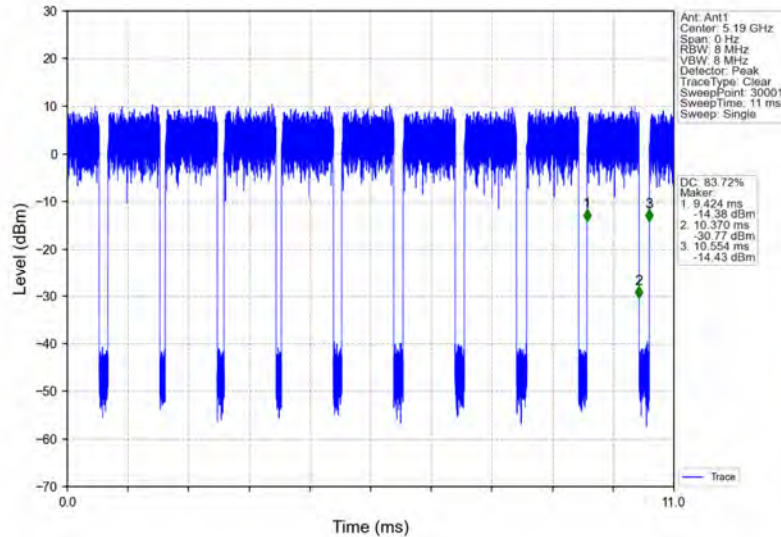
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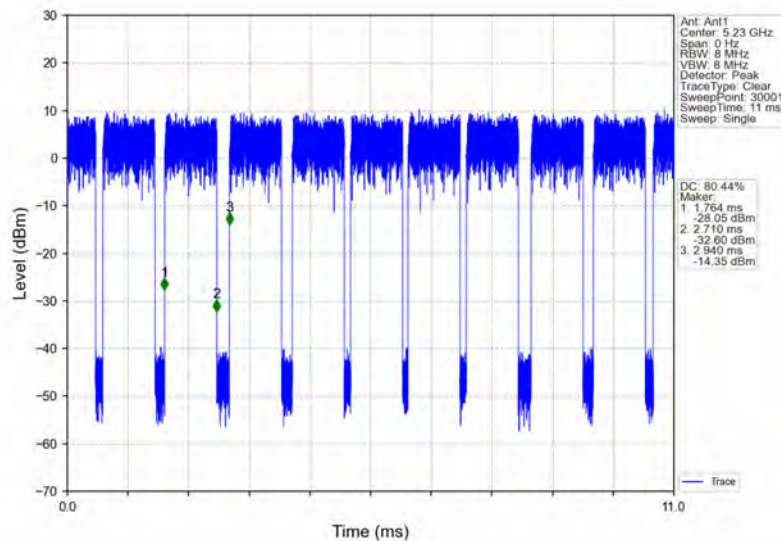
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



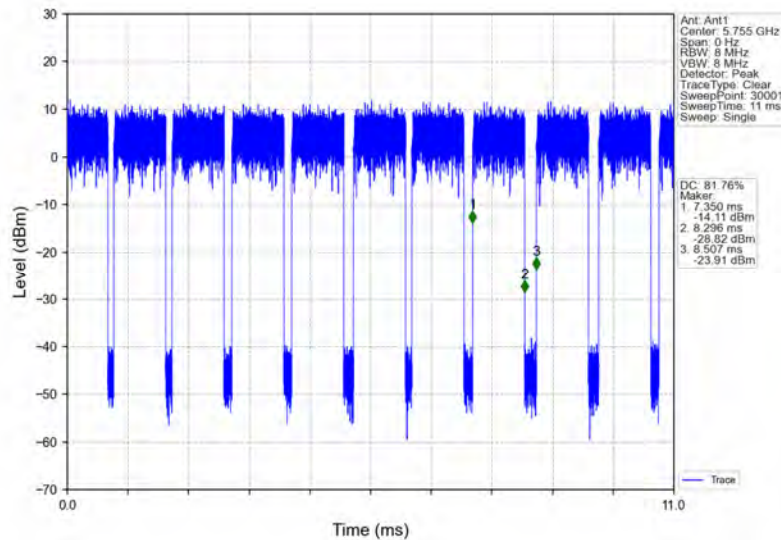
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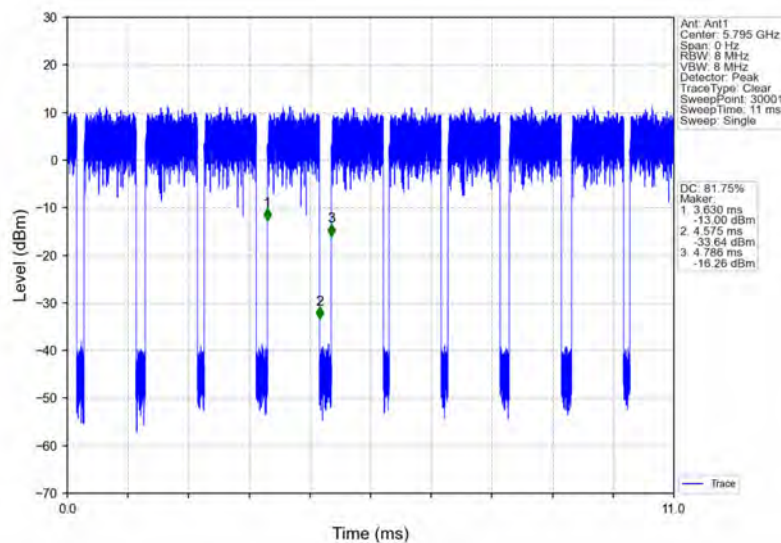
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



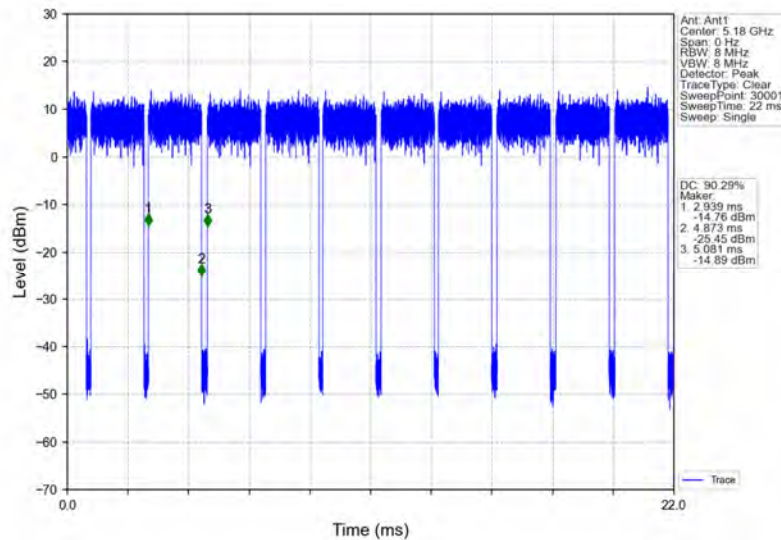
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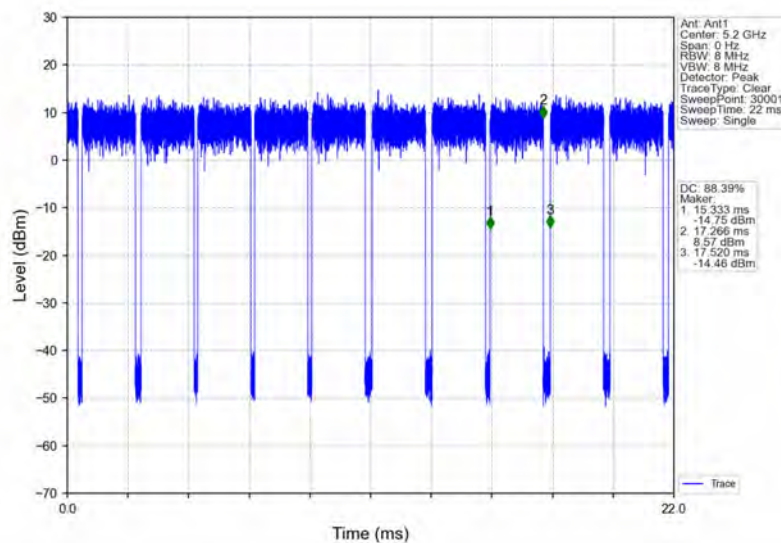
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



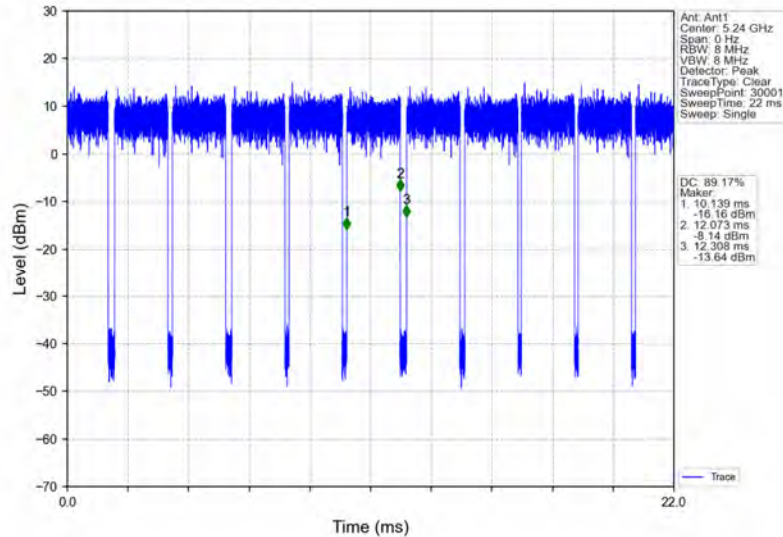
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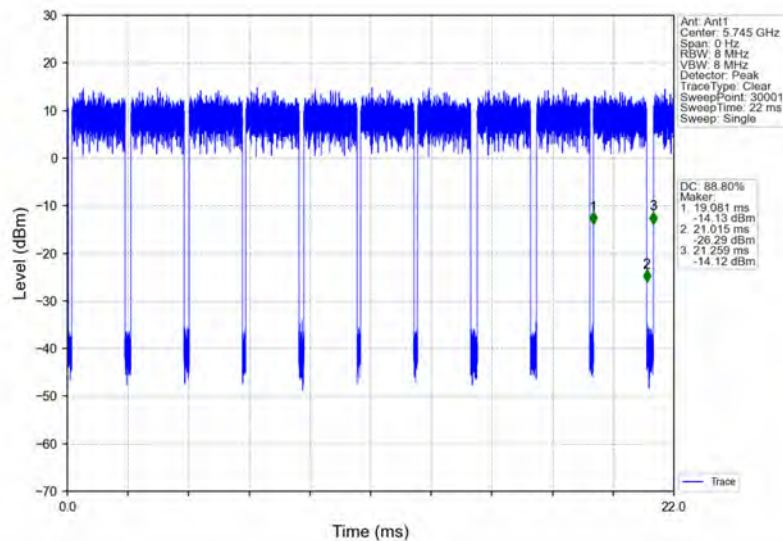
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



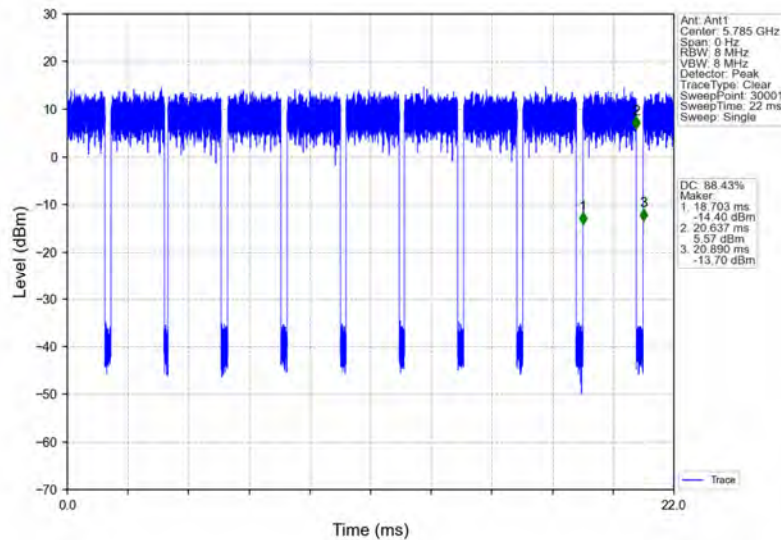
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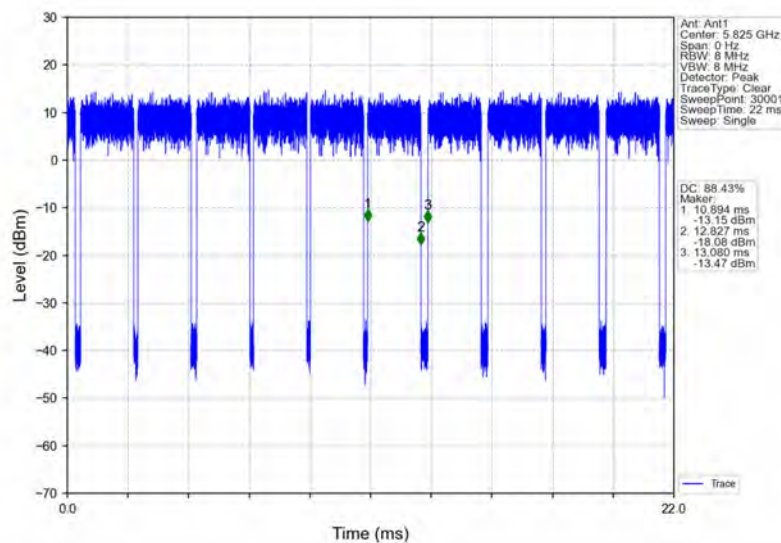
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



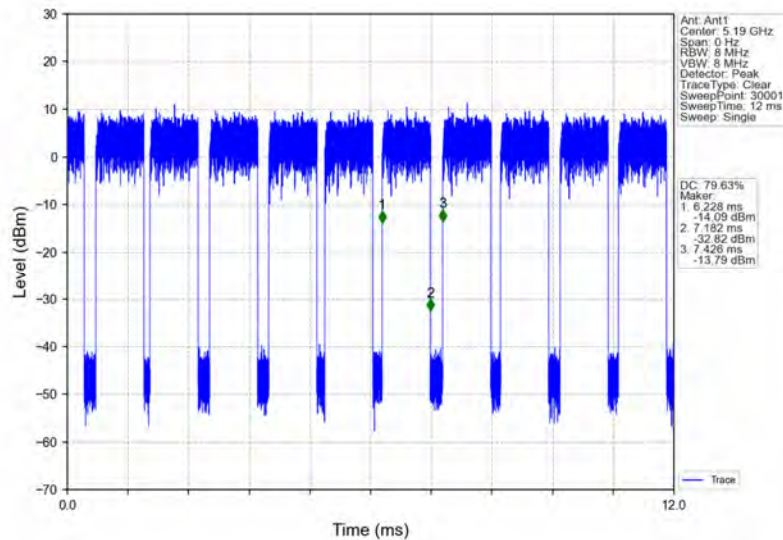
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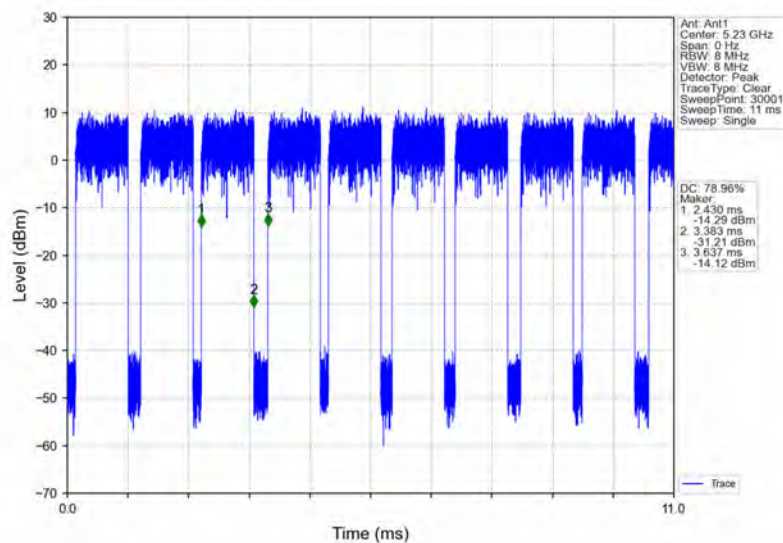
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



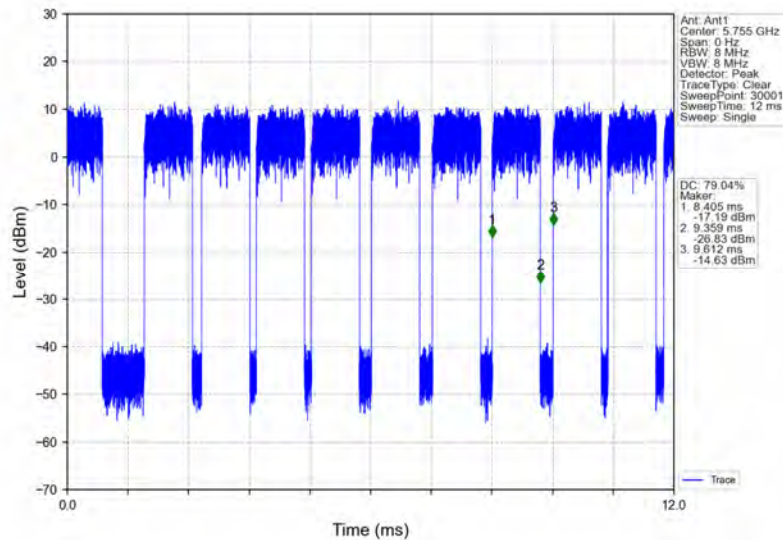
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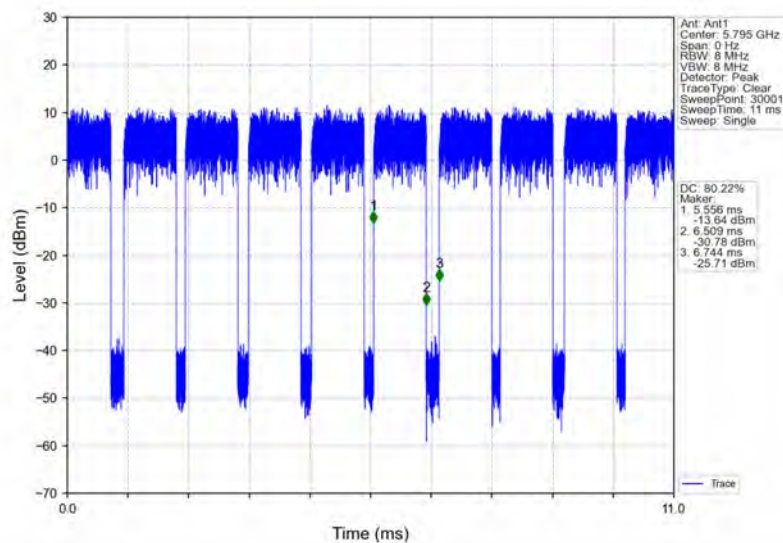
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



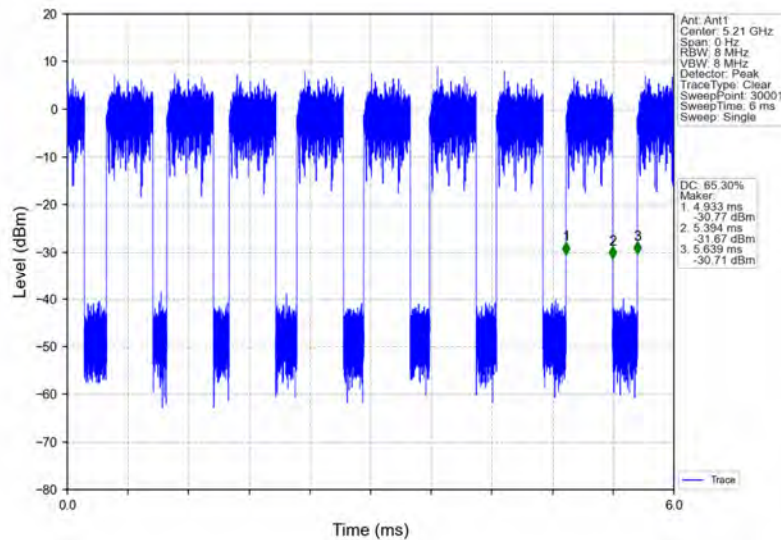
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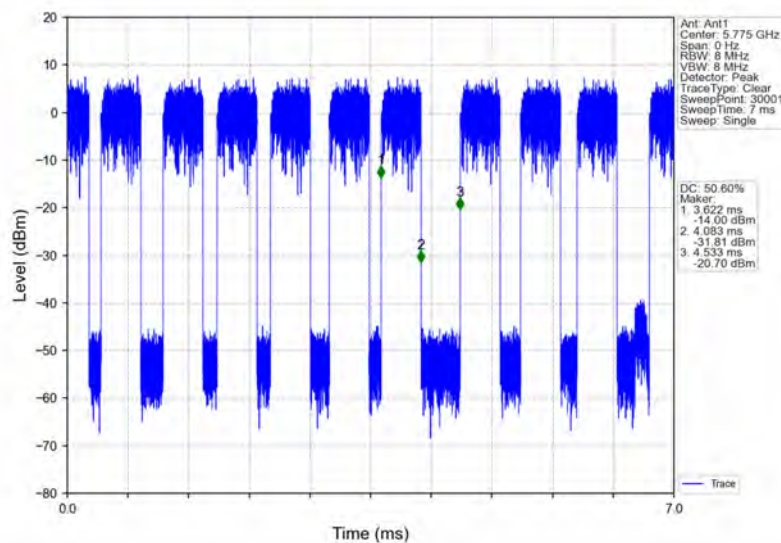
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	16.729	Pass
			2	16.677	Pass
		5200	1	16.678	Pass
			2	16.754	Pass
		5240	1	16.729	Pass
			2	16.685	Pass
		5745	1	16.687	Pass
			2	16.699	Pass
		5785	1	16.724	Pass
			2	16.703	Pass
		5825	1	16.706	Pass
			2	16.693	Pass
802.11n (HT20)	MIMO	5180	1	17.804	Pass
			2	17.789	Pass
		5200	1	17.789	Pass
			2	17.795	Pass
		5240	1	17.776	Pass
			2	17.774	Pass
		5745	1	17.788	Pass
			2	17.789	Pass
		5785	1	17.777	Pass
			2	17.762	Pass
		5825	1	17.763	Pass
			2	17.759	Pass
802.11n (HT40)	MIMO	5190	1	36.653	Pass
			2	36.728	Pass
		5230	1	36.543	Pass
			2	36.640	Pass
		5755	1	36.492	Pass
			2	36.672	Pass
		5795	1	36.586	Pass
			2	36.633	Pass
		5180	1	17.798	Pass
			2	17.777	Pass
802.11ac (VHT20)	MIMO	5200	1	17.837	Pass
			2	17.823	Pass
		5240	1	17.781	Pass
			2	17.789	Pass
		5745	1	17.818	Pass
			2	17.818	Pass
		5785	1	17.782	Pass
			2	17.770	Pass
		5825	1	17.791	Pass
			2	17.772	Pass
802.11ac	MIMO	5190	1	36.687	Pass



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(VHT40)		5230	2	36.723	Pass
			1	36.375	Pass
			2	36.365	Pass
		5755	1	36.566	Pass
			2	36.545	Pass
		5795	1	36.512	Pass
			2	36.543	Pass
802.11ac (VHT80)	MIMO	5210	1	75.283	Pass
			2	75.104	Pass
		5775	1	75.033	Pass
			2	75.010	Pass



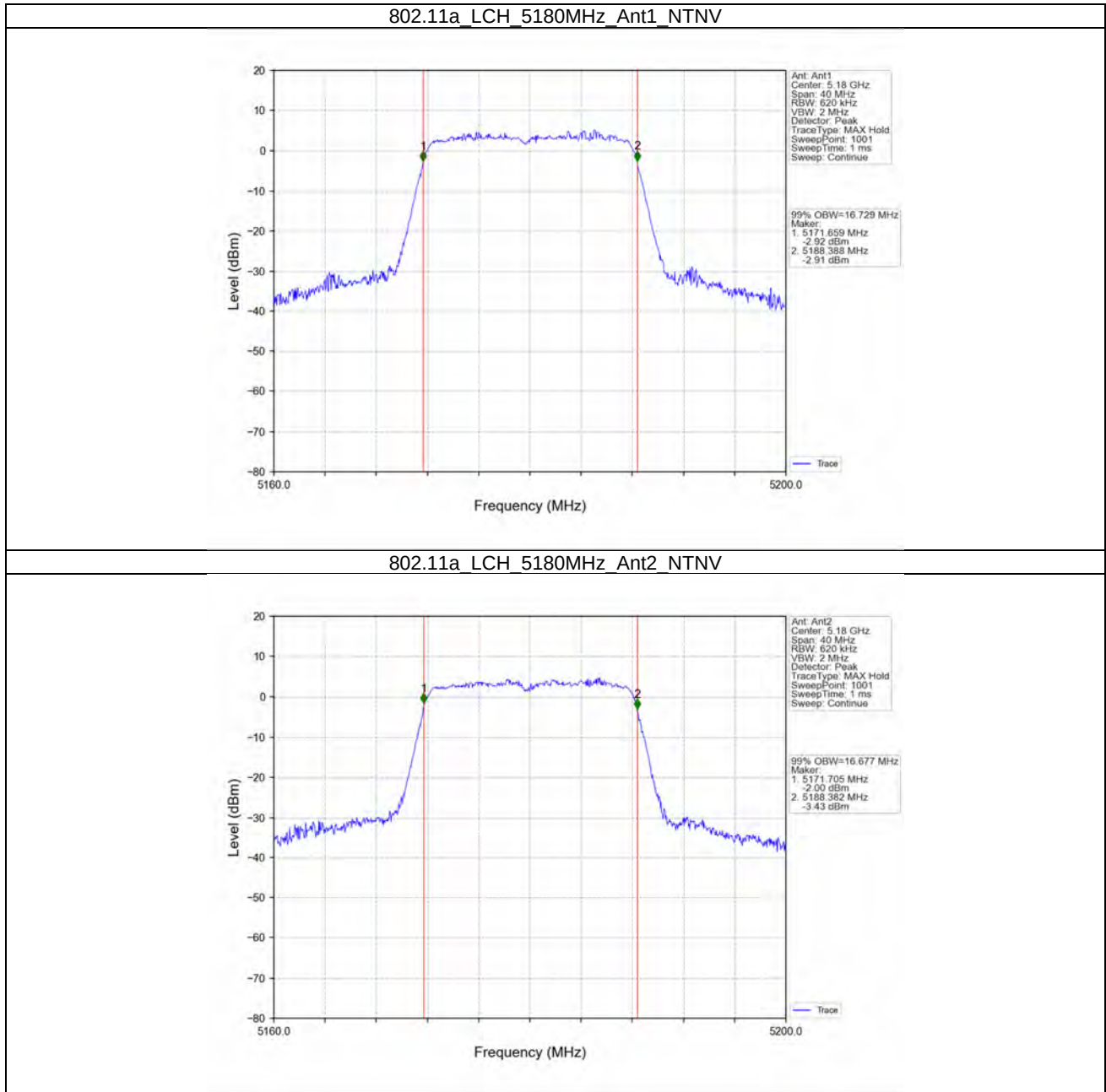
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2.1.2 Test Graph



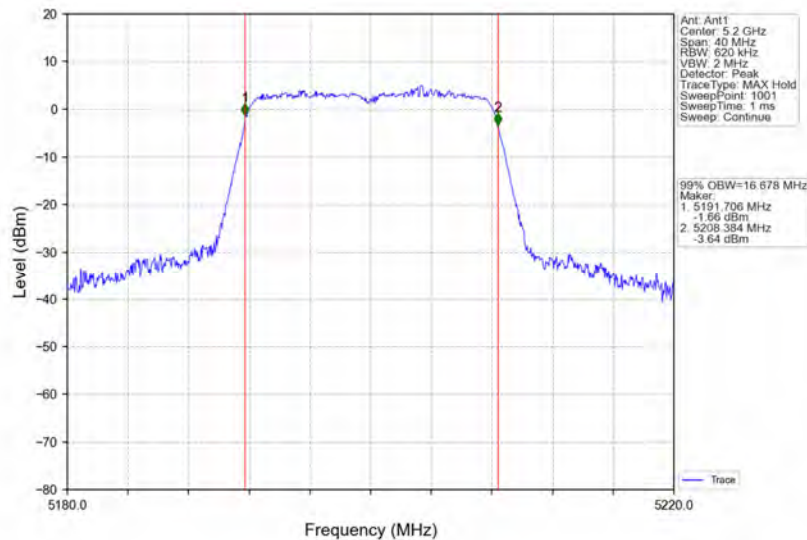
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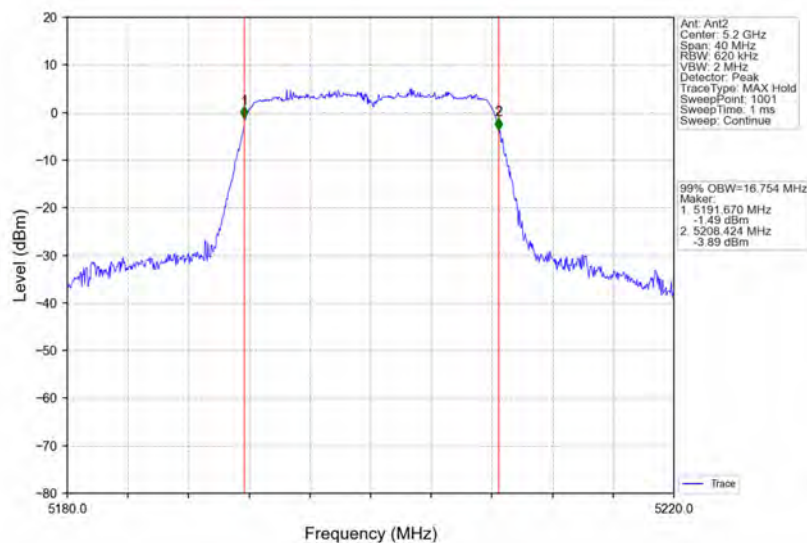
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



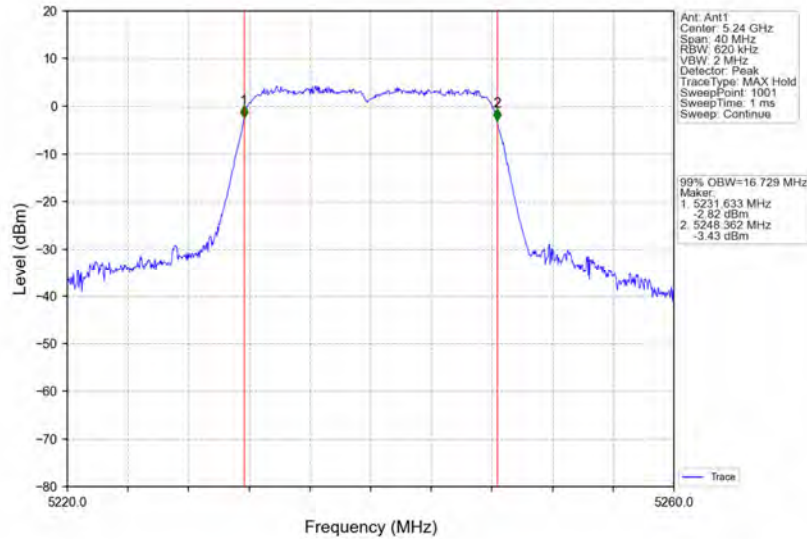
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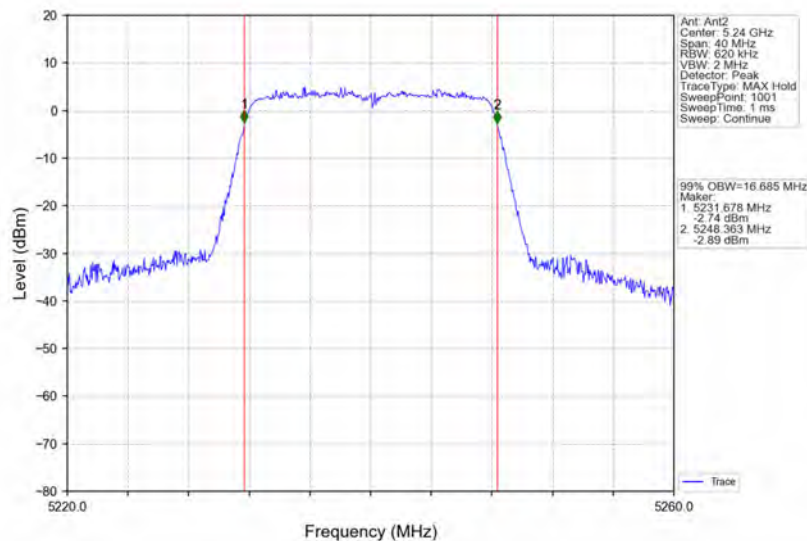
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802.11a_HCH_5240MHz_Ant2_NTNV



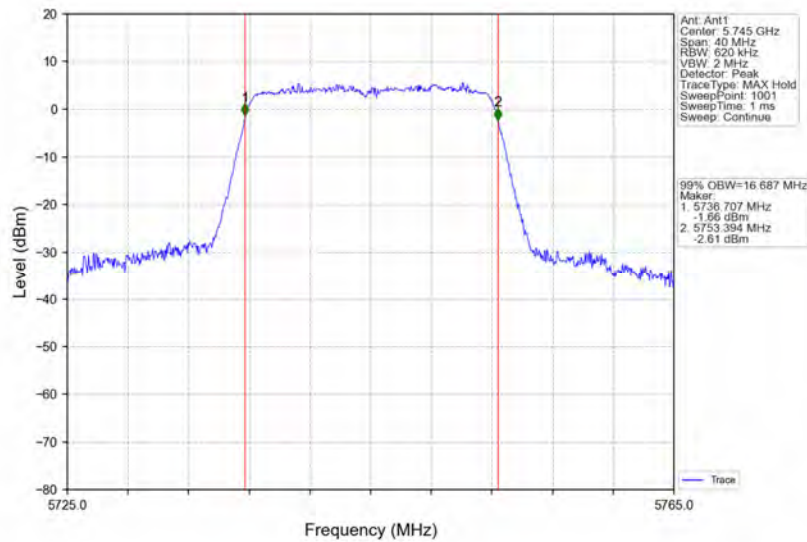
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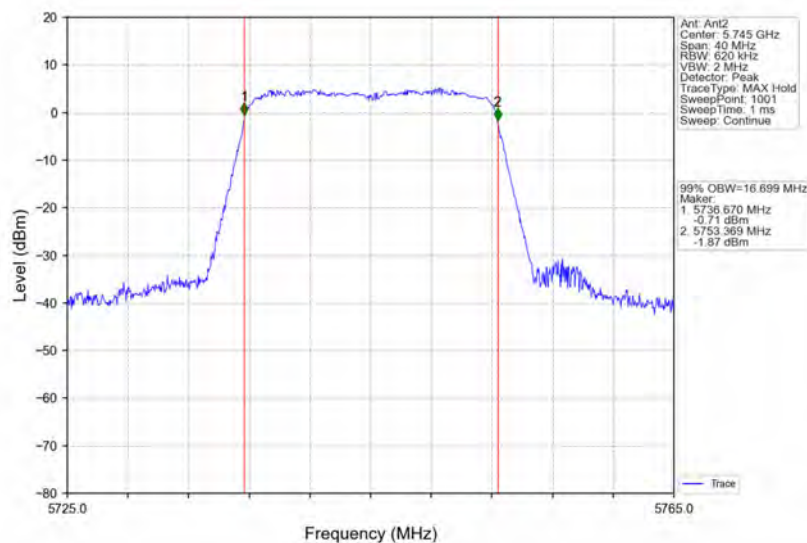
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802.11a_LCH_5745MHz_Ant2_NTNV



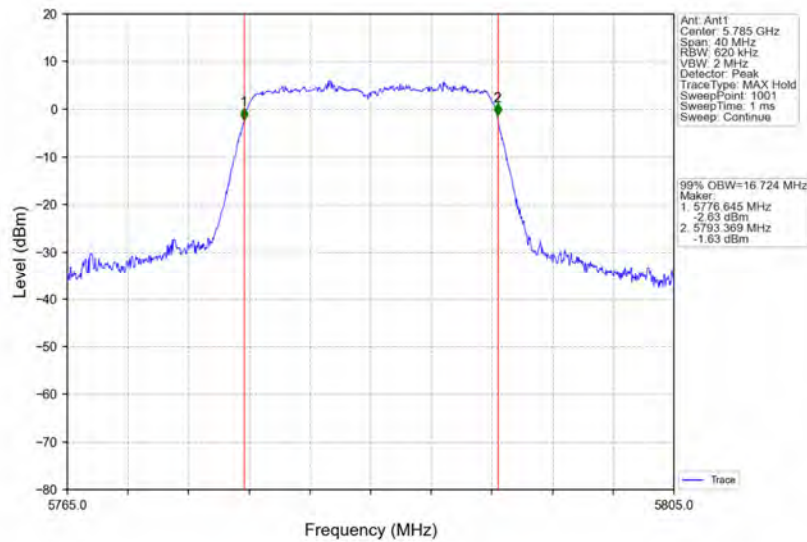
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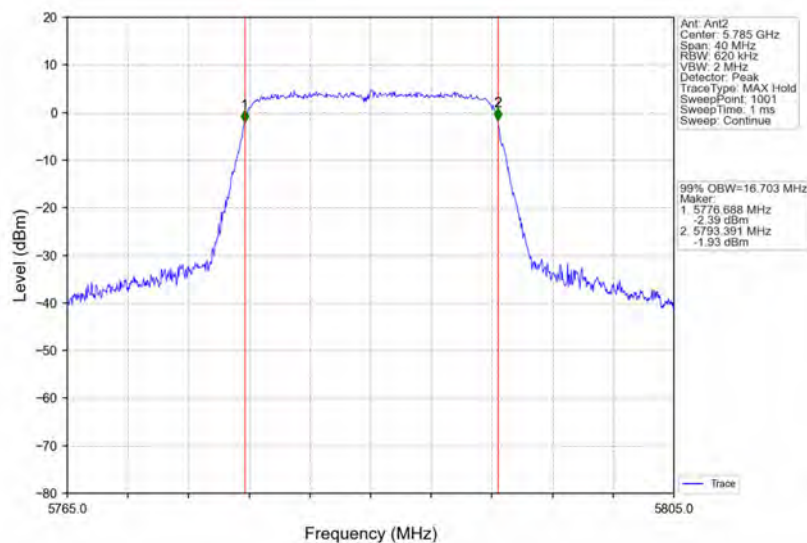
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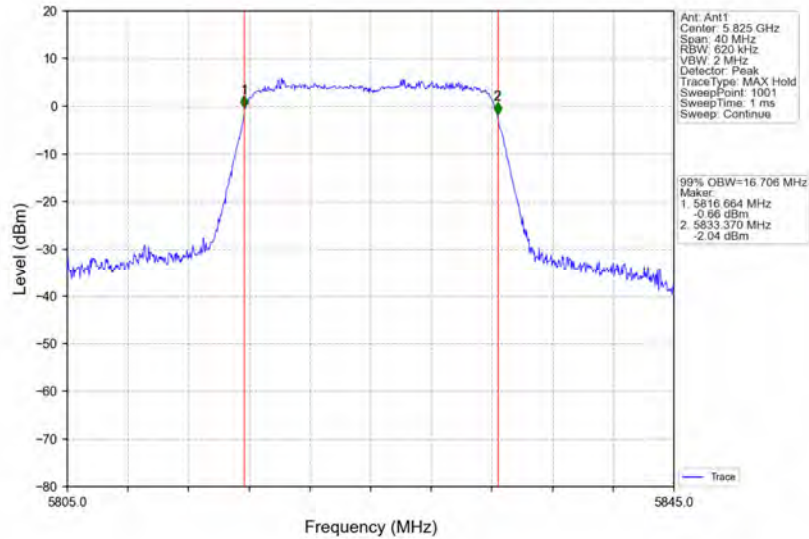
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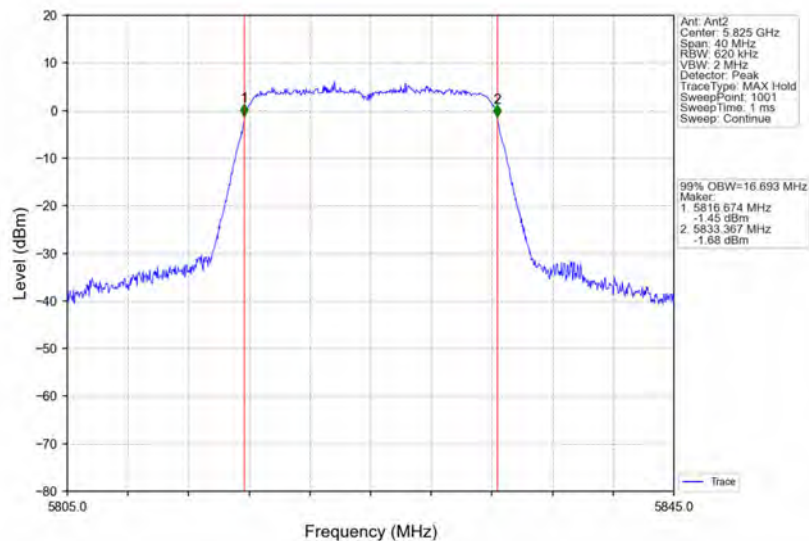
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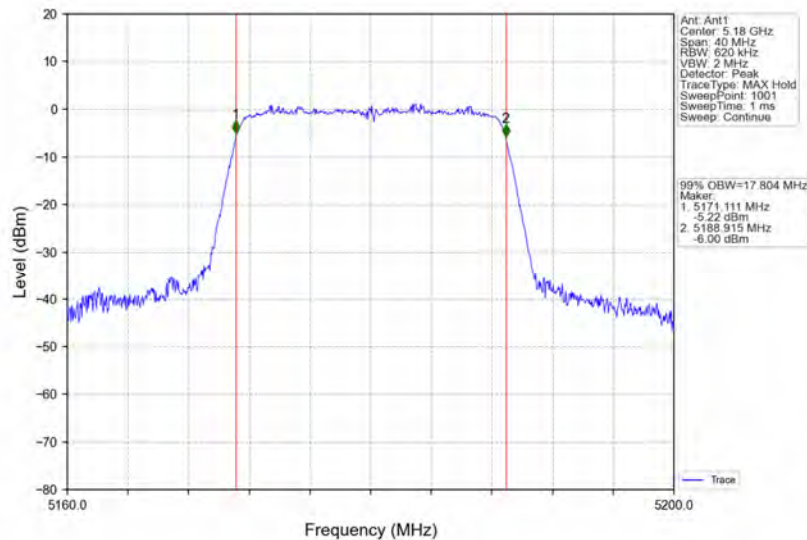
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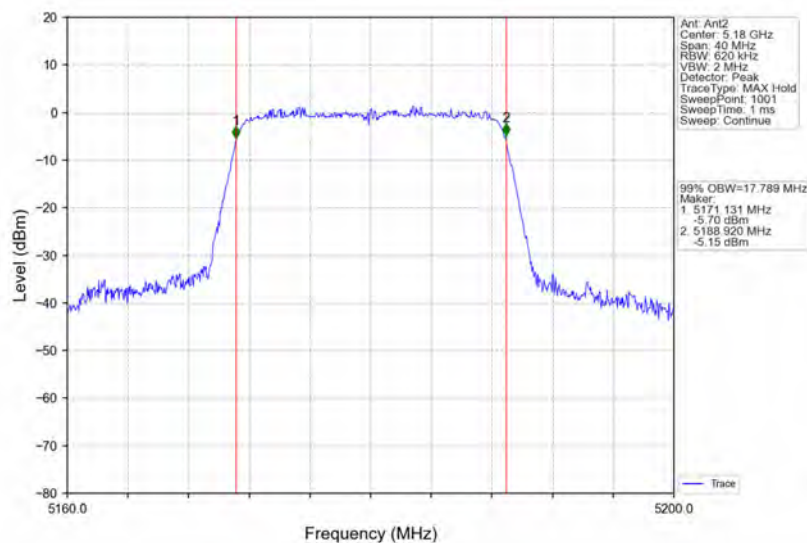
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802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



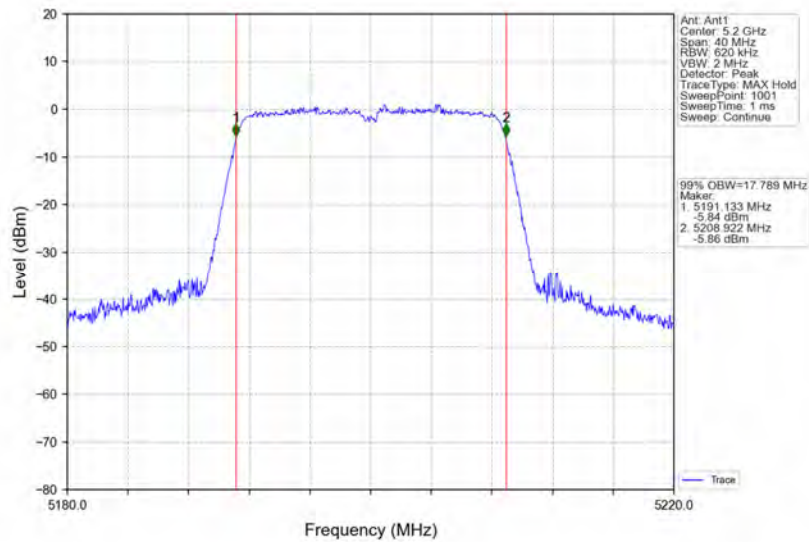
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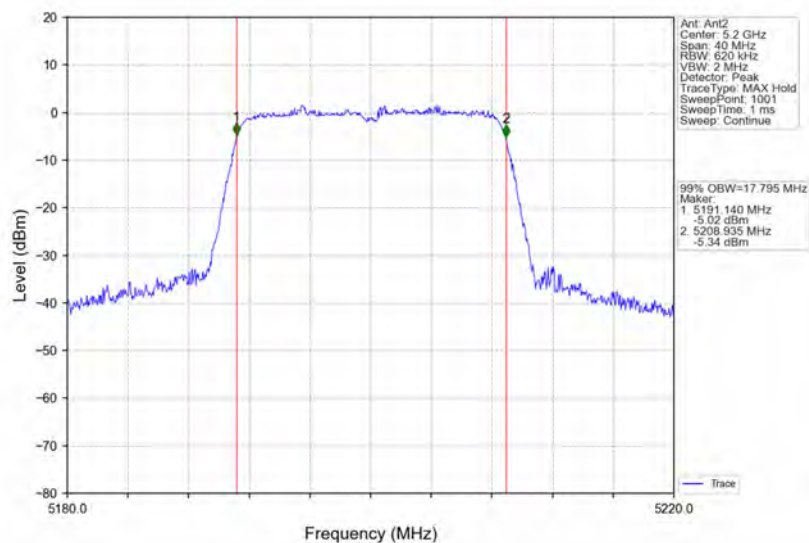
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



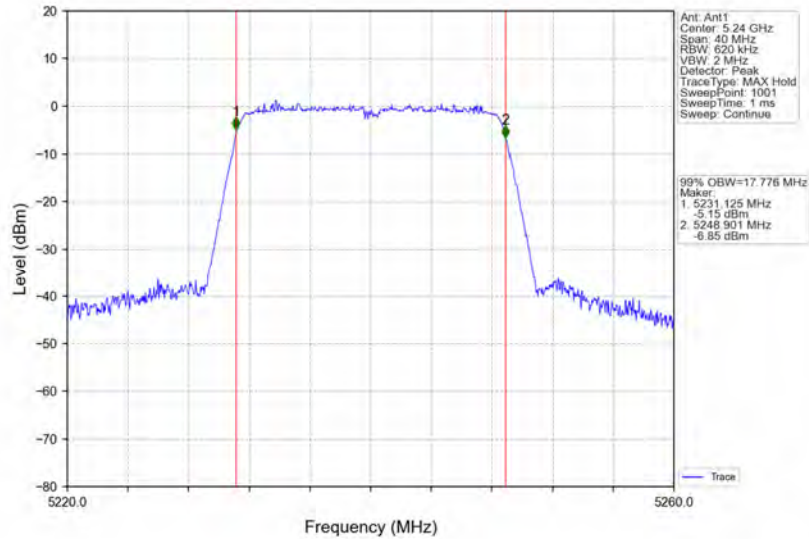
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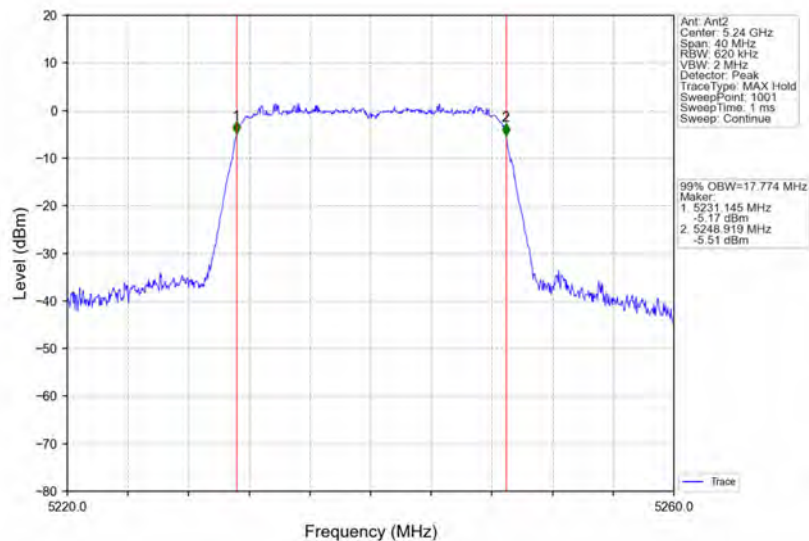
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



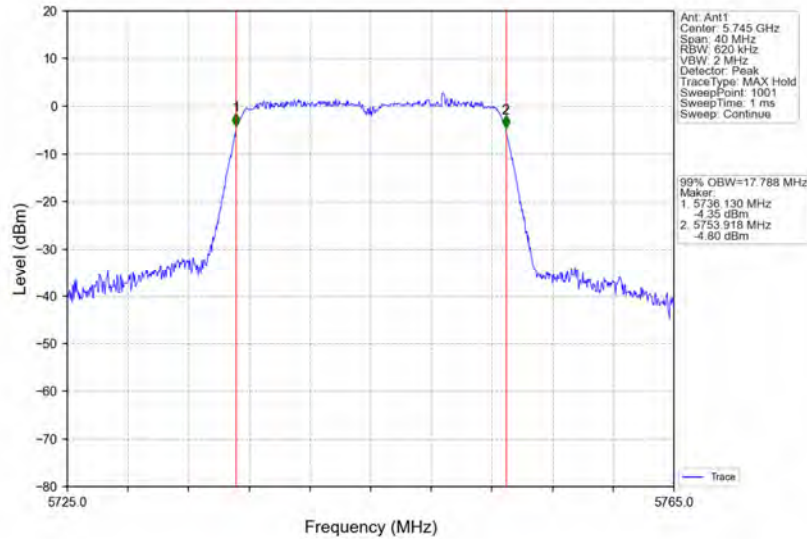
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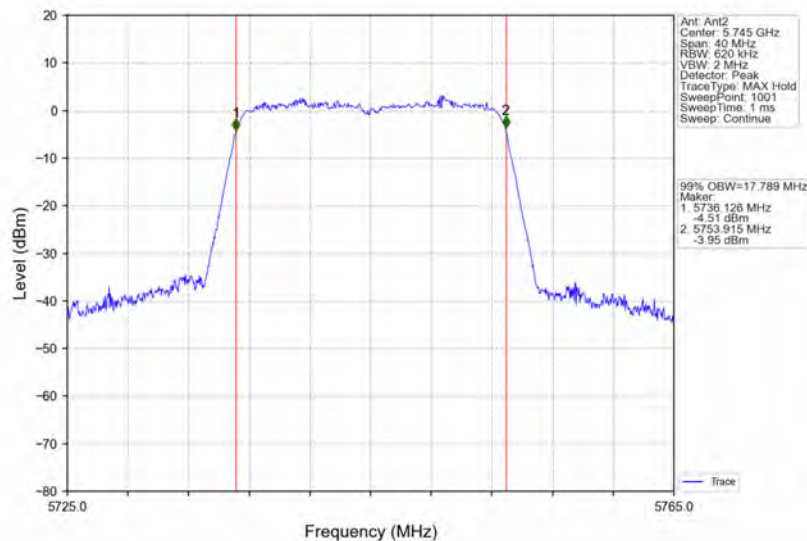
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



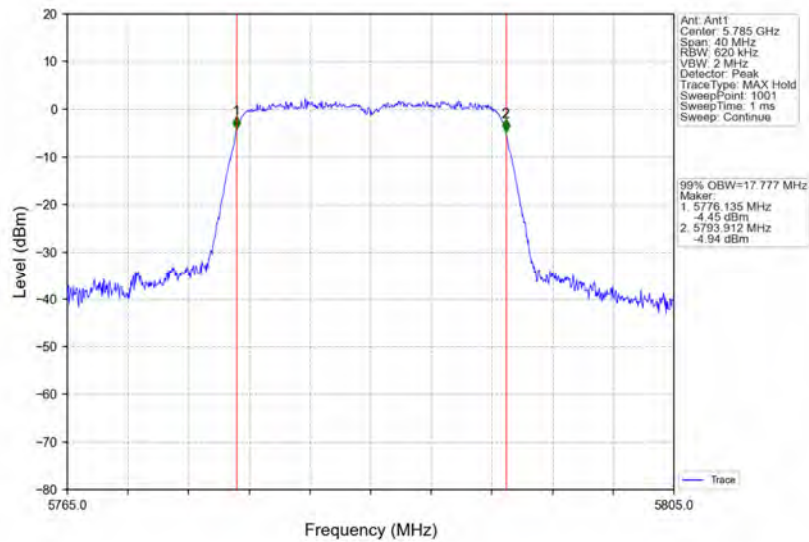
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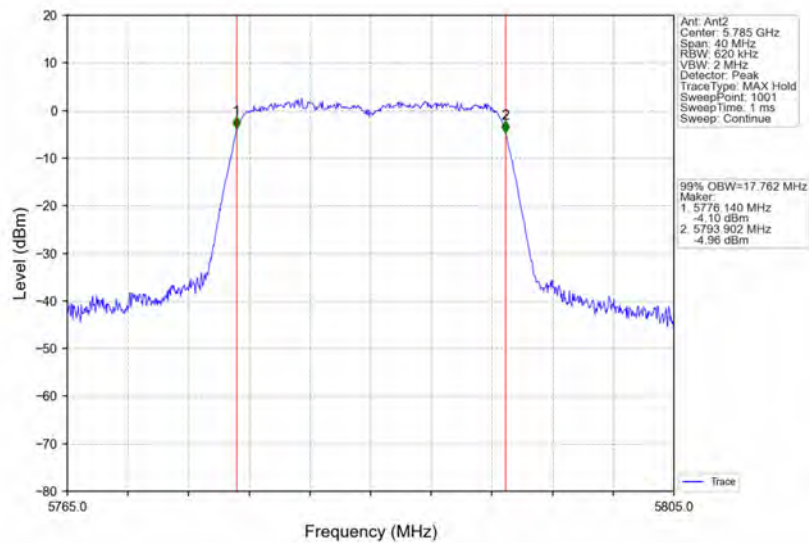
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



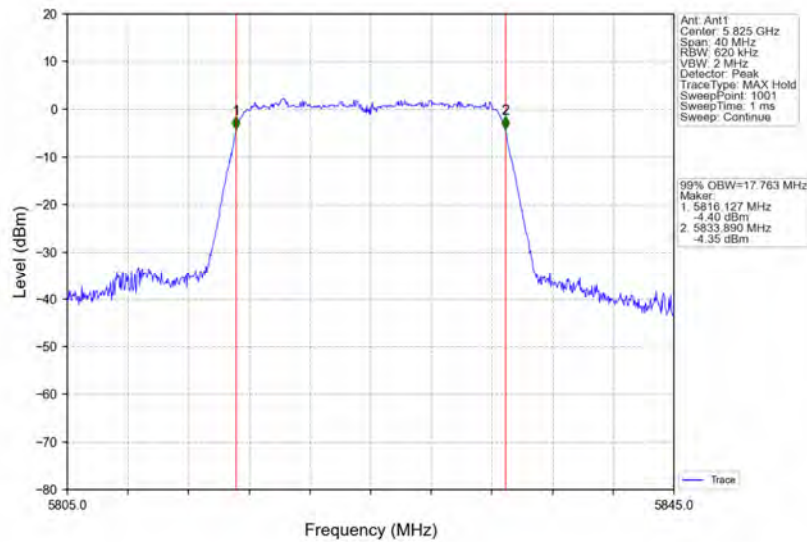
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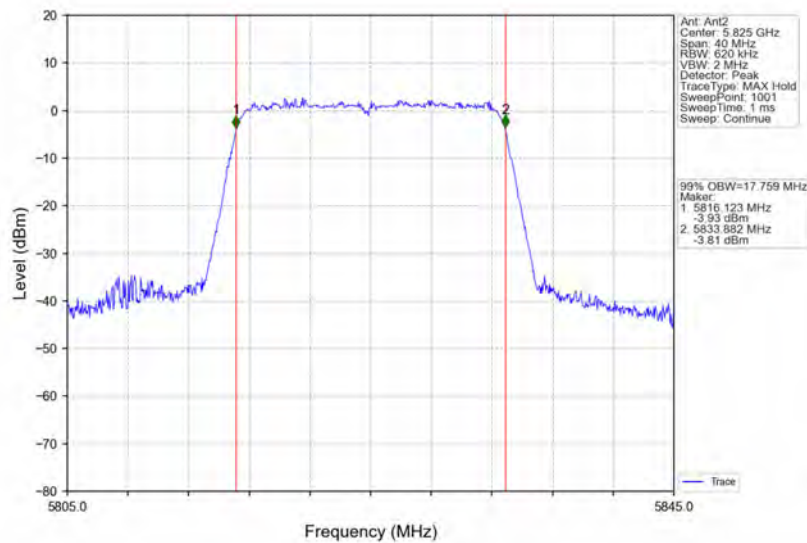
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



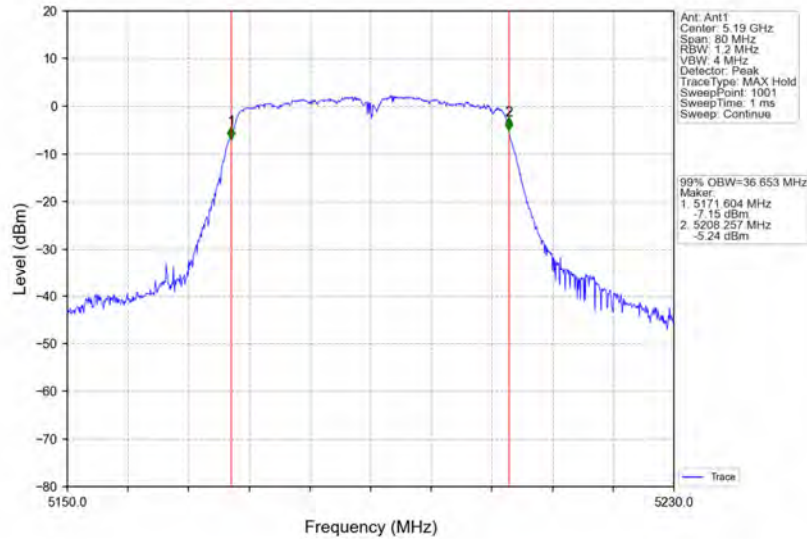
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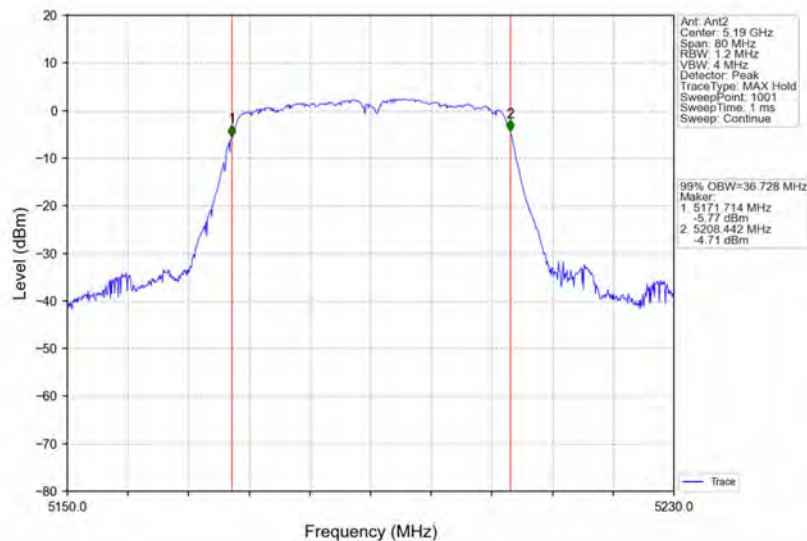
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



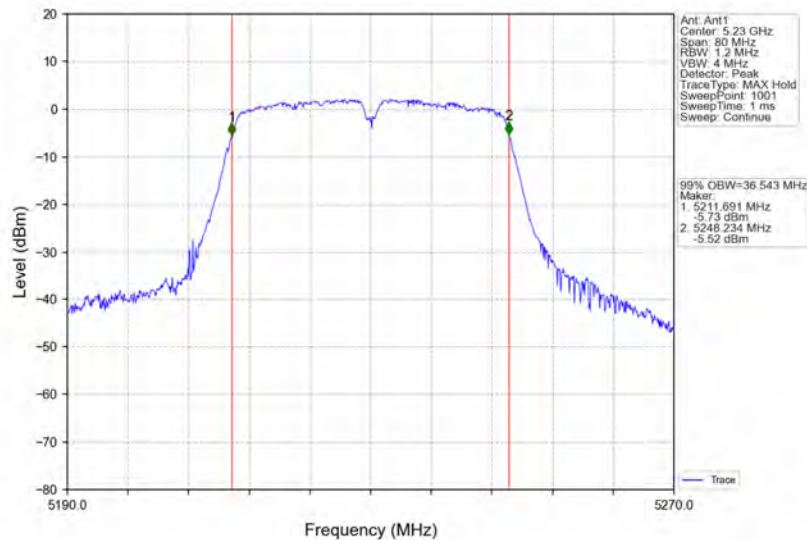
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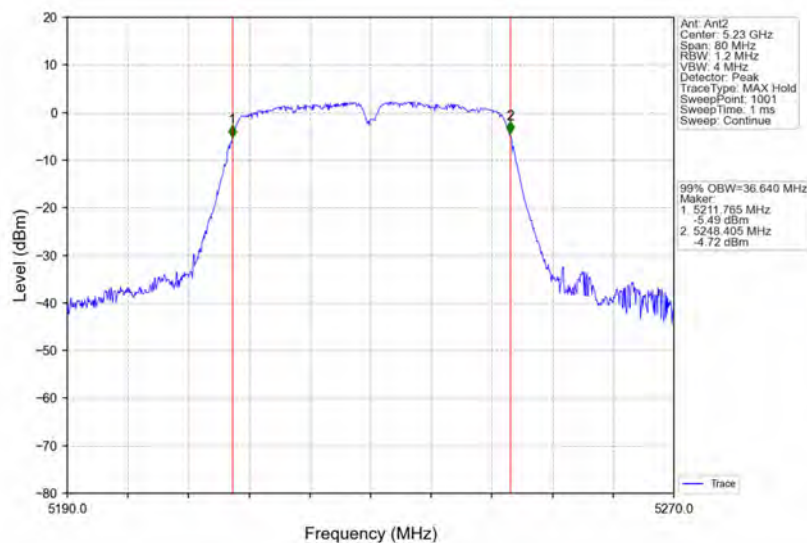
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802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



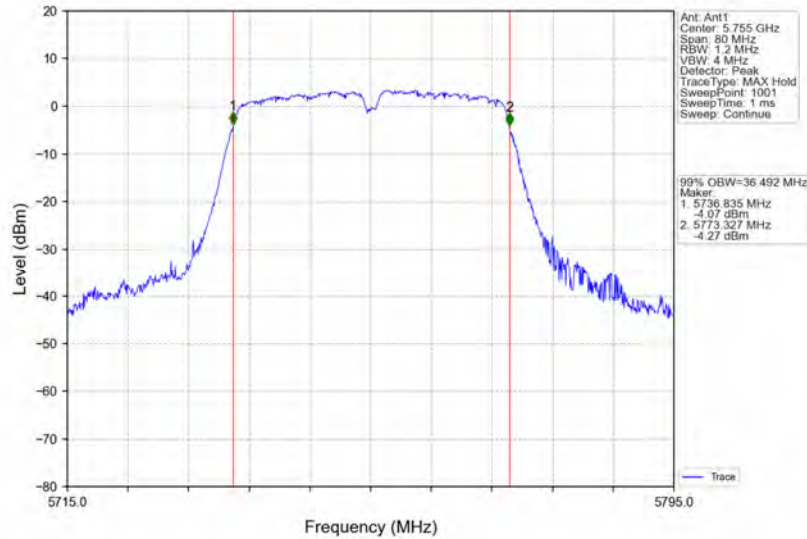
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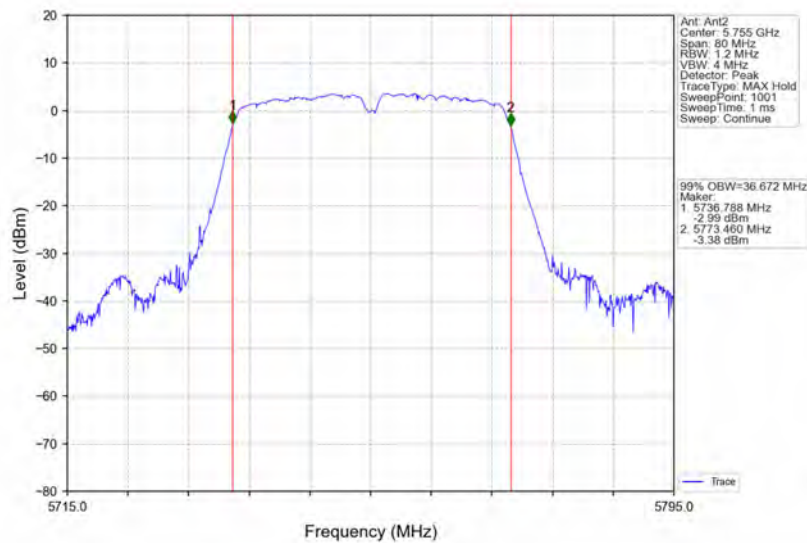
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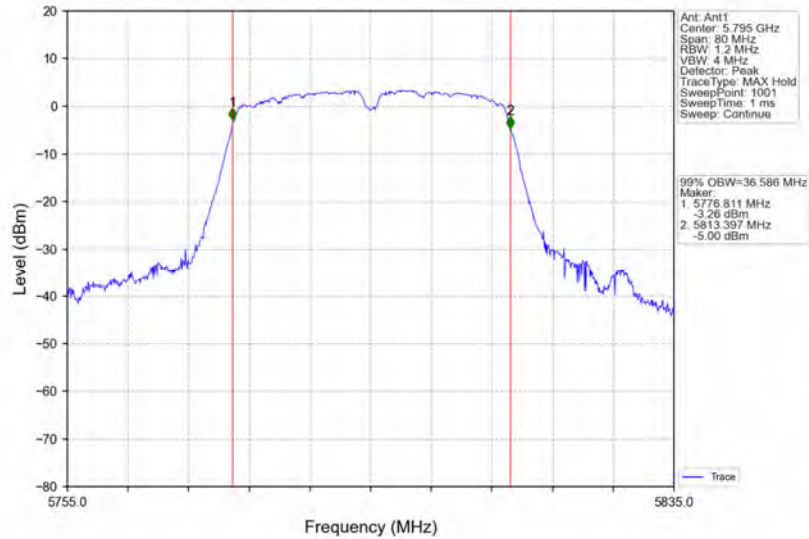
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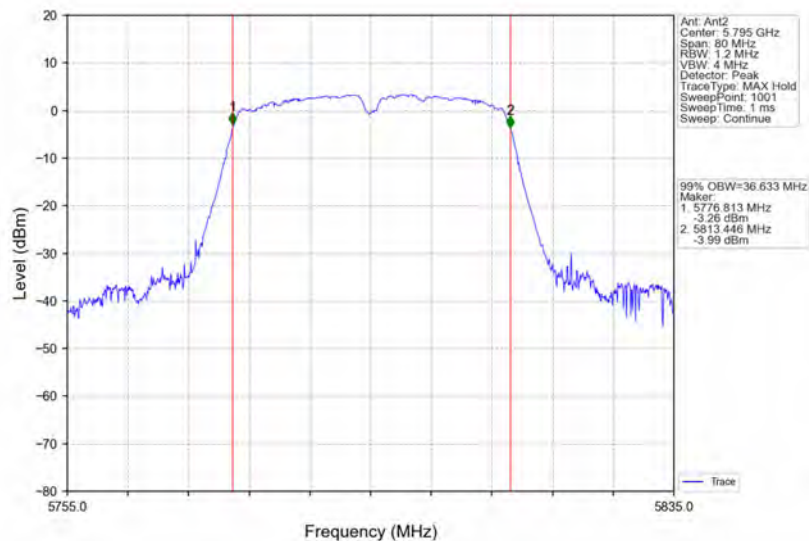
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



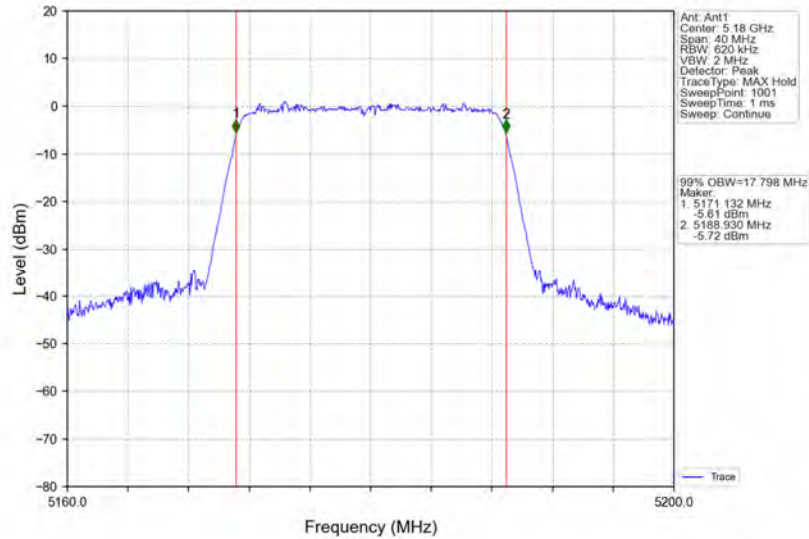
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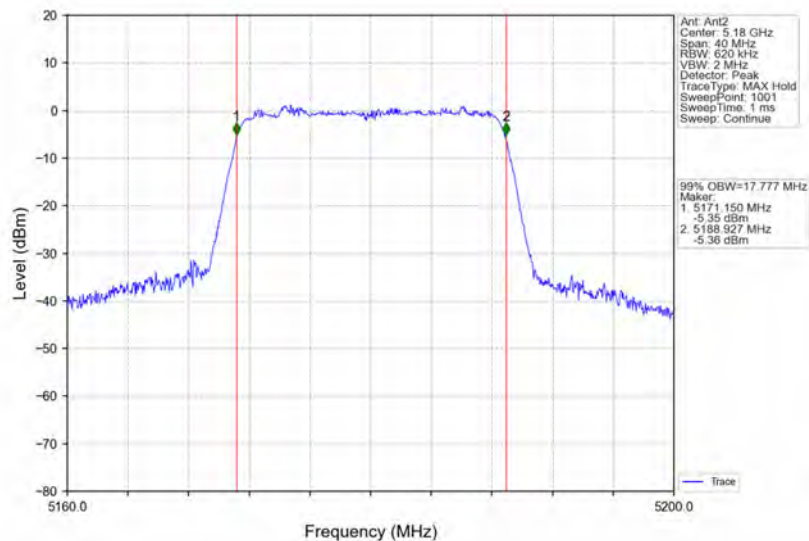
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



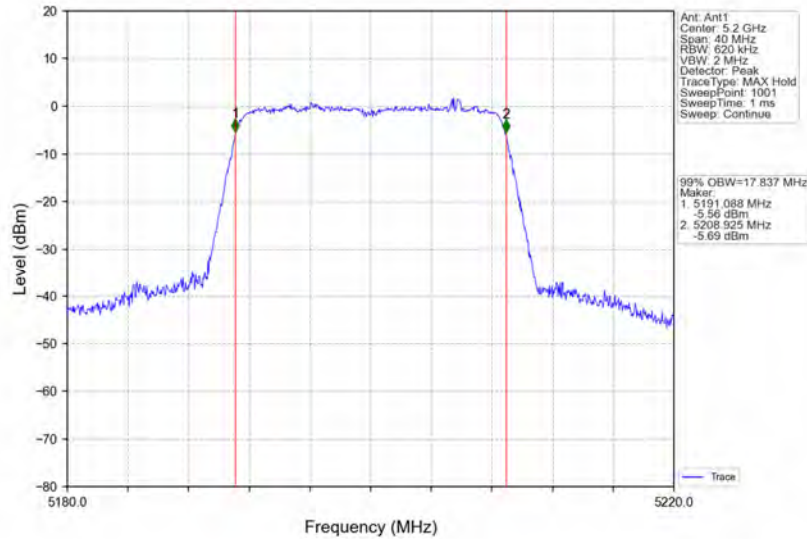
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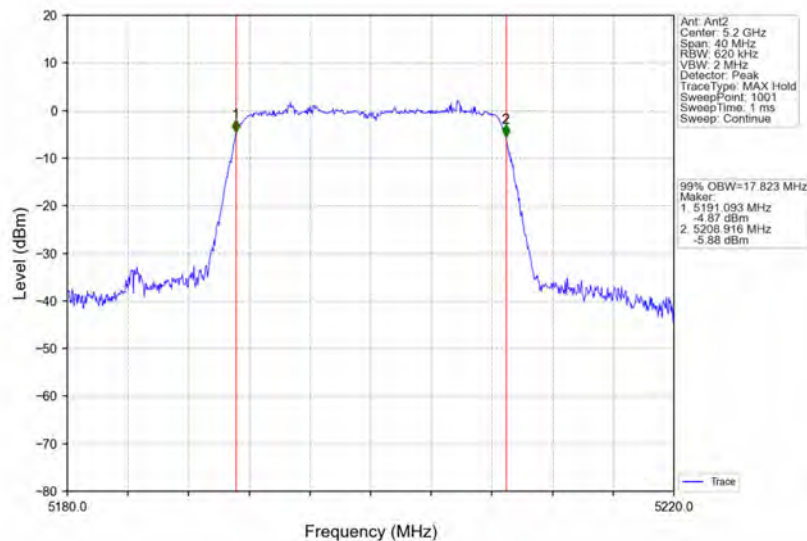
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



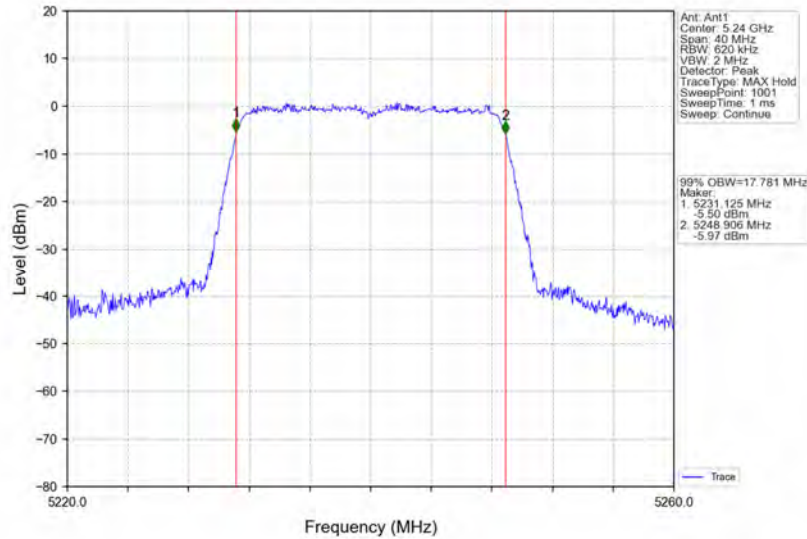
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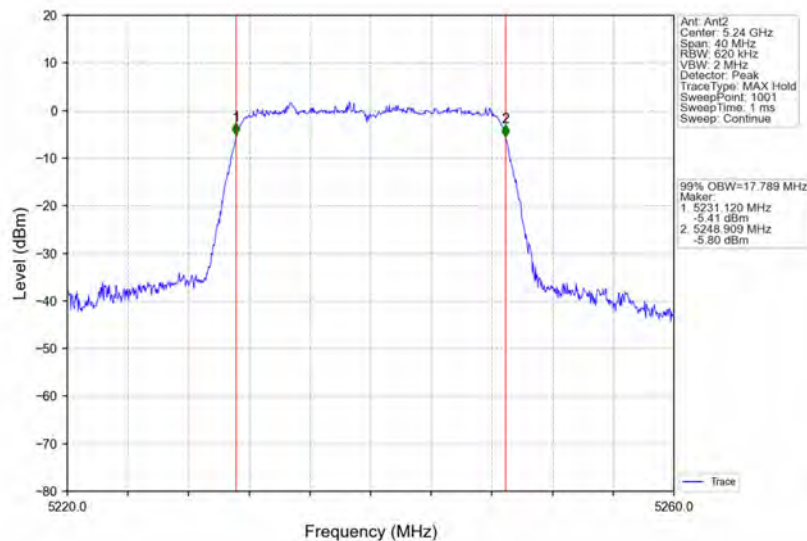
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



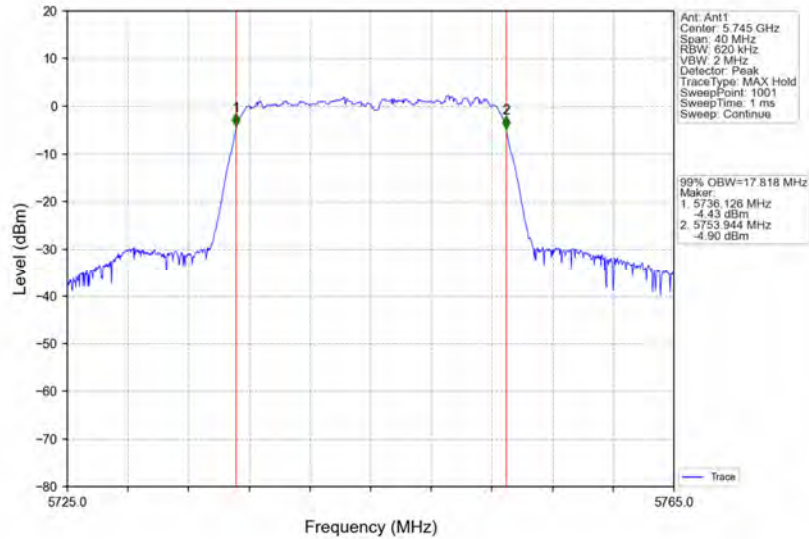
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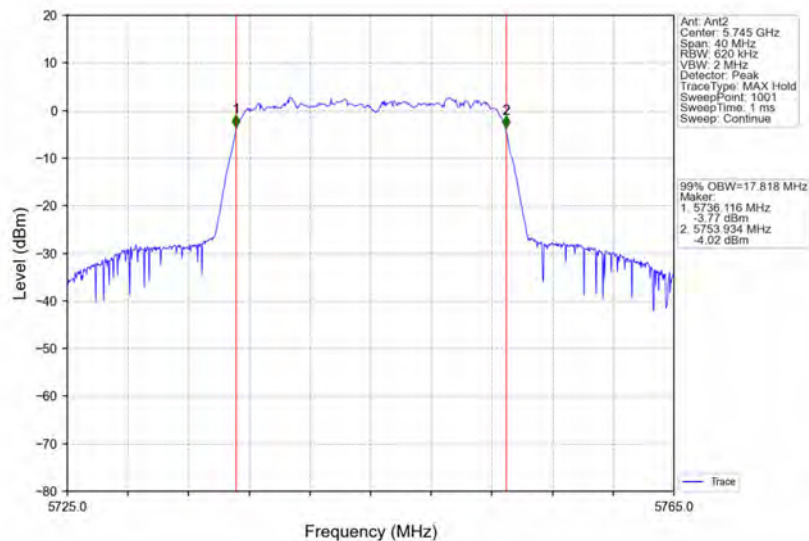
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



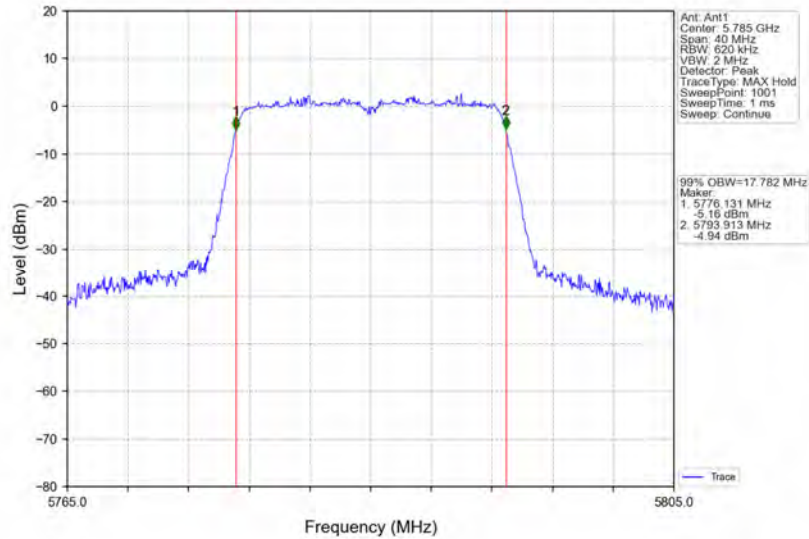
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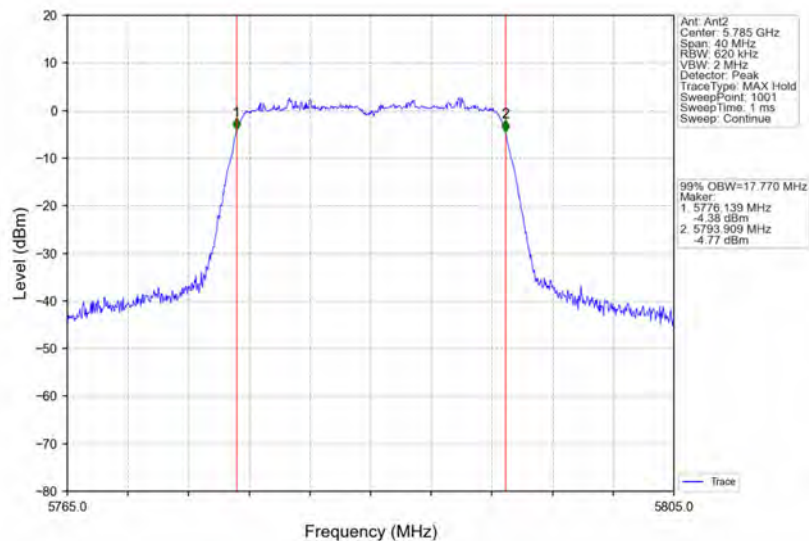
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



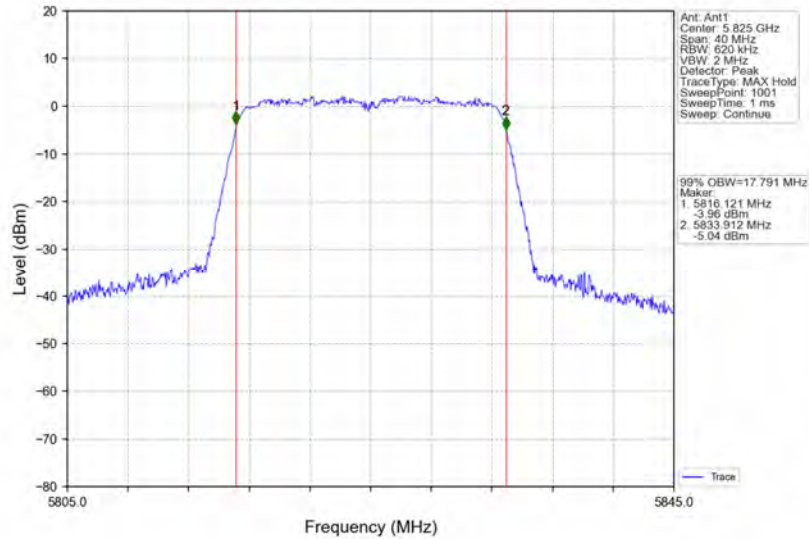
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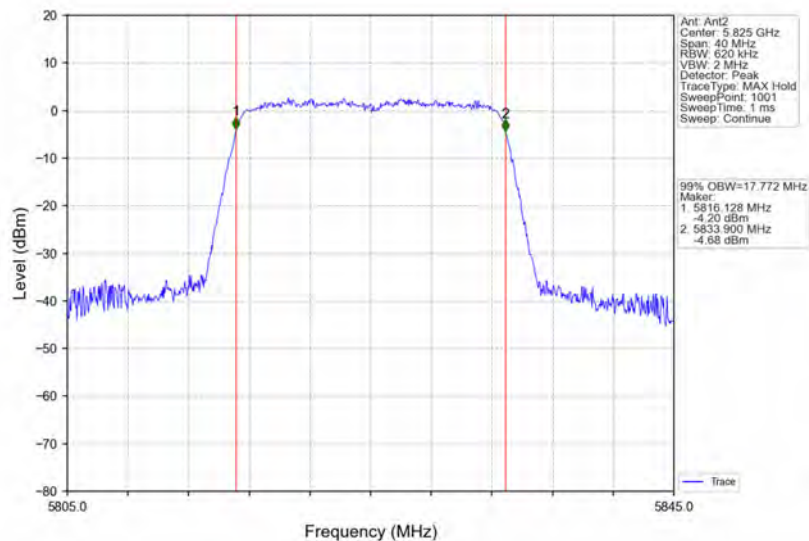
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



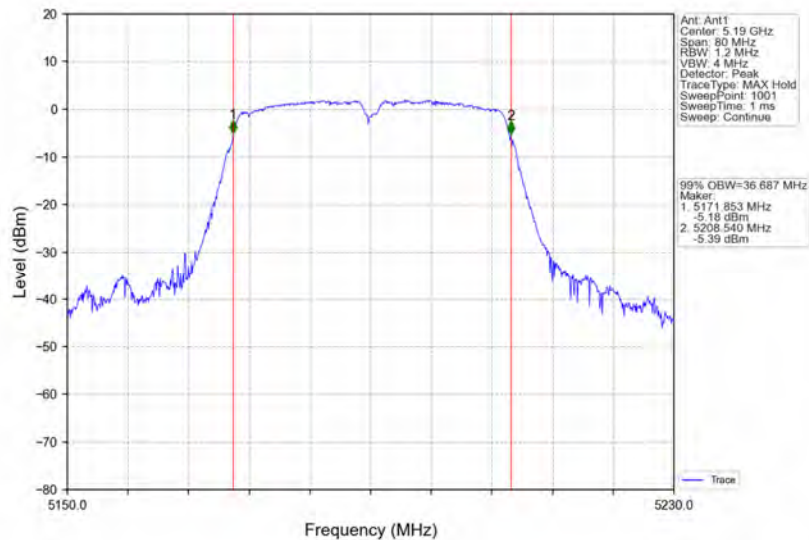
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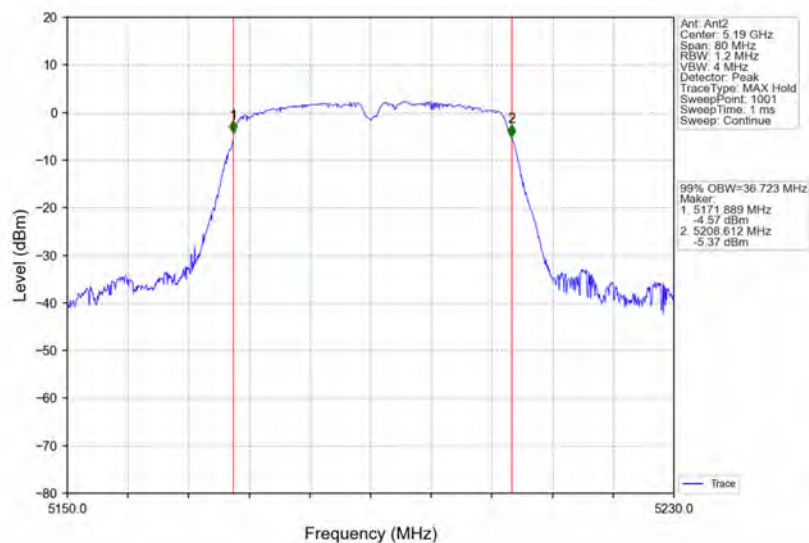
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



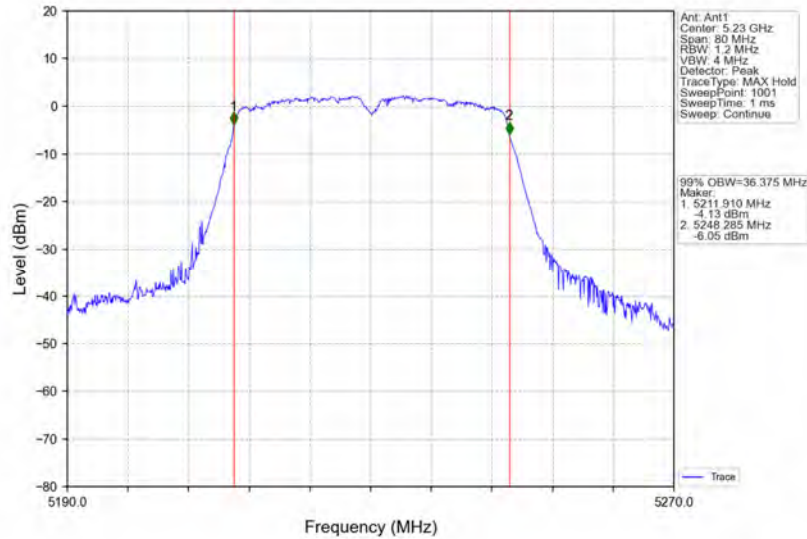
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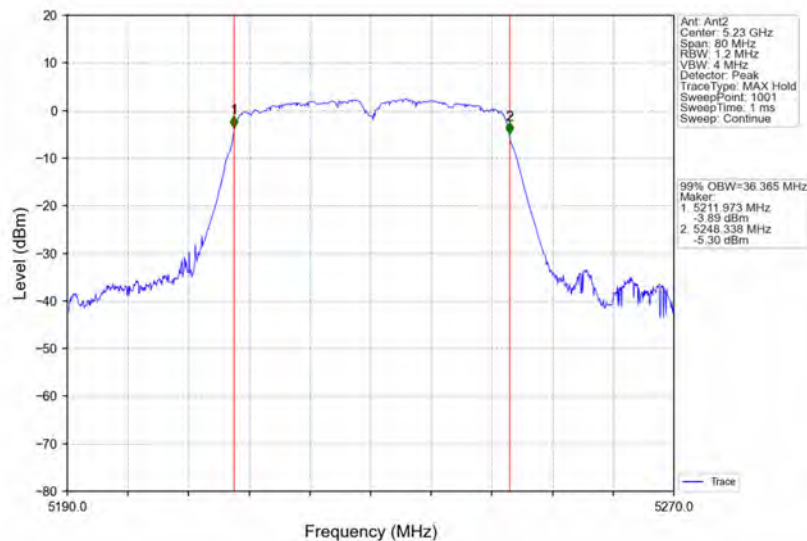
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802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



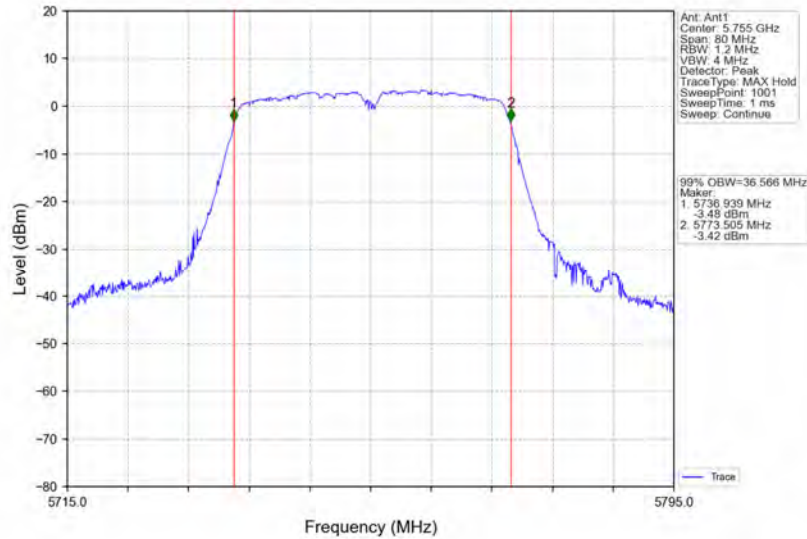
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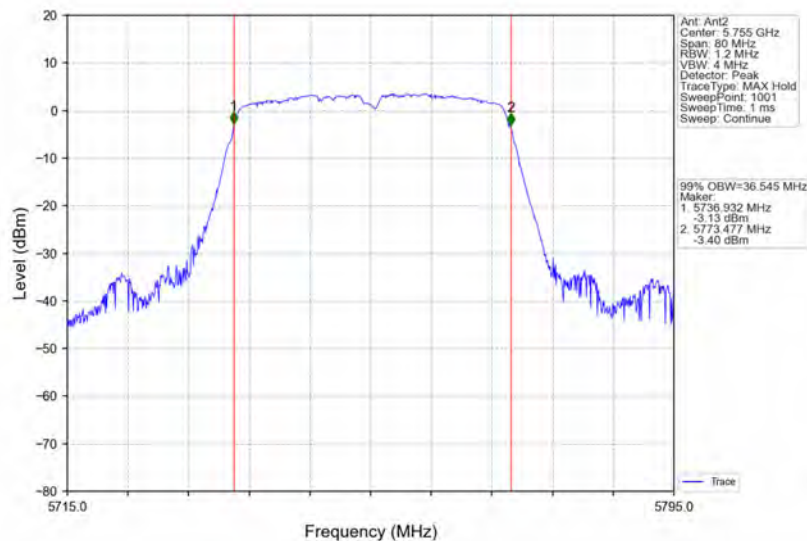
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802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



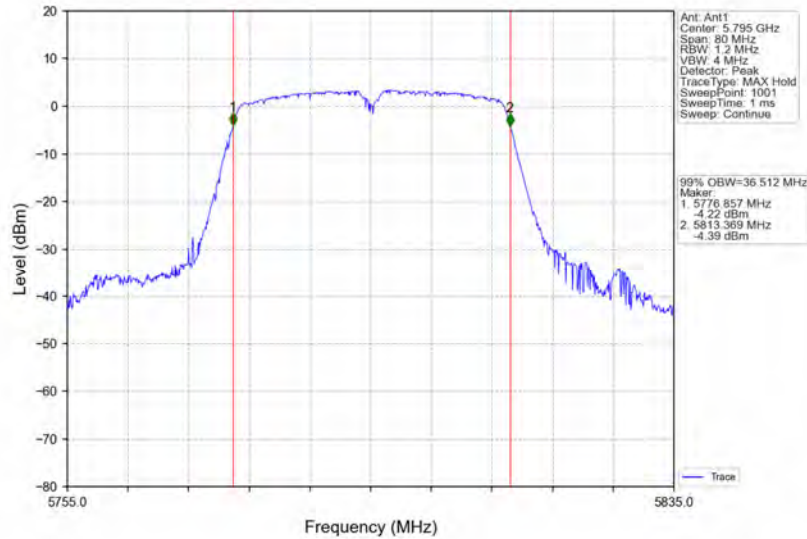
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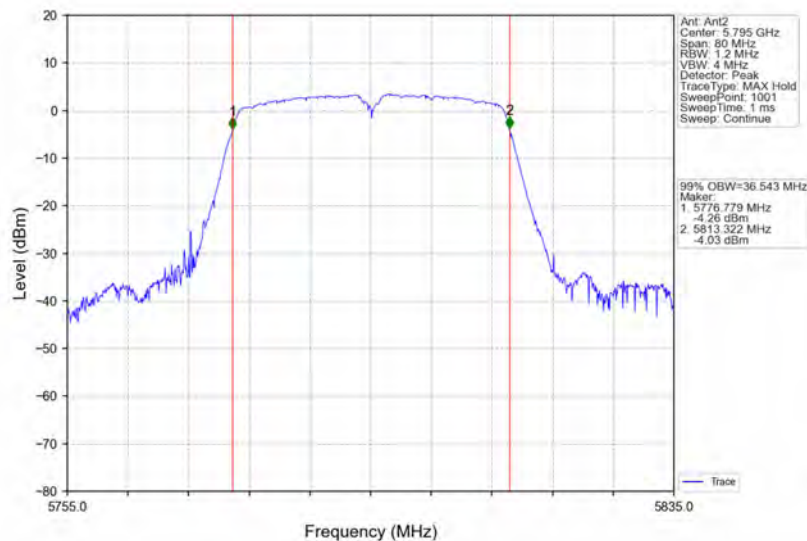
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802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



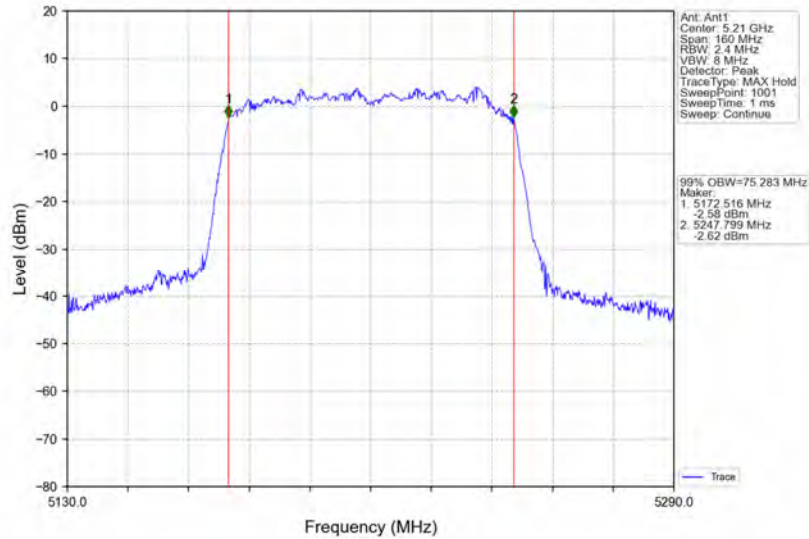
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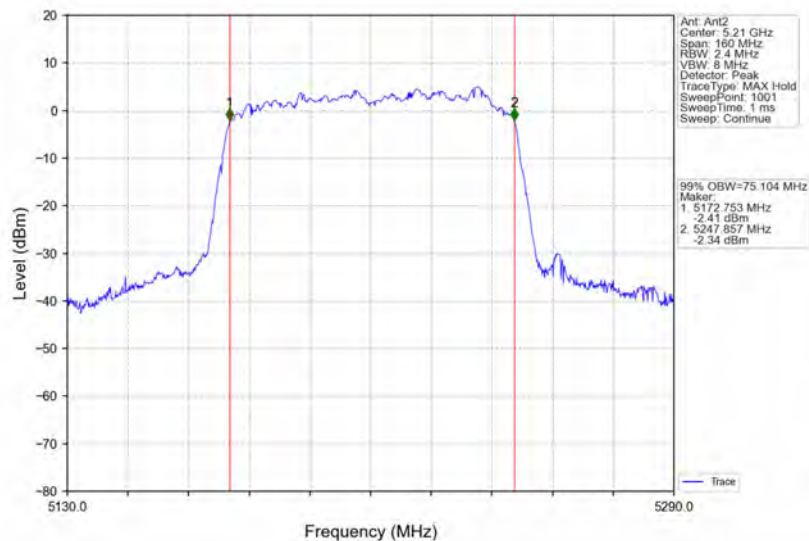
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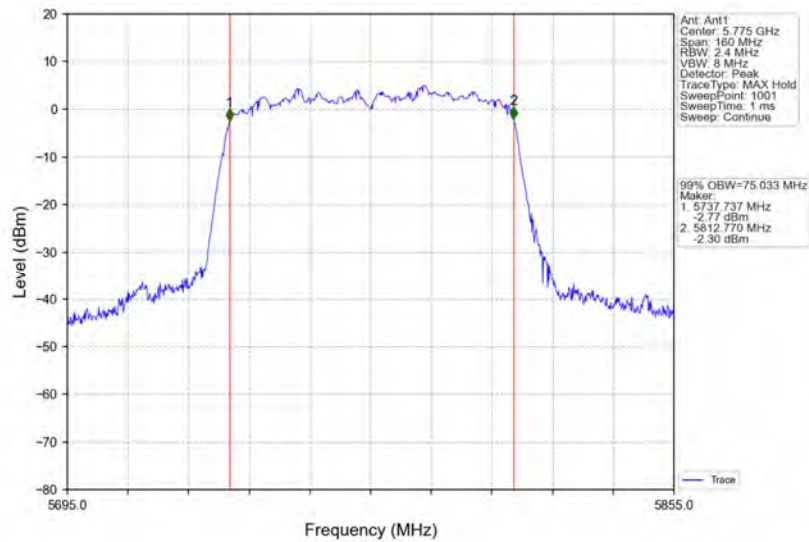
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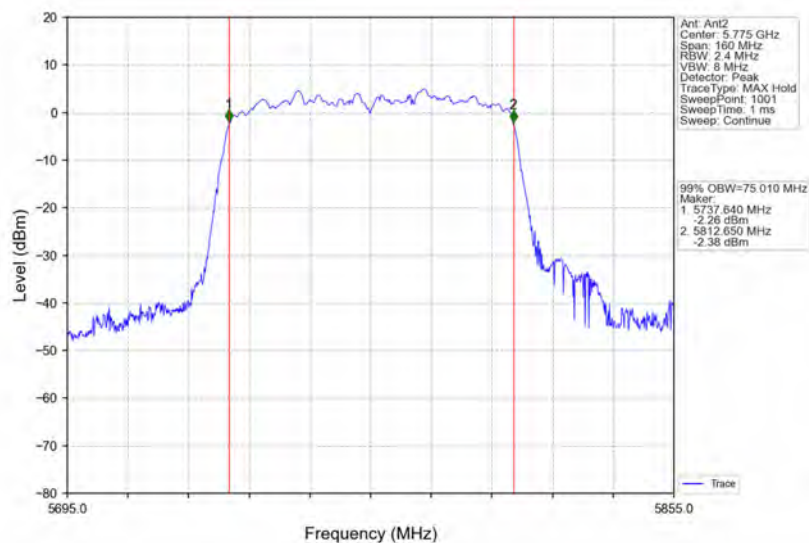
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.360	≥ 0.5	Pass
			2	16.366	≥ 0.5	Pass
		5785	1	16.363	≥ 0.5	Pass
			2	16.358	≥ 0.5	Pass
		5825	1	16.334	≥ 0.5	Pass
			2	16.333	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	17.584	≥ 0.5	Pass
			2	17.300	≥ 0.5	Pass
		5785	1	17.314	≥ 0.5	Pass
			2	17.303	≥ 0.5	Pass
		5825	1	17.333	≥ 0.5	Pass
			2	17.584	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.183	≥ 0.5	Pass
			2	35.186	≥ 0.5	Pass
		5795	1	35.189	≥ 0.5	Pass
			2	35.186	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	17.342	≥ 0.5	Pass
			2	17.525	≥ 0.5	Pass
		5785	1	17.599	≥ 0.5	Pass
			2	17.355	≥ 0.5	Pass
		5825	1	17.580	≥ 0.5	Pass
			2	17.337	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.186	≥ 0.5	Pass
			2	35.185	≥ 0.5	Pass
		5795	1	35.195	≥ 0.5	Pass
			2	35.155	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.057	≥ 0.5	Pass
			2	75.061	≥ 0.5	Pass



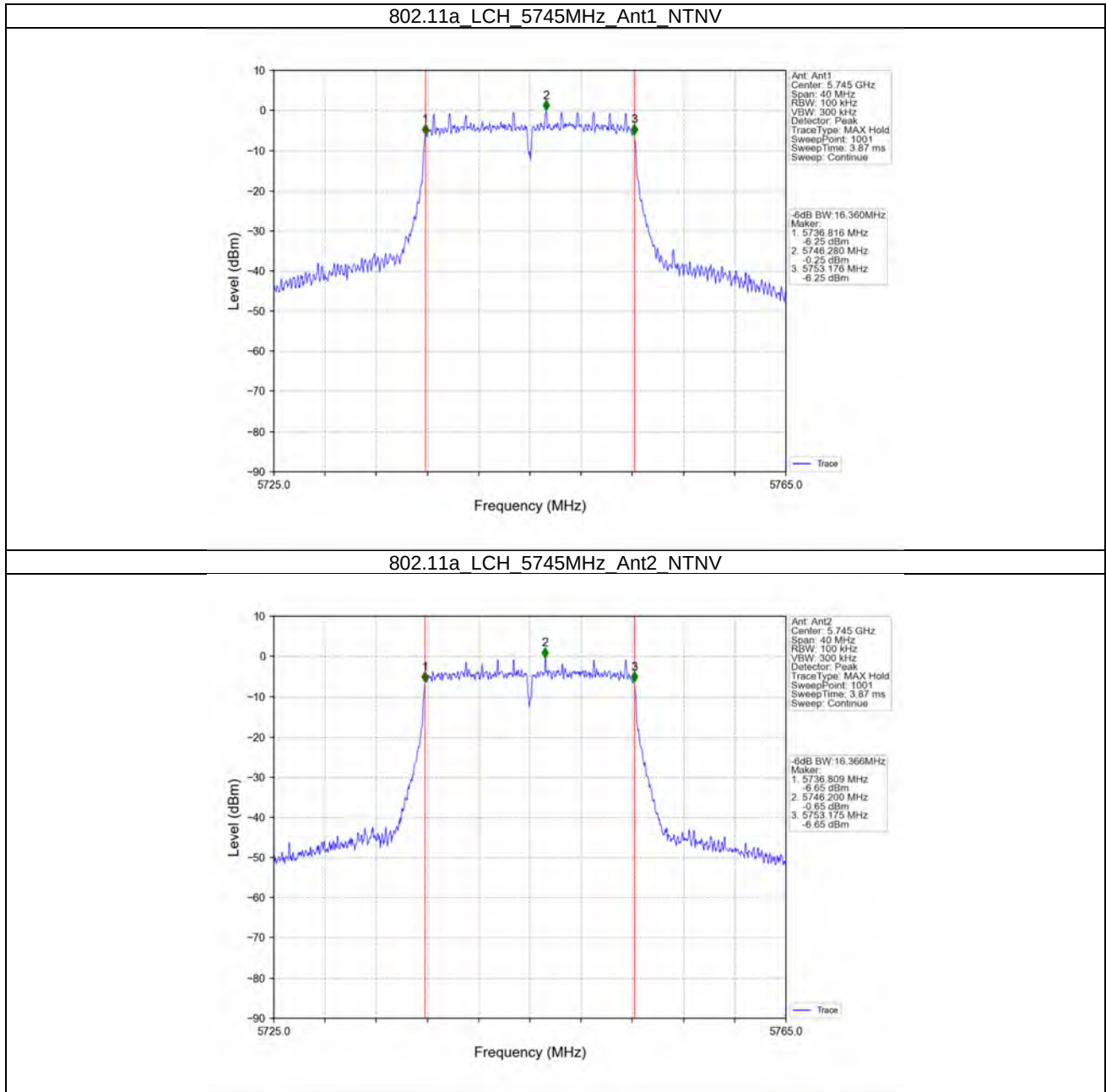
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2.2.2 Test Graph



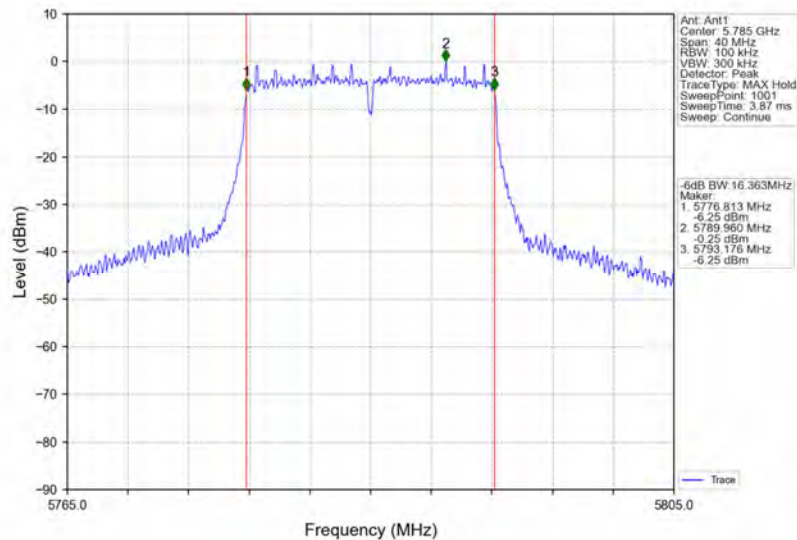
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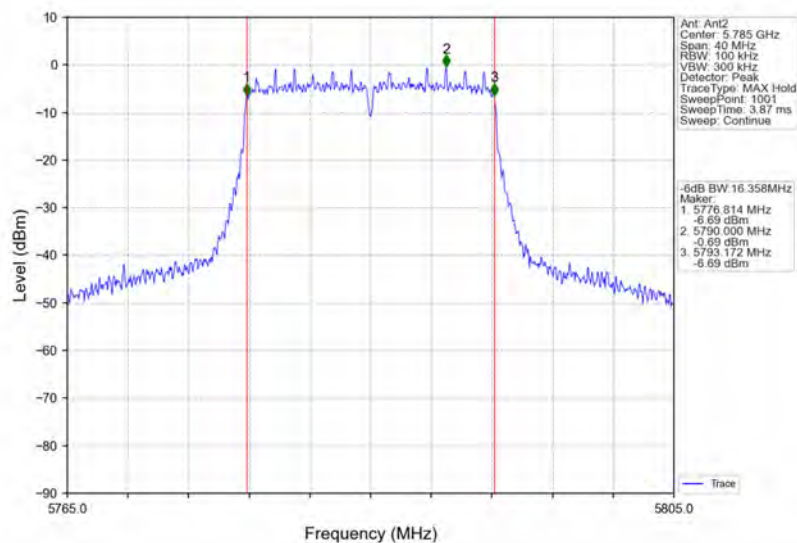
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802.11a_MCH_5785MHz_Ant2_NTNV



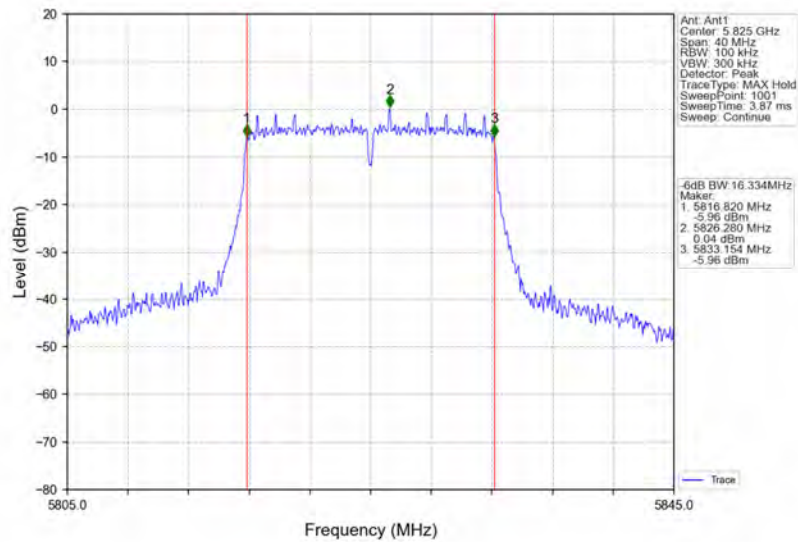
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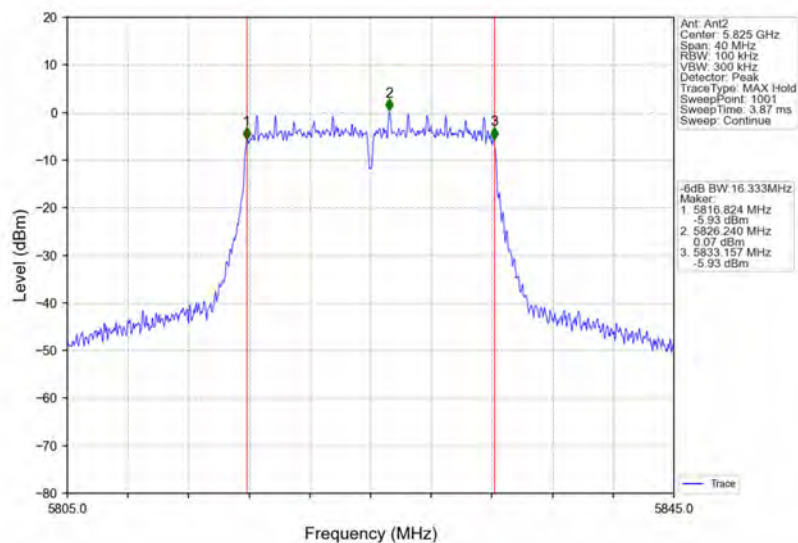
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



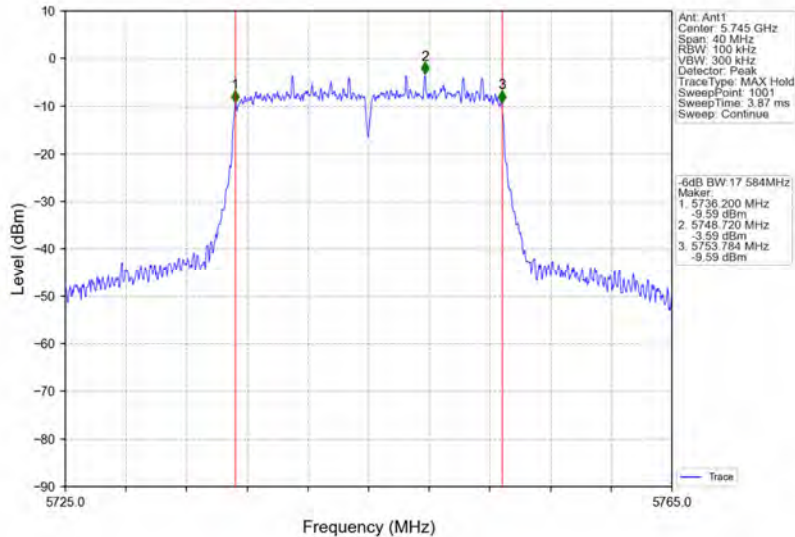
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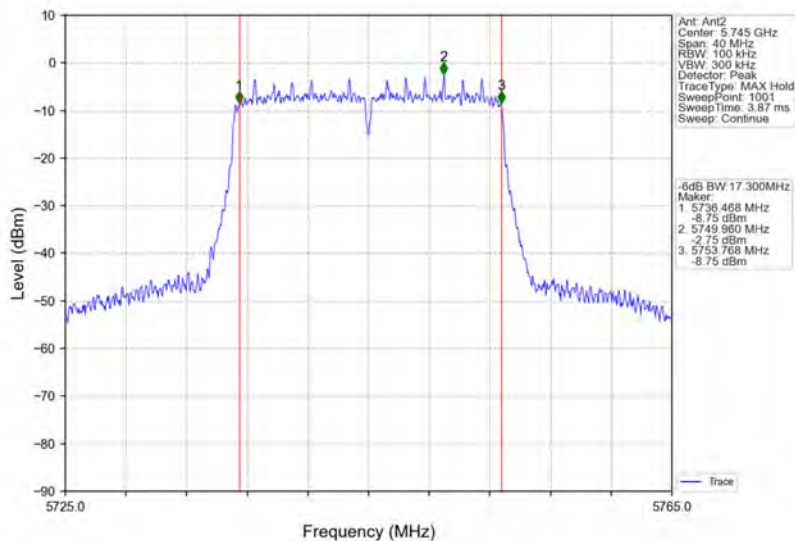
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



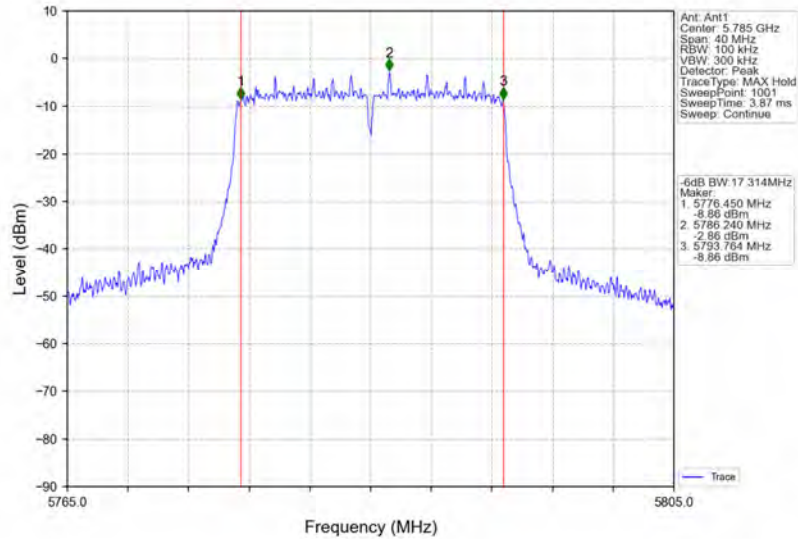
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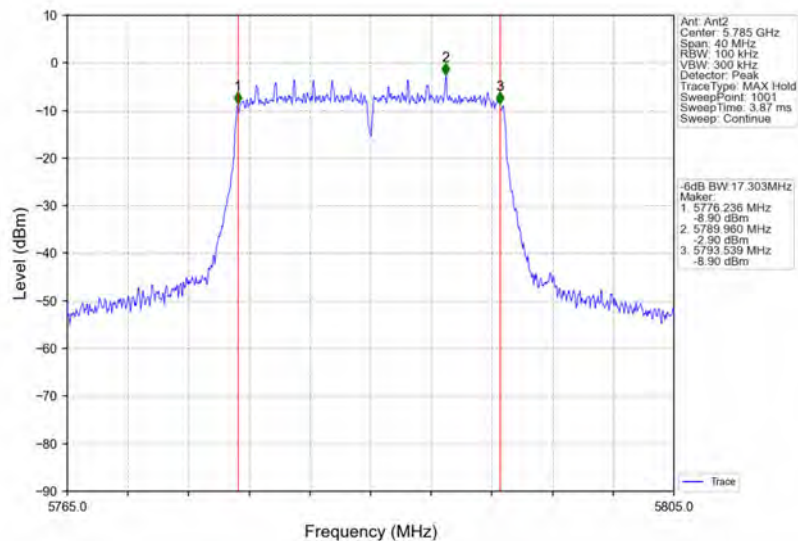
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802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



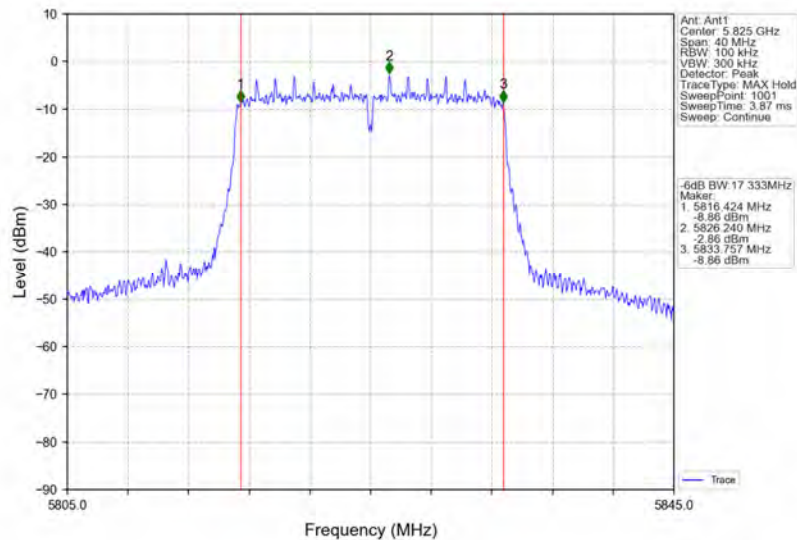
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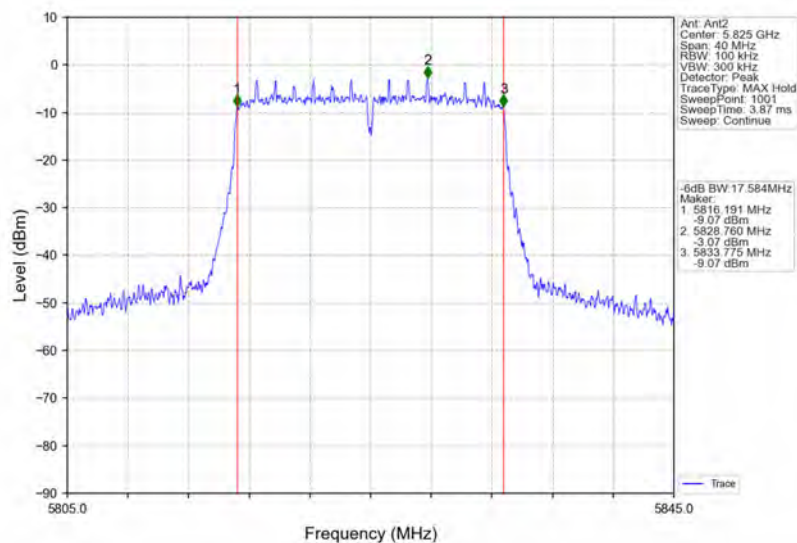
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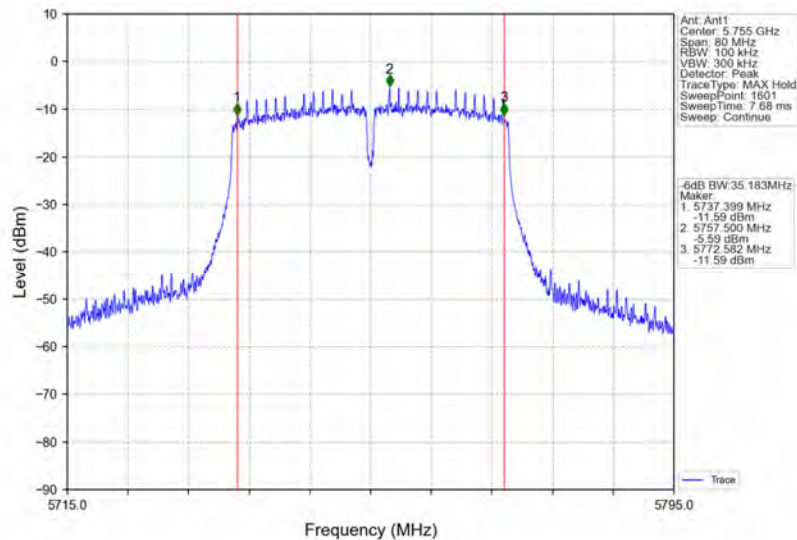
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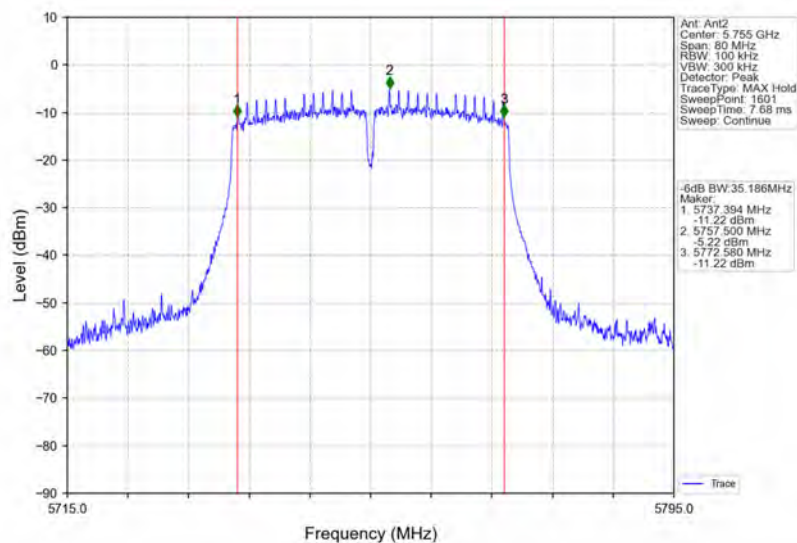
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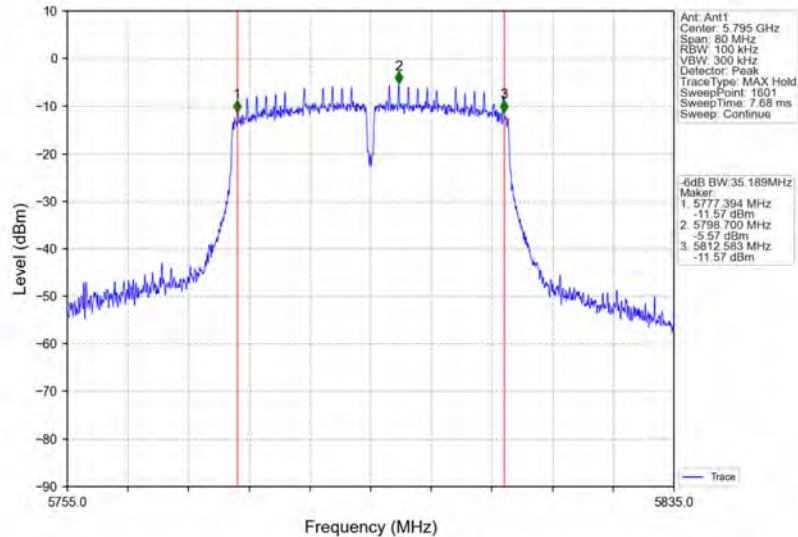
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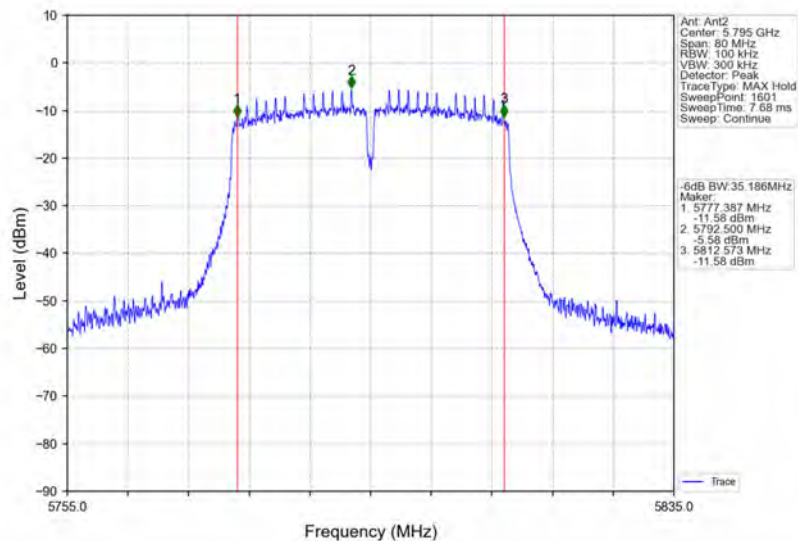
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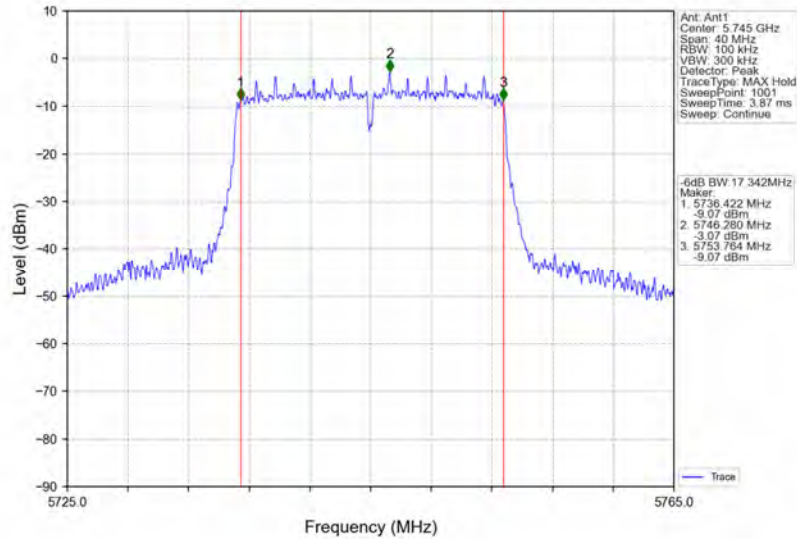
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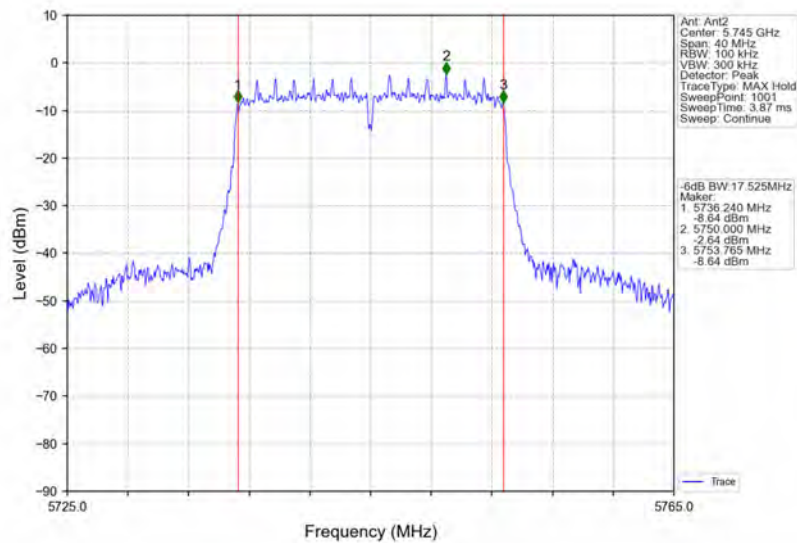
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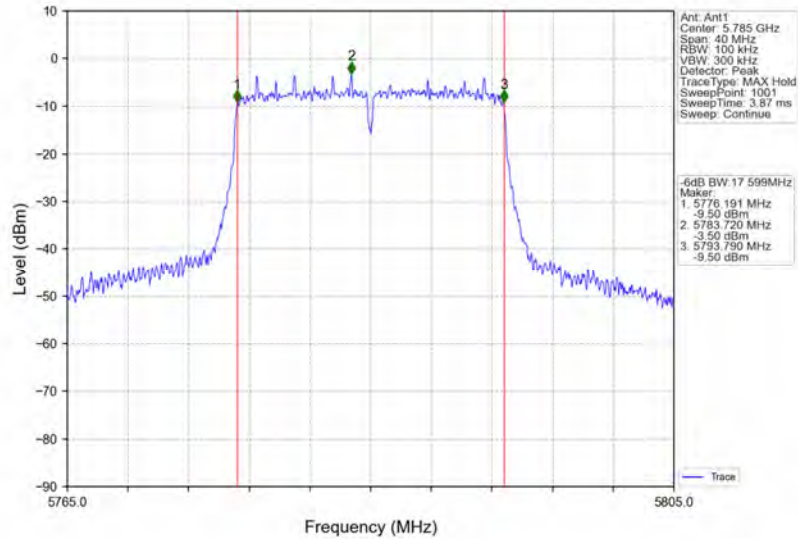
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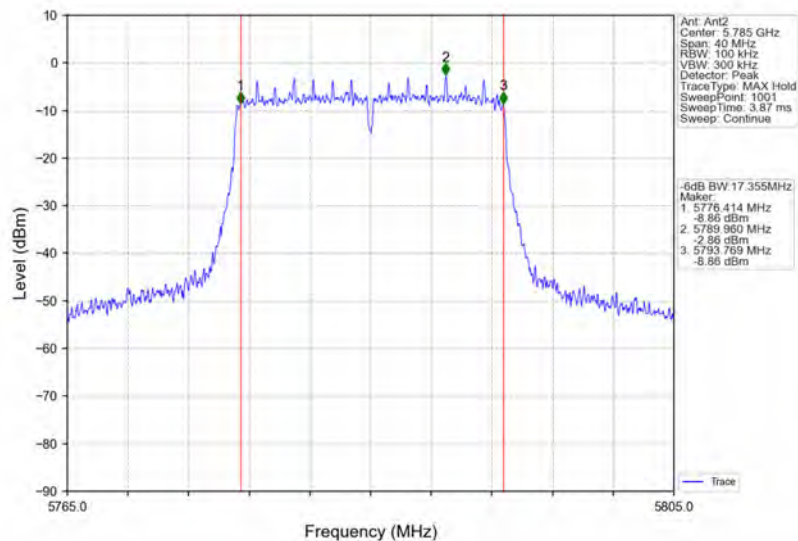
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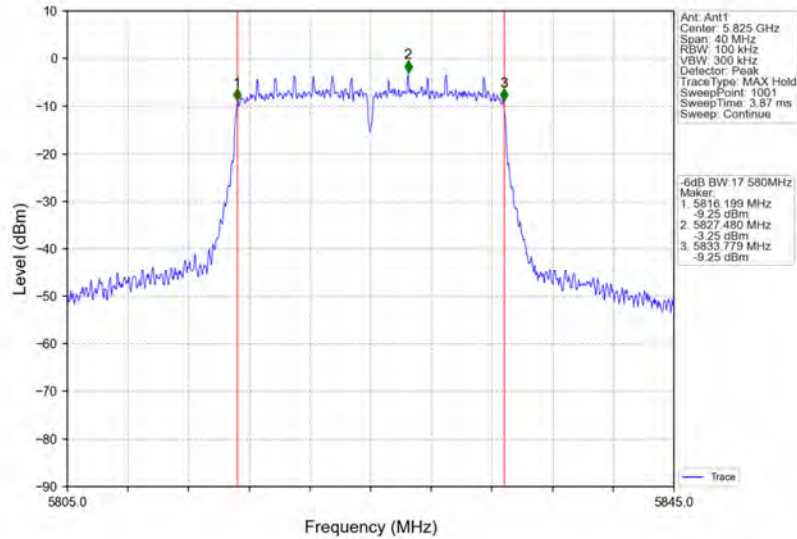
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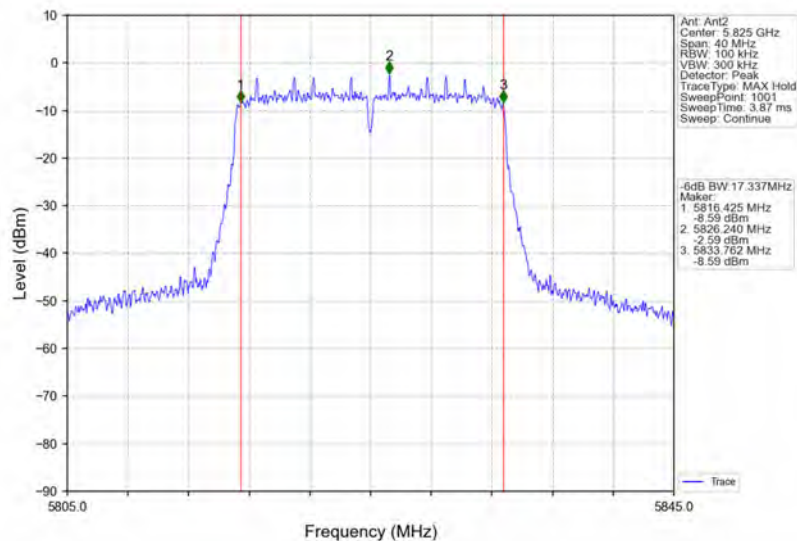
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802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



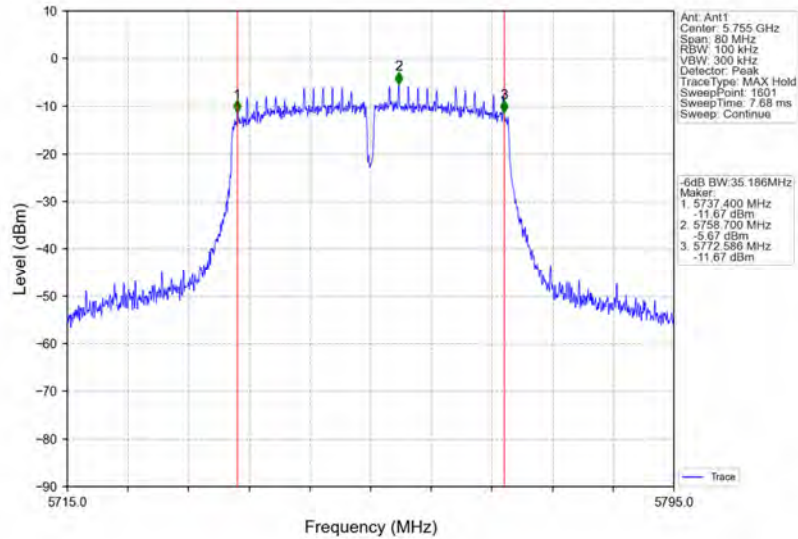
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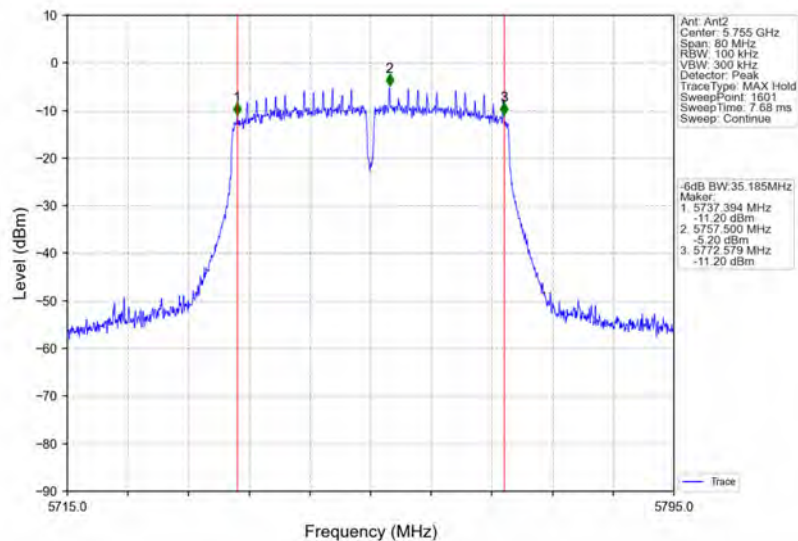
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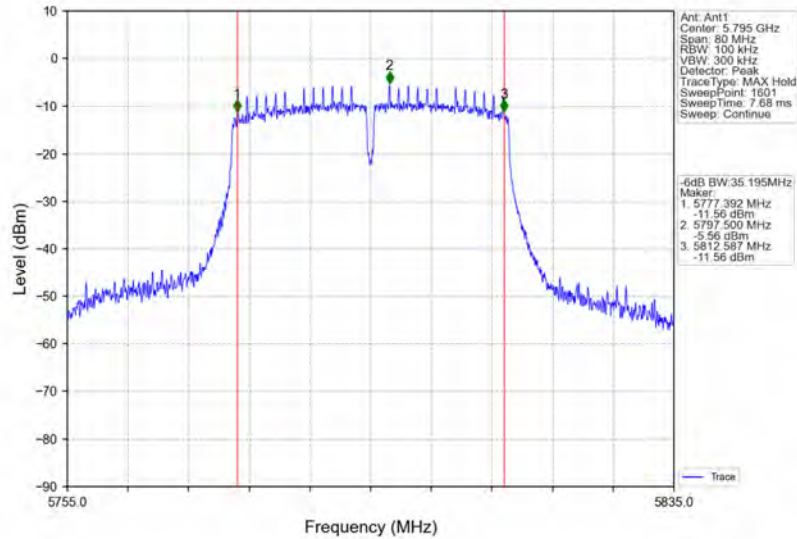
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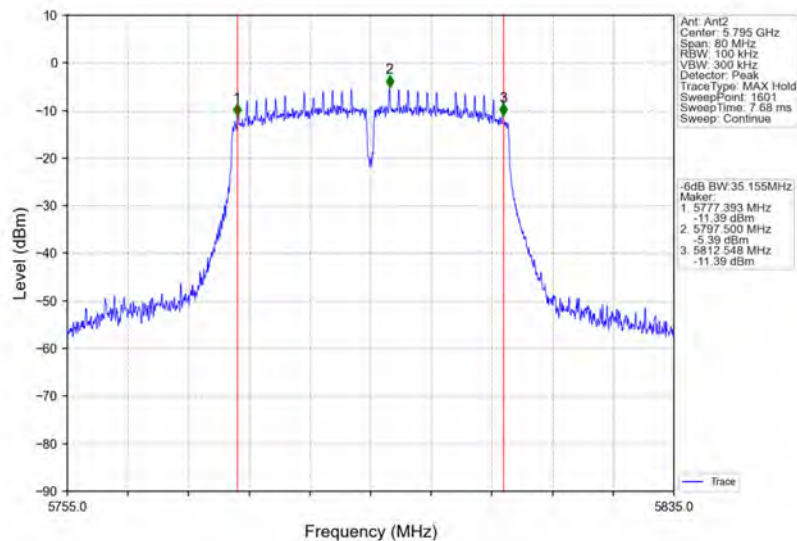
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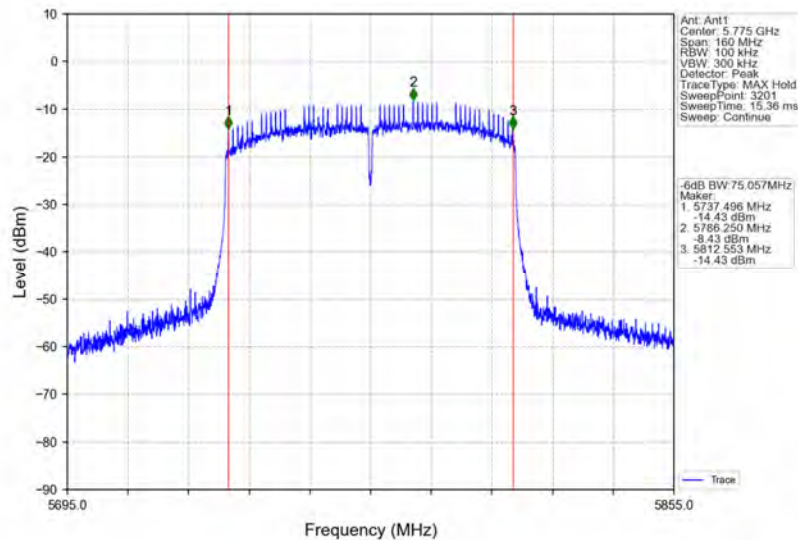
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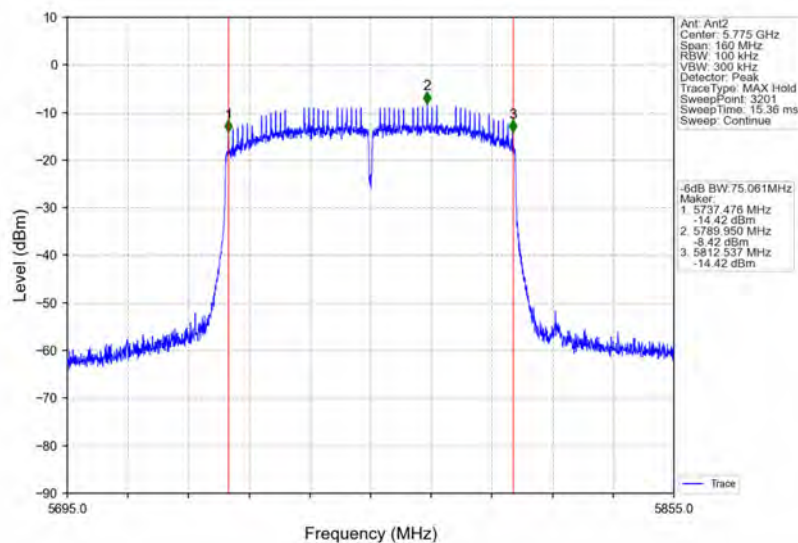
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2.3 26dB BW

2.3.1 Test Result

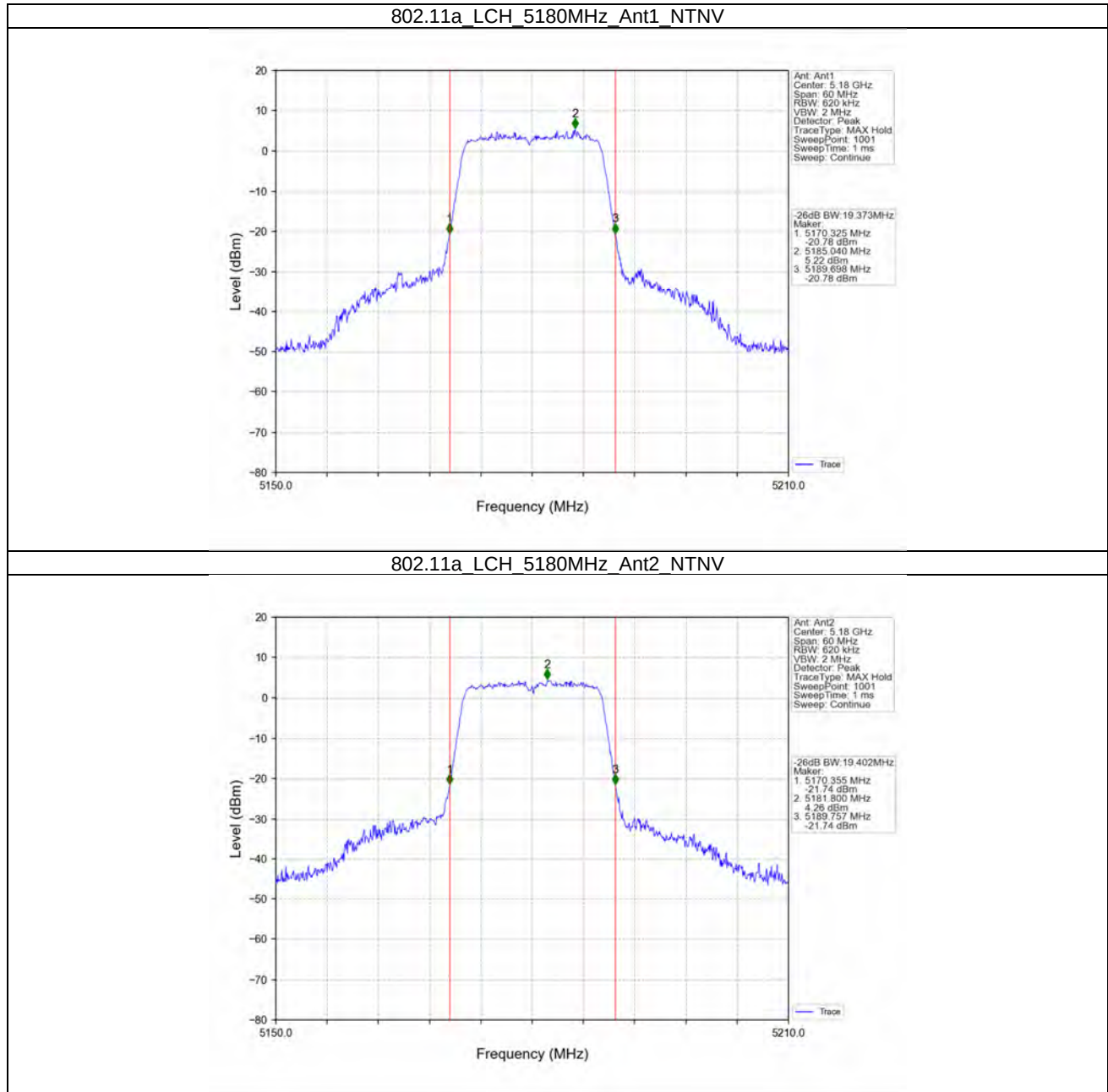
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	19.373	Pass
			2	19.402	Pass
		5200	1	19.254	Pass
			2	19.386	Pass
		5240	1	19.386	Pass
			2	19.432	Pass
802.11n (HT20)	MIMO	5180	1	20.273	Pass
			2	20.355	Pass
		5200	1	20.207	Pass
			2	20.292	Pass
		5240	1	20.129	Pass
			2	20.212	Pass
802.11n (HT40)	MIMO	5190	1	43.280	Pass
			2	43.485	Pass
		5230	1	42.760	Pass
			2	42.796	Pass
802.11ac (VHT20)	MIMO	5180	1	20.213	Pass
			2	20.221	Pass
		5200	1	20.205	Pass
			2	20.162	Pass
		5240	1	20.133	Pass
			2	20.196	Pass
802.11ac (VHT40)	MIMO	5190	1	43.008	Pass
			2	43.293	Pass
		5230	1	42.771	Pass
			2	42.743	Pass
802.11ac (VHT80)	MIMO	5210	1	83.377	Pass
			2	83.236	Pass



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2.3.2 Test Graph



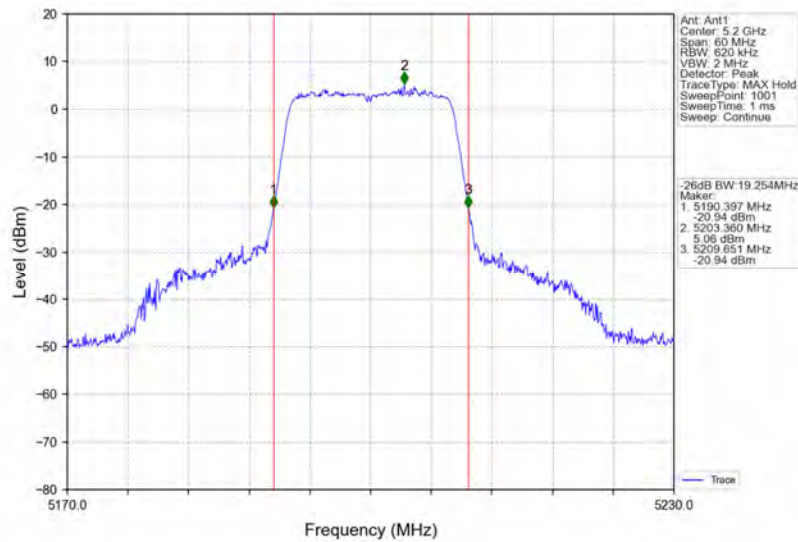
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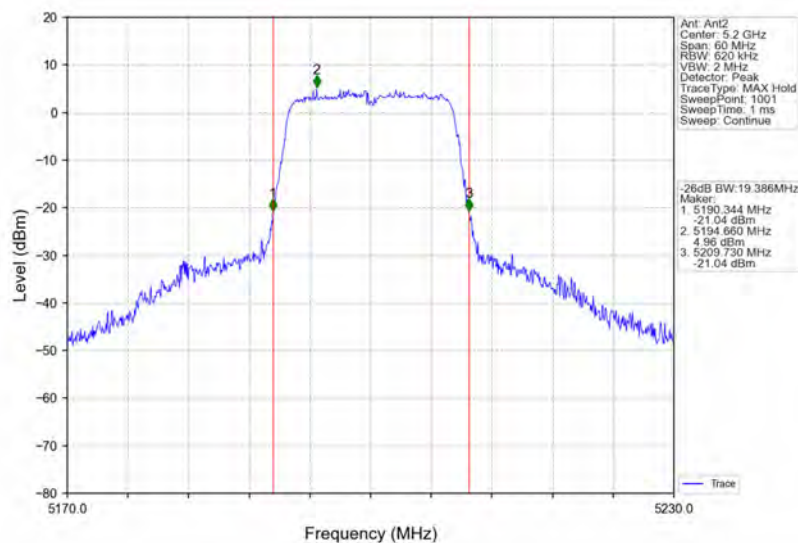
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



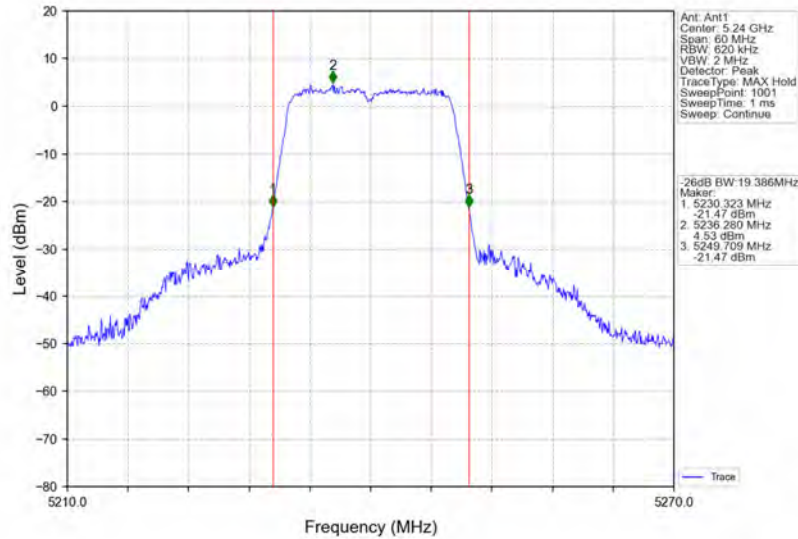
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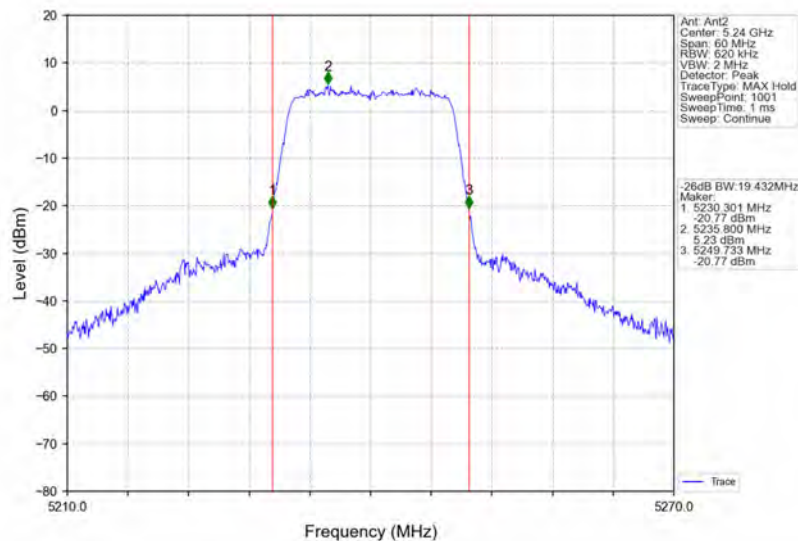
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802.11a_HCH_5240MHz_Ant2_NTNV



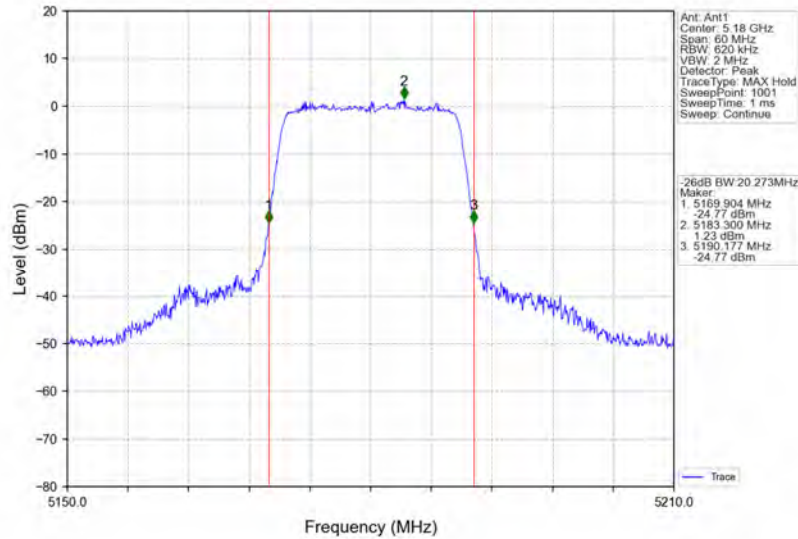
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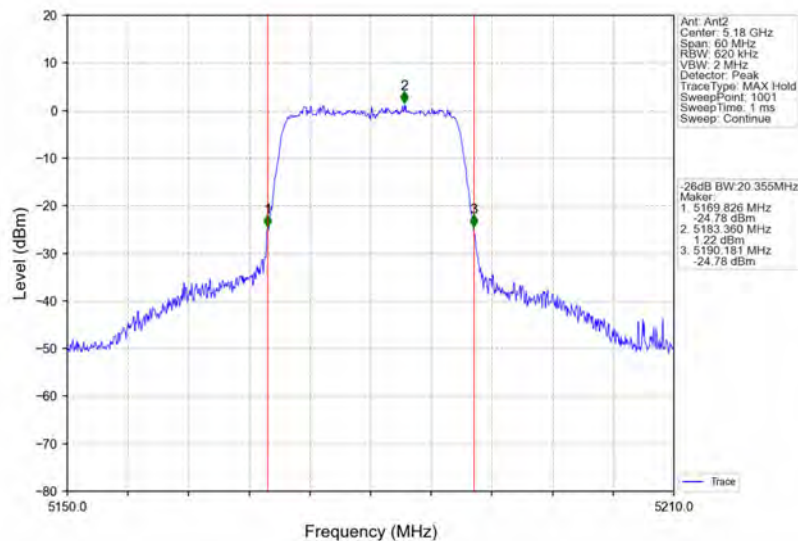
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



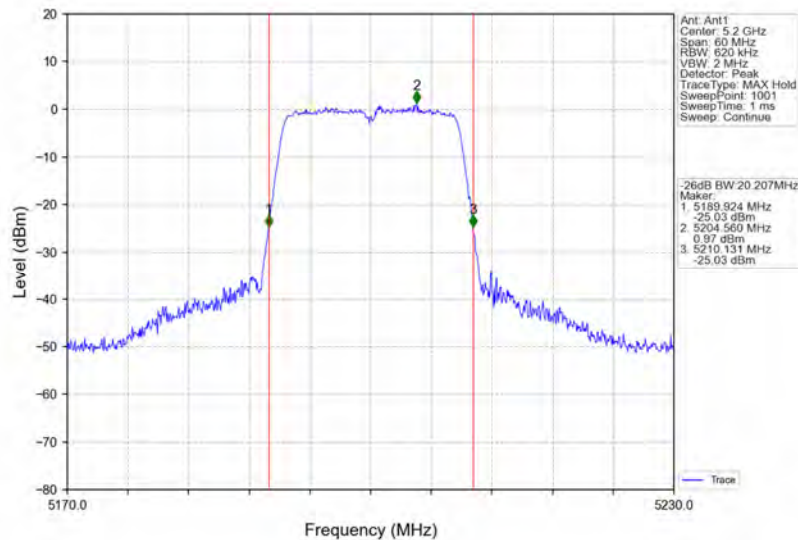
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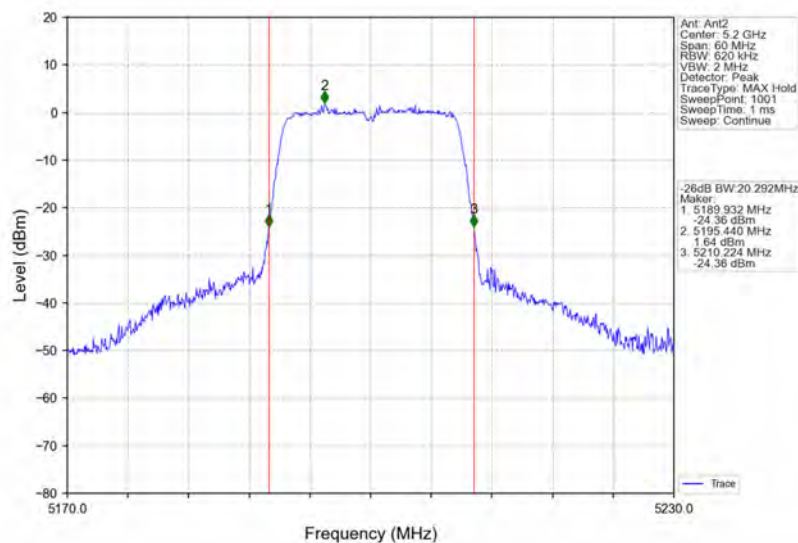
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802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



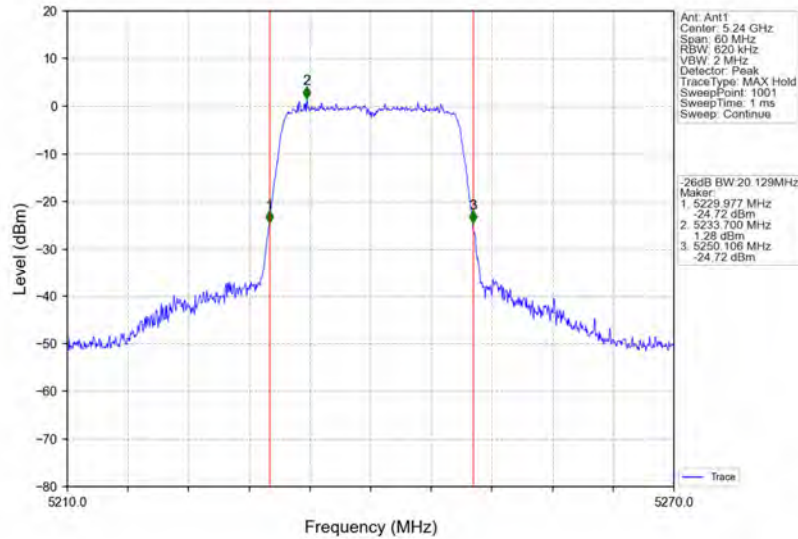
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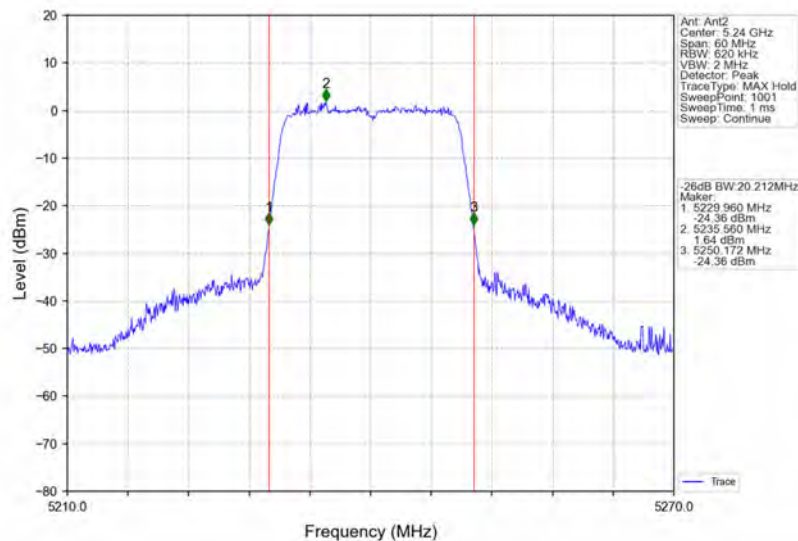
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802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



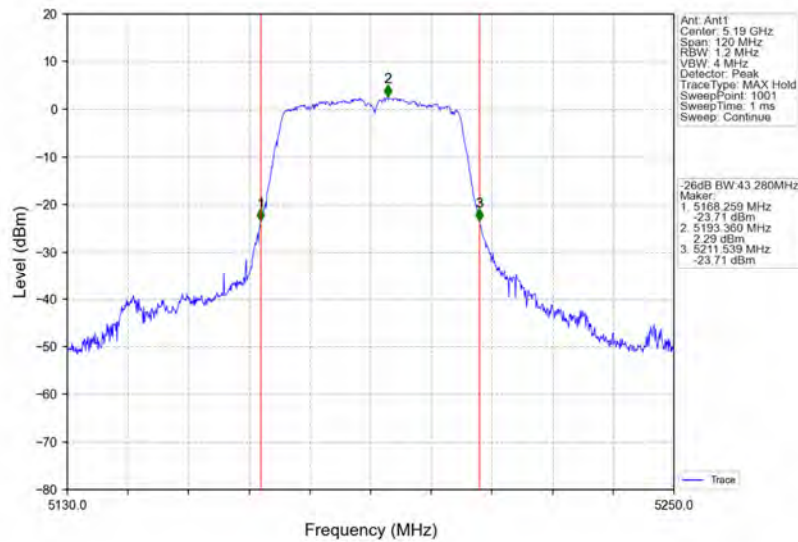
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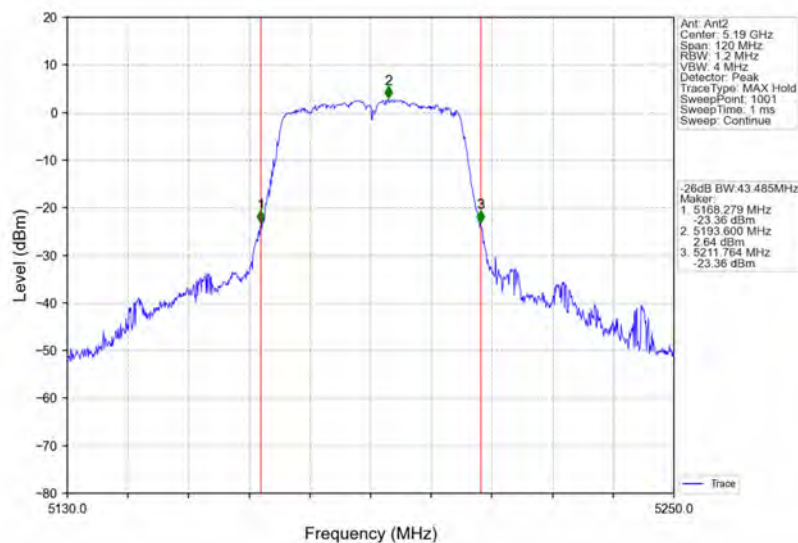
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802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



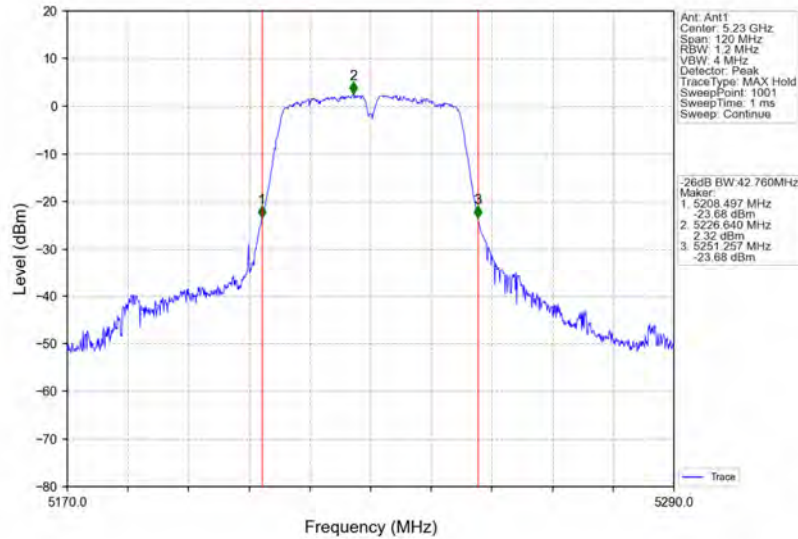
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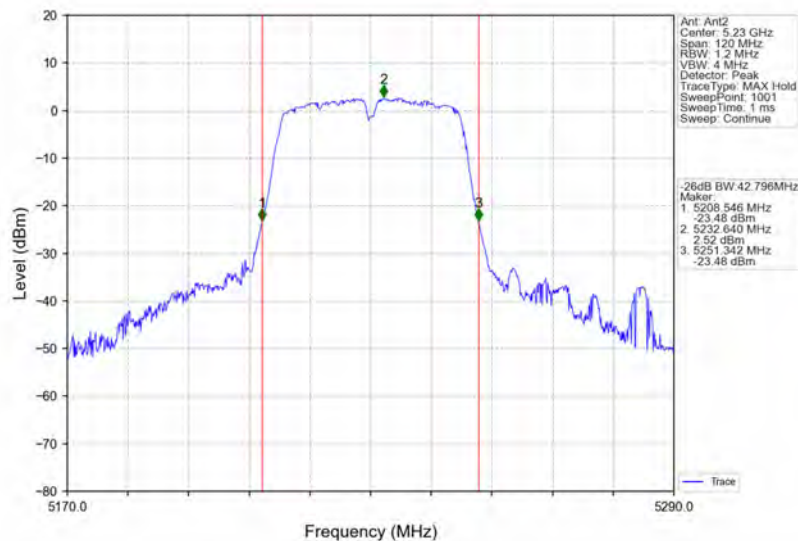
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802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



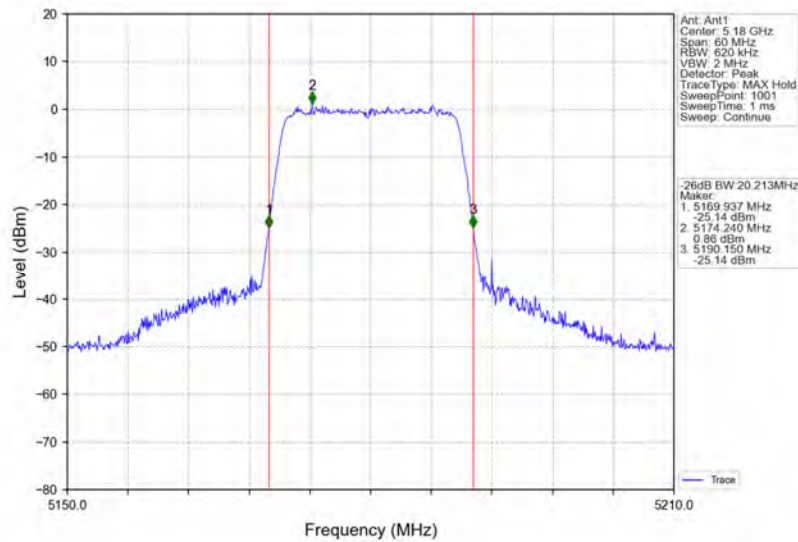
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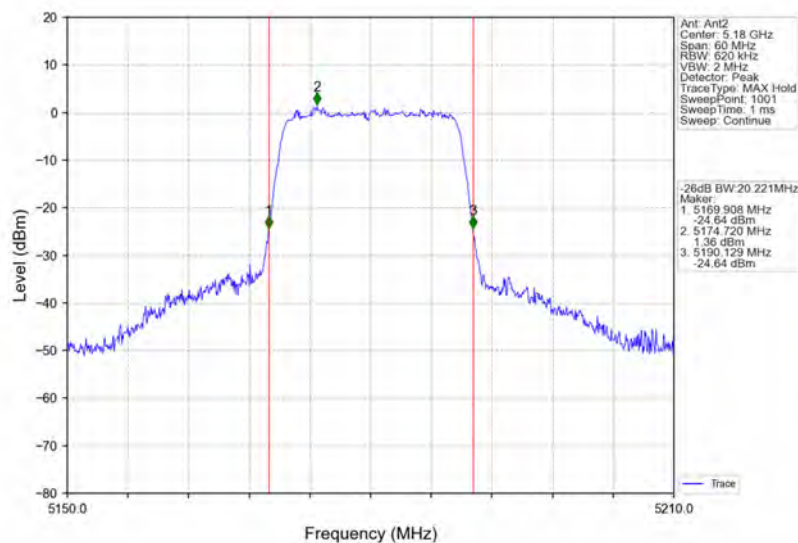
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802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



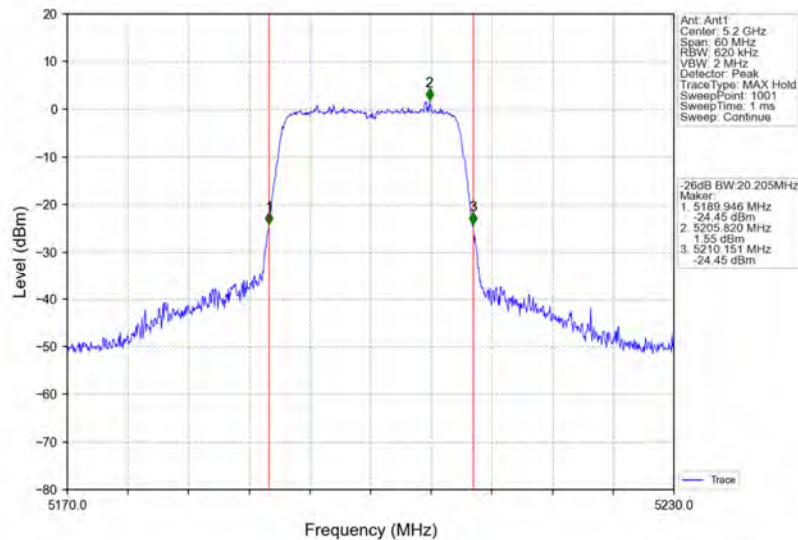
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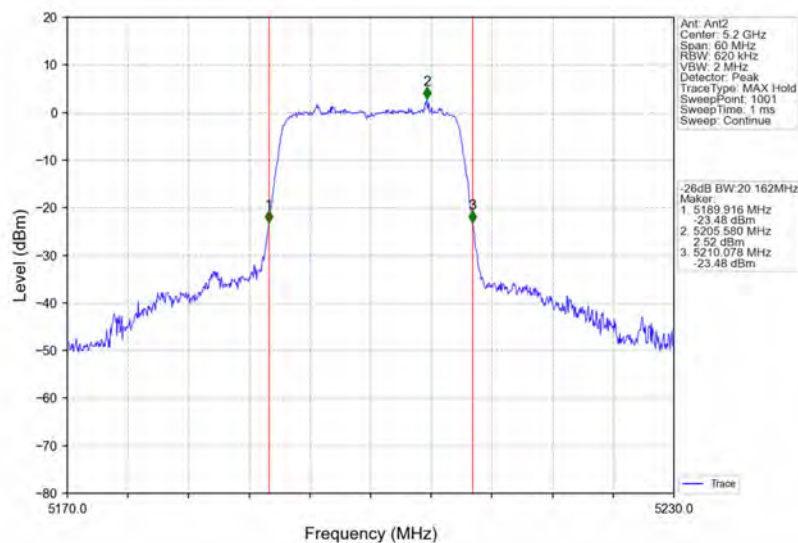
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802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



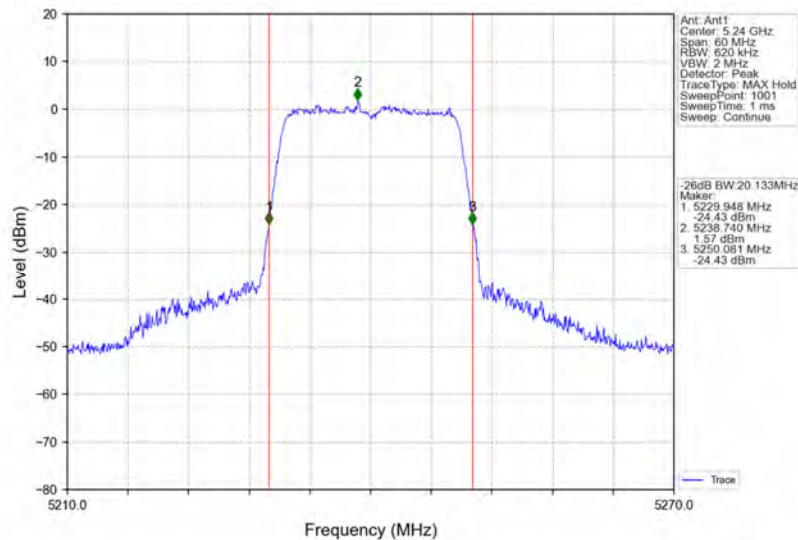
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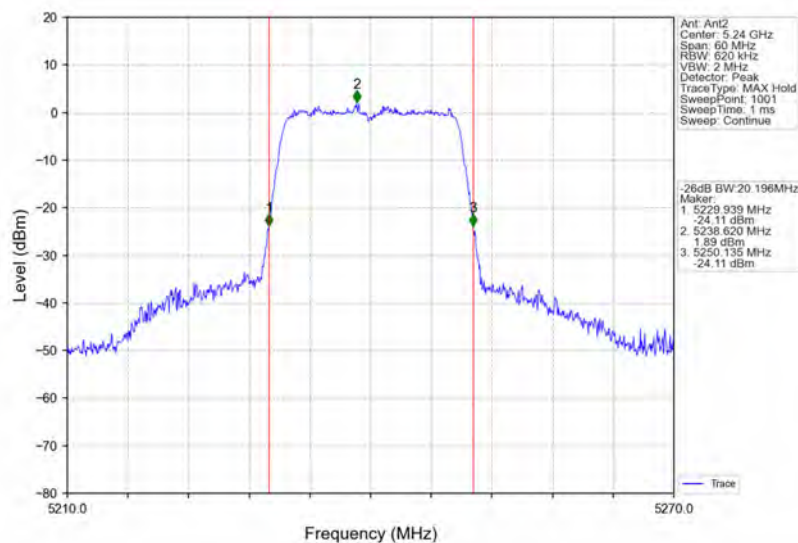
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802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



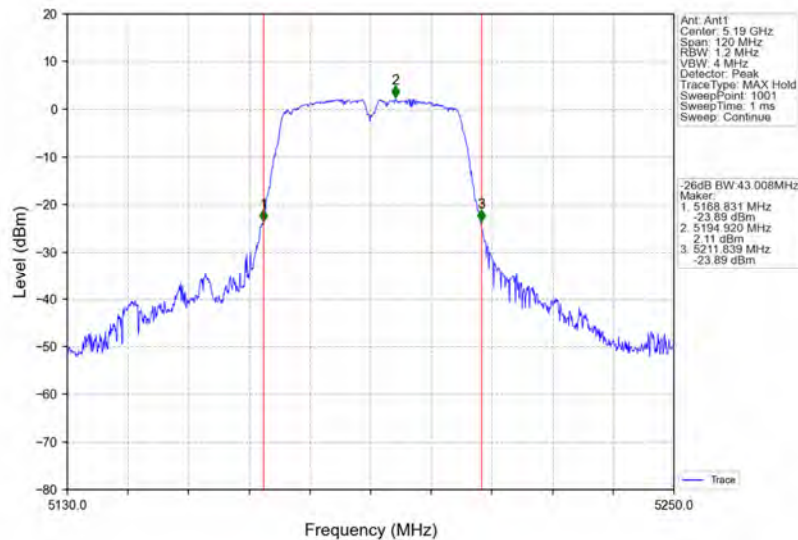
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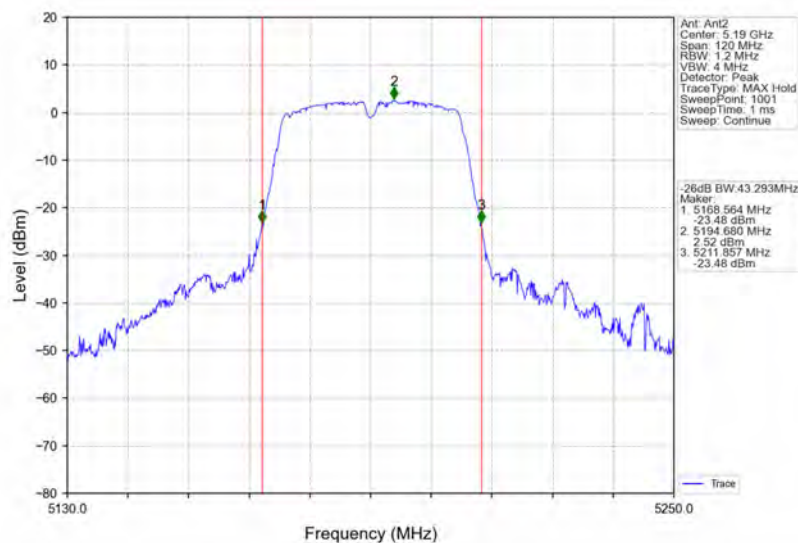
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



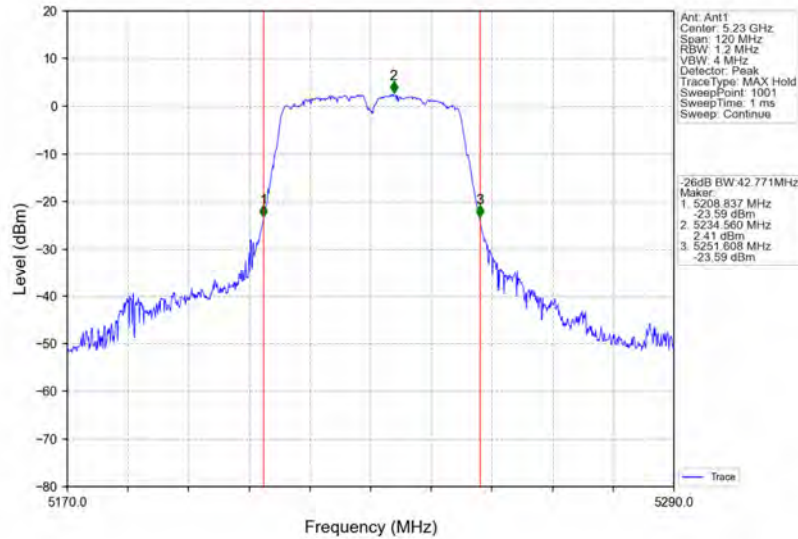
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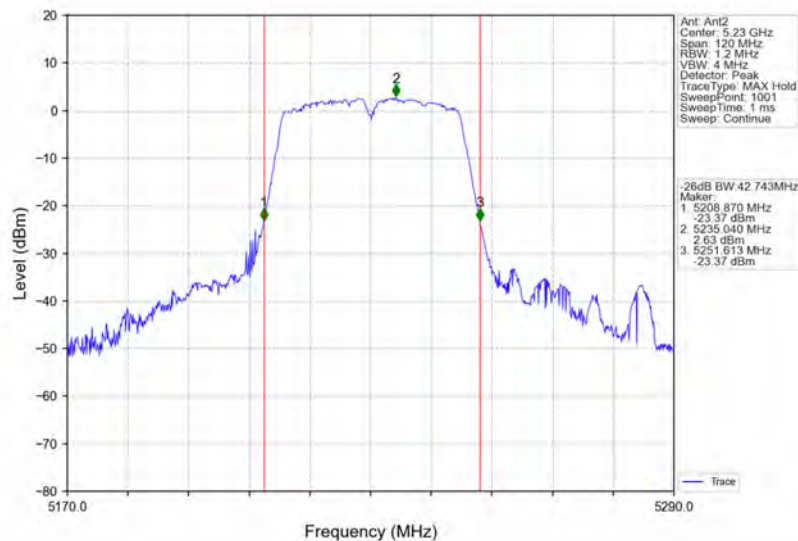
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



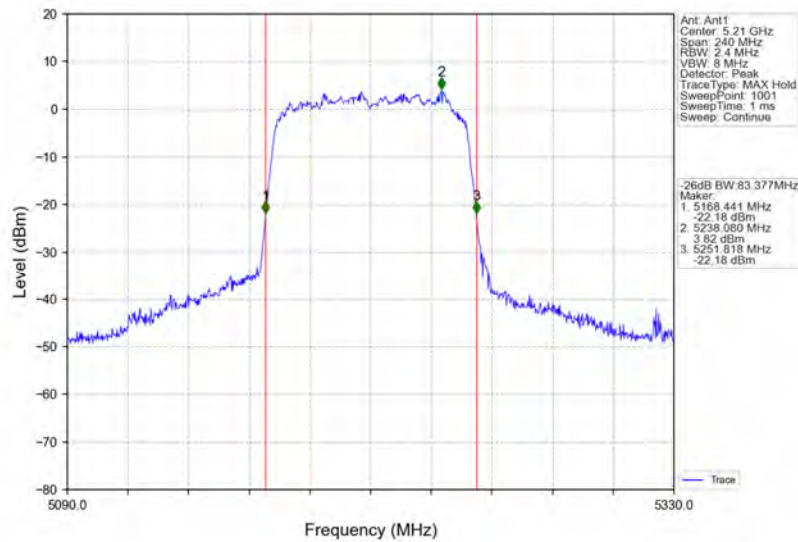
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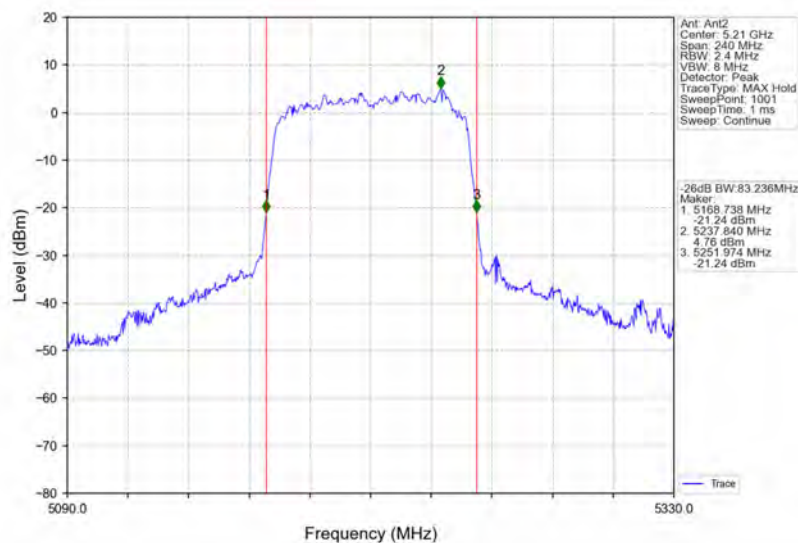
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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3. Maximum Conducted Output Power

3.1 Power For FCC

3.1.1 Test Result

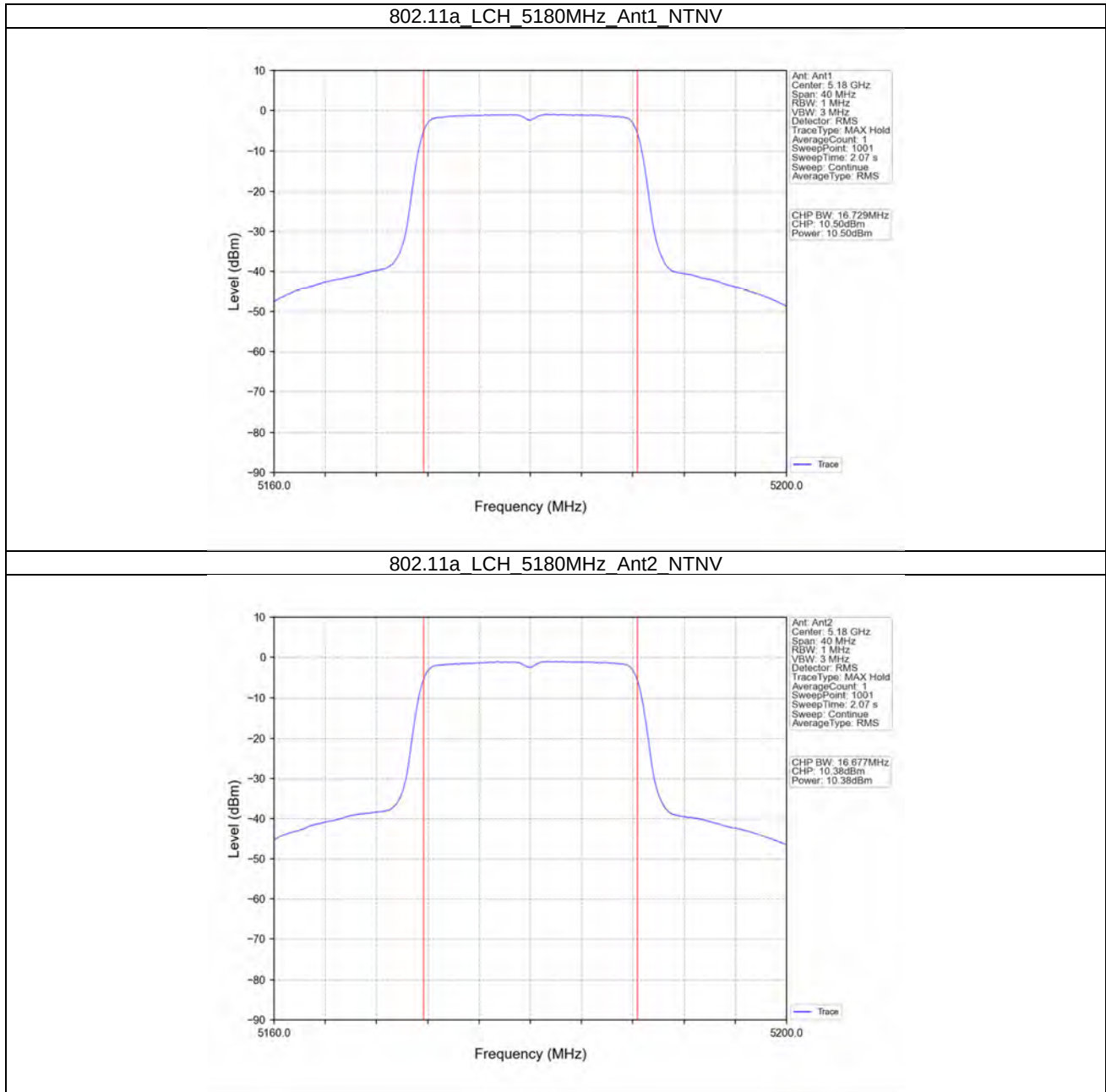
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	10.50	10.38	/	<=23.98	Pass
		5200	10.38	10.77	/	<=23.98	Pass
		5240	10.29	10.75	/	<=23.98	Pass
		5745	11.07	10.98	/	<=30	Pass
		5785	11.08	10.57	/	<=30	Pass
		5825	11.00	10.96	/	<=30	Pass
802.11n (HT20)	MIMO	5180	7.01	7.16	10.10	<=23.98	Pass
		5200	7.10	7.56	10.35	<=23.98	Pass
		5240	7.06	7.51	10.30	<=23.98	Pass
		5745	7.80	8.28	11.06	<=30	Pass
		5785	7.91	8.00	10.97	<=30	Pass
		5825	8.01	8.34	11.19	<=30	Pass
802.11n (HT40)	MIMO	5190	6.87	7.22	10.06	<=23.98	Pass
		5230	7.04	7.26	10.16	<=23.98	Pass
		5755	8.01	8.33	11.18	<=30	Pass
		5795	8.02	8.08	11.06	<=30	Pass
802.11ac (VHT20)	MIMO	5180	6.98	7.12	10.06	<=23.98	Pass
		5200	7.09	7.54	10.33	<=23.98	Pass
		5240	7.09	7.52	10.32	<=23.98	Pass
		5745	7.86	8.31	11.10	<=30	Pass
		5785	7.95	8.02	11.00	<=30	Pass
		5825	8.06	8.38	11.23	<=30	Pass
802.11ac (VHT40)	MIMO	5190	6.91	7.23	10.08	<=23.98	Pass
		5230	7.06	7.27	10.18	<=23.98	Pass
		5755	8.04	8.34	11.20	<=30	Pass
		5795	8.05	8.09	11.08	<=30	Pass
802.11ac (VHT80)	MIMO	5210	7.07	7.63	10.37	<=23.98	Pass
		5775	7.85	7.91	10.89	<=30	Pass

Note1: Antenna Gain: Ant1: 0.45dBi; Ant2: -0.92dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)



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3.2.2 Test Graph



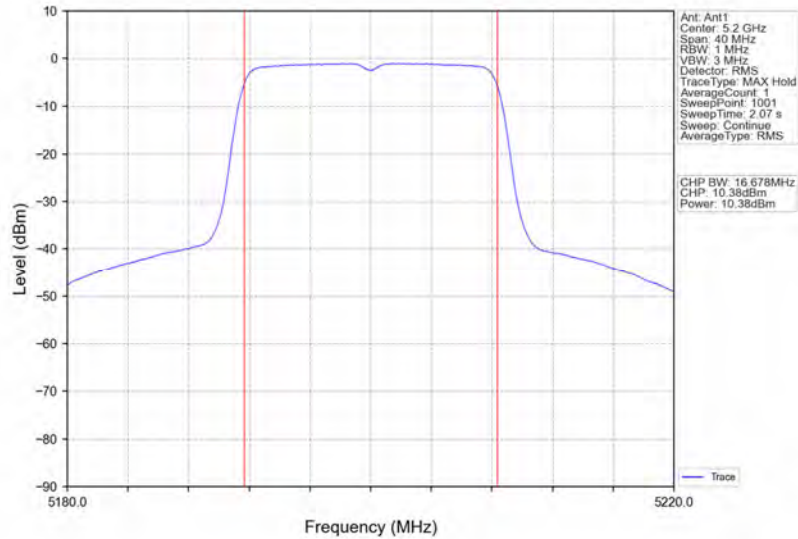
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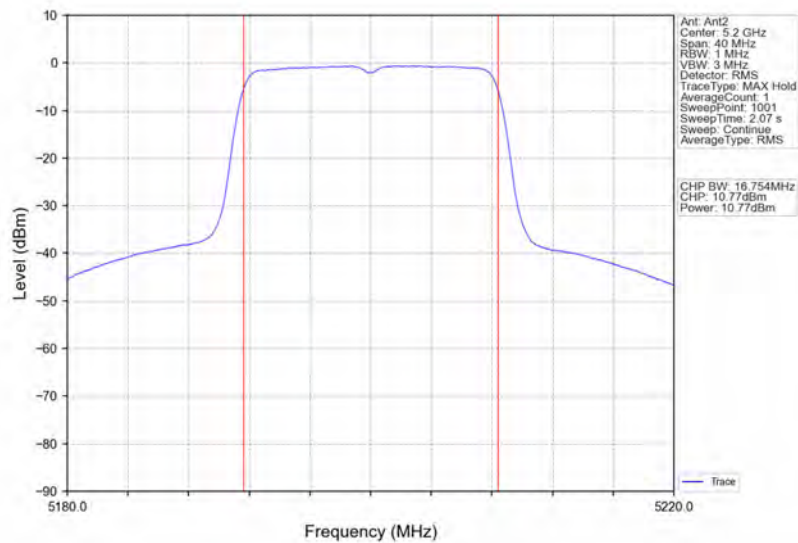
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802.11a_MCH_5200MHz_Ant2_NTNV



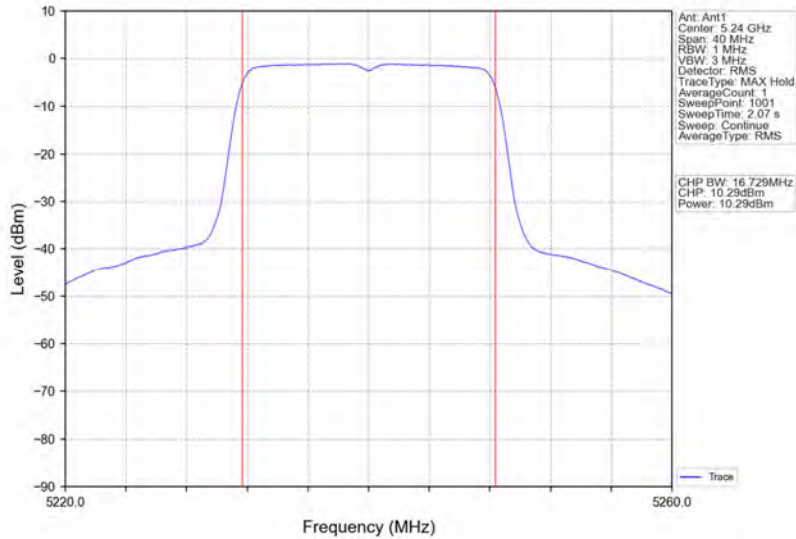
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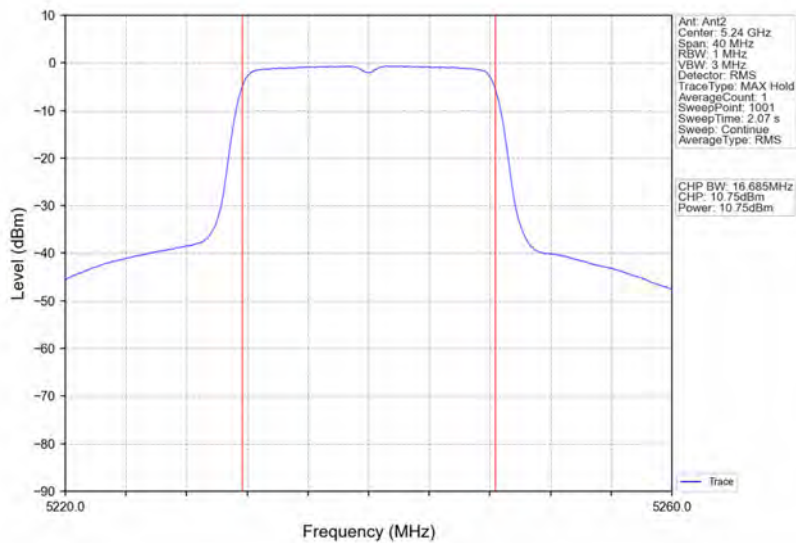
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802.11a_HCH_5240MHz_Ant2_NTNV



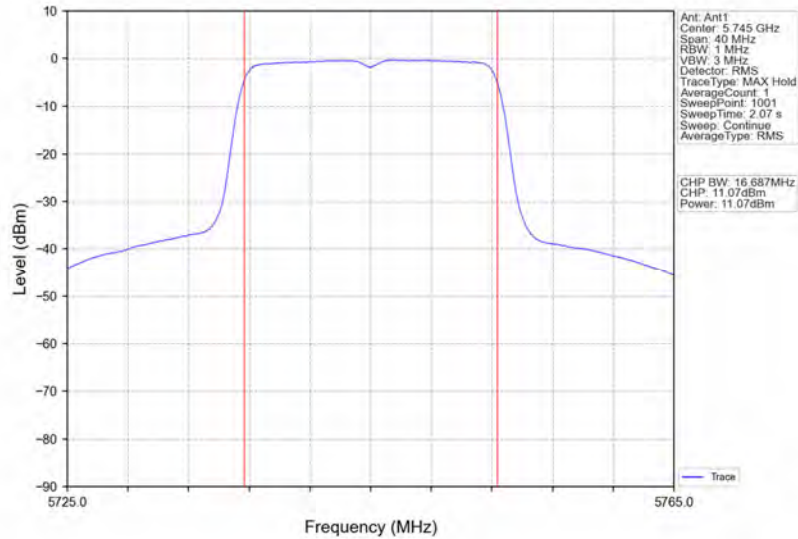
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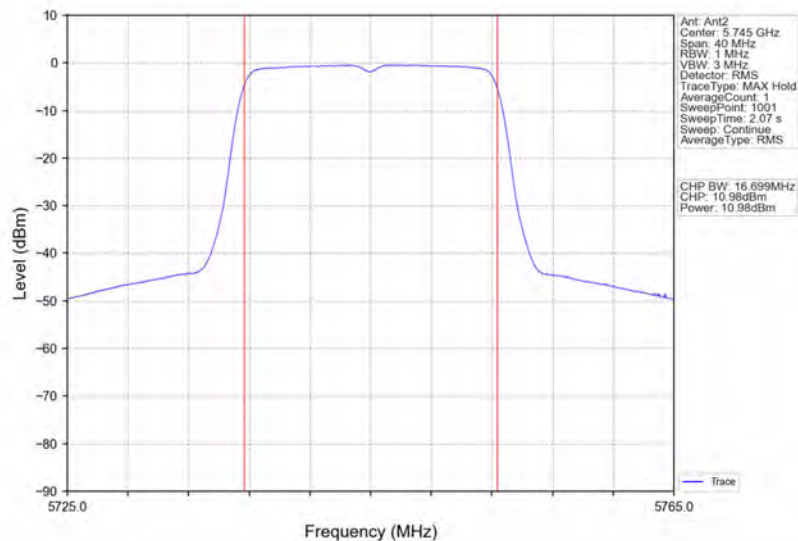
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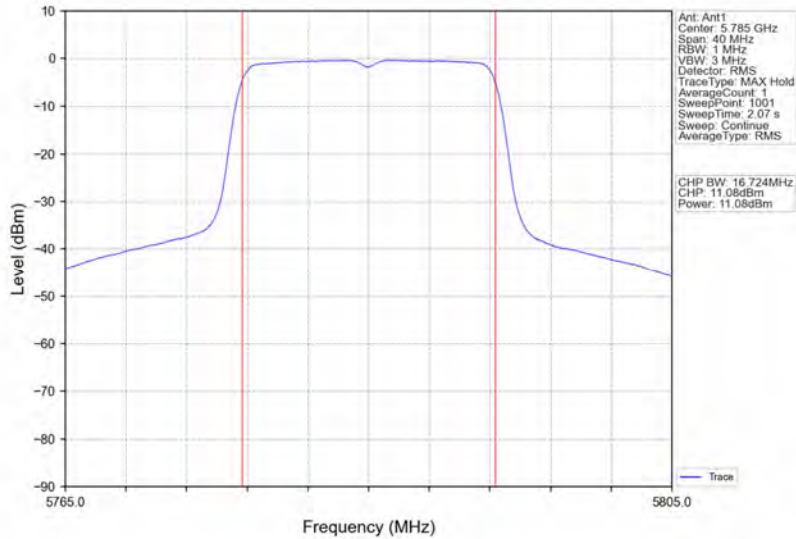
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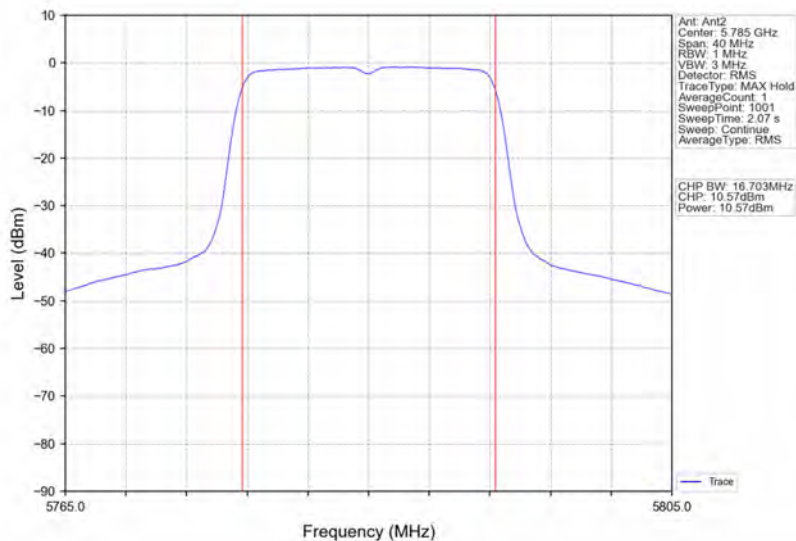
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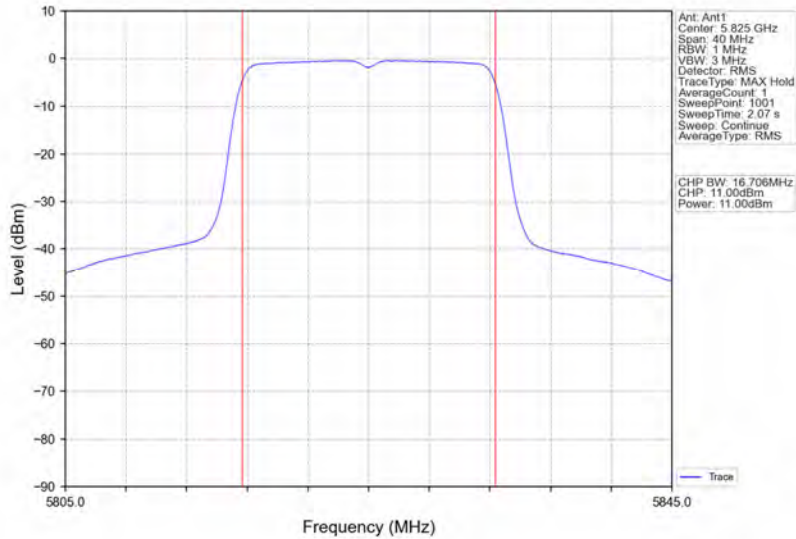
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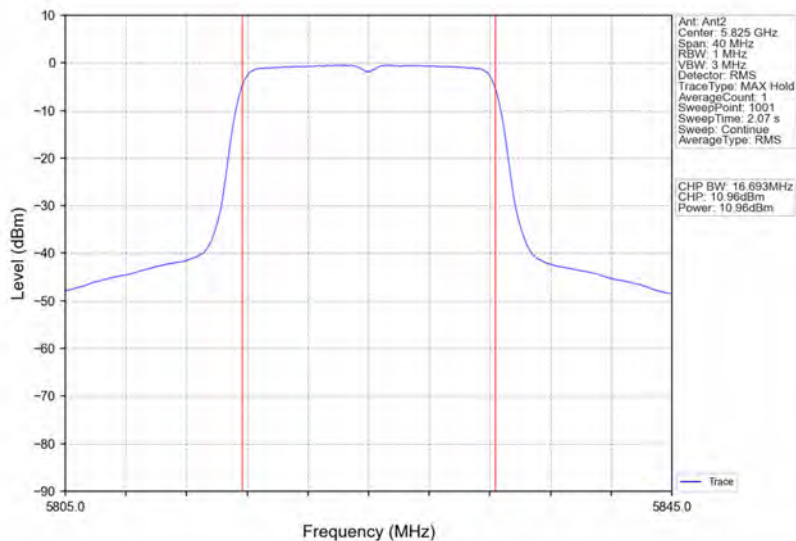
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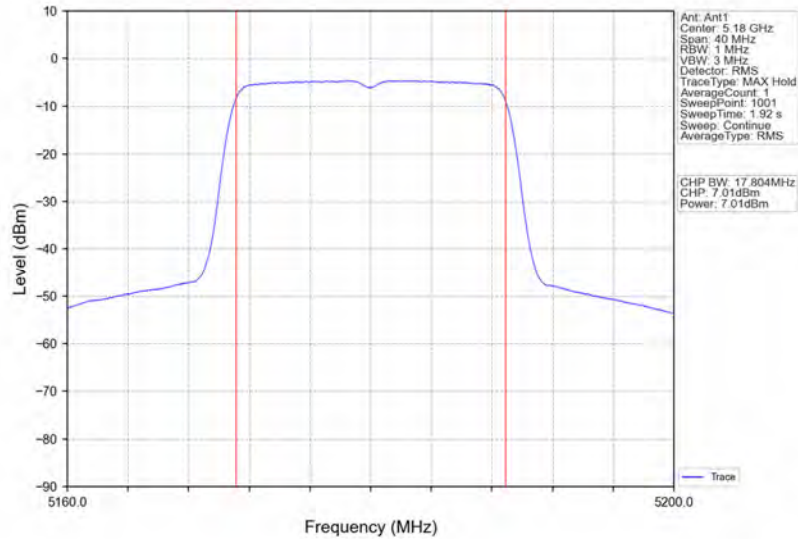
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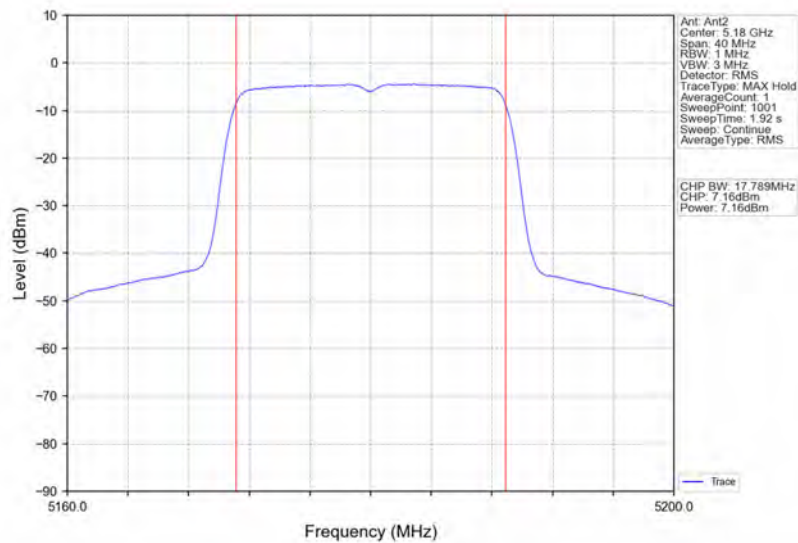
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802.11n(HT20) LCH_5180MHz_Ant2_NTNV



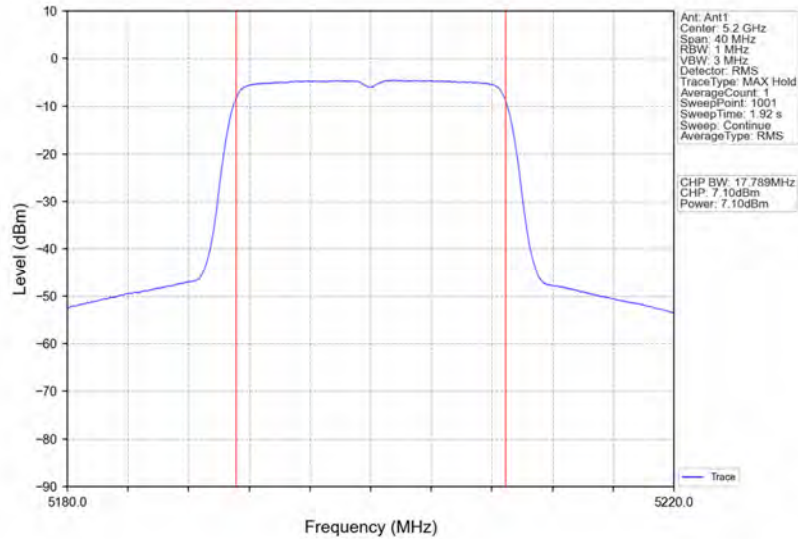
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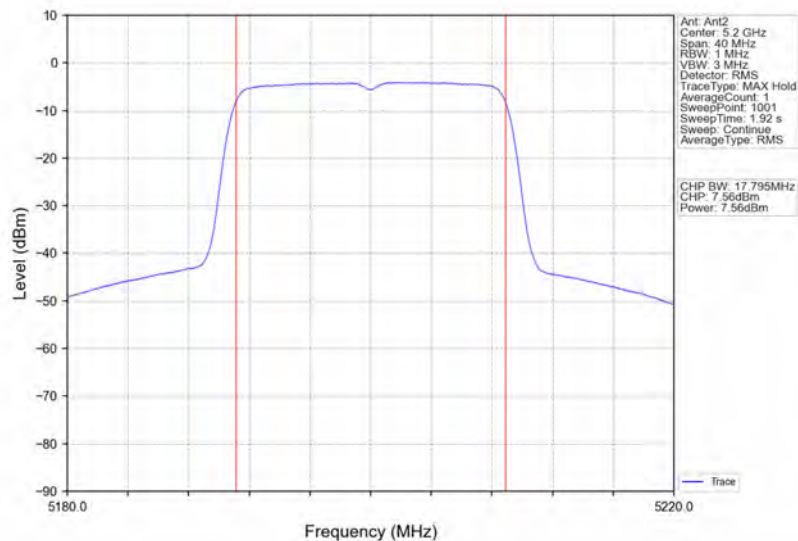
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802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



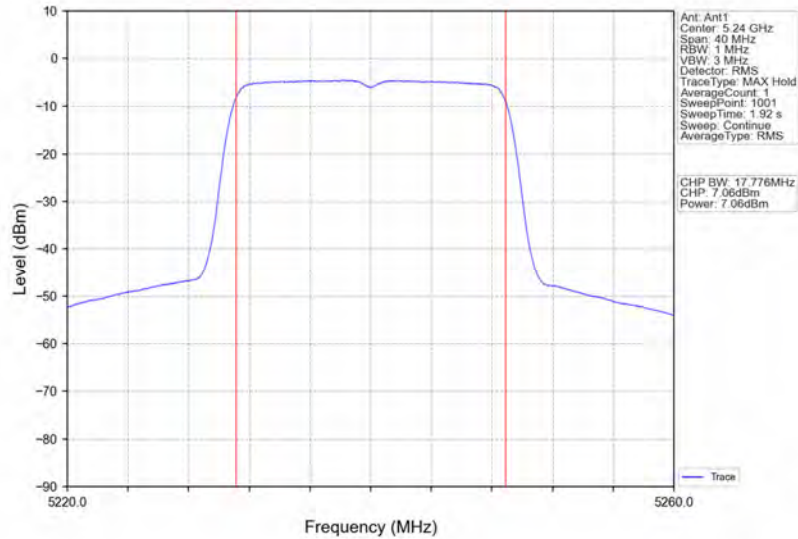
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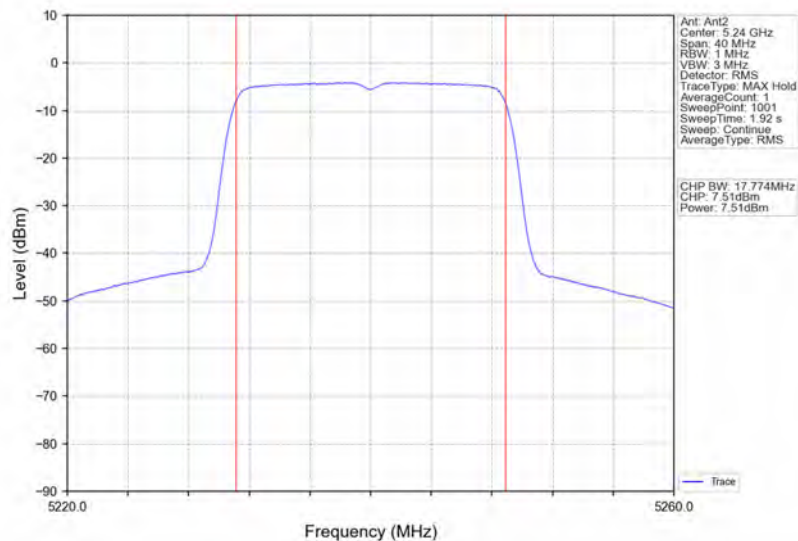
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



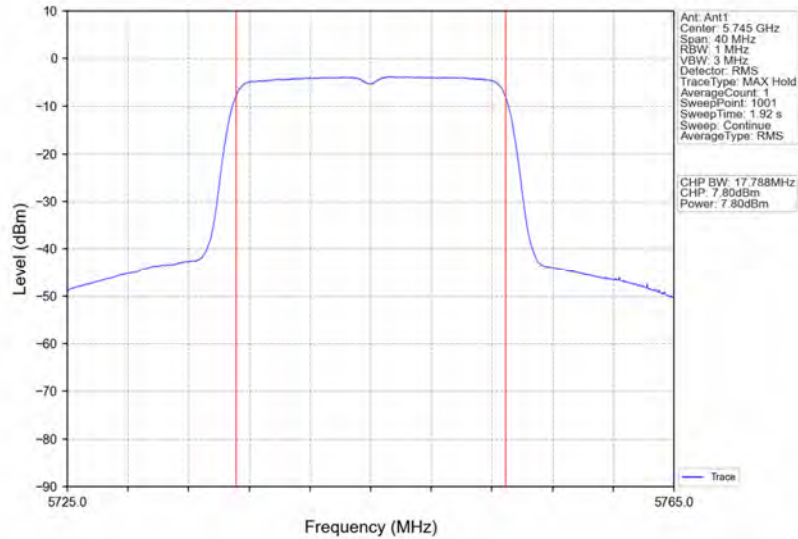
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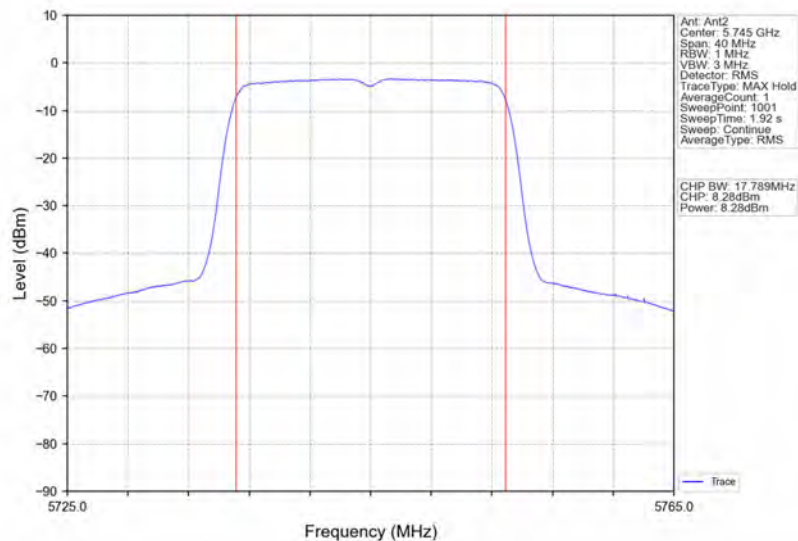
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



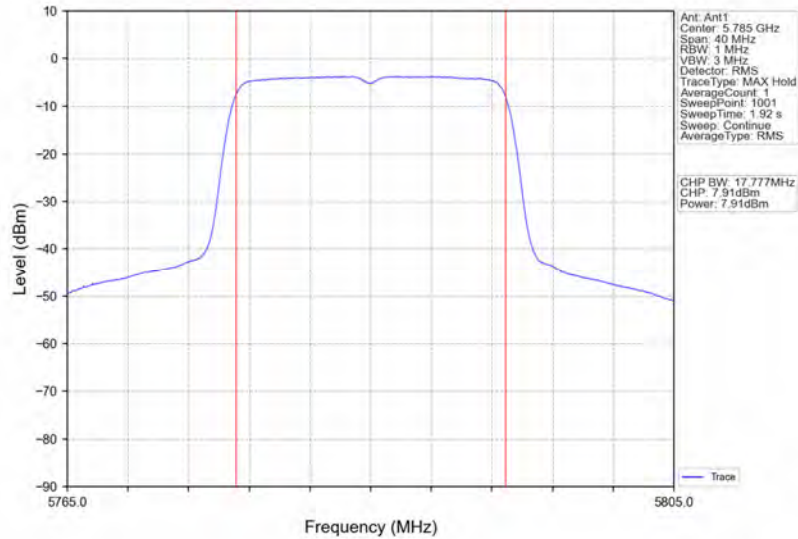
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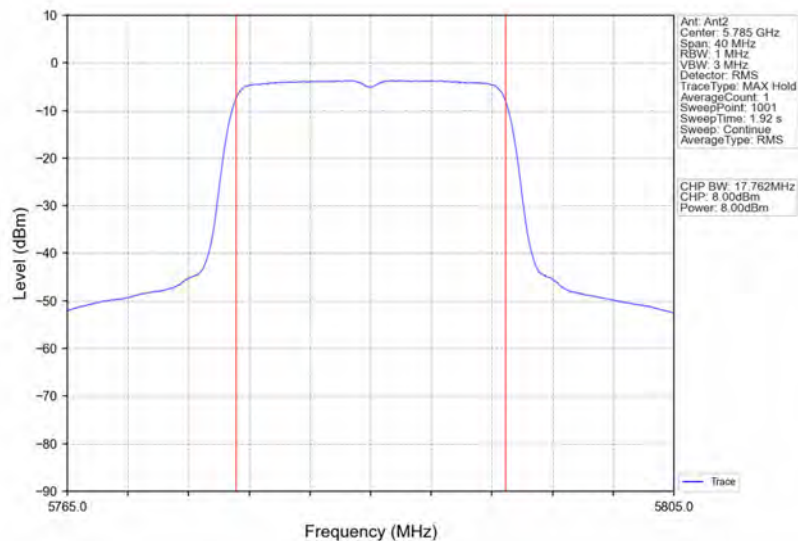
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



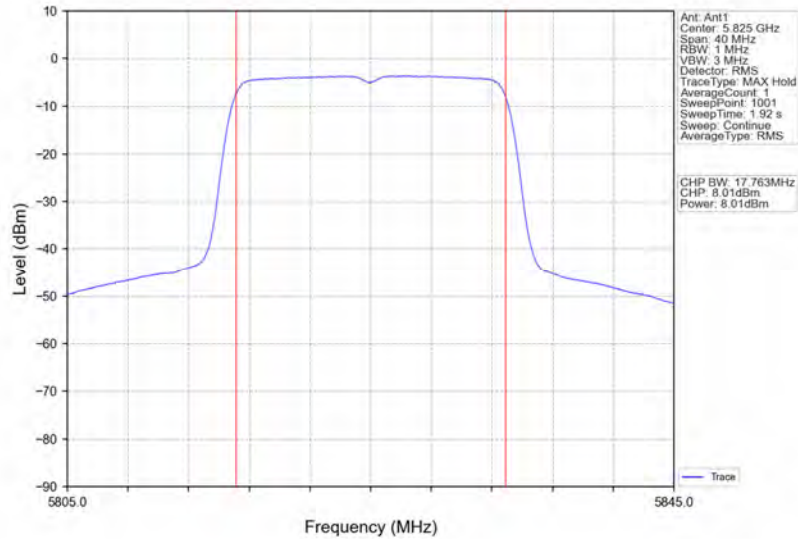
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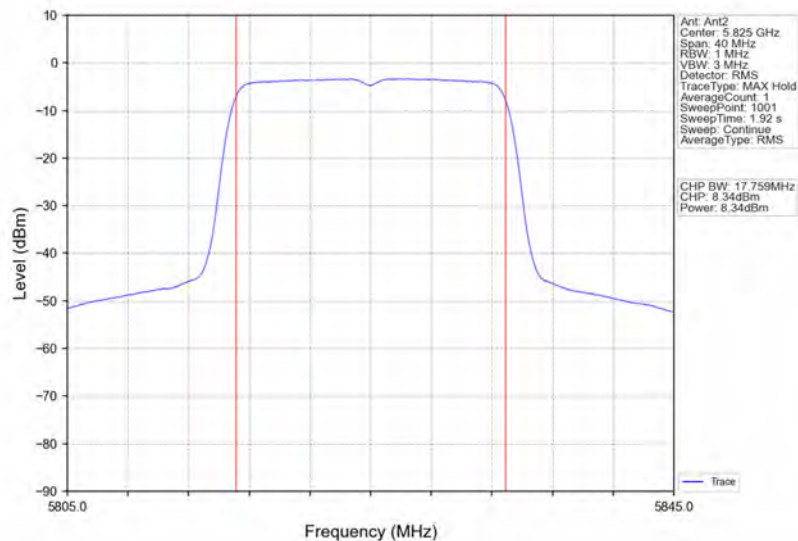
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



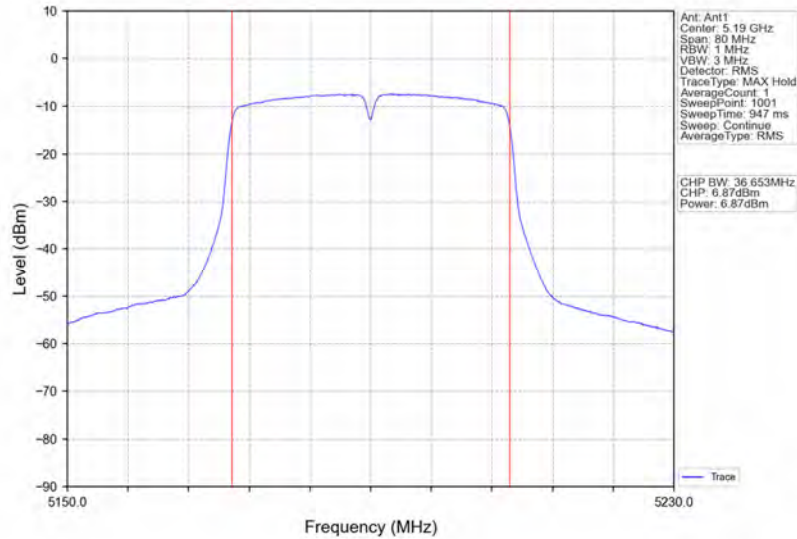
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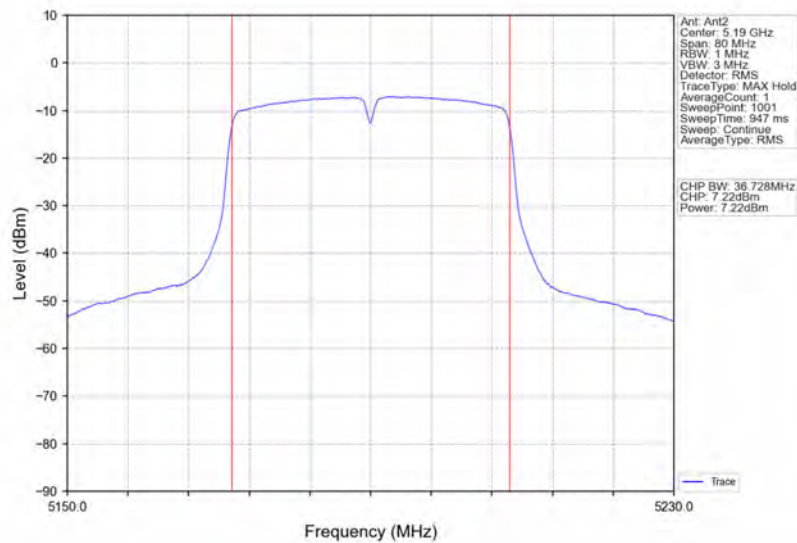
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



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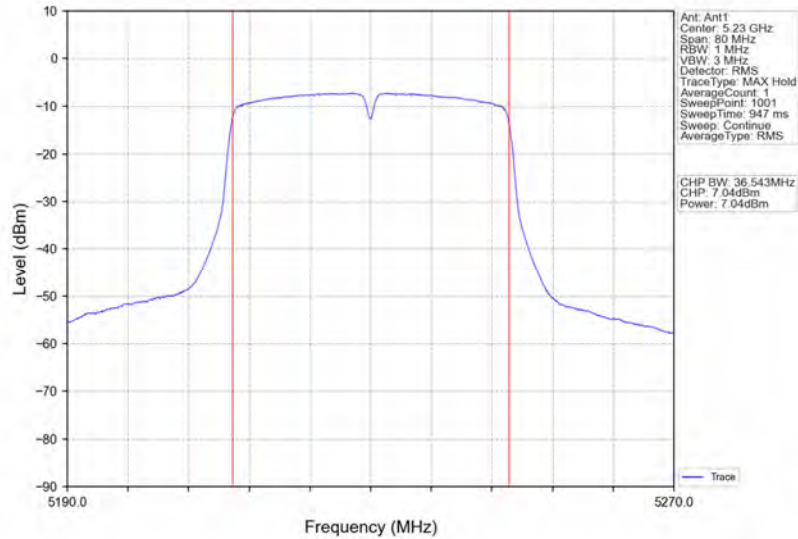
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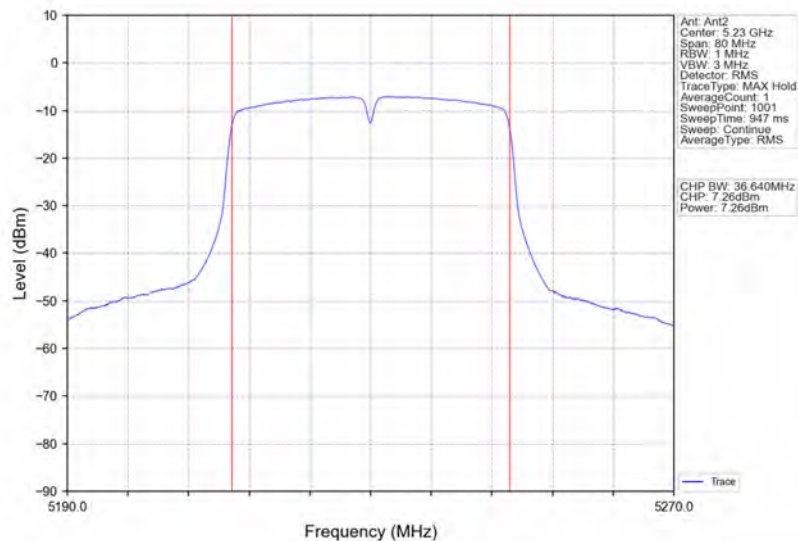
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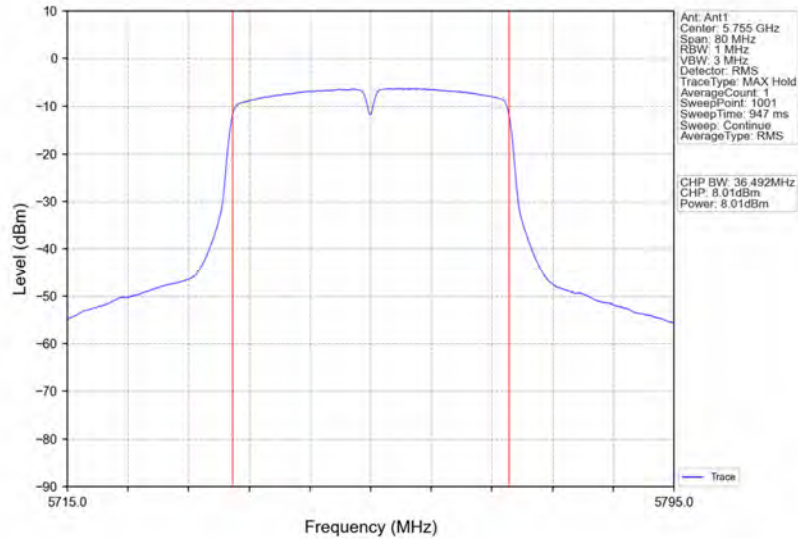
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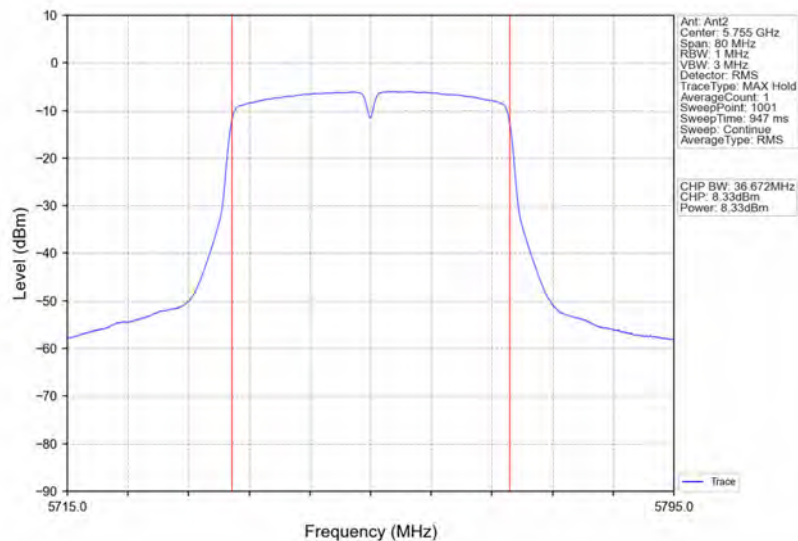
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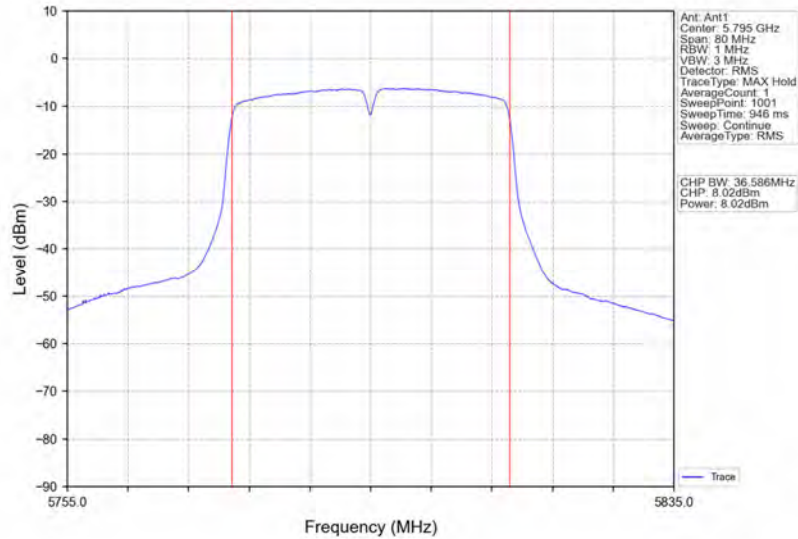
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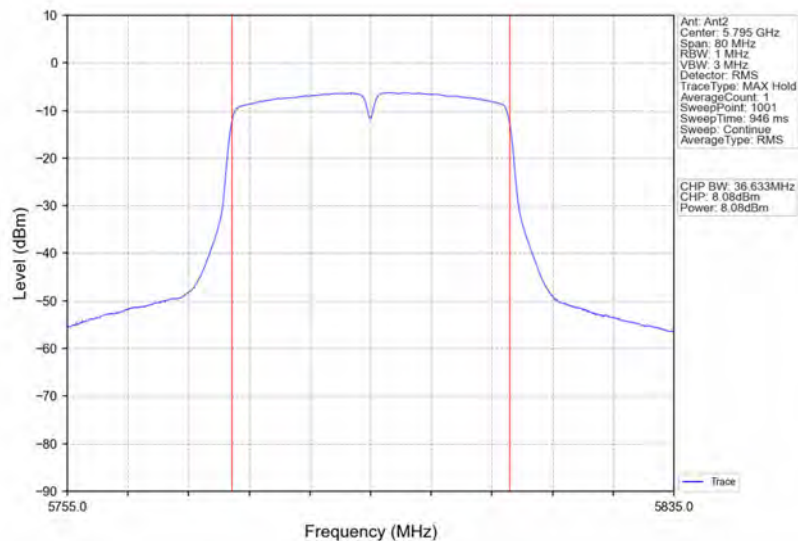
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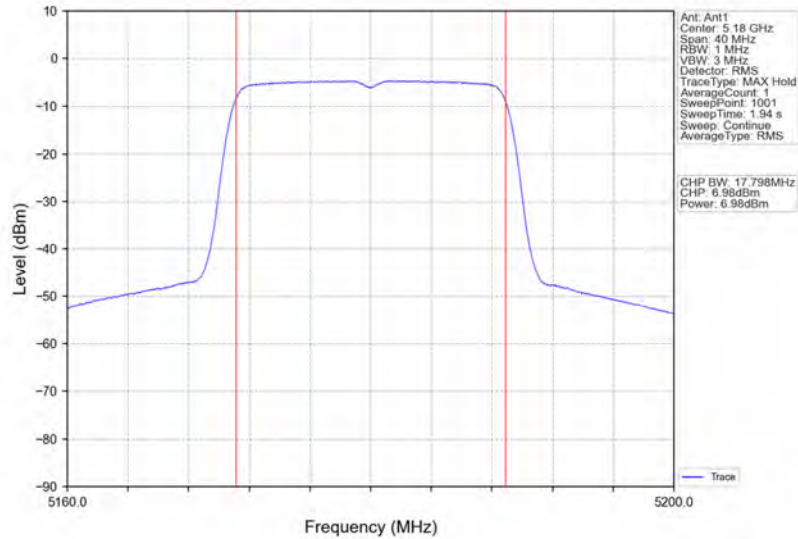
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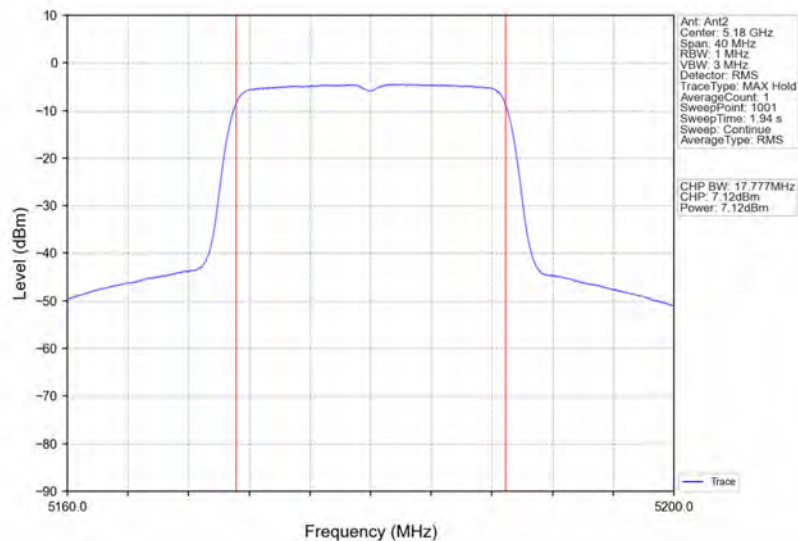
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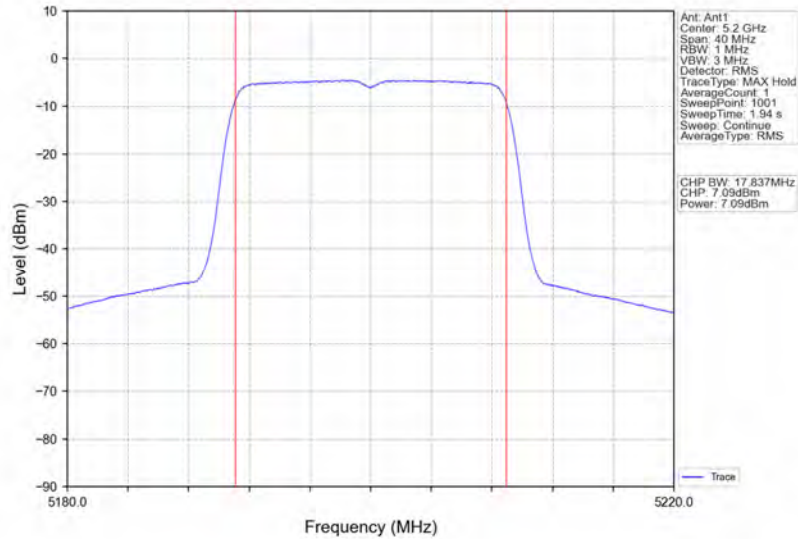
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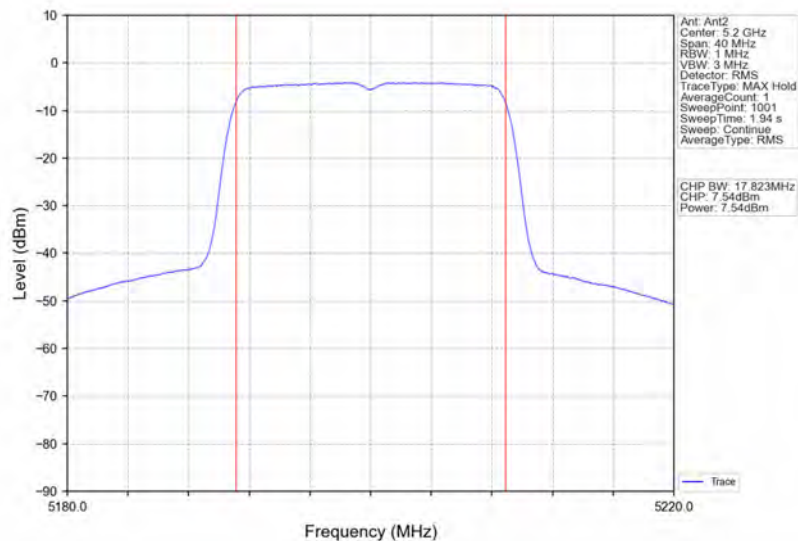
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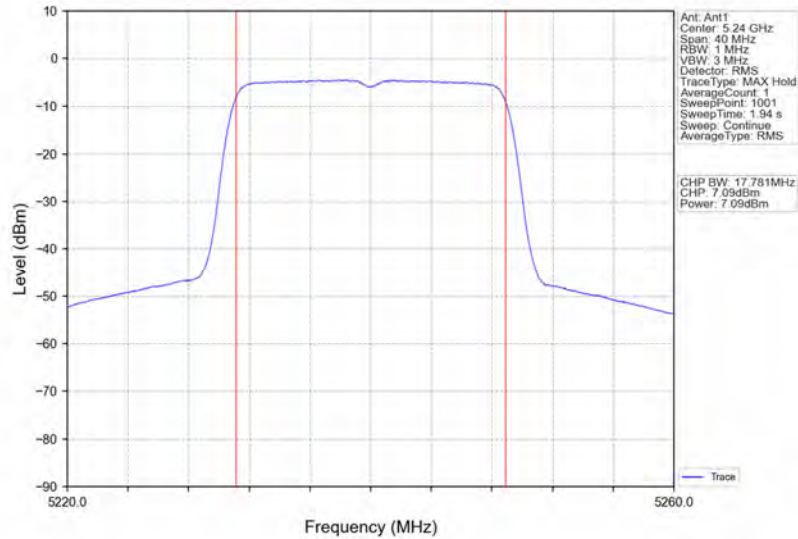
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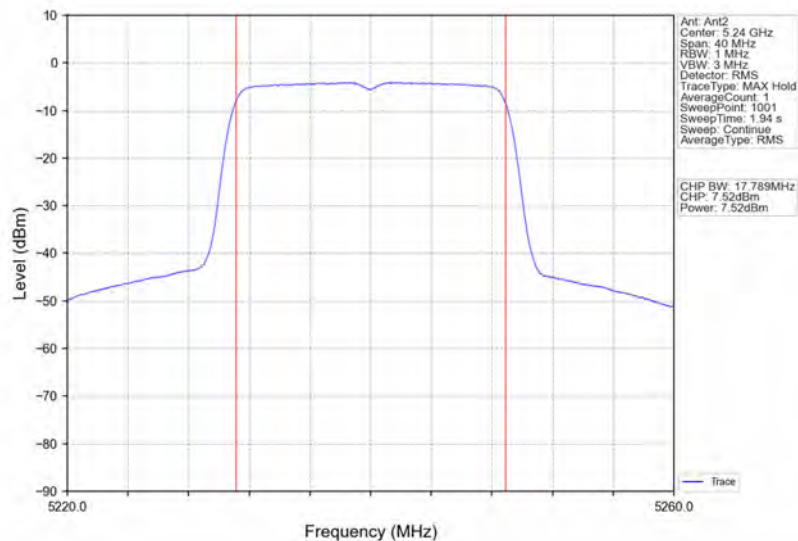
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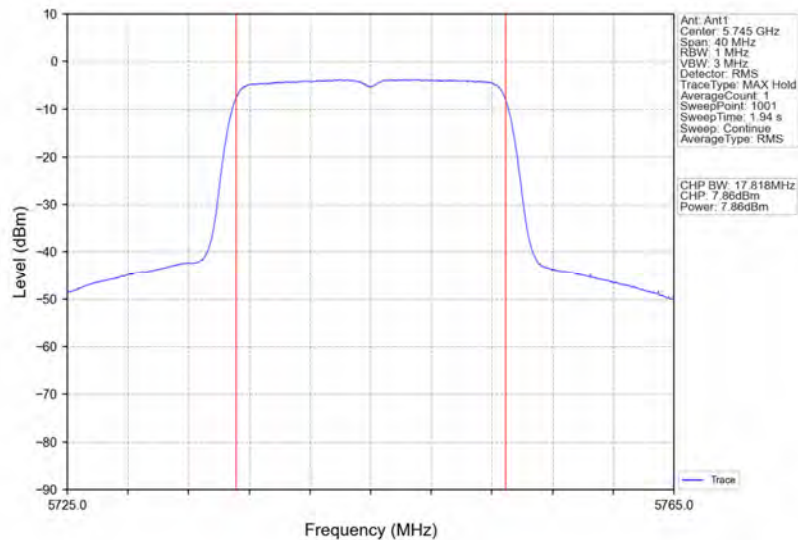
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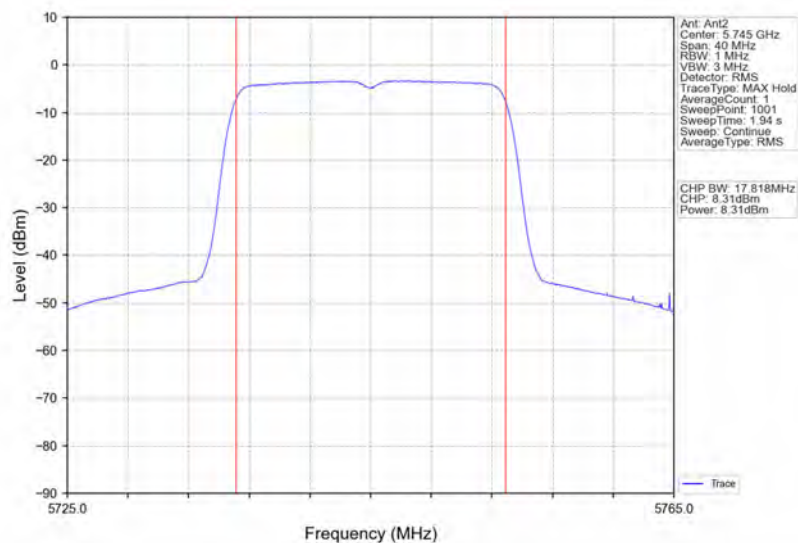
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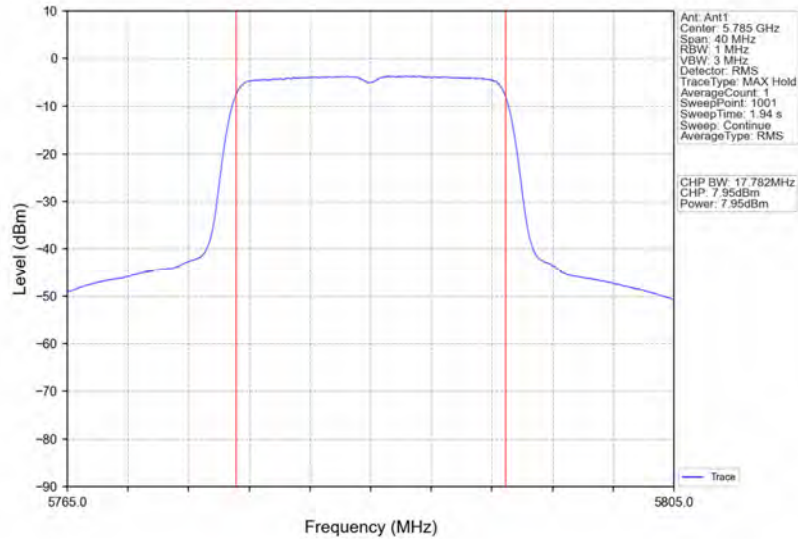
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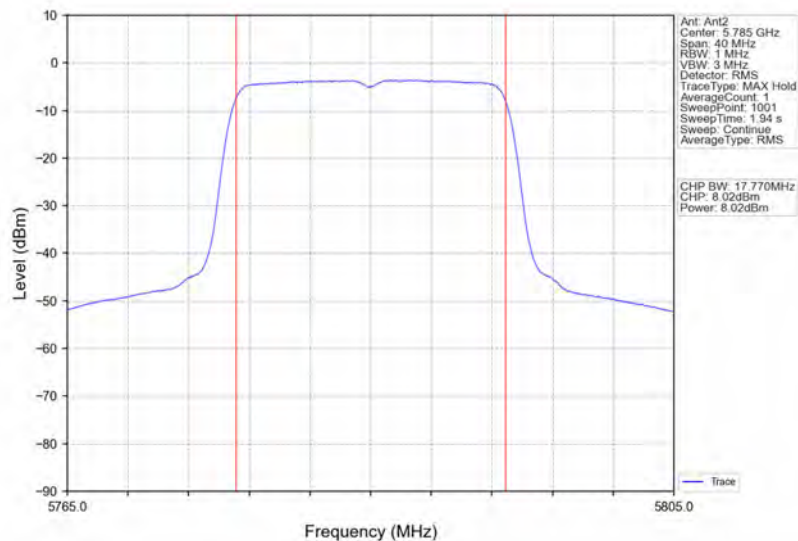
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802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



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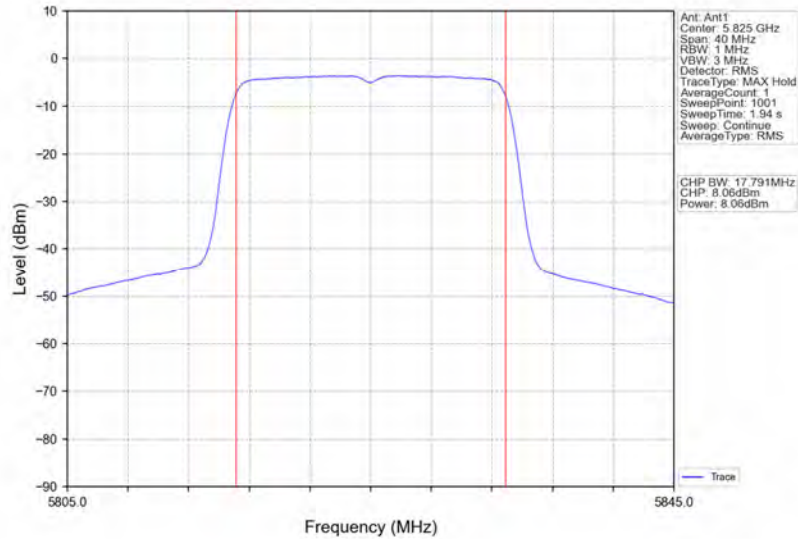
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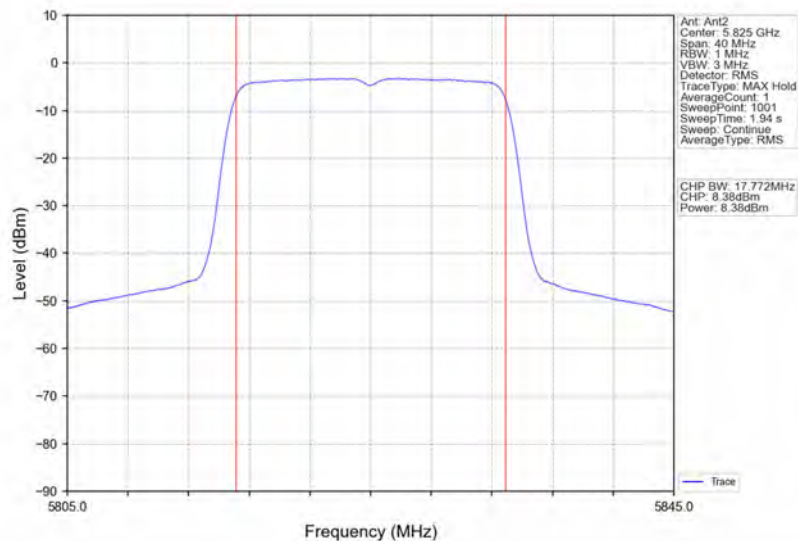
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



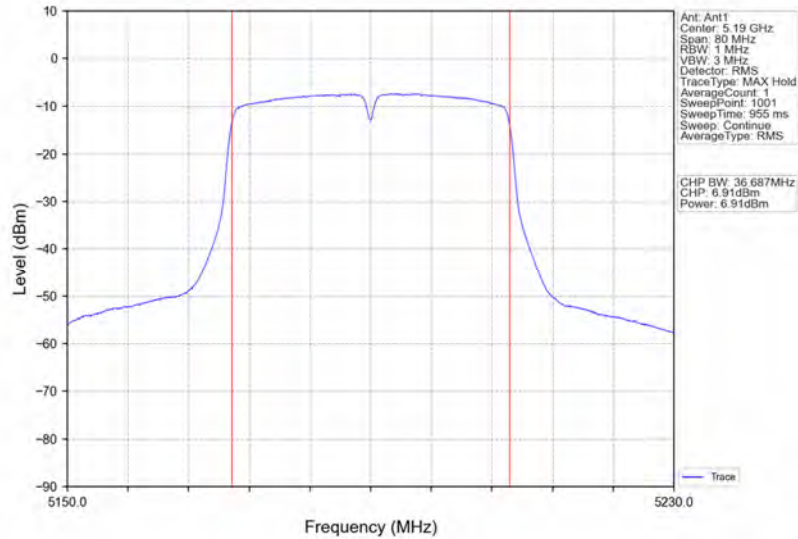
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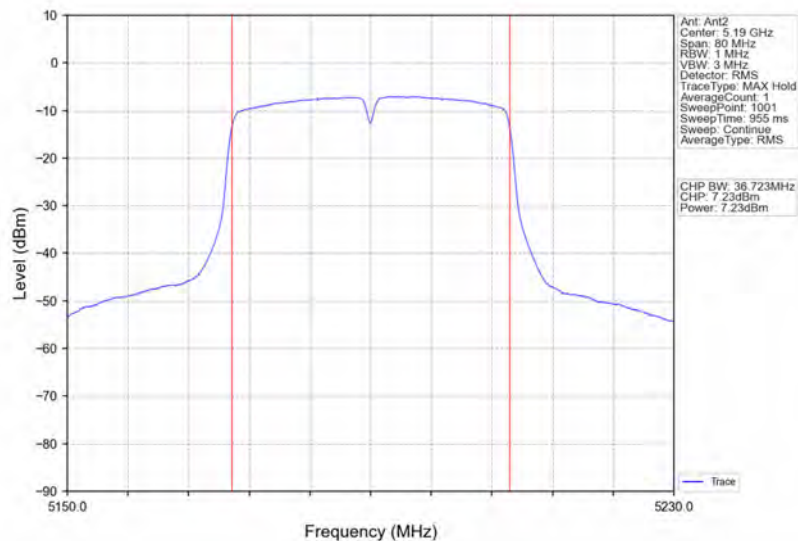
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



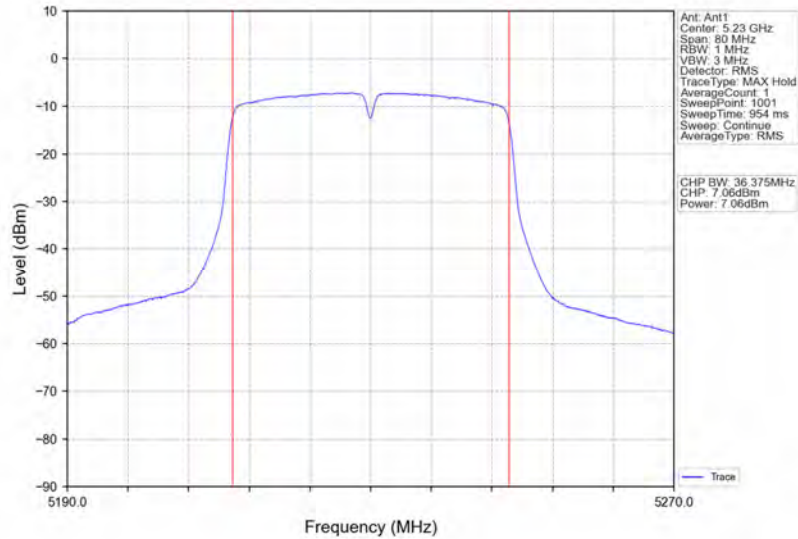
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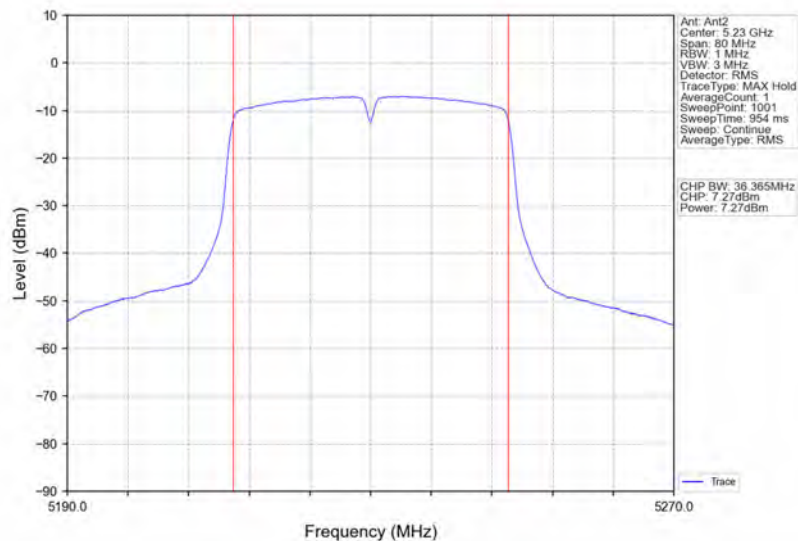
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



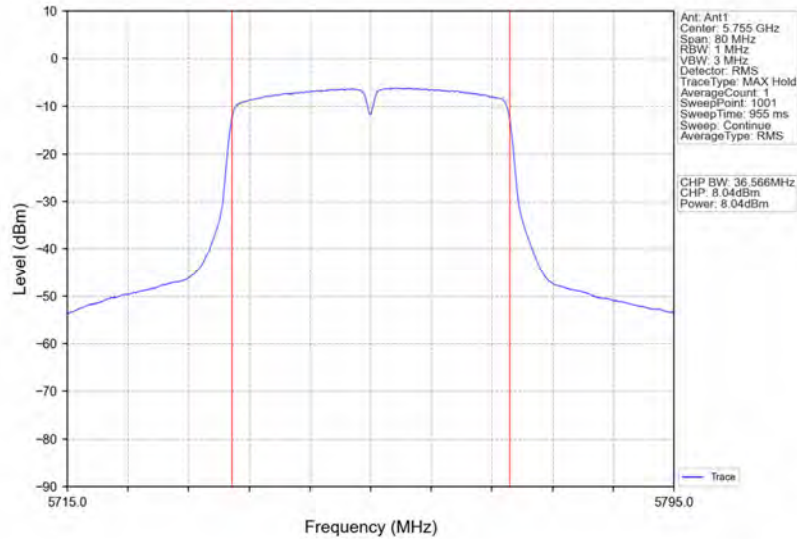
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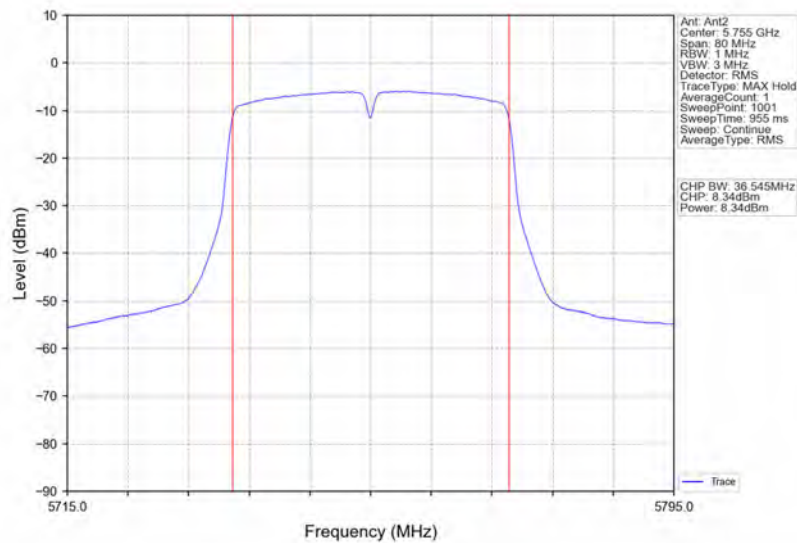
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802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



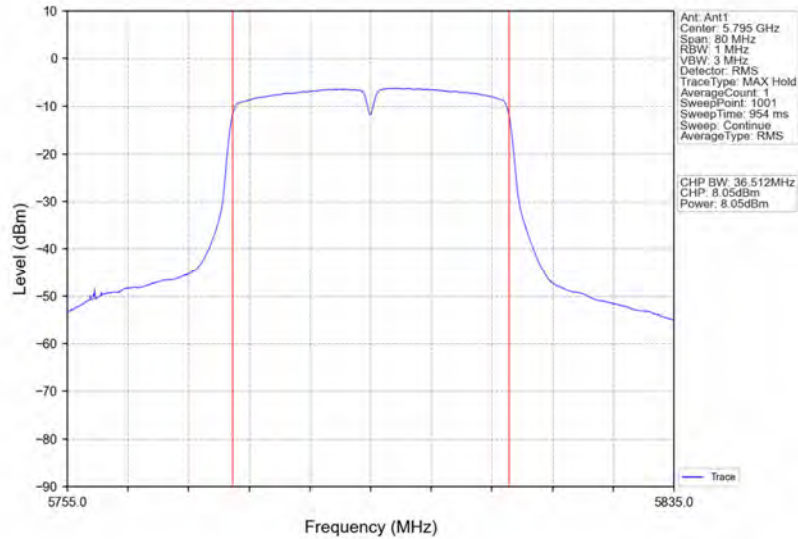
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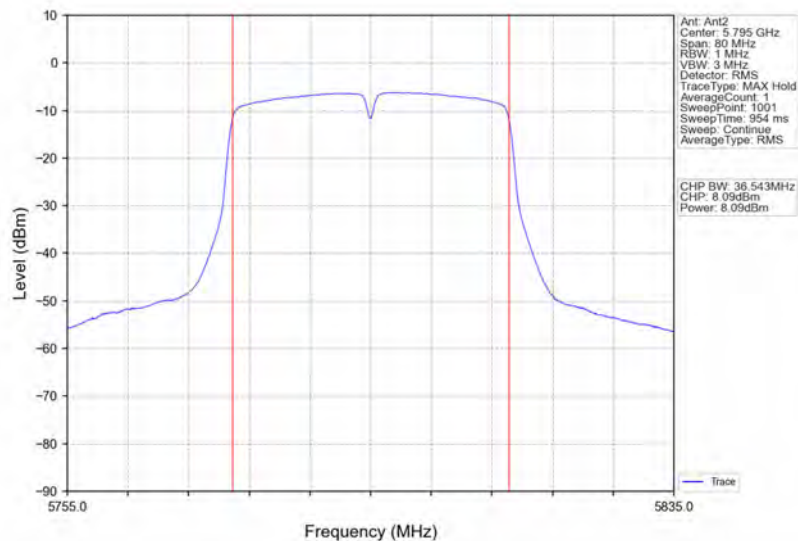
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



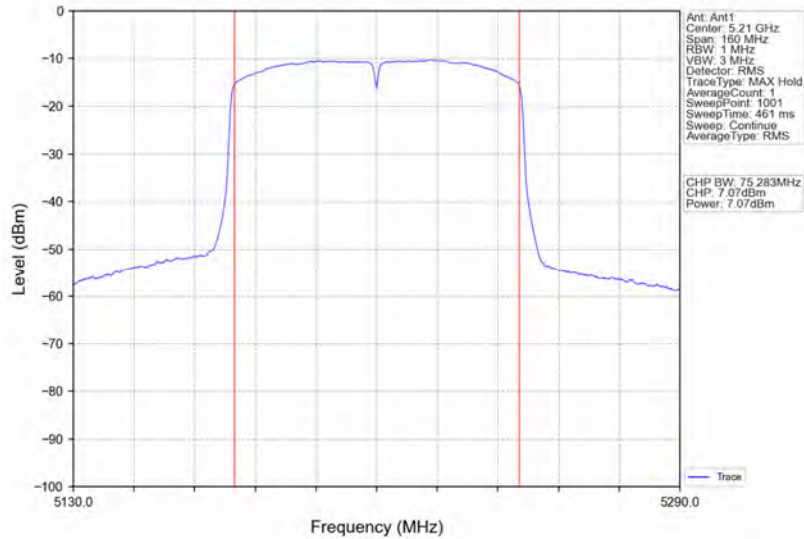
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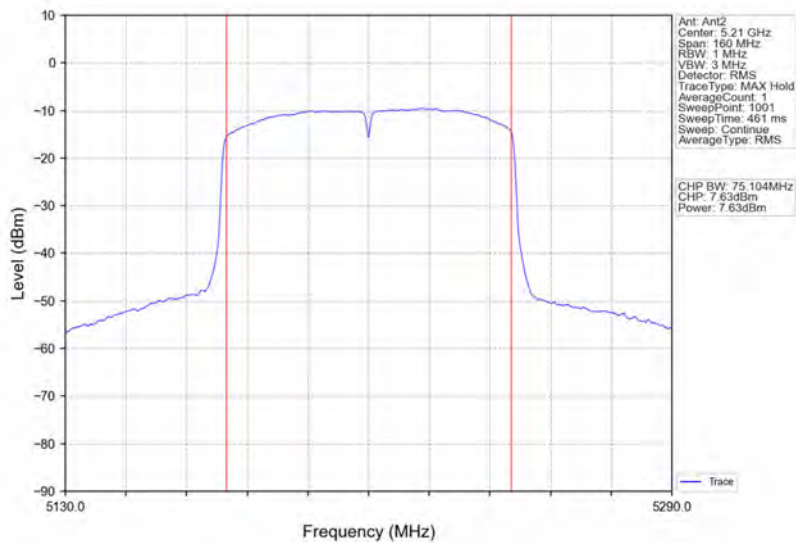
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802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



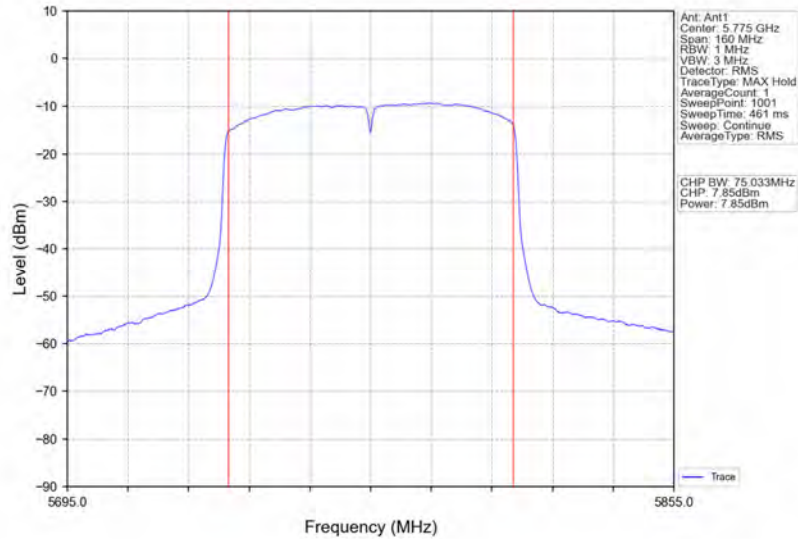
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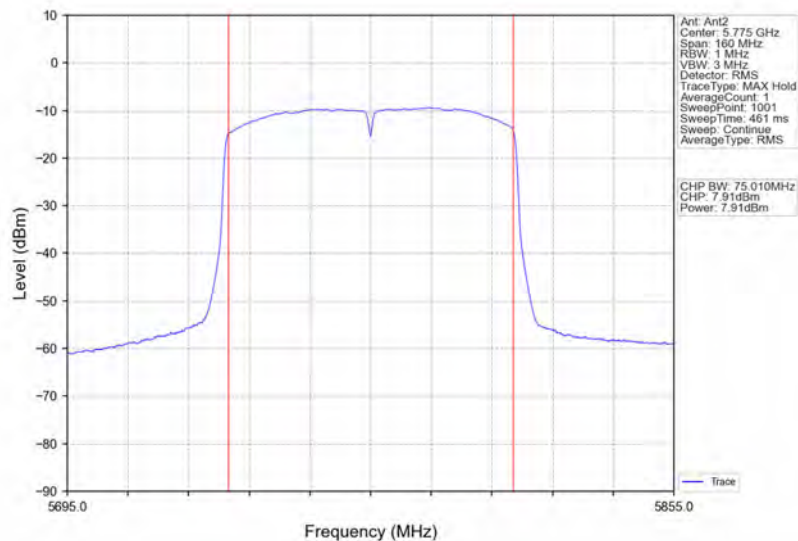
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4. Maximum Power Spectral Density

4.1 PSD For FCC

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-0.96	-1.01	/	<=11	Pass
		5200	-1.04	-0.63	/	<=11	Pass
		5240	-1.08	-0.68	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-4.67	-4.45	-1.55	<=11	Pass
		5200	-4.54	-4.07	-1.31	<=11	Pass
		5240	-4.56	-4.14	-1.35	<=11	Pass
802.11n (HT40)	MIMO	5190	-7.44	-7.03	-4.25	<=11	Pass
		5230	-7.30	-7.08	-4.20	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-4.68	-4.48	-1.58	<=11	Pass
		5200	-4.57	-4.11	-1.34	<=11	Pass
		5240	-4.50	-4.11	-1.29	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-7.41	-7.07	-4.24	<=11	Pass
		5230	-7.24	-7.07	-4.17	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-10.24	-9.50	-6.85	<=11	Pass

Note1: Antenna Gain: Ant1: 0.45dBi; Ant2: -0.92dBi;



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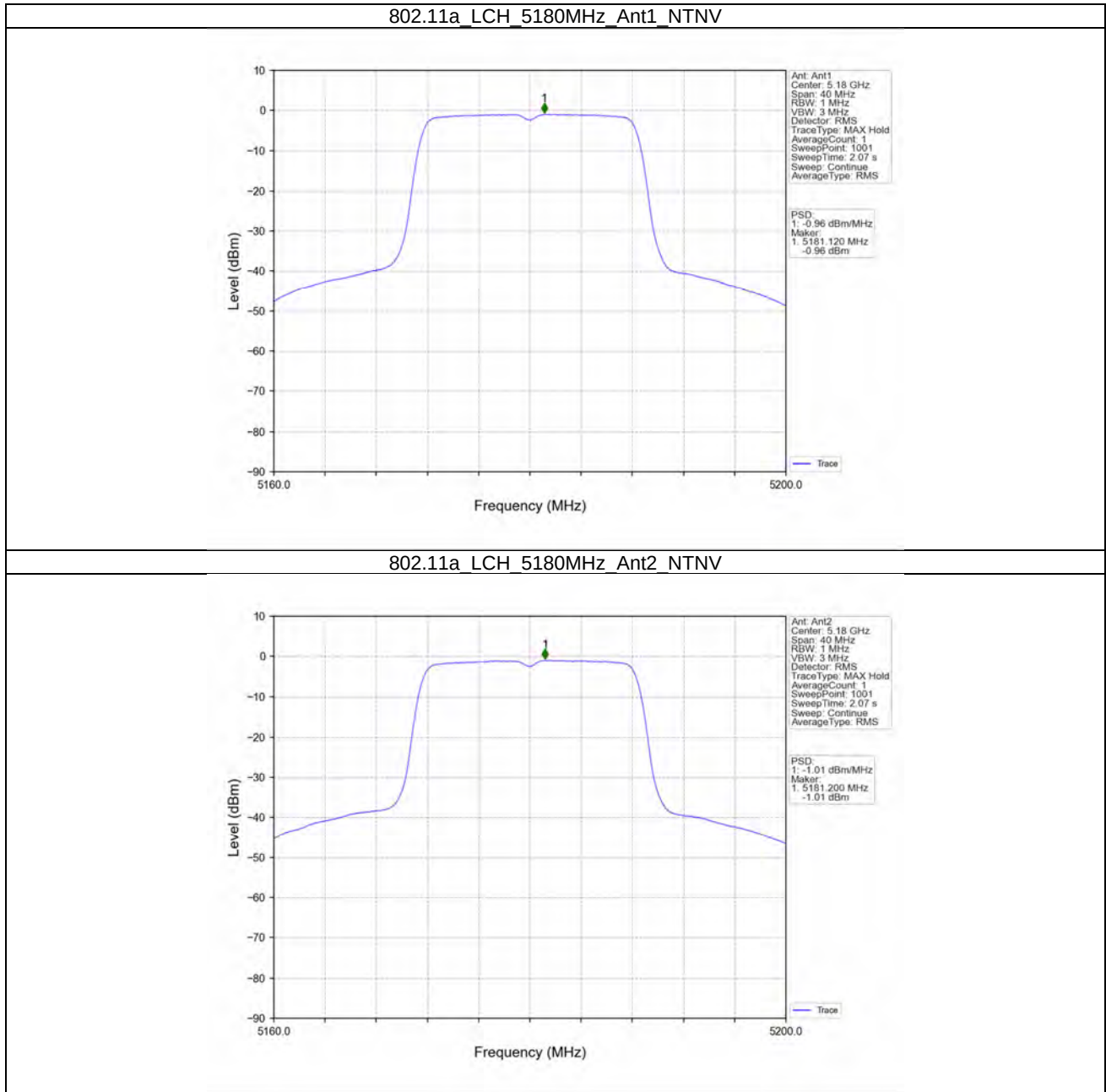
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4.2.2 Test Graph



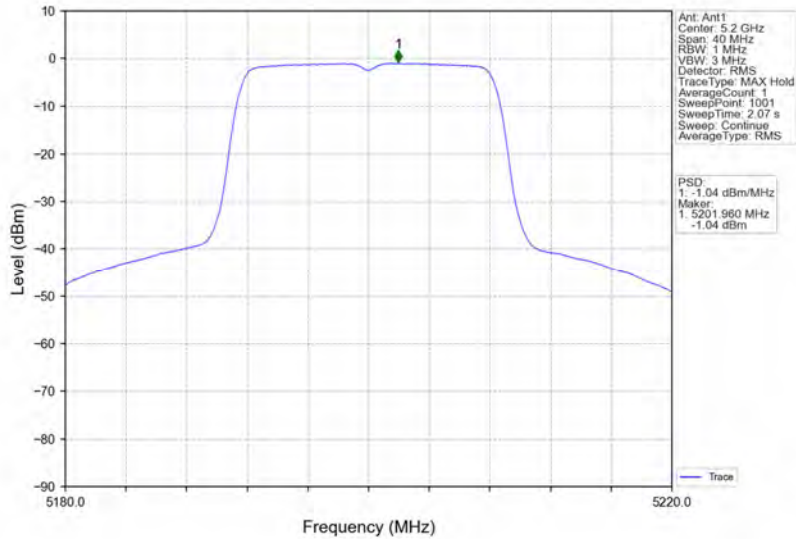
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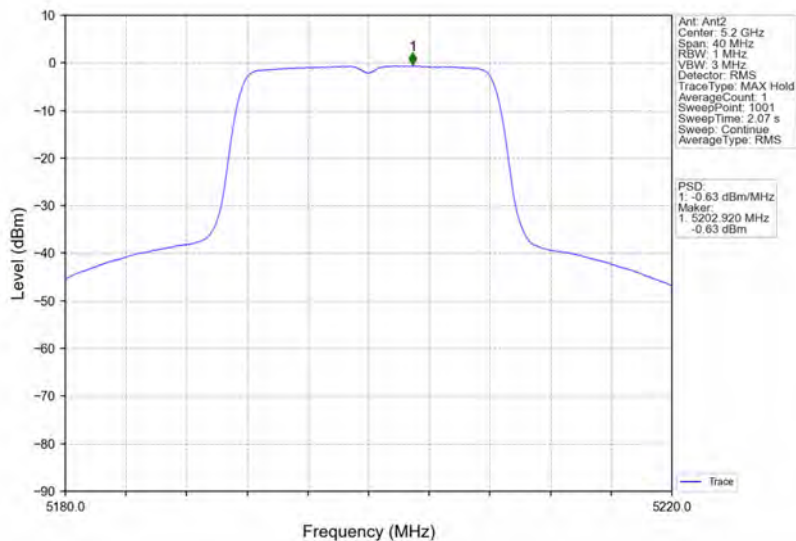
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802.11a_MCH_5200MHz_Ant2_NTNV



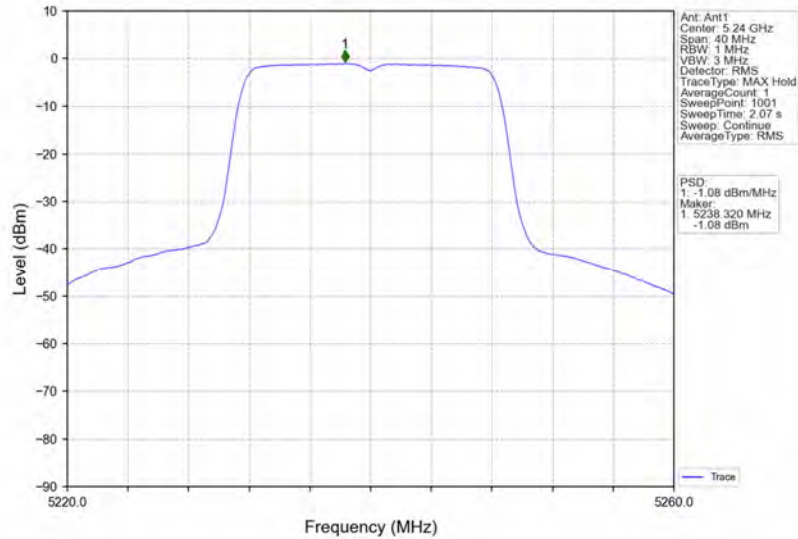
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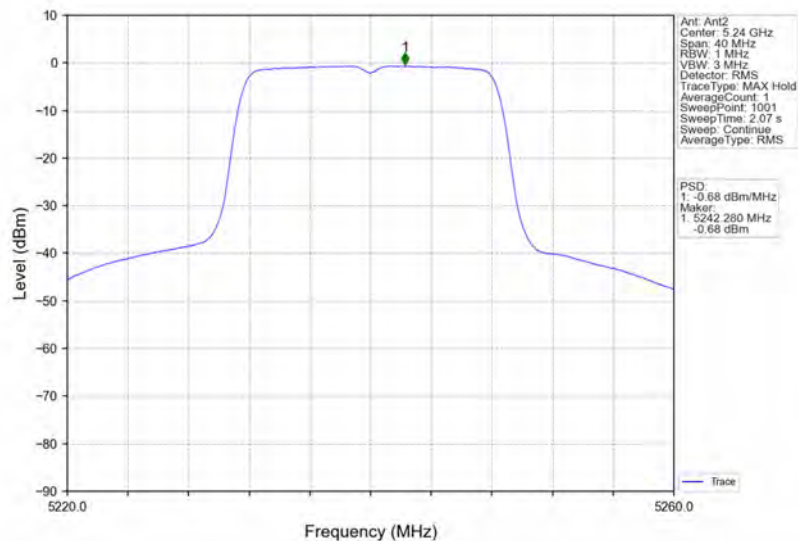
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802.11a_HCH_5240MHz_Ant2_NTNV



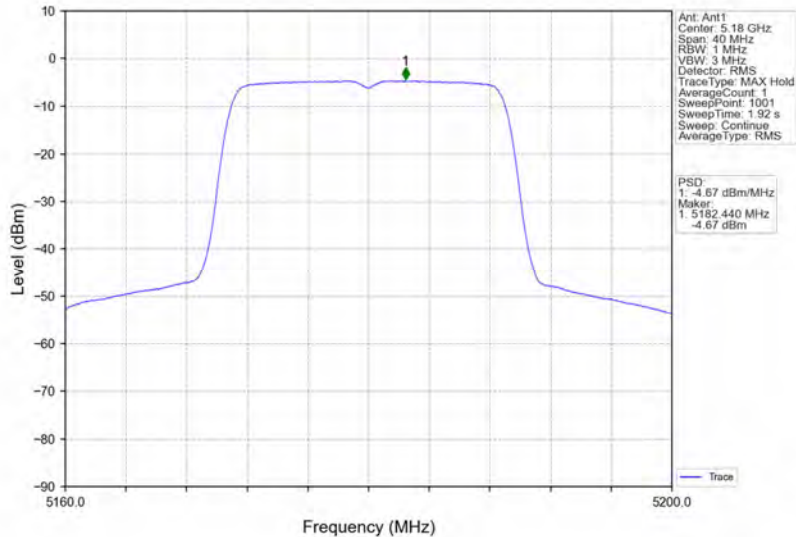
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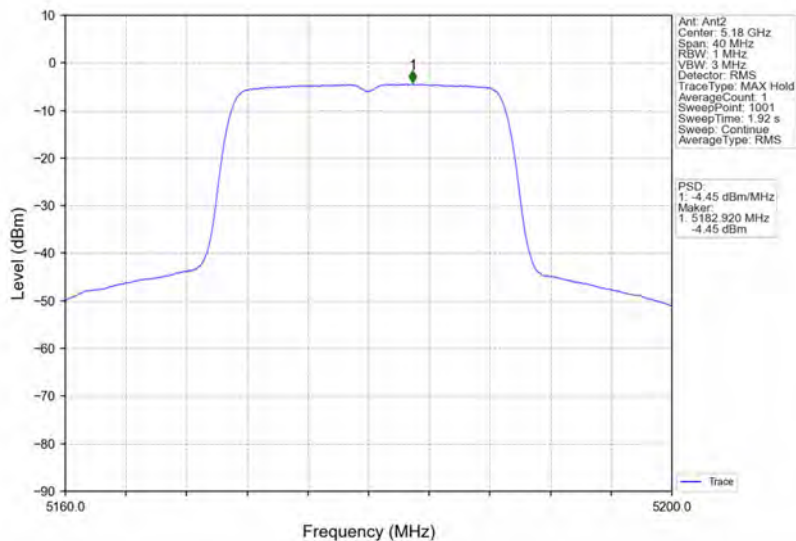
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802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



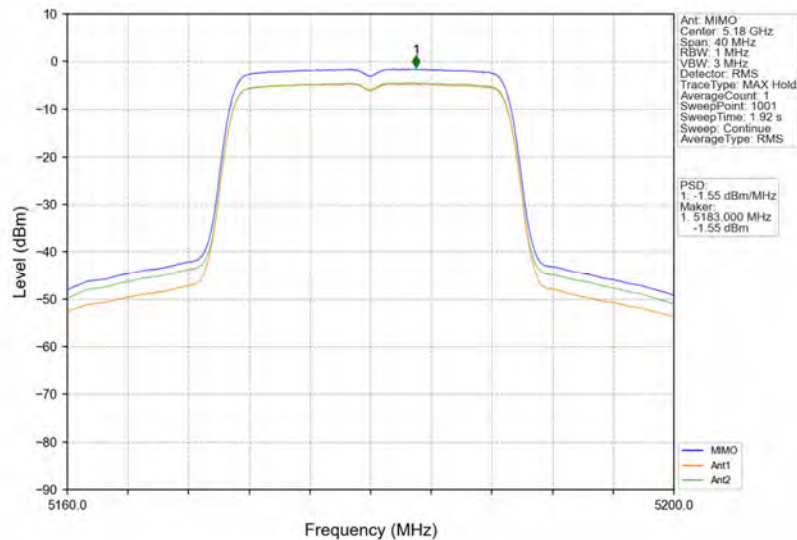
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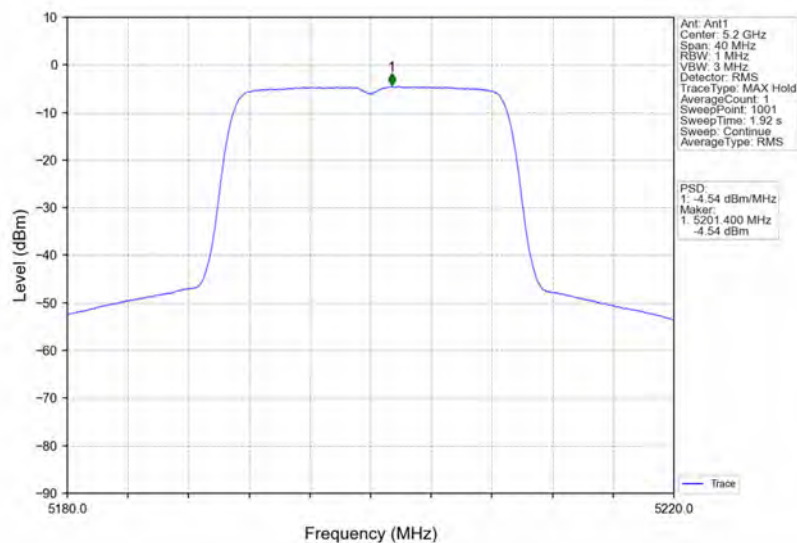
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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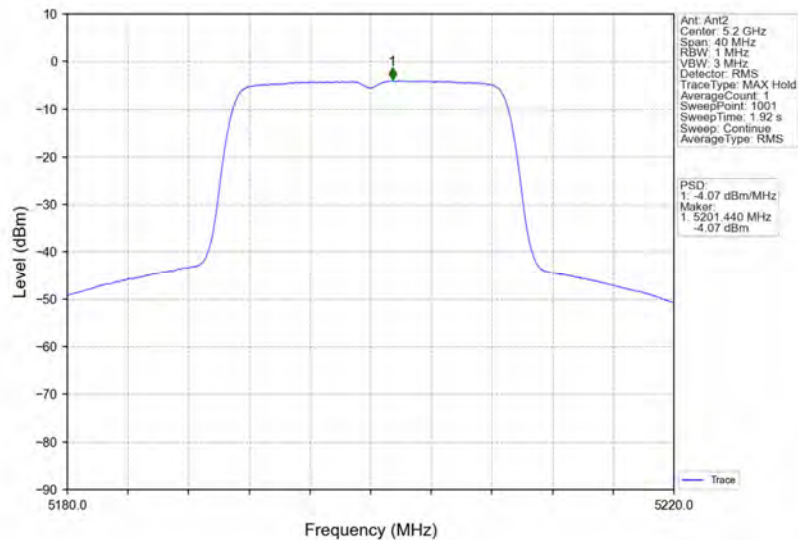
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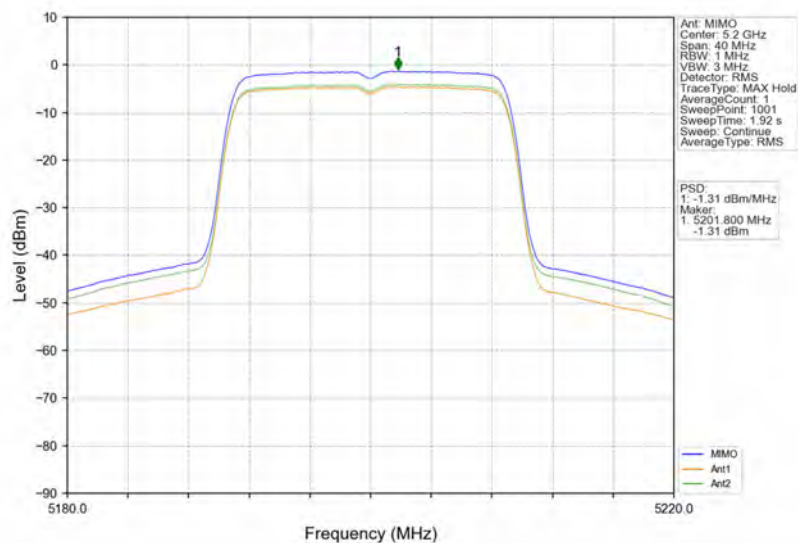
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802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



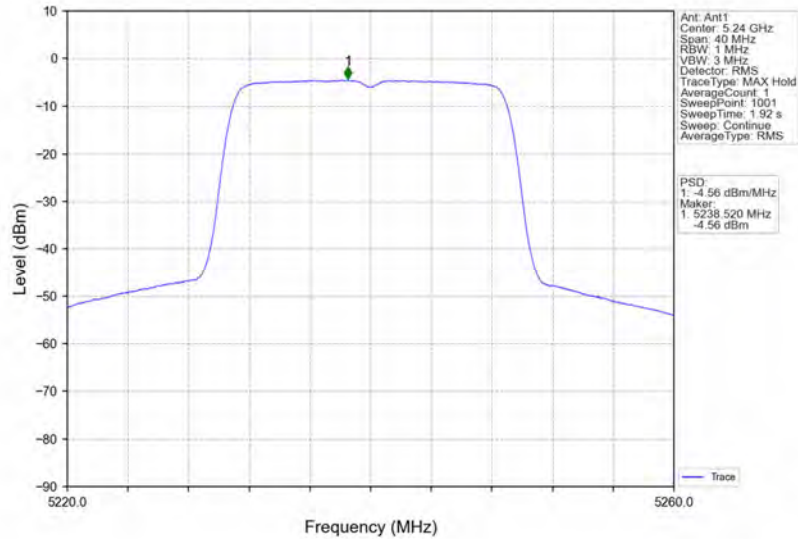
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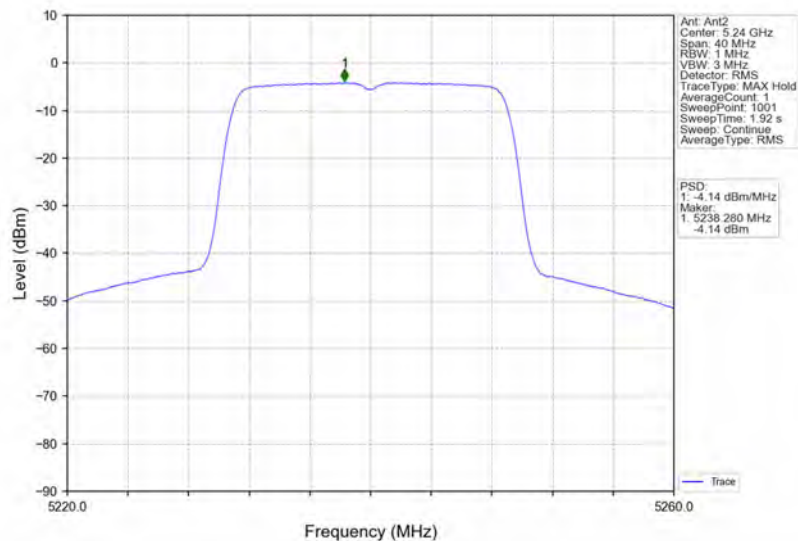
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



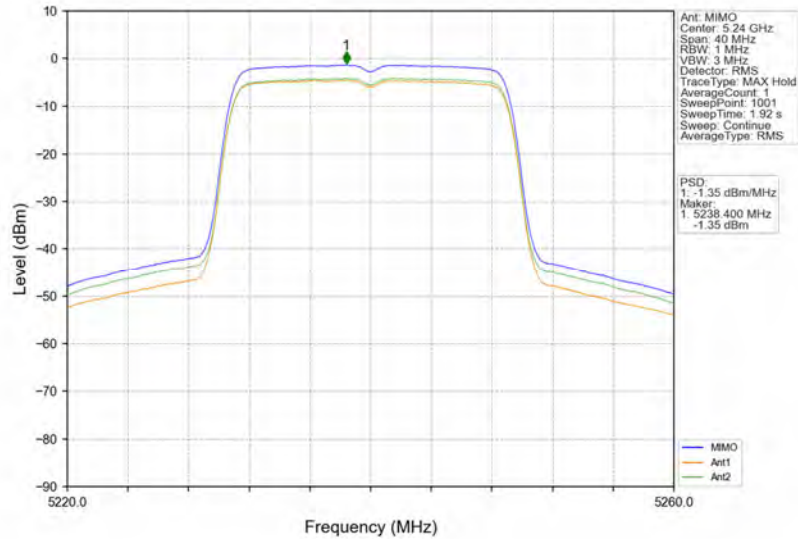
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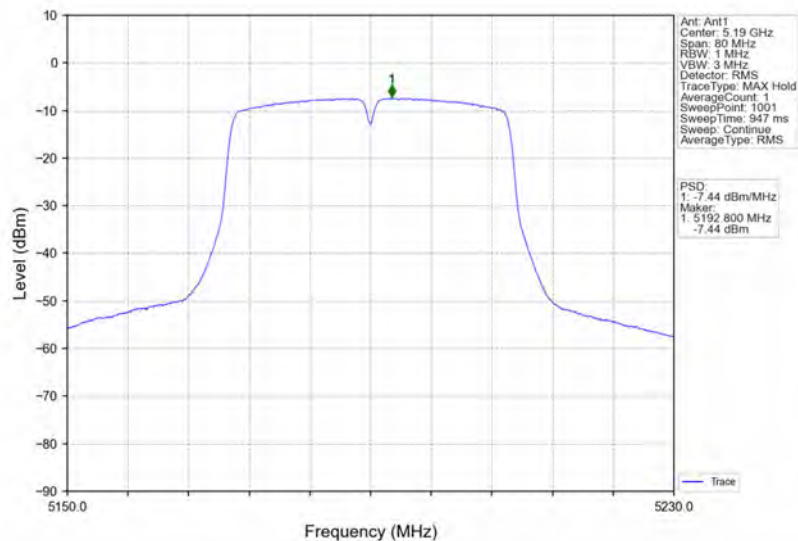
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802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



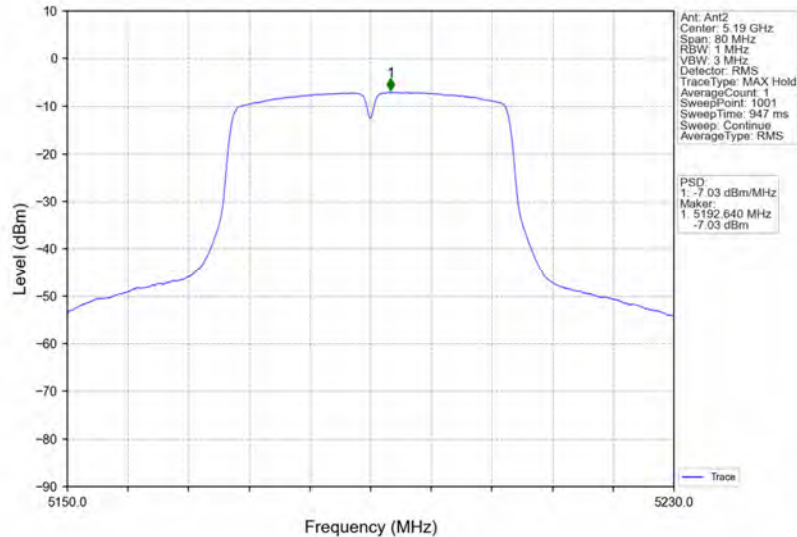
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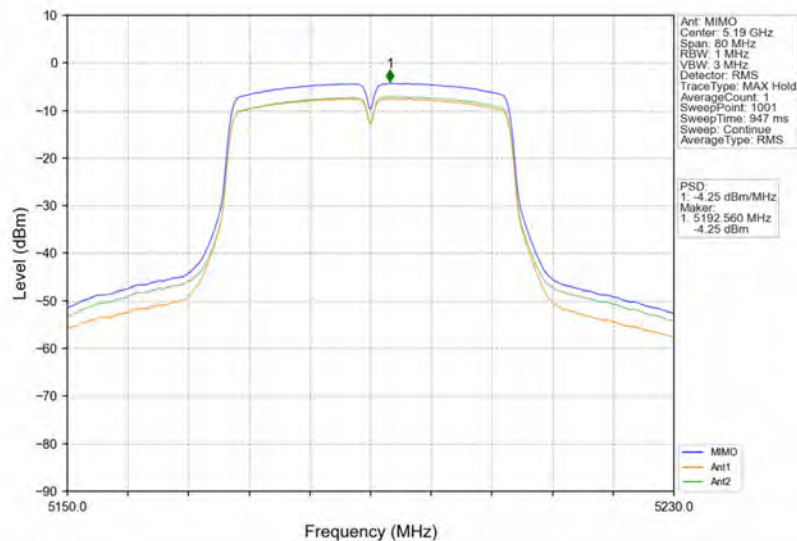
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802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



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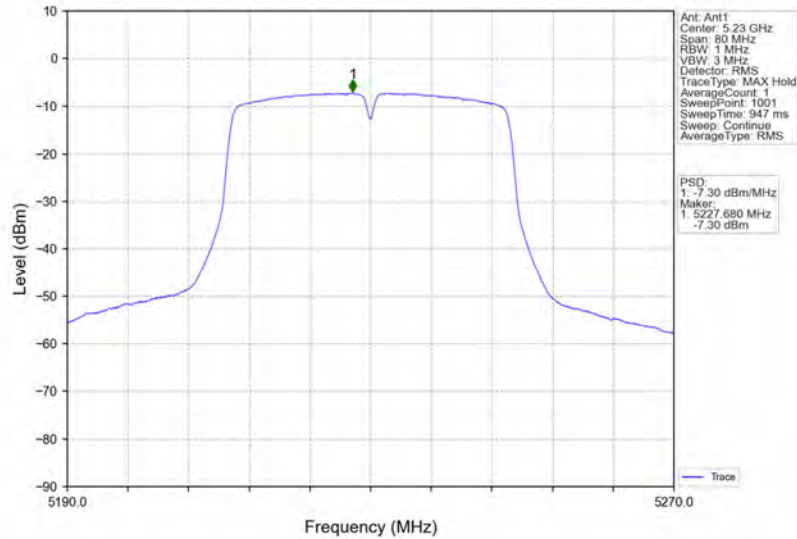
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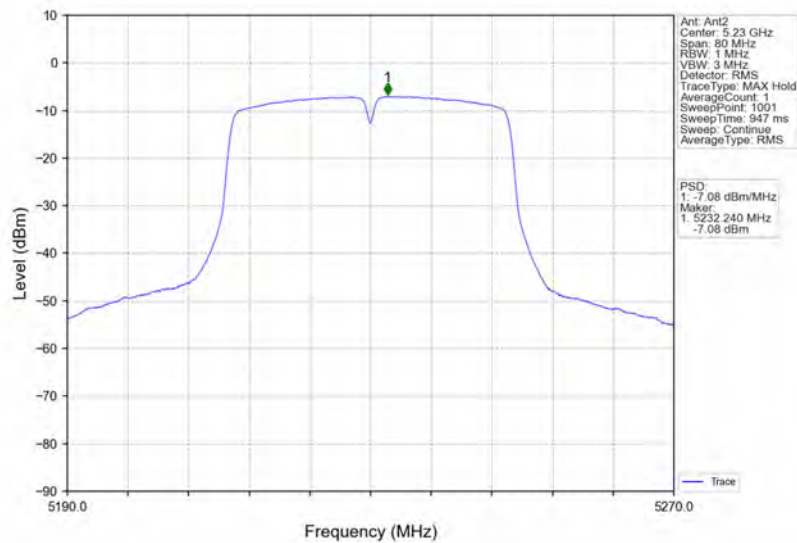
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



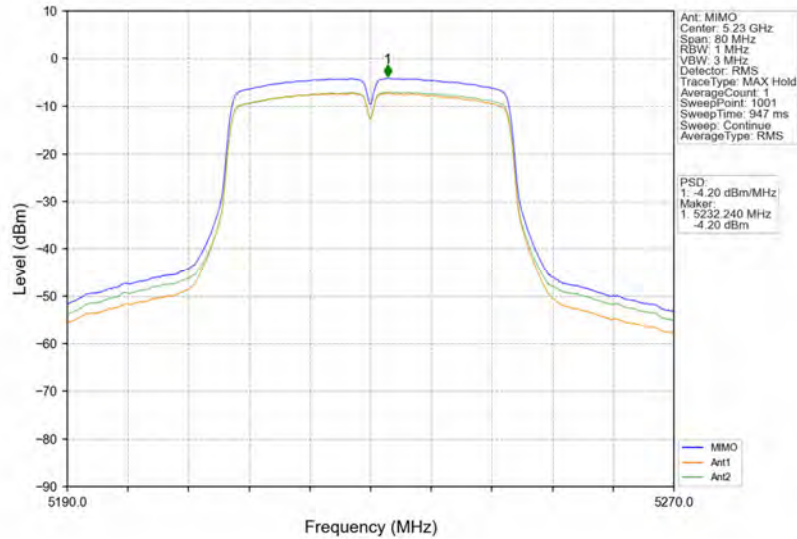
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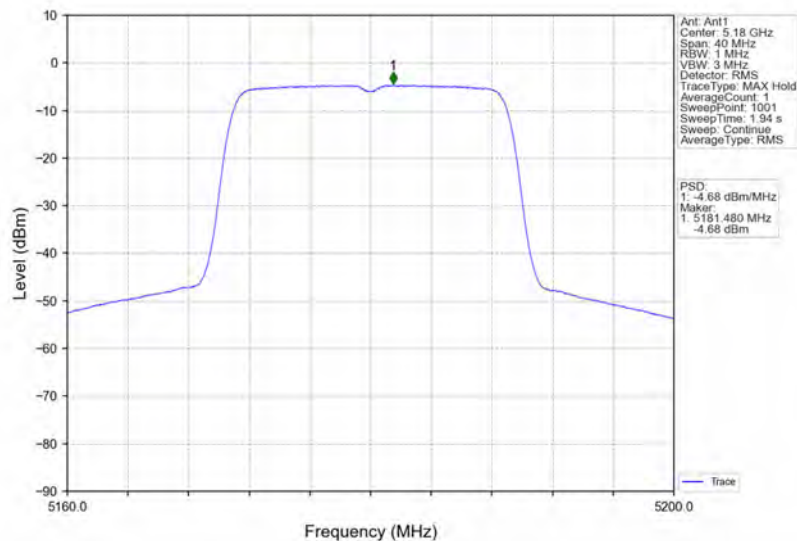
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



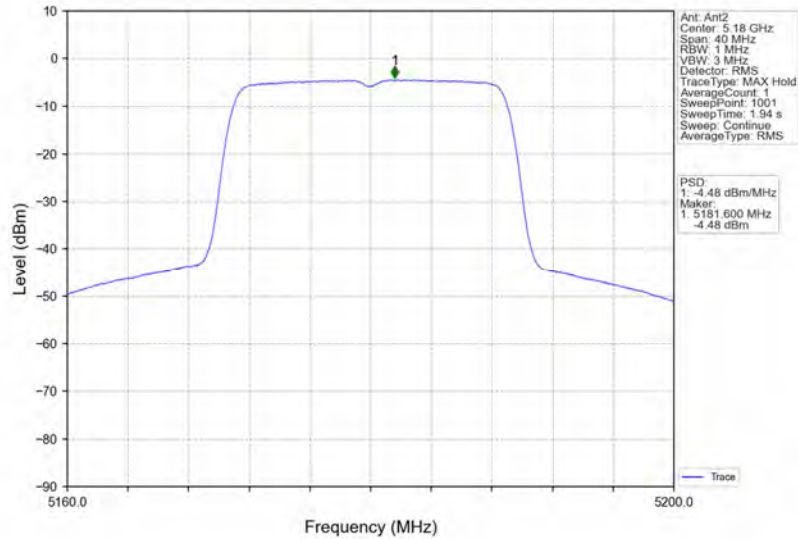
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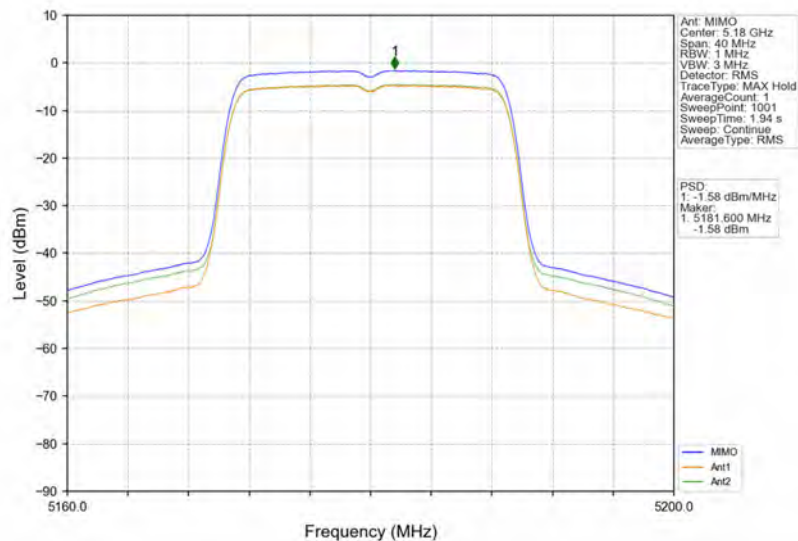
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802.11ac(VHT20)_LCH_5180MHz_MIMO_NTNV



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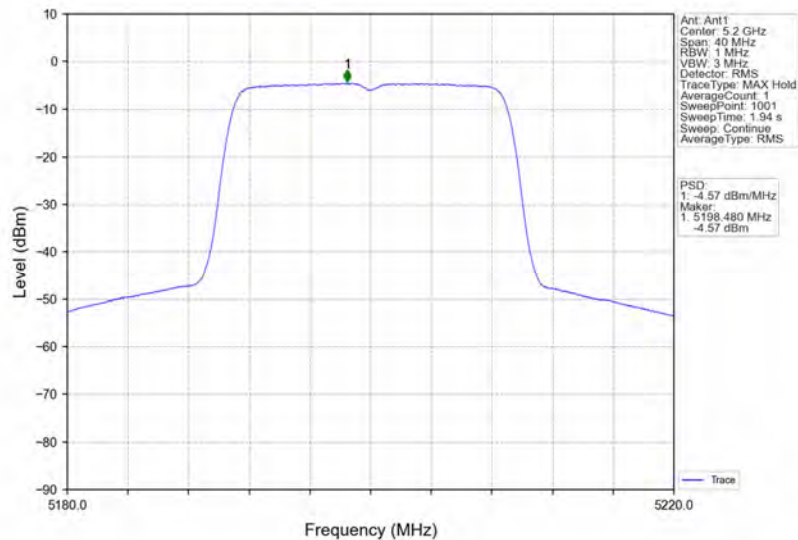
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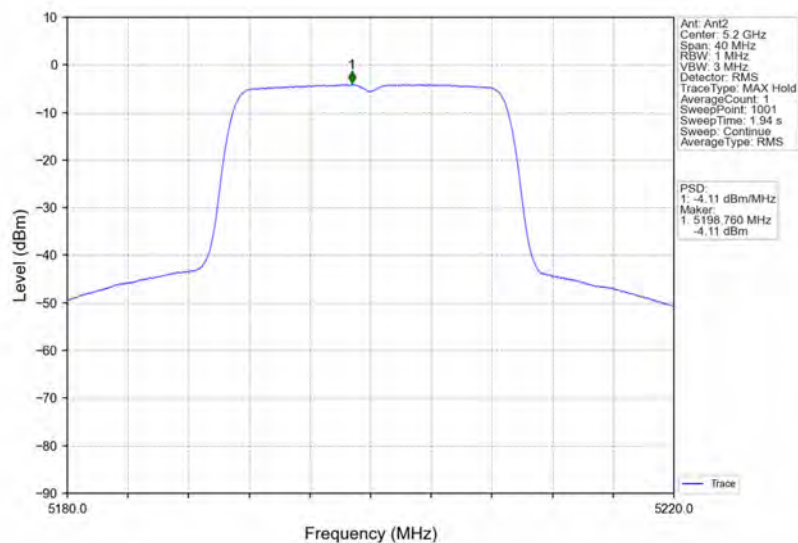
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802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



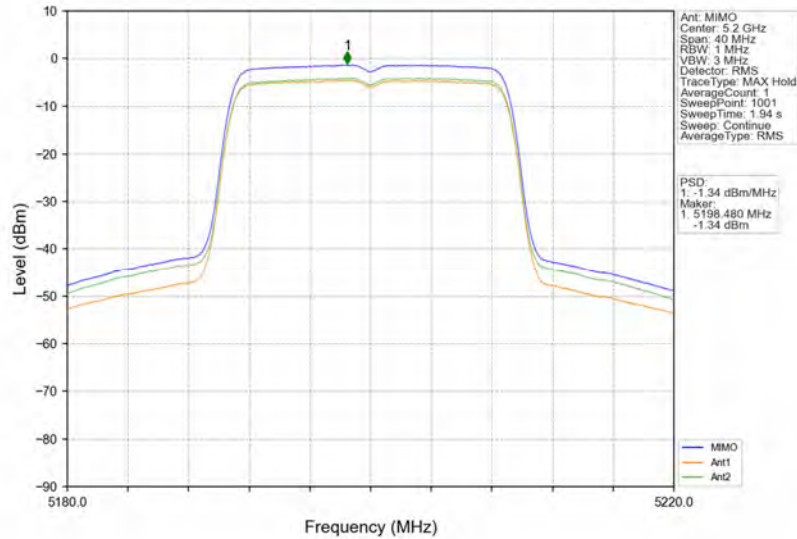
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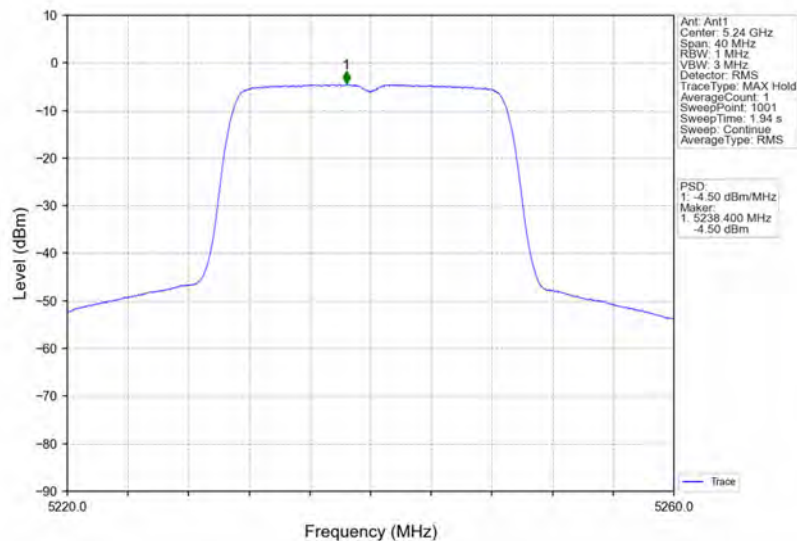
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



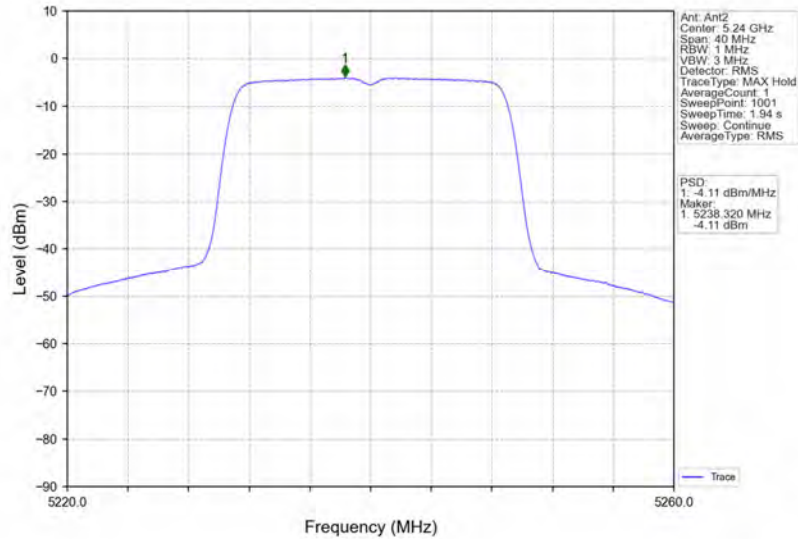
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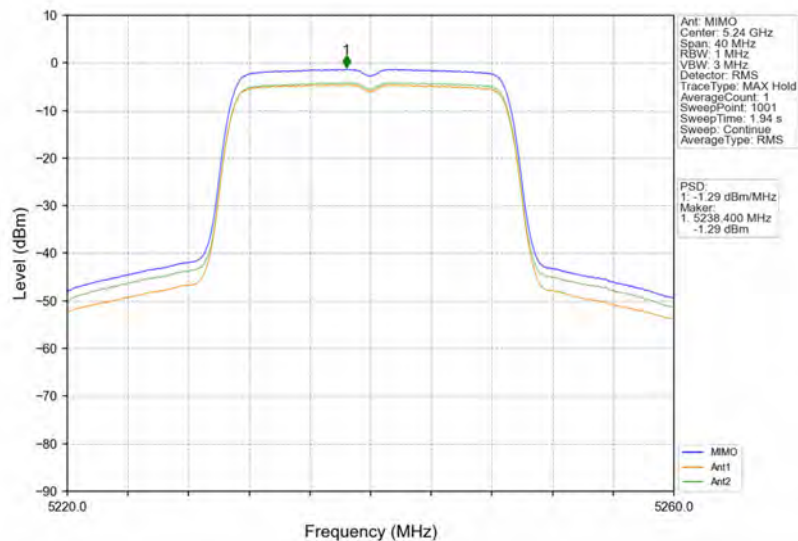
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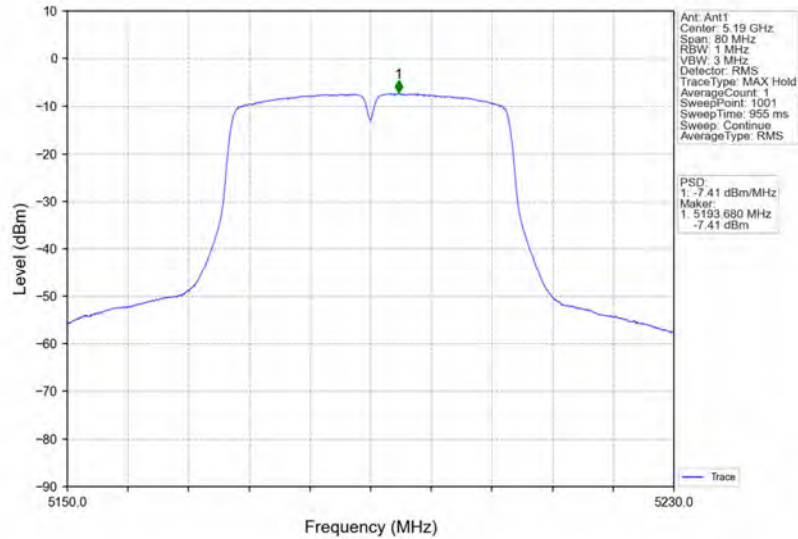
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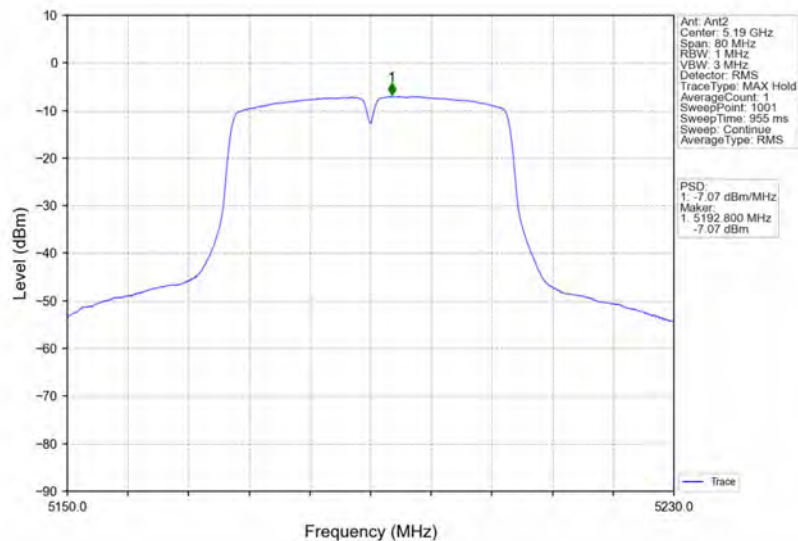
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802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



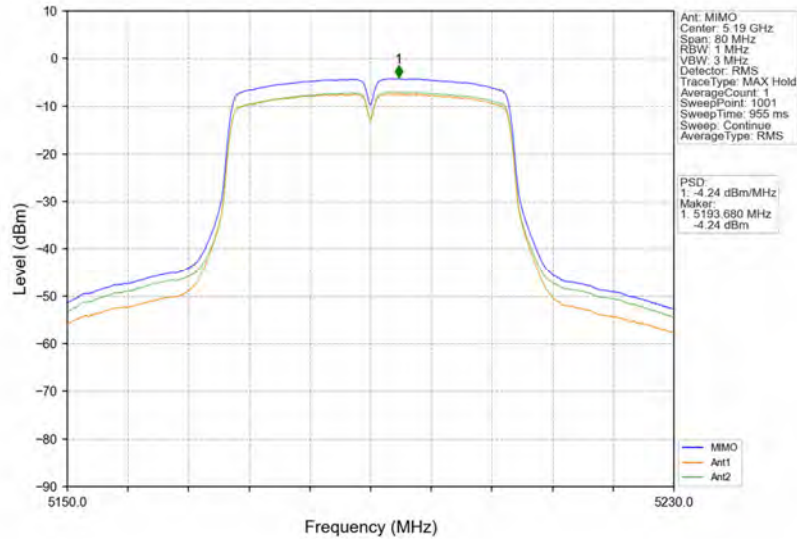
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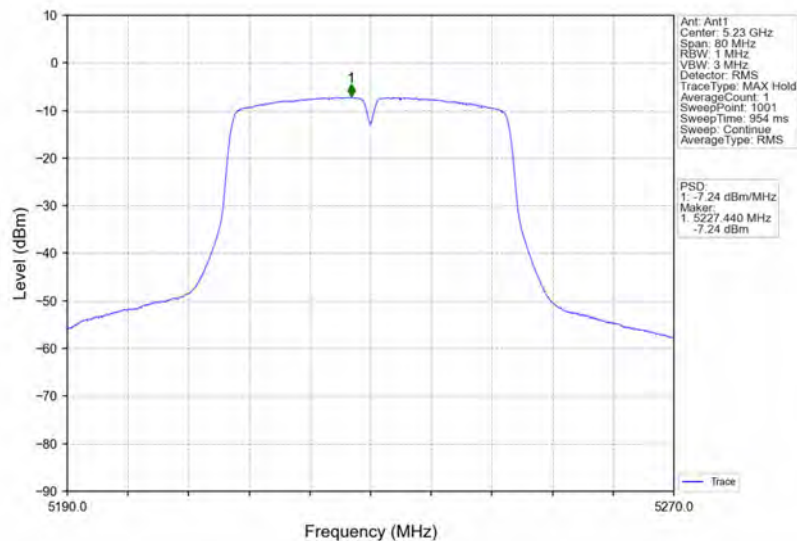
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802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



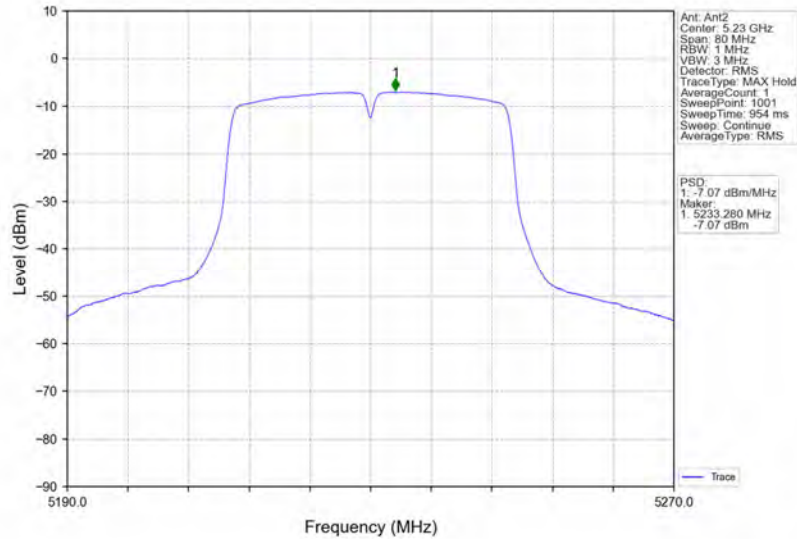
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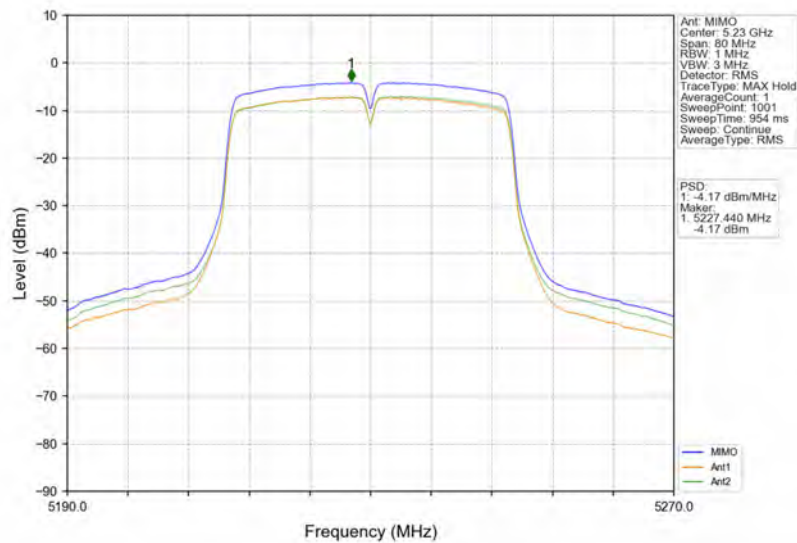
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802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



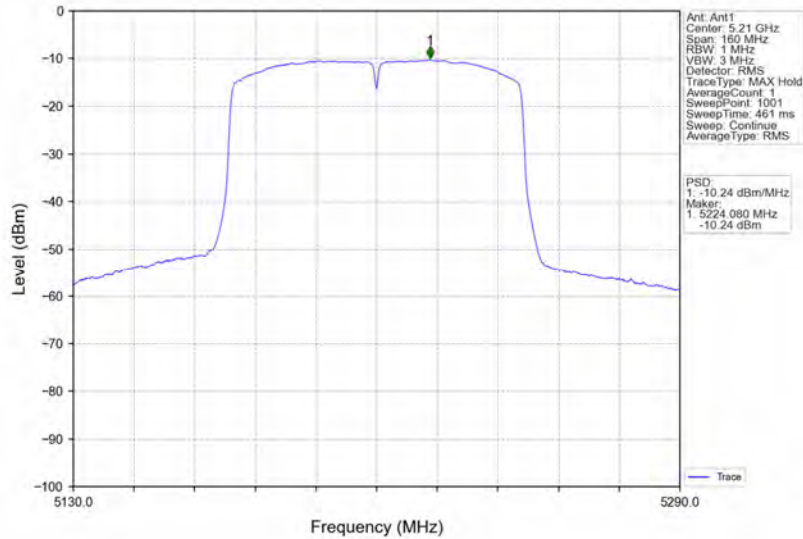
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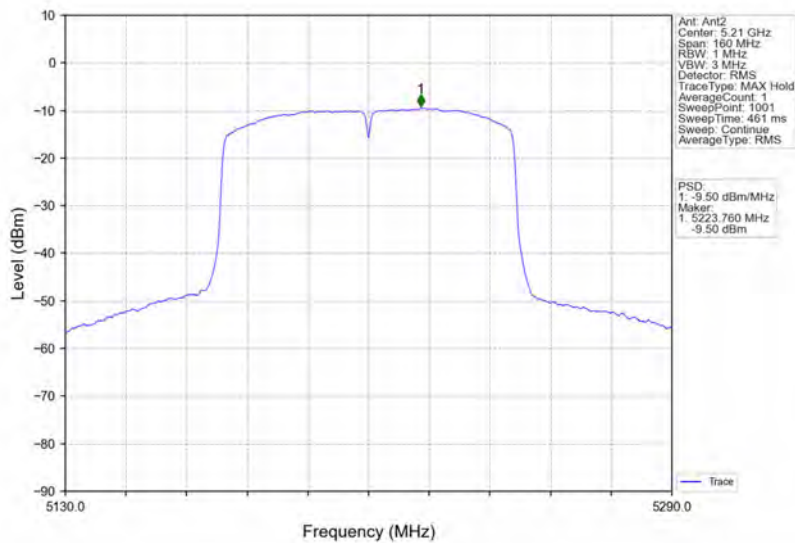
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



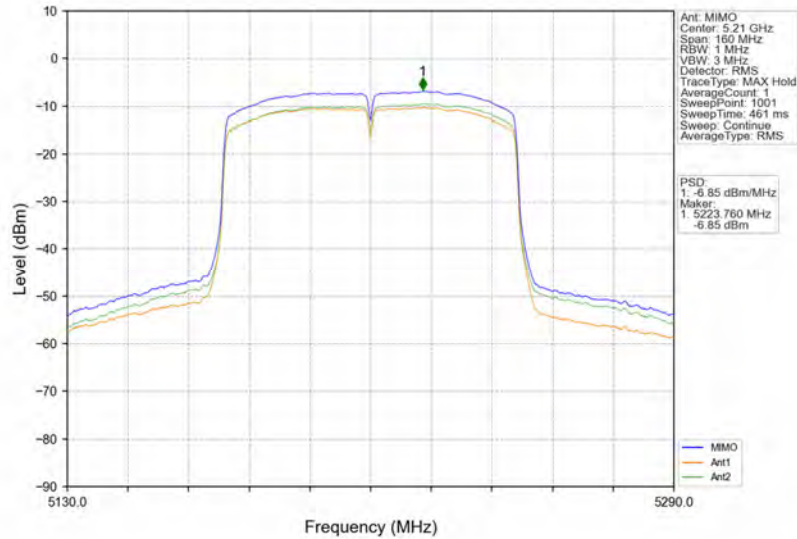
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802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



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4.3 PSD-Band3

4.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-3.29	-3.41	/	<=30	Pass
		5785	-3.27	-3.82	/	<=30	Pass
		5825	-3.36	-3.43	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-6.78	-6.34	-3.57	<=30	Pass
		5785	-6.67	-6.58	-3.64	<=30	Pass
		5825	-6.64	-6.28	-3.49	<=30	Pass
802.11n (HT40)	MIMO	5755	-9.24	-8.86	-6.06	<=30	Pass
		5795	-9.20	-9.13	-6.15	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-6.78	-6.32	-3.55	<=30	Pass
		5785	-6.55	-6.55	-3.54	<=30	Pass
		5825	-6.53	-6.25	-3.38	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-9.24	-8.79	-6.04	<=30	Pass
		5795	-8.99	-8.87	-5.91	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-12.18	-12.19	-9.18	<=30	Pass

Note1: Antenna Gain: Ant1: -1.03dBi; Ant2: -1.69dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)



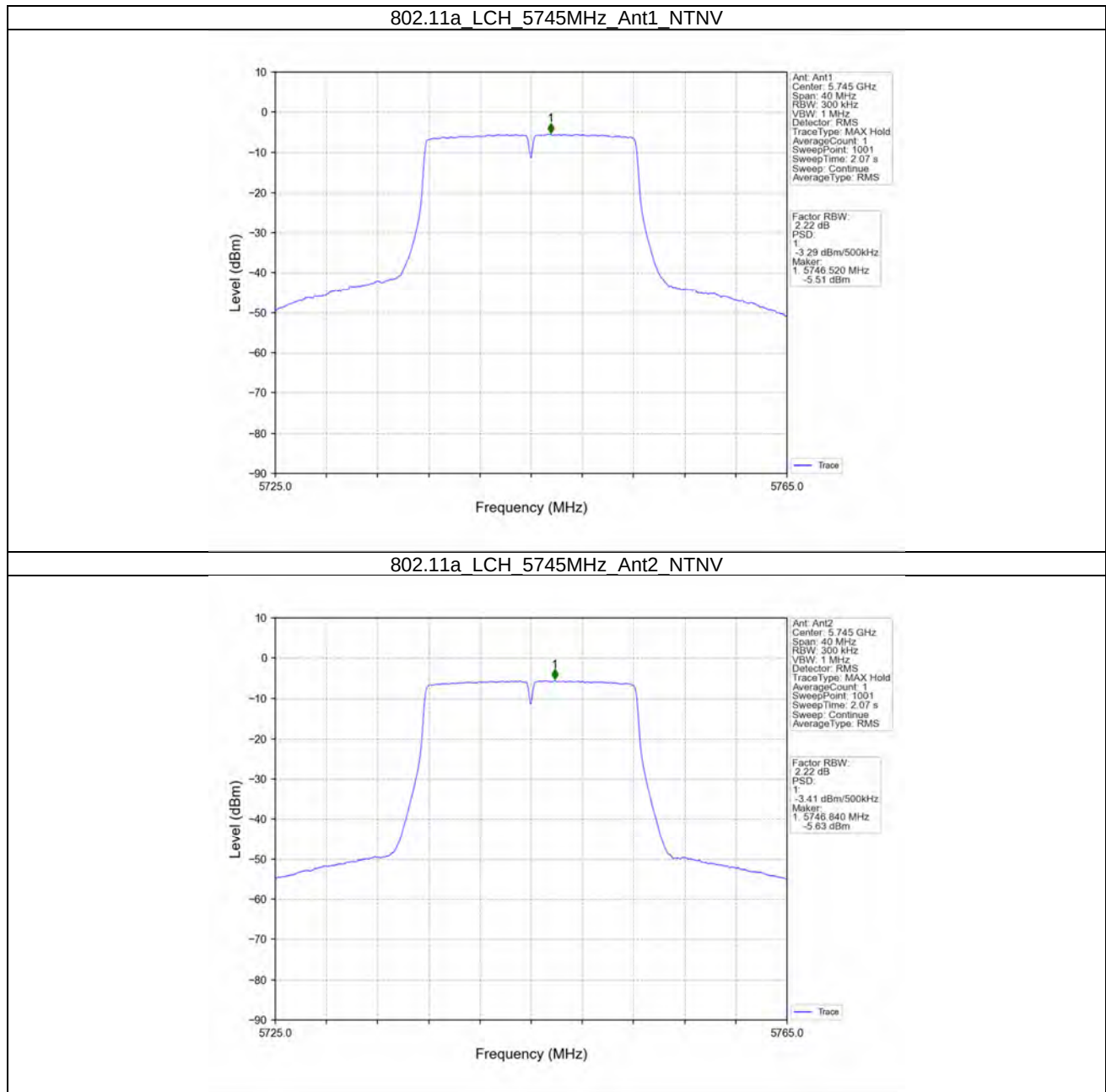
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4.3.2 Test Graph



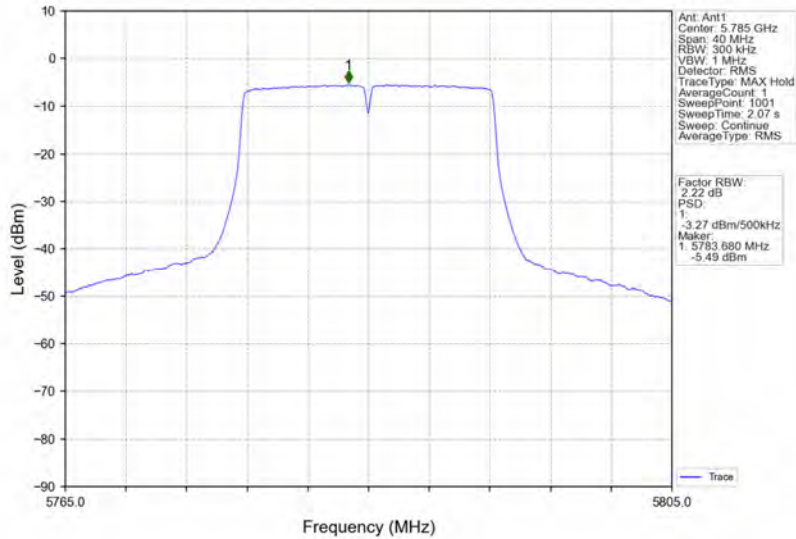
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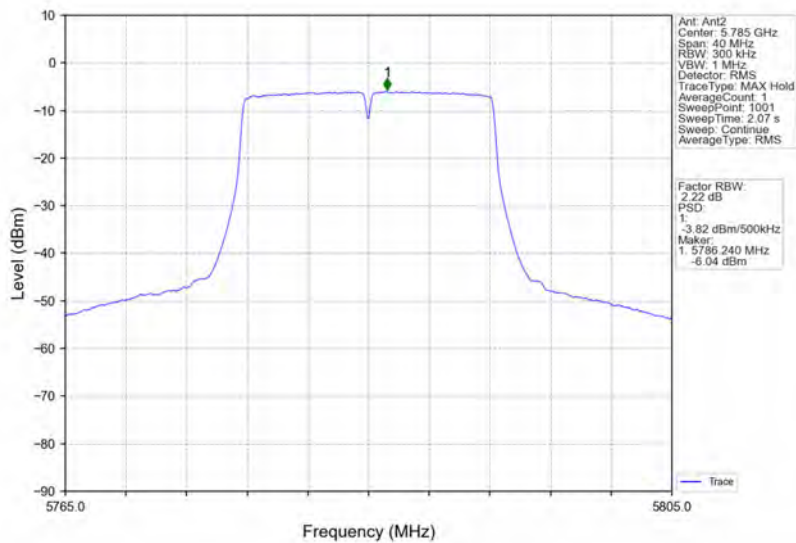
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802.11a_MCH_5785MHz_Ant2_NTNV



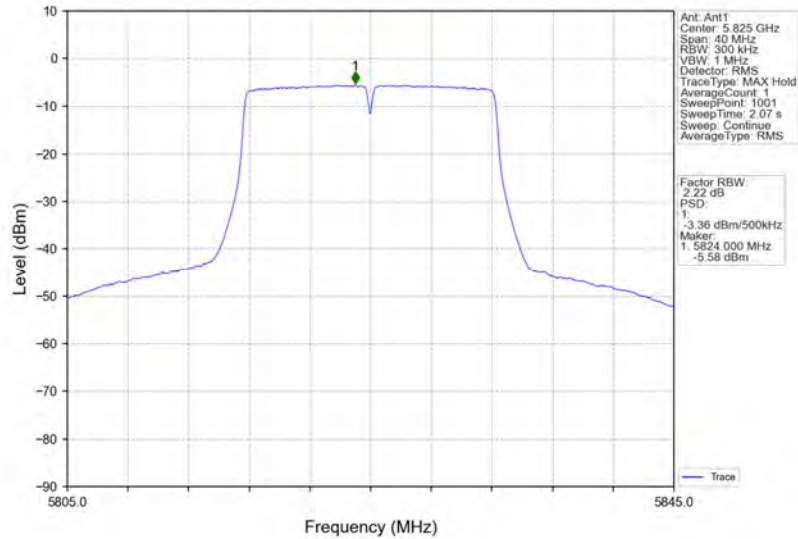
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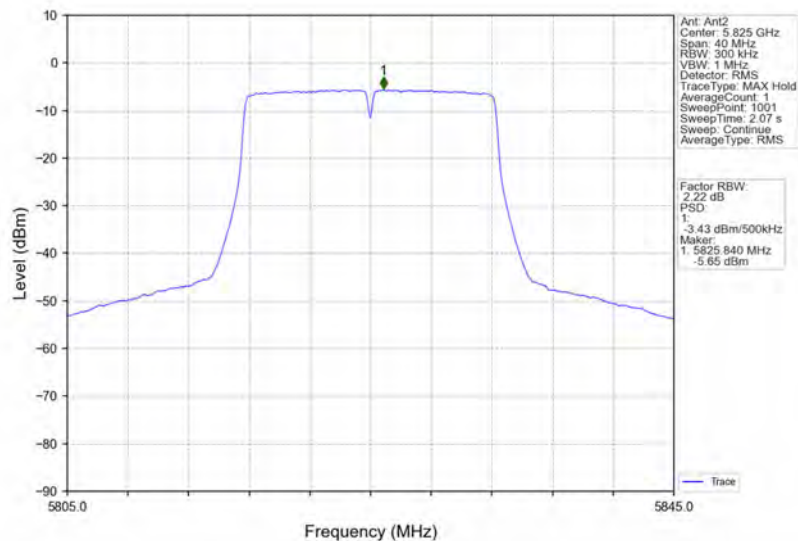
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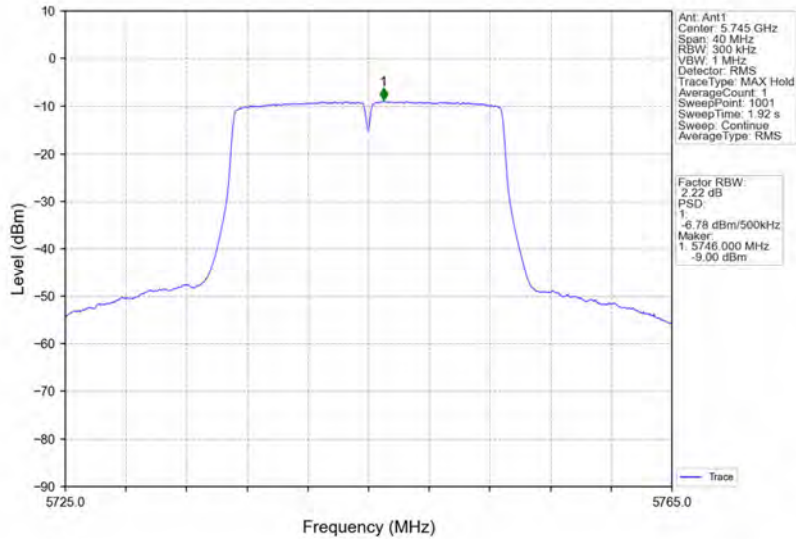
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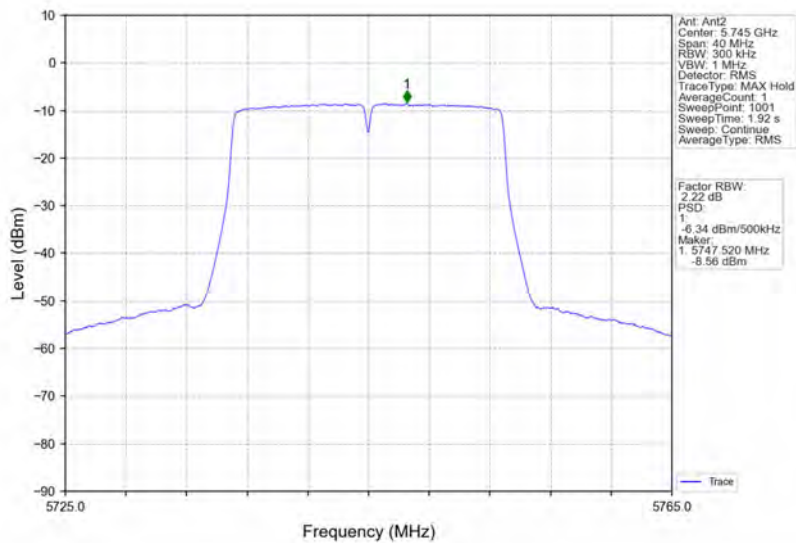
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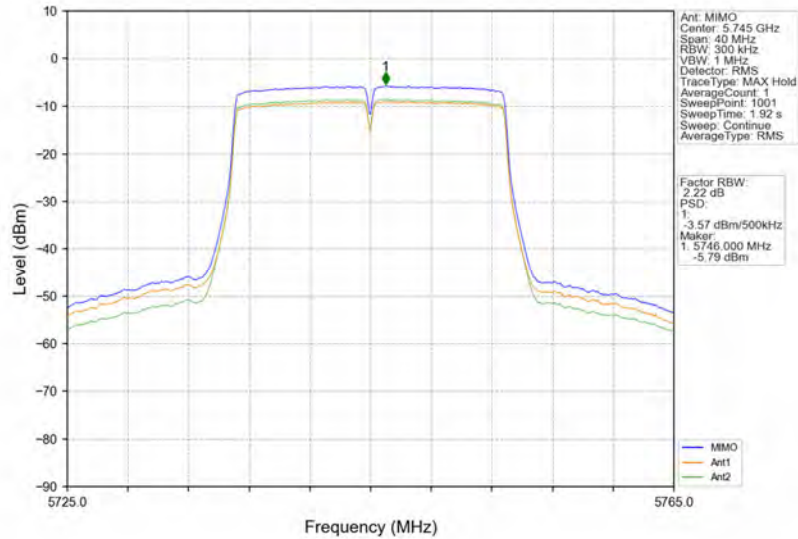
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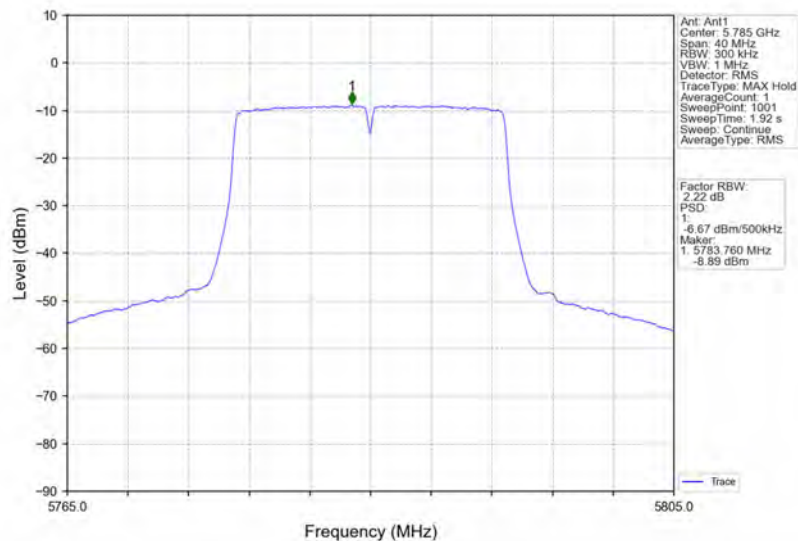
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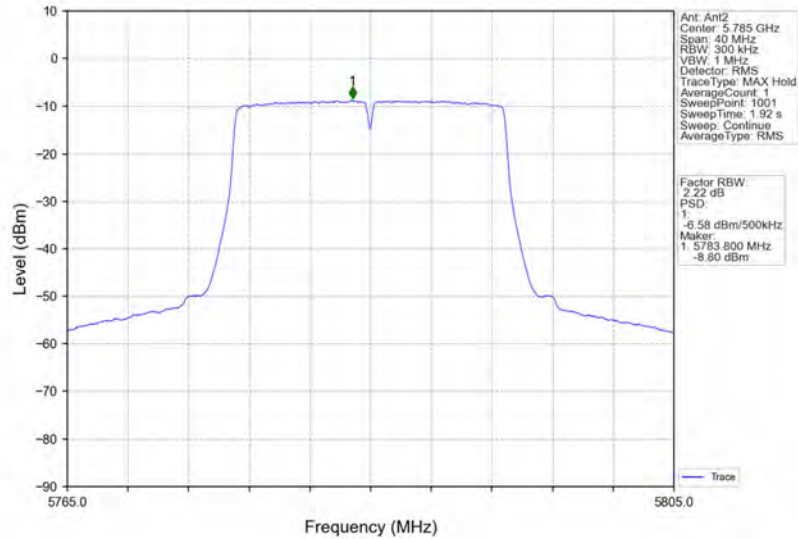
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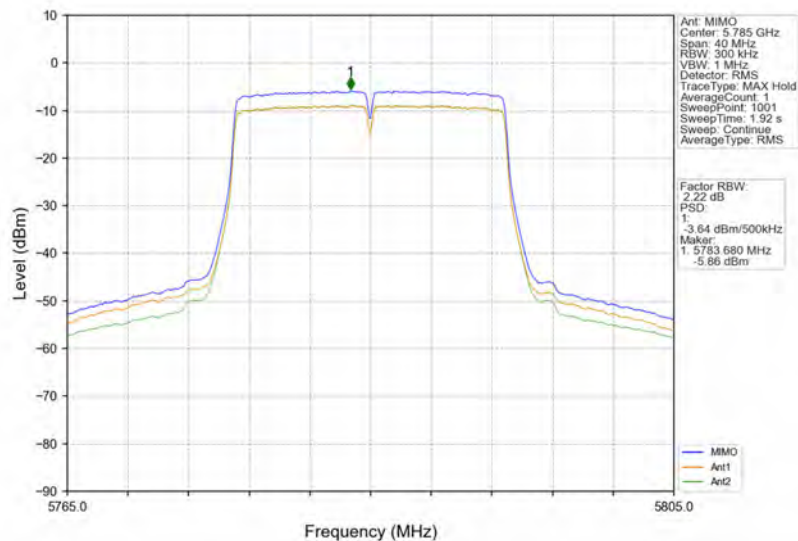
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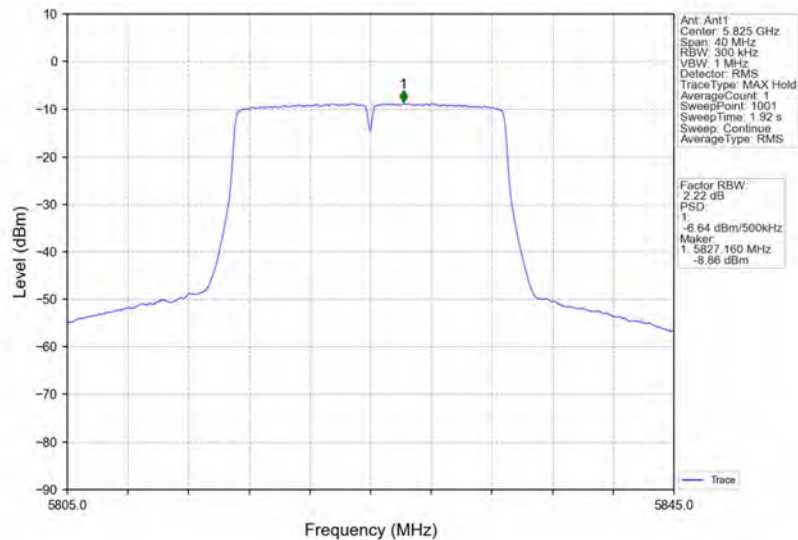
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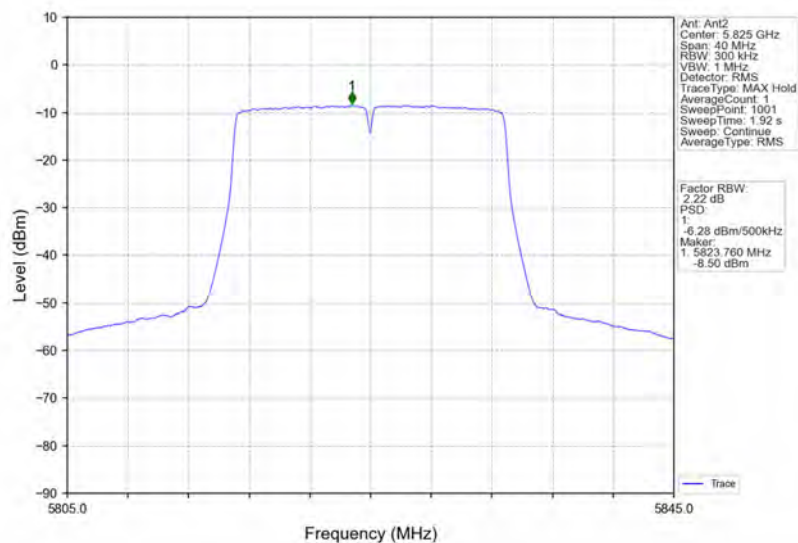
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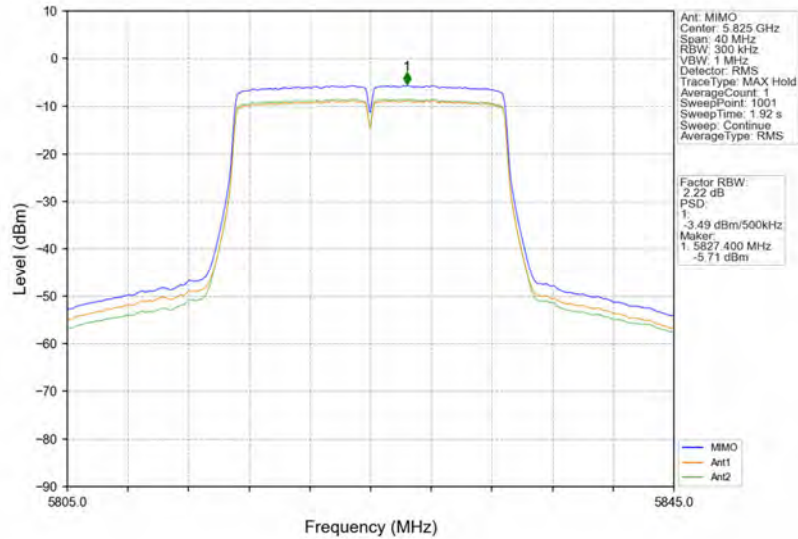
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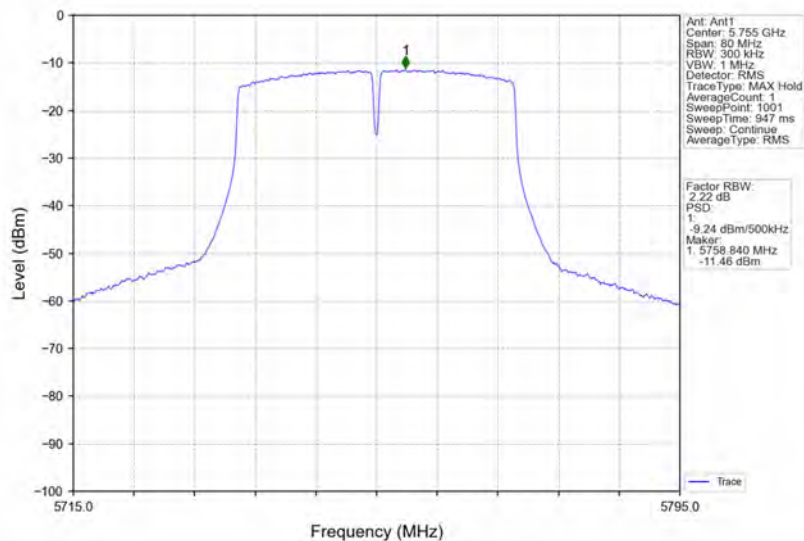
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802.11n(HT20)_HCH_5825MHz_MIMO_NTNV



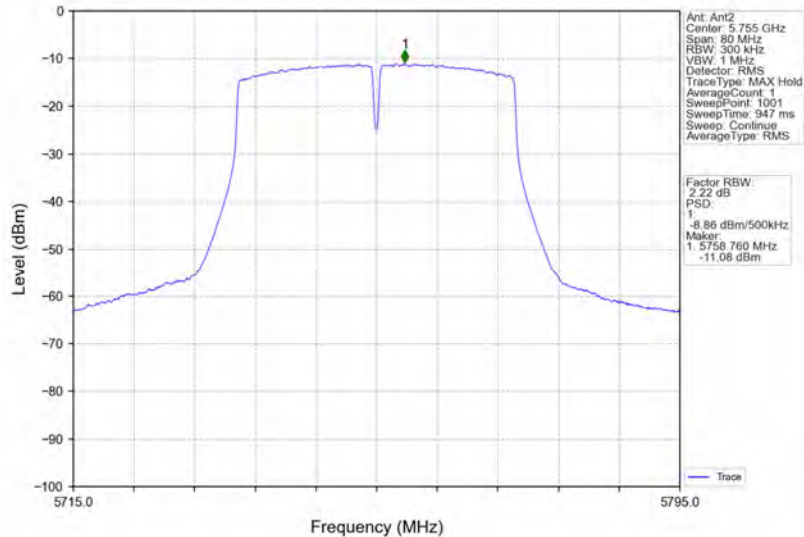
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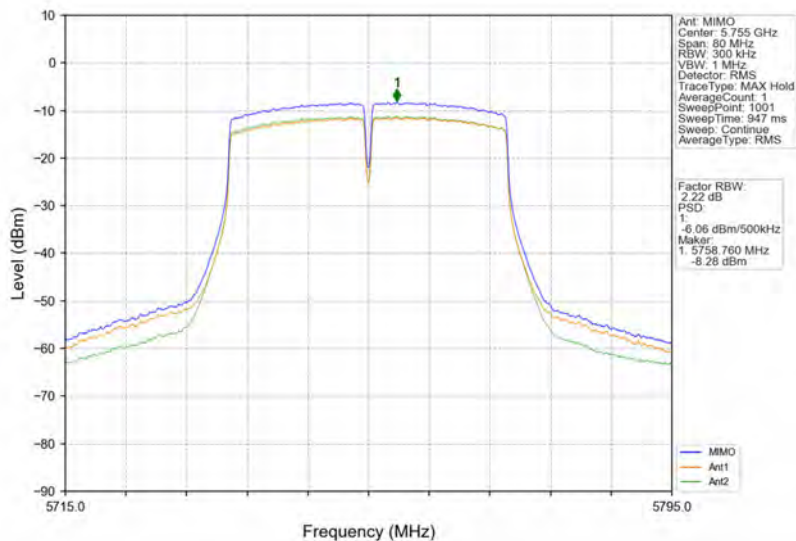
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802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



802.11n(HT40)_LCH_5755MHz_MIMO_NTNV



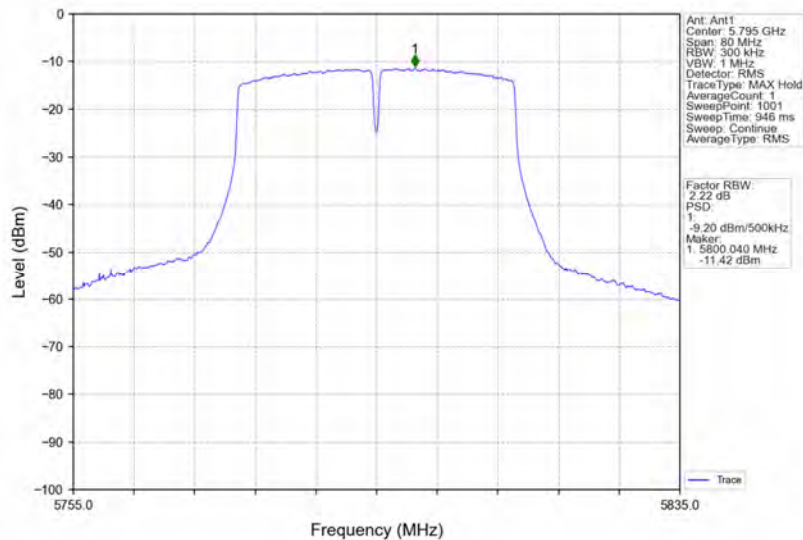
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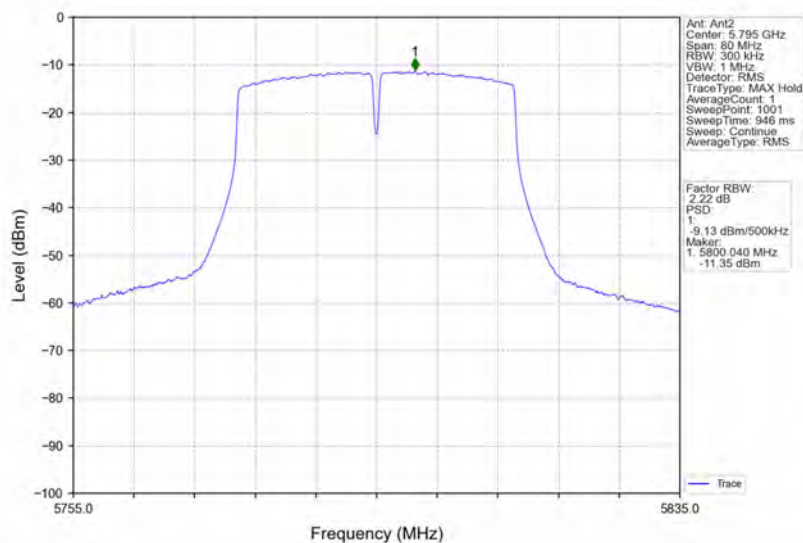
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802.11n(HT40)_HCH_5795MHz_Ant2_NTNV

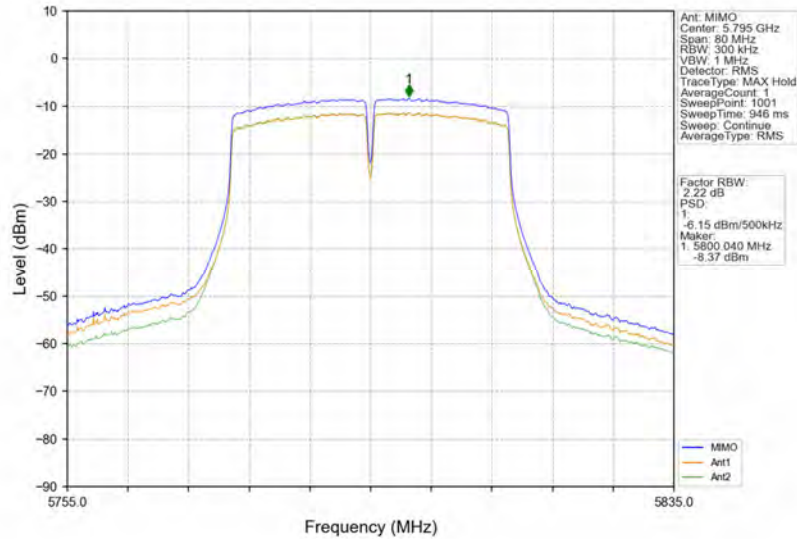


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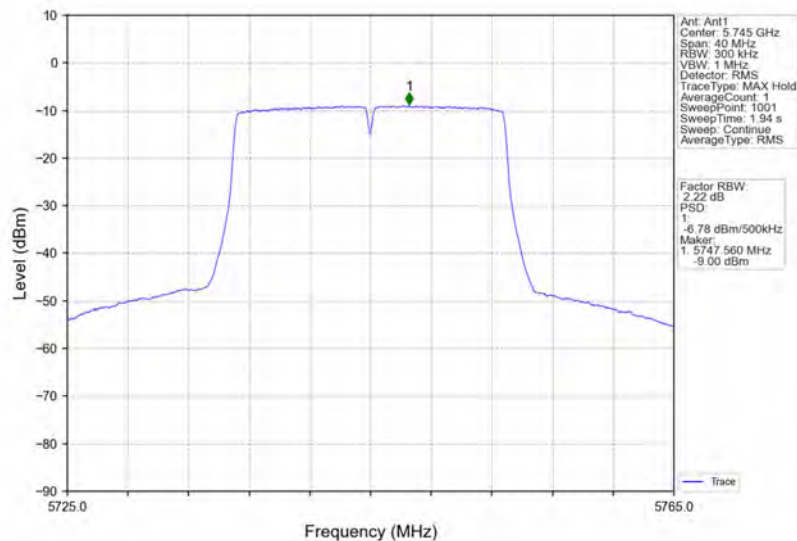
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



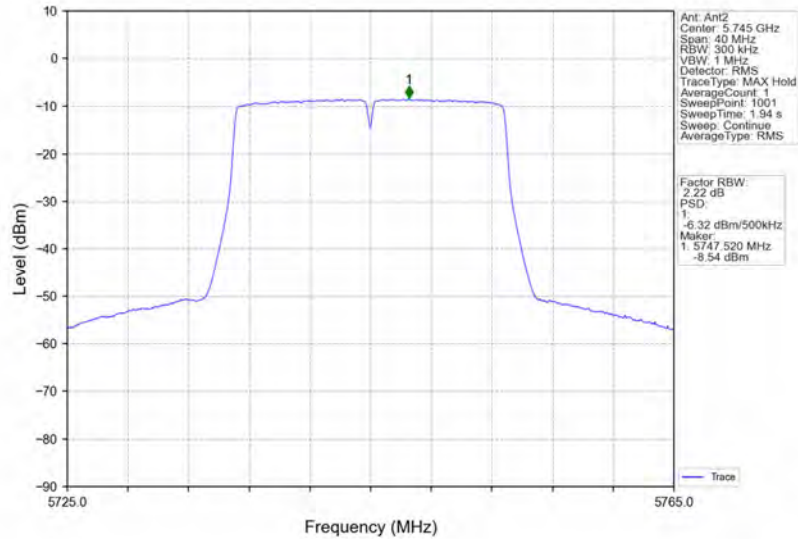
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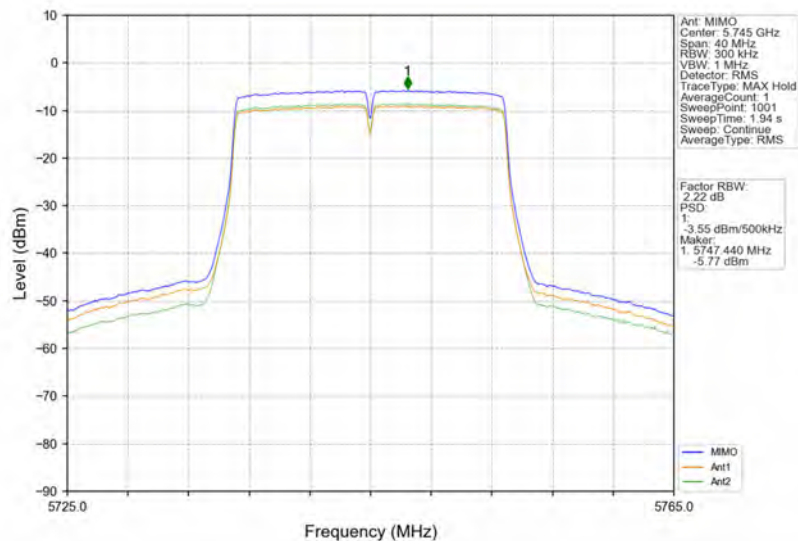
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802.11ac(VHT20)_LCH_5745MHz_MIMO_NTNV



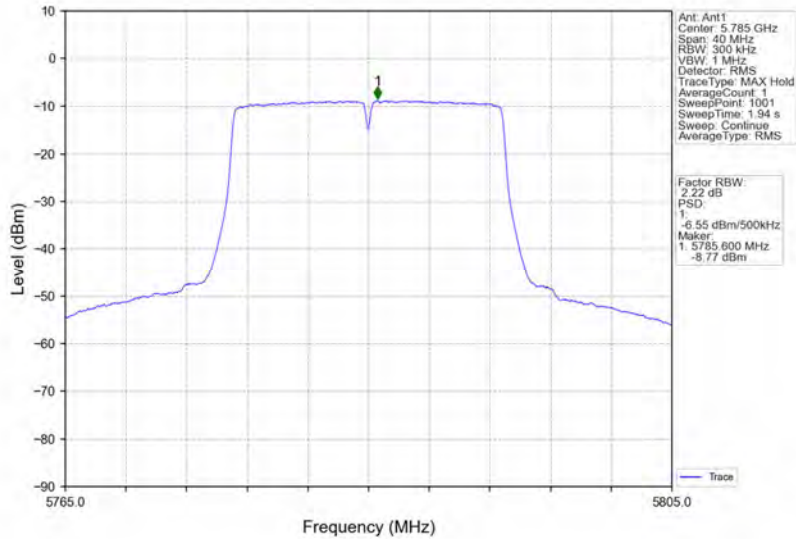
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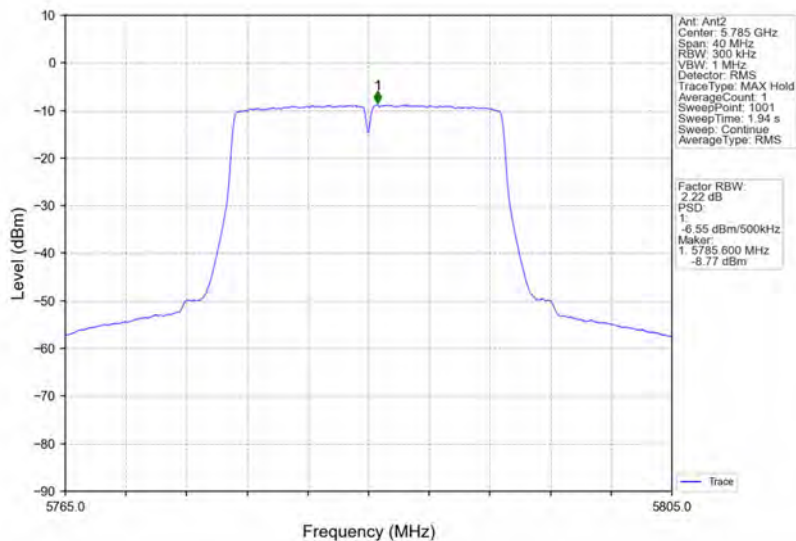
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802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



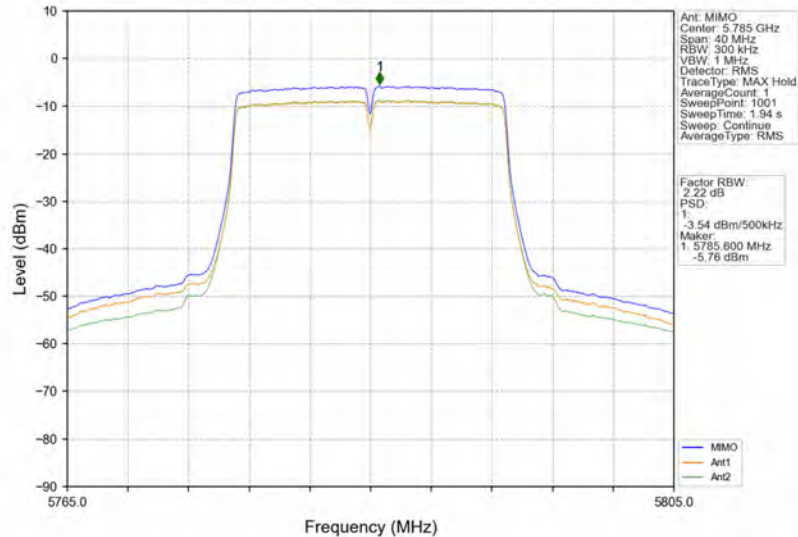
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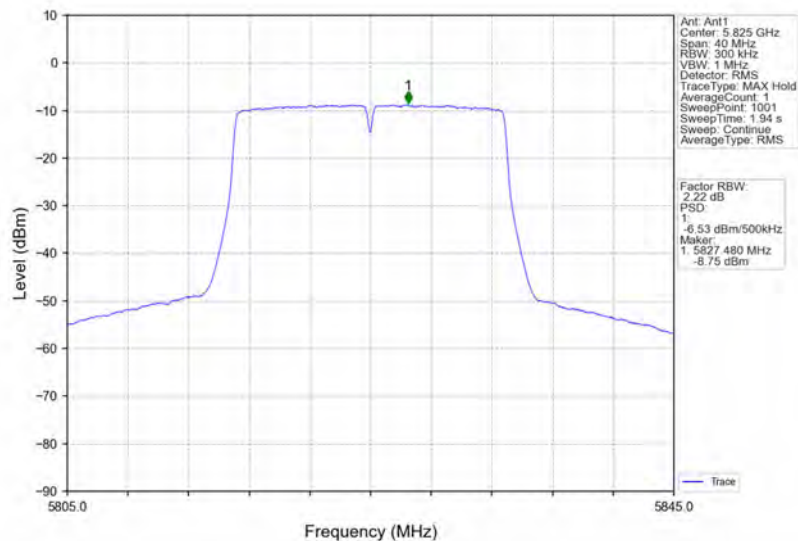
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



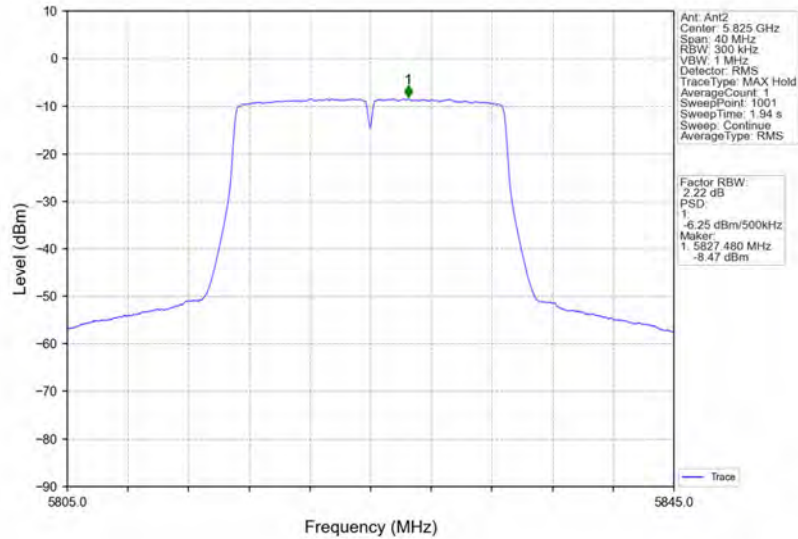
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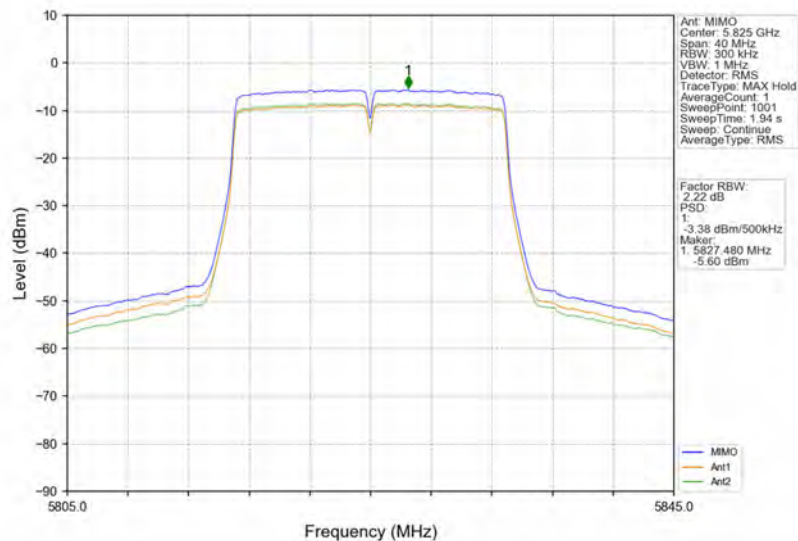
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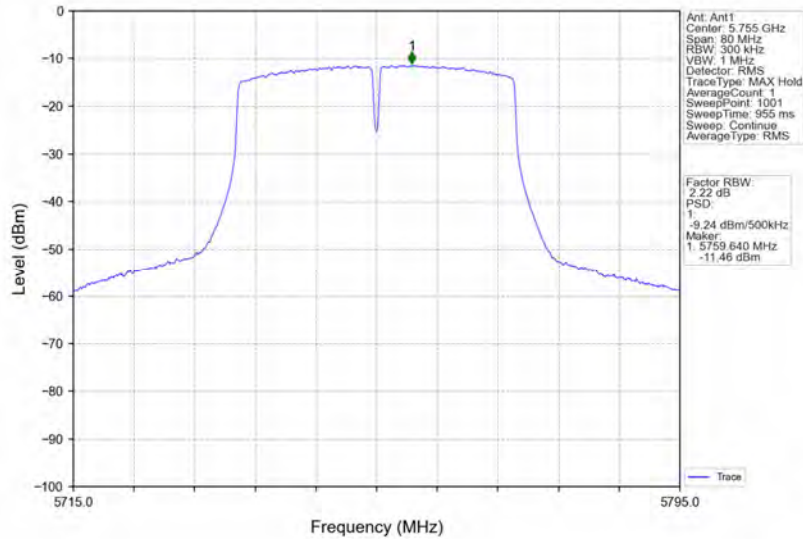
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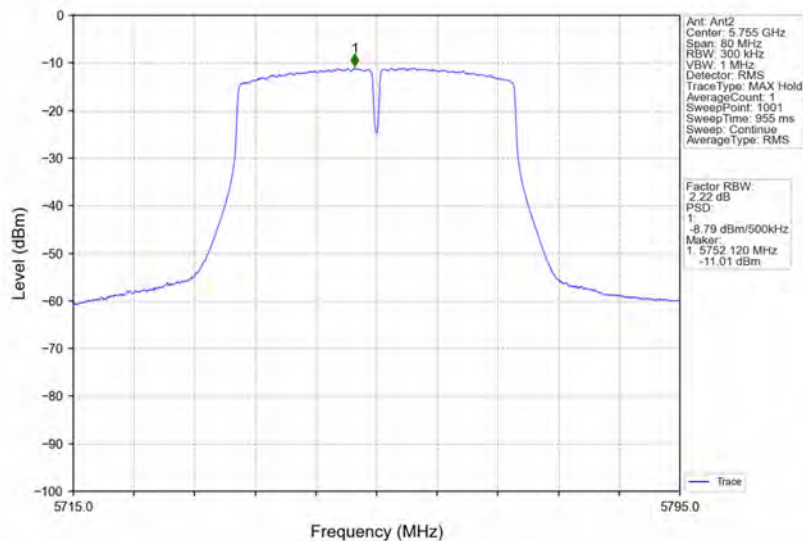
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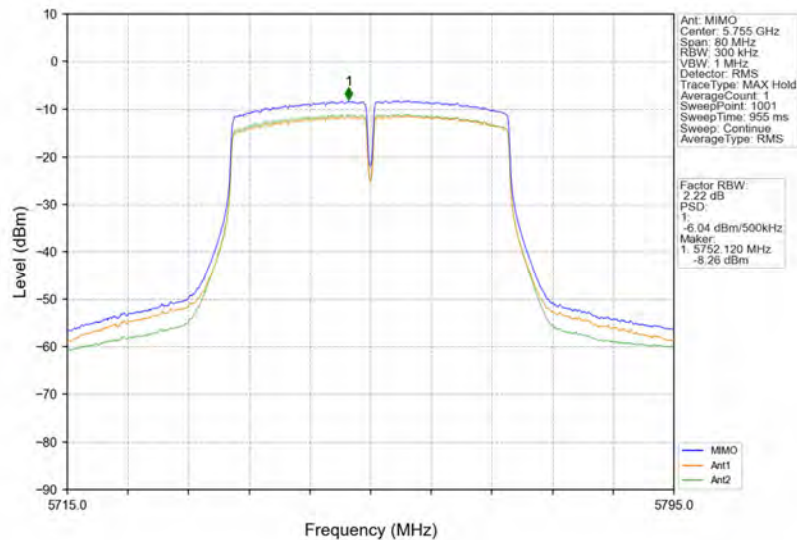
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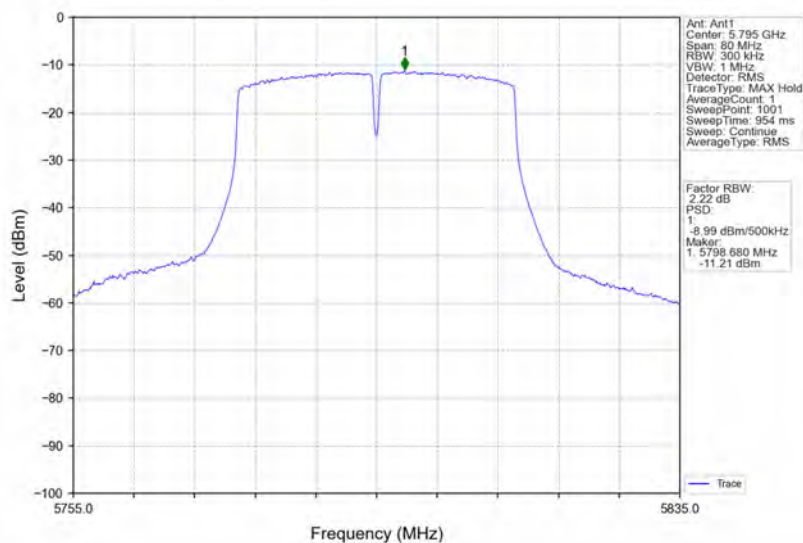
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

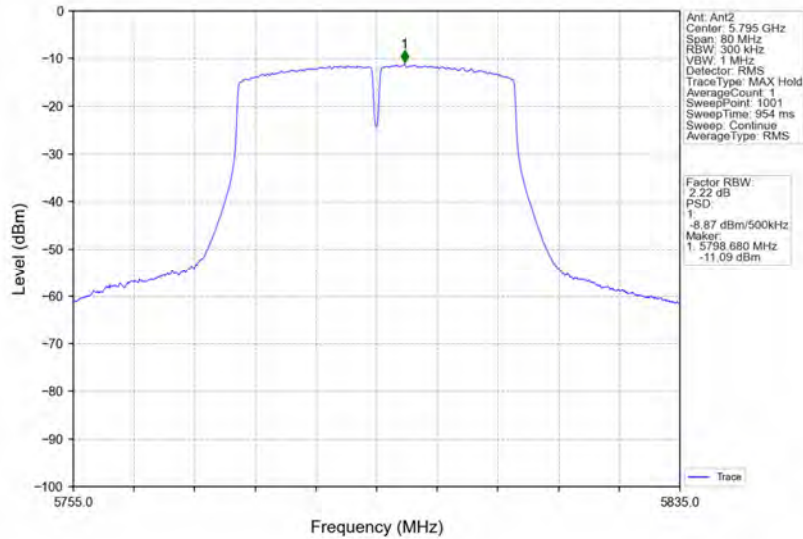


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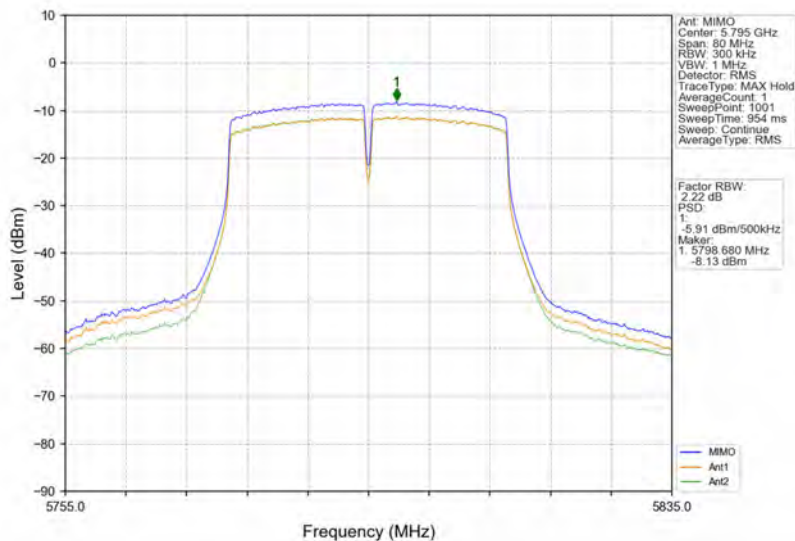
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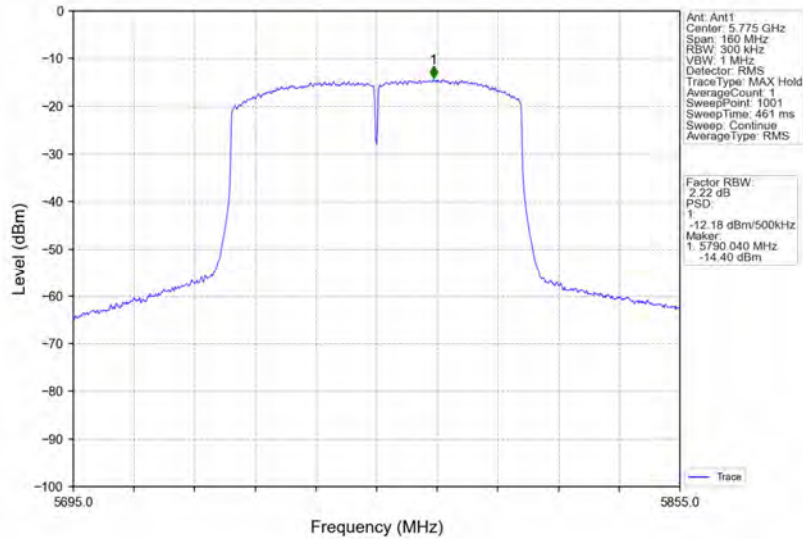
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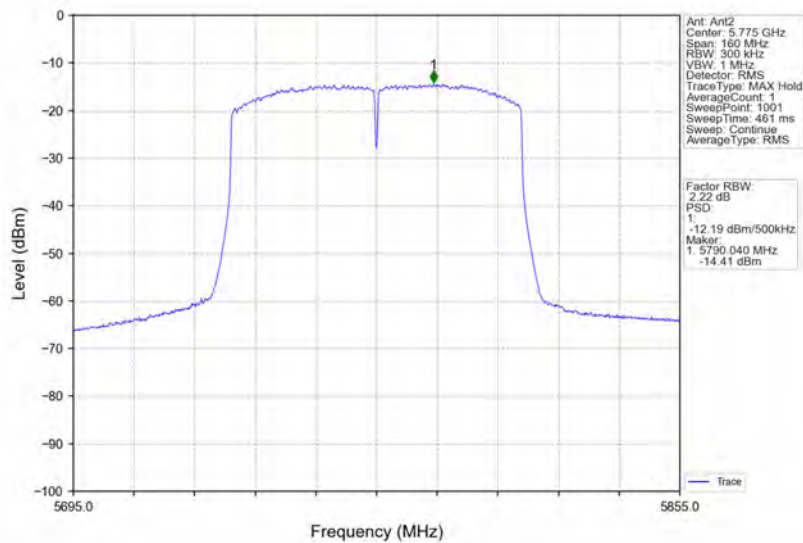
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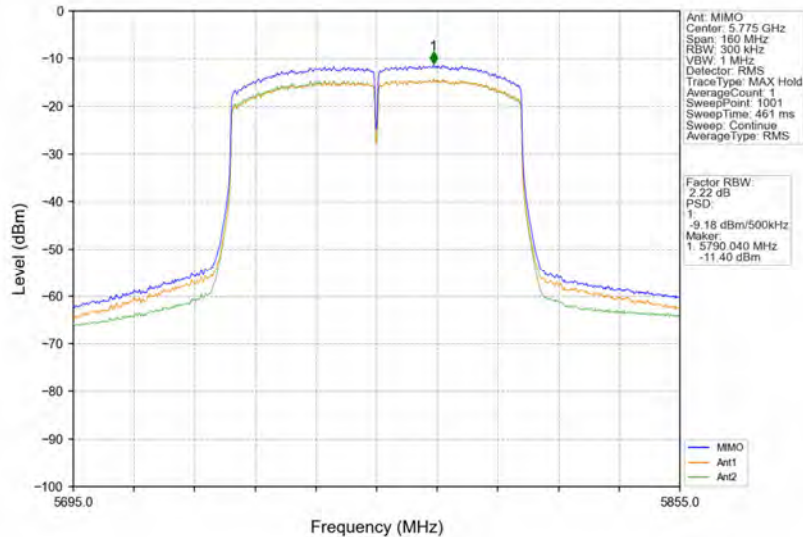
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802.11ac(VHT80)_MCH_5775MHz_MIMO_NTNV



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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (V DC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	3.1	5180.000	5150 to 5250	Pass
				3.3	5180.020	5150 to 5250	Pass
				3.5	5179.980	5150 to 5250	Pass
			-30	3.3	5180.060	5150 to 5250	Pass
			-20	3.3	5180.020	5150 to 5250	Pass
			-10	3.3	5180.040	5150 to 5250	Pass
			0	3.3	5180.000	5150 to 5250	Pass
			10	3.3	5180.060	5150 to 5250	Pass
			30	3.3	5180.000	5150 to 5250	Pass
			40	3.3	5180.040	5150 to 5250	Pass
			50	3.3	5180.020	5150 to 5250	Pass
		5200	20	3.1	5199.980	5150 to 5250	Pass
				3.3	5200.000	5150 to 5250	Pass
				3.5	5200.040	5150 to 5250	Pass
			-30	3.3	5200.020	5150 to 5250	Pass
			-20	3.3	5200.020	5150 to 5250	Pass
			-10	3.3	5199.980	5150 to 5250	Pass
			0	3.3	5200.040	5150 to 5250	Pass
			10	3.3	5200.000	5150 to 5250	Pass
			30	3.3	5200.020	5150 to 5250	Pass
			40	3.3	5200.020	5150 to 5250	Pass
			50	3.3	5200.000	5150 to 5250	Pass
		5240	20	3.1	5240.020	5150 to 5250	Pass
				3.3	5240.000	5150 to 5250	Pass
				3.5	5240.040	5150 to 5250	Pass
			-30	3.3	5240.060	5150 to 5250	Pass
			-20	3.3	5240.060	5150 to 5250	Pass
			-10	3.3	5239.980	5150 to 5250	Pass
			0	3.3	5240.040	5150 to 5250	Pass
			10	3.3	5240.000	5150 to 5250	Pass
			30	3.3	5240.040	5150 to 5250	Pass
			40	3.3	5240.040	5150 to 5250	Pass
			50	3.3	5240.040	5150 to 5250	Pass
		5745	20	3.1	5745.060	5725 to 5850	Pass
				3.3	5745.040	5725 to 5850	Pass
				3.5	5745.020	5725 to 5850	Pass
			-30	3.3	5745.040	5725 to 5850	Pass
			-20	3.3	5745.080	5725 to 5850	Pass
			-10	3.3	5745.020	5725 to 5850	Pass
			0	3.3	5745.060	5725 to 5850	Pass
			10	3.3	5745.040	5725 to 5850	Pass
			30	3.3	5745.000	5725 to 5850	Pass
			40	3.3	5744.980	5725 to 5850	Pass
			50	3.3	5745.040	5725 to 5850	Pass



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		5785	20	3.1	5785.060	5725 to 5850	Pass
				3.3	5785.060	5725 to 5850	Pass
				3.5	5785.100	5725 to 5850	Pass
			-30	3.3	5785.080	5725 to 5850	Pass
			-20	3.3	5785.060	5725 to 5850	Pass
			-10	3.3	5785.040	5725 to 5850	Pass
			0	3.3	5785.040	5725 to 5850	Pass
			10	3.3	5785.040	5725 to 5850	Pass
			30	3.3	5785.020	5725 to 5850	Pass
			40	3.3	5785.060	5725 to 5850	Pass
		50	3.3	5785.020	5725 to 5850	Pass	
		3.3	5825.060	5725 to 5850	Pass		
		3.5	5825.040	5725 to 5850	Pass		
		-30	3.3	5825.040	5725 to 5850	Pass	
		-20	3.3	5825.060	5725 to 5850	Pass	
		-10	3.3	5825.040	5725 to 5850	Pass	
		0	3.3	5825.040	5725 to 5850	Pass	
		10	3.3	5825.060	5725 to 5850	Pass	
		30	3.3	5825.080	5725 to 5850	Pass	
		40	3.3	5825.000	5725 to 5850	Pass	
50	3.3	5825.020	5725 to 5850	Pass			
802.11n (HT20)	MIMO	5180	20	3.1	5180.060	5150 to 5250	Pass
				3.3	5180.040	5150 to 5250	Pass
				3.5	5180.020	5150 to 5250	Pass
			-30	3.3	5180.020	5150 to 5250	Pass
			-20	3.3	5180.060	5150 to 5250	Pass
			-10	3.3	5180.060	5150 to 5250	Pass
			0	3.3	5180.000	5150 to 5250	Pass
			10	3.3	5180.020	5150 to 5250	Pass
			30	3.3	5180.020	5150 to 5250	Pass
			40	3.3	5180.020	5150 to 5250	Pass
		50	3.3	5180.020	5150 to 5250	Pass	
		3.3	5200.020	5150 to 5250	Pass		
		3.5	5200.020	5150 to 5250	Pass		
		-30	3.3	5200.020	5150 to 5250	Pass	
		-20	3.3	5200.060	5150 to 5250	Pass	
		-10	3.3	5200.040	5150 to 5250	Pass	
		0	3.3	5200.040	5150 to 5250	Pass	
		10	3.3	5200.000	5150 to 5250	Pass	
		30	3.3	5200.040	5150 to 5250	Pass	
		40	3.3	5200.020	5150 to 5250	Pass	
		50	3.3	5200.040	5150 to 5250	Pass	
		3.3	5240.020	5150 to 5250	Pass		
		3.5	5240.000	5150 to 5250	Pass		
		-30	3.3	5240.040	5150 to 5250	Pass	
		-20	3.3	5240.020	5150 to 5250	Pass	
		-10	3.3	5240.020	5150 to 5250	Pass	
		0	3.3	5240.020	5150 to 5250	Pass	
		10	3.3	5240.040	5150 to 5250	Pass	
		30	3.3	5240.020	5150 to 5250	Pass	
		40	3.3	5240.000	5150 to 5250	Pass	



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		5745	50	3.3	5240.040	5150 to 5250	Pass
			20	3.1	5745.020	5725 to 5850	Pass
				3.3	5745.040	5725 to 5850	Pass
				3.5	5745.040	5725 to 5850	Pass
				3.3	5745.040	5725 to 5850	Pass
			-20	3.3	5745.060	5725 to 5850	Pass
			-10	3.3	5745.040	5725 to 5850	Pass
			0	3.3	5745.040	5725 to 5850	Pass
			10	3.3	5745.060	5725 to 5850	Pass
			30	3.3	5745.060	5725 to 5850	Pass
			40	3.3	5745.000	5725 to 5850	Pass
			50	3.3	5745.060	5725 to 5850	Pass
		5785	20	3.1	5785.000	5725 to 5850	Pass
				3.3	5785.040	5725 to 5850	Pass
				3.5	5785.020	5725 to 5850	Pass
			-30	3.3	5785.020	5725 to 5850	Pass
			-20	3.3	5785.040	5725 to 5850	Pass
			-10	3.3	5785.060	5725 to 5850	Pass
			0	3.3	5785.040	5725 to 5850	Pass
			10	3.3	5785.020	5725 to 5850	Pass
			30	3.3	5785.040	5725 to 5850	Pass
			40	3.3	5785.040	5725 to 5850	Pass
			50	3.3	5785.040	5725 to 5850	Pass
		5825	20	3.1	5825.000	5725 to 5850	Pass
				3.3	5825.040	5725 to 5850	Pass
				3.5	5825.020	5725 to 5850	Pass
			-30	3.3	5825.040	5725 to 5850	Pass
			-20	3.3	5825.000	5725 to 5850	Pass
			-10	3.3	5825.040	5725 to 5850	Pass
			0	3.3	5825.000	5725 to 5850	Pass
			10	3.3	5825.000	5725 to 5850	Pass
			30	3.3	5825.040	5725 to 5850	Pass
			40	3.3	5825.040	5725 to 5850	Pass
			50	3.3	5825.040	5725 to 5850	Pass
802.11n (HT40)	MIMO	5190	20	3.1	5190.040	5150 to 5250	Pass
				3.3	5190.080	5150 to 5250	Pass
				3.5	5190.080	5150 to 5250	Pass
			-30	3.3	5190.040	5150 to 5250	Pass
			-20	3.3	5190.000	5150 to 5250	Pass
			-10	3.3	5190.000	5150 to 5250	Pass
			0	3.3	5190.080	5150 to 5250	Pass
			10	3.3	5190.040	5150 to 5250	Pass
			30	3.3	5190.080	5150 to 5250	Pass
			40	3.3	5190.000	5150 to 5250	Pass
			50	3.3	5190.080	5150 to 5250	Pass
		5230	20	3.1	5230.040	5150 to 5250	Pass
				3.3	5230.040	5150 to 5250	Pass
				3.5	5230.040	5150 to 5250	Pass
			-30	3.3	5230.120	5150 to 5250	Pass
			-20	3.3	5230.080	5150 to 5250	Pass
			-10	3.3	5230.000	5150 to 5250	Pass
			0	3.3	5230.000	5150 to 5250	Pass
			10	3.3	5230.000	5150 to 5250	Pass
			30	3.3	5230.160	5150 to 5250	Pass



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		5755	40	3.3	5230.040	5150 to 5250	Pass
			50	3.3	5229.960	5150 to 5250	Pass
			20	3.1	5755.000	5725 to 5850	Pass
				3.3	5755.040	5725 to 5850	Pass
				3.5	5755.120	5725 to 5850	Pass
			-30	3.3	5755.080	5725 to 5850	Pass
			-20	3.3	5755.080	5725 to 5850	Pass
			-10	3.3	5755.040	5725 to 5850	Pass
			0	3.3	5755.080	5725 to 5850	Pass
			10	3.3	5755.040	5725 to 5850	Pass
			30	3.3	5755.120	5725 to 5850	Pass
			40	3.3	5755.120	5725 to 5850	Pass
			50	3.3	5755.040	5725 to 5850	Pass
		5795	20	3.1	5795.080	5725 to 5850	Pass
				3.3	5795.040	5725 to 5850	Pass
				3.5	5795.080	5725 to 5850	Pass
			-30	3.3	5795.040	5725 to 5850	Pass
			-20	3.3	5795.080	5725 to 5850	Pass
			-10	3.3	5795.120	5725 to 5850	Pass
			0	3.3	5795.120	5725 to 5850	Pass
			10	3.3	5795.120	5725 to 5850	Pass
			30	3.3	5795.120	5725 to 5850	Pass
			40	3.3	5795.080	5725 to 5850	Pass
			50	3.3	5795.120	5725 to 5850	Pass
802.11ac (VHT20)	MIMO	5180	20	3.1	5180.020	5150 to 5250	Pass
				3.3	5180.020	5150 to 5250	Pass
				3.5	5180.020	5150 to 5250	Pass
			-30	3.3	5180.040	5150 to 5250	Pass
			-20	3.3	5180.020	5150 to 5250	Pass
			-10	3.3	5180.040	5150 to 5250	Pass
			0	3.3	5180.020	5150 to 5250	Pass
			10	3.3	5180.000	5150 to 5250	Pass
			30	3.3	5180.020	5150 to 5250	Pass
			40	3.3	5180.040	5150 to 5250	Pass
		5200	20	3.1	5200.000	5150 to 5250	Pass
				3.3	5200.000	5150 to 5250	Pass
				3.5	5200.020	5150 to 5250	Pass
			-30	3.3	5200.040	5150 to 5250	Pass
			-20	3.3	5200.040	5150 to 5250	Pass
			-10	3.3	5200.040	5150 to 5250	Pass
			0	3.3	5200.020	5150 to 5250	Pass
			10	3.3	5200.020	5150 to 5250	Pass
			30	3.3	5200.040	5150 to 5250	Pass
			40	3.3	5200.000	5150 to 5250	Pass
		5240	20	3.1	5240.020	5150 to 5250	Pass
				3.3	5240.020	5150 to 5250	Pass
				3.5	5240.020	5150 to 5250	Pass
			-30	3.3	5240.000	5150 to 5250	Pass
			-20	3.3	5240.000	5150 to 5250	Pass
			-10	3.3	5240.040	5150 to 5250	Pass
			0	3.3	5240.000	5150 to 5250	Pass
			10	3.3	5240.000	5150 to 5250	Pass



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802.11ac (VHT40)	MIMO		30	3.3	5240.020	5150 to 5250	Pass
			40	3.3	5240.020	5150 to 5250	Pass
			50	3.3	5239.980	5150 to 5250	Pass
		5745	20	3.1	5745.020	5725 to 5850	Pass
				3.3	5745.060	5725 to 5850	Pass
				3.5	5745.020	5725 to 5850	Pass
			-30	3.3	5745.020	5725 to 5850	Pass
			-20	3.3	5745.040	5725 to 5850	Pass
			-10	3.3	5745.040	5725 to 5850	Pass
			0	3.3	5745.000	5725 to 5850	Pass
			10	3.3	5745.020	5725 to 5850	Pass
			30	3.3	5745.020	5725 to 5850	Pass
			40	3.3	5745.020	5725 to 5850	Pass
			50	3.3	5745.040	5725 to 5850	Pass
		5785	20	3.1	5785.020	5725 to 5850	Pass
				3.3	5785.020	5725 to 5850	Pass
				3.5	5785.020	5725 to 5850	Pass
			-30	3.3	5785.000	5725 to 5850	Pass
			-20	3.3	5785.040	5725 to 5850	Pass
			-10	3.3	5785.040	5725 to 5850	Pass
			0	3.3	5784.980	5725 to 5850	Pass
			10	3.3	5785.000	5725 to 5850	Pass
			30	3.3	5784.980	5725 to 5850	Pass
			40	3.3	5785.020	5725 to 5850	Pass
			50	3.3	5785.020	5725 to 5850	Pass
		5825	20	3.1	5825.000	5725 to 5850	Pass
				3.3	5825.000	5725 to 5850	Pass
				3.5	5825.040	5725 to 5850	Pass
			-30	3.3	5825.020	5725 to 5850	Pass
			-20	3.3	5825.020	5725 to 5850	Pass
			-10	3.3	5825.000	5725 to 5850	Pass
			0	3.3	5825.020	5725 to 5850	Pass
			10	3.3	5825.020	5725 to 5850	Pass
			30	3.3	5825.020	5725 to 5850	Pass
			40	3.3	5825.000	5725 to 5850	Pass
			50	3.3	5825.020	5725 to 5850	Pass
		5190	20	3.1	5190.080	5150 to 5250	Pass
				3.3	5190.040	5150 to 5250	Pass
				3.5	5190.040	5150 to 5250	Pass
			-30	3.3	5190.040	5150 to 5250	Pass
			-20	3.3	5190.040	5150 to 5250	Pass
			-10	3.3	5190.040	5150 to 5250	Pass
			0	3.3	5190.080	5150 to 5250	Pass
			10	3.3	5190.040	5150 to 5250	Pass
			30	3.3	5190.040	5150 to 5250	Pass
			40	3.3	5190.000	5150 to 5250	Pass
			50	3.3	5190.080	5150 to 5250	Pass
		5230	20	3.1	5229.960	5150 to 5250	Pass
				3.3	5230.040	5150 to 5250	Pass
				3.5	5230.040	5150 to 5250	Pass
			-30	3.3	5230.040	5150 to 5250	Pass
			-20	3.3	5230.040	5150 to 5250	Pass
			-10	3.3	5230.040	5150 to 5250	Pass
			0	3.3	5230.120	5150 to 5250	Pass



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			10	3.3	5230.040	5150 to 5250	Pass
			30	3.3	5230.040	5150 to 5250	Pass
			40	3.3	5230.040	5150 to 5250	Pass
			50	3.3	5230.080	5150 to 5250	Pass
		5755	20	3.1	5755.120	5725 to 5850	Pass
				3.3	5755.160	5725 to 5850	Pass
				3.5	5755.040	5725 to 5850	Pass
			-30	3.3	5755.080	5725 to 5850	Pass
			-20	3.3	5755.080	5725 to 5850	Pass
			-10	3.3	5755.160	5725 to 5850	Pass
			0	3.3	5755.080	5725 to 5850	Pass
			10	3.3	5755.080	5725 to 5850	Pass
			30	3.3	5755.120	5725 to 5850	Pass
			40	3.3	5755.040	5725 to 5850	Pass
			50	3.3	5755.080	5725 to 5850	Pass
		5795	20	3.1	5795.080	5725 to 5850	Pass
				3.3	5795.040	5725 to 5850	Pass
				3.5	5795.040	5725 to 5850	Pass
			-30	3.3	5795.080	5725 to 5850	Pass
			-20	3.3	5795.080	5725 to 5850	Pass
			-10	3.3	5795.040	5725 to 5850	Pass
			0	3.3	5795.080	5725 to 5850	Pass
			10	3.3	5795.040	5725 to 5850	Pass
			30	3.3	5795.080	5725 to 5850	Pass
			40	3.3	5795.120	5725 to 5850	Pass
			50	3.3	5795.080	5725 to 5850	Pass
802.11ac (VHT80)	MIMO	5210	20	3.1	5210.000	5150 to 5250	Pass
				3.3	5210.075	5150 to 5250	Pass
				3.5	5210.000	5150 to 5250	Pass
			-30	3.3	5210.000	5150 to 5250	Pass
			-20	3.3	5210.000	5150 to 5250	Pass
			-10	3.3	5210.000	5150 to 5250	Pass
			0	3.3	5210.075	5150 to 5250	Pass
			10	3.3	5210.075	5150 to 5250	Pass
			30	3.3	5210.075	5150 to 5250	Pass
			40	3.3	5210.000	5150 to 5250	Pass
			50	3.3	5210.000	5150 to 5250	Pass
		5775	20	3.1	5775.000	5725 to 5850	Pass
				3.3	5775.000	5725 to 5850	Pass
				3.5	5775.000	5725 to 5850	Pass
			-30	3.3	5775.075	5725 to 5850	Pass
			-20	3.3	5775.075	5725 to 5850	Pass
			-10	3.3	5775.150	5725 to 5850	Pass
			0	3.3	5775.075	5725 to 5850	Pass
			10	3.3	5775.075	5725 to 5850	Pass
			30	3.3	5775.150	5725 to 5850	Pass
			40	3.3	5775.075	5725 to 5850	Pass
			50	3.3	5775.150	5725 to 5850	Pass



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5.2 Ant2

5.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (V DC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	3.1	5180.060	5150 to 5250	Pass
				3.3	5180.100	5150 to 5250	Pass
				3.5	5180.000	5150 to 5250	Pass
			-30	3.3	5180.060	5150 to 5250	Pass
			-20	3.3	5180.080	5150 to 5250	Pass
			-10	3.3	5180.040	5150 to 5250	Pass
			0	3.3	5180.040	5150 to 5250	Pass
			10	3.3	5180.020	5150 to 5250	Pass
			30	3.3	5180.060	5150 to 5250	Pass
			40	3.3	5180.080	5150 to 5250	Pass
			50	3.3	5179.980	5150 to 5250	Pass
		5200	20	3.1	5200.020	5150 to 5250	Pass
				3.3	5200.060	5150 to 5250	Pass
				3.5	5200.040	5150 to 5250	Pass
			-30	3.3	5200.020	5150 to 5250	Pass
			-20	3.3	5200.060	5150 to 5250	Pass
			-10	3.3	5200.020	5150 to 5250	Pass
			0	3.3	5200.020	5150 to 5250	Pass
			10	3.3	5200.020	5150 to 5250	Pass
			30	3.3	5200.060	5150 to 5250	Pass
			40	3.3	5200.020	5150 to 5250	Pass
			50	3.3	5200.000	5150 to 5250	Pass
		5240	20	3.1	5240.020	5150 to 5250	Pass
				3.3	5239.980	5150 to 5250	Pass
				3.5	5240.060	5150 to 5250	Pass
			-30	3.3	5240.040	5150 to 5250	Pass
			-20	3.3	5240.020	5150 to 5250	Pass
			-10	3.3	5240.060	5150 to 5250	Pass
			0	3.3	5240.040	5150 to 5250	Pass
			10	3.3	5240.040	5150 to 5250	Pass
			30	3.3	5240.040	5150 to 5250	Pass
			40	3.3	5240.020	5150 to 5250	Pass
			50	3.3	5240.060	5150 to 5250	Pass
		5745	20	3.1	5745.000	5725 to 5850	Pass
				3.3	5745.020	5725 to 5850	Pass
				3.5	5745.000	5725 to 5850	Pass
			-30	3.3	5745.020	5725 to 5850	Pass
			-20	3.3	5745.000	5725 to 5850	Pass
			-10	3.3	5744.980	5725 to 5850	Pass
			0	3.3	5745.020	5725 to 5850	Pass
			10	3.3	5745.020	5725 to 5850	Pass
			30	3.3	5745.020	5725 to 5850	Pass
			40	3.3	5745.040	5725 to 5850	Pass
			50	3.3	5745.040	5725 to 5850	Pass
		5785	20	3.1	5785.000	5725 to 5850	Pass
				3.3	5785.040	5725 to 5850	Pass
				3.5	5785.080	5725 to 5850	Pass



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			-30	3.3	5785.020	5725 to 5850	Pass
			-20	3.3	5785.000	5725 to 5850	Pass
			-10	3.3	5785.000	5725 to 5850	Pass
			0	3.3	5785.000	5725 to 5850	Pass
			10	3.3	5785.020	5725 to 5850	Pass
			30	3.3	5785.000	5725 to 5850	Pass
			40	3.3	5785.040	5725 to 5850	Pass
			50	3.3	5785.060	5725 to 5850	Pass
		5825	20	3.1	5825.060	5725 to 5850	Pass
				3.3	5825.000	5725 to 5850	Pass
				3.5	5825.040	5725 to 5850	Pass
			-30	3.3	5824.980	5725 to 5850	Pass
			-20	3.3	5825.040	5725 to 5850	Pass
			-10	3.3	5825.020	5725 to 5850	Pass
			0	3.3	5825.020	5725 to 5850	Pass
			10	3.3	5825.060	5725 to 5850	Pass
			30	3.3	5825.000	5725 to 5850	Pass
			40	3.3	5825.060	5725 to 5850	Pass
			50	3.3	5825.040	5725 to 5850	Pass
802.11n (HT20)	MIMO	5180	20	3.1	5180.040	5150 to 5250	Pass
				3.3	5180.040	5150 to 5250	Pass
				3.5	5180.060	5150 to 5250	Pass
			-30	3.3	5180.060	5150 to 5250	Pass
			-20	3.3	5180.040	5150 to 5250	Pass
			-10	3.3	5180.020	5150 to 5250	Pass
			0	3.3	5180.000	5150 to 5250	Pass
			10	3.3	5180.020	5150 to 5250	Pass
			30	3.3	5180.040	5150 to 5250	Pass
			40	3.3	5180.020	5150 to 5250	Pass
			50	3.3	5180.020	5150 to 5250	Pass
		5200	20	3.1	5200.020	5150 to 5250	Pass
				3.3	5200.000	5150 to 5250	Pass
				3.5	5200.040	5150 to 5250	Pass
			-30	3.3	5200.020	5150 to 5250	Pass
			-20	3.3	5200.020	5150 to 5250	Pass
			-10	3.3	5200.060	5150 to 5250	Pass
			0	3.3	5200.020	5150 to 5250	Pass
			10	3.3	5200.040	5150 to 5250	Pass
			30	3.3	5200.020	5150 to 5250	Pass
			40	3.3	5200.020	5150 to 5250	Pass
			50	3.3	5200.040	5150 to 5250	Pass
		5240	20	3.1	5240.040	5150 to 5250	Pass
				3.3	5240.040	5150 to 5250	Pass
				3.5	5240.020	5150 to 5250	Pass
			-30	3.3	5240.060	5150 to 5250	Pass
			-20	3.3	5240.020	5150 to 5250	Pass
			-10	3.3	5240.080	5150 to 5250	Pass
			0	3.3	5240.040	5150 to 5250	Pass
			10	3.3	5240.040	5150 to 5250	Pass
			30	3.3	5240.040	5150 to 5250	Pass
			40	3.3	5240.020	5150 to 5250	Pass
			50	3.3	5240.020	5150 to 5250	Pass
		5745	20	3.1	5745.040	5725 to 5850	Pass
				3.3	5745.040	5725 to 5850	Pass



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				3.5	5745.040	5725 to 5850	Pass
			-30	3.3	5745.020	5725 to 5850	Pass
			-20	3.3	5745.040	5725 to 5850	Pass
			-10	3.3	5745.020	5725 to 5850	Pass
			0	3.3	5745.020	5725 to 5850	Pass
			10	3.3	5745.040	5725 to 5850	Pass
			30	3.3	5745.000	5725 to 5850	Pass
			40	3.3	5745.060	5725 to 5850	Pass
			50	3.3	5744.980	5725 to 5850	Pass
		5785	20	3.1	5785.020	5725 to 5850	Pass
				3.3	5785.020	5725 to 5850	Pass
				3.5	5785.060	5725 to 5850	Pass
			-30	3.3	5785.040	5725 to 5850	Pass
			-20	3.3	5785.000	5725 to 5850	Pass
			-10	3.3	5785.020	5725 to 5850	Pass
			0	3.3	5785.020	5725 to 5850	Pass
			10	3.3	5785.000	5725 to 5850	Pass
			30	3.3	5785.020	5725 to 5850	Pass
			40	3.3	5785.060	5725 to 5850	Pass
			50	3.3	5785.040	5725 to 5850	Pass
		5825	20	3.1	5825.060	5725 to 5850	Pass
				3.3	5824.980	5725 to 5850	Pass
				3.5	5825.000	5725 to 5850	Pass
			-30	3.3	5825.000	5725 to 5850	Pass
			-20	3.3	5825.000	5725 to 5850	Pass
			-10	3.3	5825.020	5725 to 5850	Pass
			0	3.3	5825.020	5725 to 5850	Pass
			10	3.3	5825.020	5725 to 5850	Pass
			30	3.3	5825.020	5725 to 5850	Pass
			40	3.3	5825.040	5725 to 5850	Pass
			50	3.3	5825.040	5725 to 5850	Pass
802.11n (HT40)	MIMO	5190	20	3.1	5190.080	5150 to 5250	Pass
				3.3	5190.080	5150 to 5250	Pass
				3.5	5190.040	5150 to 5250	Pass
			-30	3.3	5190.080	5150 to 5250	Pass
			-20	3.3	5190.000	5150 to 5250	Pass
			-10	3.3	5190.160	5150 to 5250	Pass
			0	3.3	5190.040	5150 to 5250	Pass
			10	3.3	5190.120	5150 to 5250	Pass
			30	3.3	5190.120	5150 to 5250	Pass
			40	3.3	5190.080	5150 to 5250	Pass
			50	3.3	5190.040	5150 to 5250	Pass
		5230	20	3.1	5230.120	5150 to 5250	Pass
				3.3	5230.040	5150 to 5250	Pass
				3.5	5230.120	5150 to 5250	Pass
			-30	3.3	5230.120	5150 to 5250	Pass
			-20	3.3	5230.040	5150 to 5250	Pass
			-10	3.3	5230.040	5150 to 5250	Pass
			0	3.3	5230.080	5150 to 5250	Pass
			10	3.3	5230.040	5150 to 5250	Pass
			30	3.3	5230.120	5150 to 5250	Pass
			40	3.3	5230.120	5150 to 5250	Pass
			50	3.3	5230.120	5150 to 5250	Pass
		5755	20	3.1	5755.040	5725 to 5850	Pass



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802.11ac (VHT20)	MIMO	5795		3.3	5755.040	5725 to 5850	Pass
				3.5	5755.080	5725 to 5850	Pass
			-30	3.3	5755.040	5725 to 5850	Pass
			-20	3.3	5755.080	5725 to 5850	Pass
			-10	3.3	5755.040	5725 to 5850	Pass
			0	3.3	5755.080	5725 to 5850	Pass
			10	3.3	5755.040	5725 to 5850	Pass
			30	3.3	5755.080	5725 to 5850	Pass
			40	3.3	5755.040	5725 to 5850	Pass
			50	3.3	5755.080	5725 to 5850	Pass
		5180		3.1	5795.120	5725 to 5850	Pass
				3.3	5795.080	5725 to 5850	Pass
				3.5	5795.040	5725 to 5850	Pass
			-30	3.3	5795.120	5725 to 5850	Pass
			-20	3.3	5795.040	5725 to 5850	Pass
			-10	3.3	5795.120	5725 to 5850	Pass
			0	3.3	5795.120	5725 to 5850	Pass
			10	3.3	5795.120	5725 to 5850	Pass
			30	3.3	5795.080	5725 to 5850	Pass
			40	3.3	5795.120	5725 to 5850	Pass
			50	3.3	5795.120	5725 to 5850	Pass
		5200		3.1	5180.040	5150 to 5250	Pass
				3.3	5180.040	5150 to 5250	Pass
				3.5	5180.000	5150 to 5250	Pass
			-30	3.3	5180.060	5150 to 5250	Pass
			-20	3.3	5180.000	5150 to 5250	Pass
			-10	3.3	5180.000	5150 to 5250	Pass
			0	3.3	5180.040	5150 to 5250	Pass
			10	3.3	5180.020	5150 to 5250	Pass
			30	3.3	5180.060	5150 to 5250	Pass
			40	3.3	5180.040	5150 to 5250	Pass
			50	3.3	5180.080	5150 to 5250	Pass
		5240		3.1	5200.020	5150 to 5250	Pass
				3.3	5200.040	5150 to 5250	Pass
				3.5	5200.000	5150 to 5250	Pass
			-30	3.3	5200.020	5150 to 5250	Pass
			-20	3.3	5200.040	5150 to 5250	Pass
			-10	3.3	5200.020	5150 to 5250	Pass
			0	3.3	5200.080	5150 to 5250	Pass
			10	3.3	5200.040	5150 to 5250	Pass
			30	3.3	5200.060	5150 to 5250	Pass
			40	3.3	5200.020	5150 to 5250	Pass
			50	3.3	5200.020	5150 to 5250	Pass
		5240		3.1	5240.020	5150 to 5250	Pass
				3.3	5240.040	5150 to 5250	Pass
				3.5	5240.000	5150 to 5250	Pass
			-30	3.3	5240.000	5150 to 5250	Pass
			-20	3.3	5240.040	5150 to 5250	Pass
			-10	3.3	5240.060	5150 to 5250	Pass
			0	3.3	5240.020	5150 to 5250	Pass
			10	3.3	5240.040	5150 to 5250	Pass
			30	3.3	5240.020	5150 to 5250	Pass
			40	3.3	5240.020	5150 to 5250	Pass
			50	3.3	5240.020	5150 to 5250	Pass



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		5745	20	3.1	5745.000	5725 to 5850	Pass
				3.3	5745.020	5725 to 5850	Pass
				3.5	5745.020	5725 to 5850	Pass
			-30	3.3	5745.000	5725 to 5850	Pass
			-20	3.3	5745.020	5725 to 5850	Pass
			-10	3.3	5745.020	5725 to 5850	Pass
			0	3.3	5745.000	5725 to 5850	Pass
			10	3.3	5745.000	5725 to 5850	Pass
			30	3.3	5745.000	5725 to 5850	Pass
			40	3.3	5745.020	5725 to 5850	Pass
			50	3.3	5745.000	5725 to 5850	Pass
		5785	20	3.1	5785.020	5725 to 5850	Pass
				3.3	5785.020	5725 to 5850	Pass
				3.5	5785.020	5725 to 5850	Pass
			-30	3.3	5785.000	5725 to 5850	Pass
			-20	3.3	5785.000	5725 to 5850	Pass
			-10	3.3	5785.020	5725 to 5850	Pass
			0	3.3	5785.020	5725 to 5850	Pass
			10	3.3	5785.020	5725 to 5850	Pass
			30	3.3	5785.020	5725 to 5850	Pass
			40	3.3	5785.040	5725 to 5850	Pass
			50	3.3	5784.980	5725 to 5850	Pass
		5825	20	3.1	5825.000	5725 to 5850	Pass
				3.3	5825.000	5725 to 5850	Pass
				3.5	5825.020	5725 to 5850	Pass
			-30	3.3	5825.020	5725 to 5850	Pass
			-20	3.3	5825.000	5725 to 5850	Pass
			-10	3.3	5825.020	5725 to 5850	Pass
			0	3.3	5825.020	5725 to 5850	Pass
			10	3.3	5825.000	5725 to 5850	Pass
			30	3.3	5825.020	5725 to 5850	Pass
			40	3.3	5825.020	5725 to 5850	Pass
			50	3.3	5825.020	5725 to 5850	Pass
802.11ac (VHT40)	MIMO	5190	20	3.1	5190.080	5150 to 5250	Pass
				3.3	5190.080	5150 to 5250	Pass
				3.5	5190.000	5150 to 5250	Pass
			-30	3.3	5190.080	5150 to 5250	Pass
			-20	3.3	5190.120	5150 to 5250	Pass
			-10	3.3	5190.040	5150 to 5250	Pass
			0	3.3	5190.080	5150 to 5250	Pass
			10	3.3	5190.080	5150 to 5250	Pass
			30	3.3	5190.040	5150 to 5250	Pass
			40	3.3	5190.120	5150 to 5250	Pass
			50	3.3	5190.040	5150 to 5250	Pass
		5230	20	3.1	5230.080	5150 to 5250	Pass
				3.3	5230.080	5150 to 5250	Pass
				3.5	5230.080	5150 to 5250	Pass
			-30	3.3	5230.120	5150 to 5250	Pass
			-20	3.3	5230.080	5150 to 5250	Pass
			-10	3.3	5230.080	5150 to 5250	Pass
			0	3.3	5230.040	5150 to 5250	Pass
			10	3.3	5230.080	5150 to 5250	Pass
			30	3.3	5230.080	5150 to 5250	Pass
			40	3.3	5230.080	5150 to 5250	Pass



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		5755	50	3.3	5230.120	5150 to 5250	Pass
			20	3.1	5755.120	5725 to 5850	Pass
				3.3	5755.080	5725 to 5850	Pass
				3.5	5755.080	5725 to 5850	Pass
				3.3	5755.080	5725 to 5850	Pass
			-30	3.3	5755.080	5725 to 5850	Pass
			-20	3.3	5755.080	5725 to 5850	Pass
			-10	3.3	5755.080	5725 to 5850	Pass
			0	3.3	5755.040	5725 to 5850	Pass
			10	3.3	5755.040	5725 to 5850	Pass
			30	3.3	5755.040	5725 to 5850	Pass
			40	3.3	5755.080	5725 to 5850	Pass
			50	3.3	5755.040	5725 to 5850	Pass
		5795	20	3.1	5795.040	5725 to 5850	Pass
				3.3	5795.080	5725 to 5850	Pass
				3.5	5795.120	5725 to 5850	Pass
			-30	3.3	5795.040	5725 to 5850	Pass
			-20	3.3	5795.080	5725 to 5850	Pass
			-10	3.3	5795.080	5725 to 5850	Pass
			0	3.3	5795.120	5725 to 5850	Pass
			10	3.3	5795.040	5725 to 5850	Pass
			30	3.3	5795.160	5725 to 5850	Pass
			40	3.3	5795.080	5725 to 5850	Pass
			50	3.3	5794.960	5725 to 5850	Pass
802.11ac (VHT80)	MIMO	5210	20	3.1	5210.075	5150 to 5250	Pass
				3.3	5210.075	5150 to 5250	Pass
				3.5	5210.075	5150 to 5250	Pass
			-30	3.3	5210.075	5150 to 5250	Pass
			-20	3.3	5210.075	5150 to 5250	Pass
			-10	3.3	5210.075	5150 to 5250	Pass
			0	3.3	5210.075	5150 to 5250	Pass
			10	3.3	5210.075	5150 to 5250	Pass
			30	3.3	5210.075	5150 to 5250	Pass
			40	3.3	5210.075	5150 to 5250	Pass
			50	3.3	5210.075	5150 to 5250	Pass
		5775	20	3.1	5775.075	5725 to 5850	Pass
				3.3	5775.075	5725 to 5850	Pass
				3.5	5775.075	5725 to 5850	Pass
			-30	3.3	5775.075	5725 to 5850	Pass
			-20	3.3	5775.075	5725 to 5850	Pass
			-10	3.3	5775.075	5725 to 5850	Pass
			0	3.3	5775.075	5725 to 5850	Pass
			10	3.3	5775.075	5725 to 5850	Pass
			30	3.3	5775.075	5725 to 5850	Pass
			40	3.3	5775.075	5725 to 5850	Pass
			50	3.3	5775.075	5725 to 5850	Pass



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