

Appendix D for KSCR220100003504-5G-RTL8812cu

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	2.064	2.295	89.93	0.46	5.24
		5200	2.064	2.276	90.69	0.42	4.90
		5240	2.064	2.277	90.65	0.43	4.90
		5745	2.064	2.295	89.93	0.46	5.24
		5785	2.064	2.286	90.29	0.44	4.90
		5825	2.064	2.286	90.29	0.44	4.87
802.11n (HT20)	MIMO	5180	1.920	2.134	89.97	0.46	5.24
		5200	1.920	2.142	89.64	0.48	5.61
		5240	1.920	2.151	89.26	0.49	5.56
		5745	1.920	2.142	89.64	0.48	5.61
		5785	1.919	2.123	90.39	0.44	4.84
		5825	1.919	2.141	89.63	0.48	5.58
802.11n (HT40)	MIMO	5190	0.945	1.122	84.22	0.75	6.56
		5230	0.944	1.166	80.96	0.92	5.33
		5755	0.944	1.175	80.34	0.95	8.15
		5795	0.944	3.915	24.11	6.18	66.71
802.11ac (VHT20)	MIMO	5180	1.932	2.187	88.34	0.54	4.59
		5200	1.932	2.151	89.82	0.47	4.31
		5240	1.932	2.178	88.71	0.52	5.46
		5745	1.932	4.813	40.14	3.96	53.61
		5785	1.931	4.502	42.89	3.68	51.28
		5825	1.932	2.177	88.75	0.52	5.43
802.11ac (VHT40)	MIMO	5190	0.952	1.207	78.87	1.03	9.23
		5230	0.952	1.171	81.30	0.90	7.53
		5755	0.952	1.188	80.13	0.96	8.77
		5795	0.952	1.180	80.68	0.93	8.13
802.11ac (VHT80)	MIMO	5210	0.461	0.715	64.48	1.91	13.83
		5775	0.460	0.715	64.34	1.92	14.97



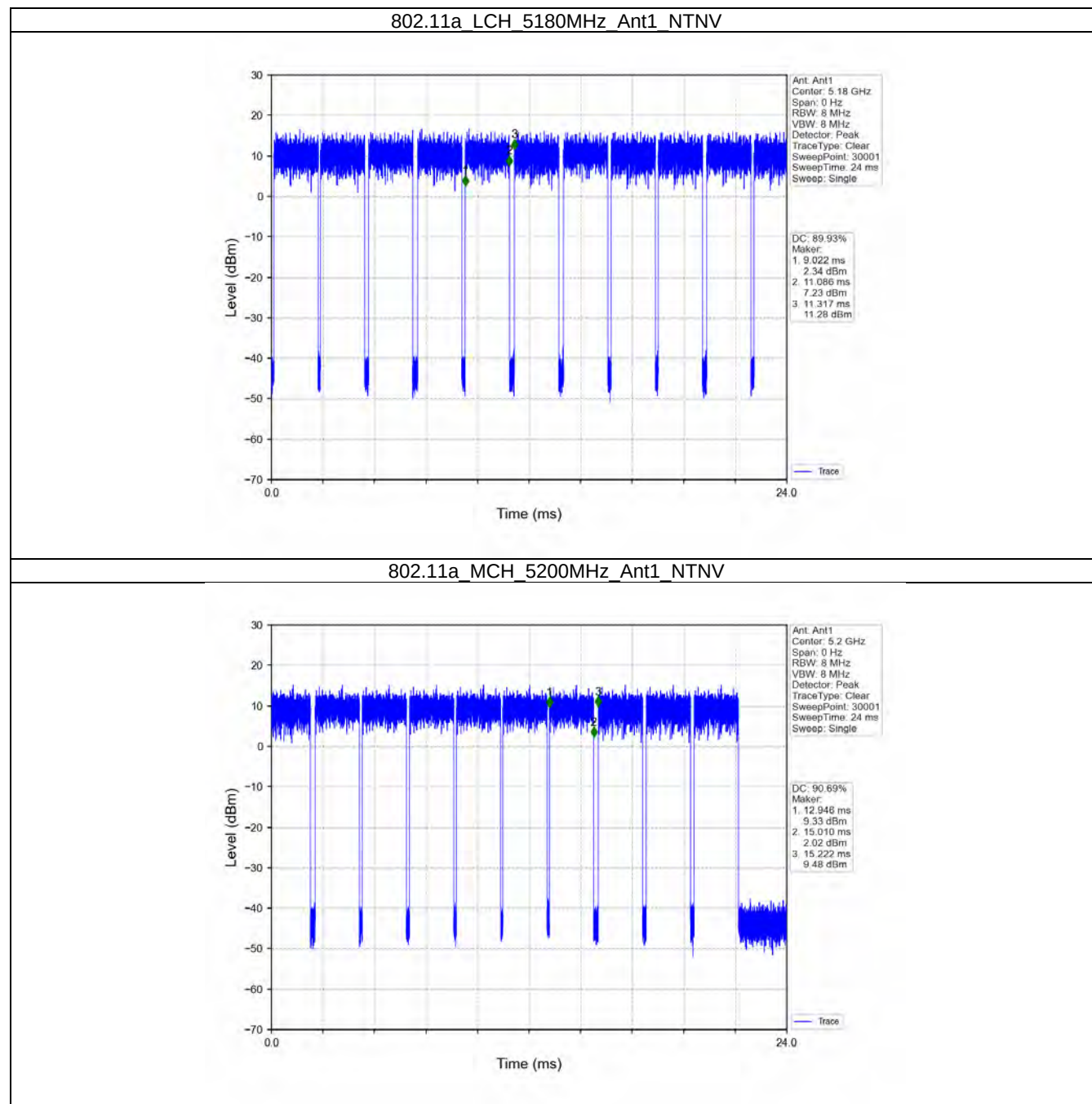
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1.1.2 Test Graph



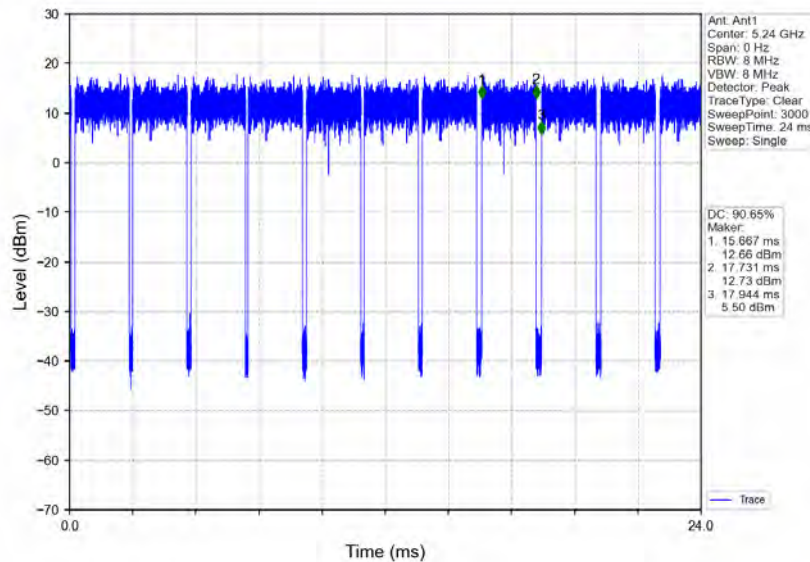
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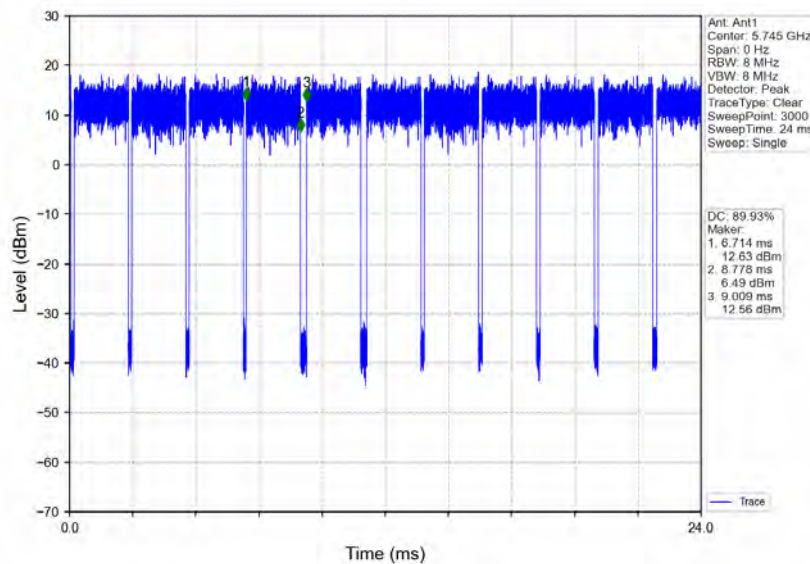
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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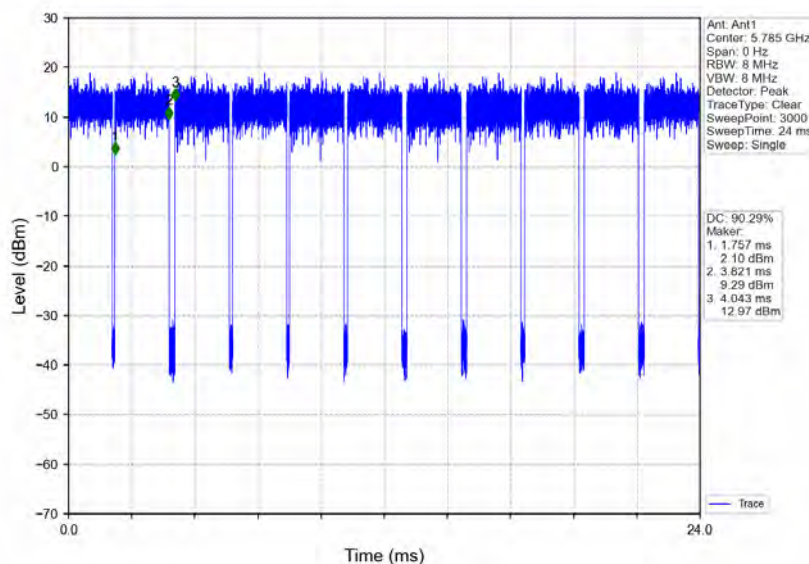
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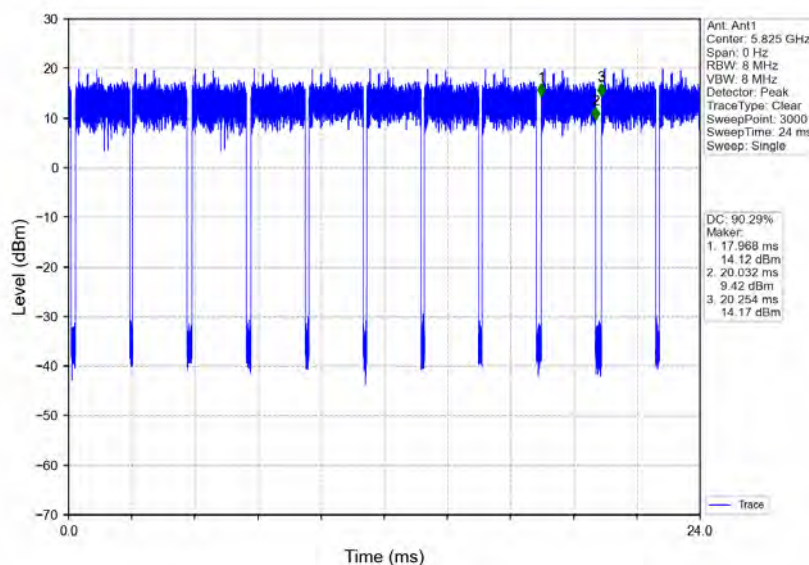
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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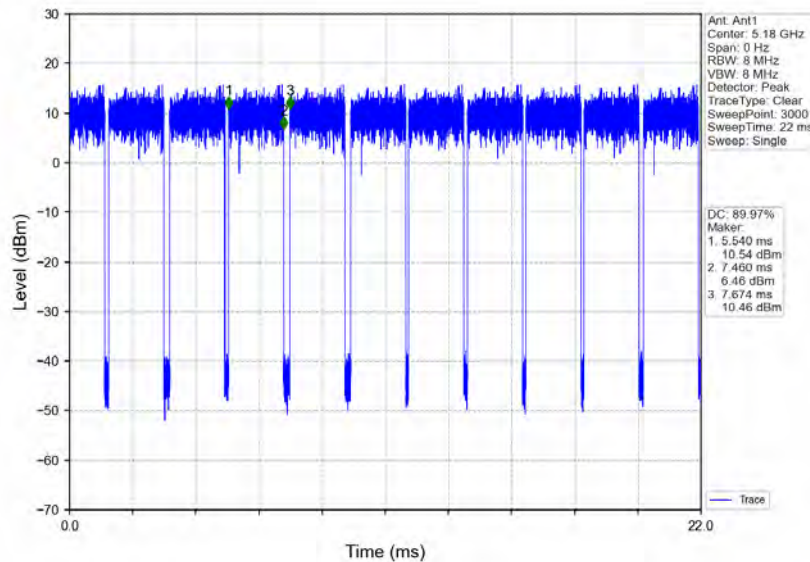
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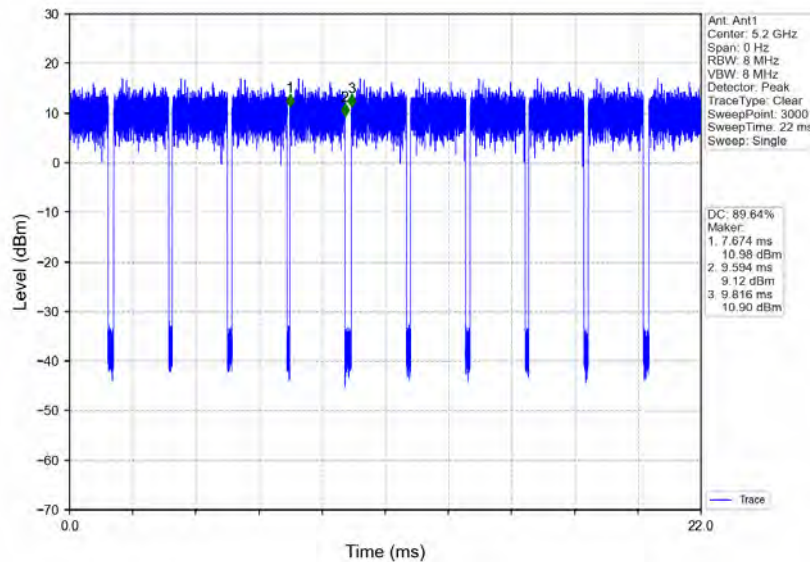
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20)_MCH_5200MHz_Ant1_NTN



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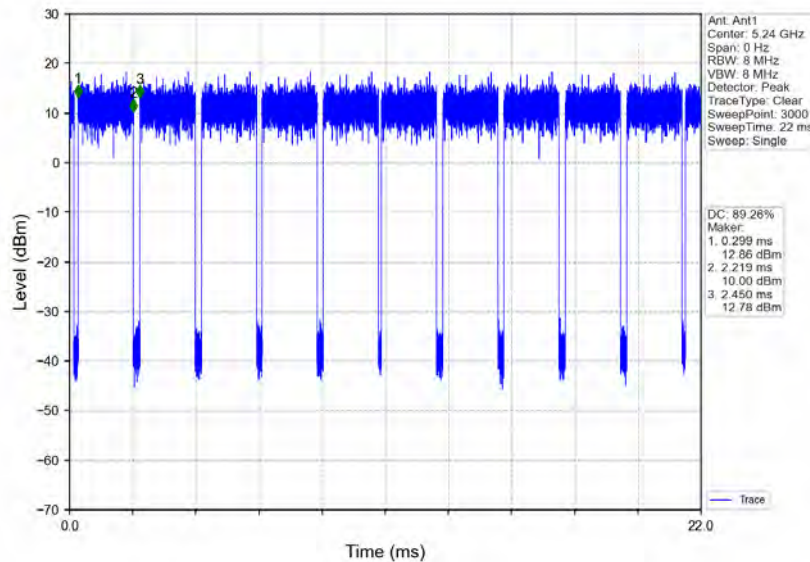
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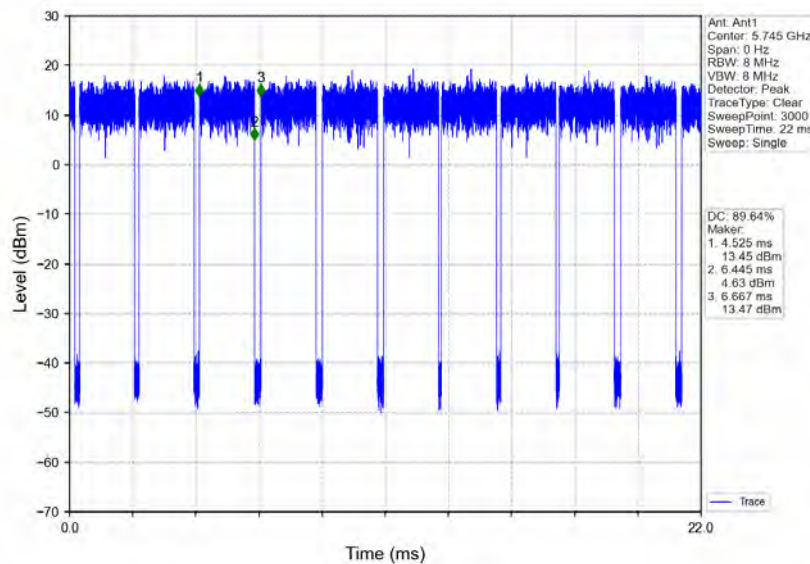
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802.11n(HT20) HCH 5240MHz Ant1 NTNV



802.11n(HT20) LCH 5745MHz Ant1 NTNV



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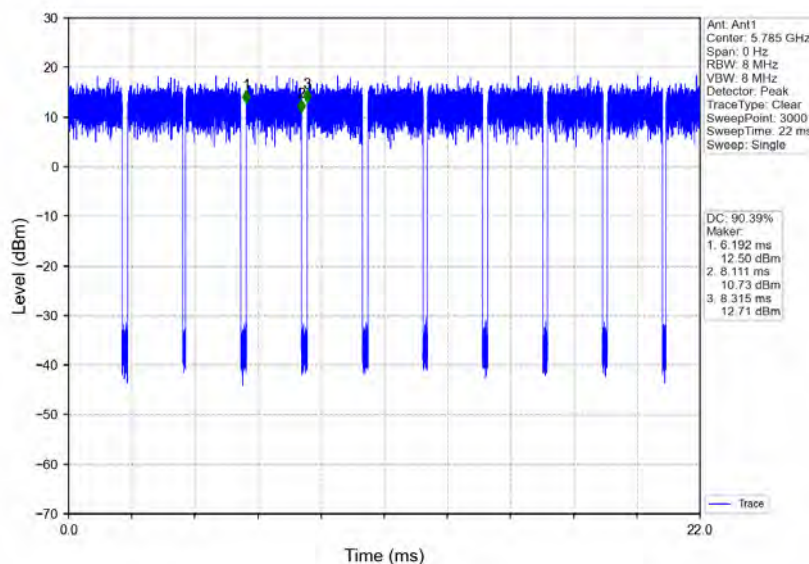
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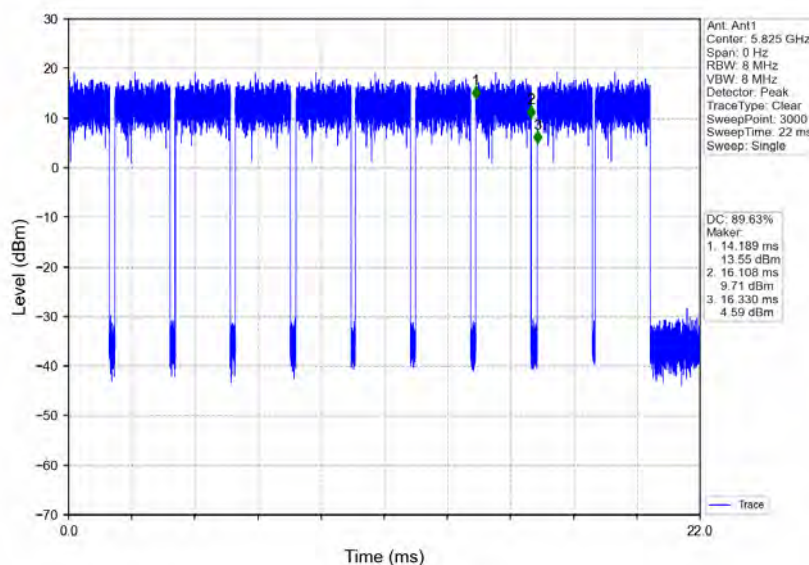
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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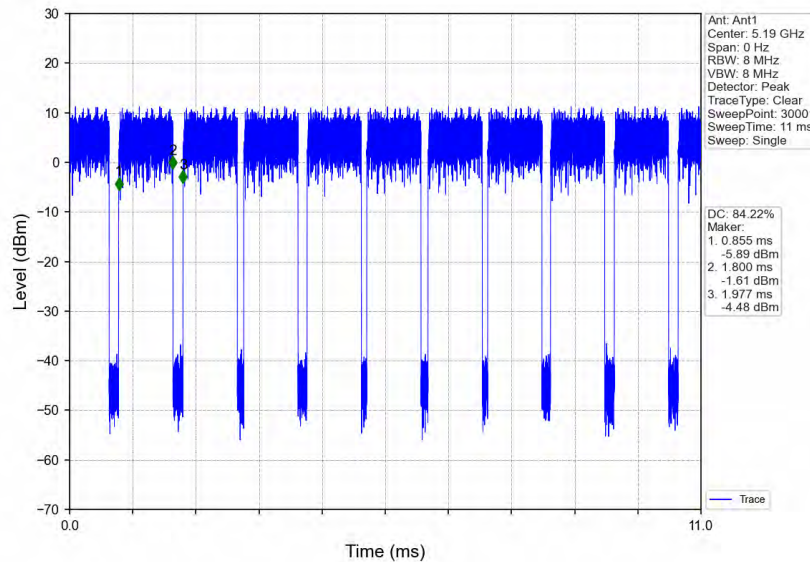
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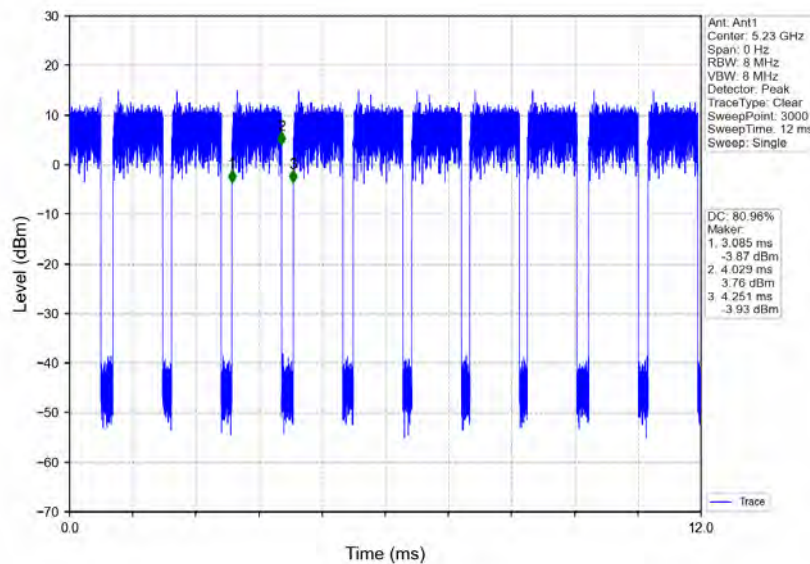
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) HCH 5230MHz Ant1 NTN



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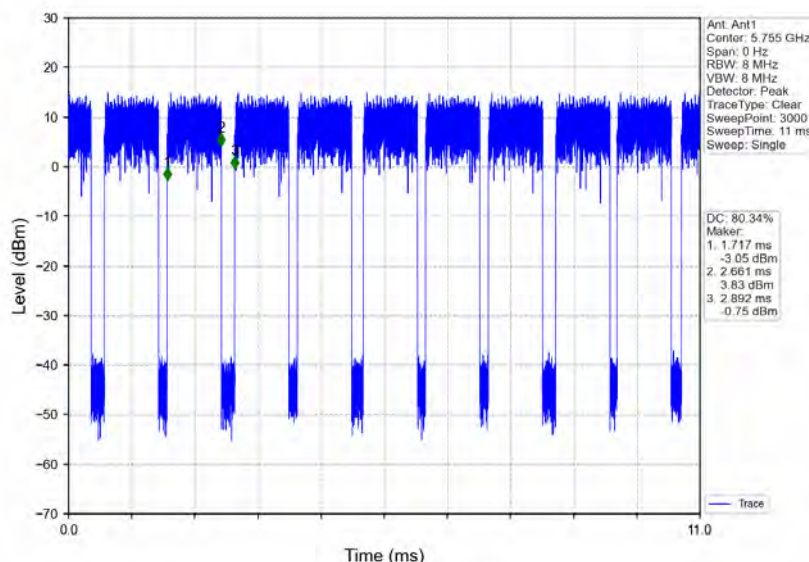
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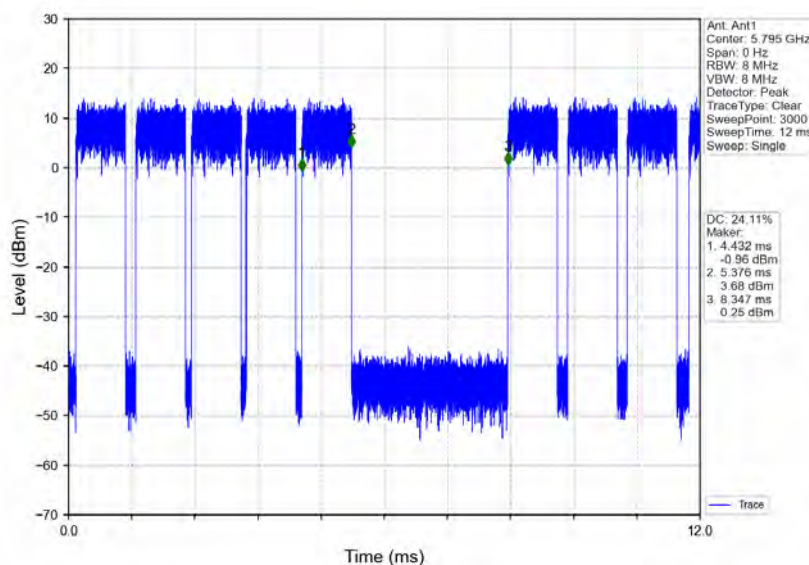
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



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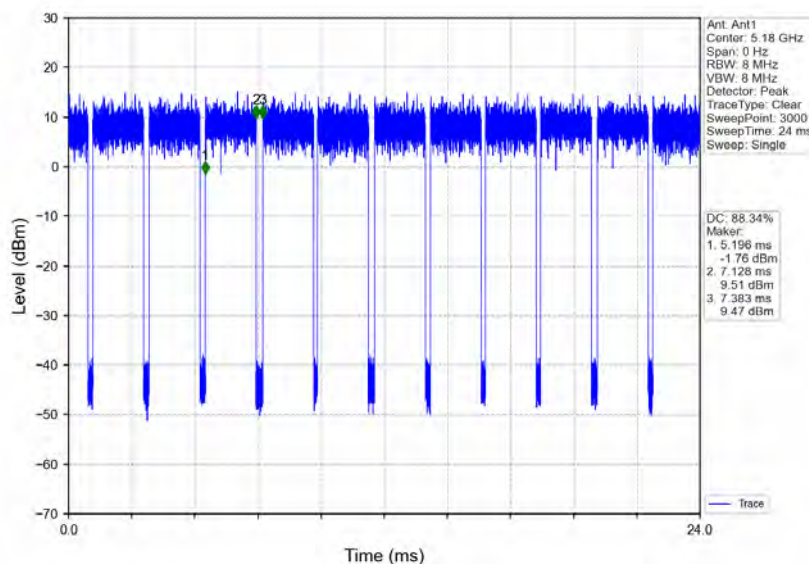
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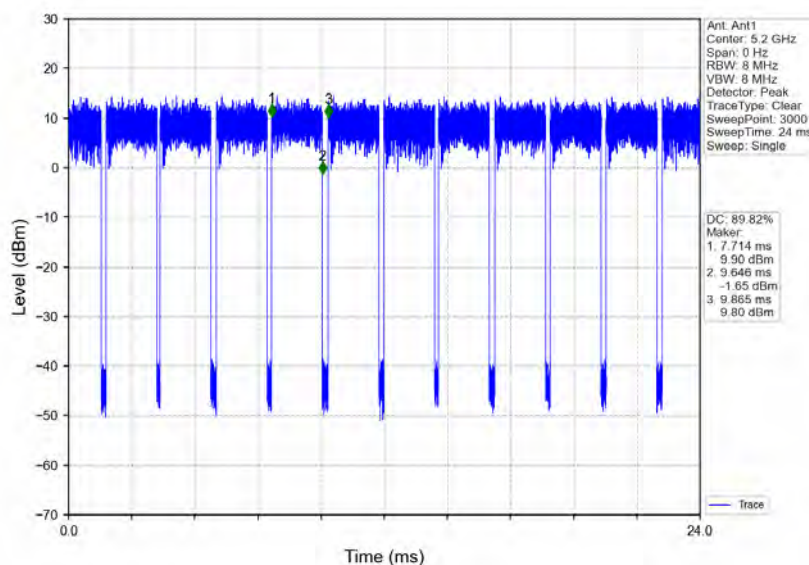
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



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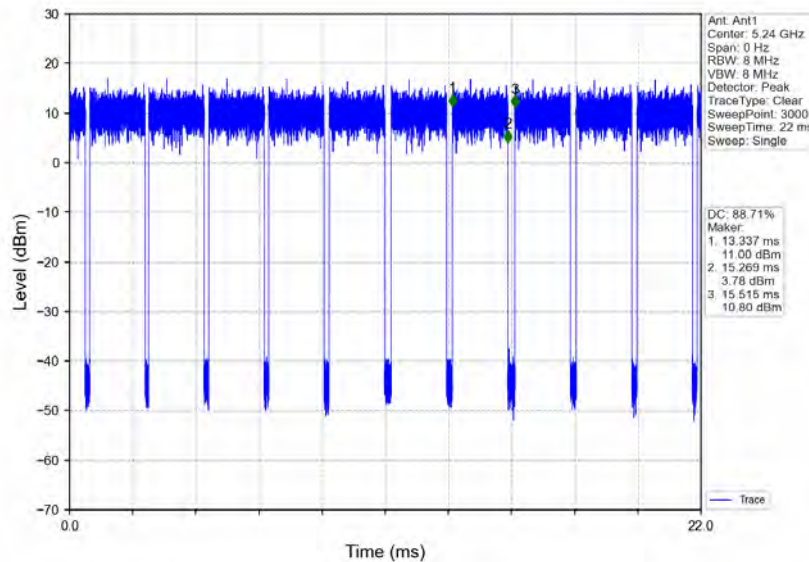
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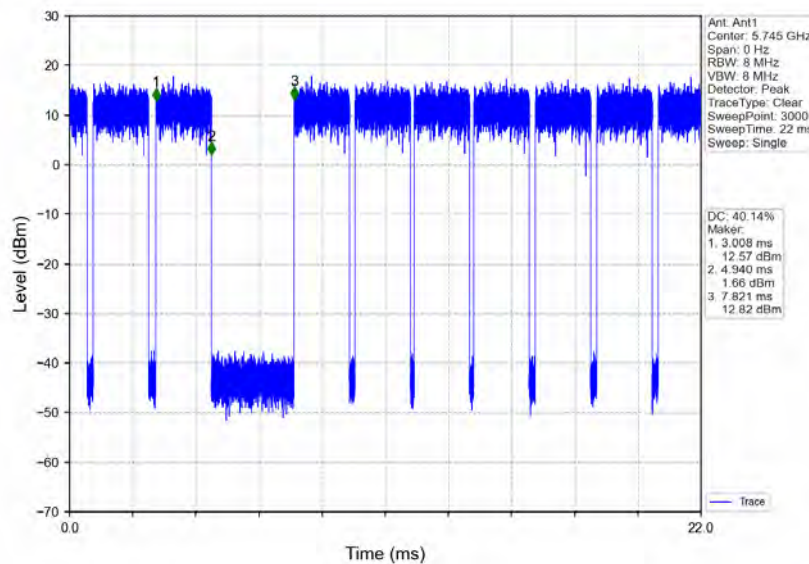
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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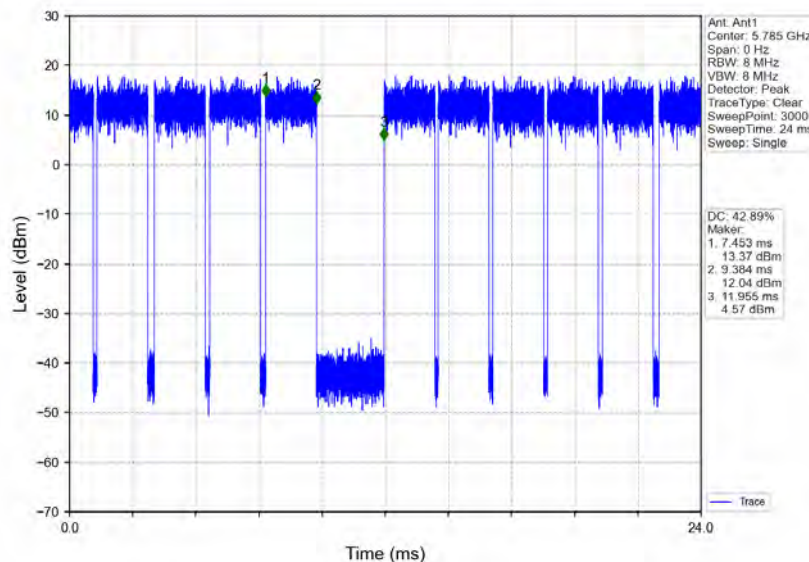
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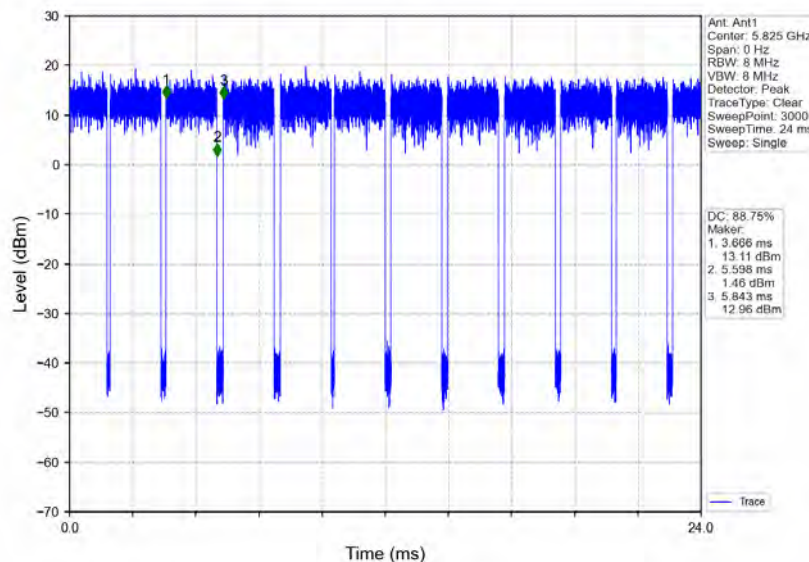
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



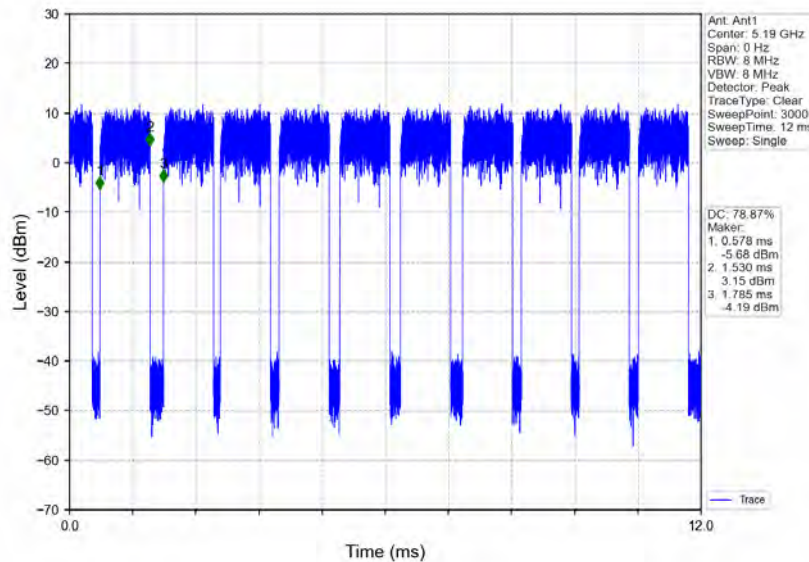
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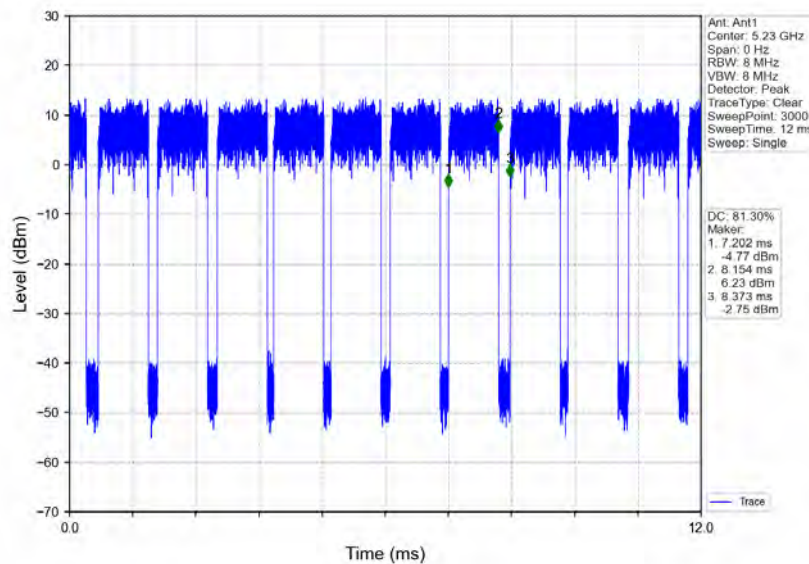
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



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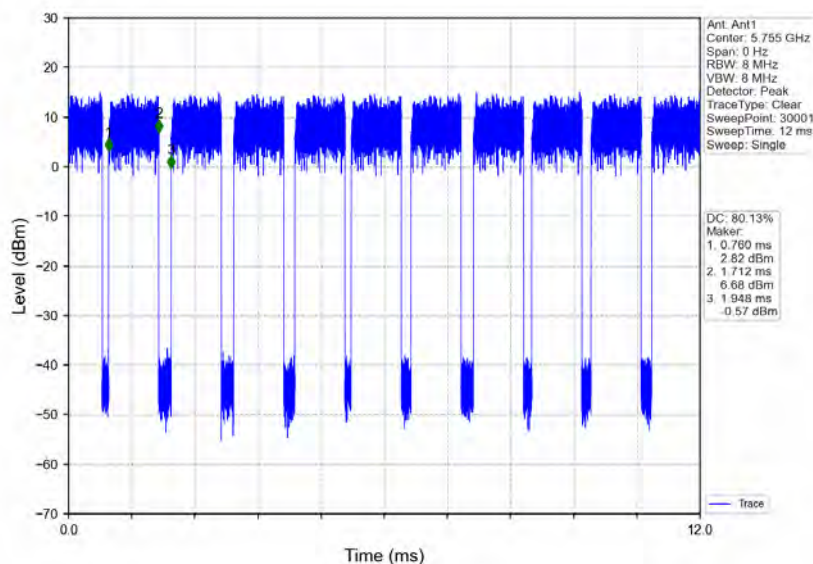
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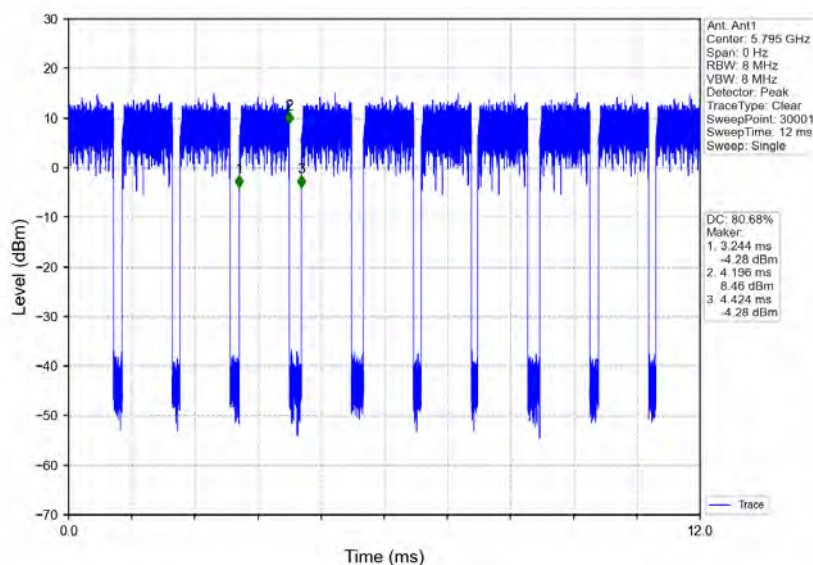
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTN



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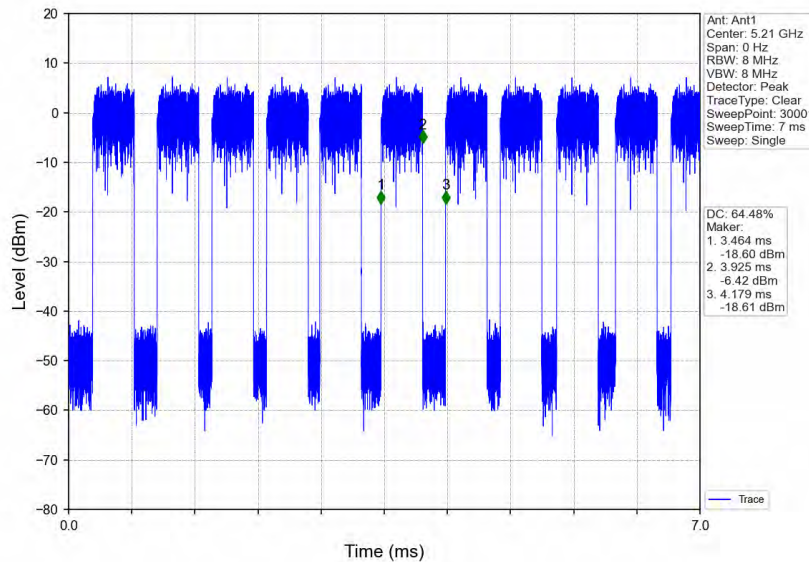
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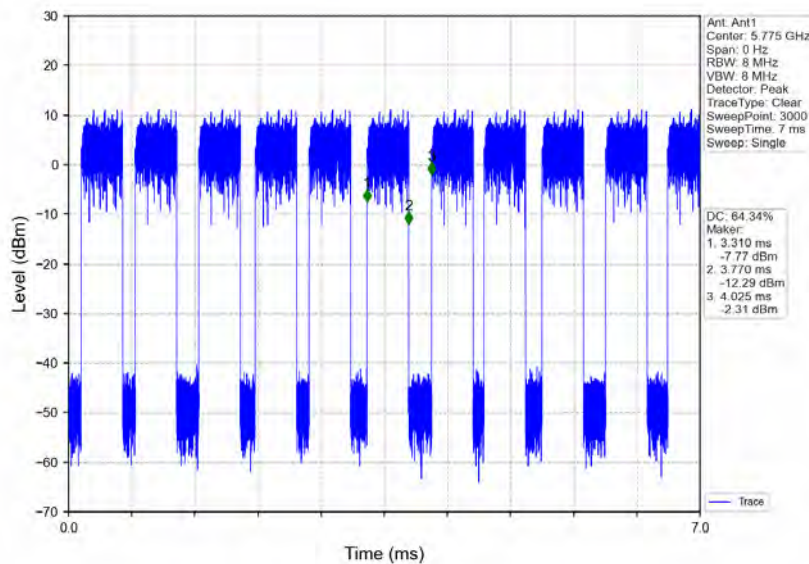
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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	16.706	Pass
			2	16.676	Pass
		5200	1	16.751	Pass
			2	16.683	Pass
		5240	1	16.671	Pass
			2	16.668	Pass
		5745	1	16.706	Pass
			2	16.688	Pass
		5785	1	16.731	Pass
			2	16.683	Pass
		5825	1	16.702	Pass
			2	16.670	Pass
802.11n (HT20)	MIMO	5180	1	17.813	Pass
			2	17.775	Pass
		5200	1	17.784	Pass
			2	17.787	Pass
		5240	1	17.774	Pass
			2	17.779	Pass
		5745	1	17.771	Pass
			2	17.790	Pass
		5785	1	17.814	Pass
			2	17.785	Pass
		5825	1	17.730	Pass
			2	17.806	Pass
802.11n (HT40)	MIMO	5190	1	36.405	Pass
			2	36.517	Pass
		5230	1	36.312	Pass
			2	36.440	Pass
		5755	1	36.540	Pass
			2	36.505	Pass
		5795	1	36.534	Pass
			2	36.601	Pass
802.11ac (VHT20)	MIMO	5180	1	17.761	Pass
			2	17.763	Pass
		5200	1	17.760	Pass
			2	17.812	Pass
		5240	1	17.736	Pass
			2	17.765	Pass
		5745	1	17.790	Pass
			2	17.760	Pass



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		5785	1	17.766	Pass
			2	17.751	Pass
		5825	1	17.770	Pass
			2	17.765	Pass
802.11ac (VHT40)	MIMO	5190	1	36.547	Pass
			2	36.485	Pass
		5230	1	36.501	Pass
			2	36.581	Pass
		5755	1	36.437	Pass
			2	36.584	Pass
		5795	1	36.481	Pass
			2	36.466	Pass
802.11ac (VHT80)	MIMO	5210	1	75.416	Pass
			2	74.581	Pass
		5775	1	75.167	Pass
			2	74.762	Pass



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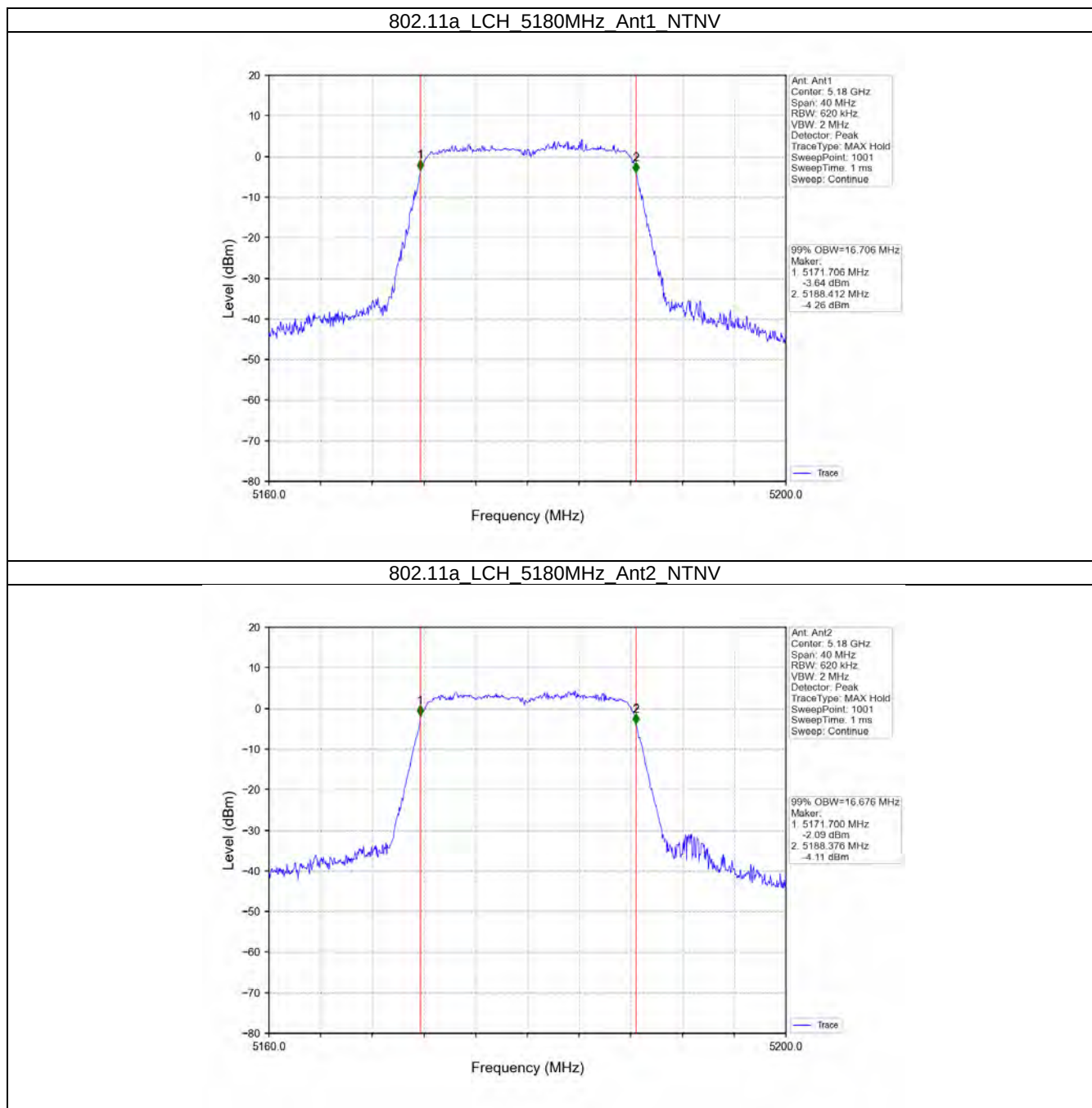
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2.1.2 Test Graph



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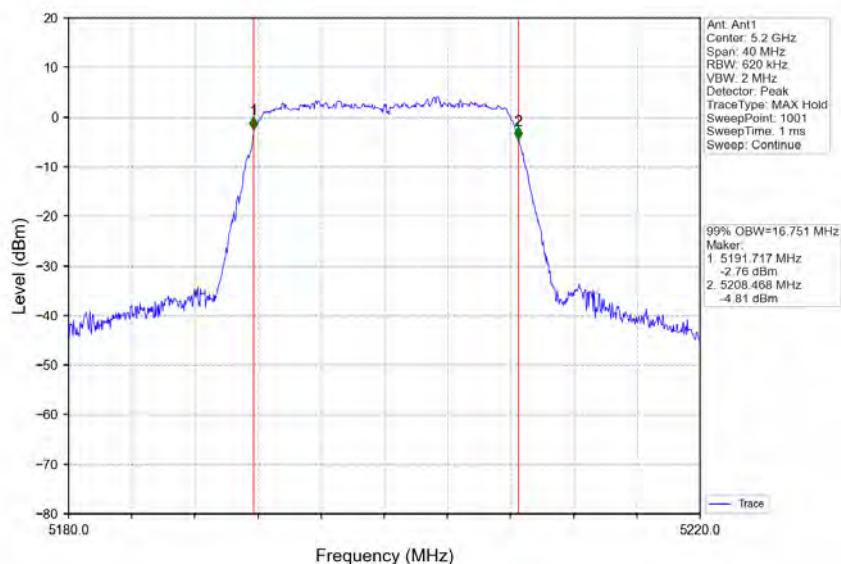
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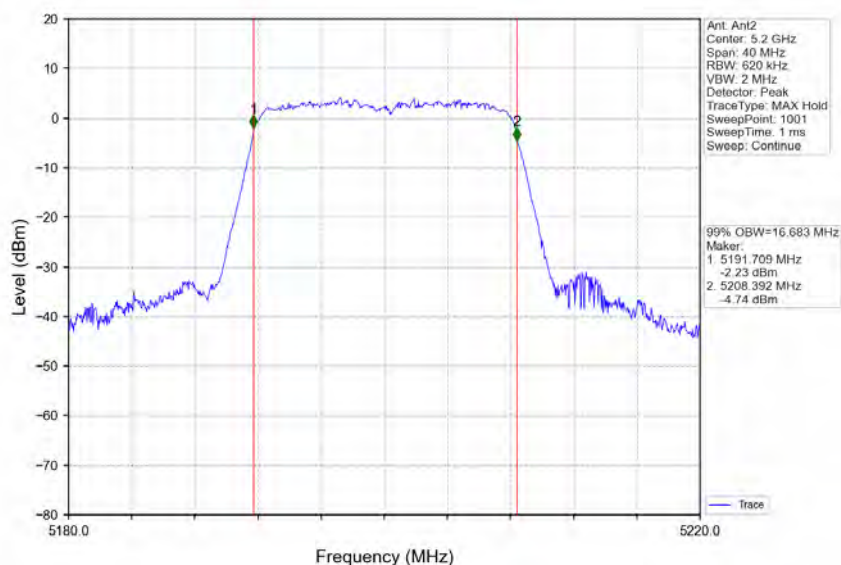
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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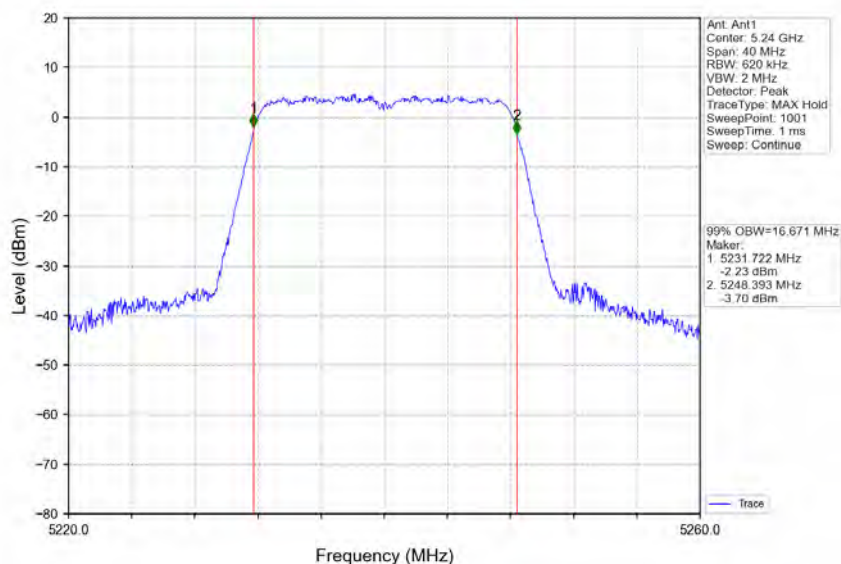
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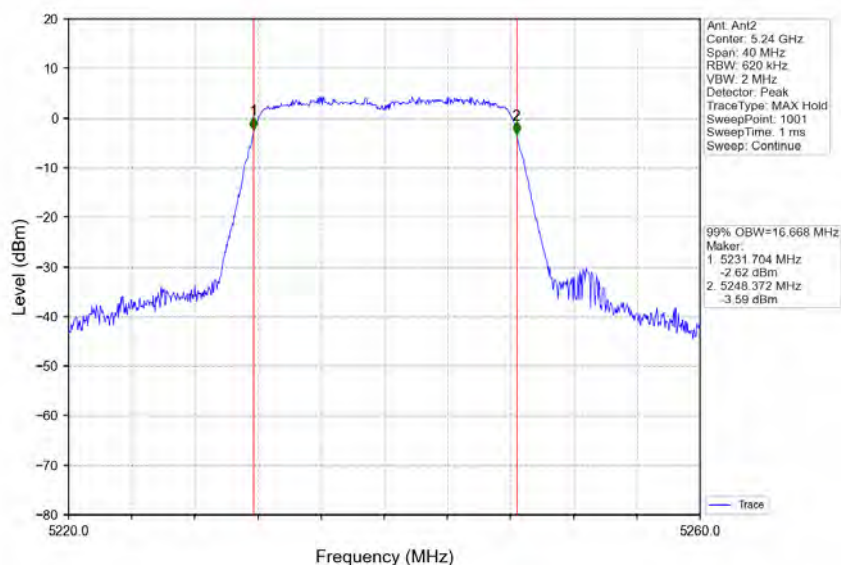
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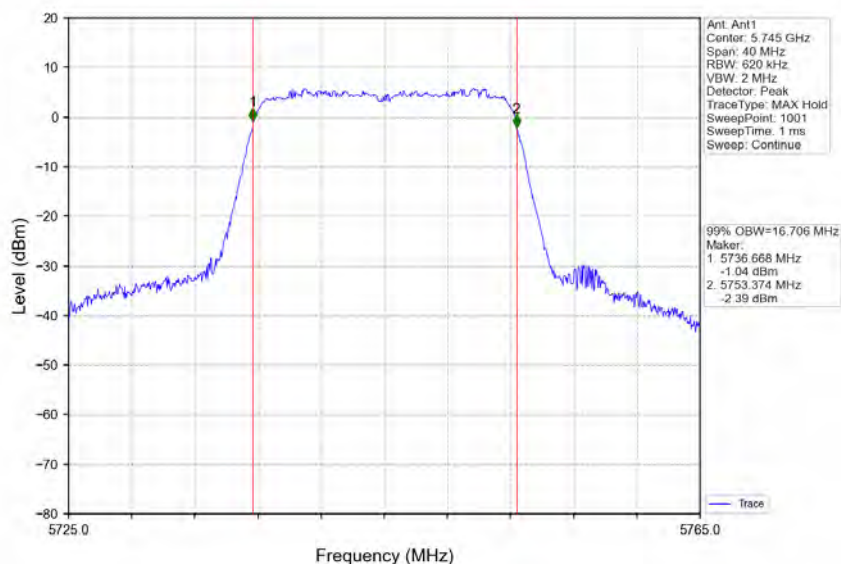
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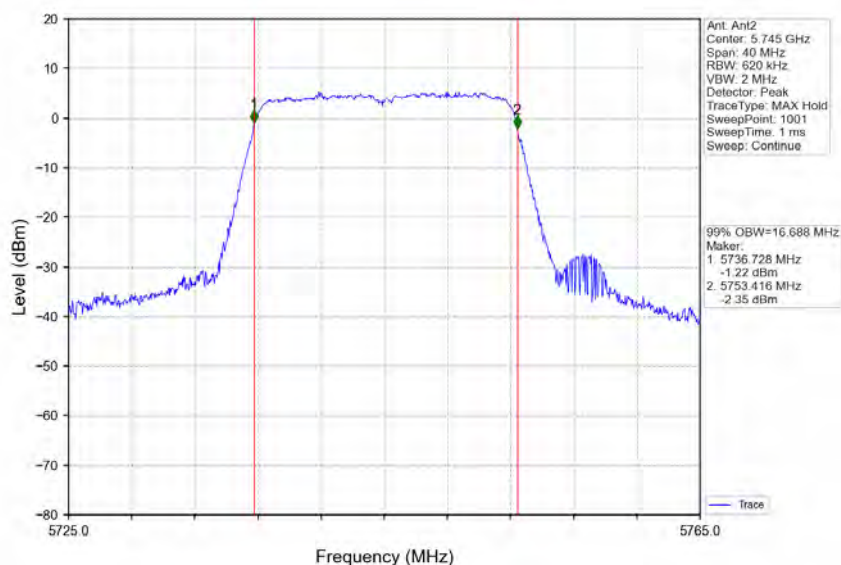
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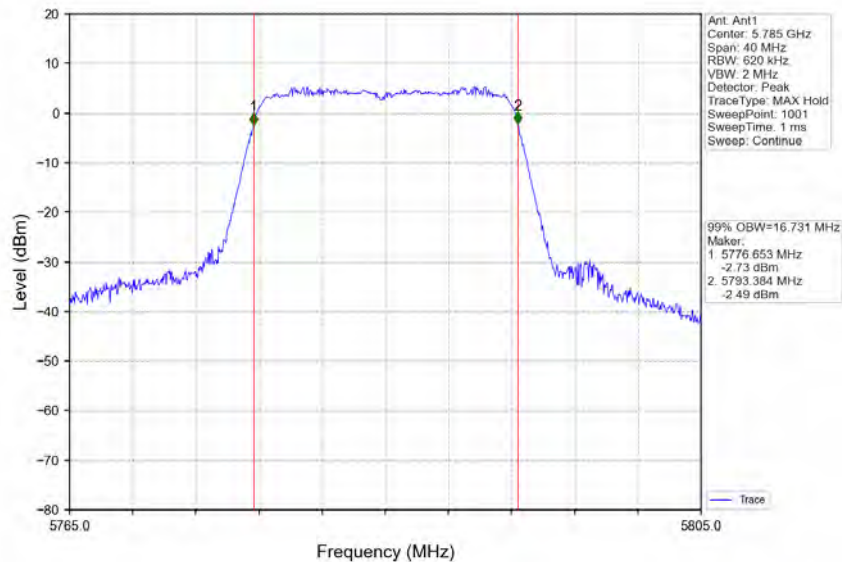
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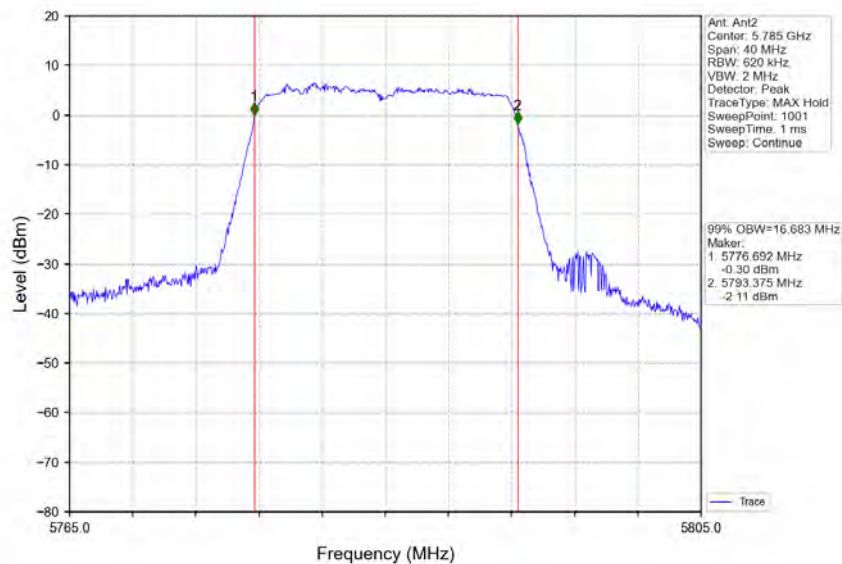
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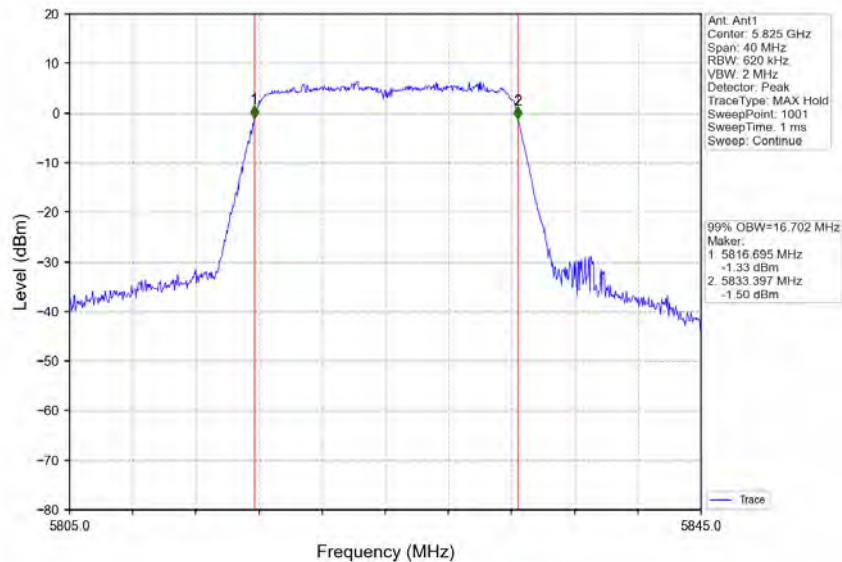
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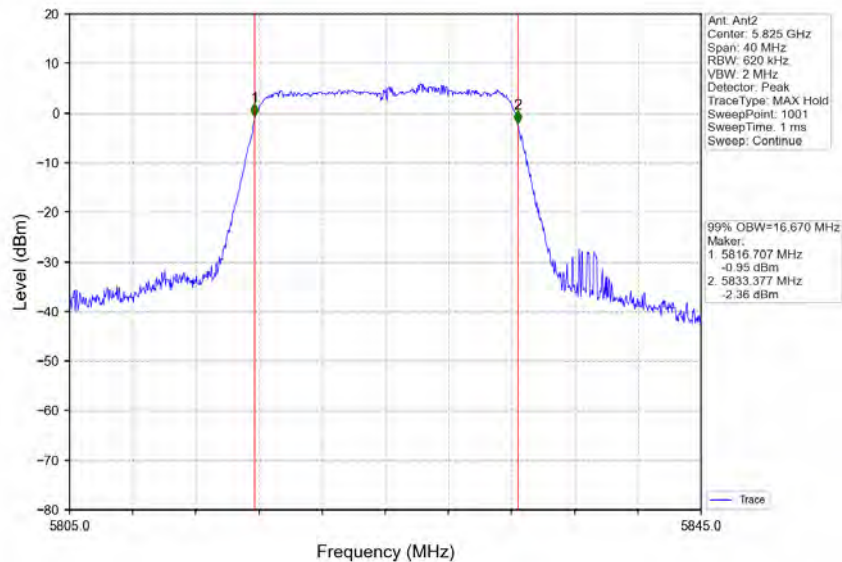
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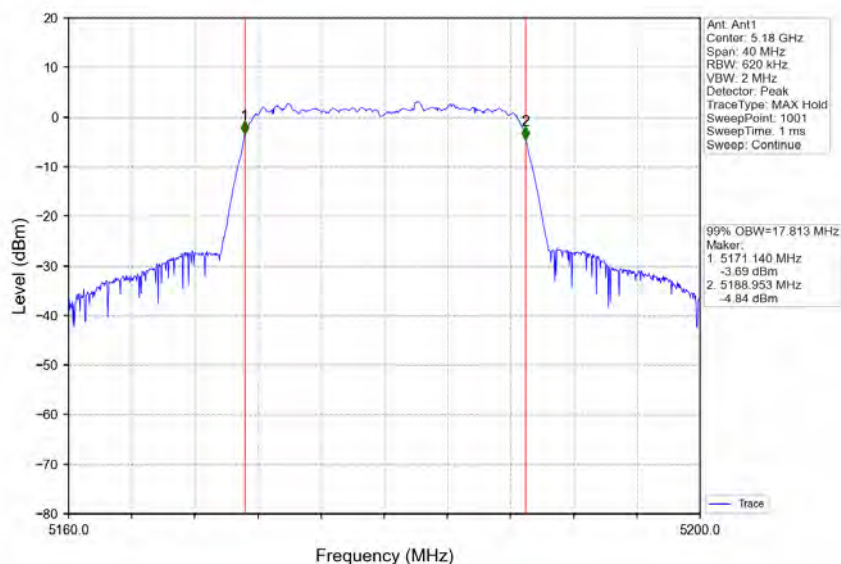
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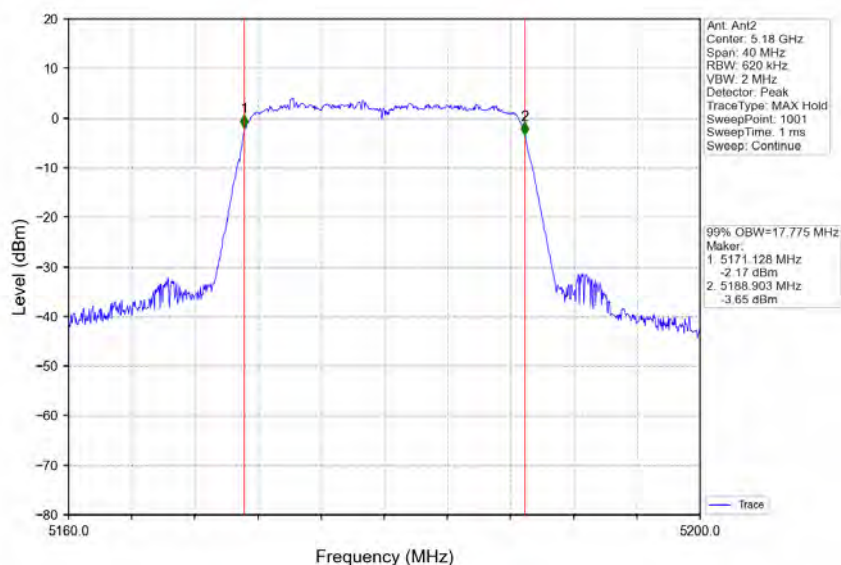
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



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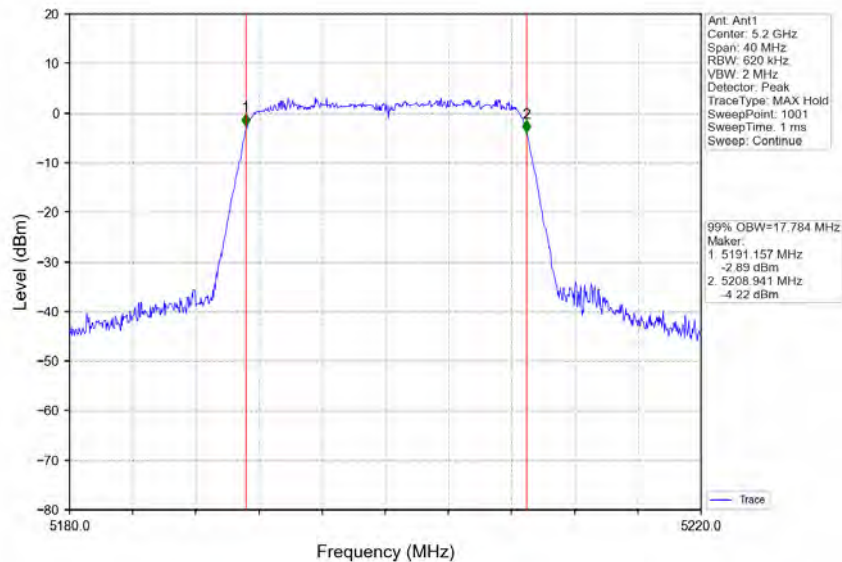
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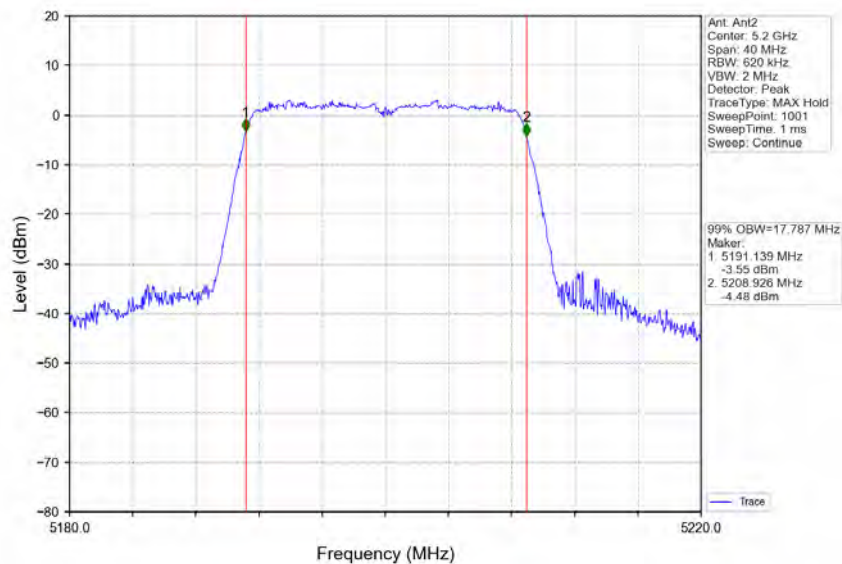
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



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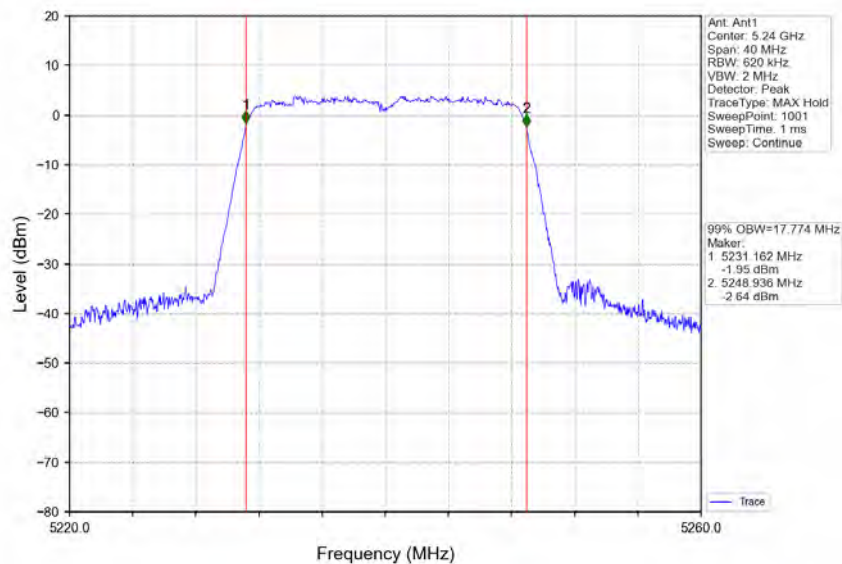
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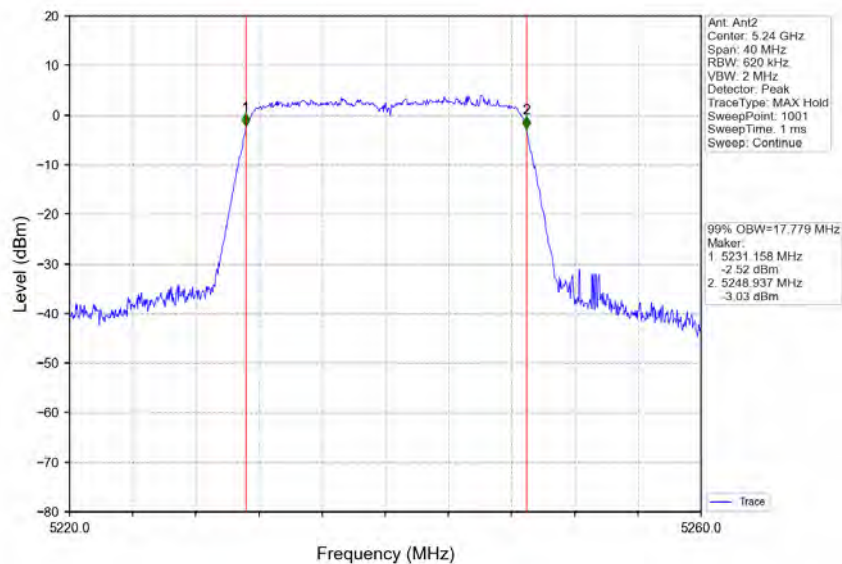
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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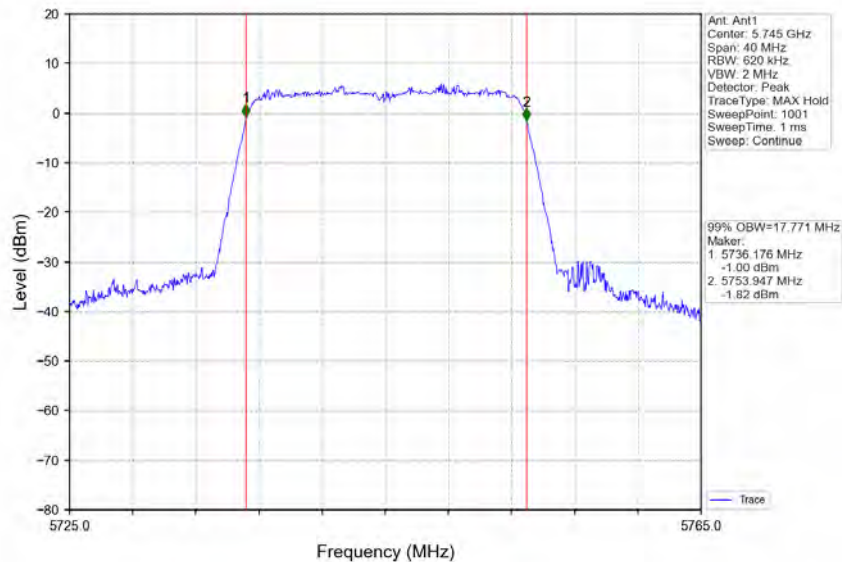
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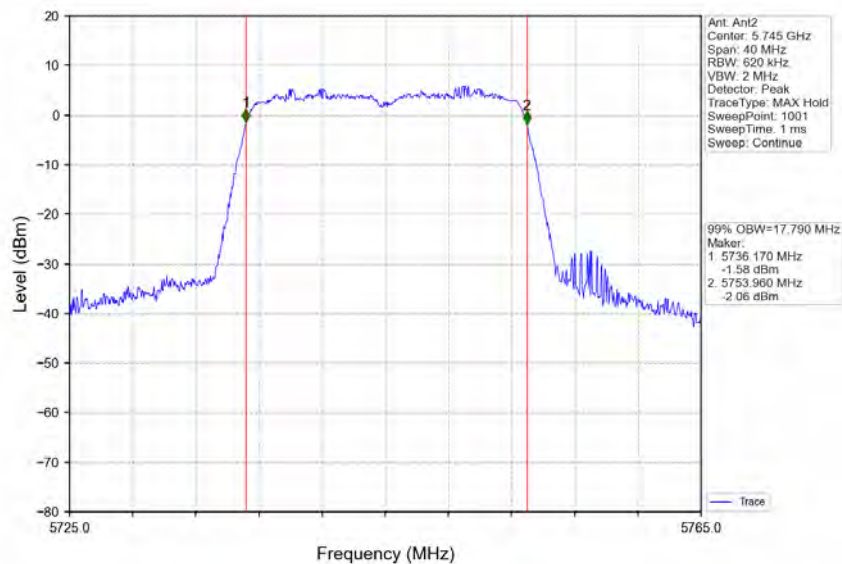
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802.11n(HT20) LCH_5745MHz_Ant1_NTNV



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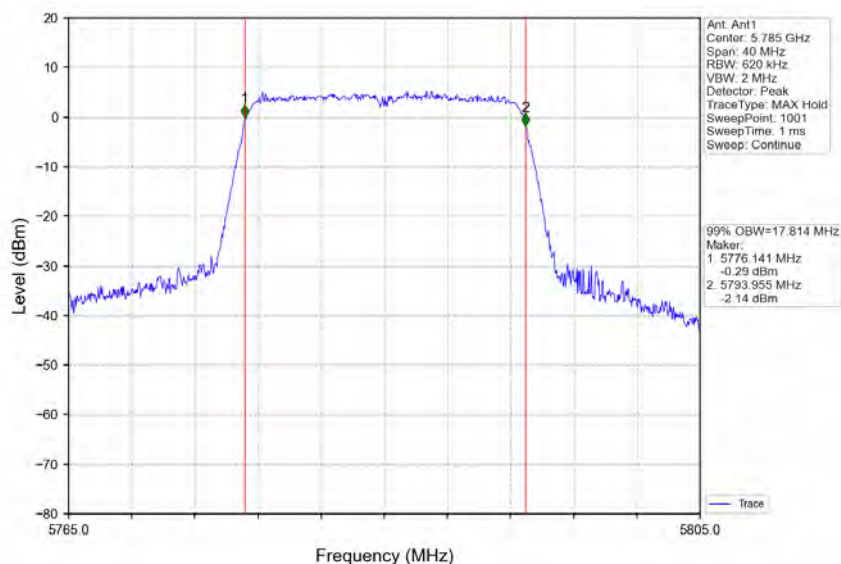
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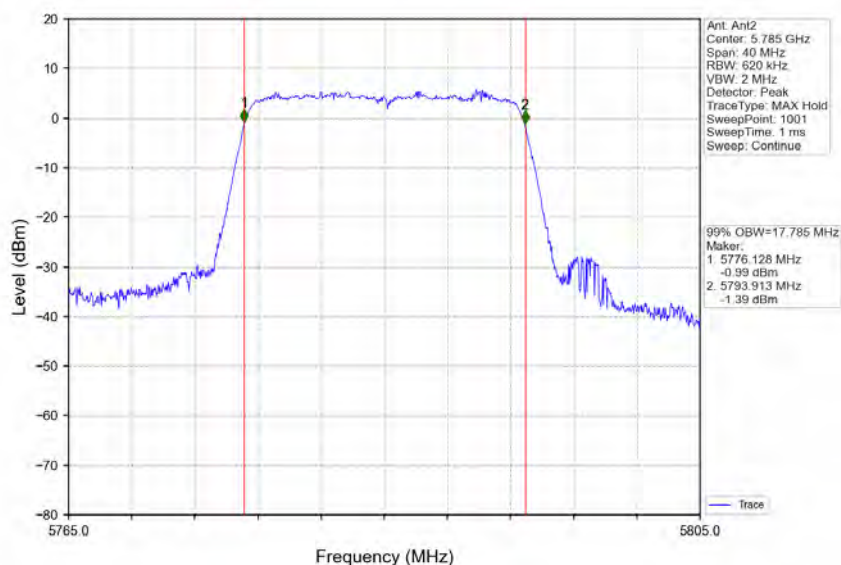
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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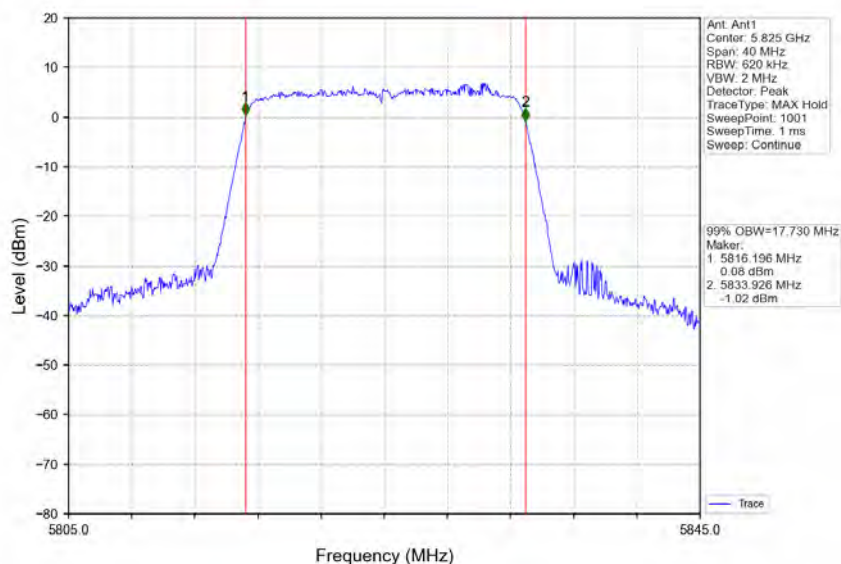
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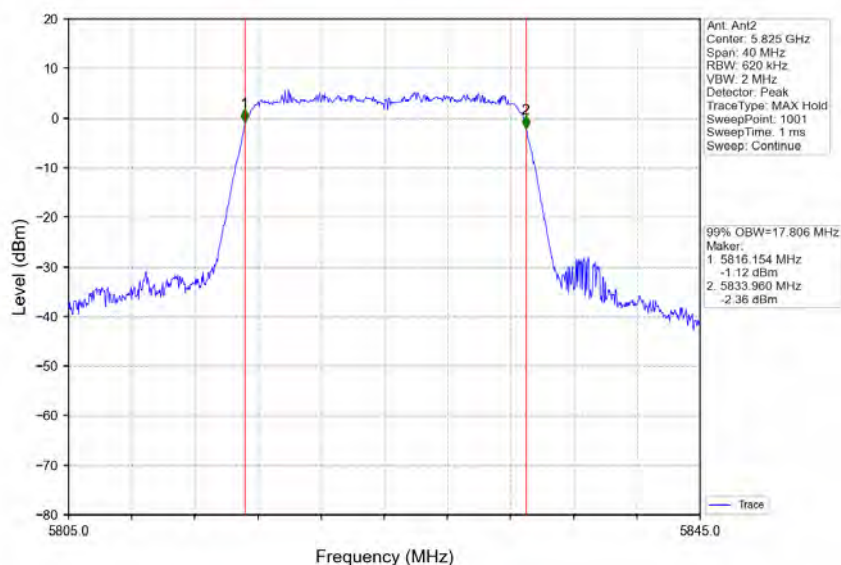
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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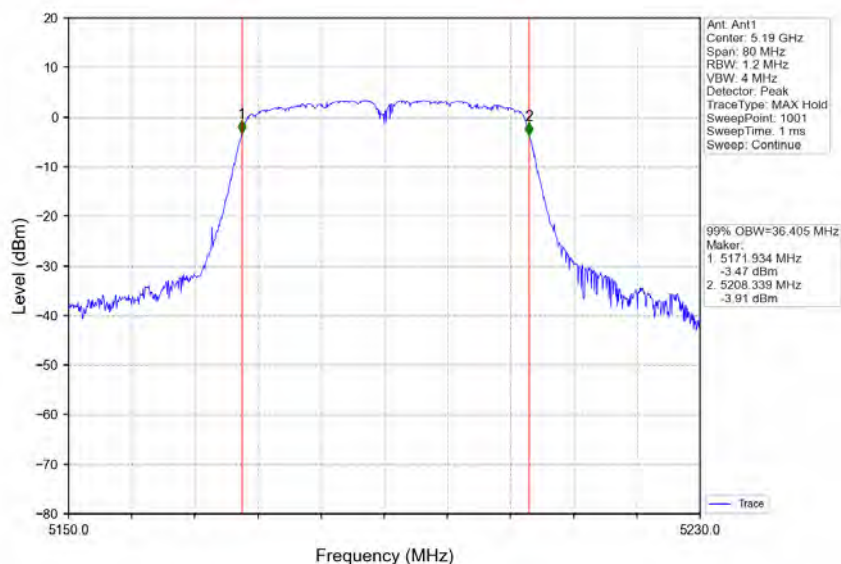
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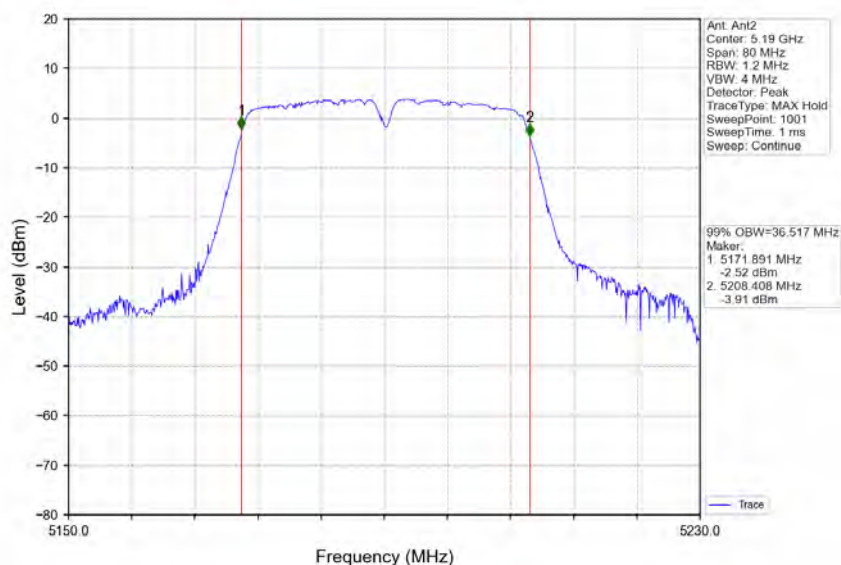
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) LCH 5190MHz Ant2 NTN



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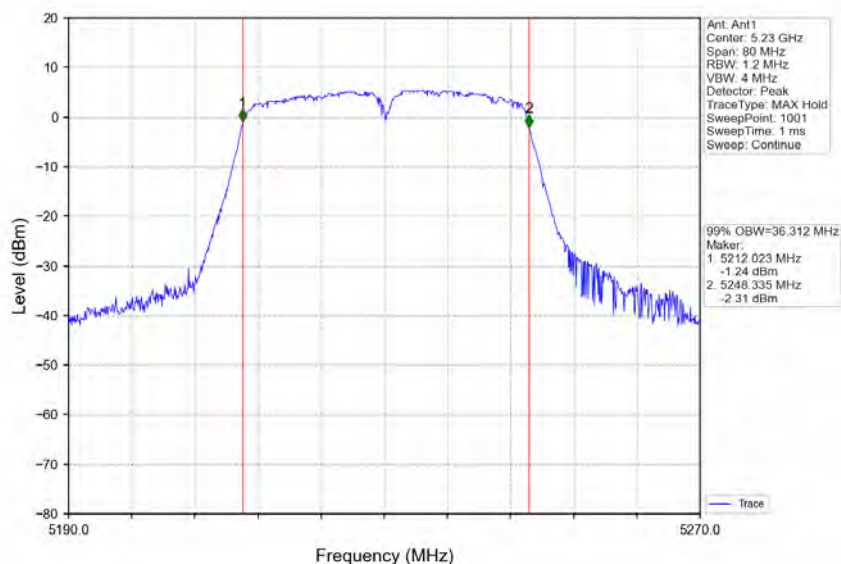
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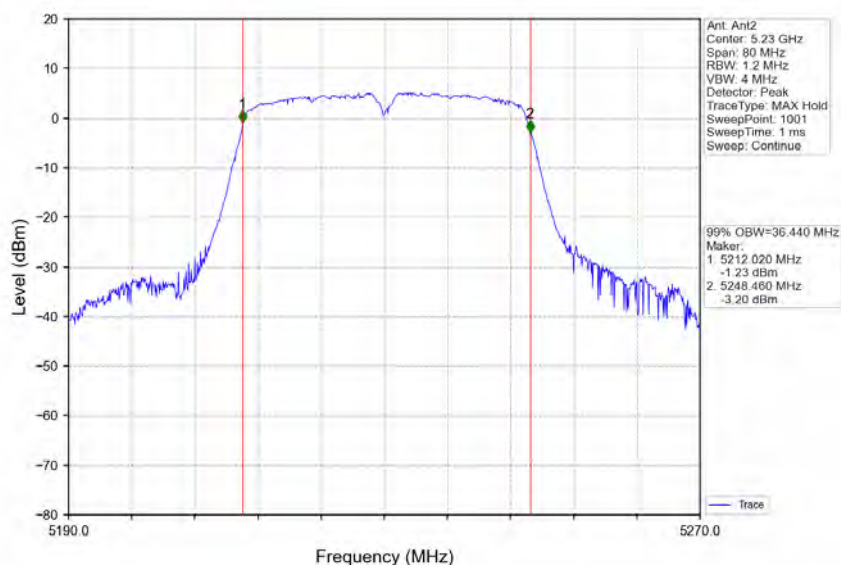
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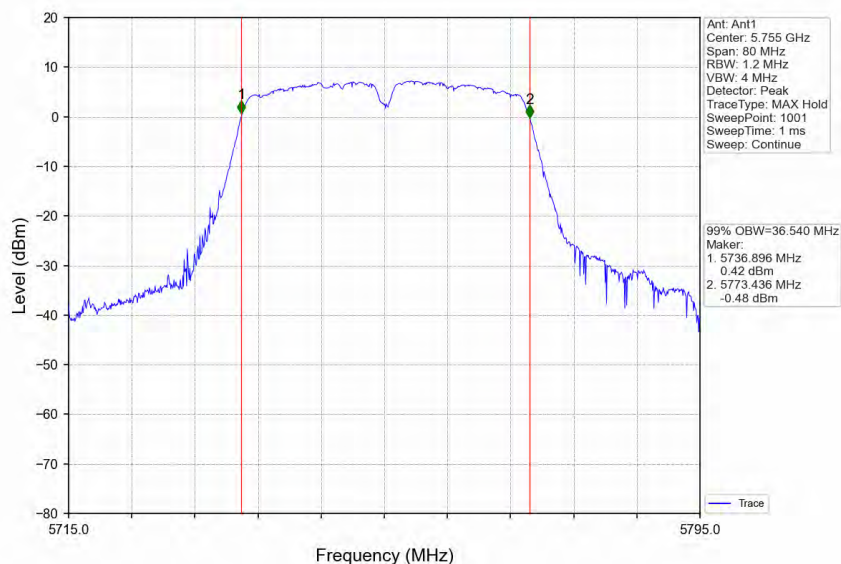
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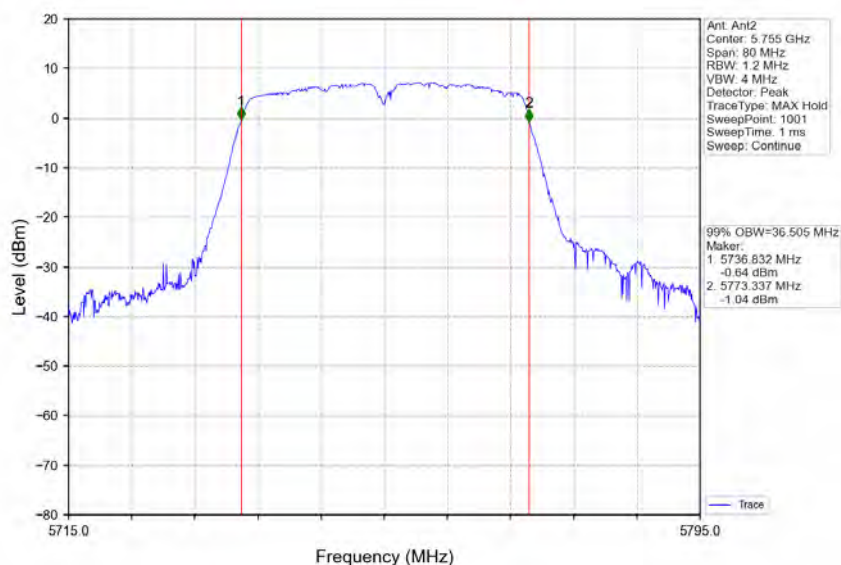
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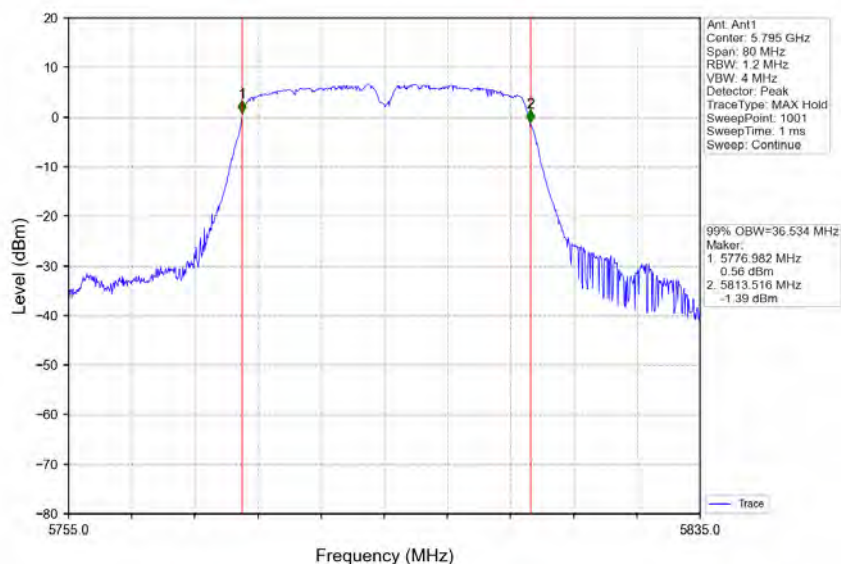
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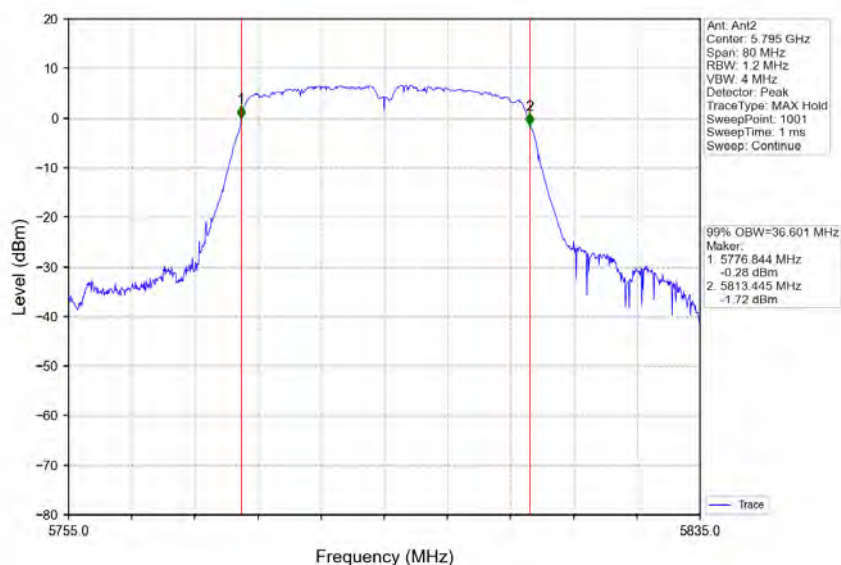
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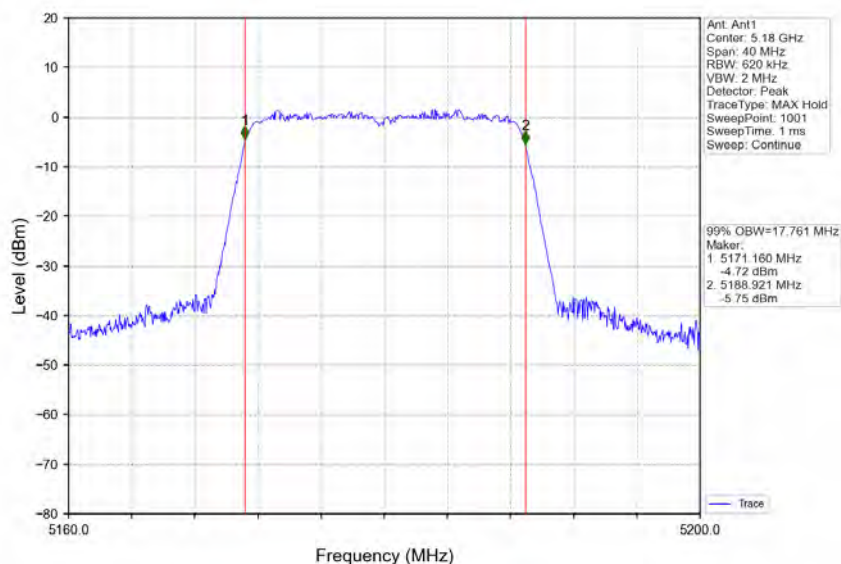
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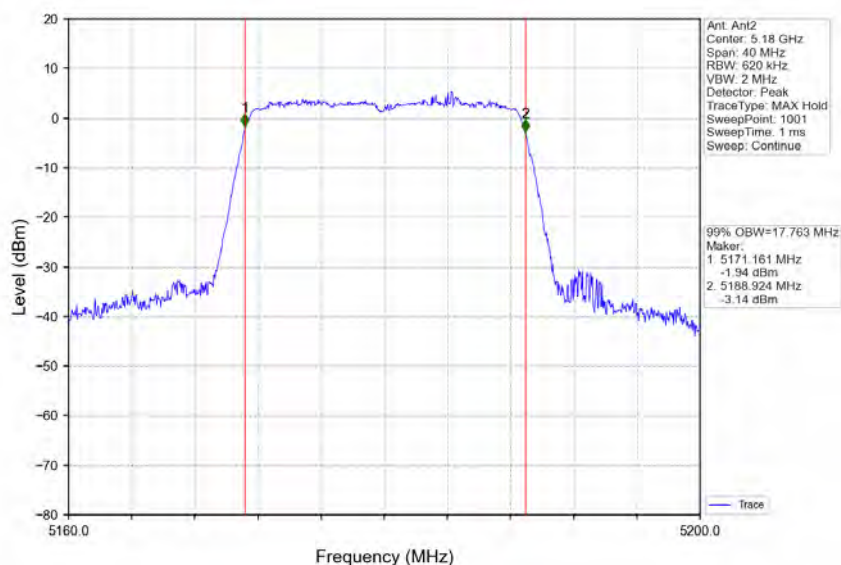
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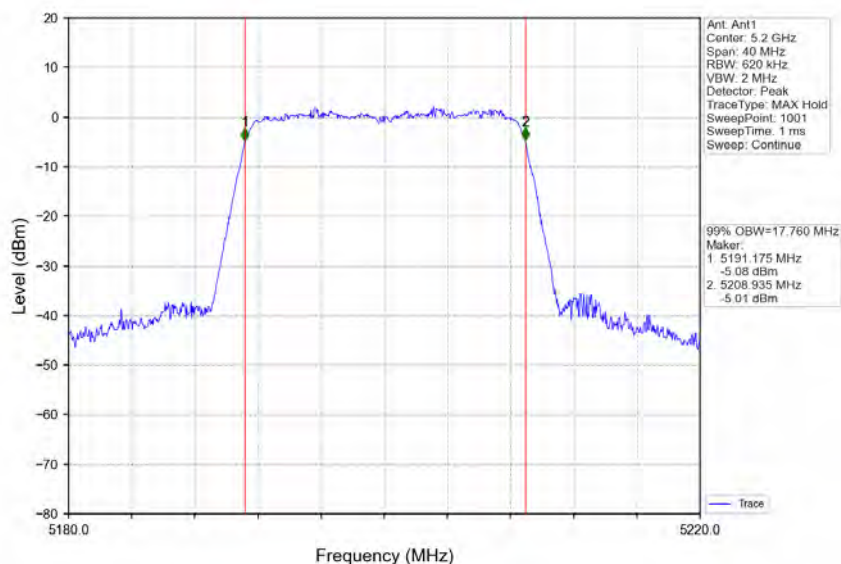
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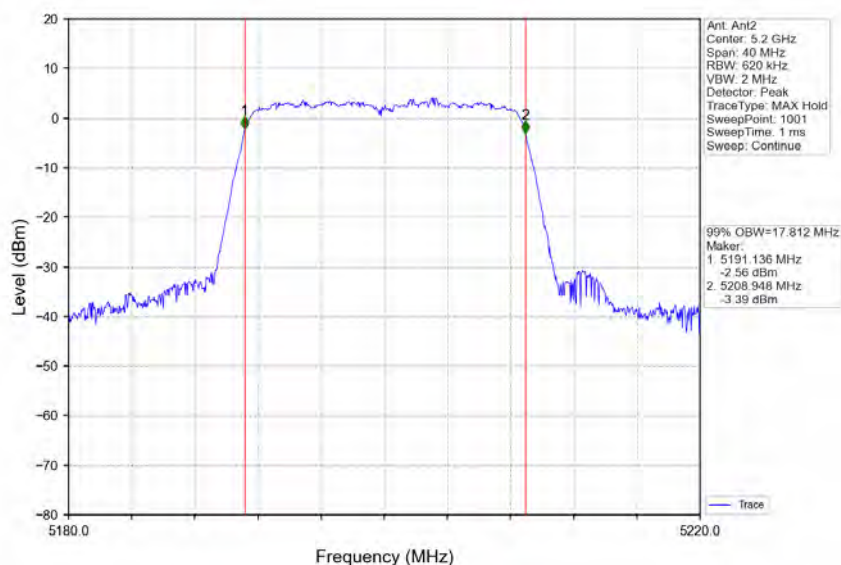
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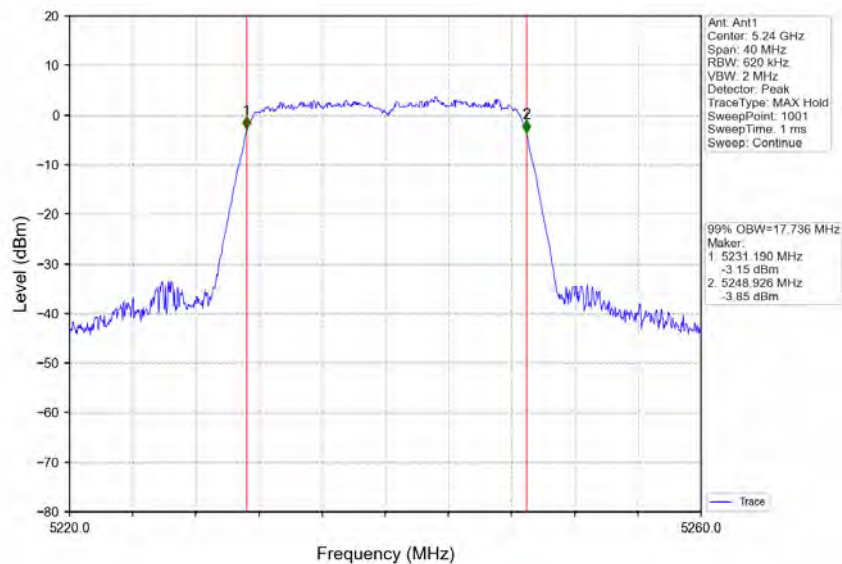
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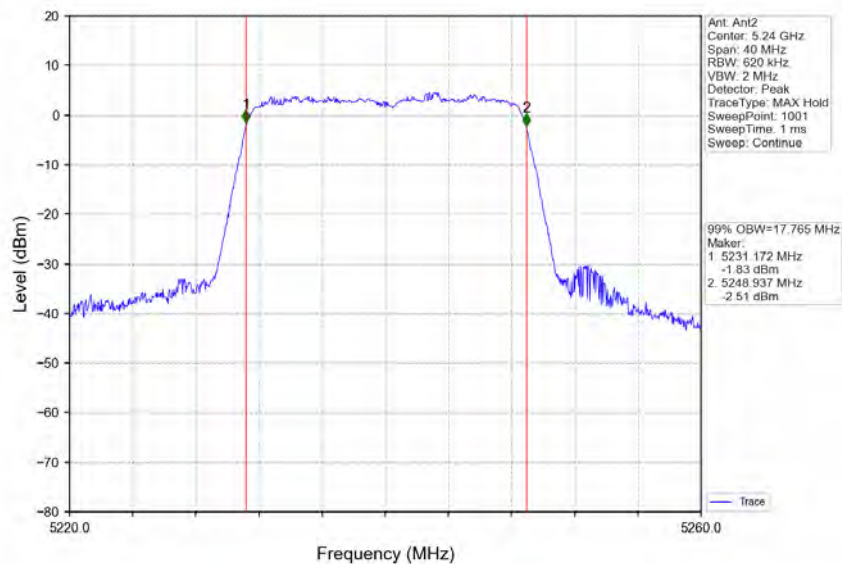
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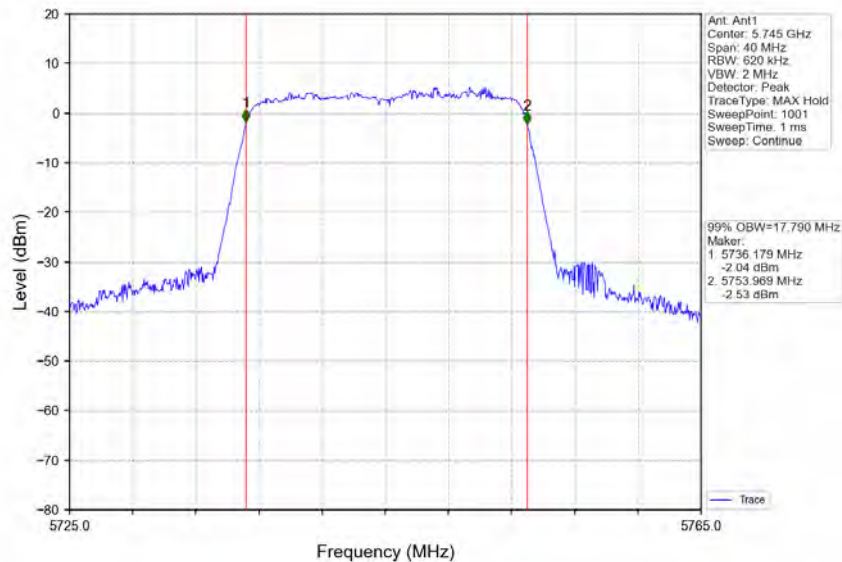
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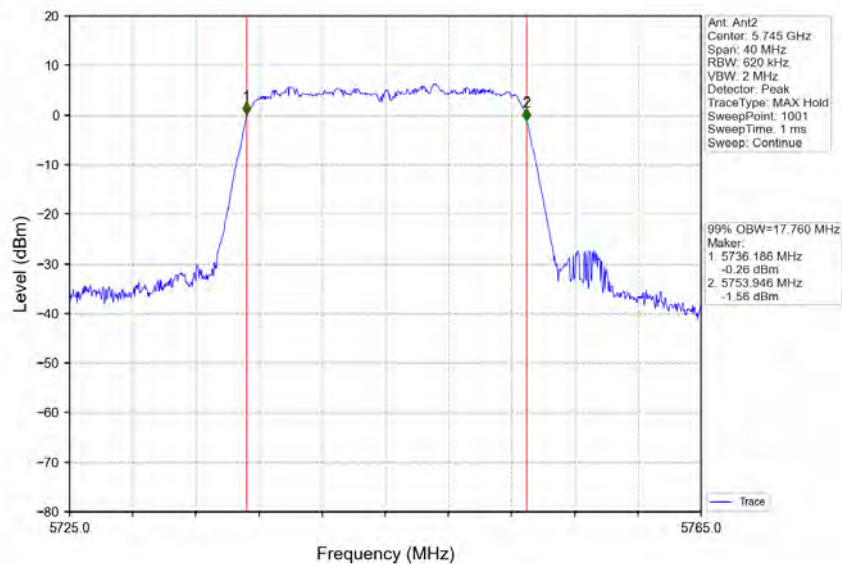
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802.11ac(VHT20) LCH 5745MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant2 NTN



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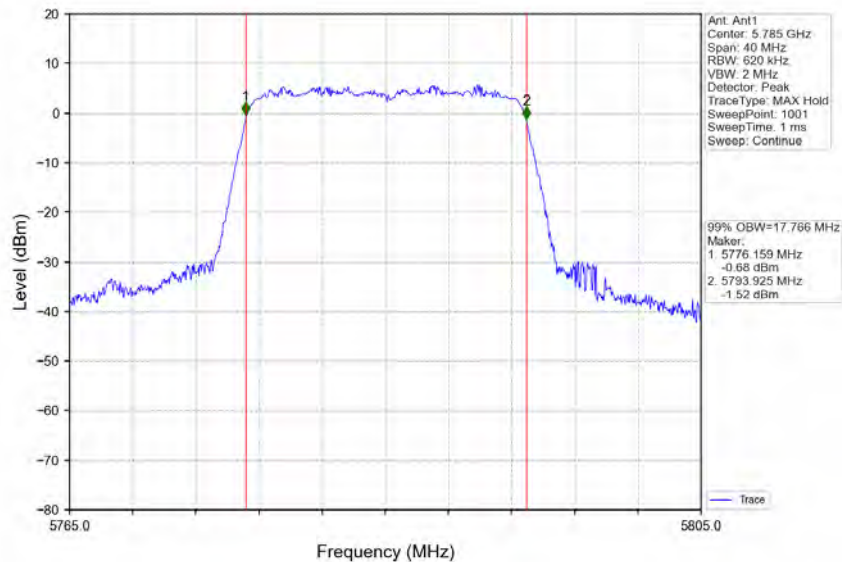
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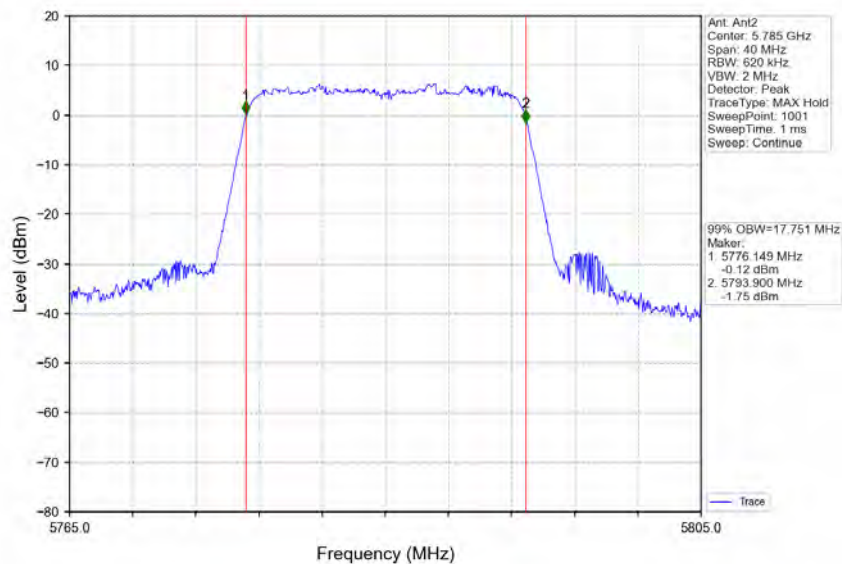
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



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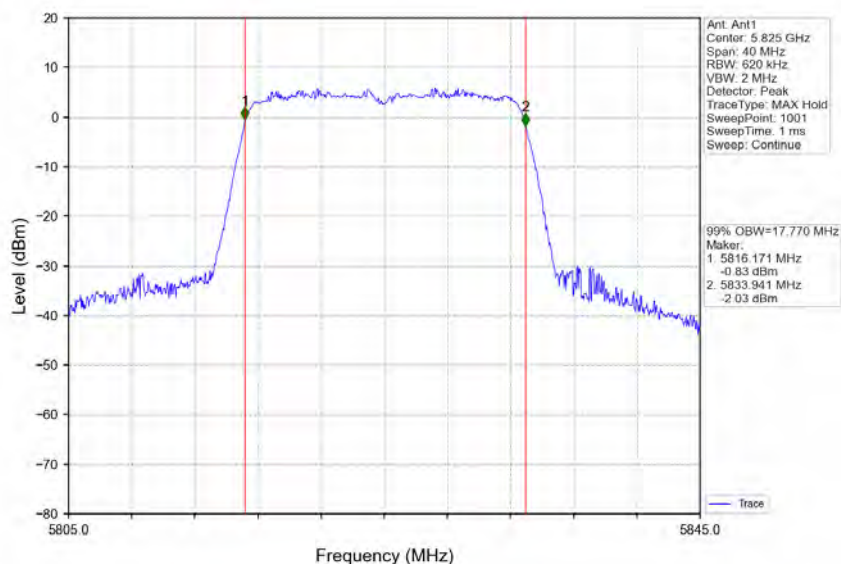
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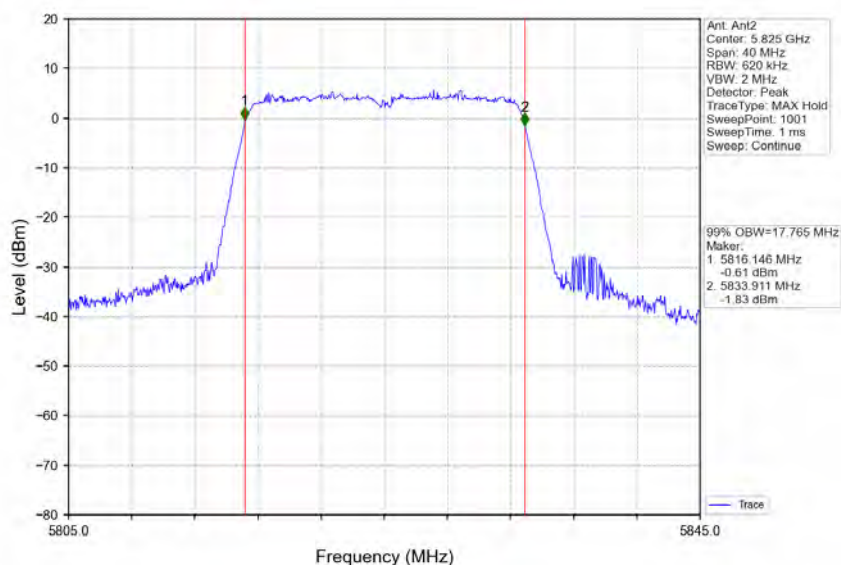
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



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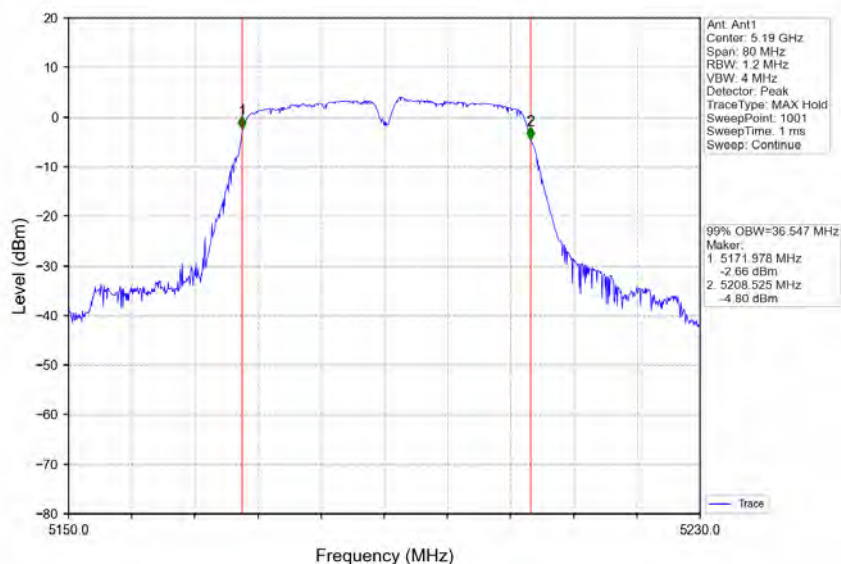
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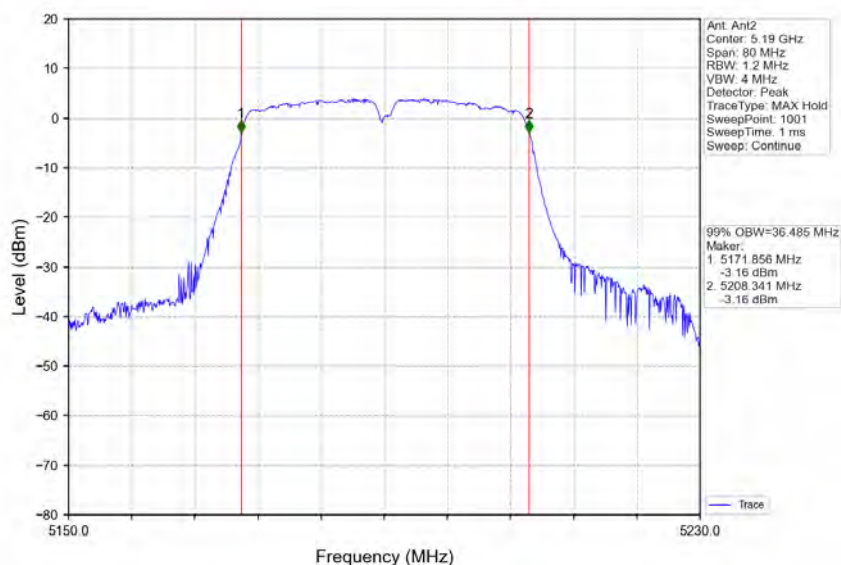
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant2 NTN



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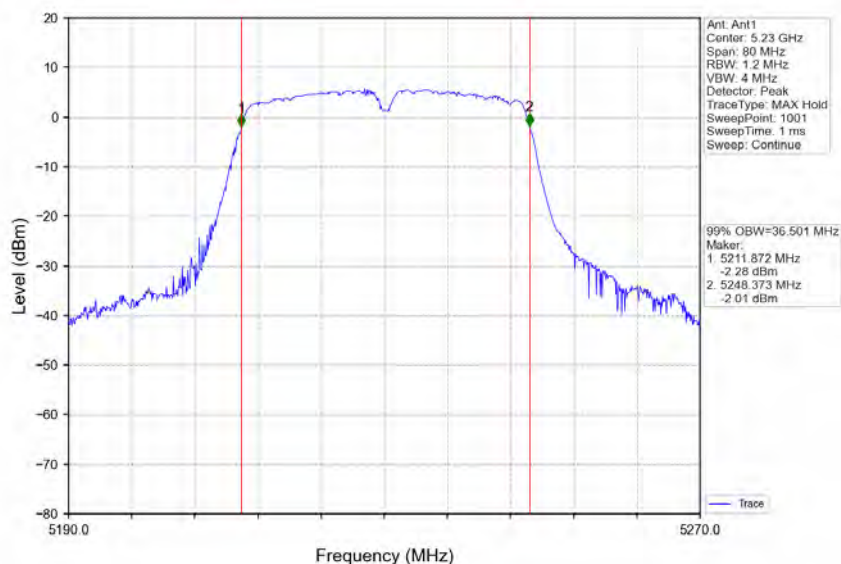
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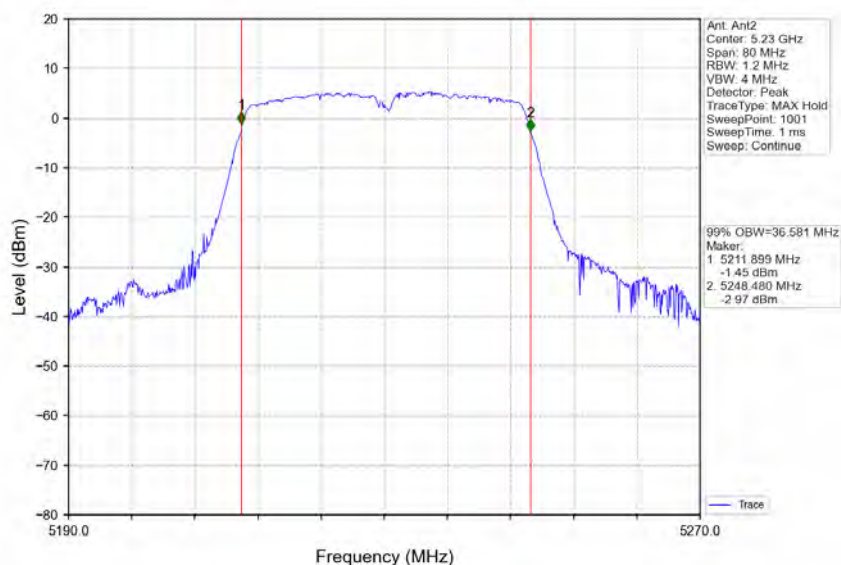
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



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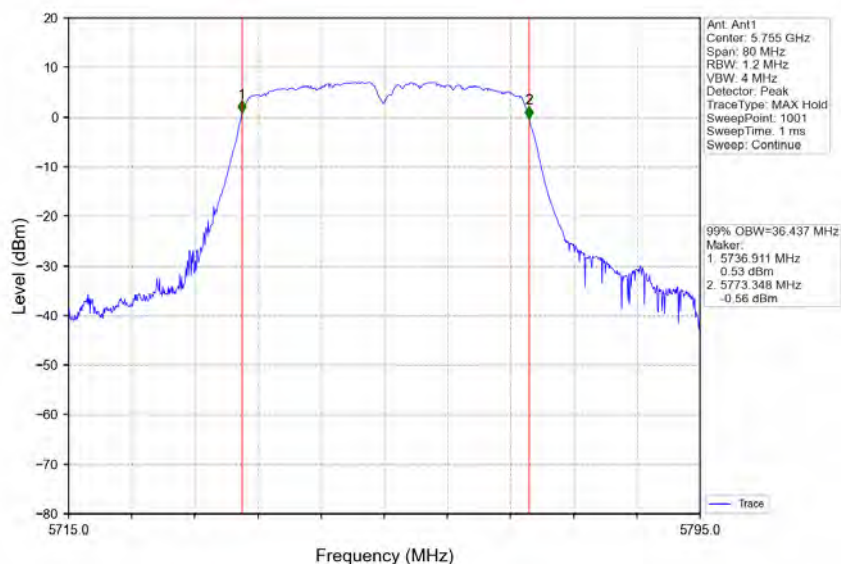
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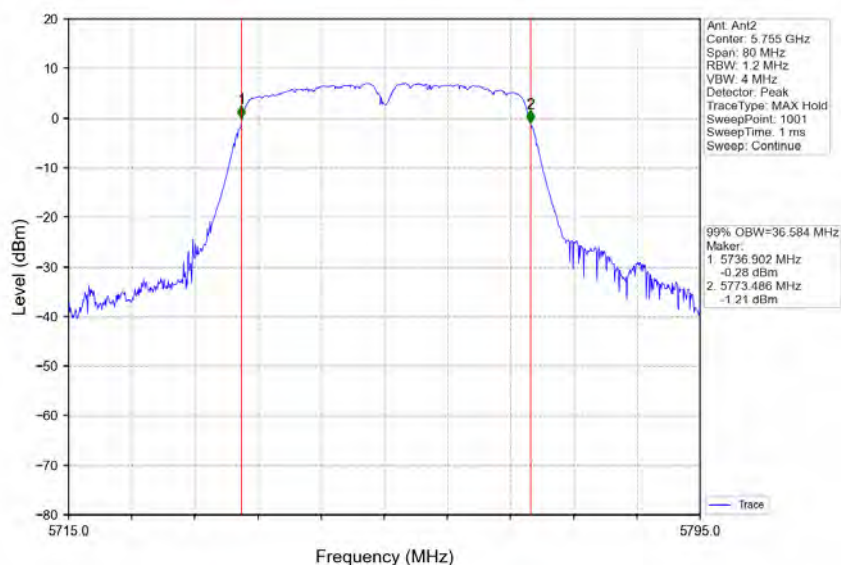
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant2 NTN



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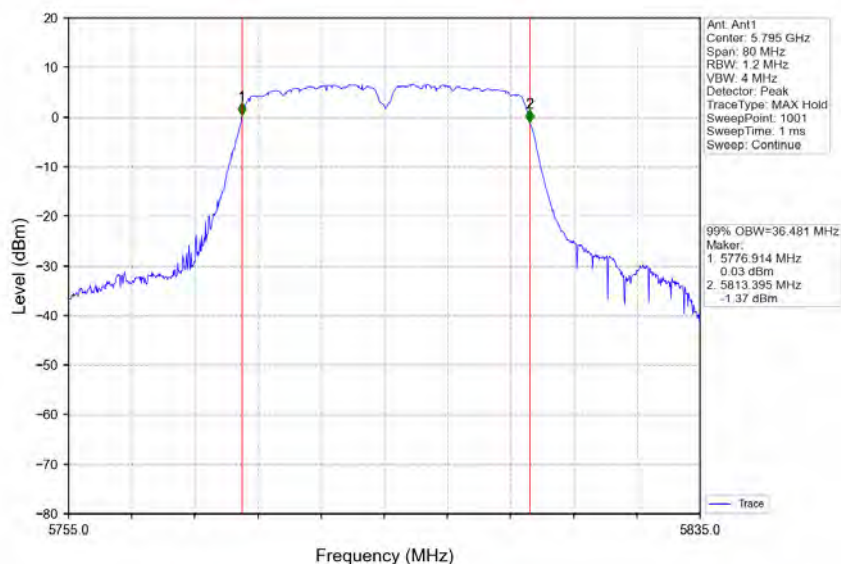
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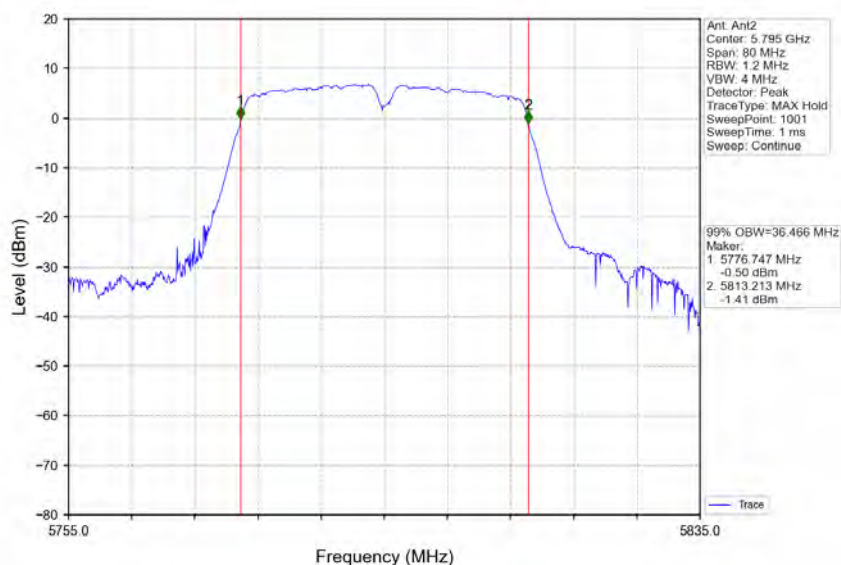
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



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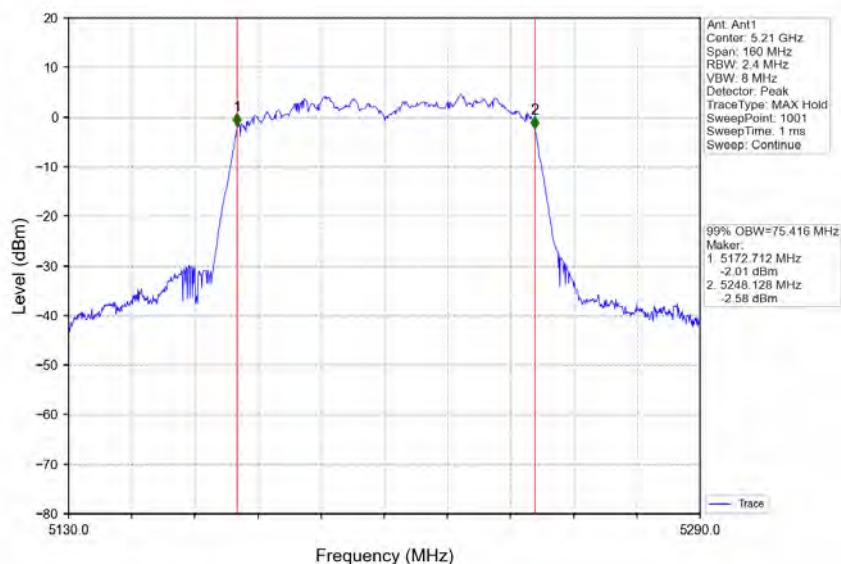
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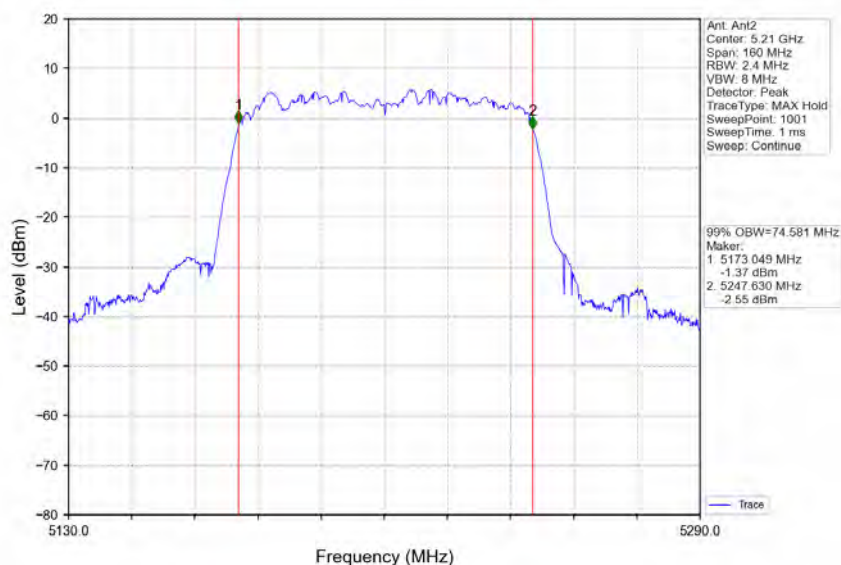
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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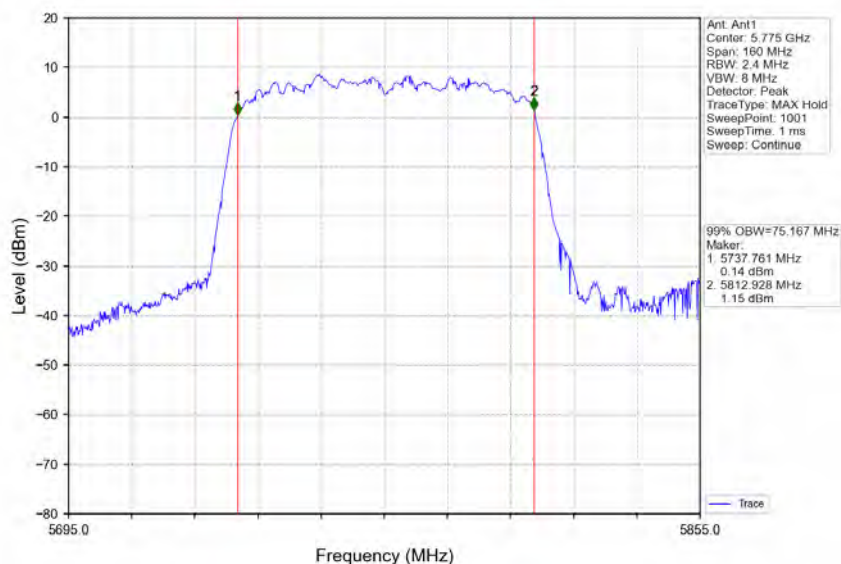
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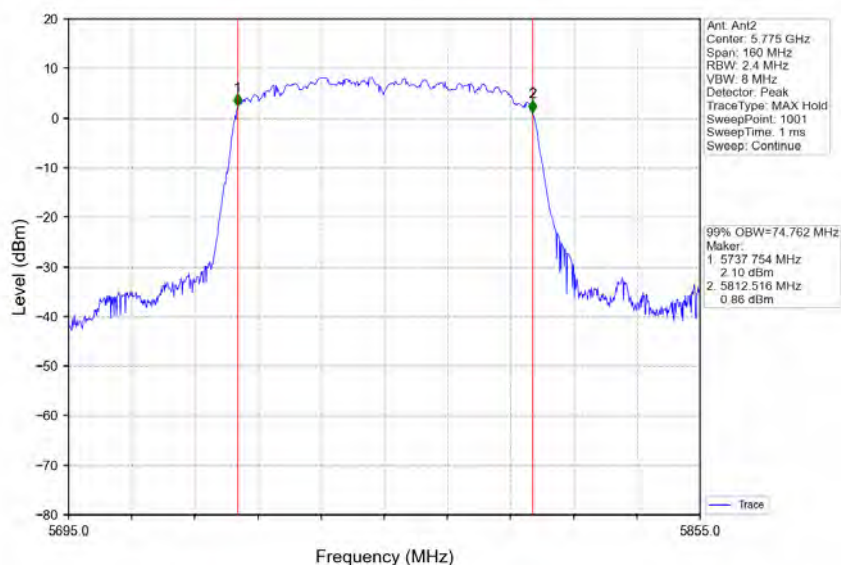
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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	16.328	≥ 0.5	Pass
			2	16.343	≥ 0.5	Pass
		5785	1	16.367	≥ 0.5	Pass
			2	16.337	≥ 0.5	Pass
		5825	1	16.352	≥ 0.5	Pass
			2	16.354	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	17.332	≥ 0.5	Pass
			2	17.337	≥ 0.5	Pass
		5785	1	17.586	≥ 0.5	Pass
			2	17.585	≥ 0.5	Pass
		5825	1	17.315	≥ 0.5	Pass
			2	17.590	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.388	≥ 0.5	Pass
			2	35.184	≥ 0.5	Pass
		5795	1	35.174	≥ 0.5	Pass
			2	35.192	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	17.215	≥ 0.5	Pass
			2	17.570	≥ 0.5	Pass
		5785	1	17.598	≥ 0.5	Pass
			2	17.560	≥ 0.5	Pass
		5825	1	17.580	≥ 0.5	Pass
			2	17.526	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.173	≥ 0.5	Pass
			2	35.192	≥ 0.5	Pass
		5795	1	35.346	≥ 0.5	Pass
			2	35.180	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	73.883	≥ 0.5	Pass
			2	75.062	≥ 0.5	Pass



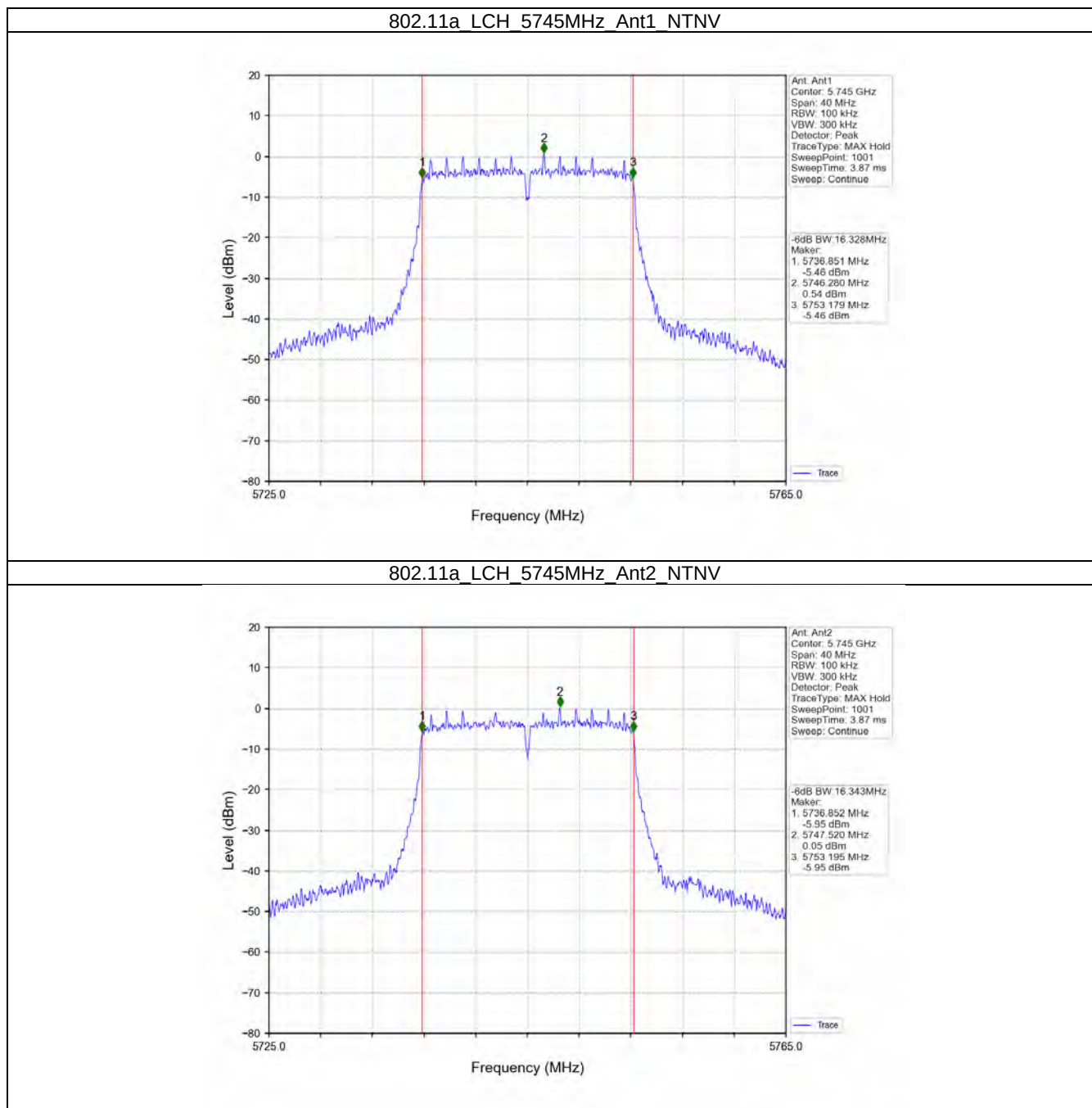
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2.2.2 Test Graph



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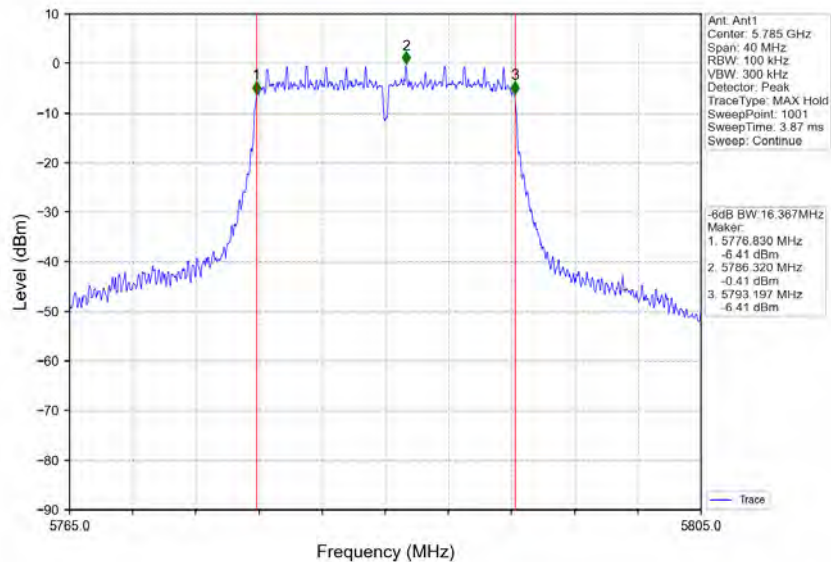
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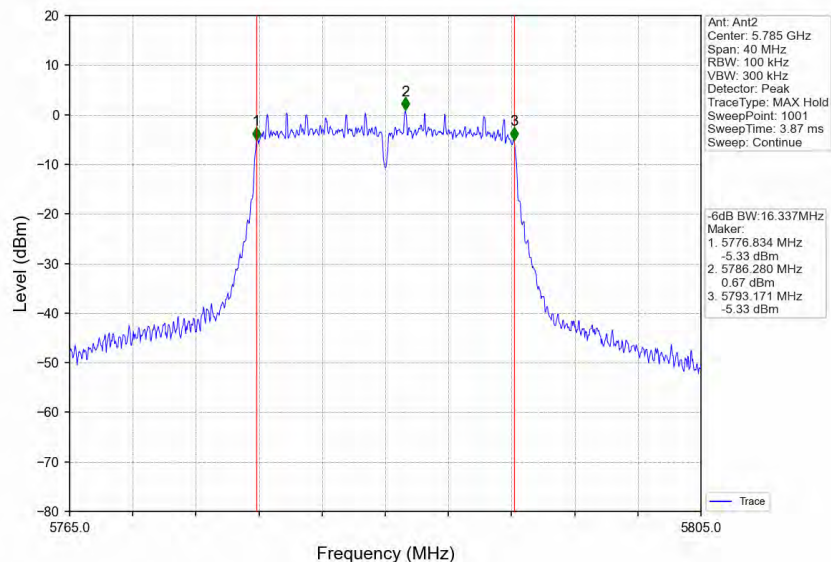
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



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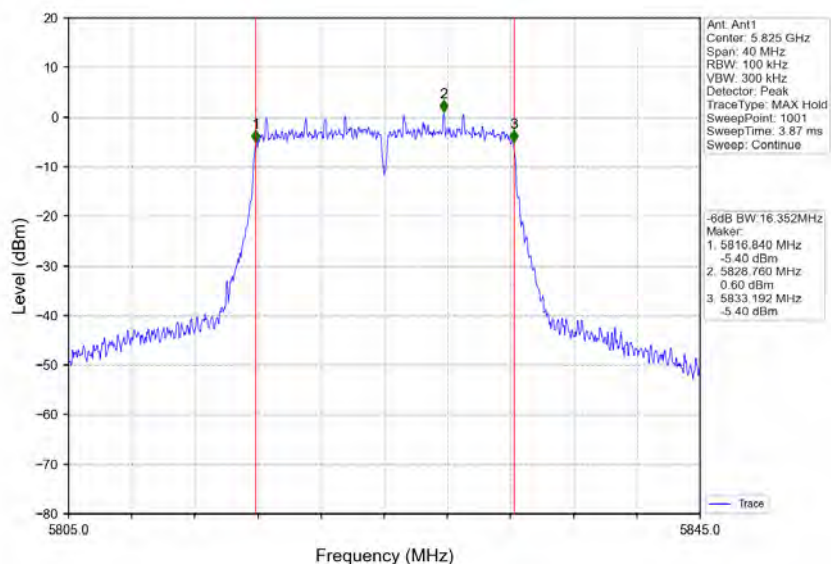
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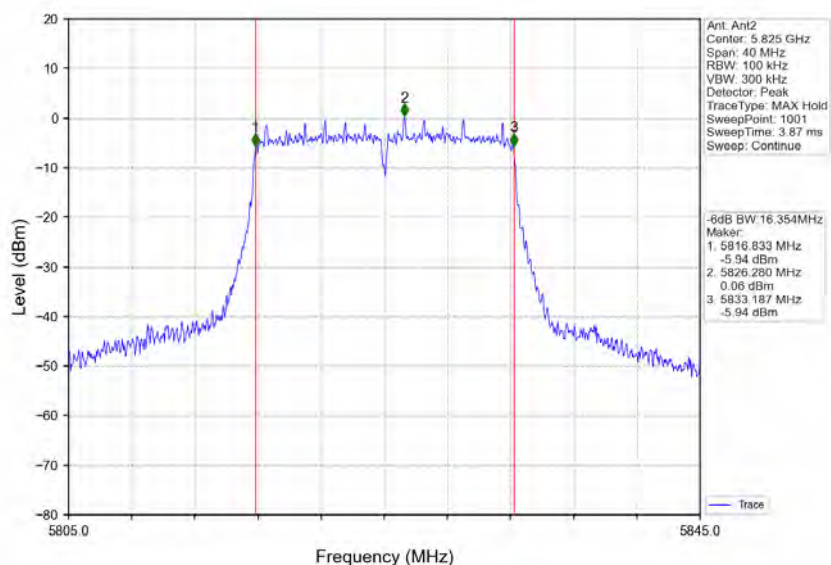
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



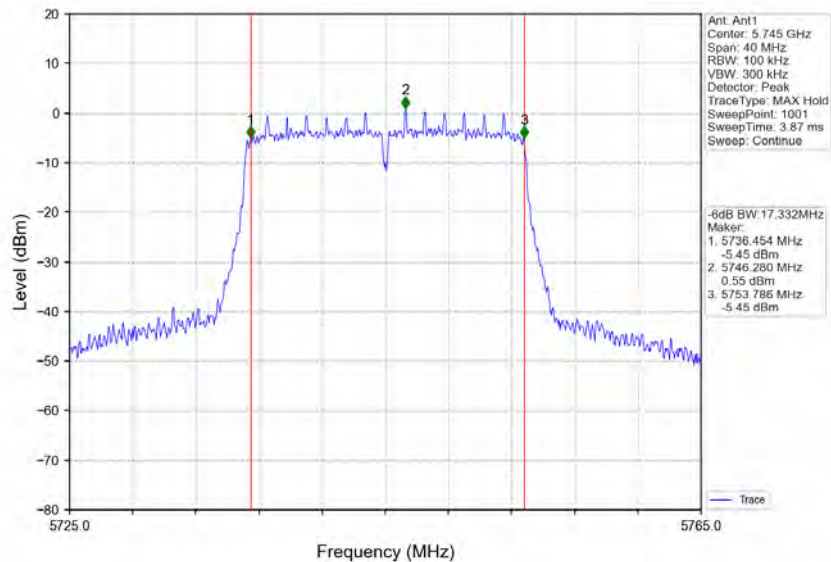
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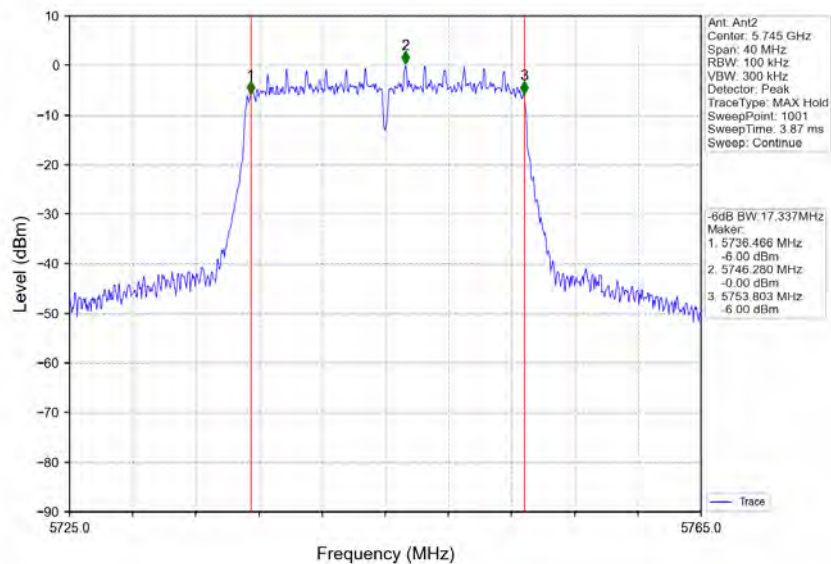
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802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant2 NTN



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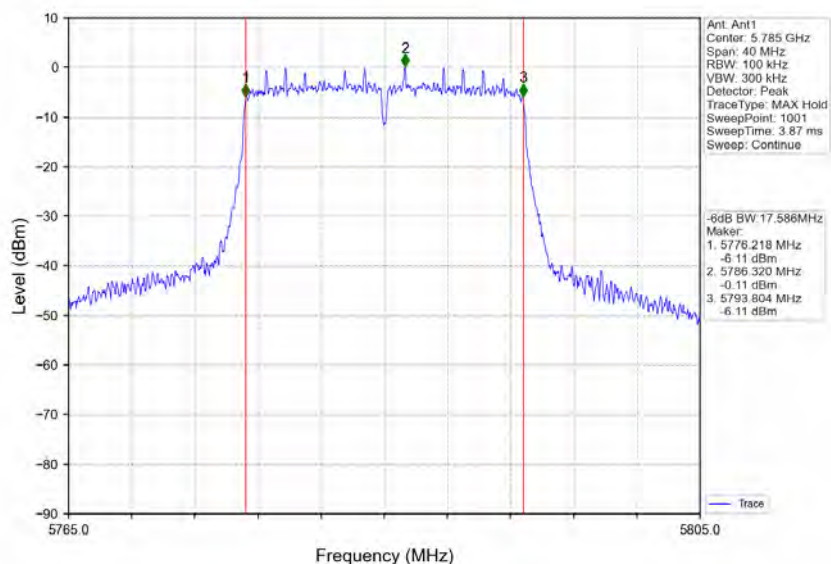
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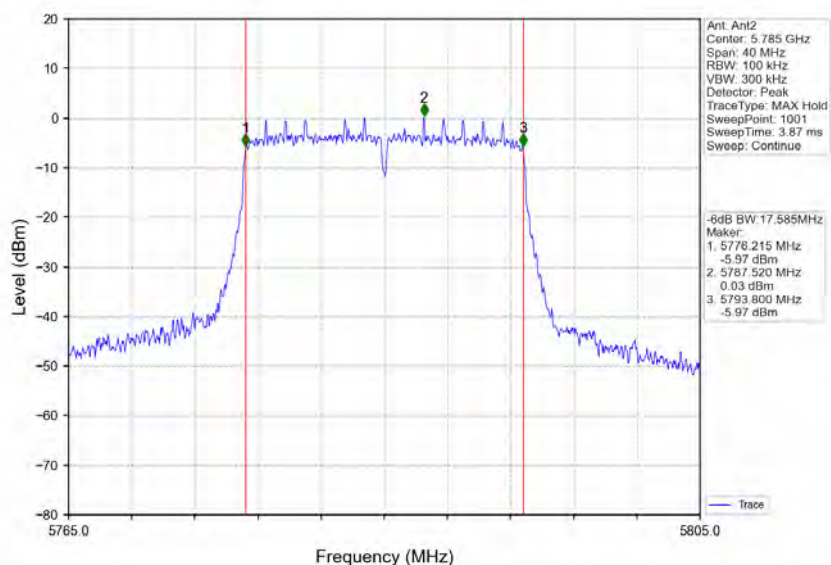
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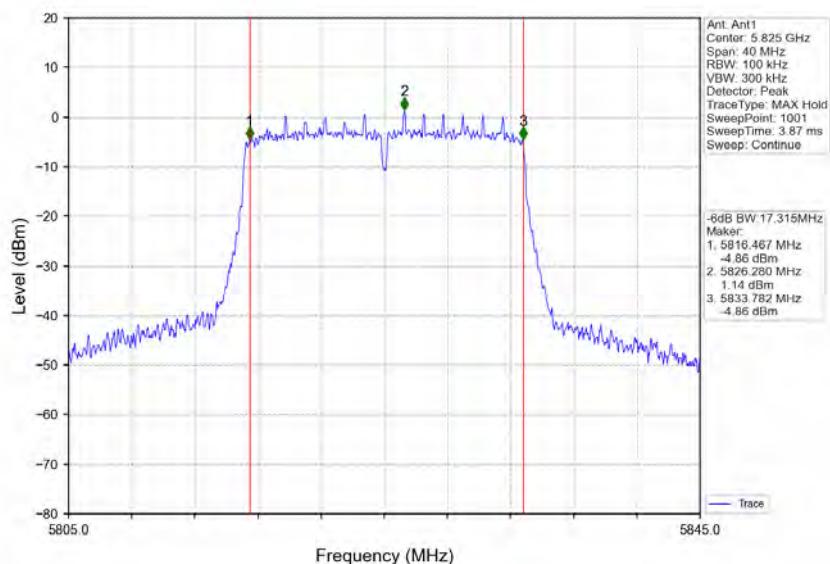
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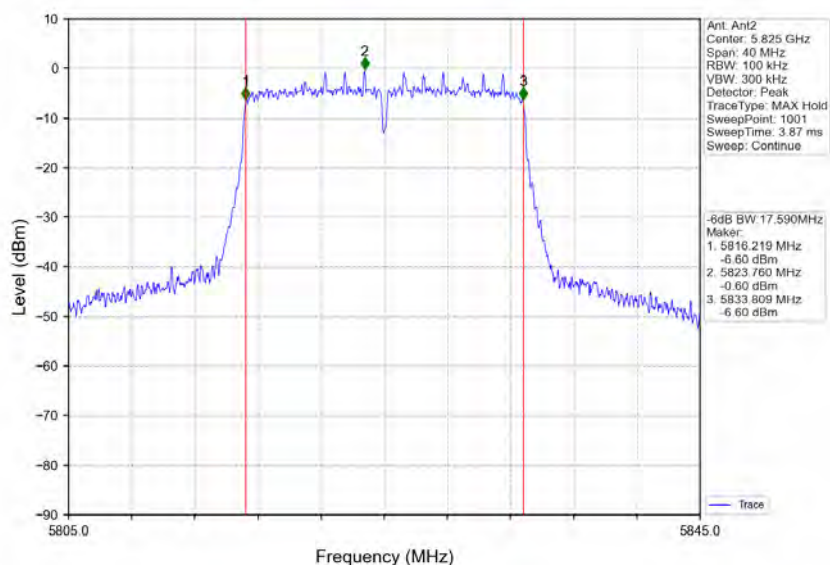
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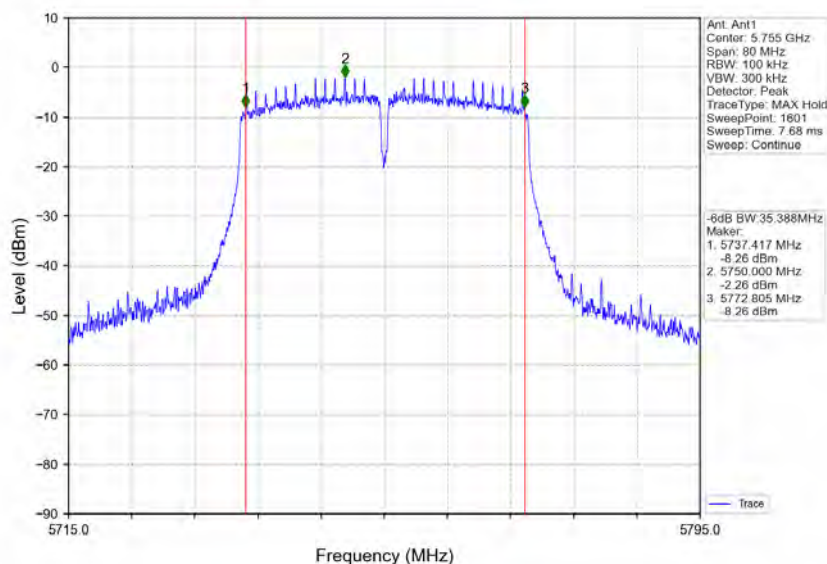
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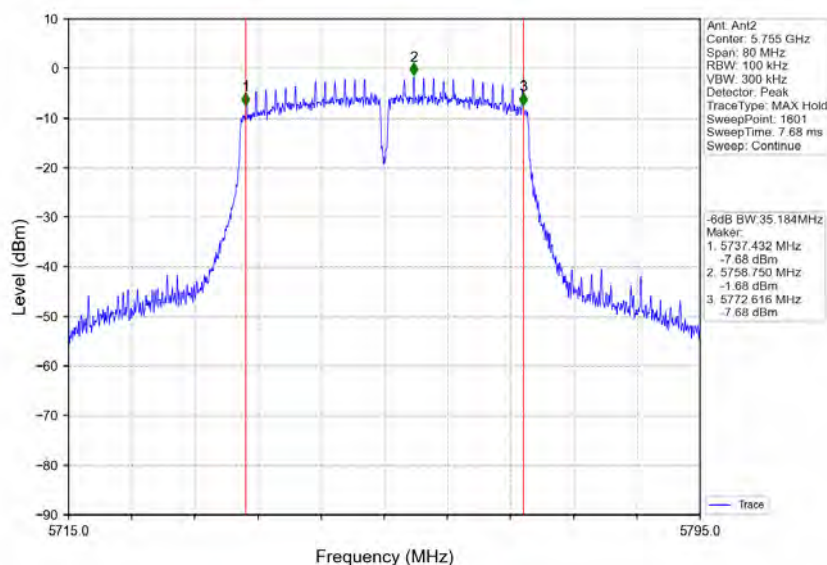
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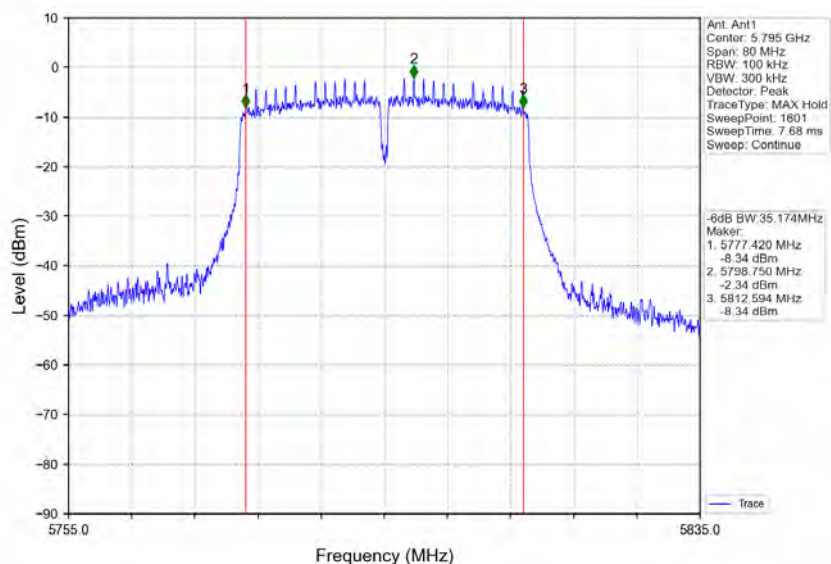
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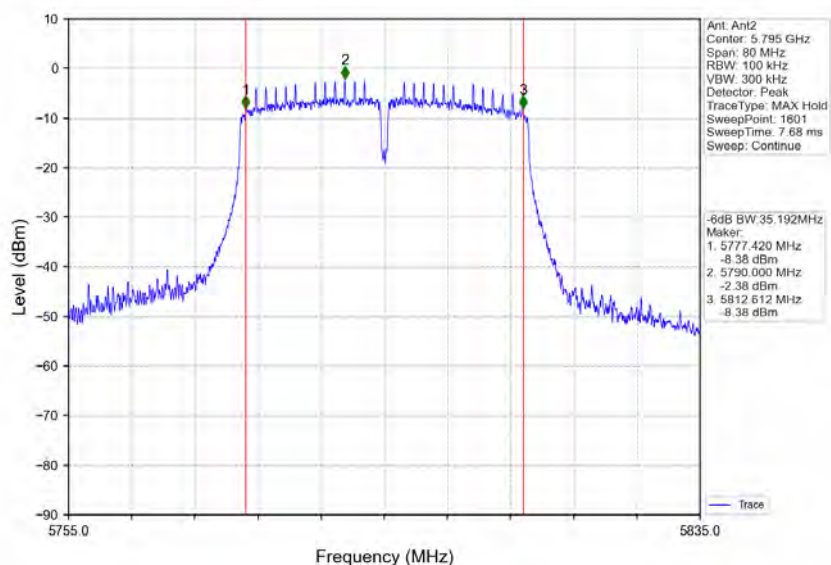
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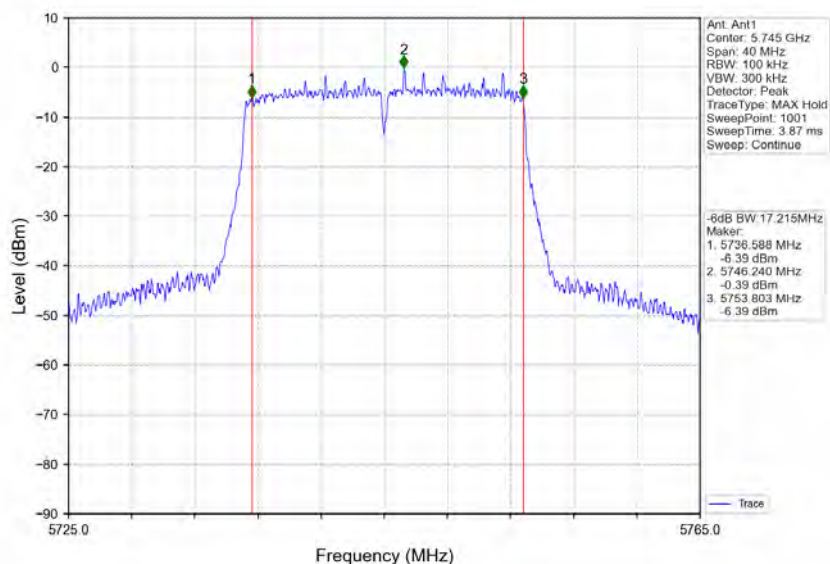
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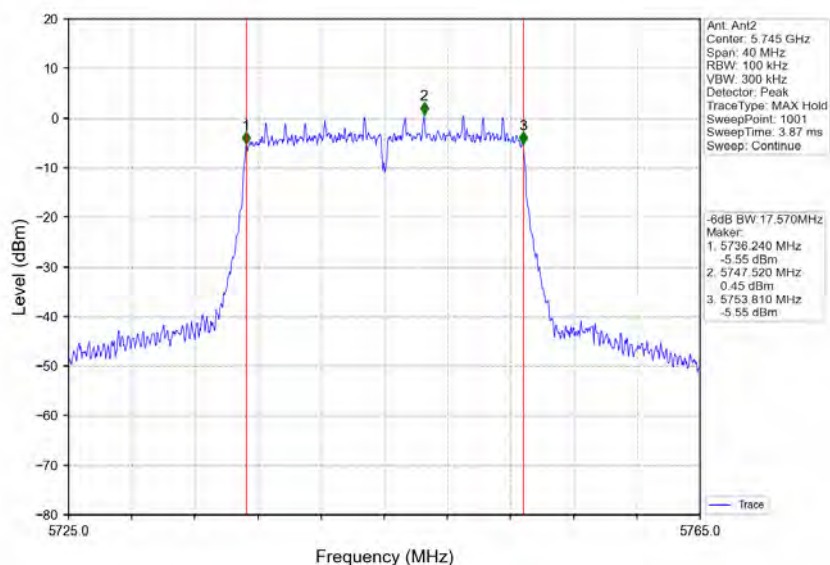
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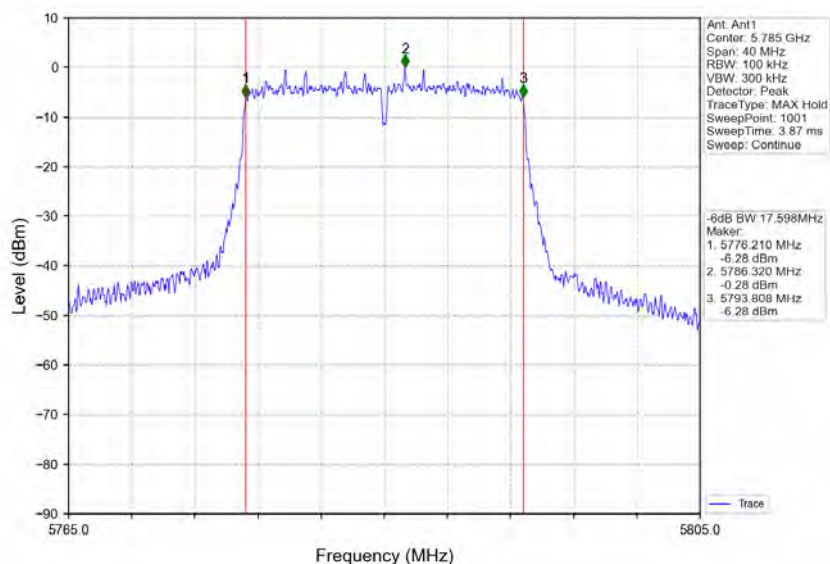
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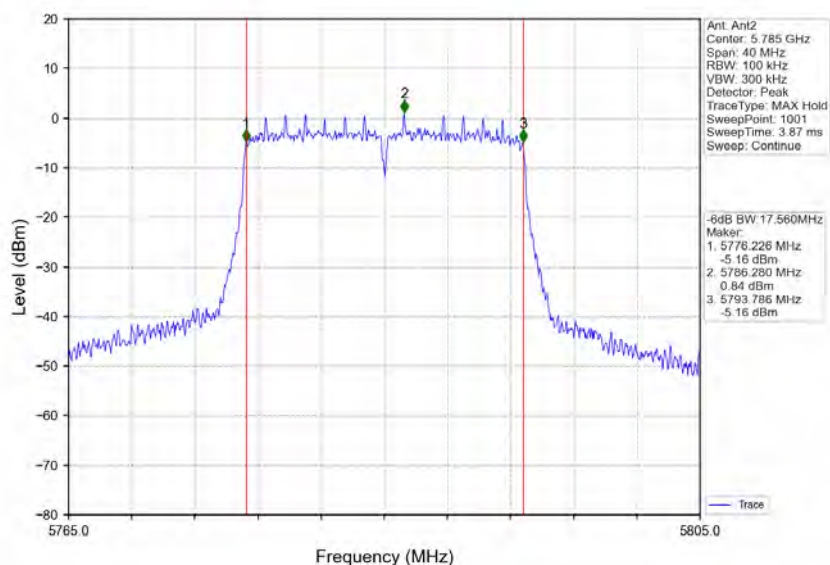
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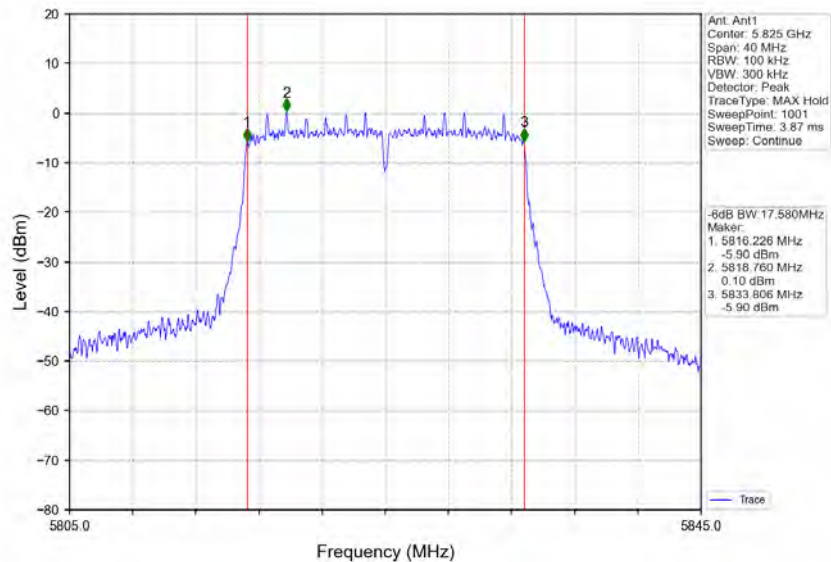
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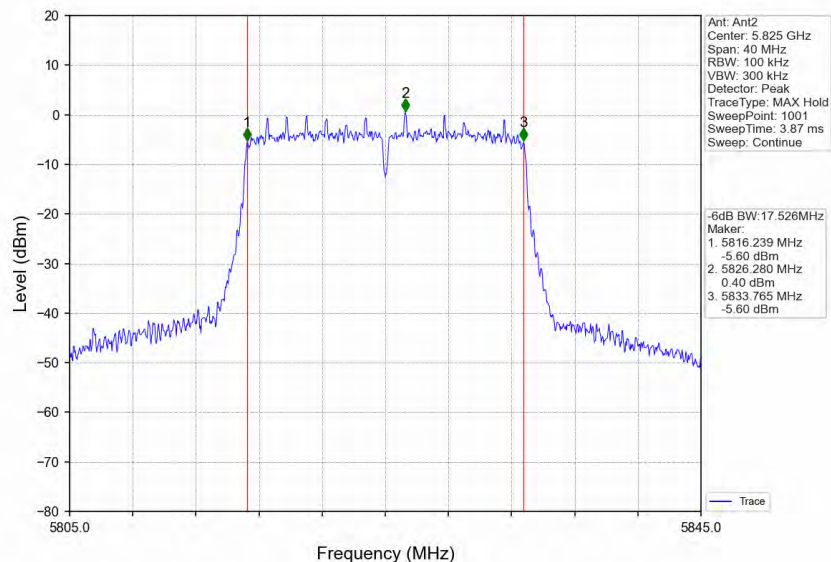
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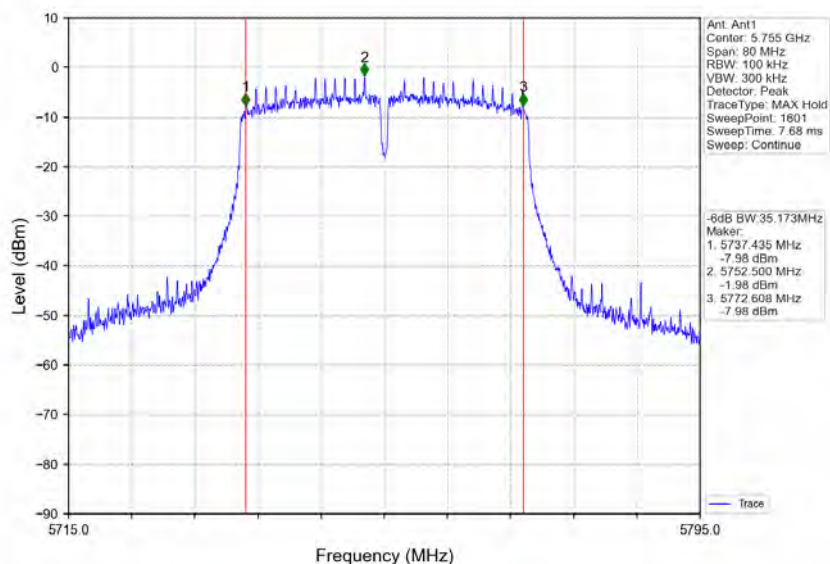
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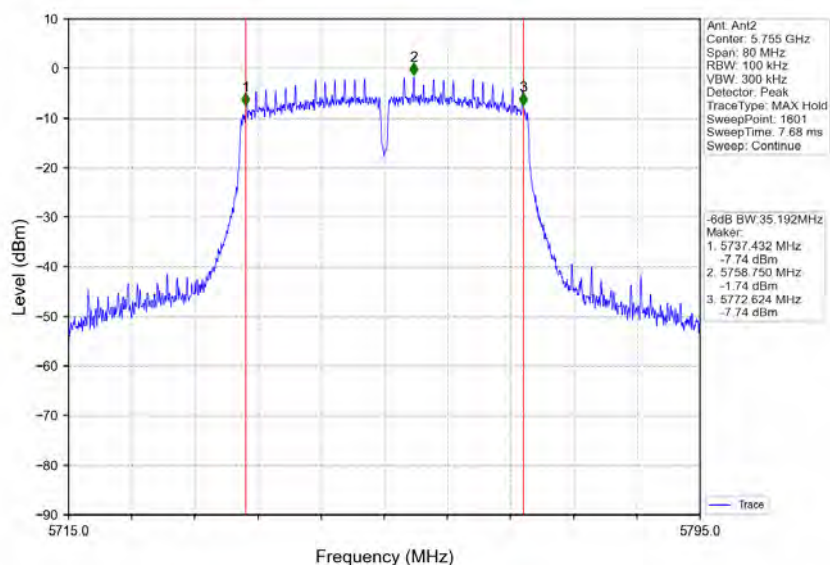
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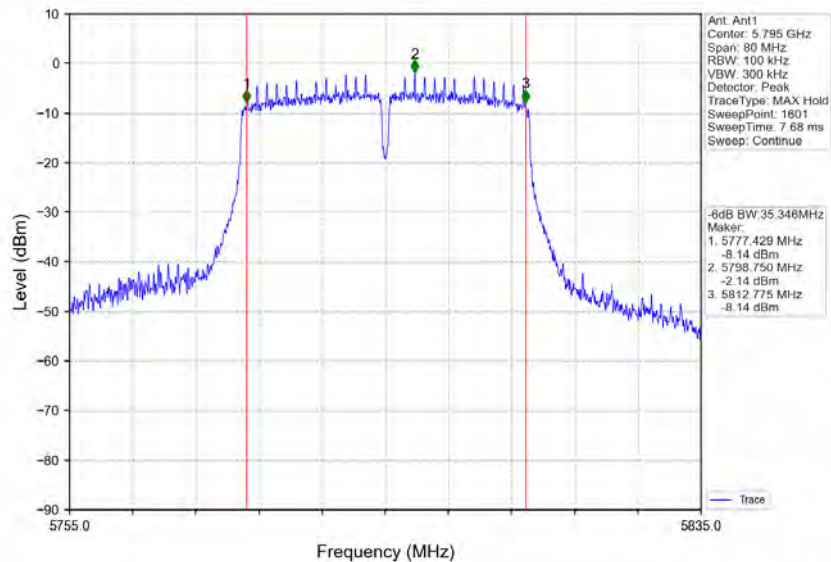
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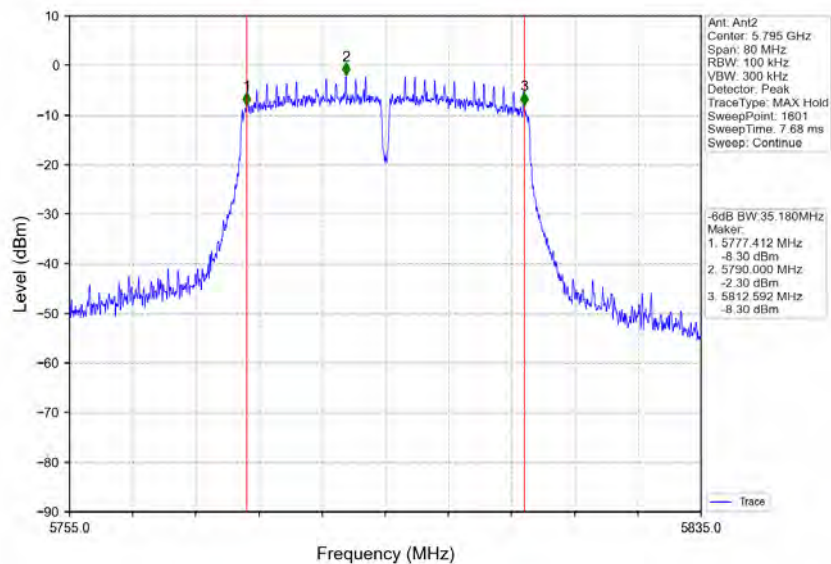
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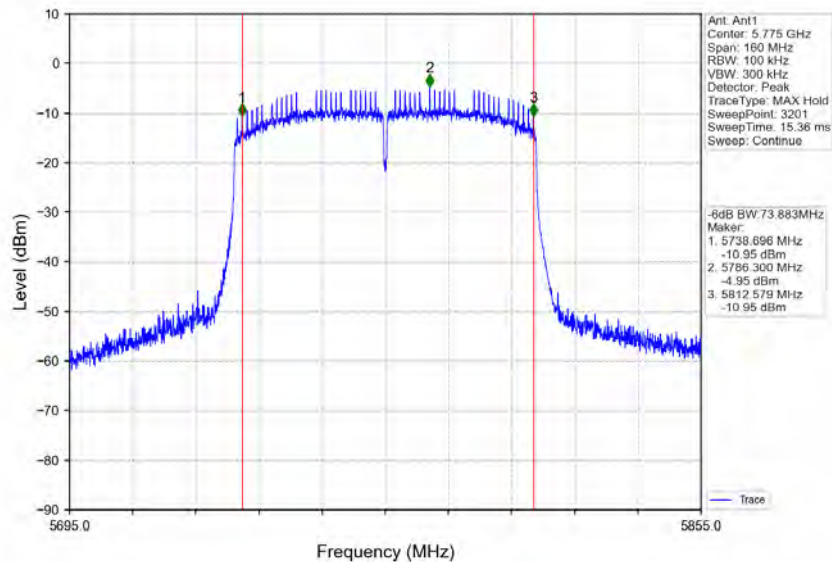
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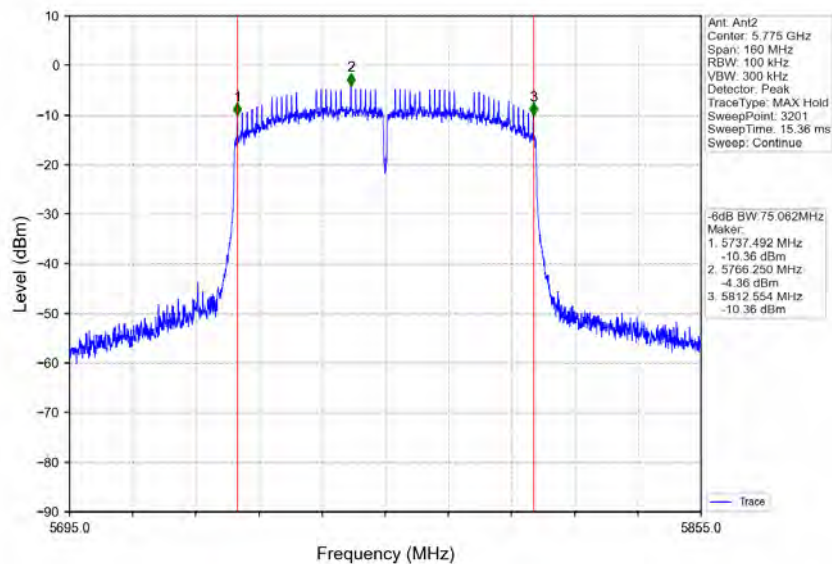
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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	19.383	Pass
			2	19.393	Pass
		5200	1	19.298	Pass
			2	19.388	Pass
		5240	1	19.433	Pass
			2	19.392	Pass
802.11n (HT20)	MIMO	5180	1	20.250	Pass
			2	20.251	Pass
		5200	1	20.149	Pass
			2	20.250	Pass
		5240	1	20.180	Pass
			2	20.234	Pass
802.11n (HT40)	MIMO	5190	1	42.407	Pass
			2	42.709	Pass
		5230	1	42.623	Pass
			2	42.585	Pass
802.11ac (VHT20)	MIMO	5180	1	20.195	Pass
			2	20.070	Pass
		5200	1	20.148	Pass
			2	20.315	Pass
		5240	1	20.195	Pass
			2	20.181	Pass
802.11ac (VHT40)	MIMO	5190	1	42.971	Pass
			2	42.911	Pass
		5230	1	42.558	Pass
			2	42.879	Pass
802.11ac (VHT80)	MIMO	5210	1	84.002	Pass
			2	83.571	Pass



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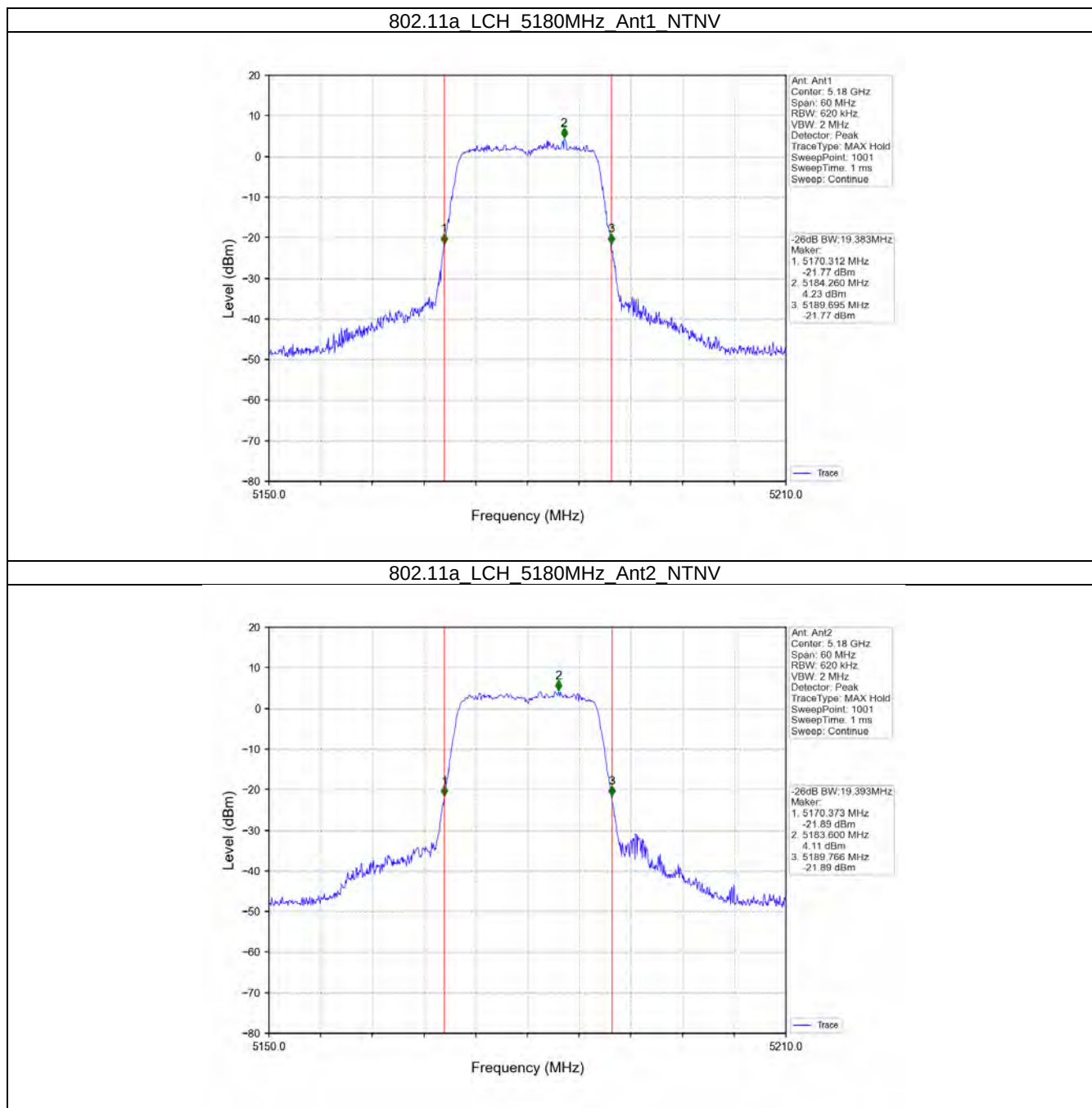
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2.3.2 Test Graph



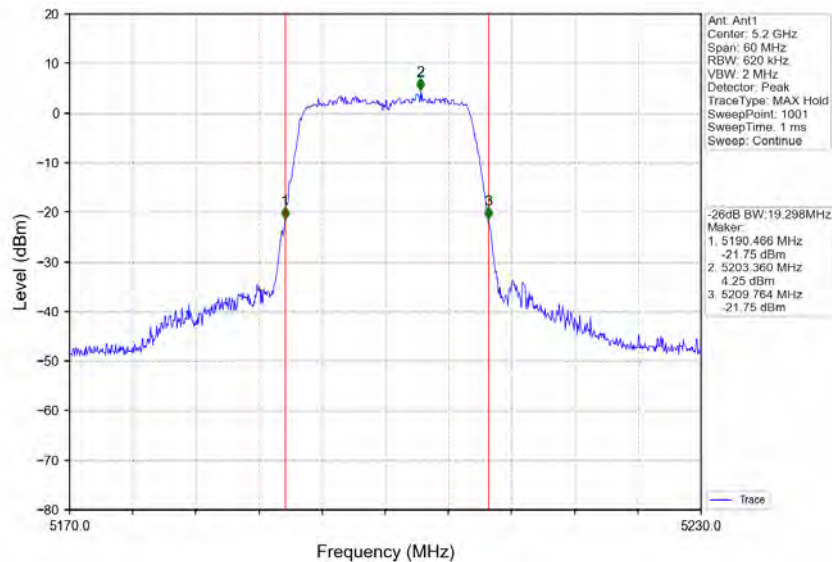
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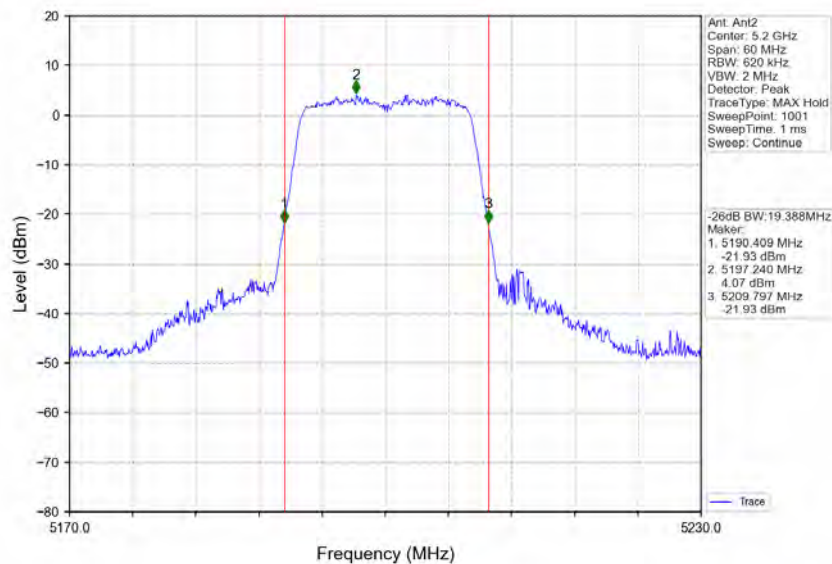
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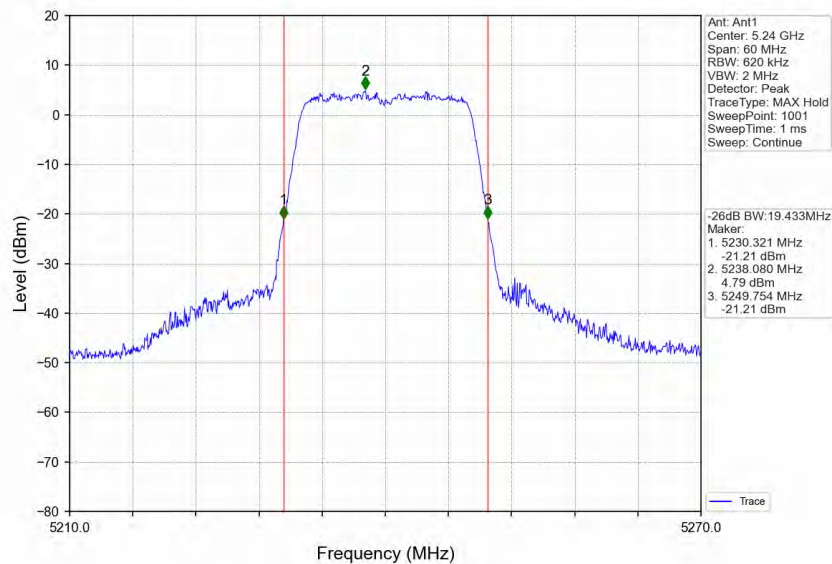
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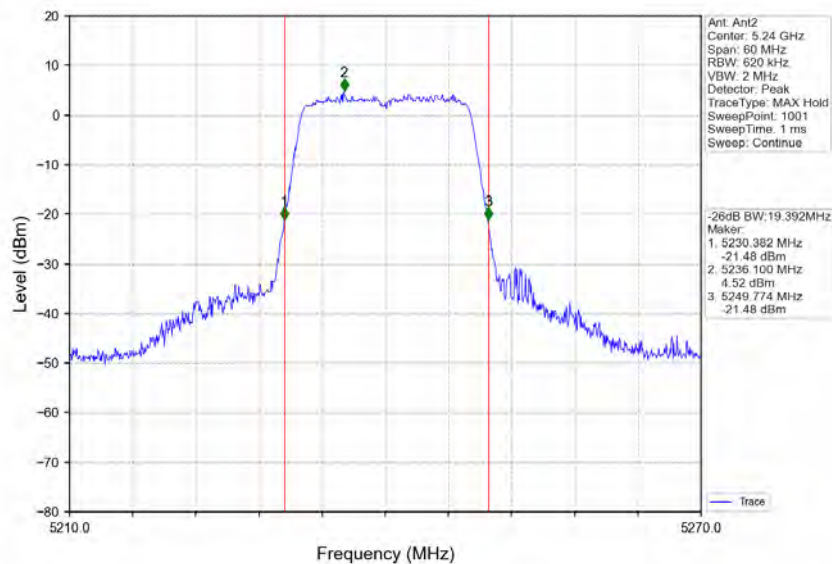
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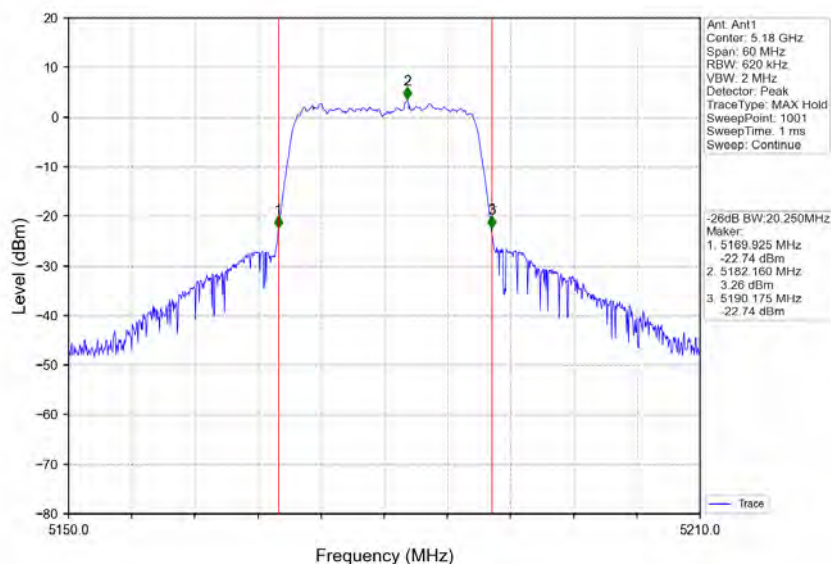
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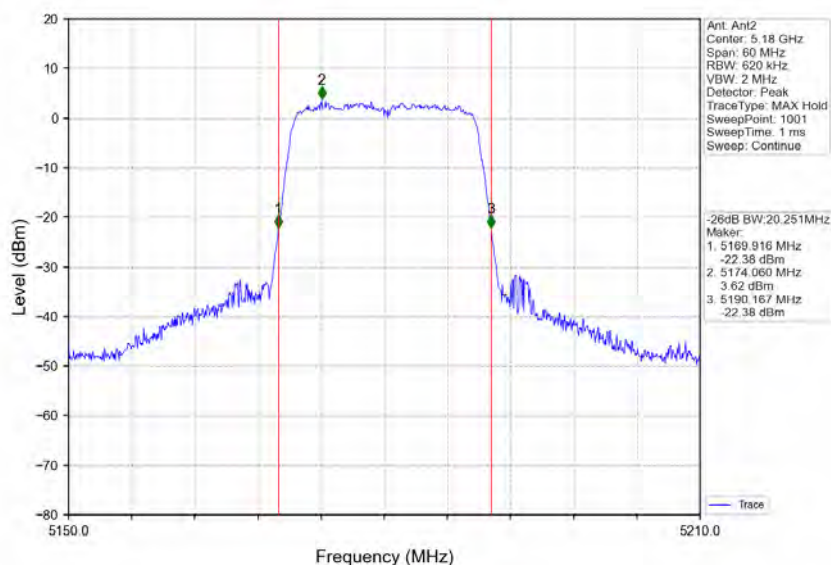
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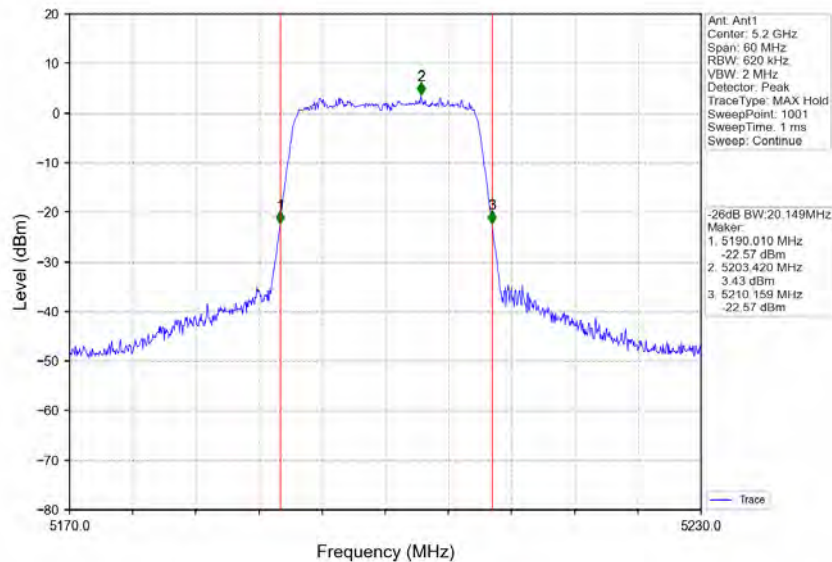
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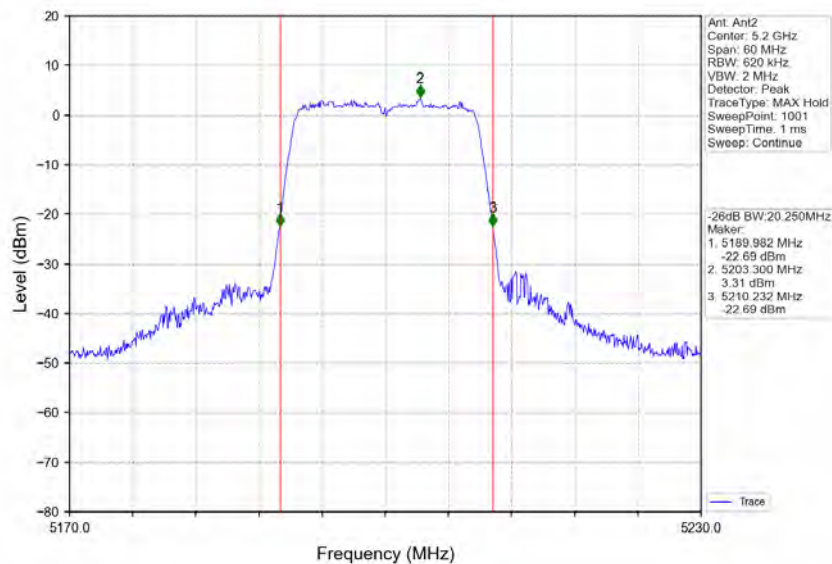
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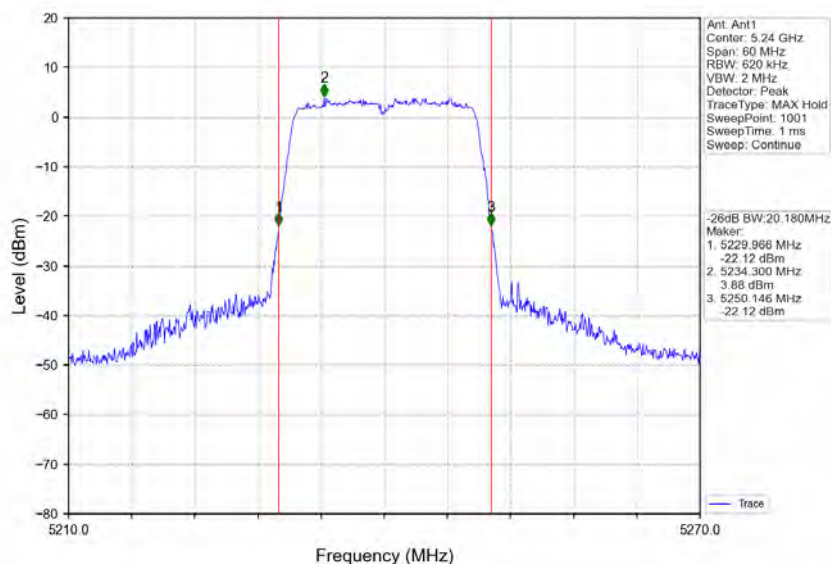
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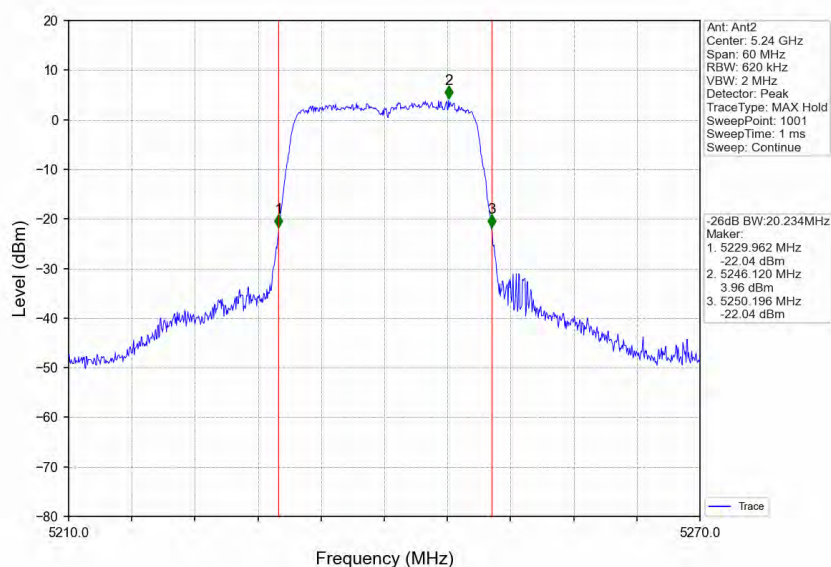
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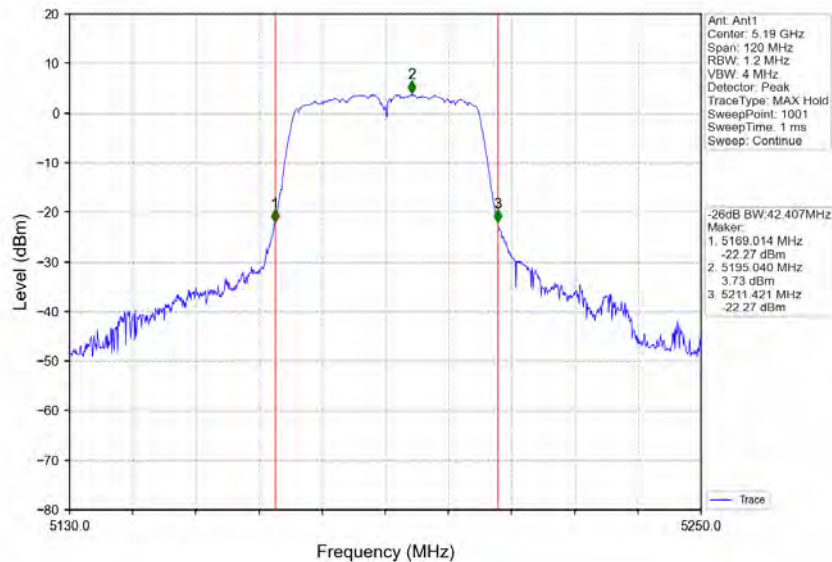
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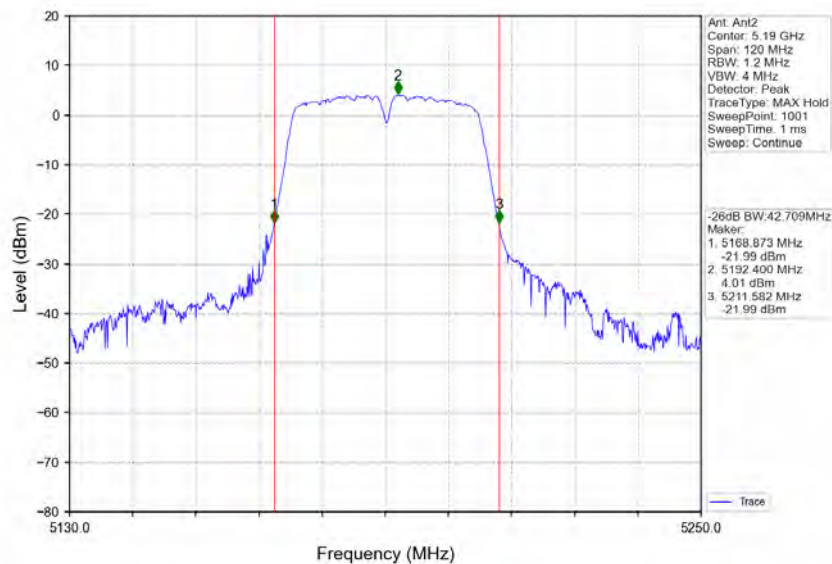
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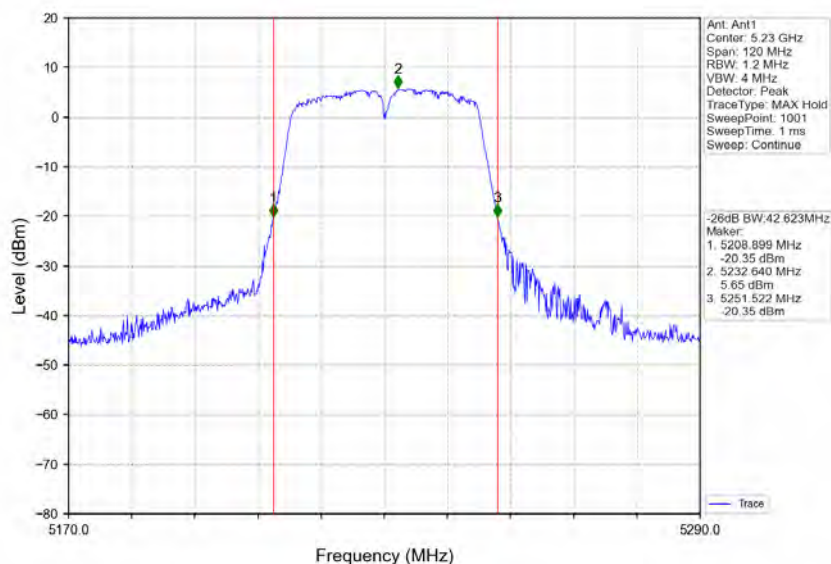
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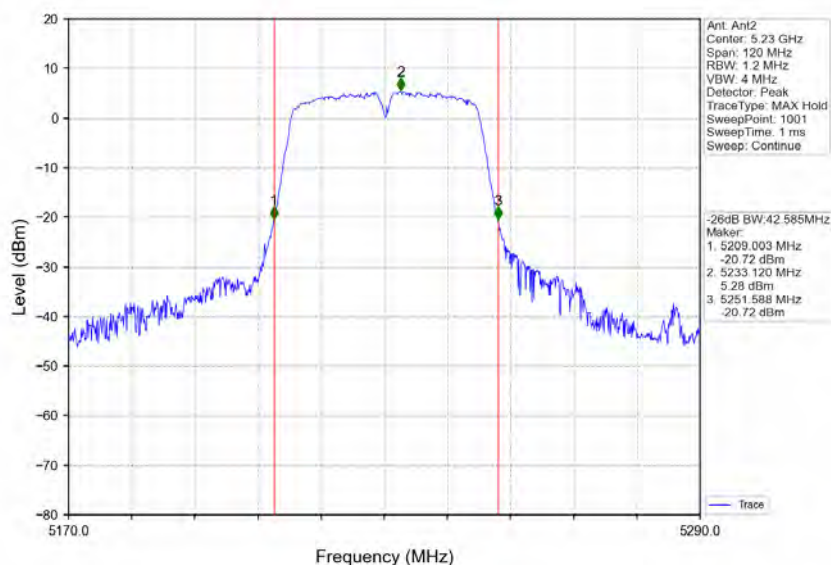
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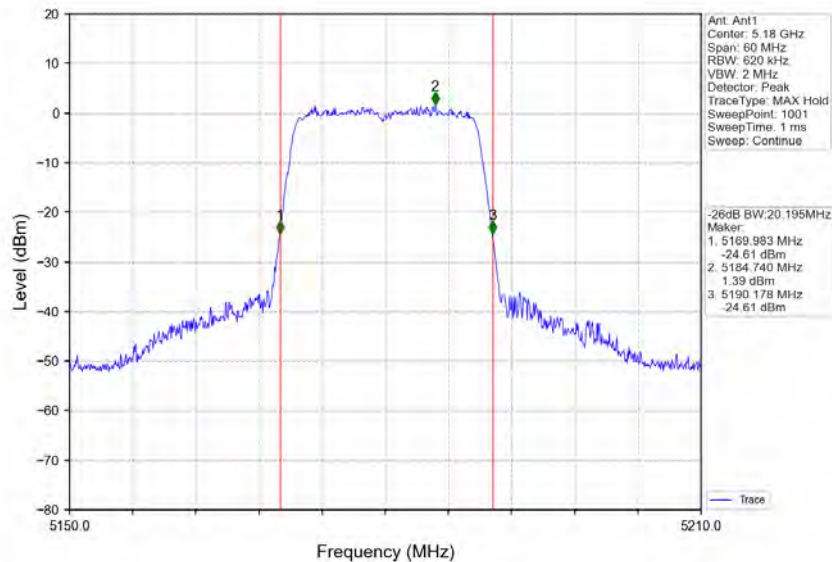
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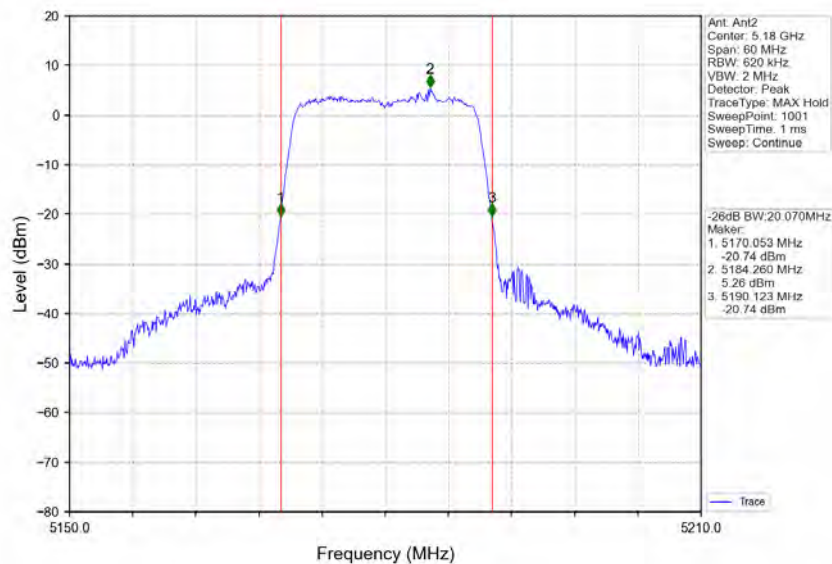
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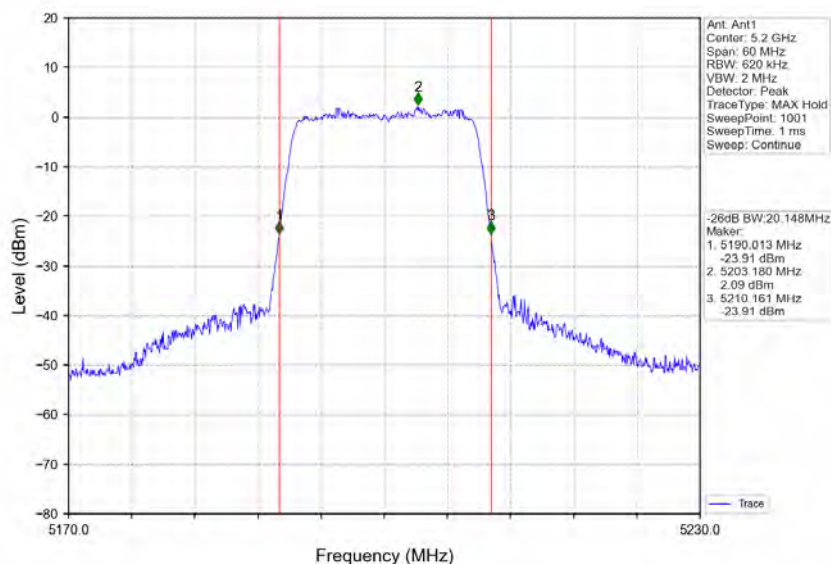
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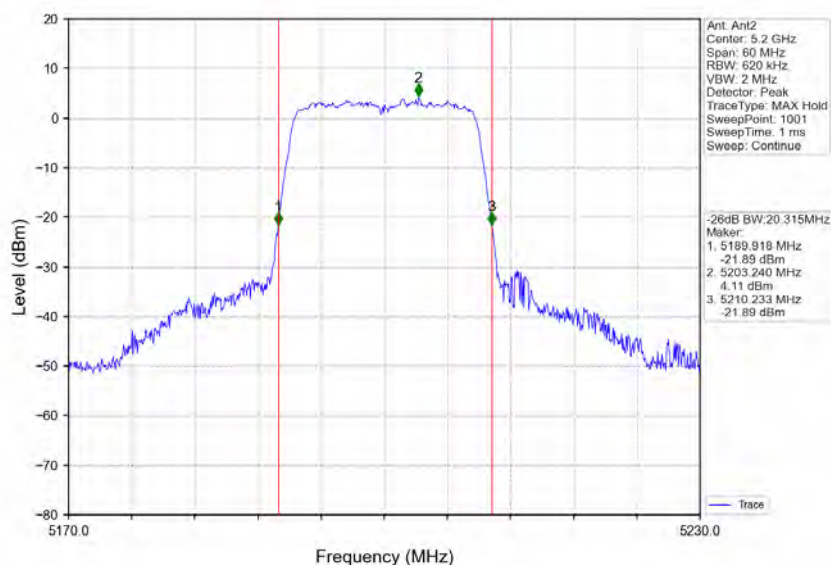
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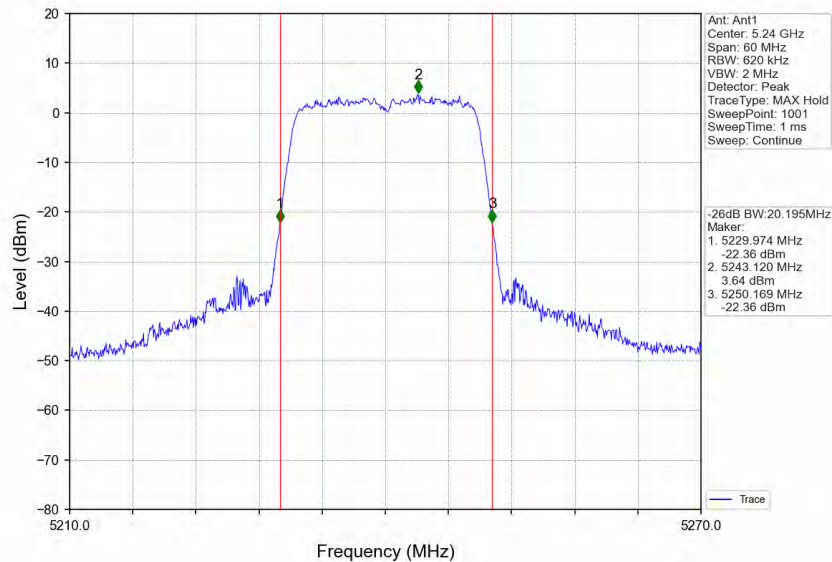
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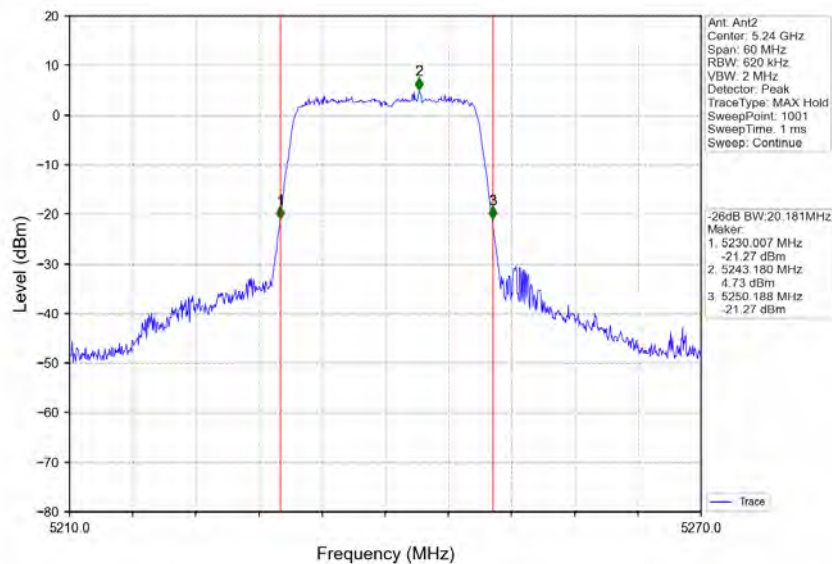
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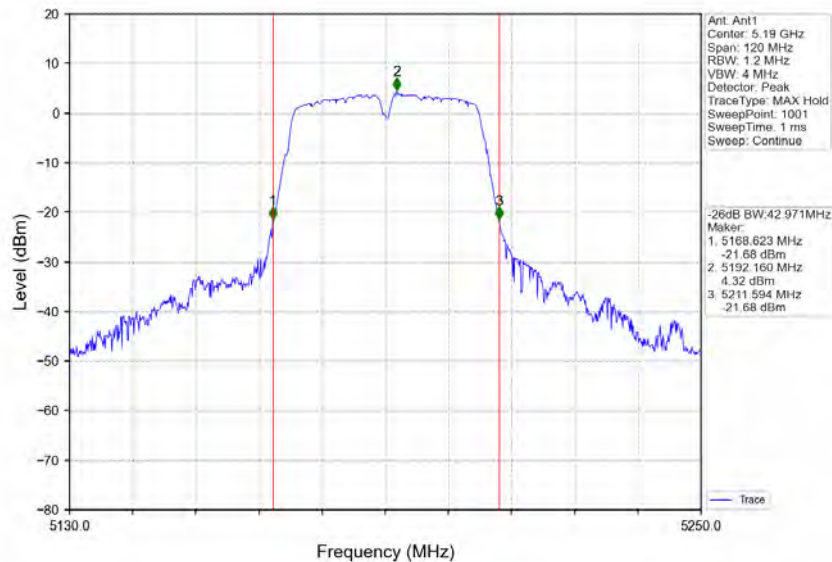
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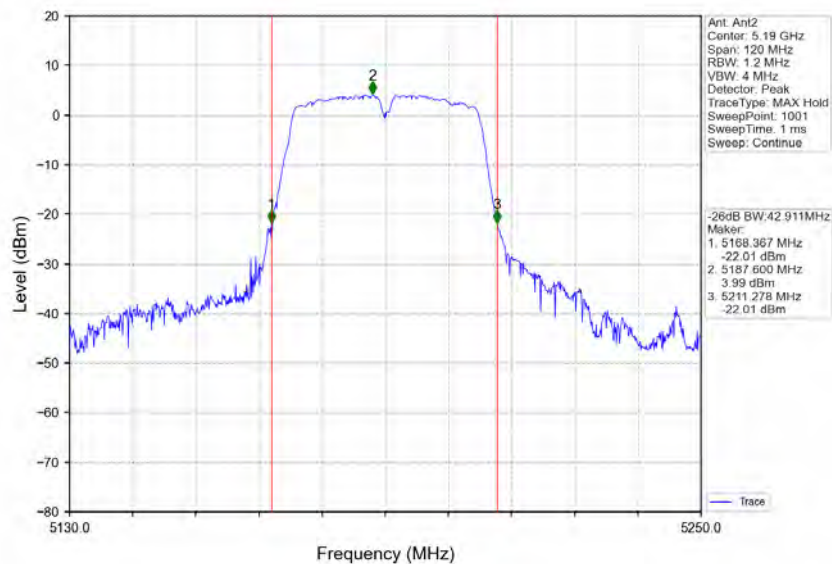
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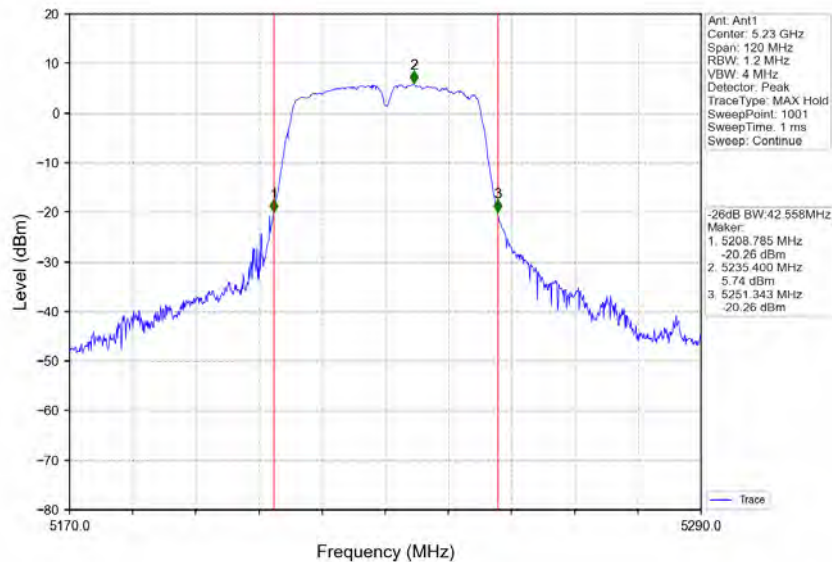
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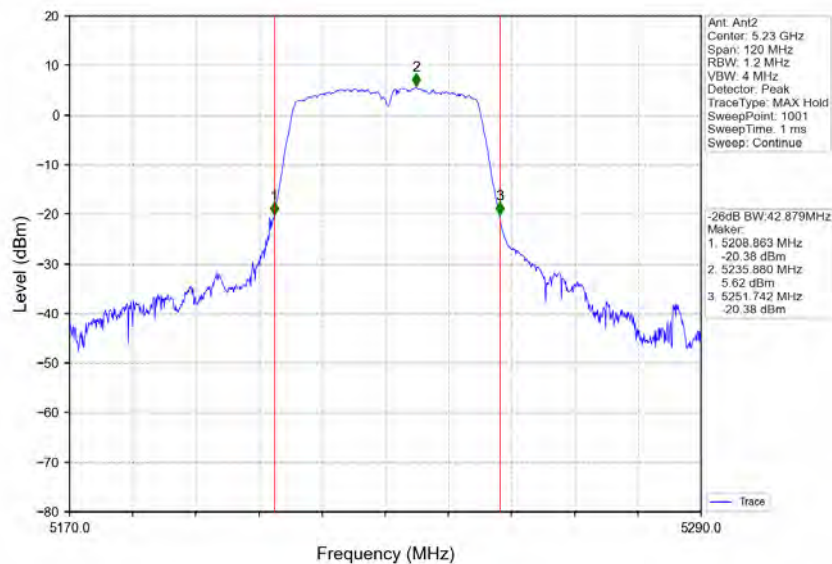
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



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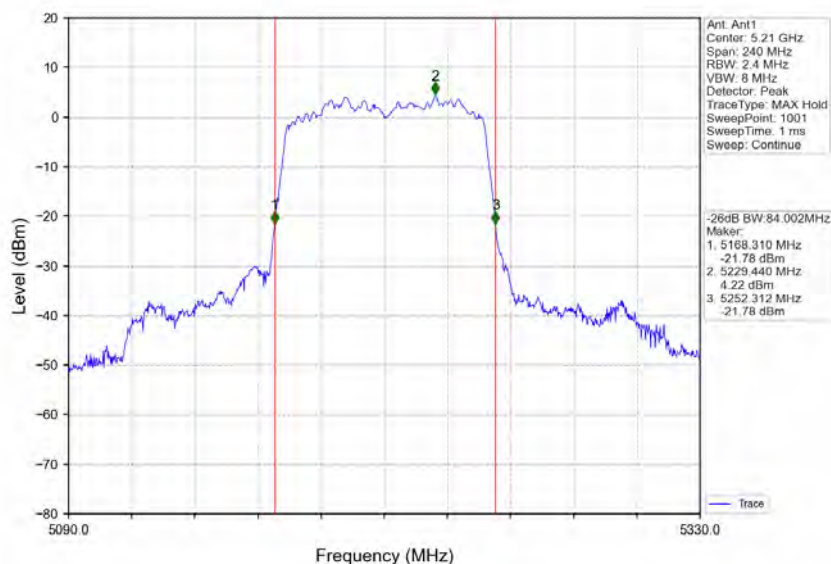
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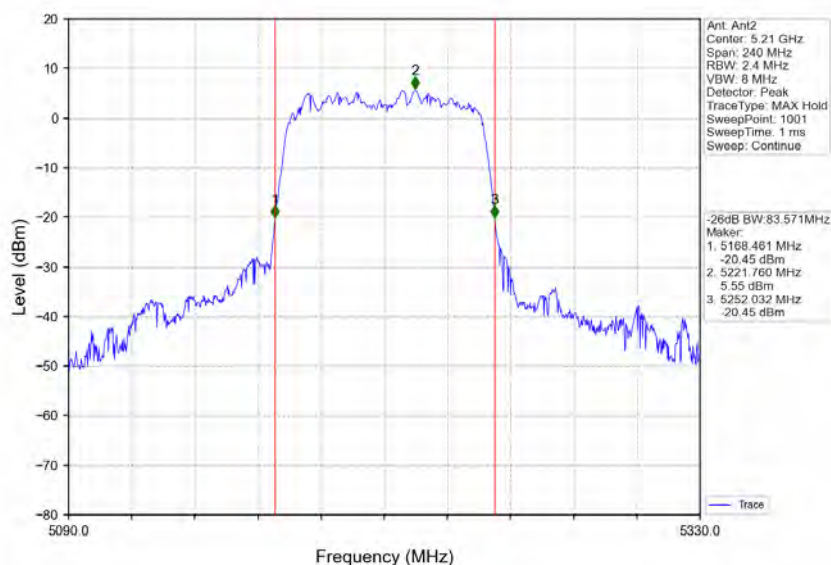
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result for FCC

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	9.17	9.90	/	<=23.98	Pass
		5200	9.48	9.69	/	<=23.98	Pass
		5240	10.65	10.31	/	<=23.98	Pass
		5745	11.42	11.33	/	<=30	Pass
		5785	10.95	11.68	/	<=30	Pass
		5825	11.95	11.15	/	<=30	Pass
802.11n (HT20)	MIMO	5180	8.88	9.61	12.27	<=23.63	Pass
		5200	9.26	9.42	12.35	<=23.63	Pass
		5240	10.45	9.99	13.24	<=23.63	Pass
		5745	11.40	11.06	14.24	<=29.65	Pass
		5785	11.22	11.42	14.33	<=29.65	Pass
		5825	12.00	10.88	14.49	<=29.65	Pass
802.11n (HT40)	MIMO	5190	8.44	8.68	11.57	<=23.63	Pass
		5230	10.29	9.98	13.15	<=23.63	Pass
		5755	11.78	11.81	14.81	<=29.65	Pass
		5795	11.38	11.35	14.38	<=29.65	Pass
802.11ac (VHT20)	MIMO	5180	7.55	10.22	12.10	<=23.63	Pass
		5200	7.85	10.02	12.08	<=23.63	Pass
		5240	9.46	10.49	13.02	<=23.63	Pass
		5745	10.60	11.66	14.17	<=29.65	Pass
		5785	11.18	11.85	14.54	<=29.65	Pass
		5825	11.47	11.32	14.41	<=29.65	Pass
802.11ac (VHT40)	MIMO	5190	8.50	8.73	11.63	<=23.63	Pass
		5230	10.38	10.24	13.32	<=23.63	Pass
		5755	11.79	11.77	14.79	<=29.65	Pass
		5795	11.50	11.38	14.45	<=29.65	Pass
802.11ac (VHT80)	MIMO	5210	7.24	8.29	10.81	<=23.63	Pass
		5775	11.43	11.81	14.63	<=29.65	Pass

Note1: Antenna Gain: Ant1: 3.06dBi; Ant2: 3.60dBi;
Note2: Directional Gain: 6.35dBi



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3.1.2 Test Result for IC

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	12.23	13.50	/	<=23.01	Pass
		5200	12.54	13.29	/	<=23.01	Pass
		5240	13.71	13.91	/	<=23.01	Pass
		5745	14.48	14.93	/	/	Pass
		5785	14.01	15.28	/	/	Pass
		5825	15.01	14.75	/	/	Pass
802.11n (HT20)	MIMO	5180	11.94	13.21	15.63	<=23.01	Pass
		5200	12.32	13.02	15.69	<=23.01	Pass
		5240	13.51	13.59	16.56	<=23.01	Pass
		5745	14.46	14.66	17.57	/	Pass
		5785	14.28	15.02	17.68	/	Pass
		5825	15.06	14.48	17.79	/	Pass
802.11n (HT40)	MIMO	5190	11.50	12.28	14.92	<=23.01	Pass
		5230	13.35	13.58	16.48	<=23.01	Pass
		5755	14.84	15.41	18.14	/	Pass
		5795	14.44	14.95	17.71	/	Pass
802.11ac (VHT20)	MIMO	5180	10.61	13.82	15.52	<=23.01	Pass
		5200	10.91	13.62	15.48	<=23.01	Pass
		5240	12.52	14.09	16.39	<=23.01	Pass
		5745	13.66	15.26	17.54	/	Pass
		5785	14.24	15.45	17.90	/	Pass
		5825	14.53	14.92	17.74	/	Pass
802.11ac (VHT40)	MIMO	5190	11.56	12.33	14.97	<=23.01	Pass
		5230	13.44	13.84	16.65	<=23.01	Pass
		5755	14.85	15.37	18.13	/	Pass
		5795	14.56	14.98	17.79	/	Pass
802.11ac (VHT80)	MIMO	5210	10.30	11.89	14.18	<=23.01	Pass
		5775	14.49	15.41	17.98	/	Pass

Note1: Antenna Gain: Ant1: 3.06dBi; Ant2: 3.60dBi;
Note2: E.I.R.P = Measured Power + Antenna Gain
Note3: Directional Gain: 6.35dBi



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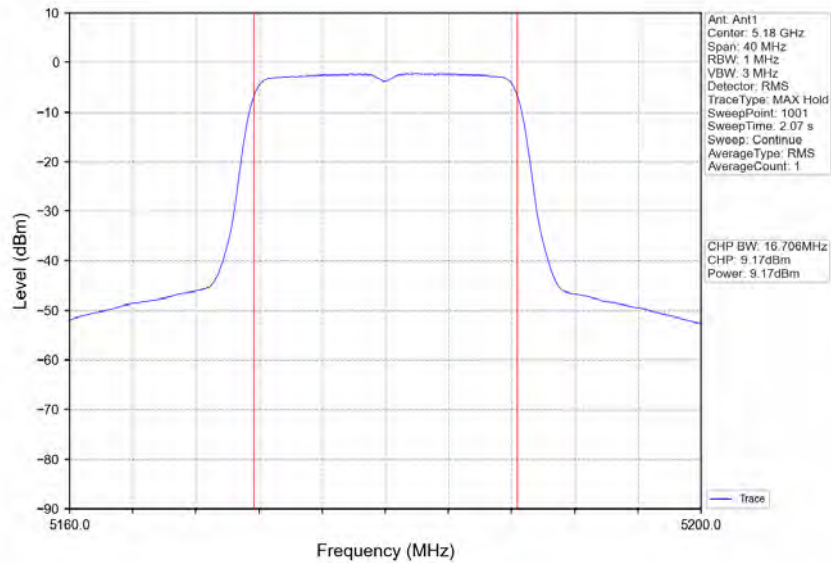
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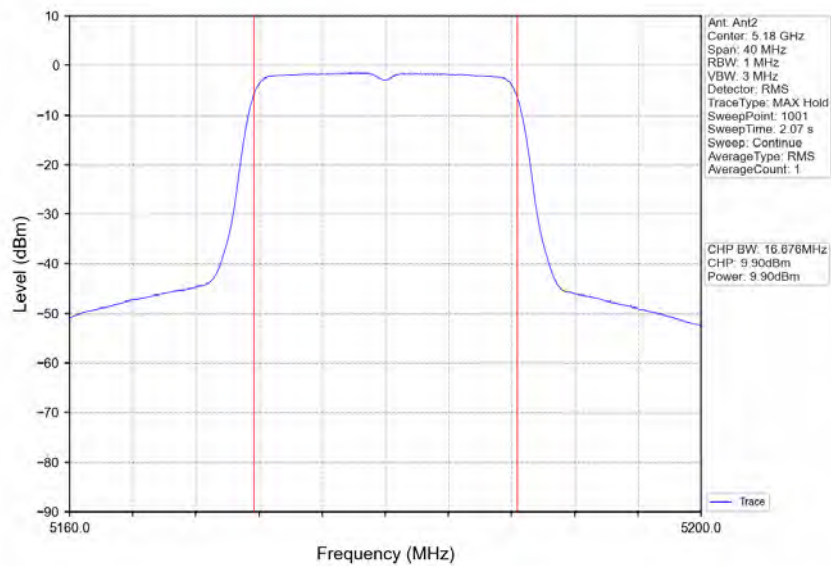
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3.1.3 Test Graph

802.11a LCH 5180MHz Ant1 NTN



802.11a LCH 5180MHz Ant2 NTN



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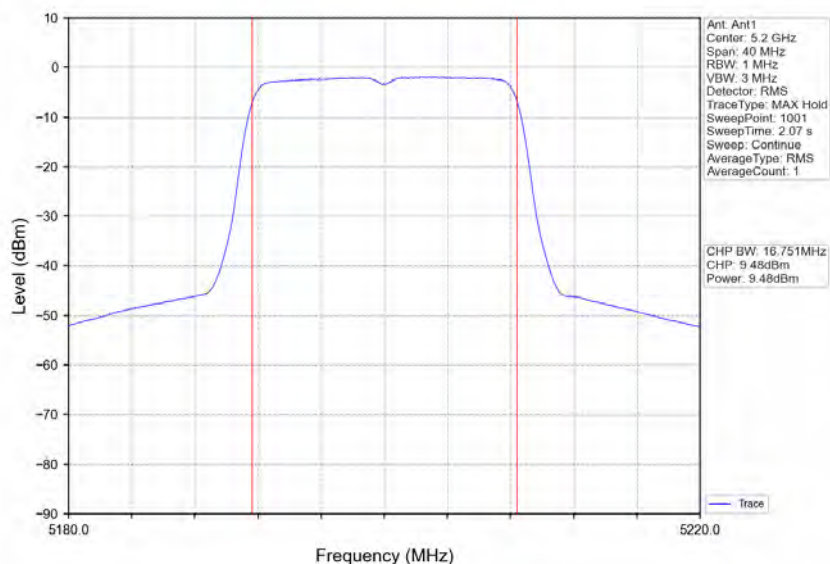
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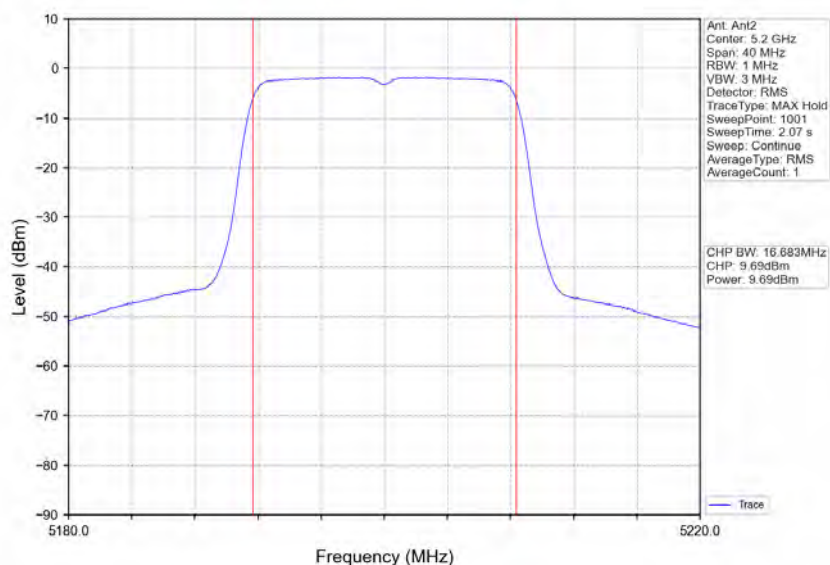
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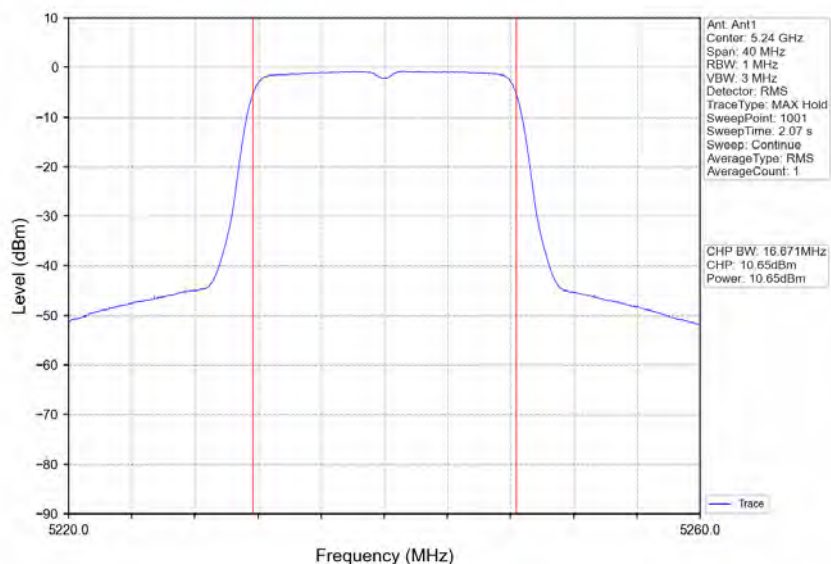
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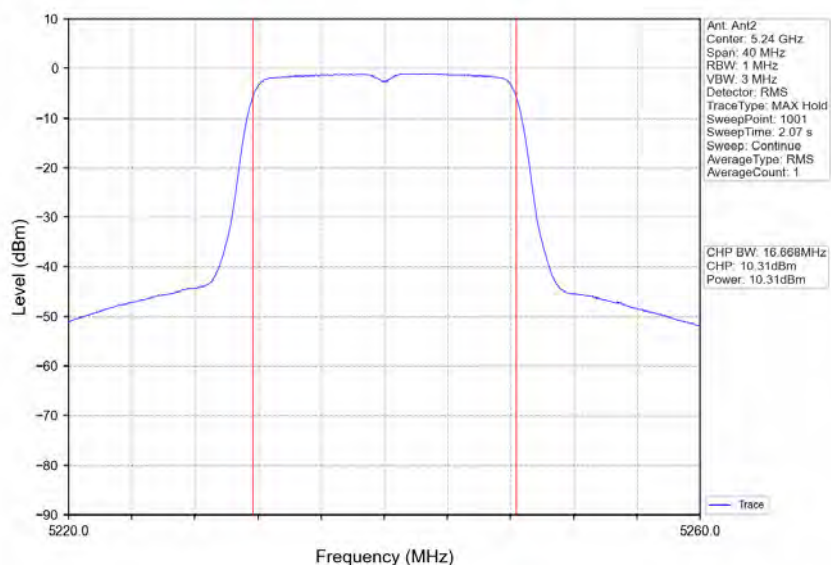
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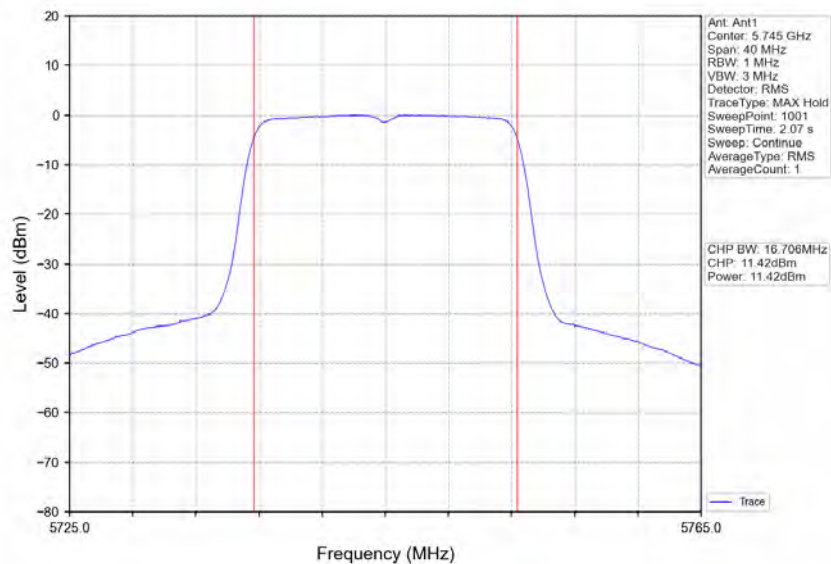
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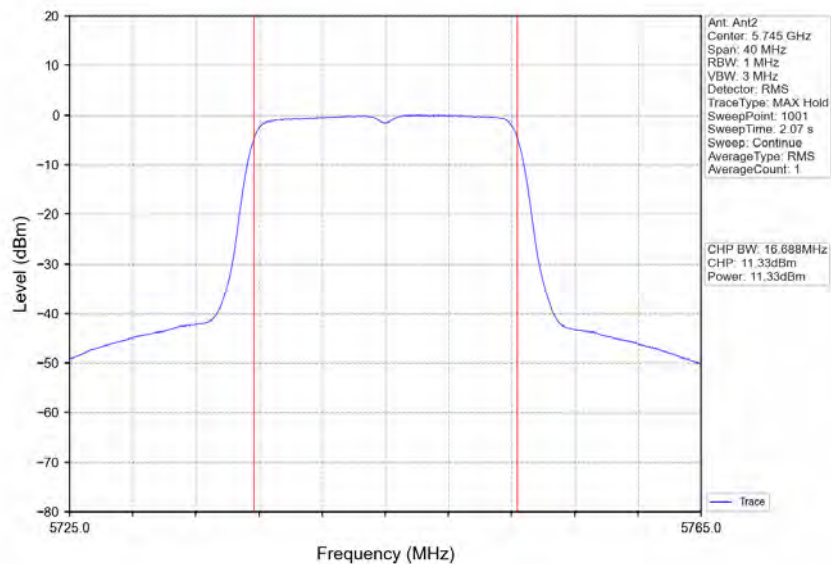
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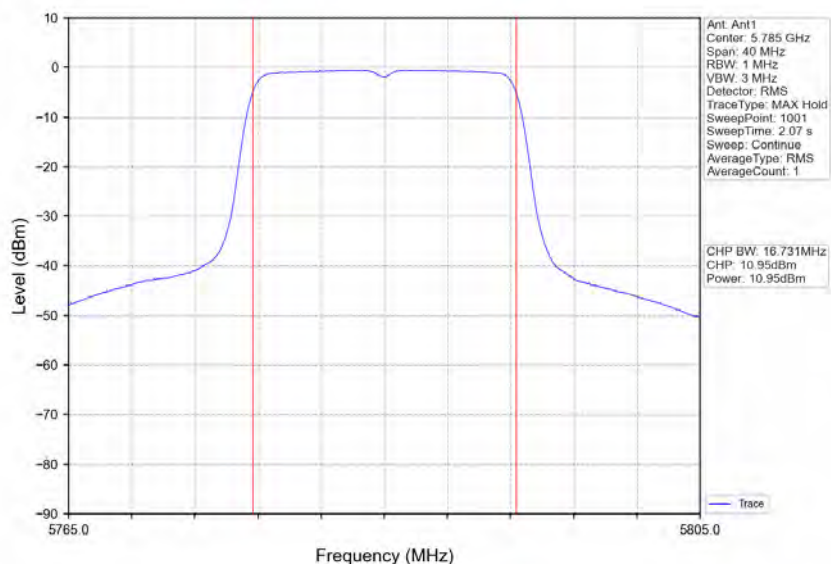
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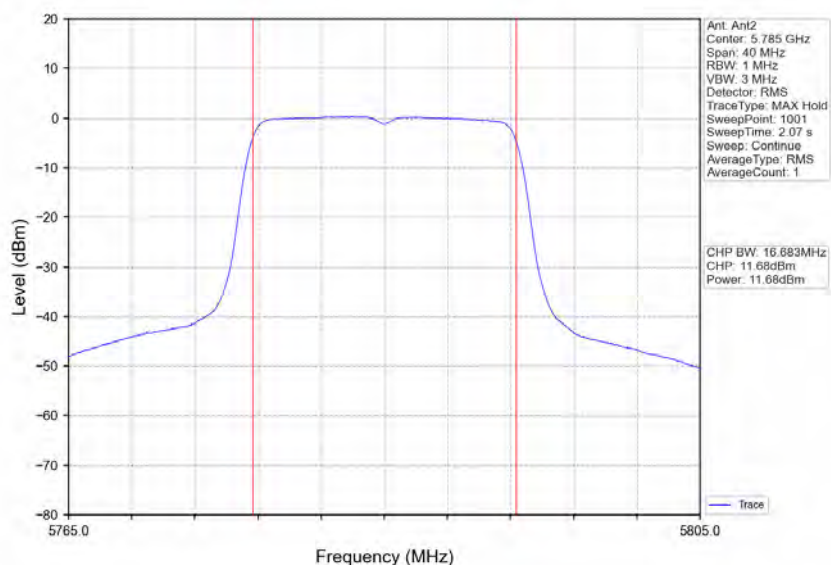
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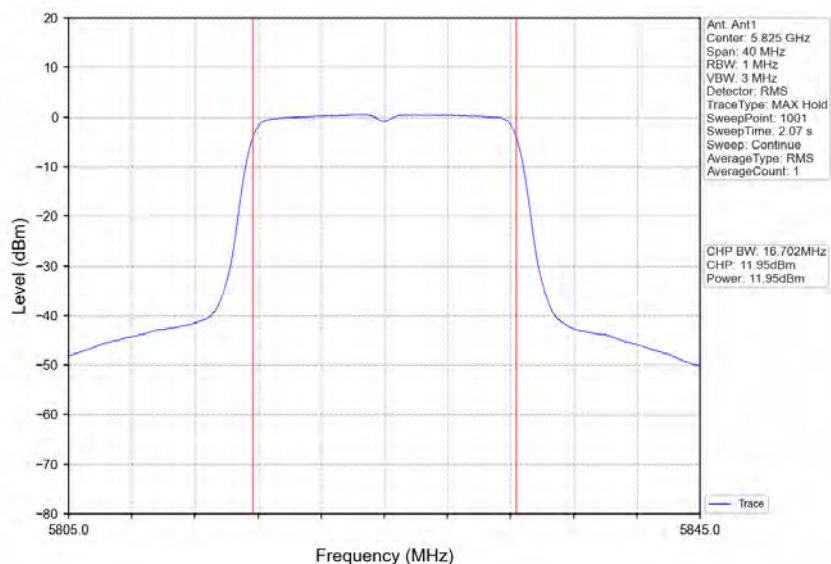
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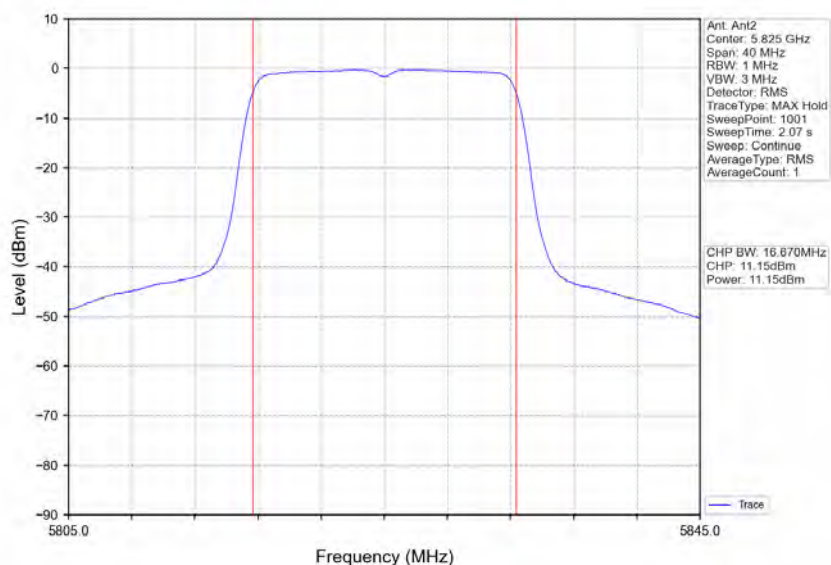
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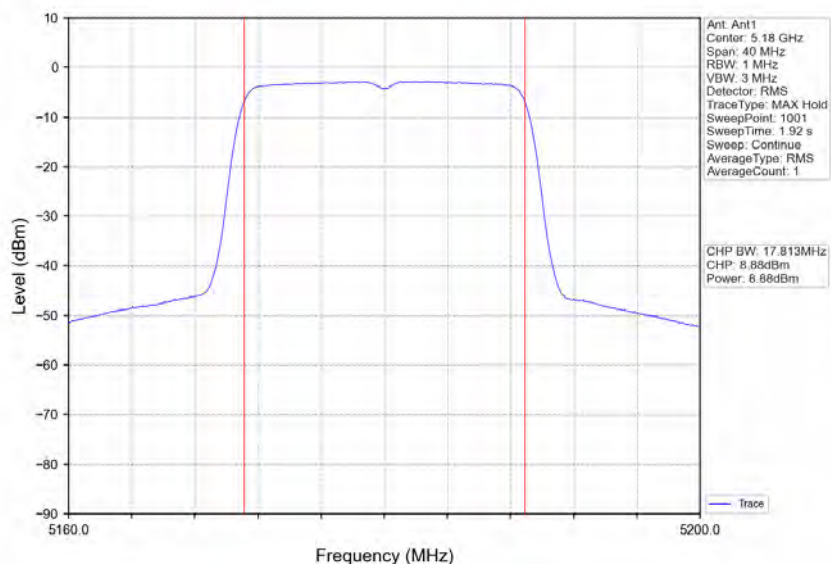
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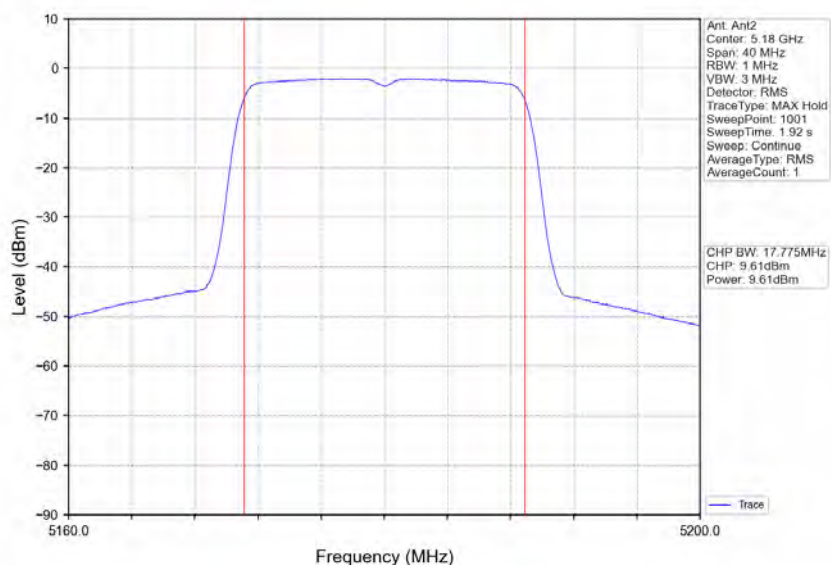
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



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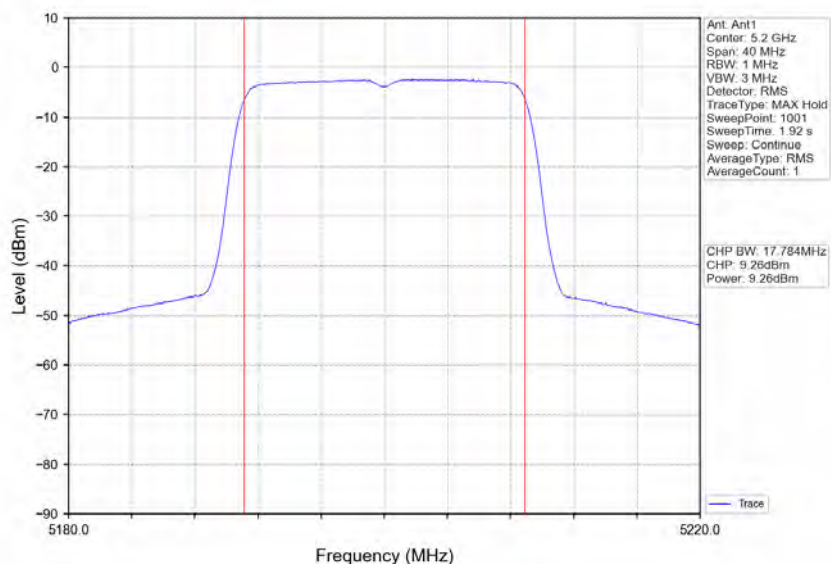
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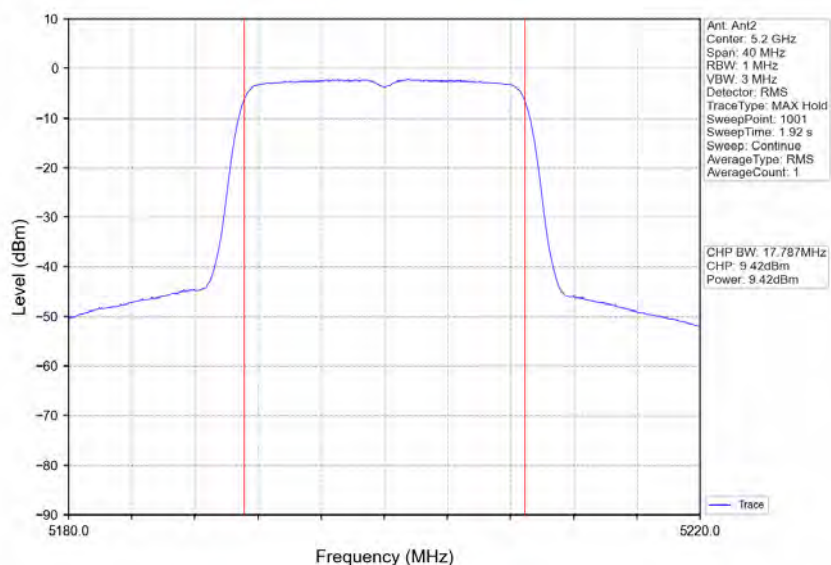
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



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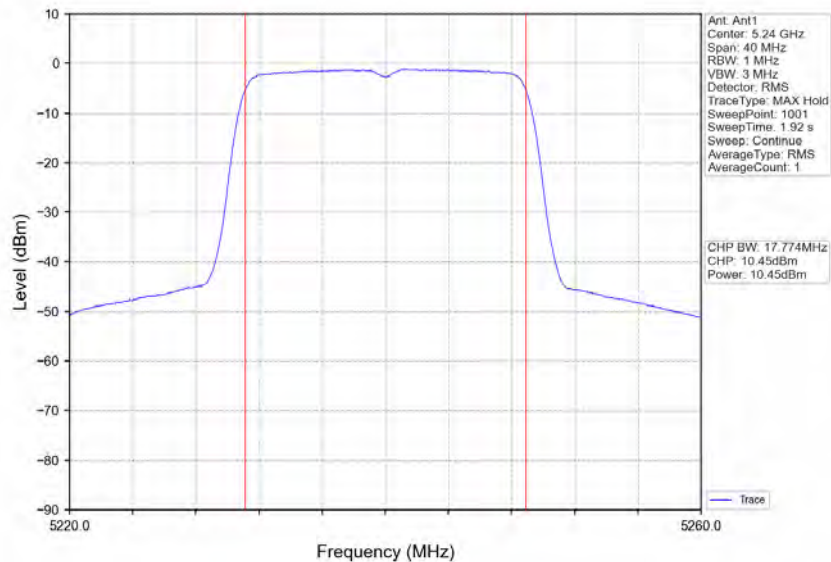
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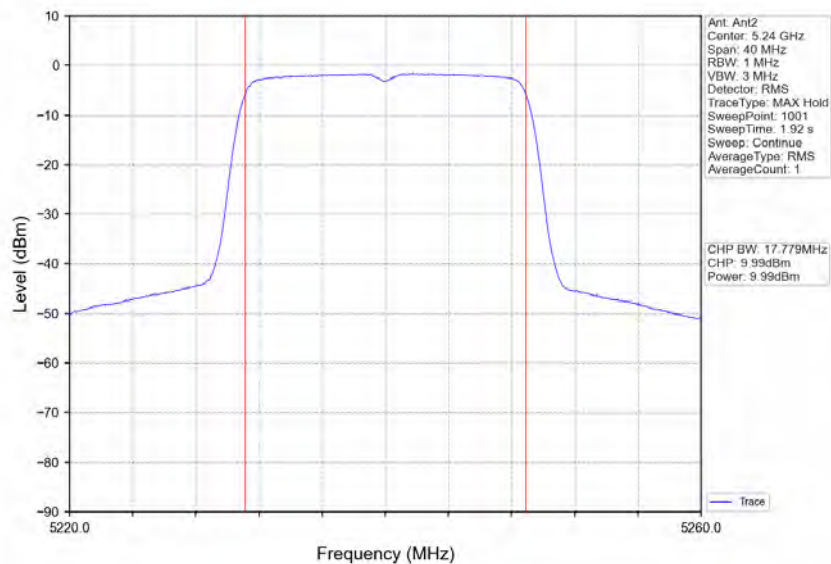
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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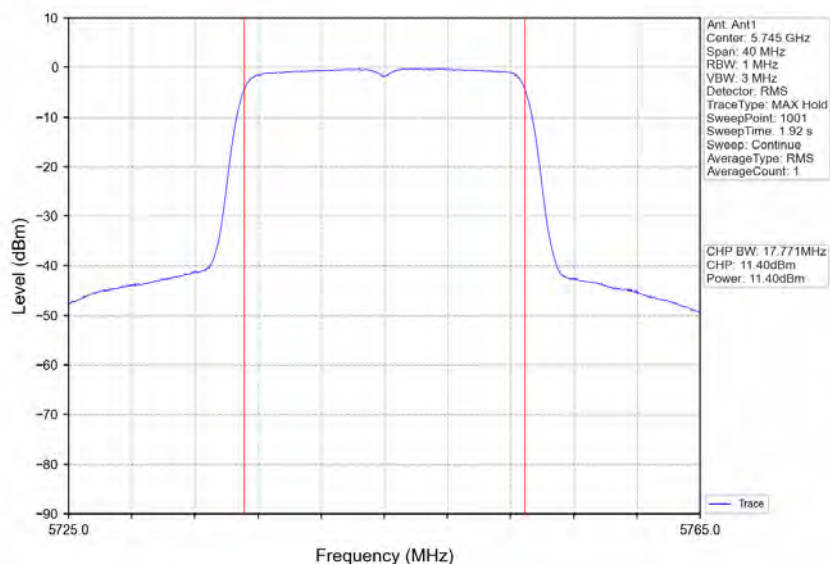
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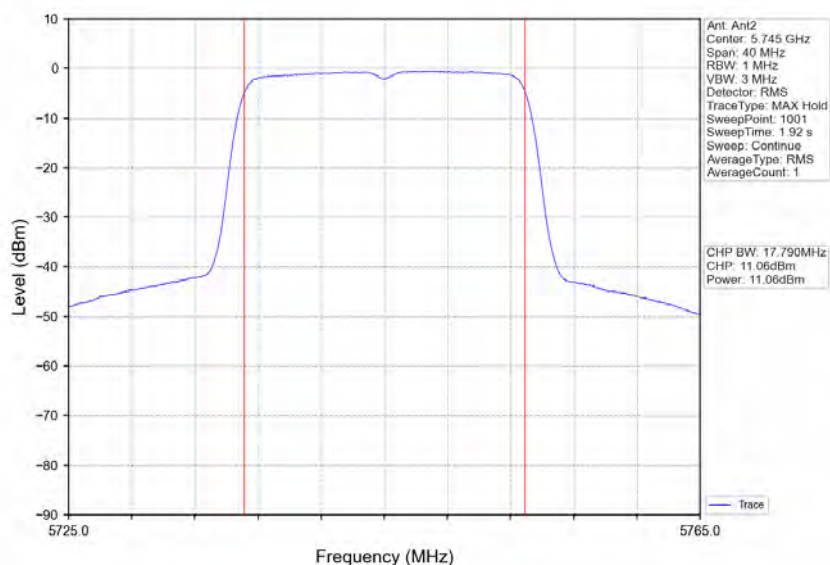
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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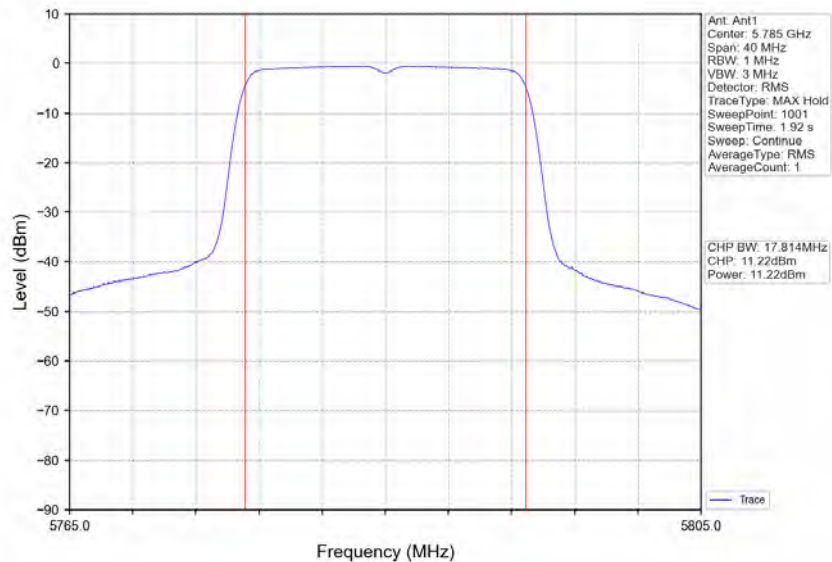
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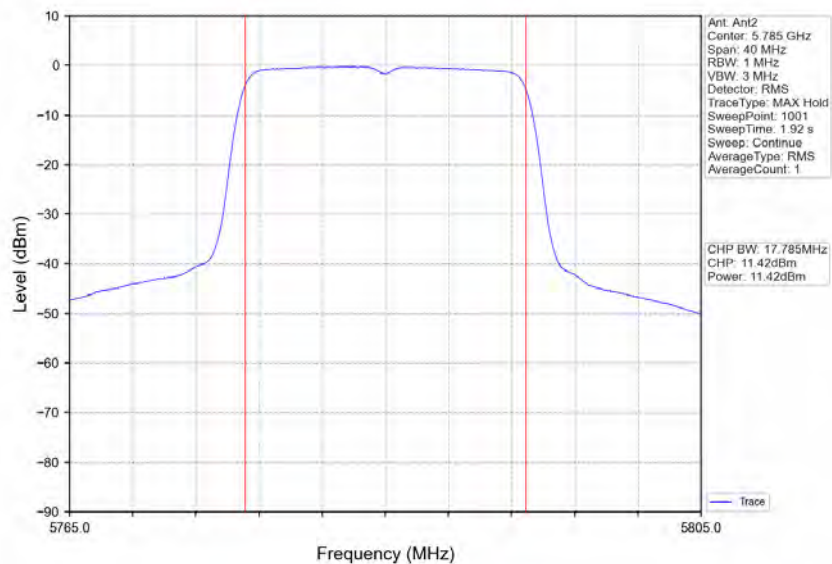
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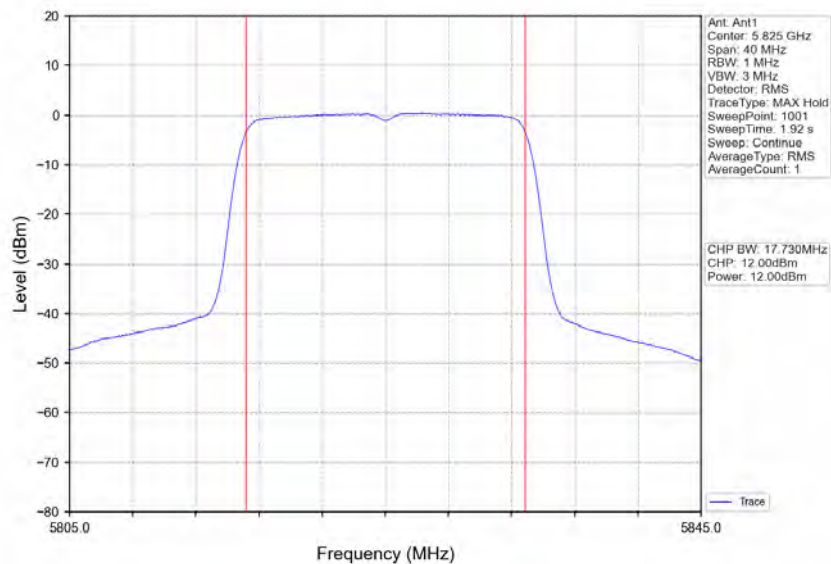
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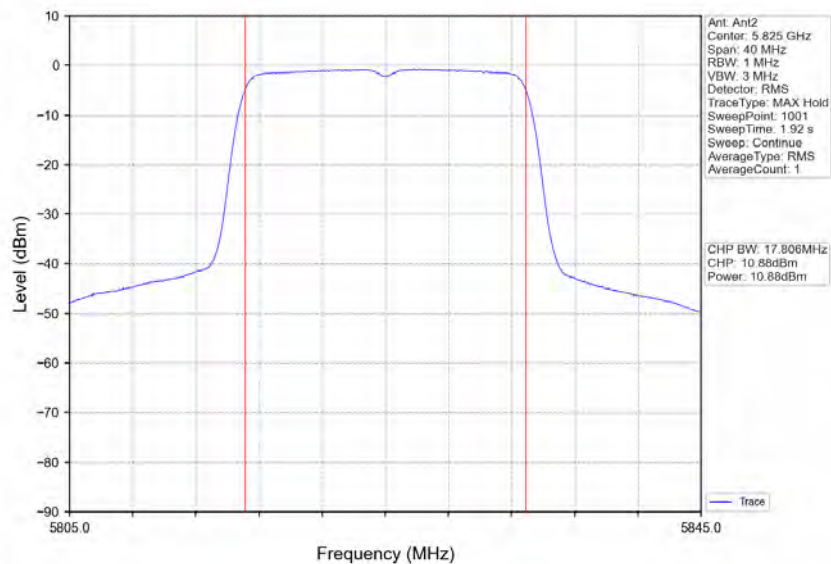
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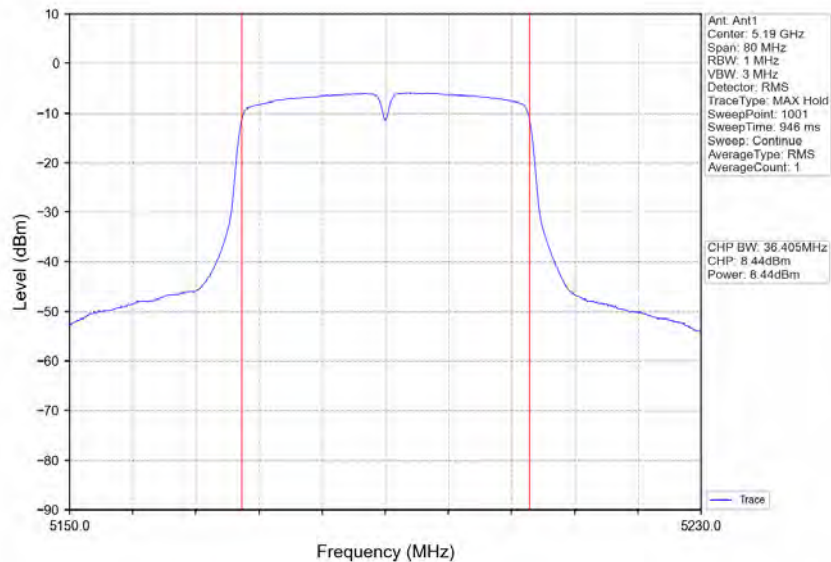
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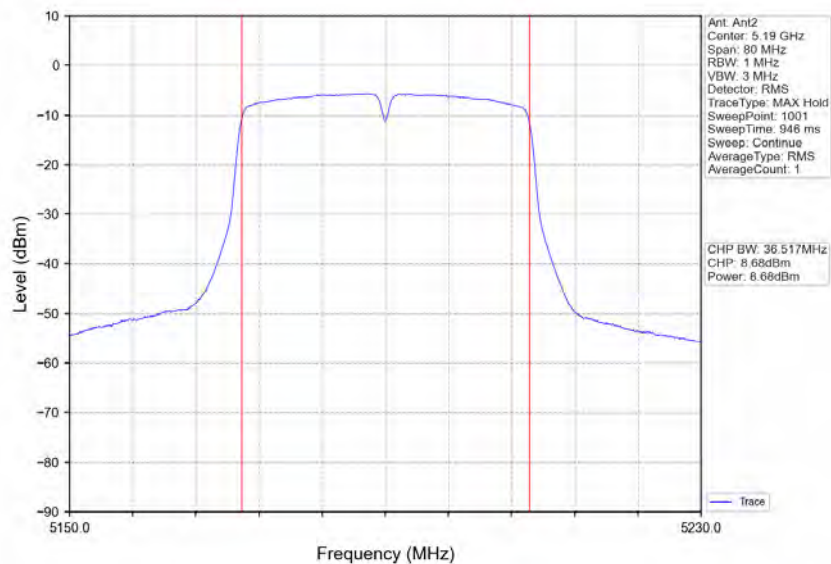
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802.11n(HT40) LCH 5190MHz Ant2 NTN



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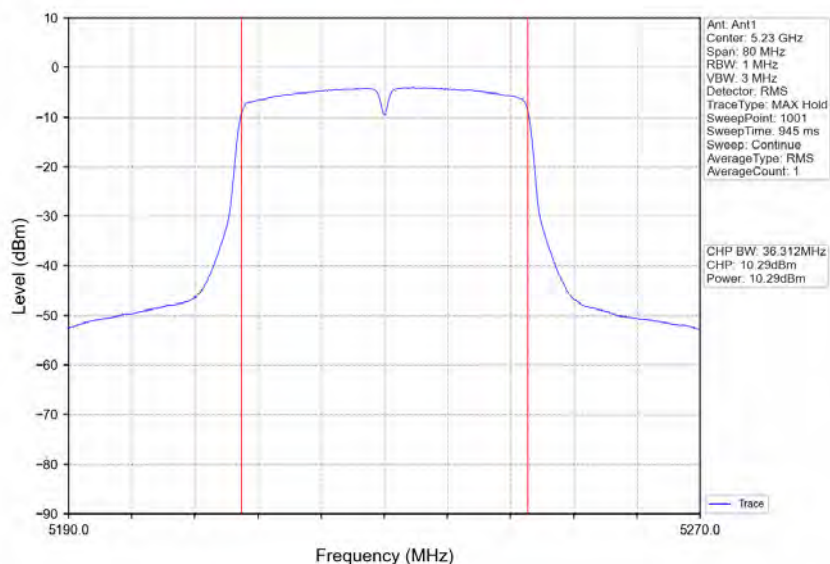
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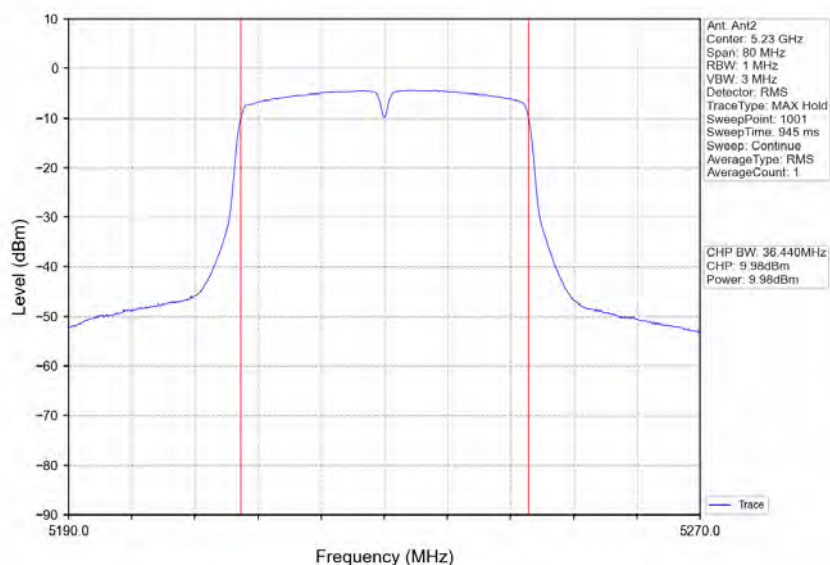
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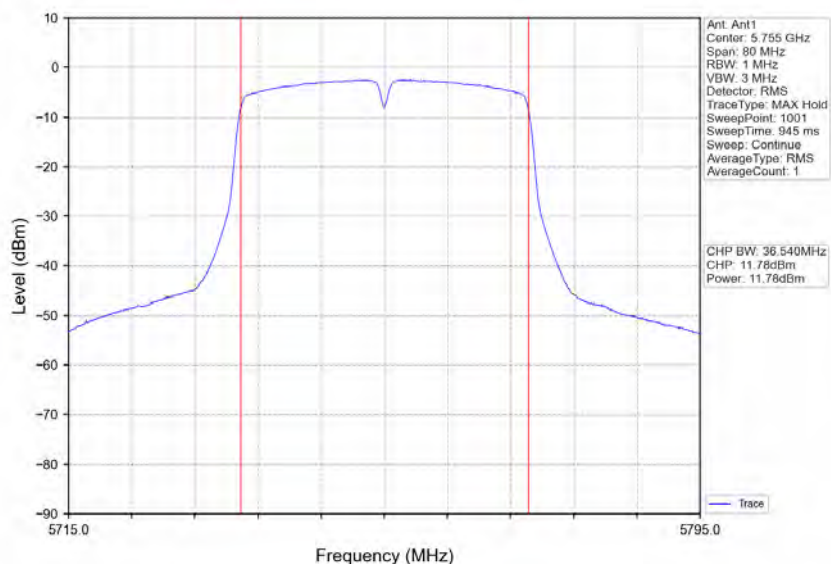
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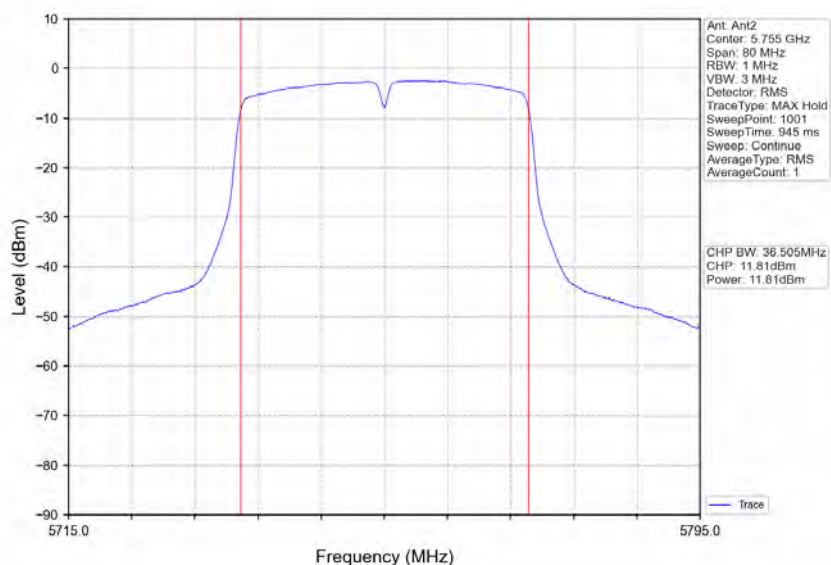
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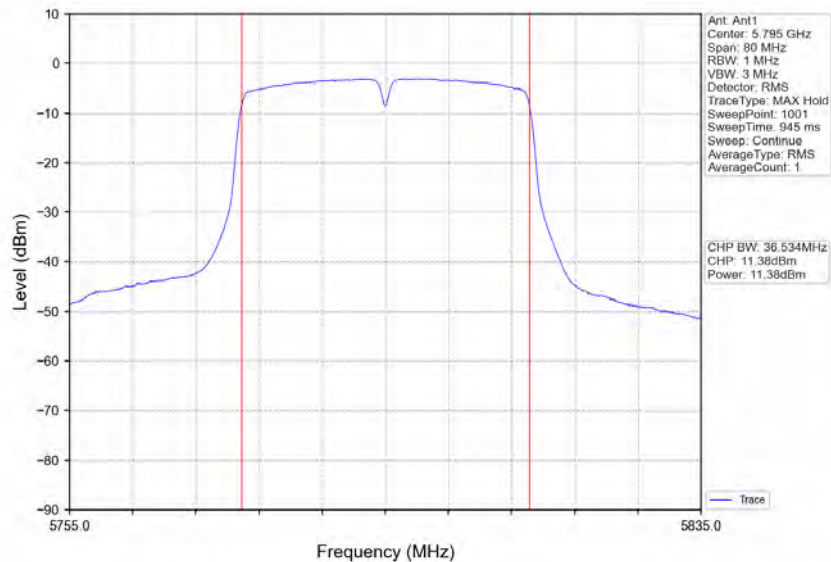
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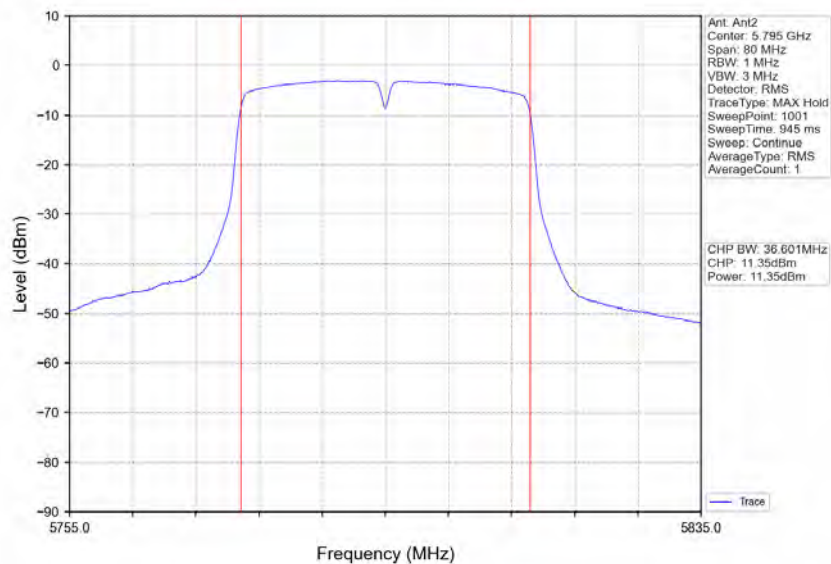
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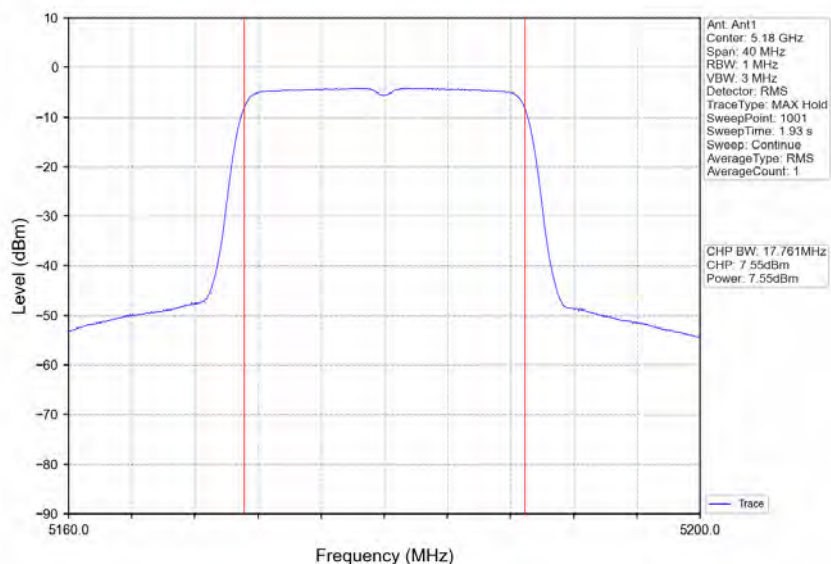
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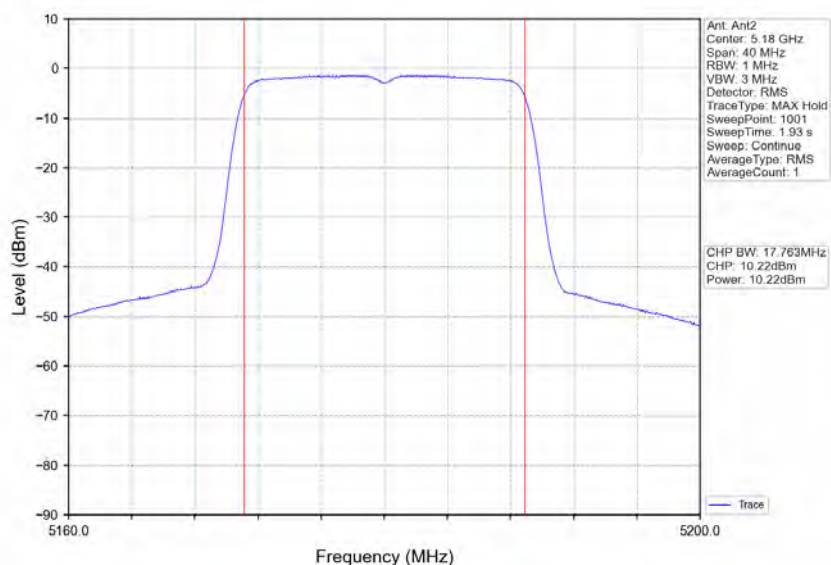
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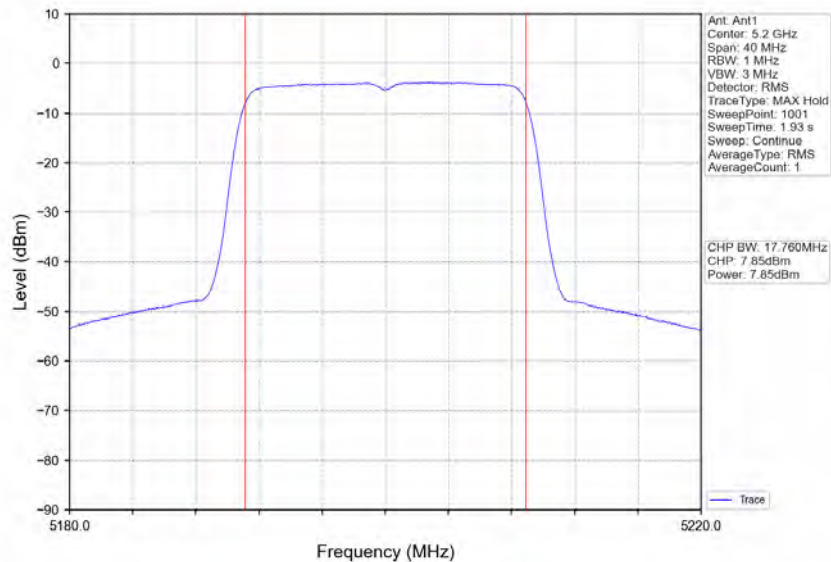
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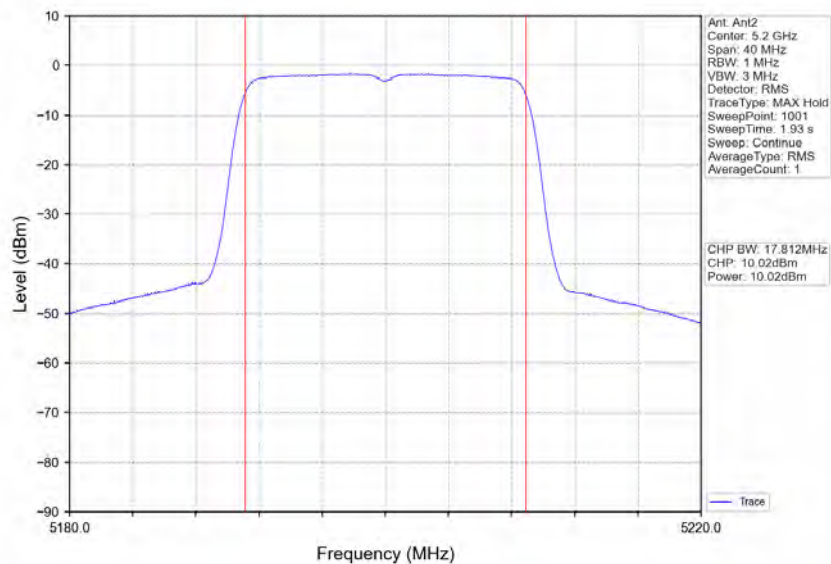
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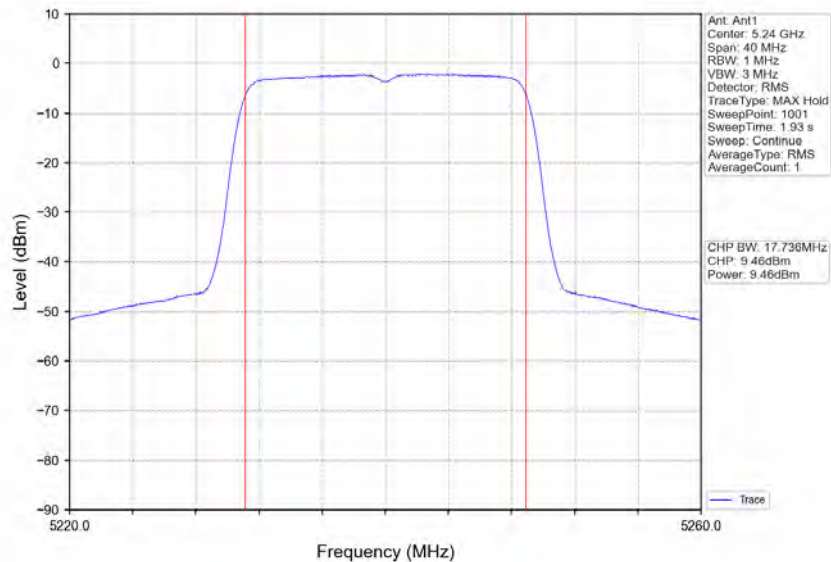


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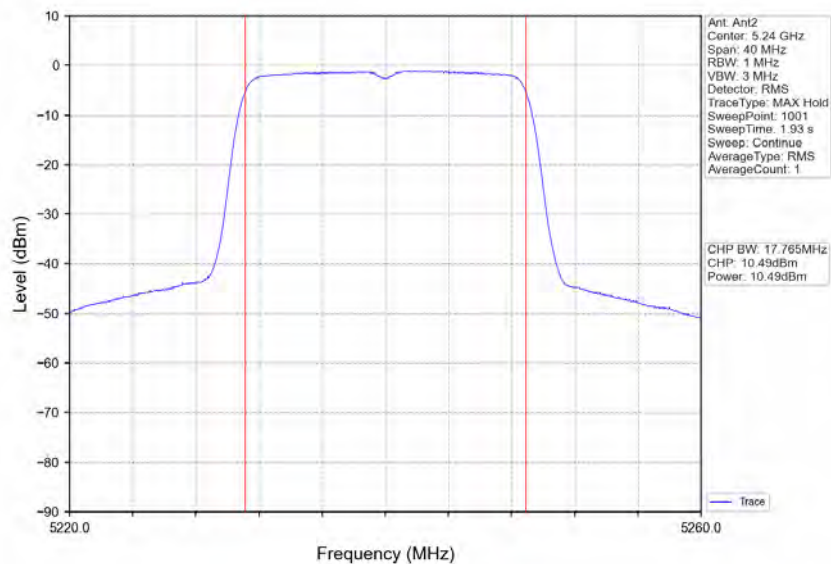
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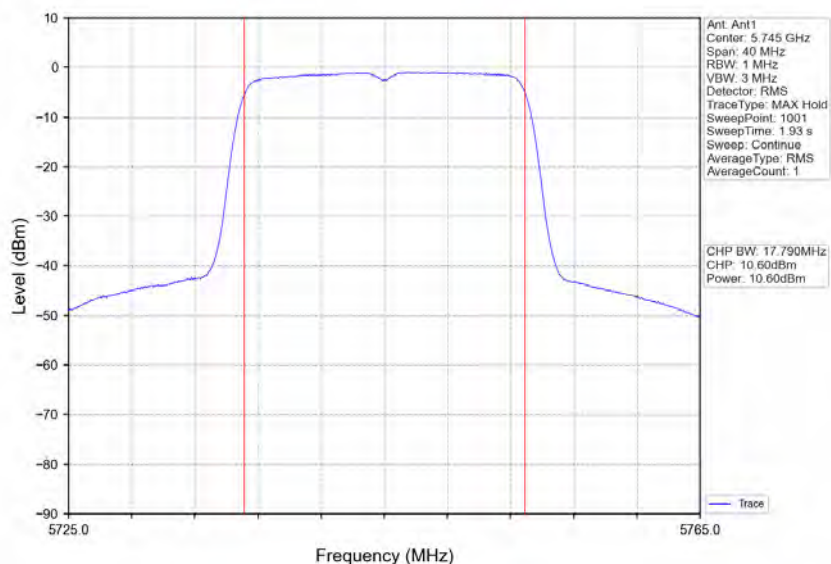
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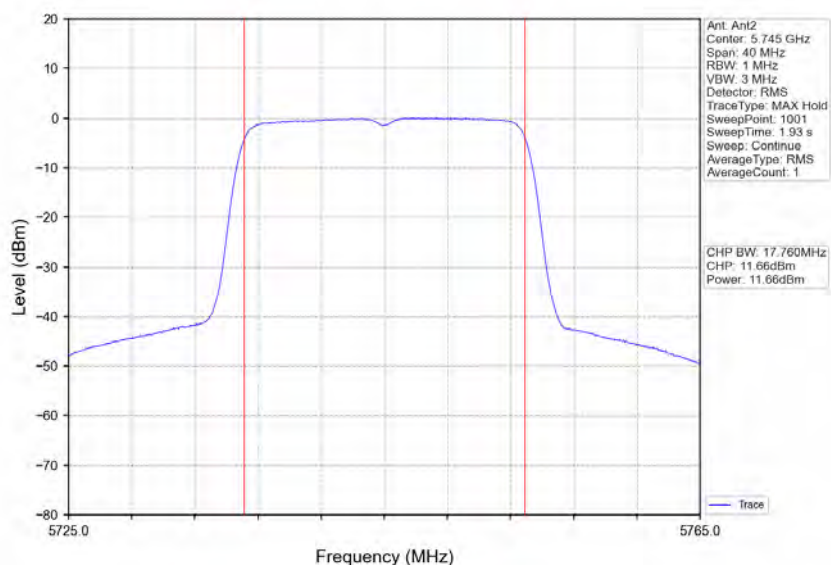
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



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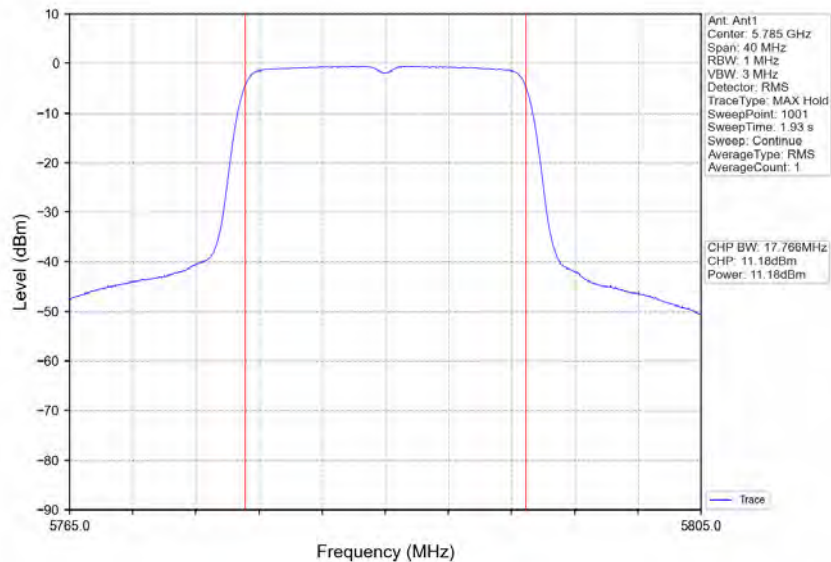
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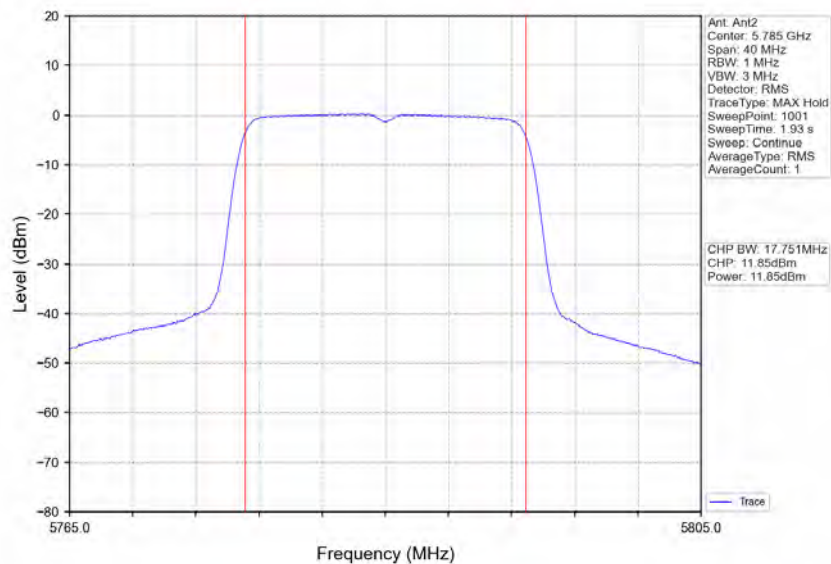
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



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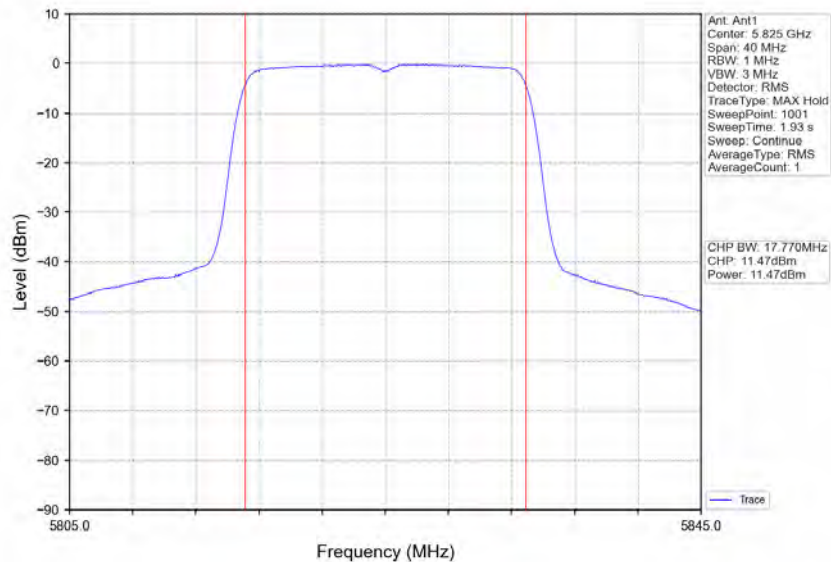
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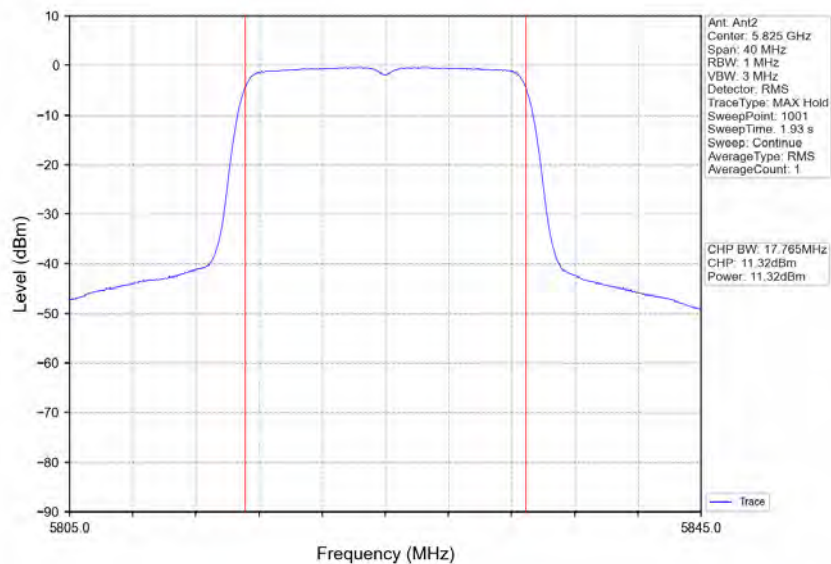
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



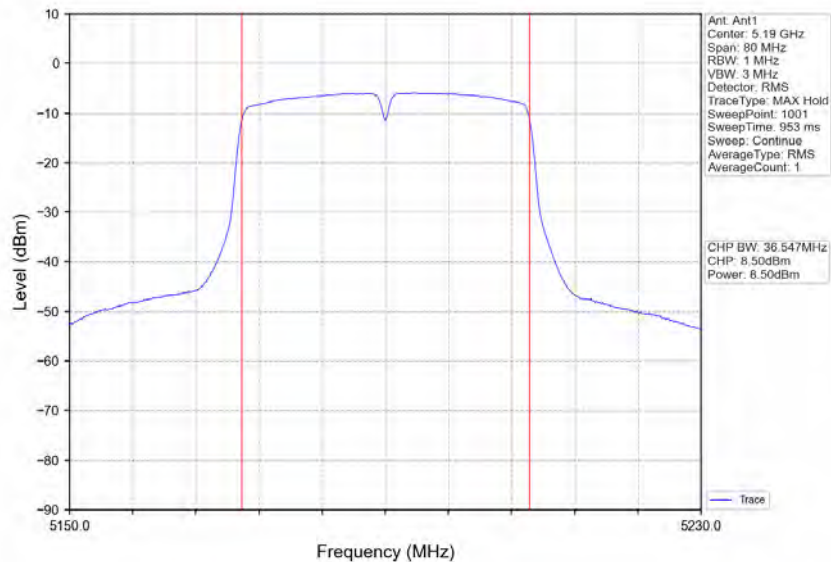
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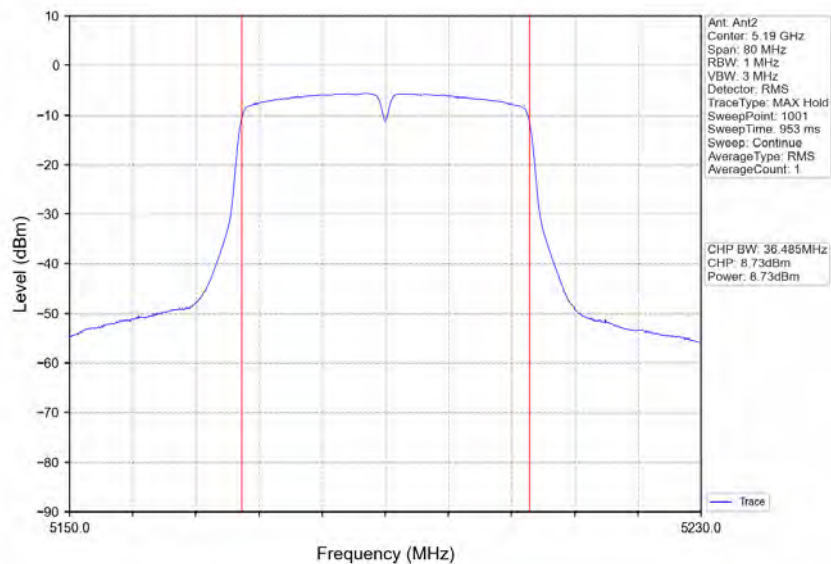
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant2 NTN



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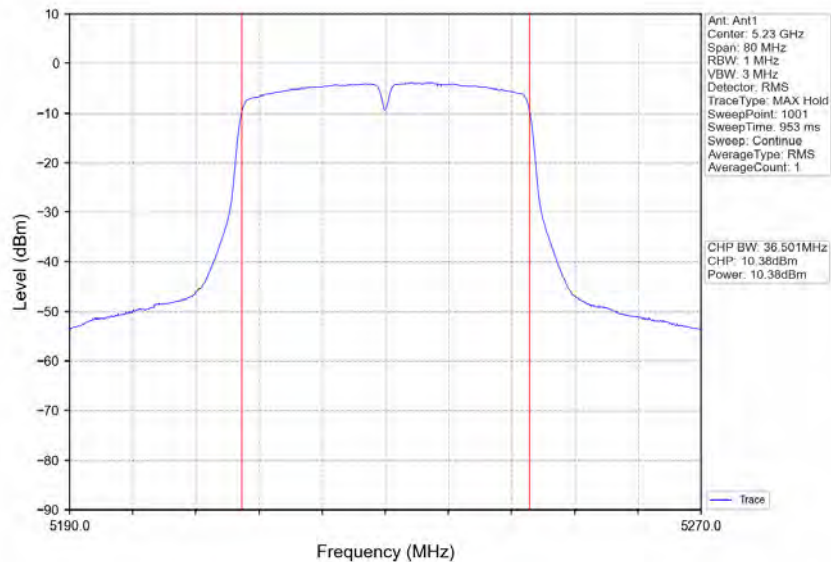
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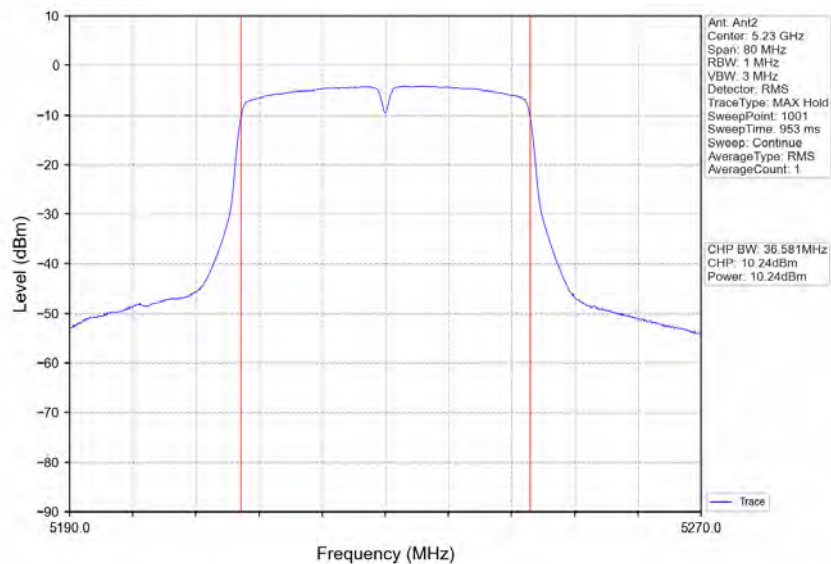
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



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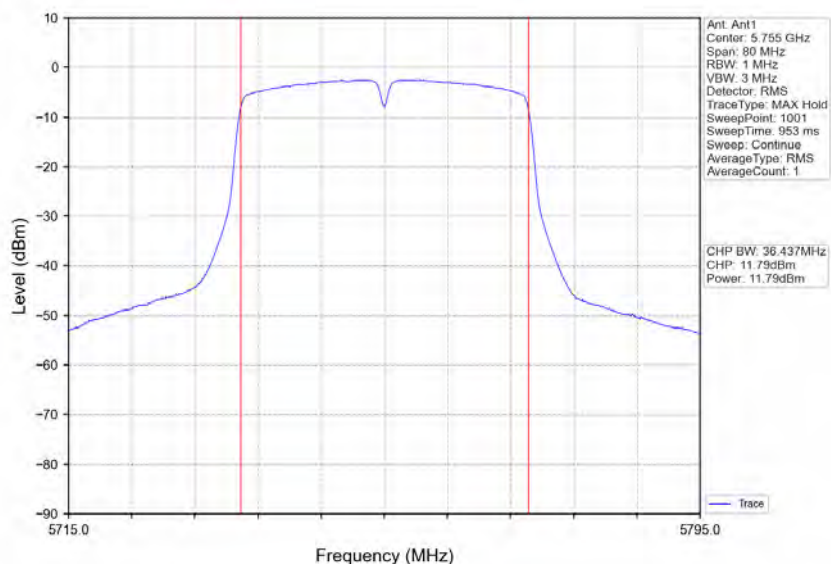
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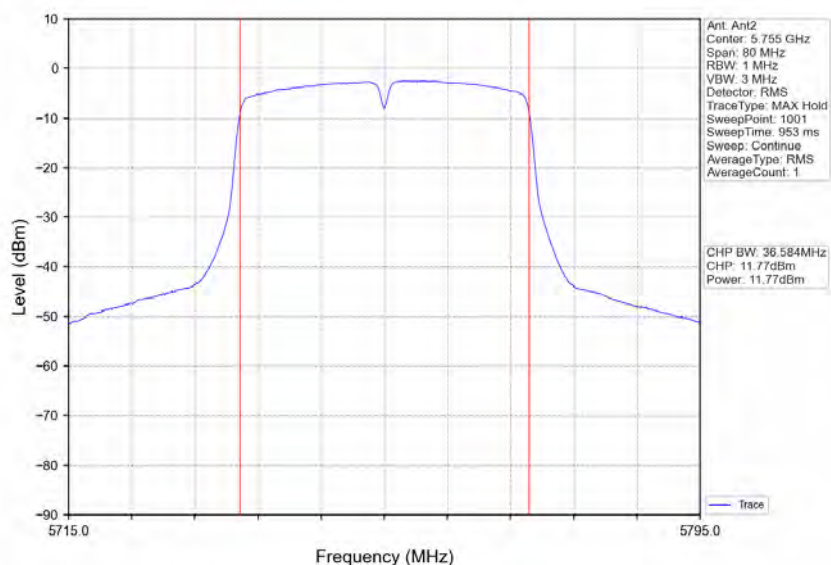
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant2 NTN



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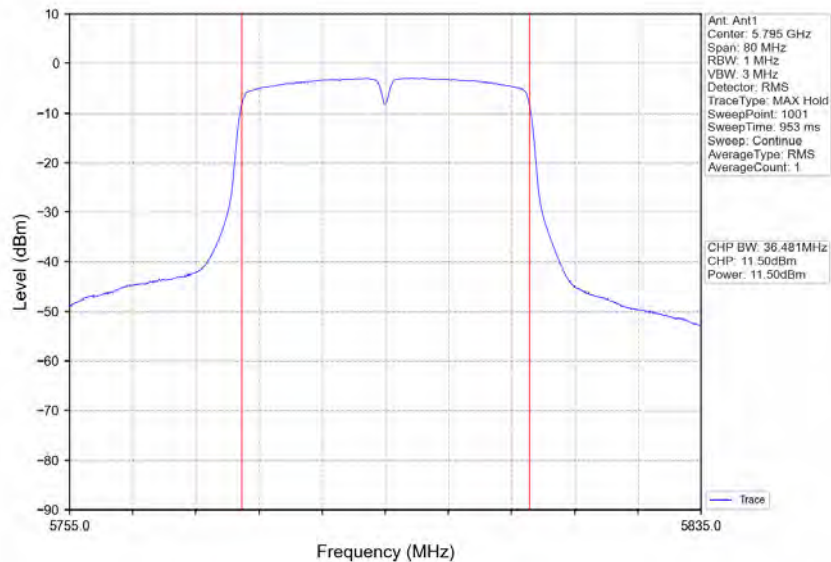
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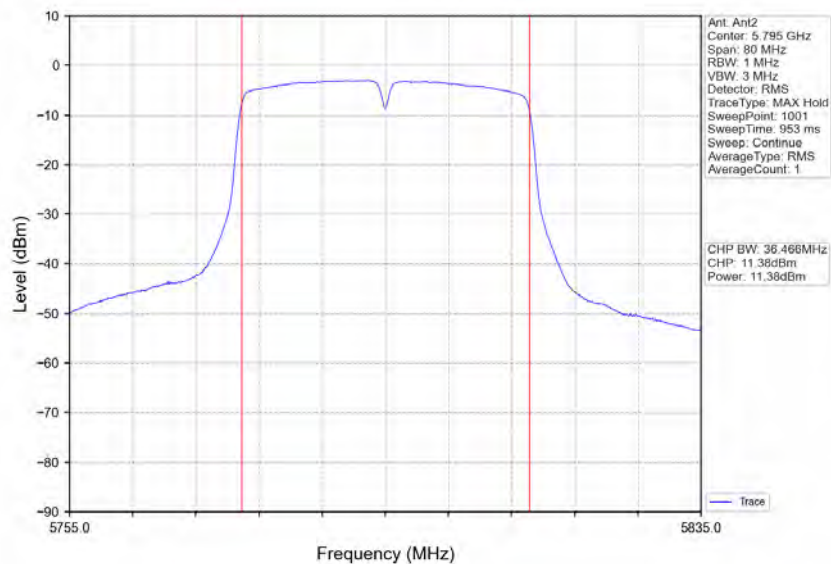
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV

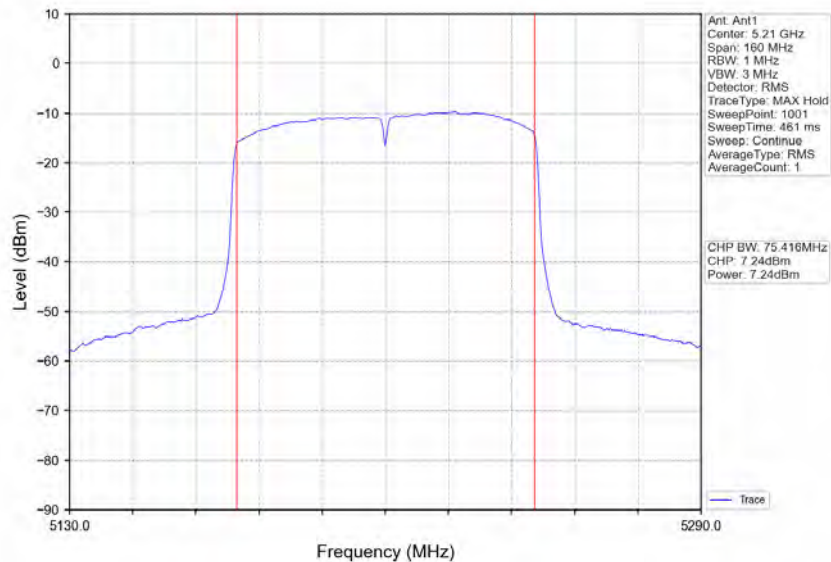


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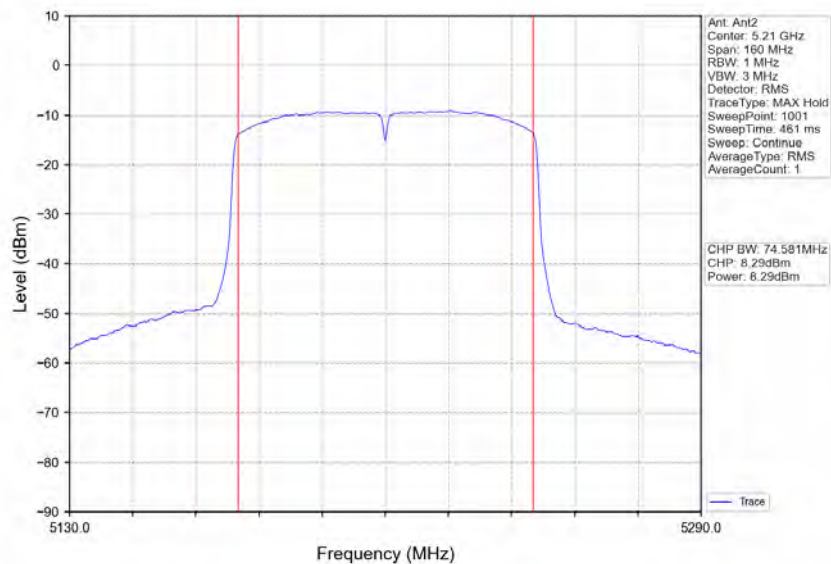
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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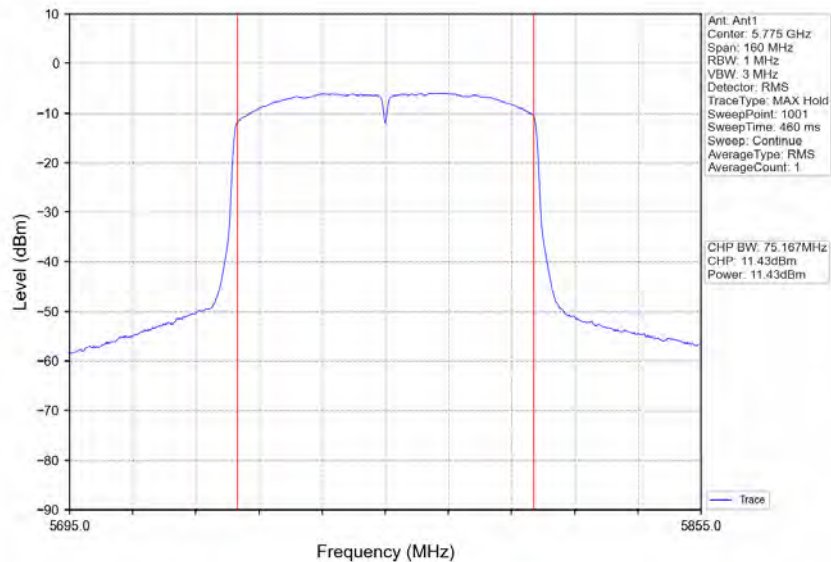
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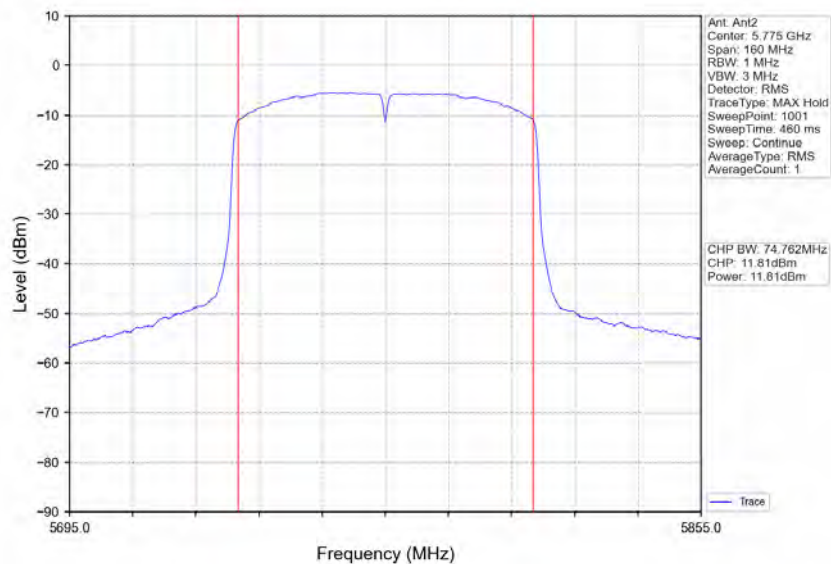
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	-2.31	-1.53	/	<=11	Pass
		5200	-1.92	-1.70	/	<=11	Pass
		5240	-0.79	-1.02	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-2.77	-1.99	0.57	<=10.65	Pass
		5200	-2.34	-2.25	0.65	<=10.65	Pass
		5240	-1.18	-1.64	1.53	<=10.65	Pass
802.11n (HT40)	MIMO	5190	-5.94	-5.60	-2.86	<=10.65	Pass
		5230	-3.89	-4.35	-1.13	<=10.65	Pass
802.11ac (VHT20)	MIMO	5180	-3.96	-1.43	0.45	<=10.65	Pass
		5200	-3.76	-1.59	0.43	<=10.65	Pass
		5240	-2.05	-1.06	1.41	<=10.65	Pass
802.11ac (VHT40)	MIMO	5190	-5.89	-5.54	-2.81	<=10.65	Pass
		5230	-3.82	-4.12	-1.01	<=10.65	Pass
802.11ac (VHT80)	MIMO	5210	-9.69	-9.18	-6.44	<=10.65	Pass

Note1: Antenna Gain: Ant1: 3.06dBi; Ant2: 3.60dBi;

4.1.2 Test Result for IC

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			EIRP PSD (dBm/MHz)			Limit	Verdict
			Ant1	Ant2	MIMO	Ant1	Ant2	MIMO		
802.11a	SISO	5180	-2.31	-1.53	/	0.75	2.07	/	<=10	Pass
		5200	-1.92	-1.70	/	1.14	1.90	/	<=10	Pass
		5240	-0.79	-1.02	/	2.27	2.58	/	<=10	Pass
802.11n (HT20)	MIMO	5180	-2.77	-1.99	0.57	0.29	1.61	4.01	<=10	Pass
		5200	-2.34	-2.25	0.65	0.72	1.35	4.06	<=10	Pass
		5240	-1.18	-1.64	1.53	1.88	1.96	4.93	<=10	Pass
802.11n (HT40)	MIMO	5190	-5.94	-5.60	-2.86	-2.88	-2.00	0.59	<=10	Pass
		5230	-3.89	-4.35	-1.13	-0.83	-0.75	2.22	<=10	Pass
802.11ac (VHT20)	MIMO	5180	-3.96	-1.43	0.45	-0.90	2.17	3.91	<=10	Pass
		5200	-3.76	-1.59	0.43	-0.70	2.01	3.87	<=10	Pass
		5240	-2.05	-1.06	1.41	1.01	2.54	4.85	<=10	Pass
802.11ac (VHT40)	MIMO	5190	-5.89	-5.54	-2.81	-2.83	-1.94	0.65	<=10	Pass
		5230	-3.82	-4.12	-1.01	-0.76	-0.52	2.37	<=10	Pass
802.11ac (VHT80)	MIMO	5210	-9.69	-9.18	-6.44	-6.63	-5.58	-3.06	<=10	Pass

Note1: Antenna Gain: Ant1: 3.06dBi; Ant2: 3.60dBi;



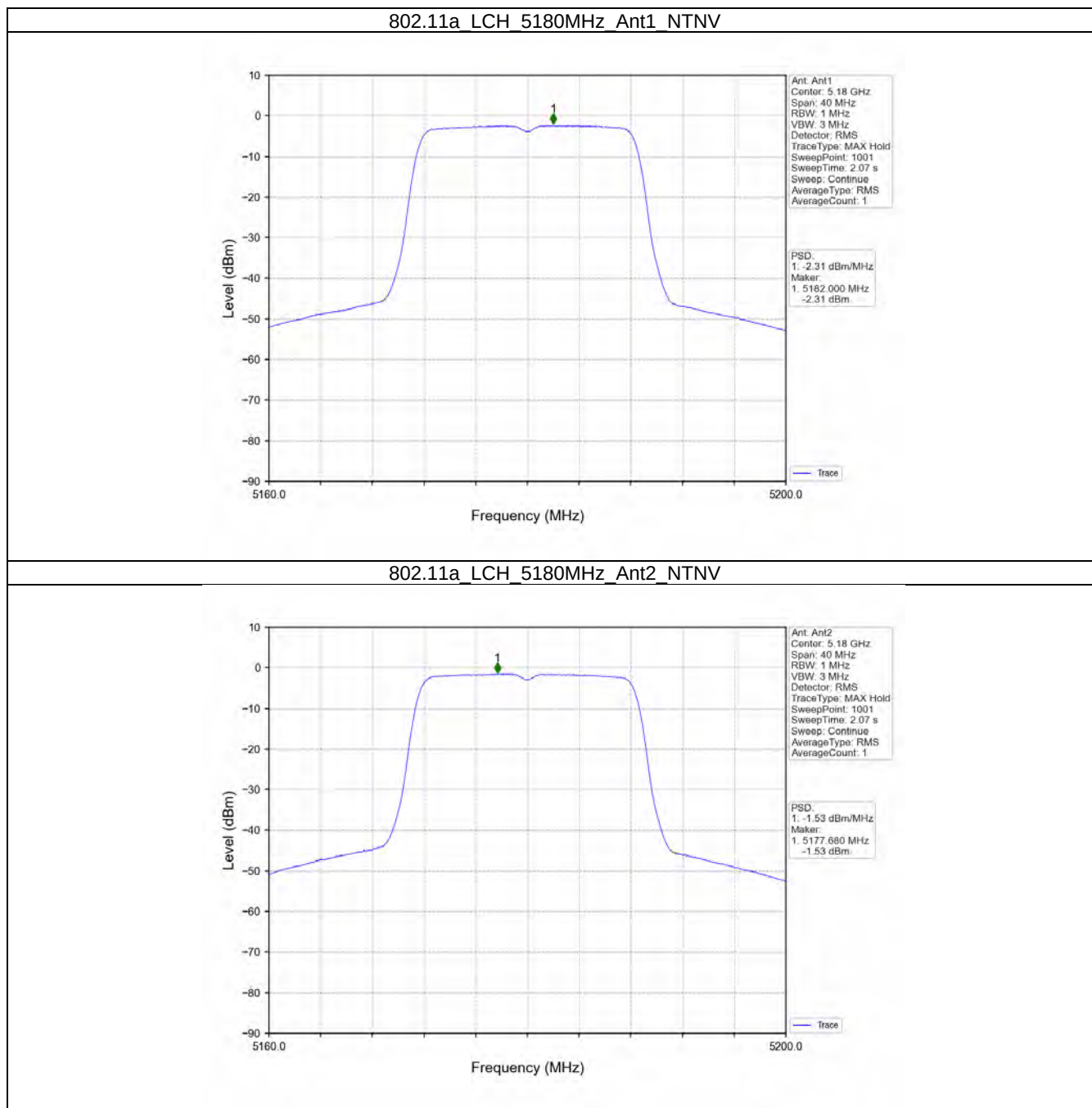
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4.1.3 Test Graph



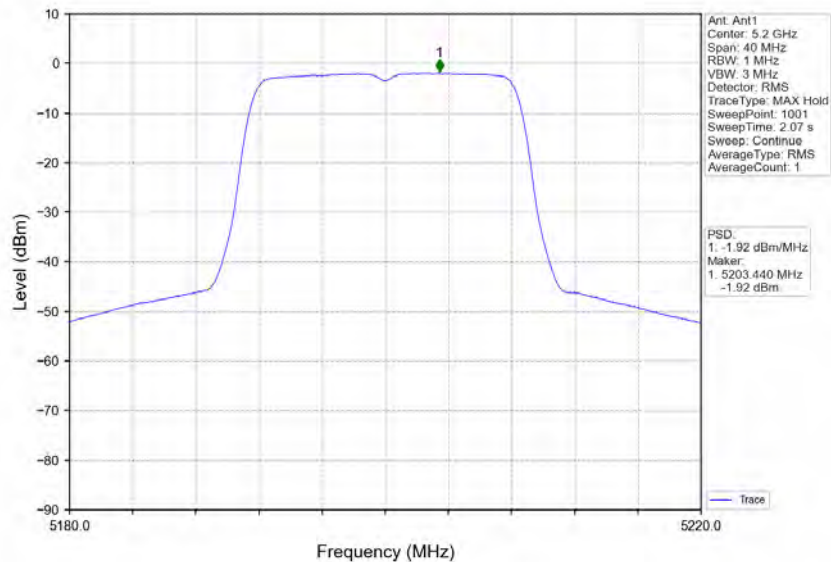
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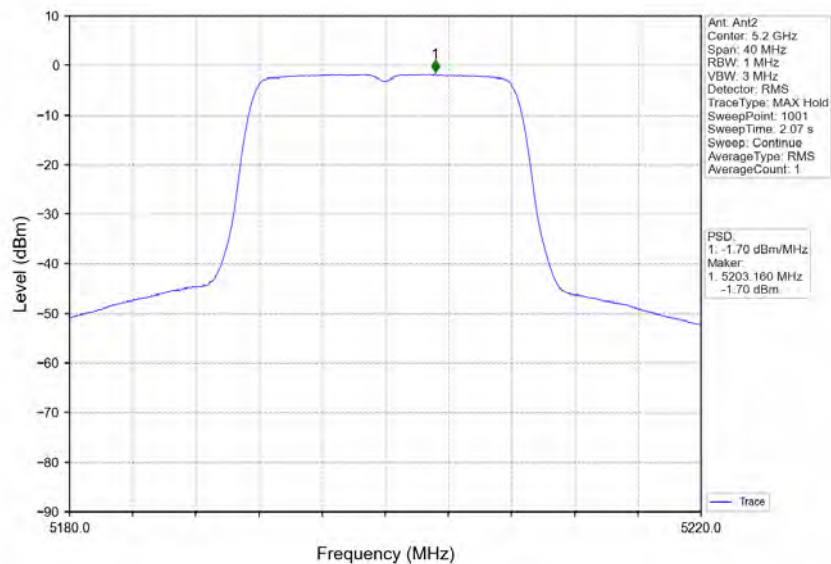
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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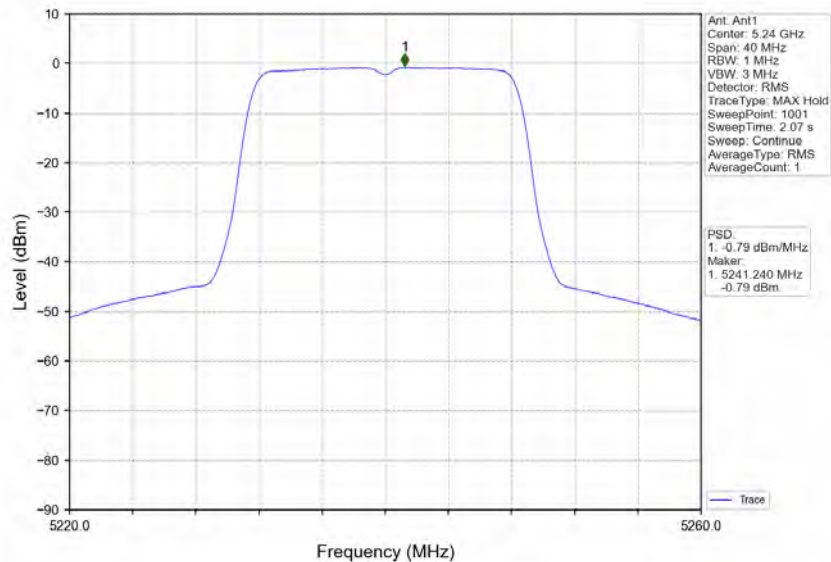
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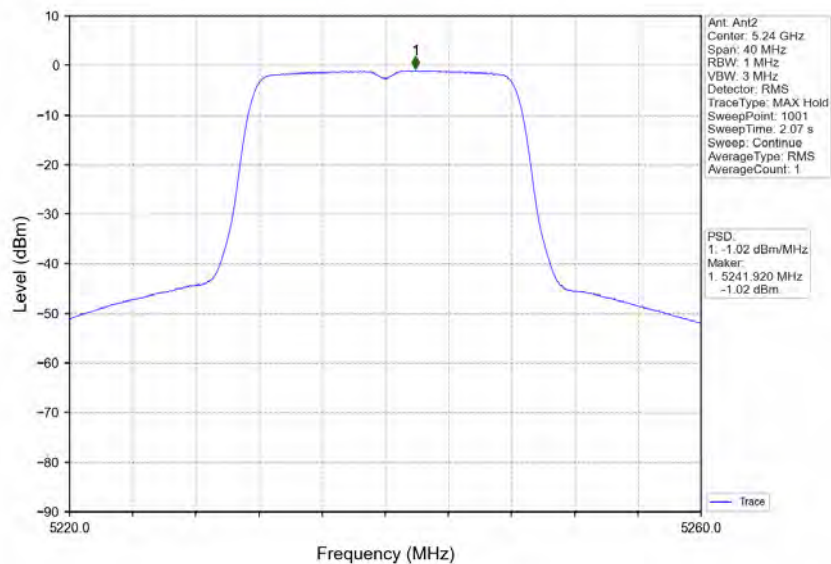
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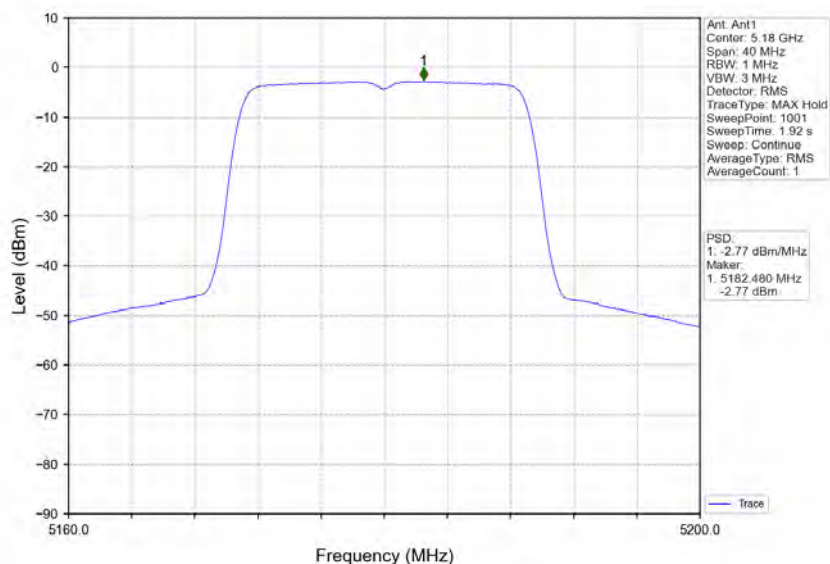
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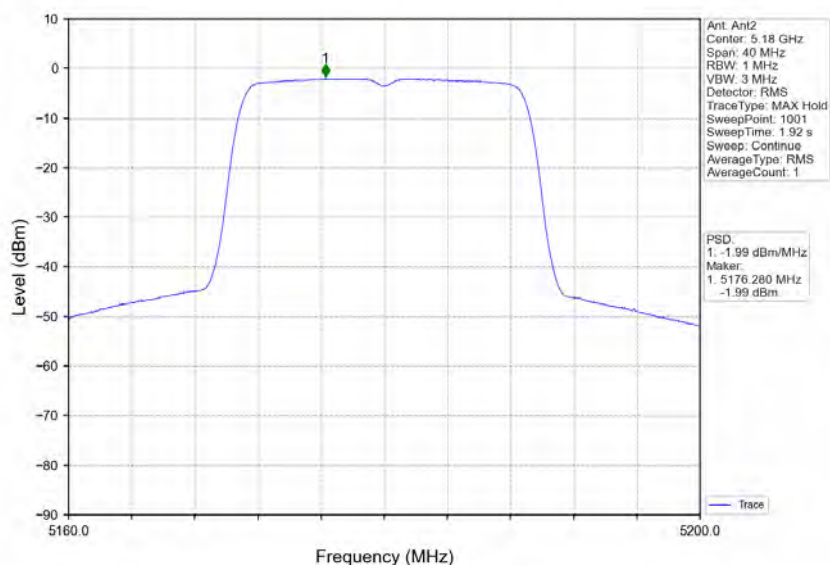
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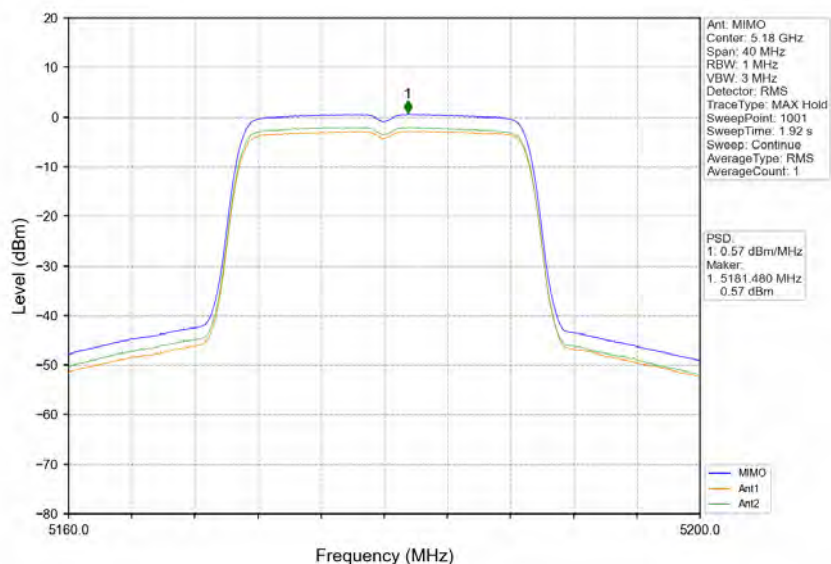
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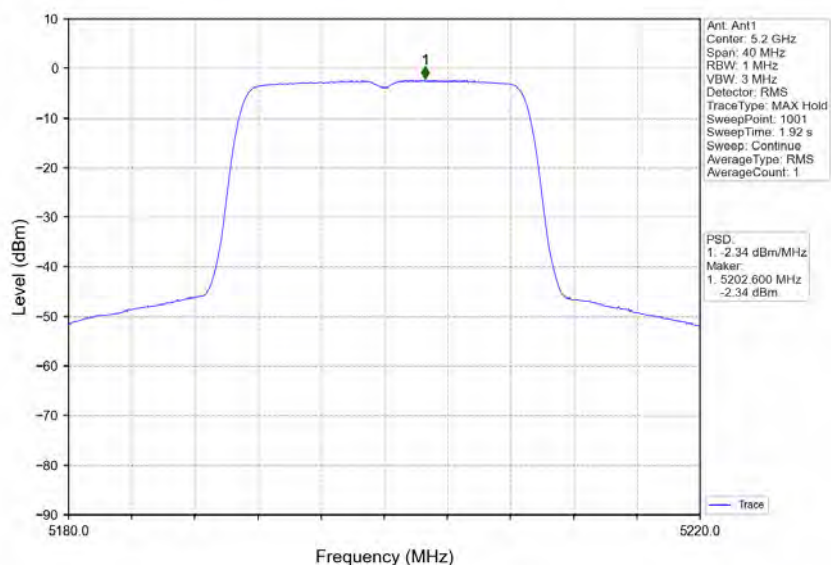
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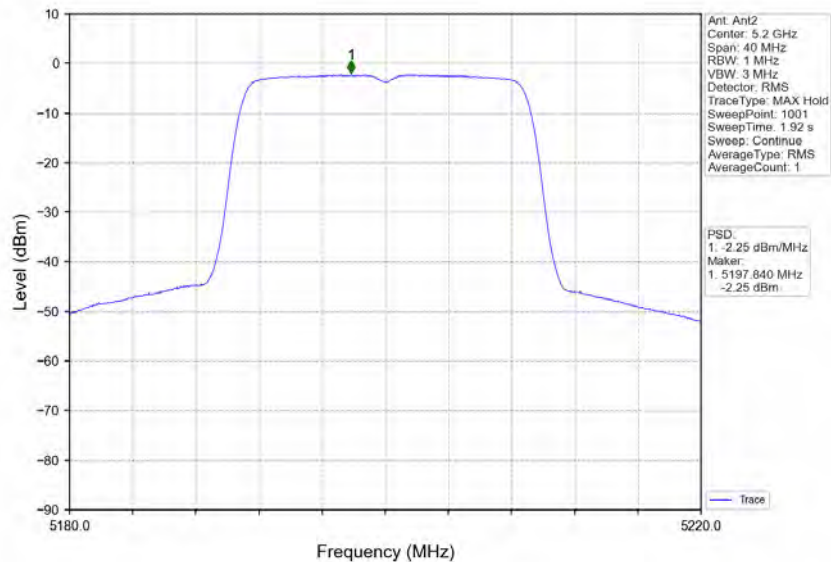
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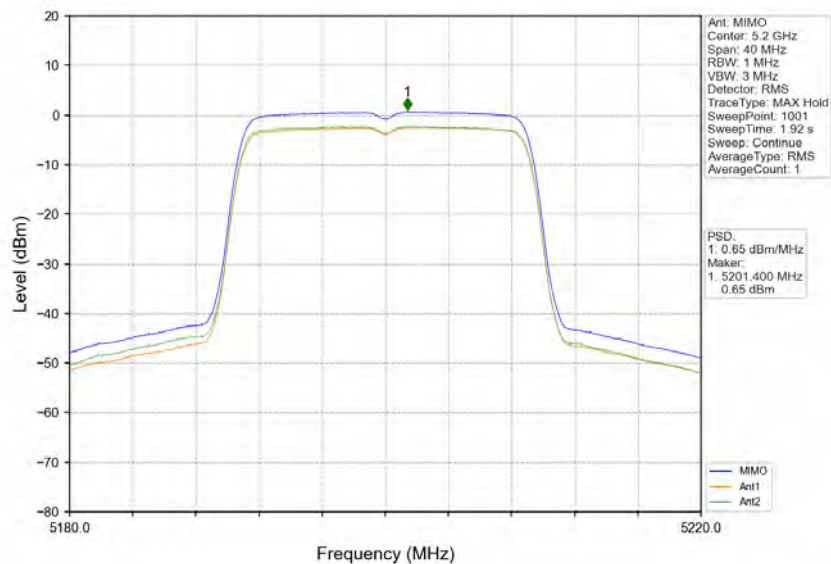
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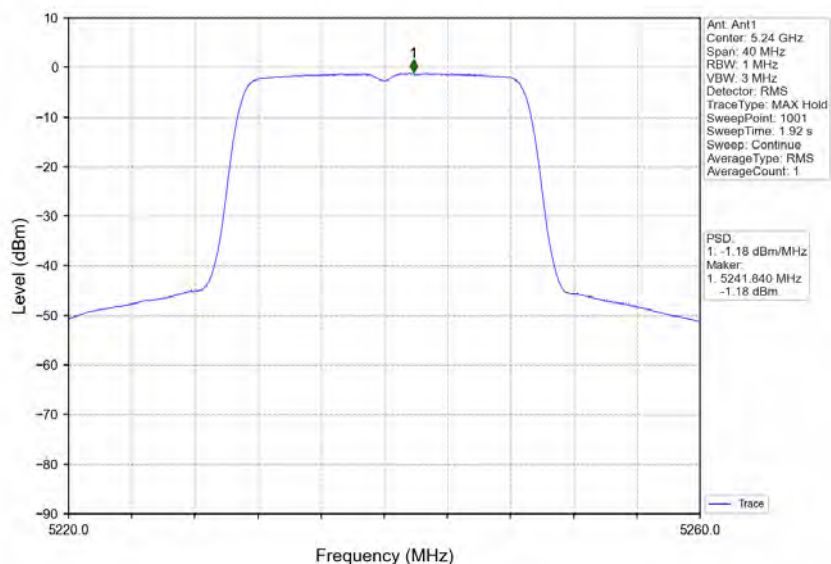
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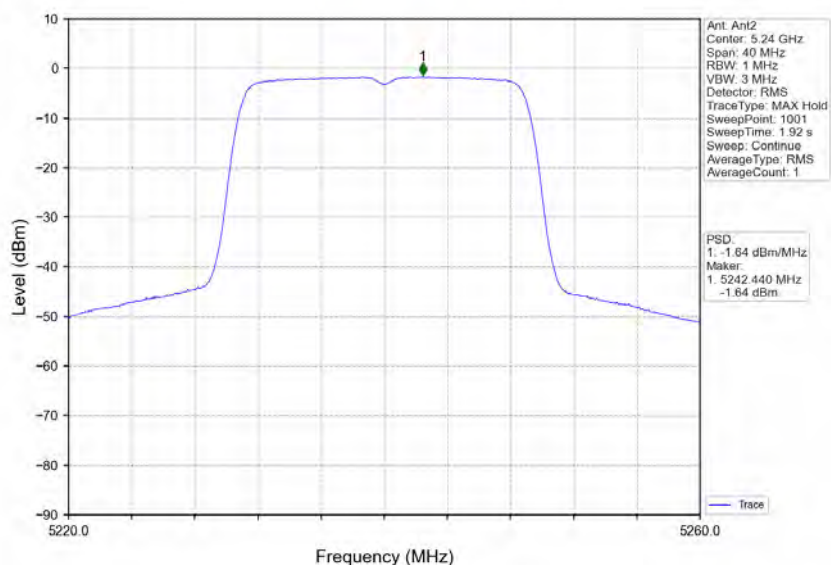
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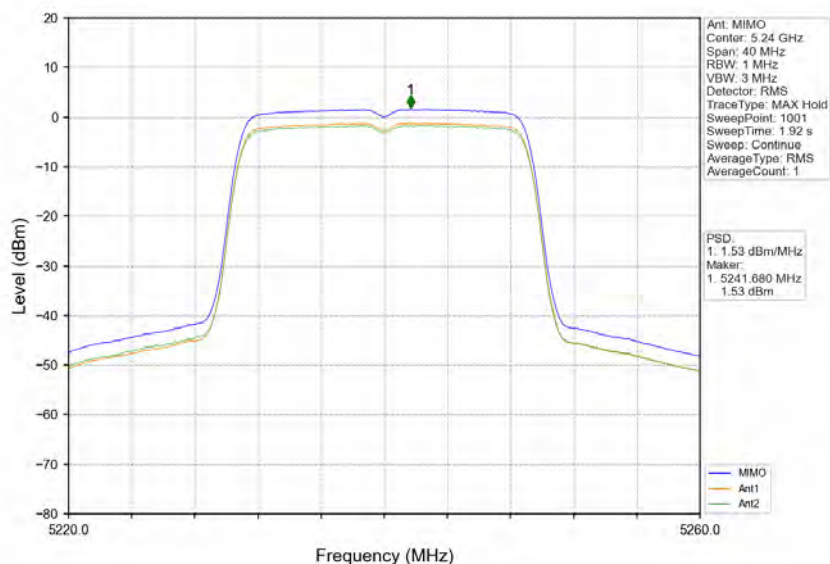
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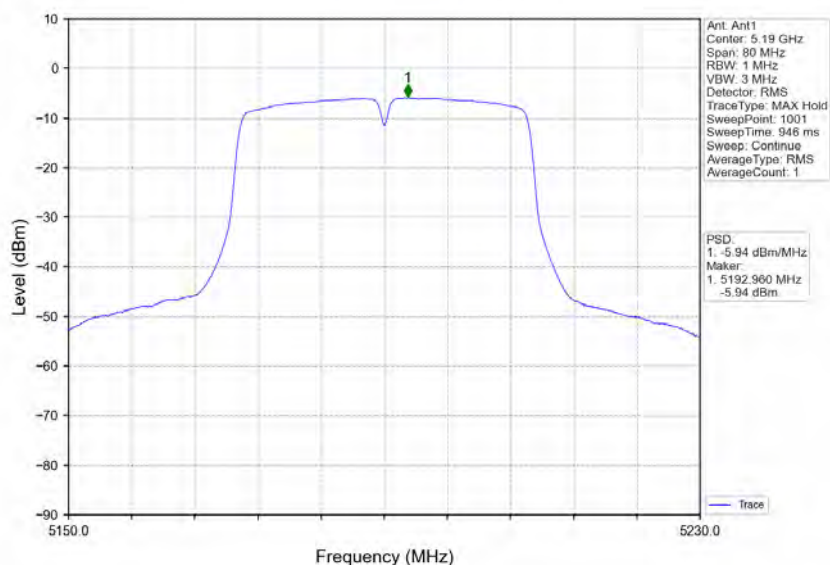
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802.11n(HT20) HCH 5240MHz MIMO_NTNV



802.11n(HT40) LCH 5190MHz_Ant1_NTNV



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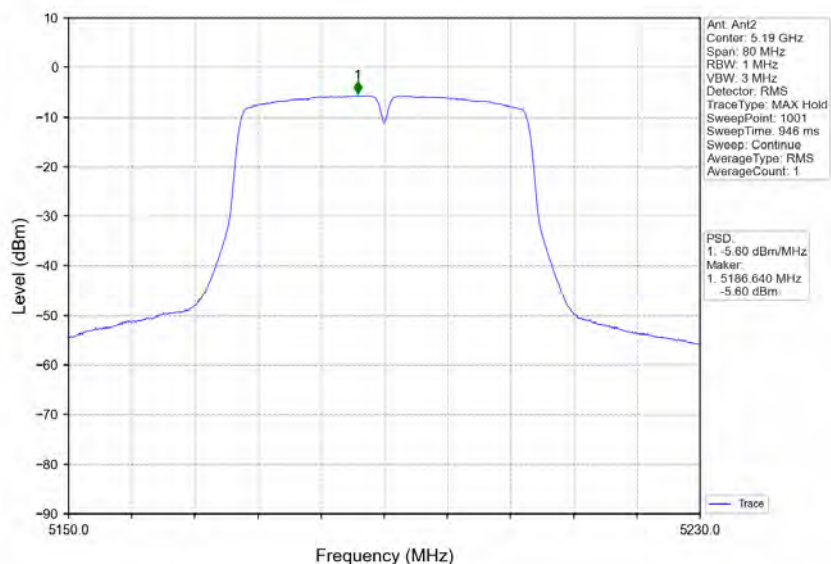
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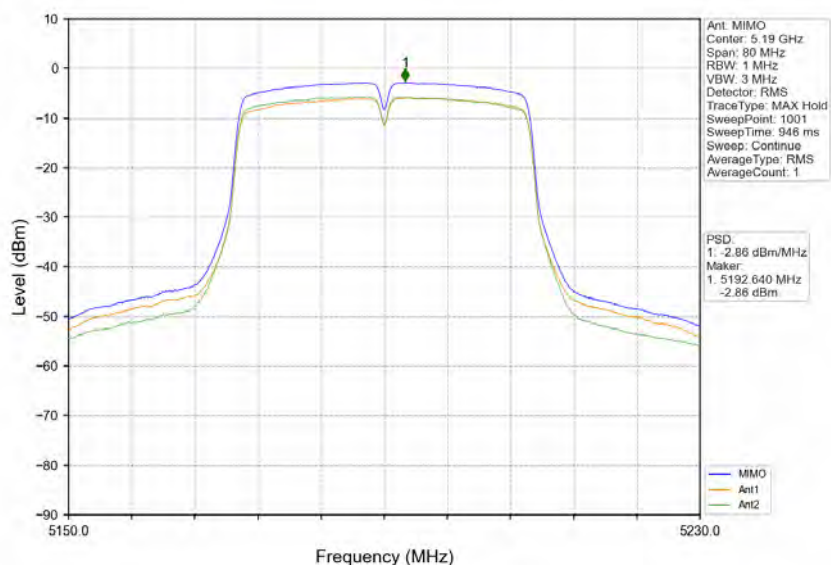
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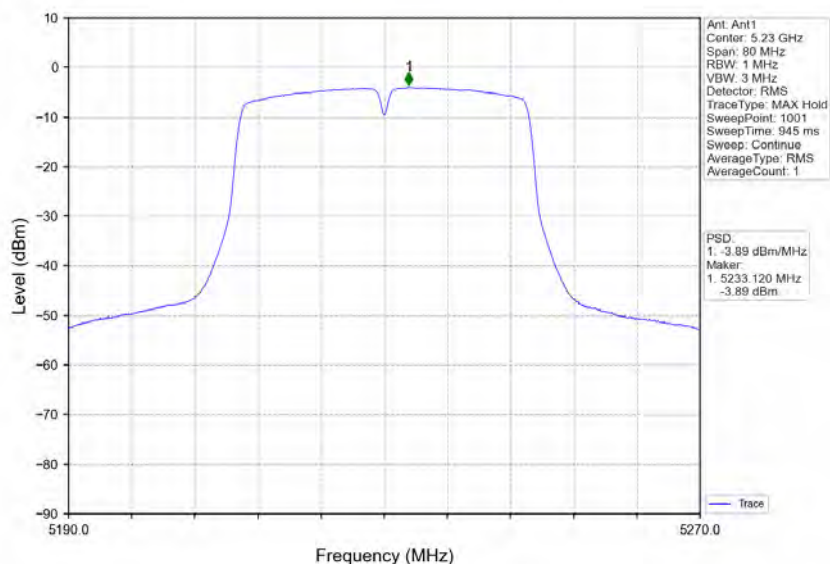
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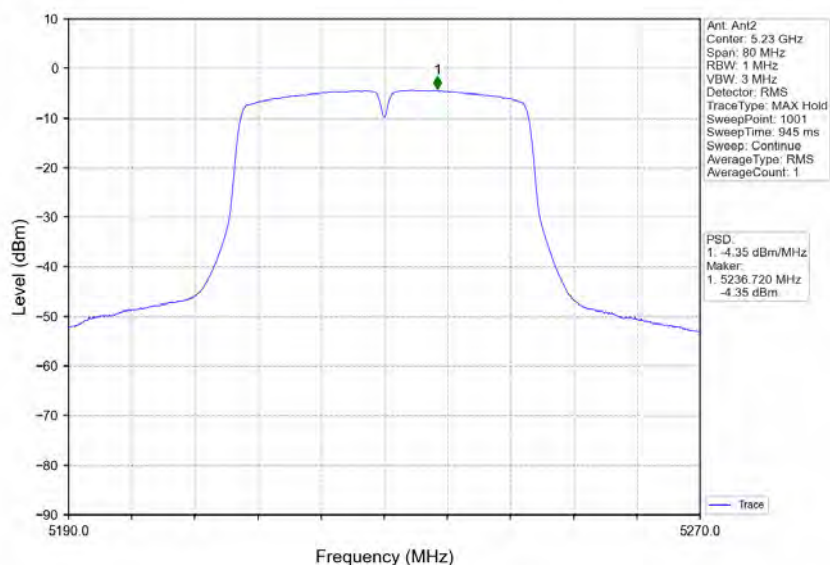
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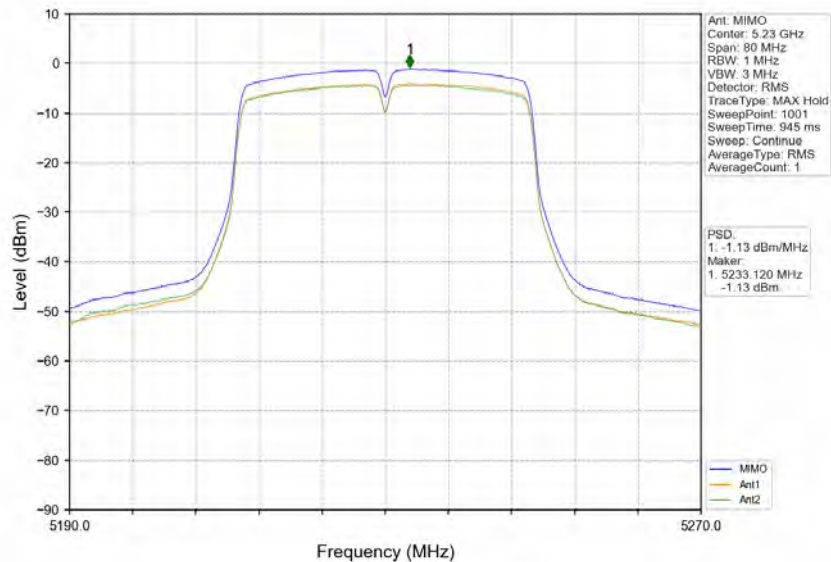
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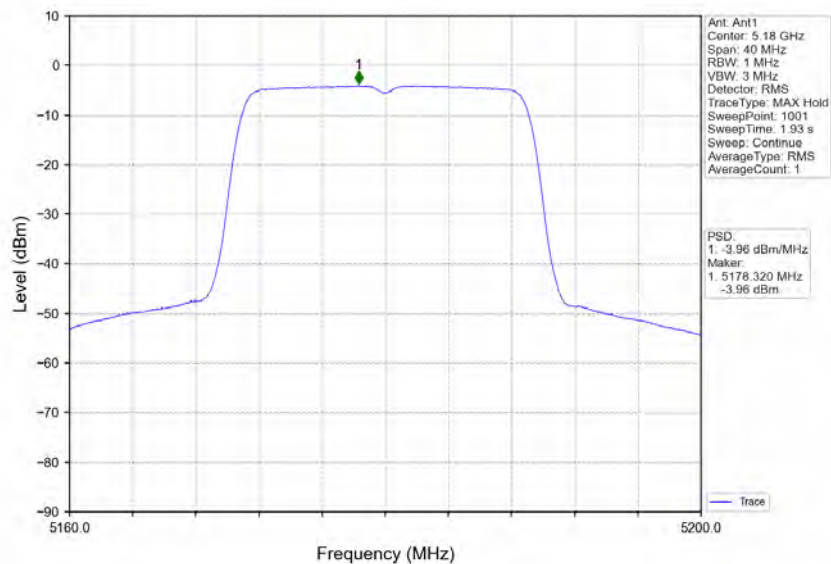
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802.11n(HT40) HCH 5230MHz MIMO_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



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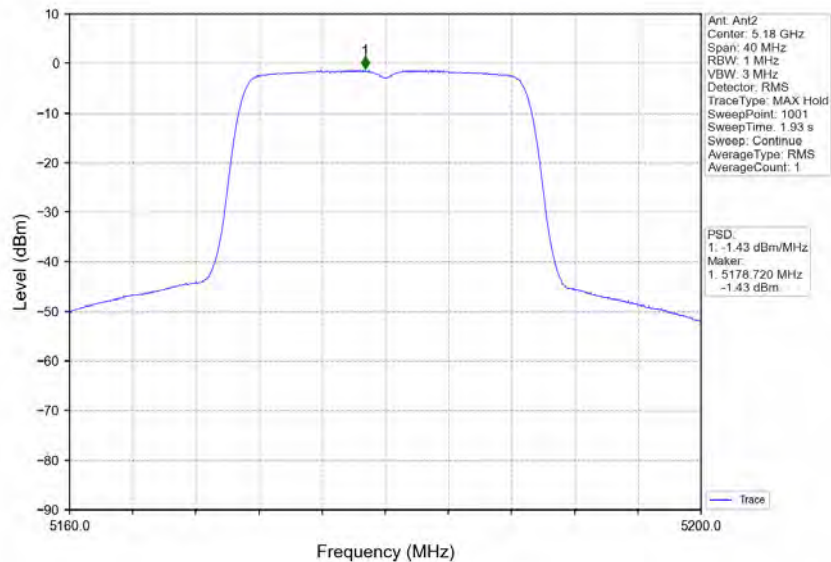
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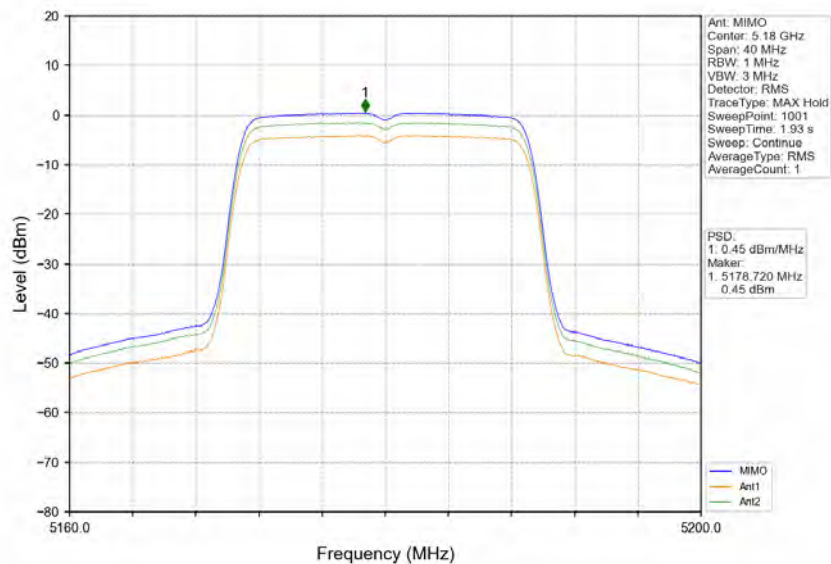
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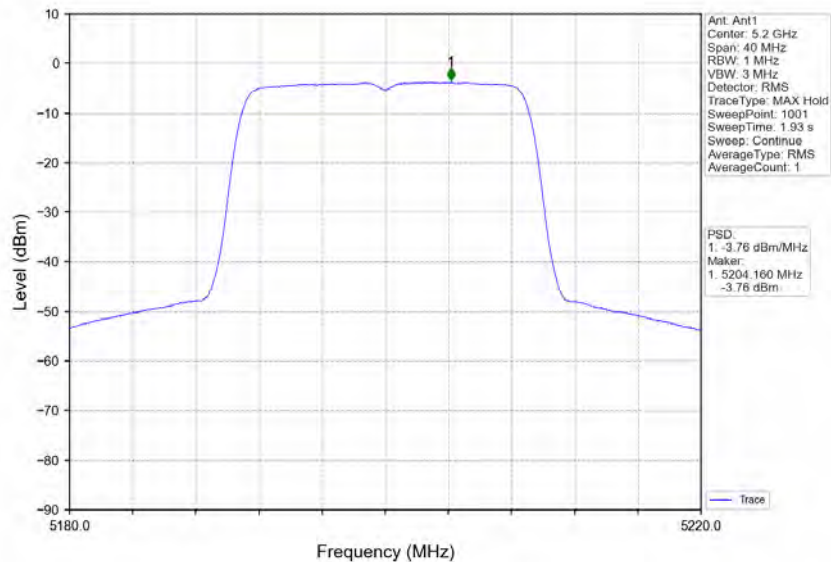
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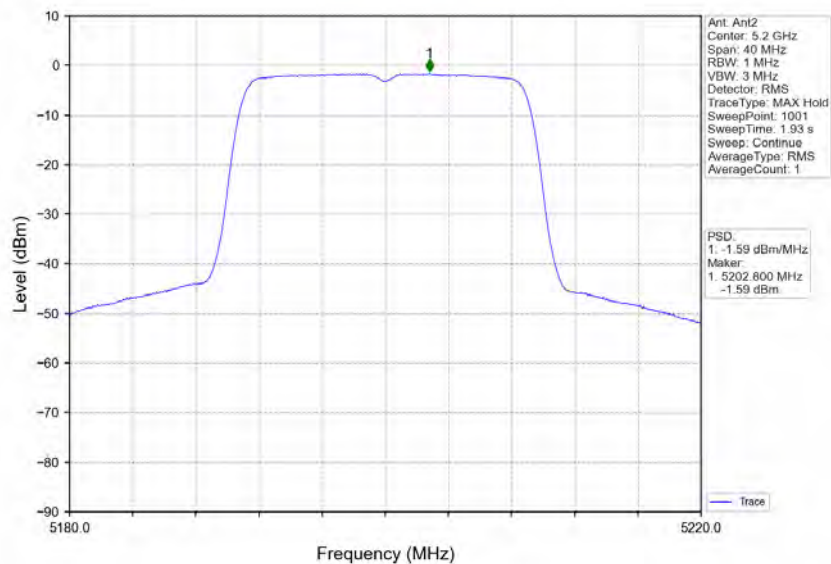
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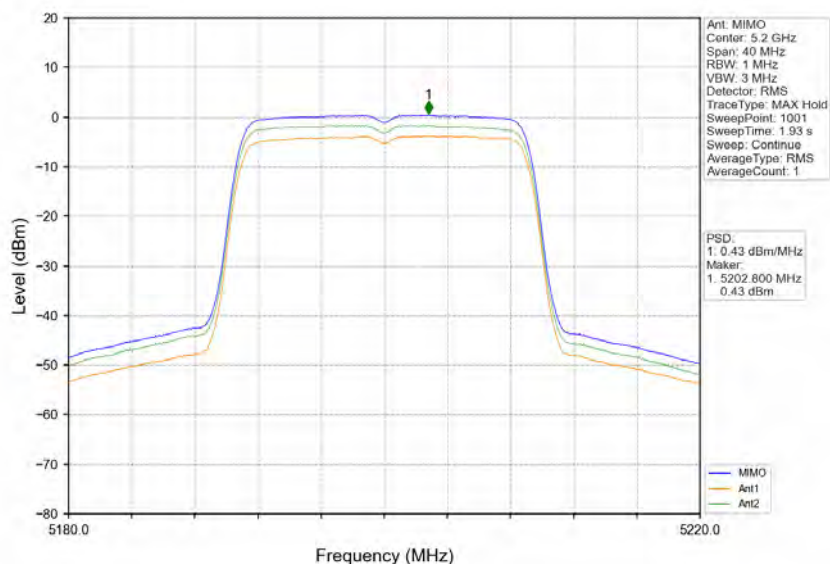
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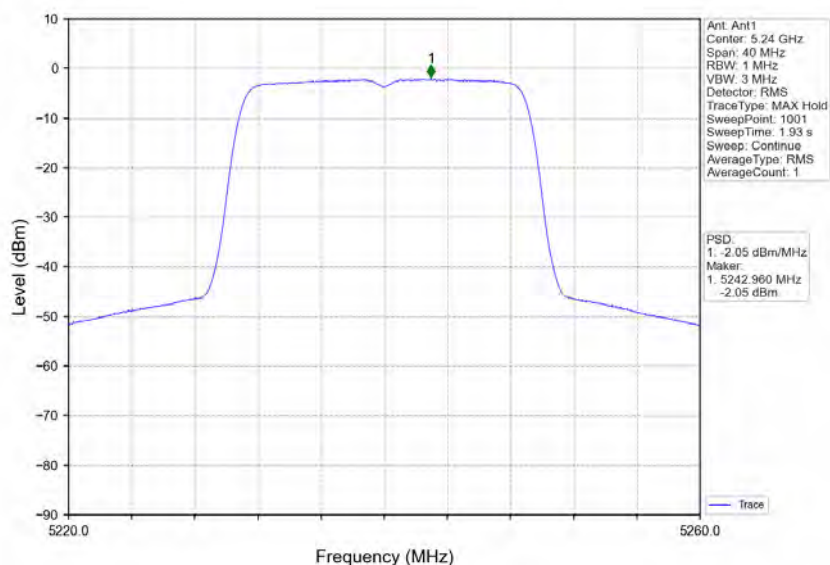
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802.11ac(VHT20) MCH 5200MHz MIMO NTN



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTN



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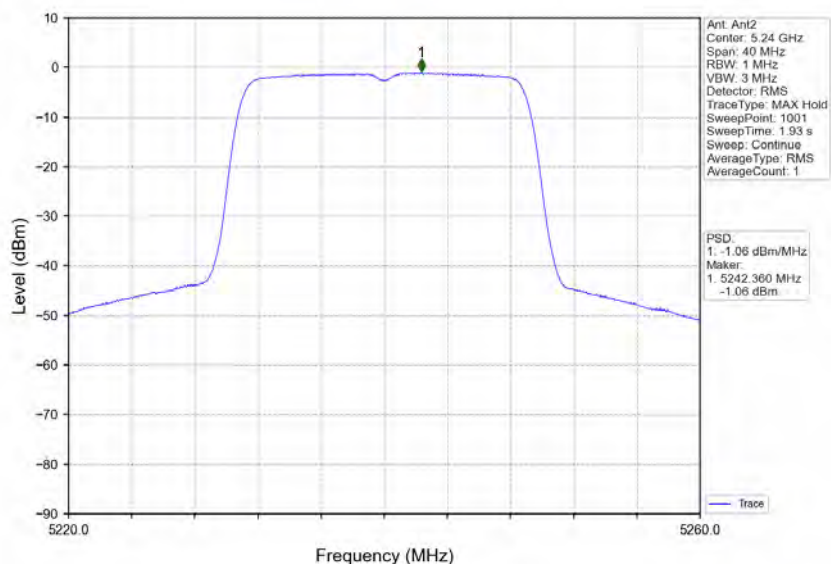
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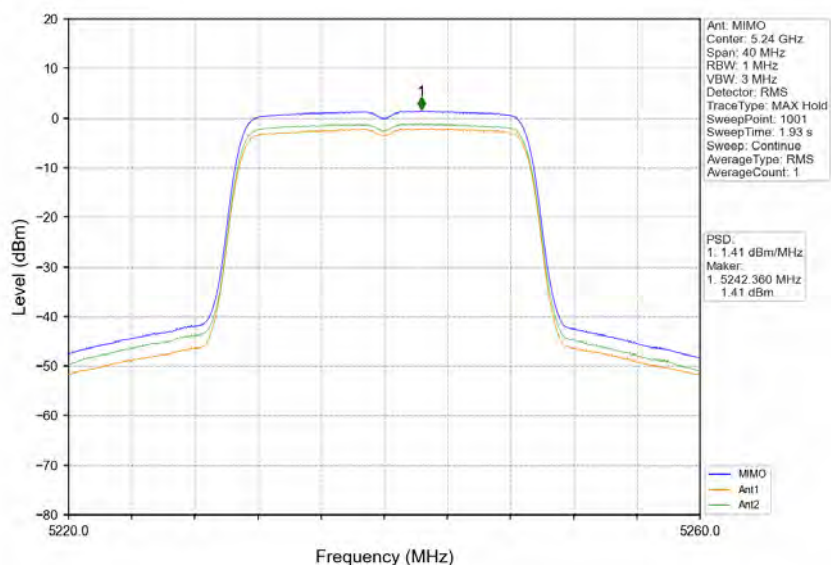
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802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



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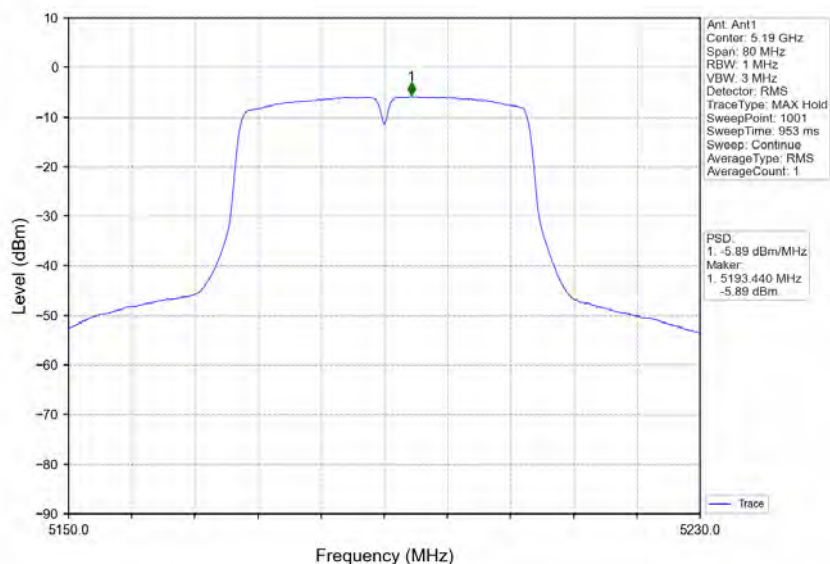
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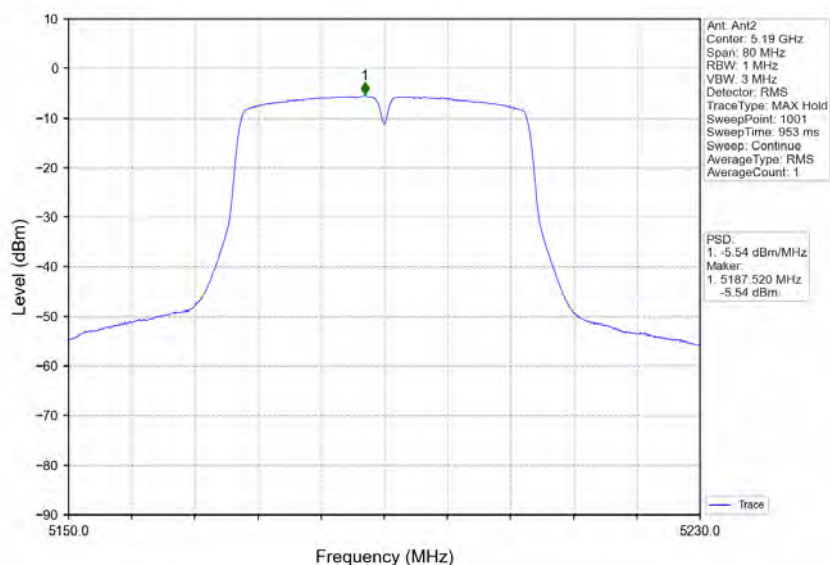
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



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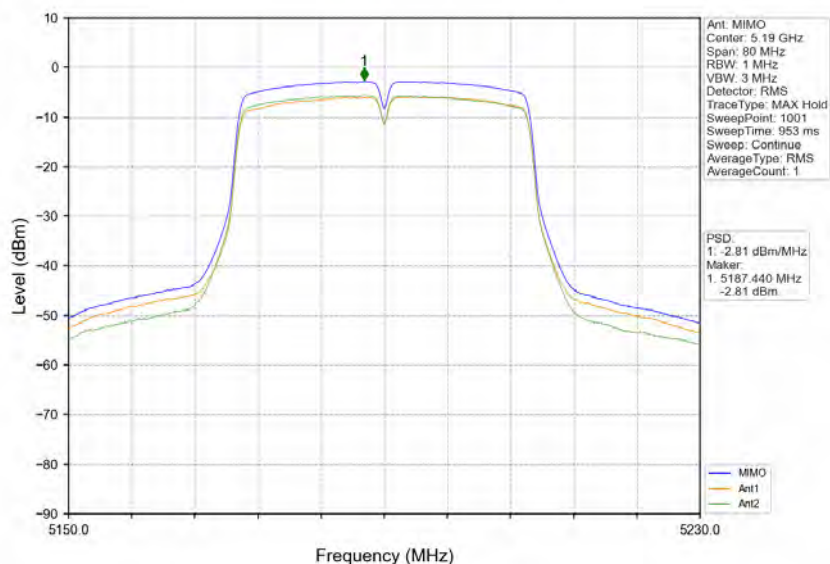
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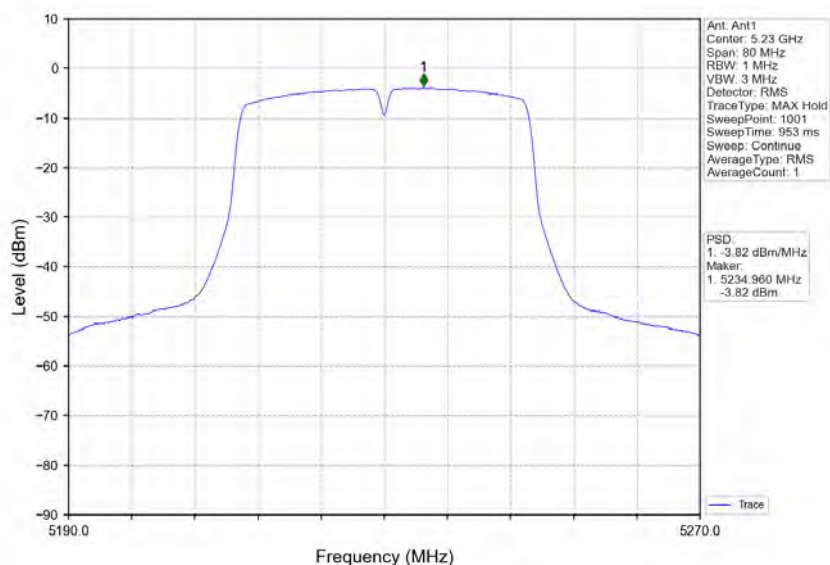
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802.11ac(VHT40) LCH 5190MHz MIMO NTN



802.11ac(VHT40)_HCH 5230MHz_Ant1 NTN



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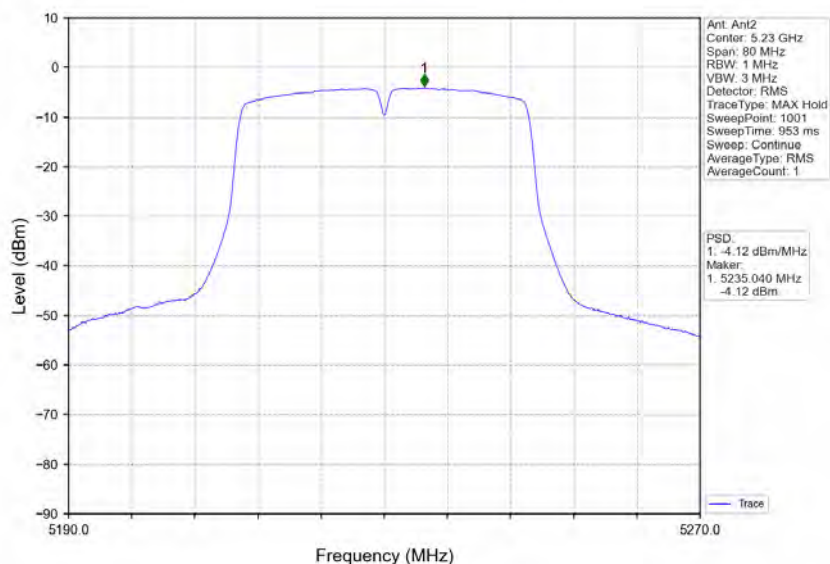
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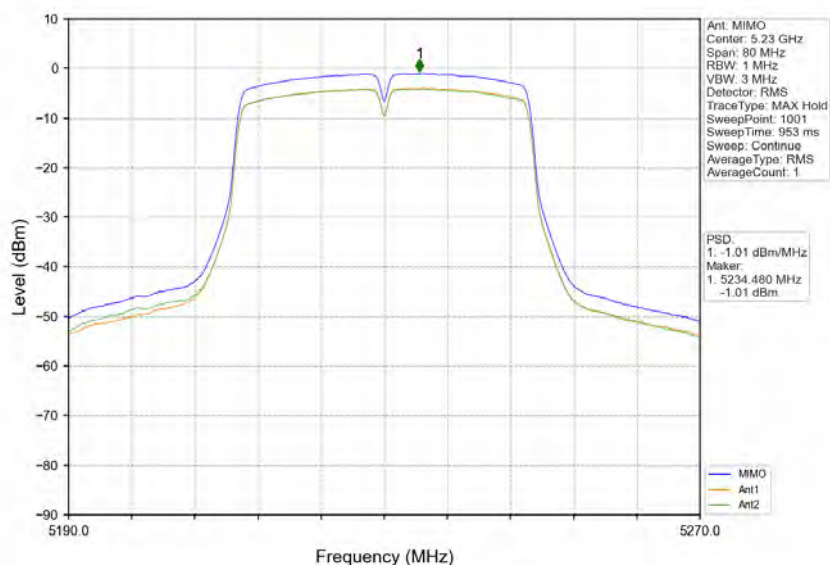
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802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



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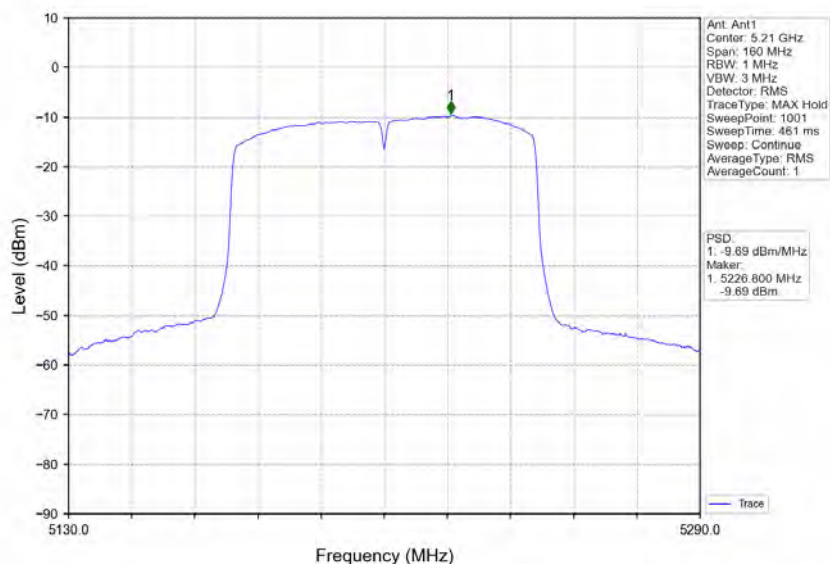
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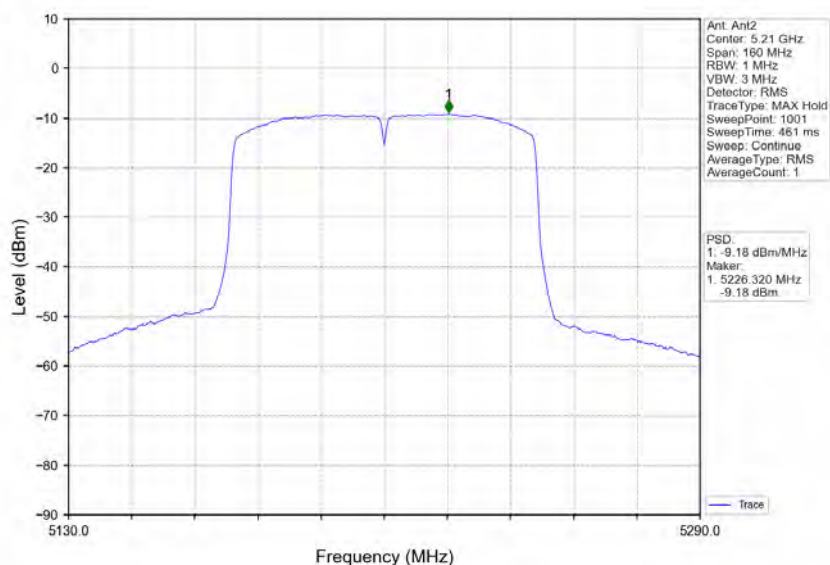
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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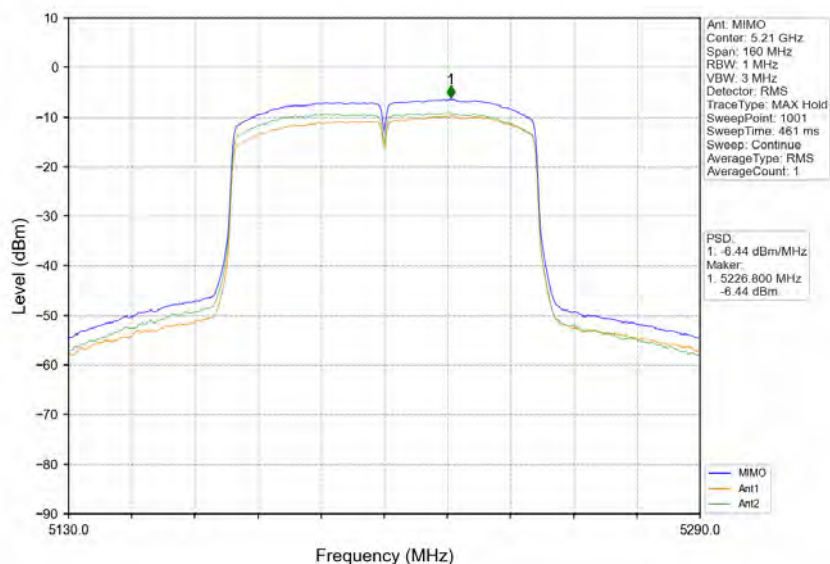
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802.11ac(VHT80) MCH 5210MHz MIMO NTN



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5745	-2.84	-2.95	/	<=30	Pass
		5785	-3.40	-2.61	/	<=30	Pass
		5825	-2.33	-3.21	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-3.10	-3.47	-0.29	<=29.65	Pass
		5785	-3.31	-3.14	-0.26	<=29.65	Pass
		5825	-2.45	-3.65	-0.07	<=29.65	Pass
802.11n (HT40)	MIMO	5755	-5.22	-5.26	-2.37	<=29.65	Pass
		5795	-5.92	-5.90	-2.98	<=29.65	Pass
802.11ac (VHT20)	MIMO	5745	-3.87	-2.91	-0.42	<=29.65	Pass
		5785	-3.46	-2.63	-0.02	<=29.65	Pass
		5825	-3.07	-3.27	-0.20	<=29.65	Pass
802.11ac (VHT40)	MIMO	5755	-5.31	-5.31	-2.39	<=29.65	Pass
		5795	-5.69	-5.73	-2.83	<=29.65	Pass
802.11ac (VHT80)	MIMO	5775	-8.57	-8.16	-5.50	<=29.65	Pass

Note1: Antenna Gain: Ant1: 3.06dBi; Ant2: 3.60dBi;



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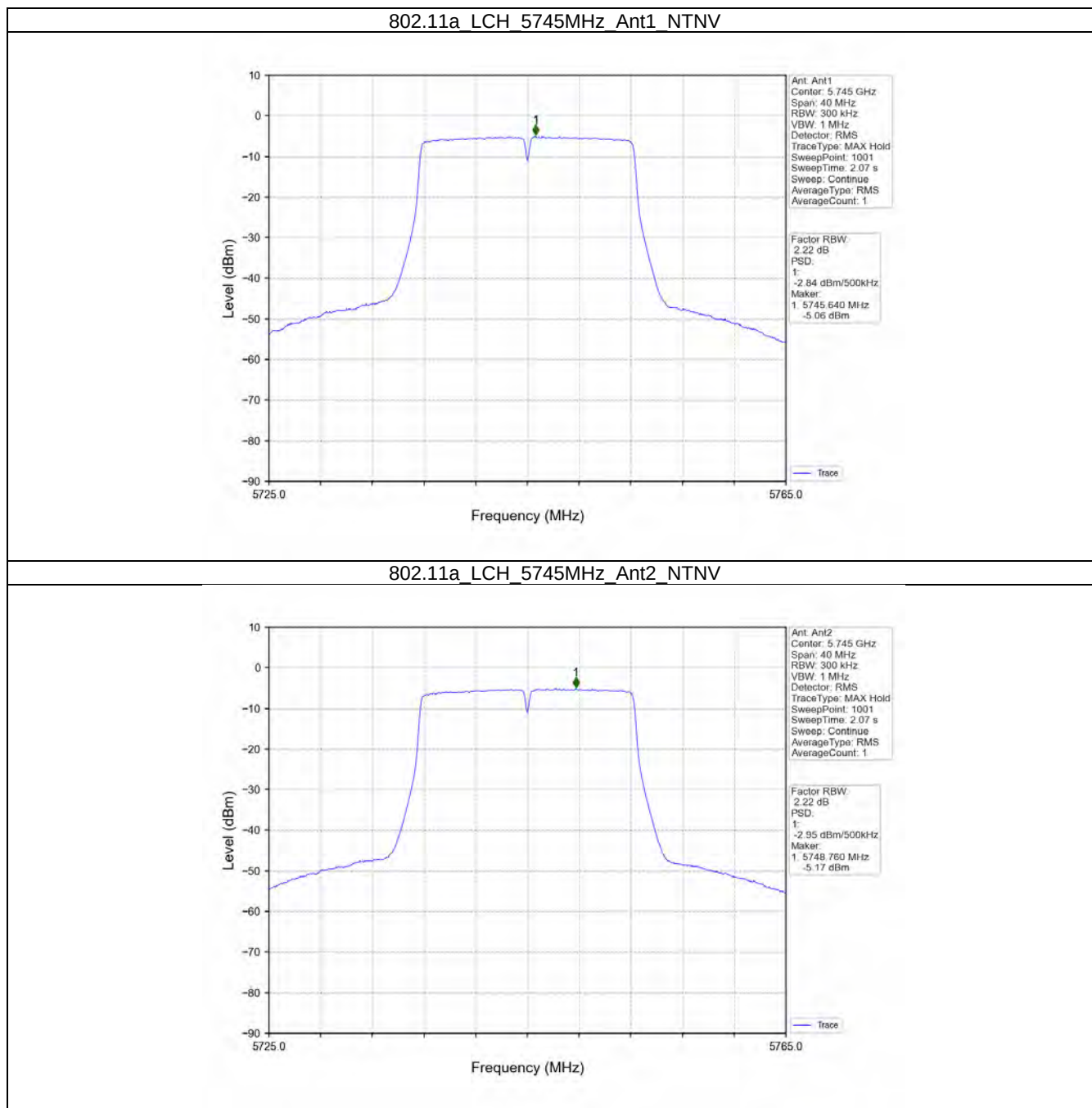
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4.2.2 Test Graph



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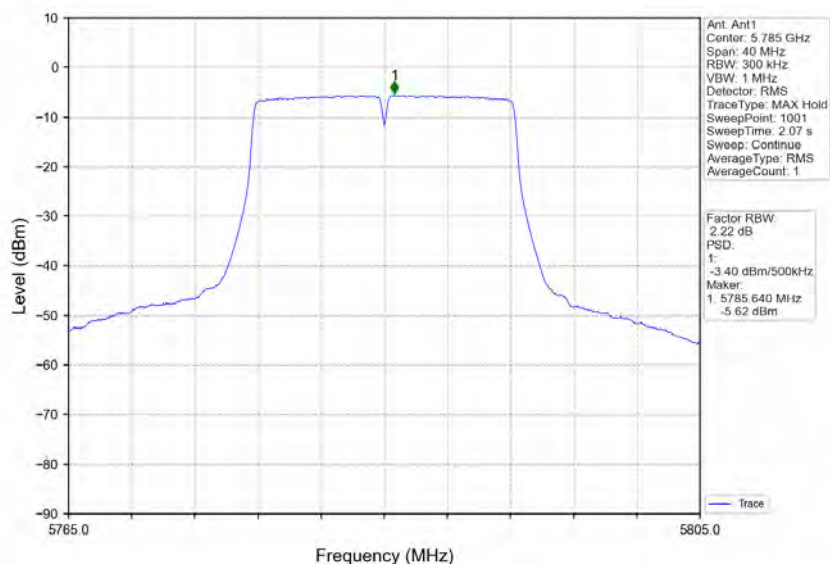
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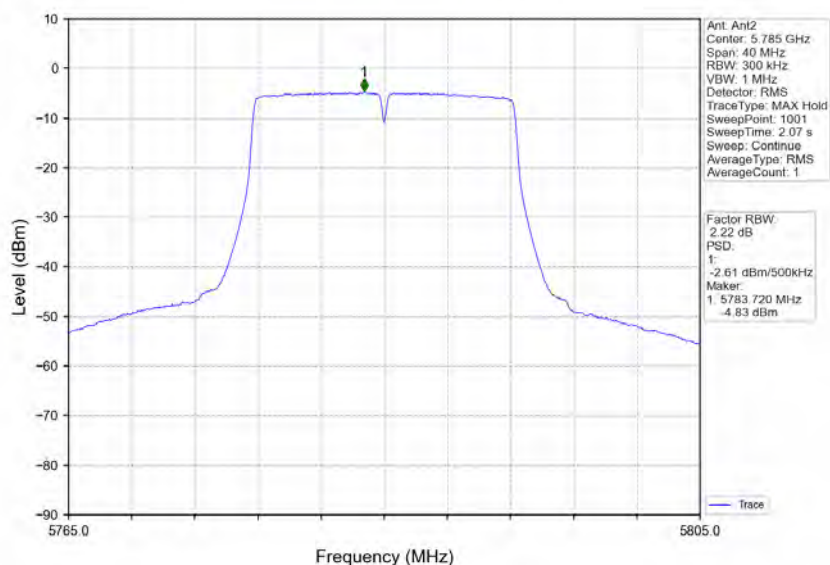
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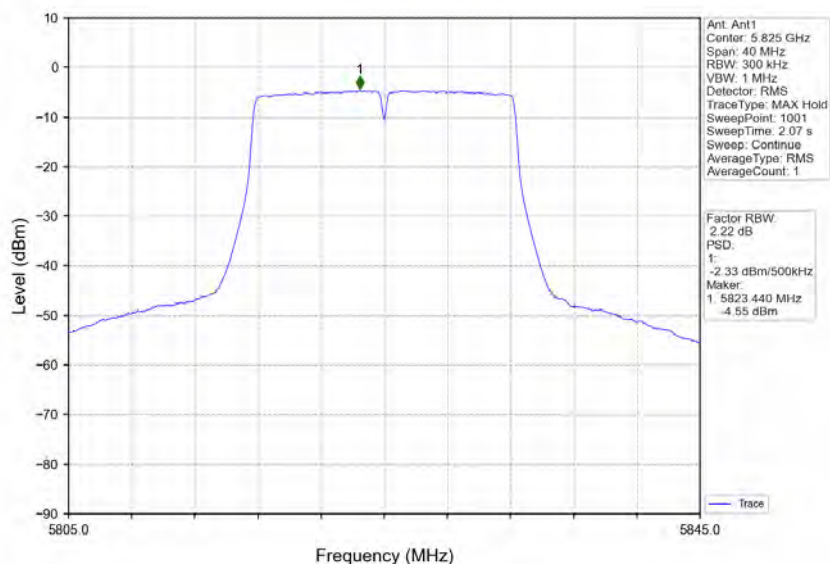
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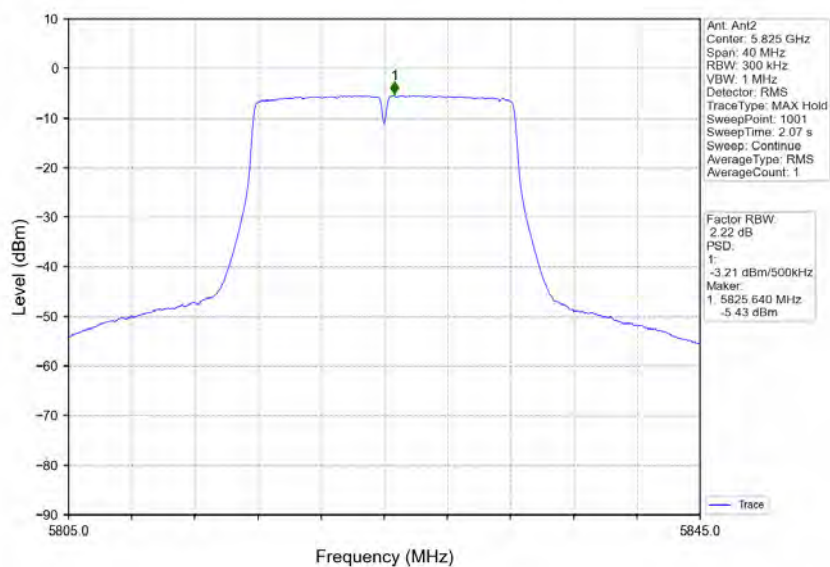
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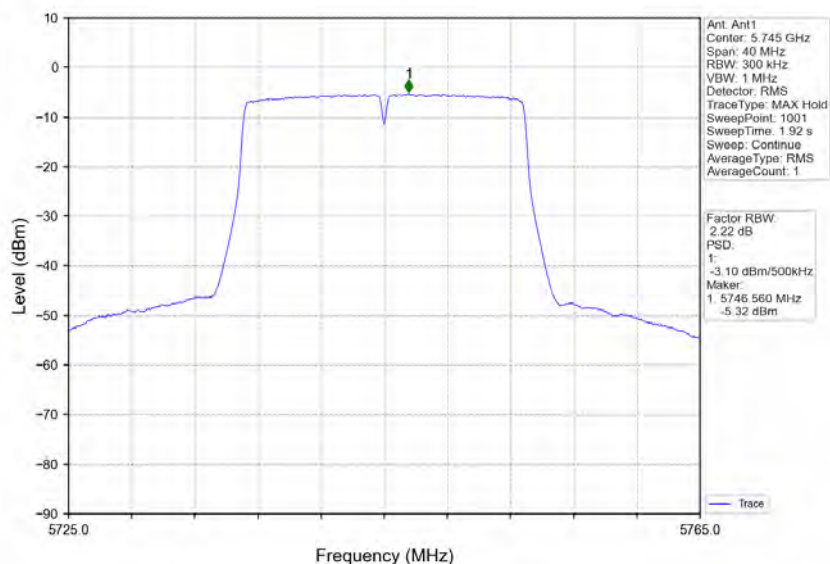
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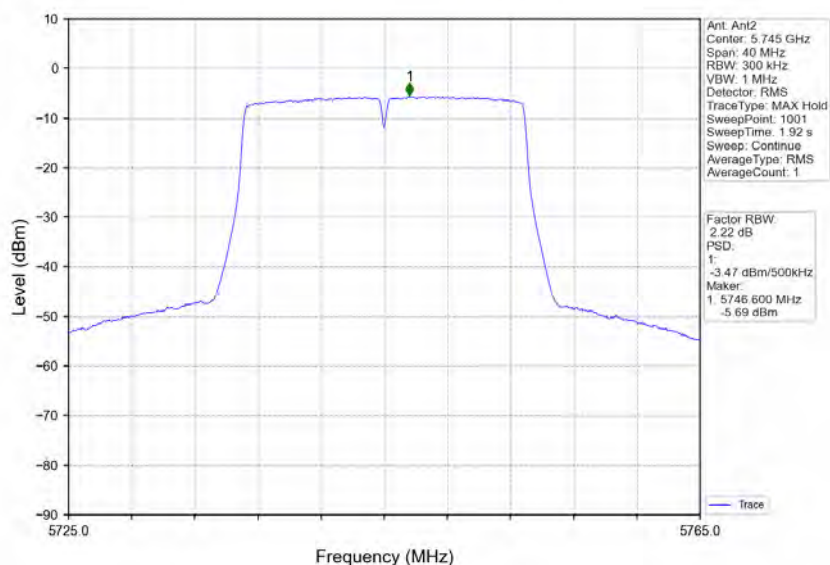
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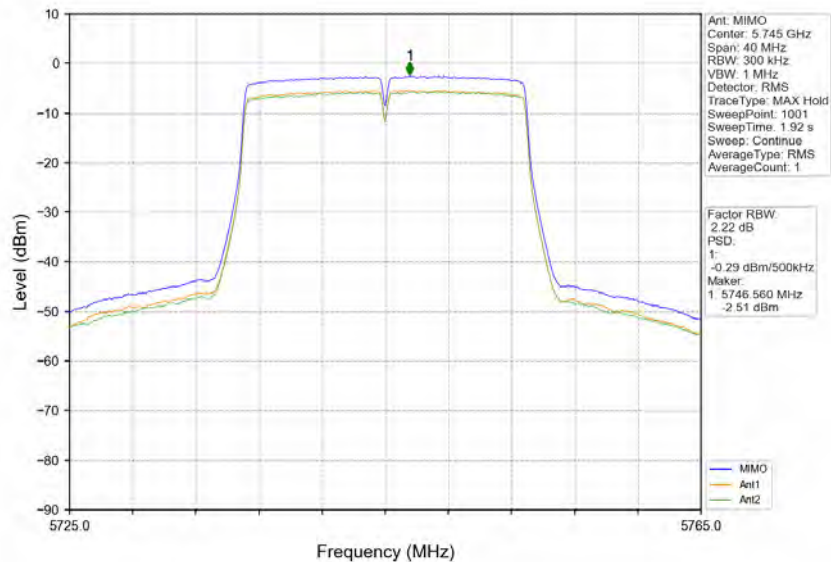
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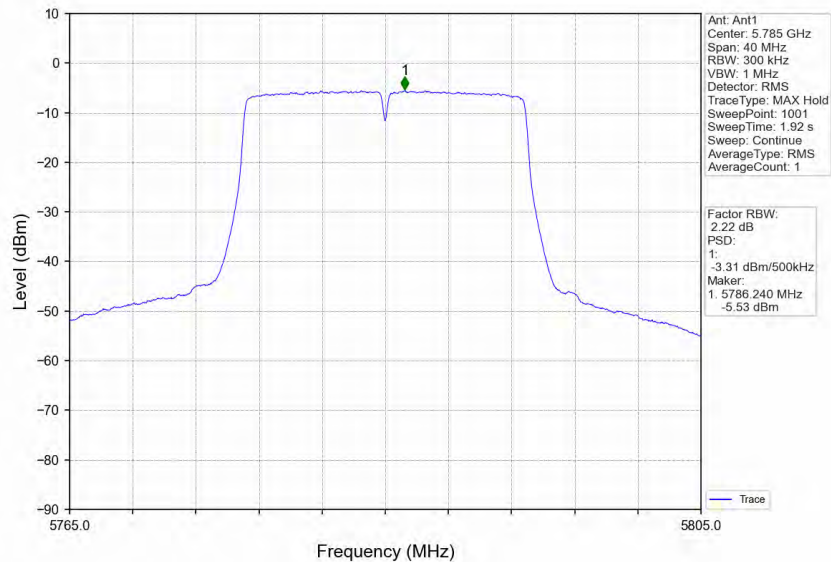
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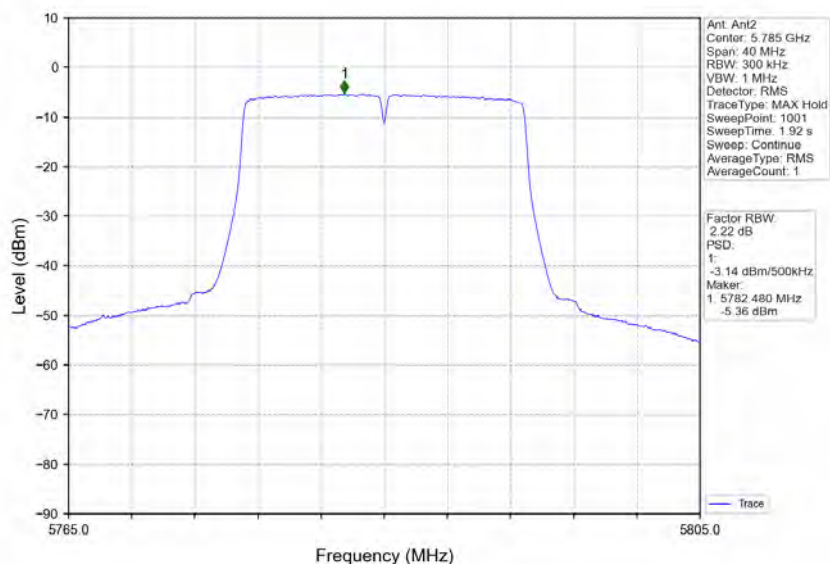
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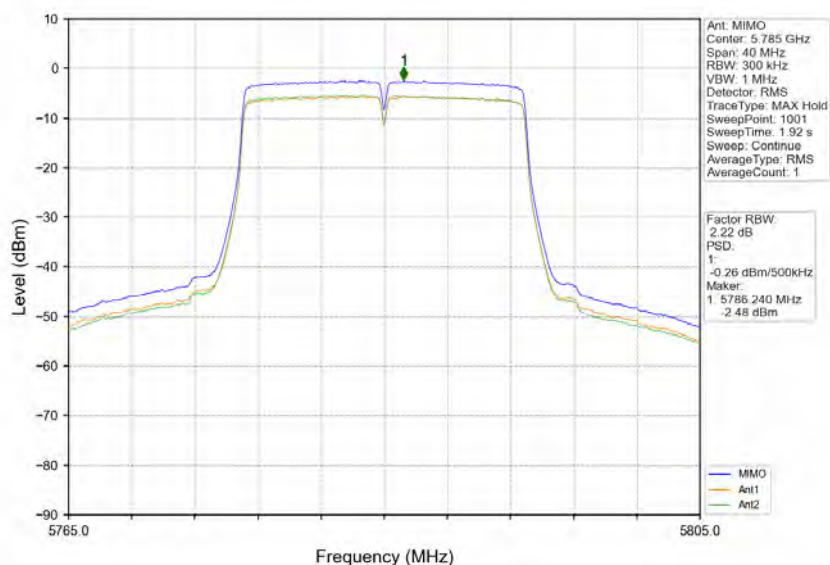
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802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



802.11n(HT20)_MCH_5785MHz_MIMO_NTNV



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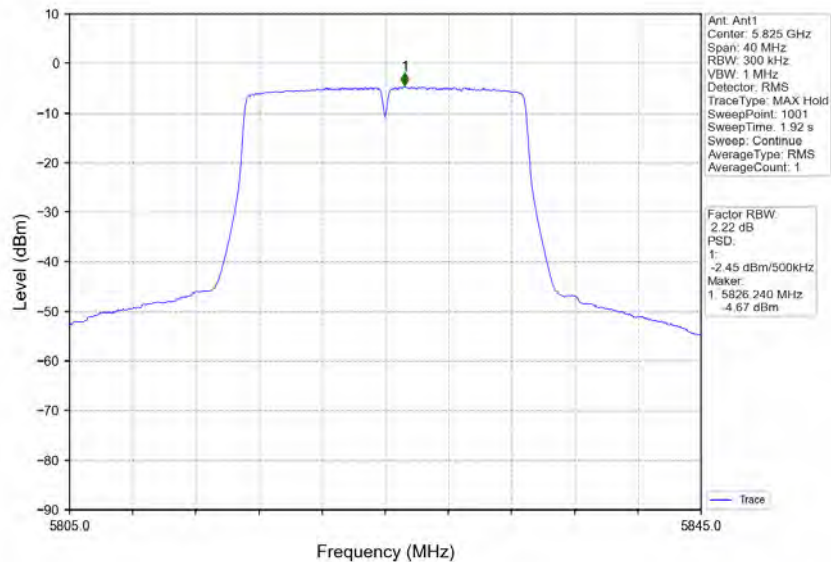
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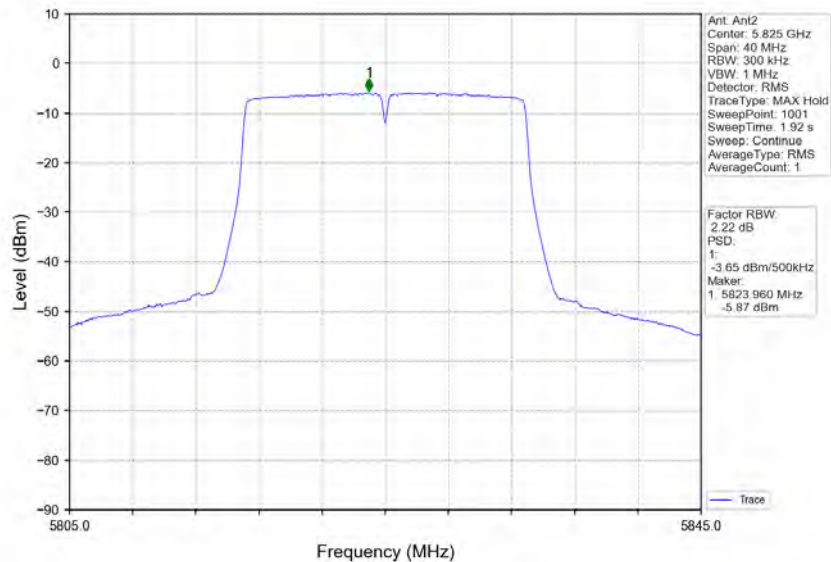
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



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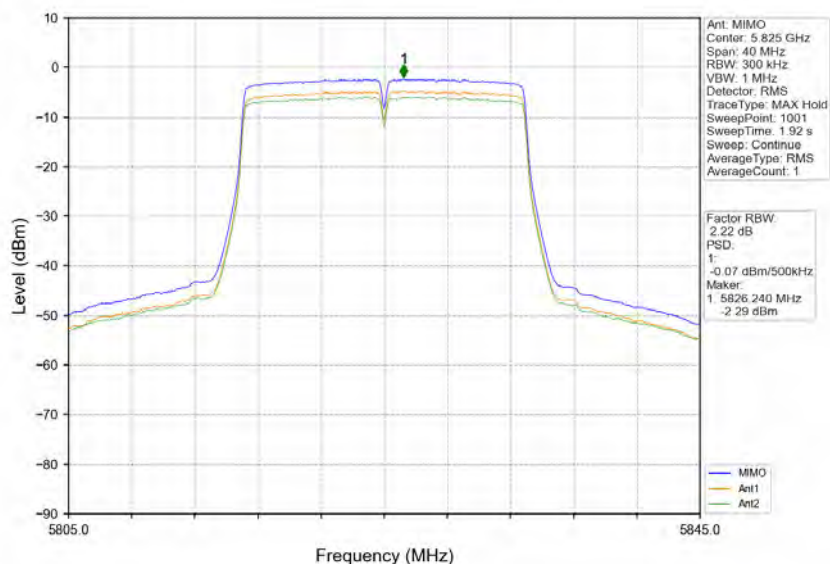
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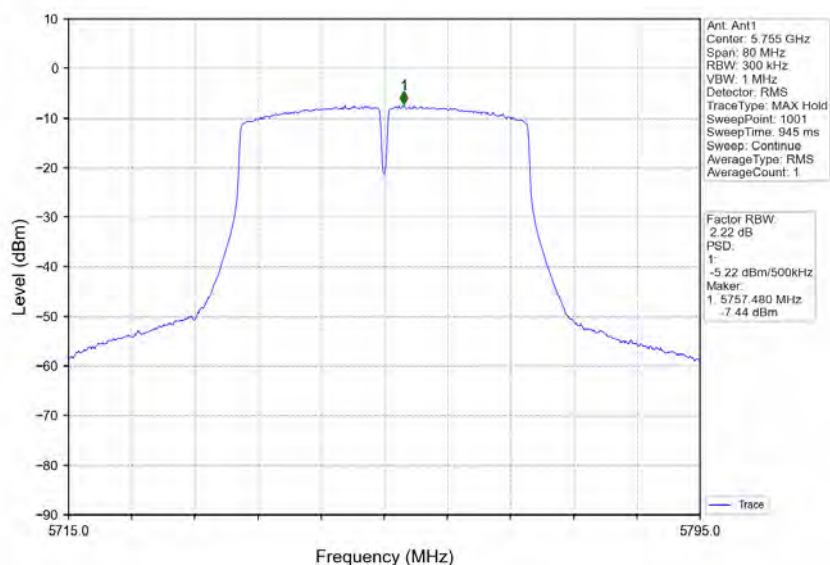
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802.11n(HT20) HCH 5825MHz MIMO NTN



802.11n(HT40) LCH 5755MHz Ant1 NTN



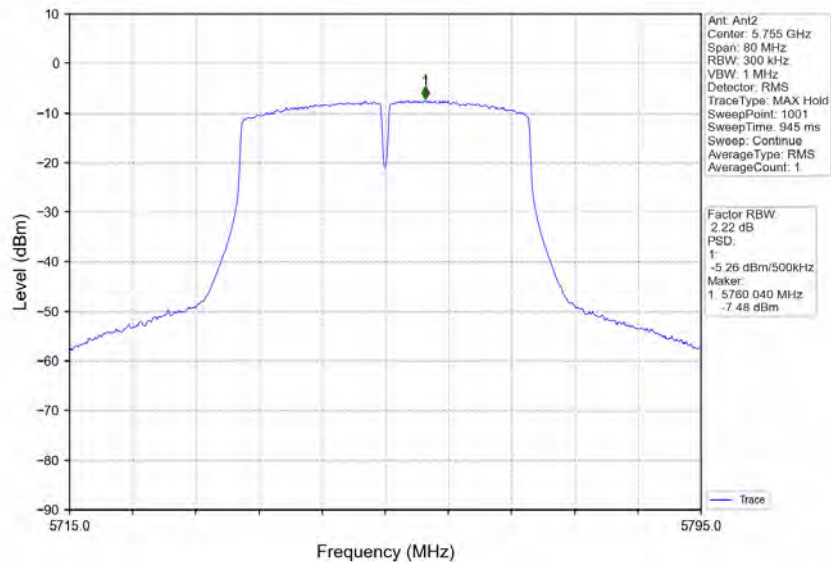
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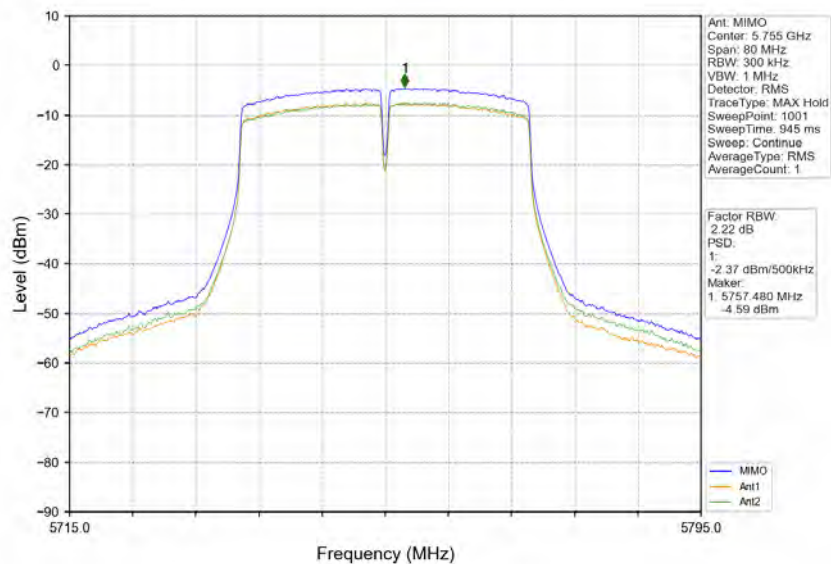
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802.11n(HT40) LCH 5755MHz Ant2 NTN



802.11n(HT40) LCH 5755MHz MIMO NTN



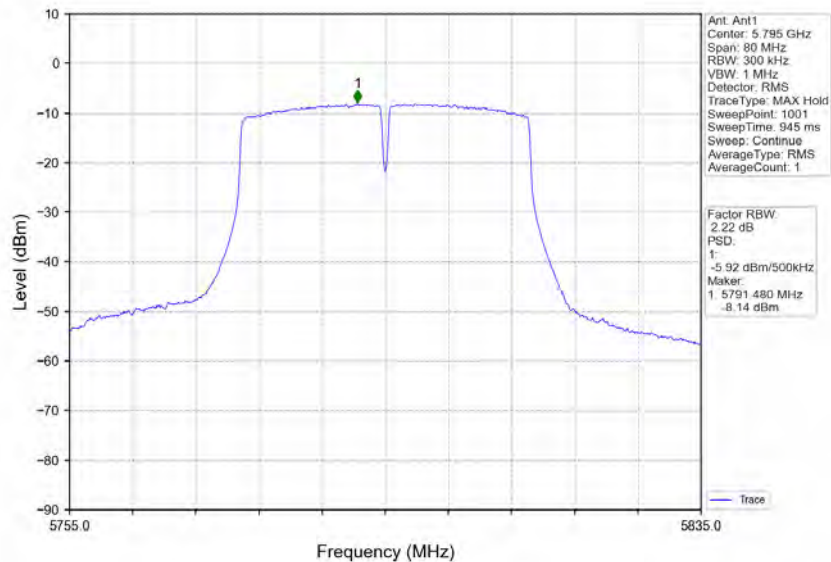
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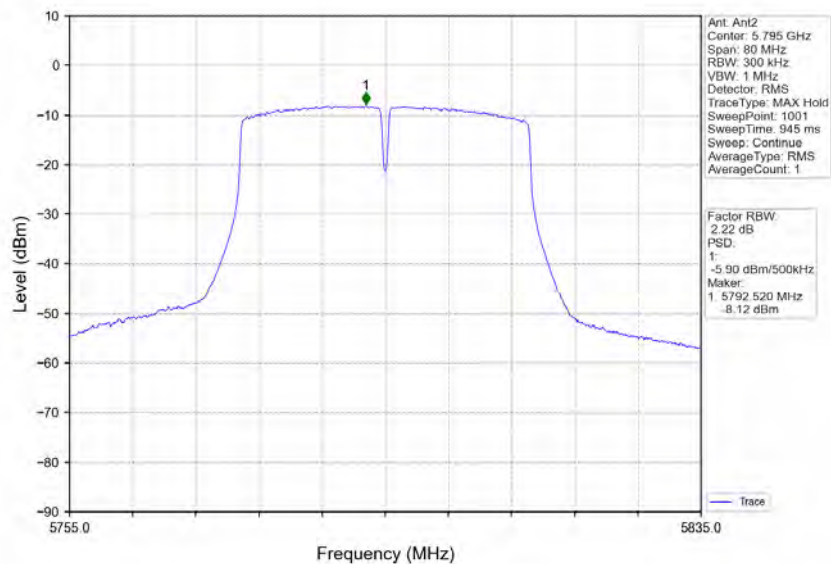
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802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



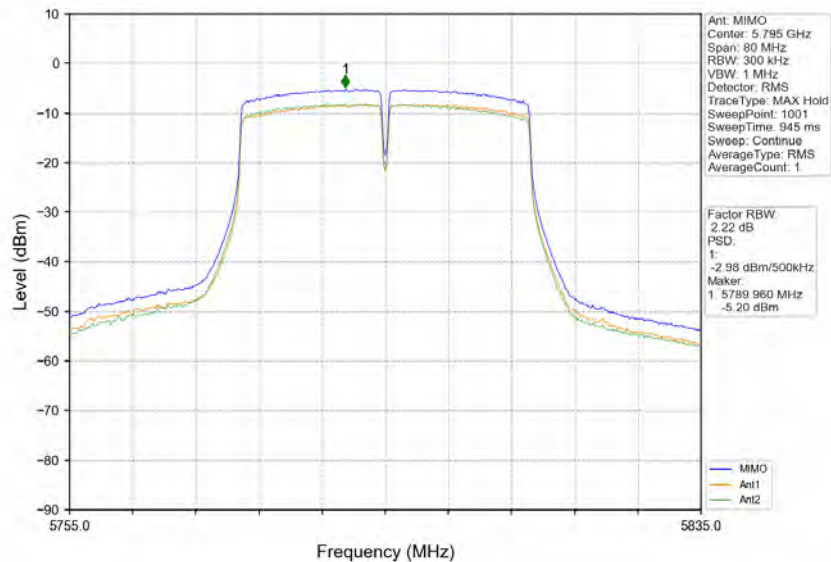
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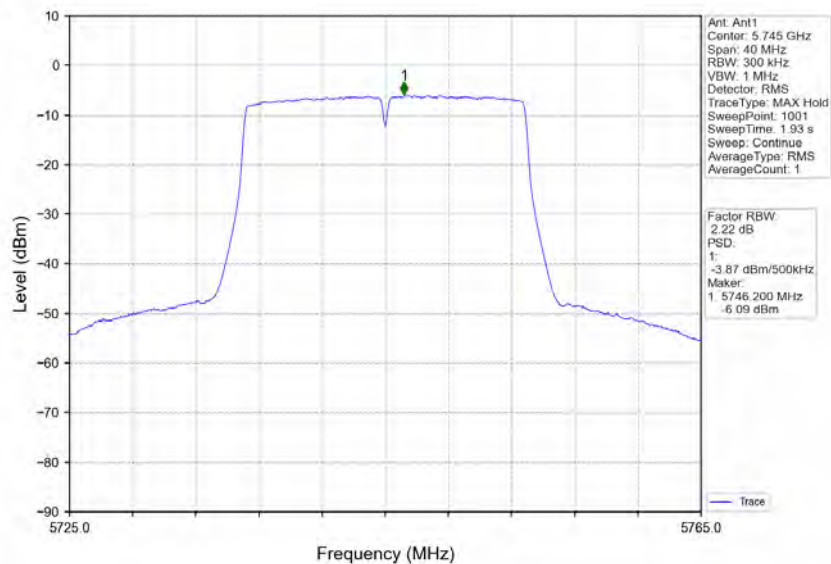
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802.11n(HT40) HCH 5795MHz MIMO_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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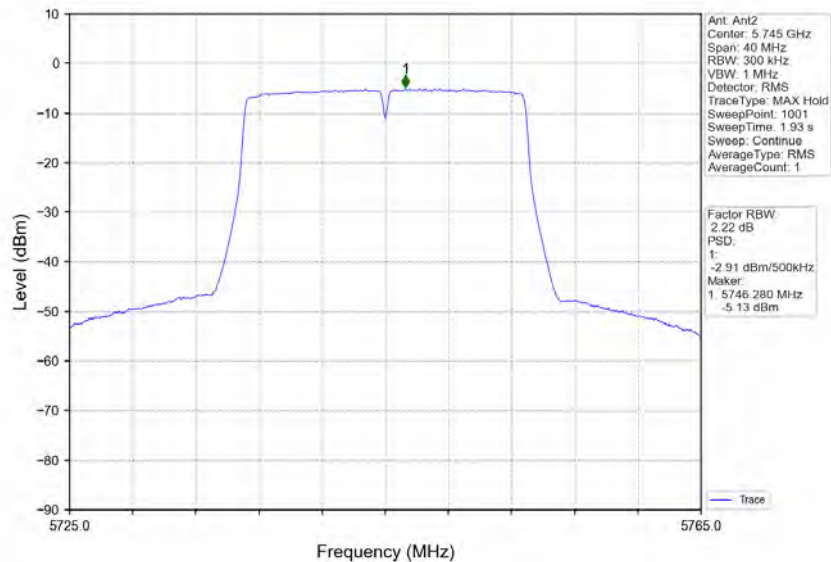
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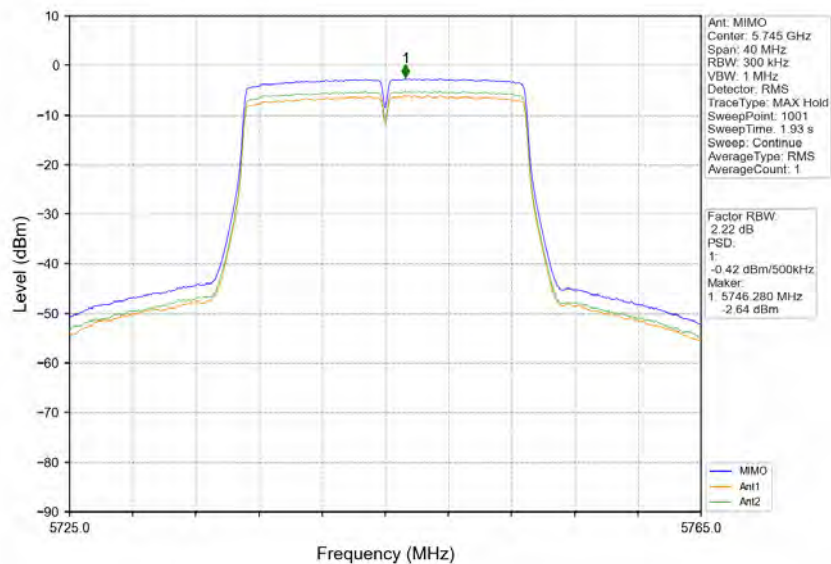
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802.11ac(VHT20) LCH 5745MHz Ant2 NTNV



802.11ac(VHT20) LCH 5745MHz MIMO NTNV



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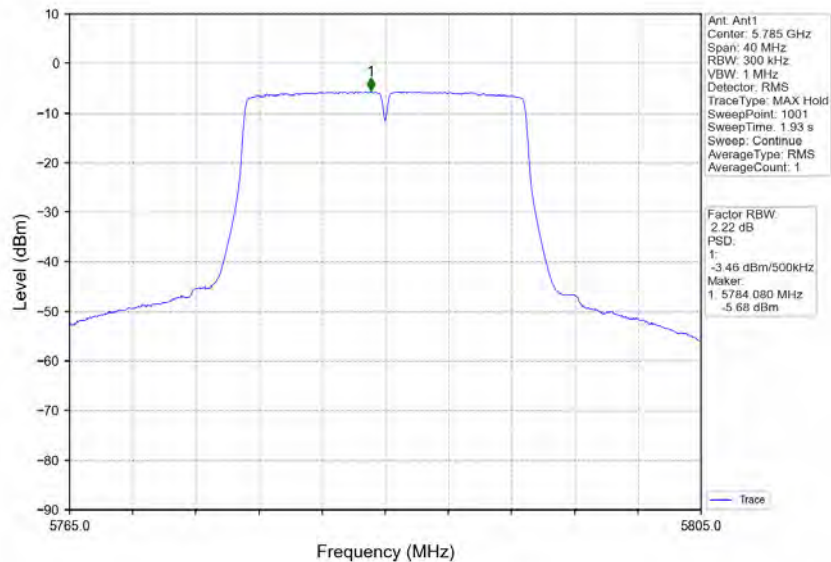
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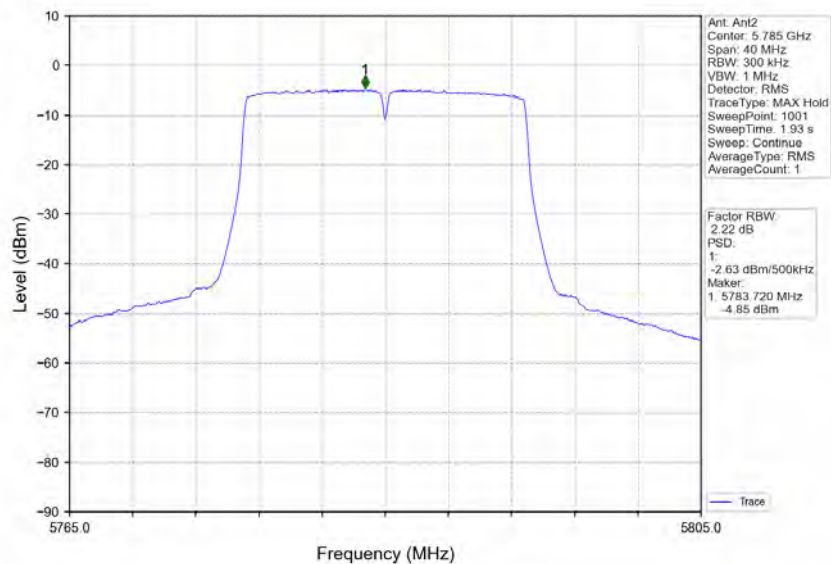
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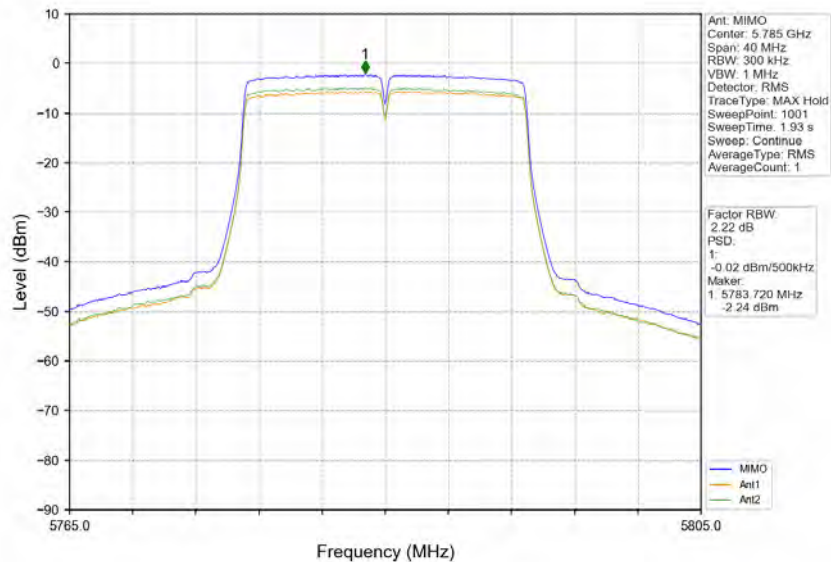
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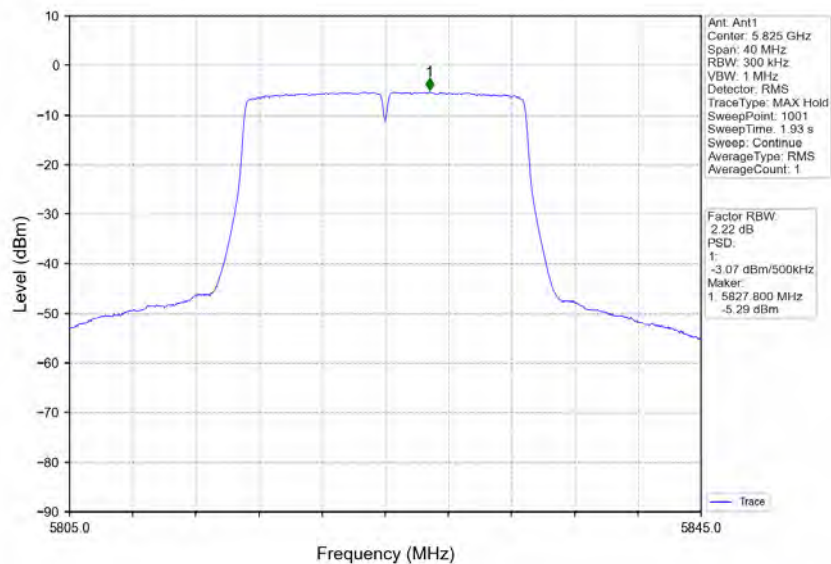
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802.11ac(VHT20) MCH 5785MHz MIMO NTN



802.11ac(VHT20)_HCH 5825MHz_Ant1_NTN



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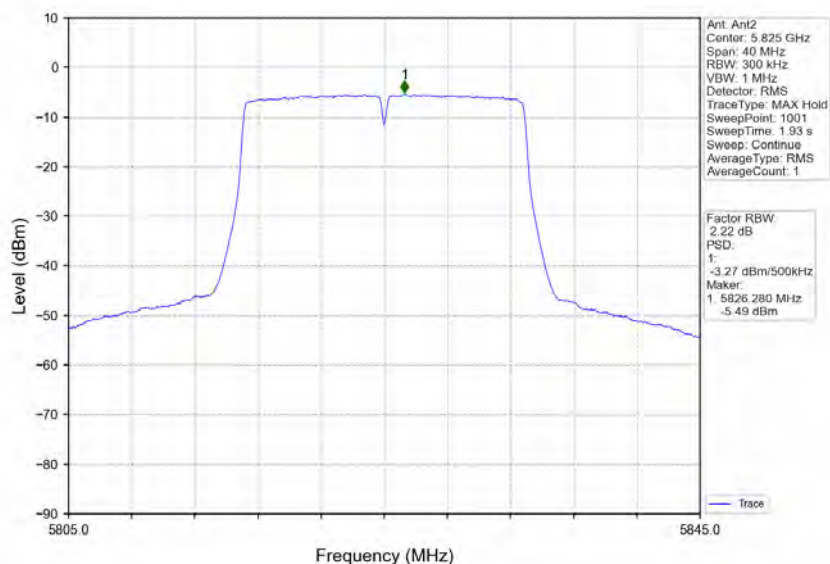
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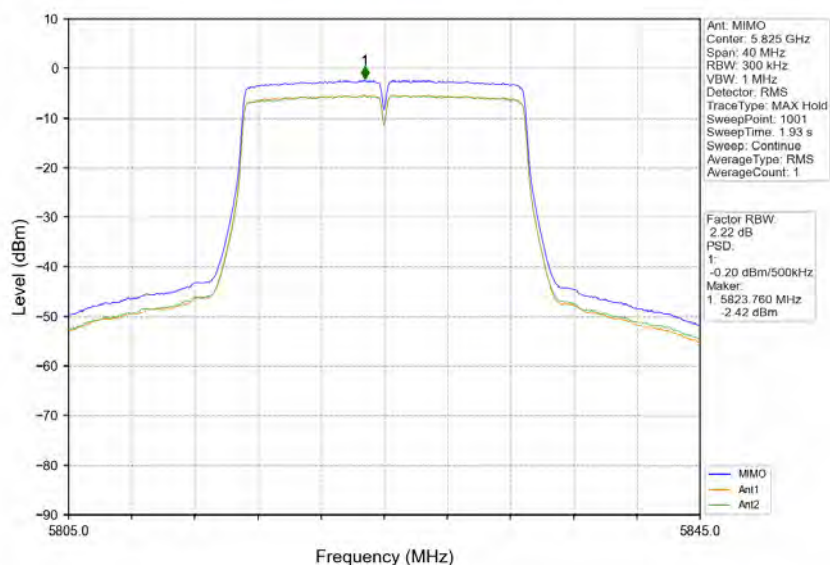
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802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5825MHz_MIMO_NTNV



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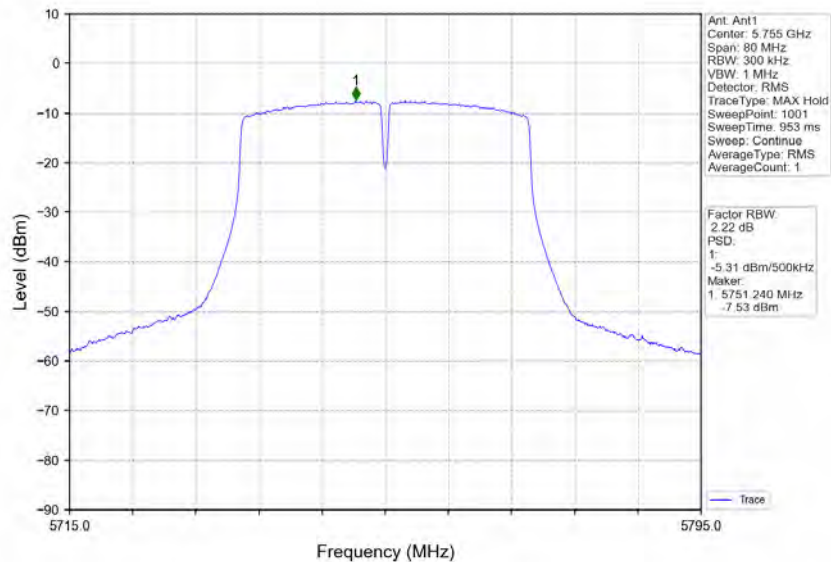
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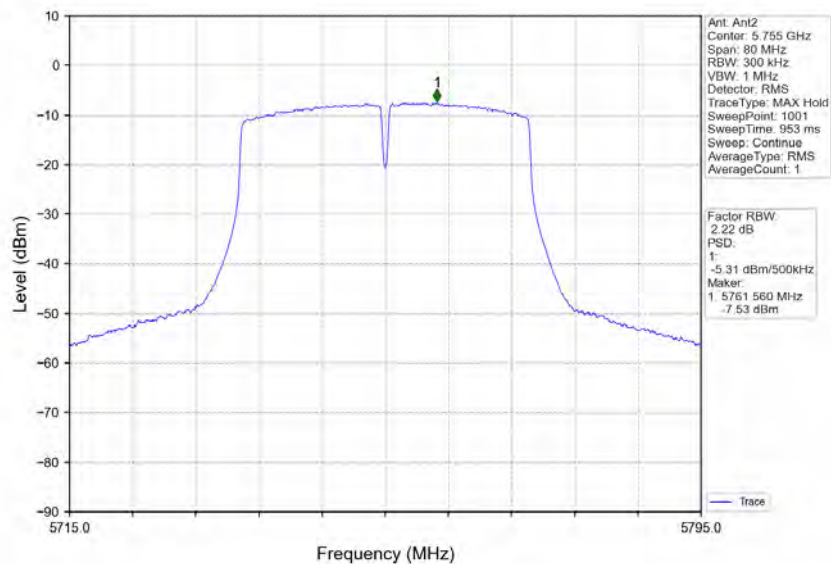
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



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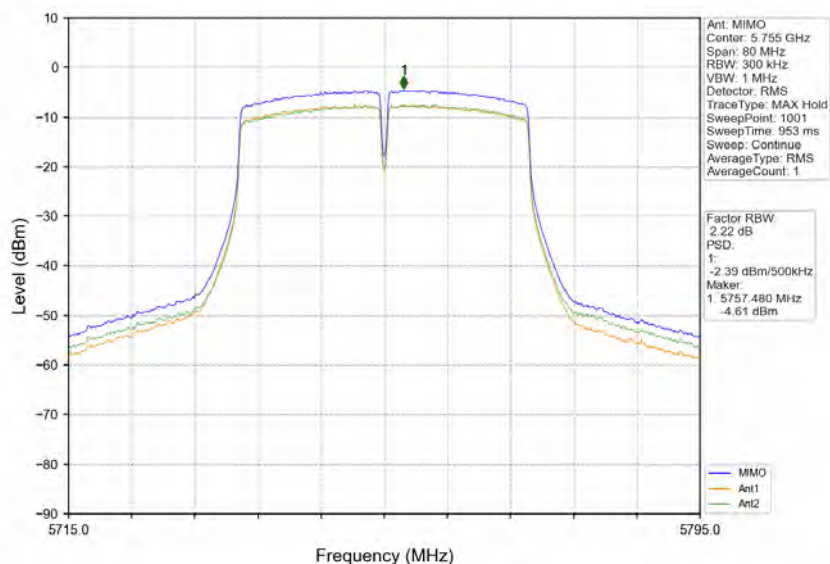
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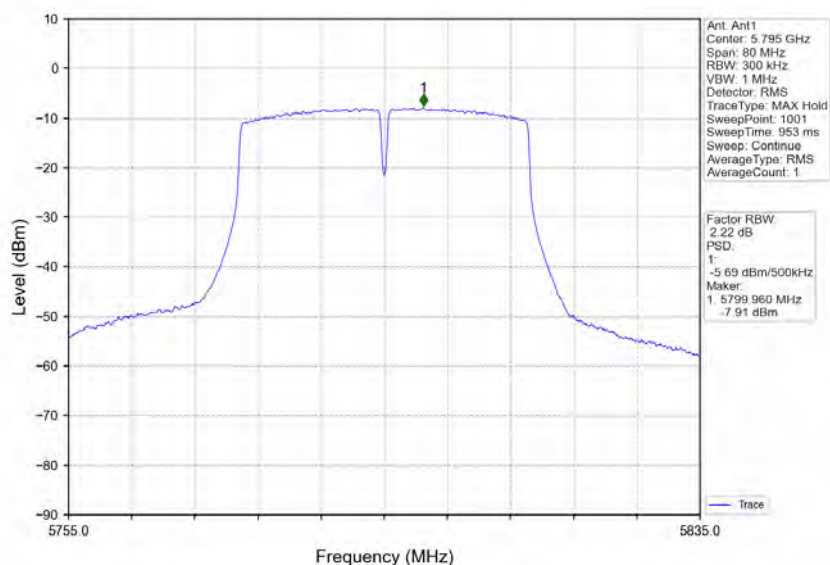
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802.11ac(VHT40) LCH 5755MHz MIMO NTN



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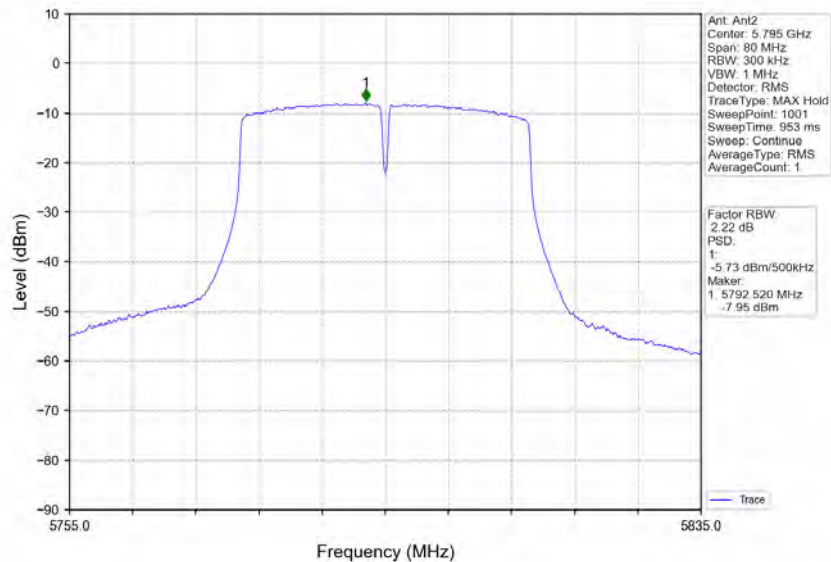
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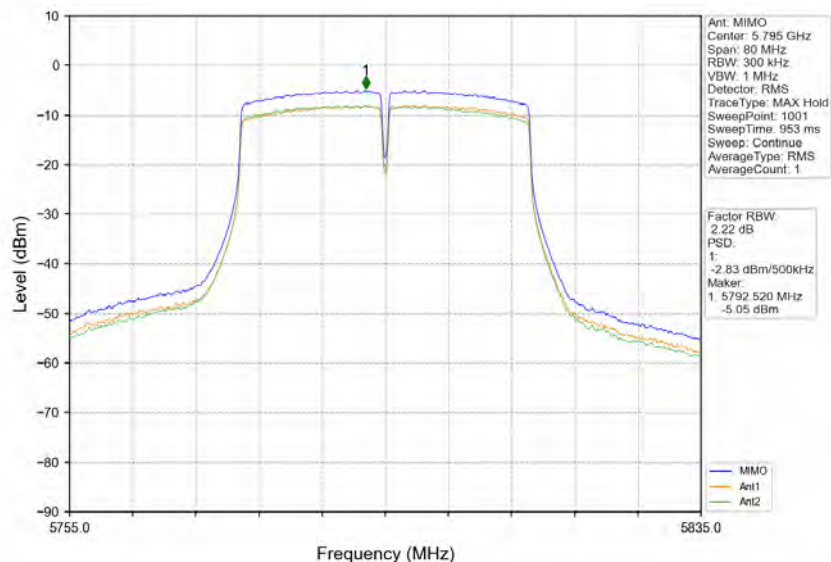
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802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5795MHz_MIMO_NTNV



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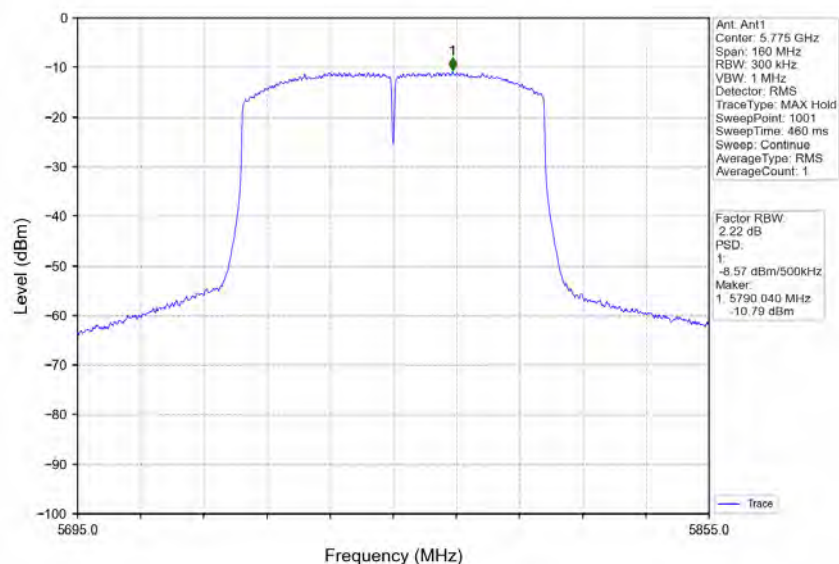
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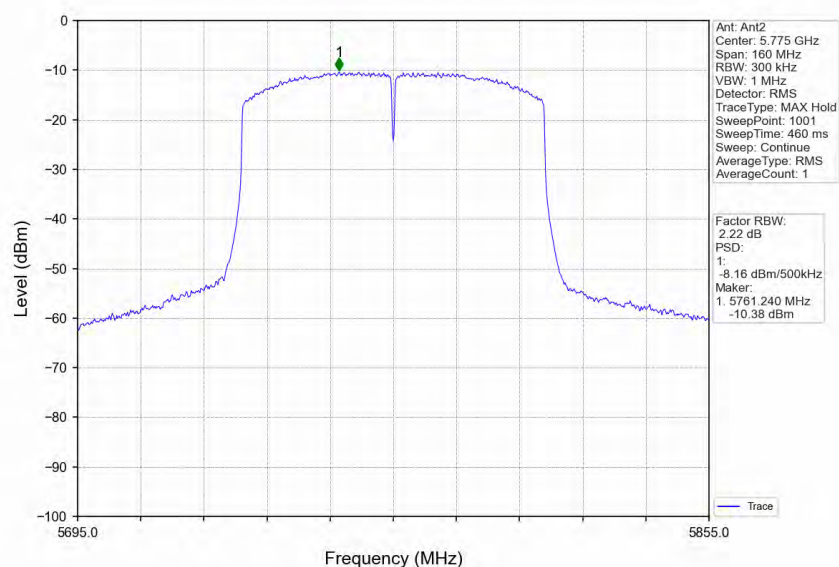
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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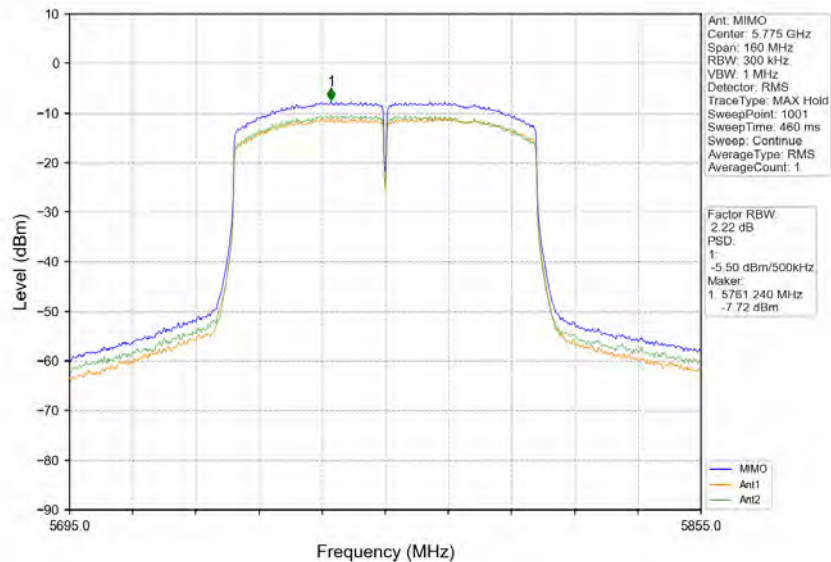
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802.11ac(VHT80) MCH 5775MHz MIMO NTN



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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.060	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
				138	5180.100	5150 to 5250	Pass
			-30	120	5180.040	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
				120	5180.060	5150 to 5250	Pass
				120	5180.100	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass
				120	5180.120	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
		5200	20	102	5200.100	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
				138	5200.120	5150 to 5250	Pass
			-30	120	5200.100	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
				120	5200.080	5150 to 5250	Pass
			-10	120	5200.100	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
			0	120	5200.080	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
		5240	20	102	5240.080	5150 to 5250	Pass
				120	5240.080	5150 to 5250	Pass
				138	5240.080	5150 to 5250	Pass
			-30	120	5240.080	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
			-10	120	5240.060	5150 to 5250	Pass
				120	5240.080	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
			0	120	5240.020	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				120	5240.080	5150 to 5250	Pass
		5745	20	102	5745.040	5725 to 5850	Pass
				120	5745.020	5725 to 5850	Pass
				138	5745.060	5725 to 5850	Pass
			-30	120	5745.060	5725 to 5850	Pass
				120	5745.000	5725 to 5850	Pass
				120	5745.060	5725 to 5850	Pass



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802.11n (HT20)	MIMO	5785	0	120	5745.000	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass
			30	120	5745.060	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
			20	102	5785.000	5725 to 5850	Pass
				120	5785.040	5725 to 5850	Pass
				138	5785.040	5725 to 5850	Pass
			-30	120	5785.000	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
		5825	0	120	5785.020	5725 to 5850	Pass
			10	120	5785.040	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass
			40	120	5785.060	5725 to 5850	Pass
			50	120	5785.040	5725 to 5850	Pass
			20	102	5825.060	5725 to 5850	Pass
				120	5825.040	5725 to 5850	Pass
				138	5825.060	5725 to 5850	Pass
			-30	120	5825.000	5725 to 5850	Pass
			-20	120	5825.060	5725 to 5850	Pass
			-10	120	5825.080	5725 to 5850	Pass
		5180	0	120	5825.060	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5825.080	5725 to 5850	Pass
			40	120	5825.040	5725 to 5850	Pass
			50	120	5825.000	5725 to 5850	Pass
			20	102	5180.040	5150 to 5250	Pass
				120	5180.060	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5180.040	5150 to 5250	Pass
			-20	120	5180.060	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
		5200	0	120	5180.040	5150 to 5250	Pass
			10	120	5180.040	5150 to 5250	Pass
			30	120	5180.080	5150 to 5250	Pass
			40	120	5180.060	5150 to 5250	Pass
			50	120	5180.060	5150 to 5250	Pass
			20	102	5200.040	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
				138	5200.060	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5200.040	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
		5240	0	120	5200.040	5150 to 5250	Pass
			10	120	5200.040	5150 to 5250	Pass
			30	120	5200.060	5150 to 5250	Pass
			40	120	5200.040	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
			20	102	5240.060	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				138	5240.100	5150 to 5250	Pass
			20	102	5240.060	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				138	5240.100	5150 to 5250	Pass



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			-30	120	5240.040	5150 to 5250	Pass
			-20	120	5240.080	5150 to 5250	Pass
			-10	120	5240.080	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.040	5150 to 5250	Pass
			30	120	5240.060	5150 to 5250	Pass
			40	120	5240.080	5150 to 5250	Pass
			50	120	5240.060	5150 to 5250	Pass
		5745	20	102	5745.040	5725 to 5850	Pass
				120	5745.080	5725 to 5850	Pass
				138	5745.080	5725 to 5850	Pass
			-30	120	5745.040	5725 to 5850	Pass
			-20	120	5745.040	5725 to 5850	Pass
			-10	120	5745.040	5725 to 5850	Pass
			0	120	5745.080	5725 to 5850	Pass
			10	120	5745.040	5725 to 5850	Pass
			30	120	5745.080	5725 to 5850	Pass
			40	120	5745.040	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
		5785	20	102	5785.040	5725 to 5850	Pass
				120	5785.060	5725 to 5850	Pass
				138	5785.060	5725 to 5850	Pass
			-30	120	5785.040	5725 to 5850	Pass
			-20	120	5785.060	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass
			0	120	5785.060	5725 to 5850	Pass
			10	120	5785.040	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.080	5725 to 5850	Pass
			50	120	5785.020	5725 to 5850	Pass
		5825	20	102	5825.060	5725 to 5850	Pass
				120	5825.060	5725 to 5850	Pass
				138	5825.080	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5825.060	5725 to 5850	Pass
			-10	120	5825.040	5725 to 5850	Pass
			0	120	5825.040	5725 to 5850	Pass
			10	120	5825.080	5725 to 5850	Pass
			30	120	5825.060	5725 to 5850	Pass
			40	120	5825.040	5725 to 5850	Pass
			50	120	5825.020	5725 to 5850	Pass
802.11n (HT40)	MIMO	5190	20	102	5190.120	5150 to 5250	Pass
				120	5190.120	5150 to 5250	Pass
				138	5190.120	5150 to 5250	Pass
			-30	120	5190.120	5150 to 5250	Pass
			-20	120	5190.080	5150 to 5250	Pass
			-10	120	5190.080	5150 to 5250	Pass
			0	120	5190.080	5150 to 5250	Pass
			10	120	5190.080	5150 to 5250	Pass
			30	120	5190.080	5150 to 5250	Pass
			40	120	5190.080	5150 to 5250	Pass
			50	120	5190.120	5150 to 5250	Pass



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		5230	20	102	5230.160	5150 to 5250	Pass
				120	5230.120	5150 to 5250	Pass
				138	5230.120	5150 to 5250	Pass
			-30	120	5230.200	5150 to 5250	Pass
			-20	120	5230.160	5150 to 5250	Pass
			-10	120	5230.160	5150 to 5250	Pass
			0	120	5230.160	5150 to 5250	Pass
			10	120	5230.160	5150 to 5250	Pass
			30	120	5230.160	5150 to 5250	Pass
			40	120	5230.160	5150 to 5250	Pass
			50	120	5230.160	5150 to 5250	Pass
		5755	20	102	5755.120	5725 to 5850	Pass
				120	5755.120	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
			-30	120	5755.120	5725 to 5850	Pass
			-20	120	5755.080	5725 to 5850	Pass
			-10	120	5755.120	5725 to 5850	Pass
			0	120	5755.160	5725 to 5850	Pass
			10	120	5755.120	5725 to 5850	Pass
			30	120	5755.200	5725 to 5850	Pass
			40	120	5755.120	5725 to 5850	Pass
			50	120	5755.160	5725 to 5850	Pass
		5795	20	102	5795.160	5725 to 5850	Pass
				120	5795.120	5725 to 5850	Pass
				138	5795.120	5725 to 5850	Pass
			-30	120	5795.160	5725 to 5850	Pass
			-20	120	5795.160	5725 to 5850	Pass
			-10	120	5795.200	5725 to 5850	Pass
			0	120	5795.160	5725 to 5850	Pass
			10	120	5795.160	5725 to 5850	Pass
			30	120	5795.160	5725 to 5850	Pass
			40	120	5795.200	5725 to 5850	Pass
			50	120	5795.200	5725 to 5850	Pass
802.11ac (VHT20)	MIMO	5180	20	102	5180.040	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5180.060	5150 to 5250	Pass
			-20	120	5180.040	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.020	5150 to 5250	Pass
			30	120	5180.060	5150 to 5250	Pass
			40	120	5180.020	5150 to 5250	Pass
			50	120	5180.020	5150 to 5250	Pass
		5200	20	102	5200.060	5150 to 5250	Pass
				120	5200.080	5150 to 5250	Pass
				138	5200.040	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5200.040	5150 to 5250	Pass
			-10	120	5200.060	5150 to 5250	Pass
			0	120	5200.060	5150 to 5250	Pass
			10	120	5200.060	5150 to 5250	Pass



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		5240	30	120	5200.060	5150 to 5250	Pass
			40	120	5200.080	5150 to 5250	Pass
			50	120	5200.080	5150 to 5250	Pass
			20	102	5240.060	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				138	5240.060	5150 to 5250	Pass
			-30	120	5240.060	5150 to 5250	Pass
			-20	120	5240.060	5150 to 5250	Pass
			-10	120	5240.040	5150 to 5250	Pass
			0	120	5240.080	5150 to 5250	Pass
			10	120	5240.060	5150 to 5250	Pass
			30	120	5240.060	5150 to 5250	Pass
		5745	40	120	5240.080	5150 to 5250	Pass
			50	120	5240.040	5150 to 5250	Pass
			20	102	5745.040	5725 to 5850	Pass
				120	5745.060	5725 to 5850	Pass
				138	5745.100	5725 to 5850	Pass
			-30	120	5745.040	5725 to 5850	Pass
			-20	120	5745.100	5725 to 5850	Pass
			-10	120	5745.060	5725 to 5850	Pass
			0	120	5745.080	5725 to 5850	Pass
			10	120	5745.060	5725 to 5850	Pass
			30	120	5745.040	5725 to 5850	Pass
			40	120	5745.060	5725 to 5850	Pass
		5785	50	120	5745.060	5725 to 5850	Pass
			20	102	5785.060	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.040	5725 to 5850	Pass
			-30	120	5785.040	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass
			0	120	5785.060	5725 to 5850	Pass
			10	120	5785.060	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass
			40	120	5785.040	5725 to 5850	Pass
			50	120	5785.000	5725 to 5850	Pass
		5825	20	102	5825.080	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.080	5725 to 5850	Pass
			-30	120	5825.060	5725 to 5850	Pass
			-20	120	5825.060	5725 to 5850	Pass
			-10	120	5825.040	5725 to 5850	Pass
			0	120	5825.100	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5825.080	5725 to 5850	Pass
			40	120	5825.040	5725 to 5850	Pass
			50	120	5825.060	5725 to 5850	Pass
802.11ac (VHT40)	MIMO	5190	20	102	5190.160	5150 to 5250	Pass
				120	5190.120	5150 to 5250	Pass
				138	5190.080	5150 to 5250	Pass
			-30	120	5190.200	5150 to 5250	Pass
			-20	120	5190.080	5150 to 5250	Pass



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			-10	120	5190.160	5150 to 5250	Pass
			0	120	5190.160	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.160	5150 to 5250	Pass
			40	120	5190.200	5150 to 5250	Pass
			50	120	5190.160	5150 to 5250	Pass
		5230	20	102	5230.080	5150 to 5250	Pass
				120	5230.120	5150 to 5250	Pass
				138	5230.080	5150 to 5250	Pass
			-30	120	5230.120	5150 to 5250	Pass
			-20	120	5230.120	5150 to 5250	Pass
			-10	120	5230.120	5150 to 5250	Pass
			0	120	5230.120	5150 to 5250	Pass
			10	120	5230.120	5150 to 5250	Pass
			30	120	5230.080	5150 to 5250	Pass
			40	120	5230.160	5150 to 5250	Pass
			50	120	5230.120	5150 to 5250	Pass
		5755	20	102	5755.080	5725 to 5850	Pass
				120	5755.120	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
			-30	120	5755.080	5725 to 5850	Pass
			-20	120	5755.040	5725 to 5850	Pass
			-10	120	5755.080	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.080	5725 to 5850	Pass
			30	120	5755.120	5725 to 5850	Pass
			40	120	5755.160	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.120	5725 to 5850	Pass
				120	5795.080	5725 to 5850	Pass
				138	5795.120	5725 to 5850	Pass
			-30	120	5795.120	5725 to 5850	Pass
			-20	120	5795.080	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.080	5725 to 5850	Pass
			10	120	5795.160	5725 to 5850	Pass
			30	120	5795.080	5725 to 5850	Pass
			40	120	5795.040	5725 to 5850	Pass
			50	120	5795.080	5725 to 5850	Pass
802.11ac (VHT80)	MIMO	5210	20	102	5210.150	5150 to 5250	Pass
				120	5210.150	5150 to 5250	Pass
				138	5210.150	5150 to 5250	Pass
			-30	120	5210.150	5150 to 5250	Pass
			-20	120	5210.150	5150 to 5250	Pass
			-10	120	5210.075	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.150	5150 to 5250	Pass
			30	120	5210.150	5150 to 5250	Pass
			40	120	5210.150	5150 to 5250	Pass
			50	120	5210.150	5150 to 5250	Pass
		5775	20	102	5775.150	5725 to 5850	Pass
				120	5775.075	5725 to 5850	Pass



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			138	5775.075	5725 to 5850	Pass
		-30	120	5775.075	5725 to 5850	Pass
		-20	120	5775.150	5725 to 5850	Pass
		-10	120	5775.150	5725 to 5850	Pass
		0	120	5775.075	5725 to 5850	Pass
		10	120	5775.075	5725 to 5850	Pass
		30	120	5775.075	5725 to 5850	Pass
		40	120	5775.150	5725 to 5850	Pass
		50	120	5775.075	5725 to 5850	Pass



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