

Appendix B for KSCR2110000013702

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	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
802.11n (HT40)	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
		5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT20)	MIMO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT40)	MIMO	5190	100.000	100.000	100.00	0.00	0.00
		5230	100.000	100.000	100.00	0.00	0.00
		5755	100.000	100.000	100.00	0.00	0.00
		5795	100.000	100.000	100.00	0.00	0.00
802.11ac (VHT80)	MIMO	5210	100.000	100.000	100.00	0.00	0.00
		5775	100.000	100.000	100.00	0.00	0.00



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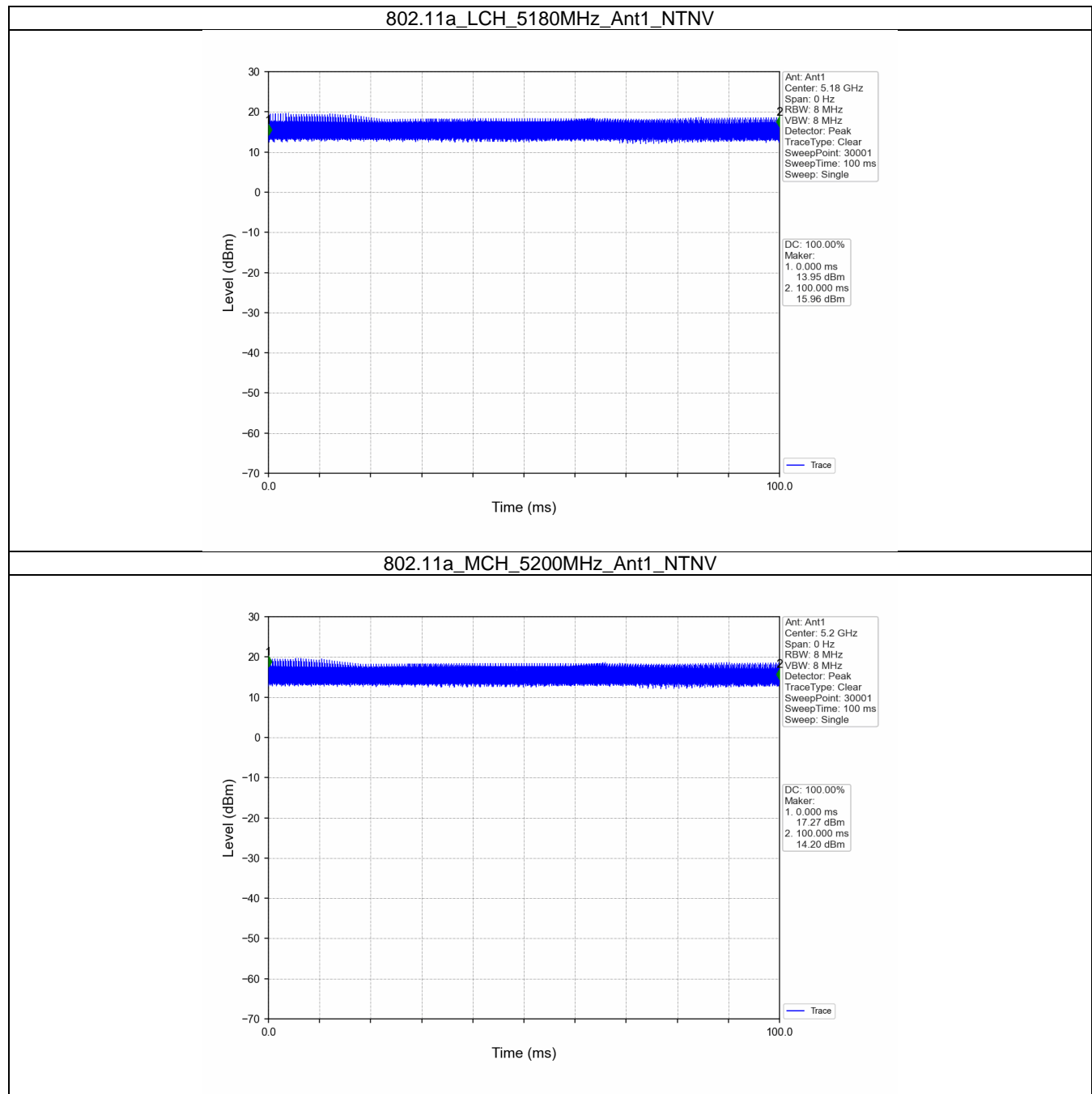
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1.1.2 Test Graph



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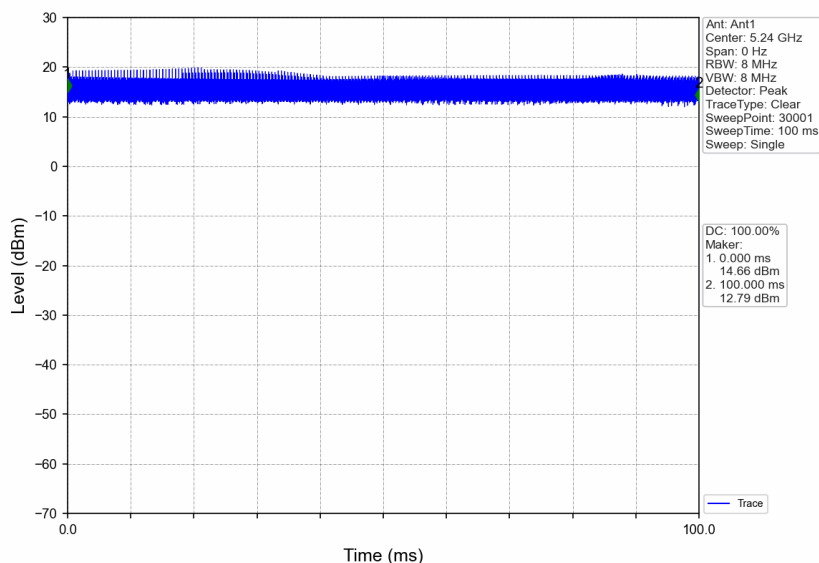
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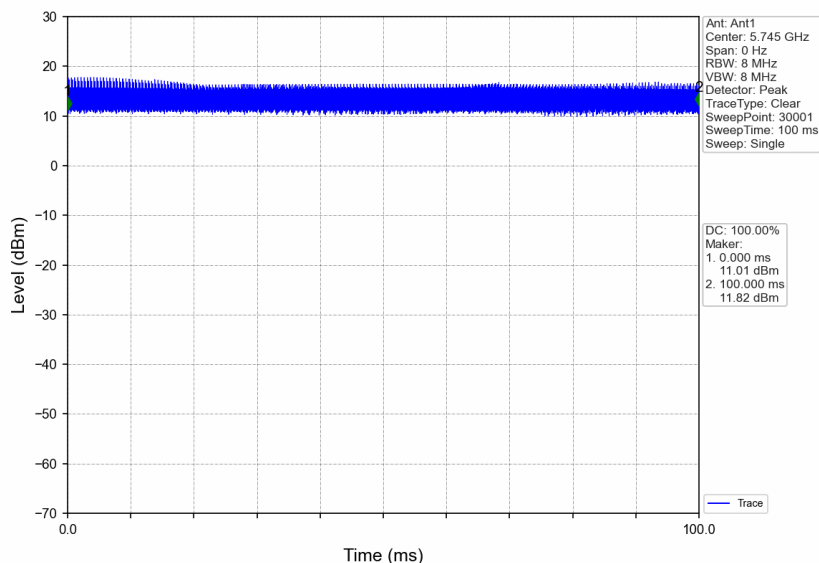
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



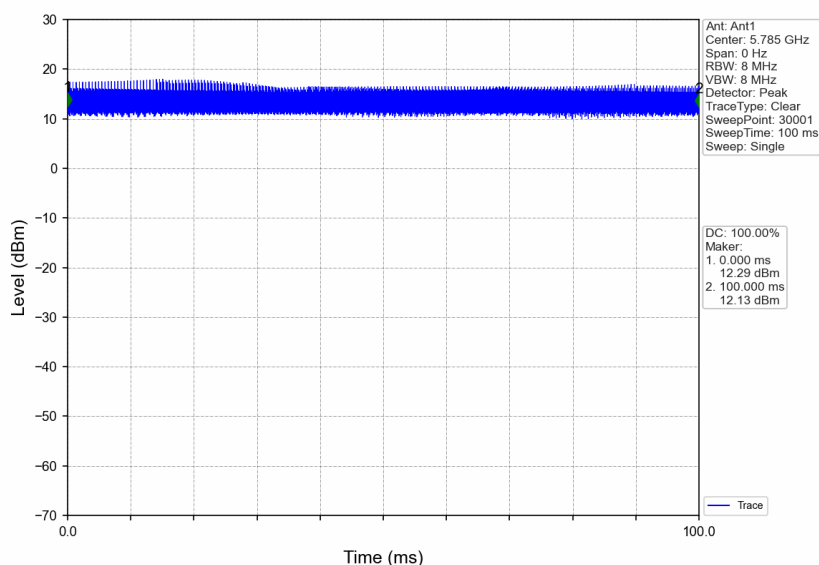
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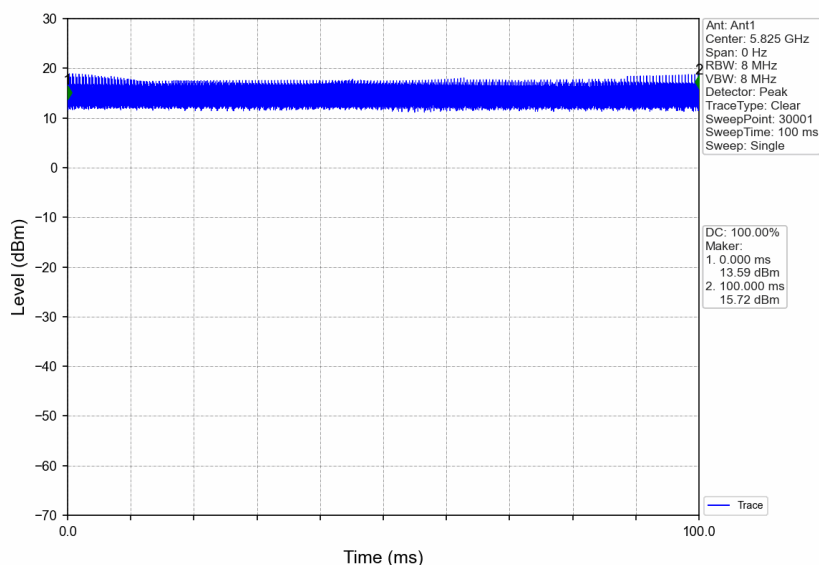
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



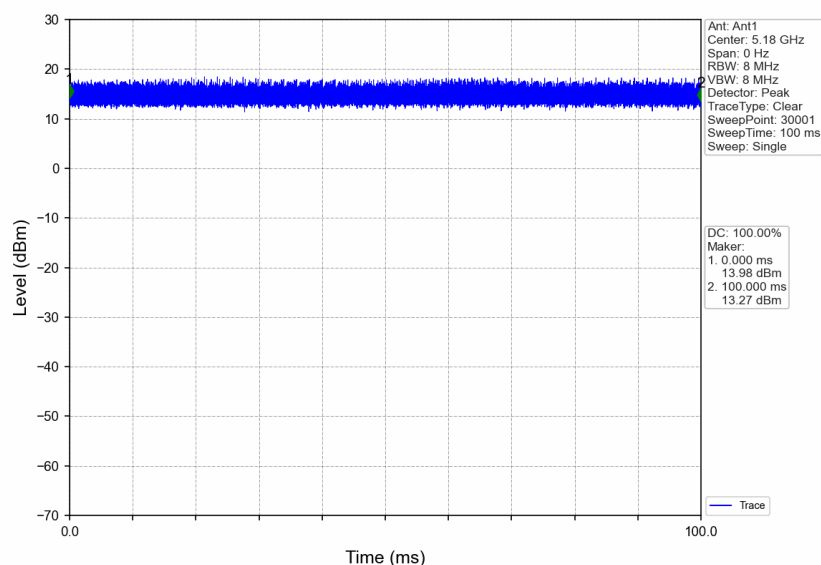
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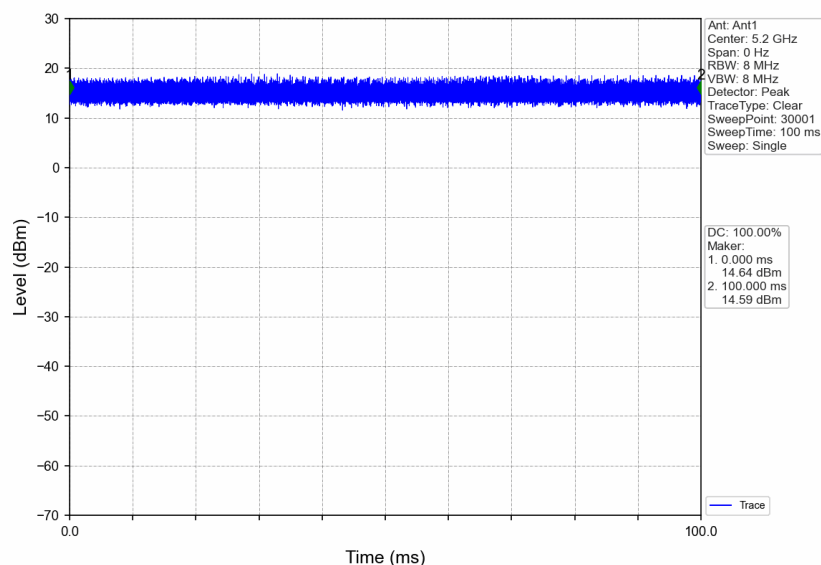
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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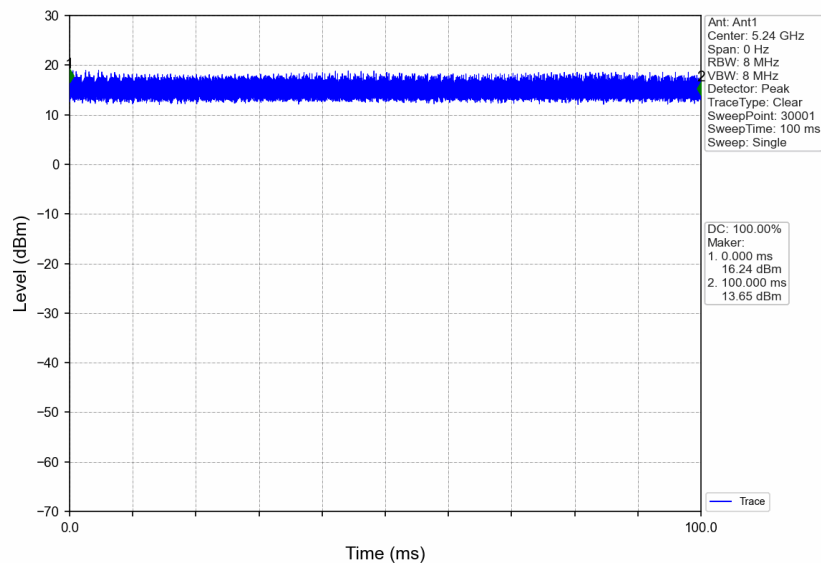
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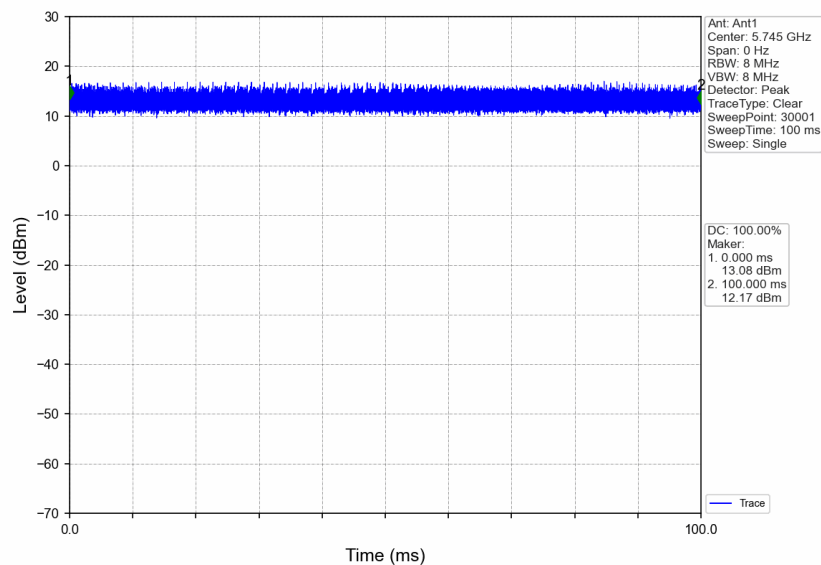
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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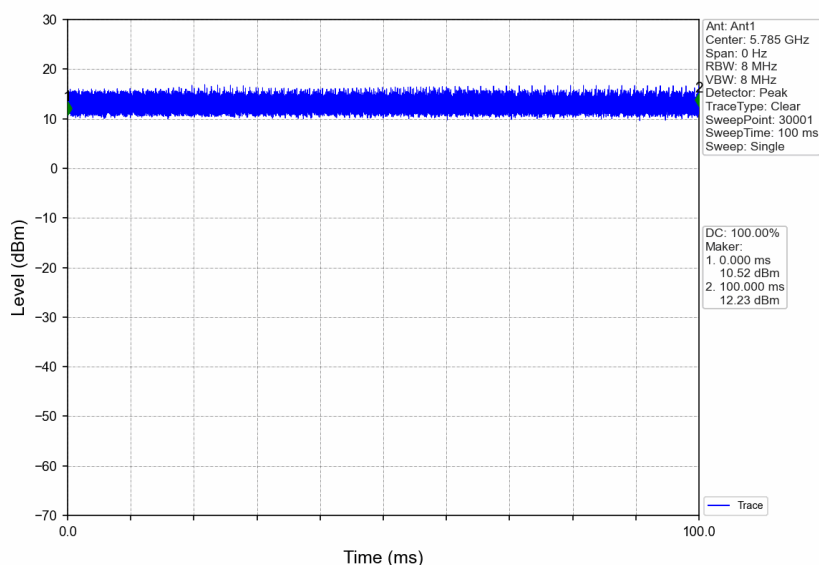
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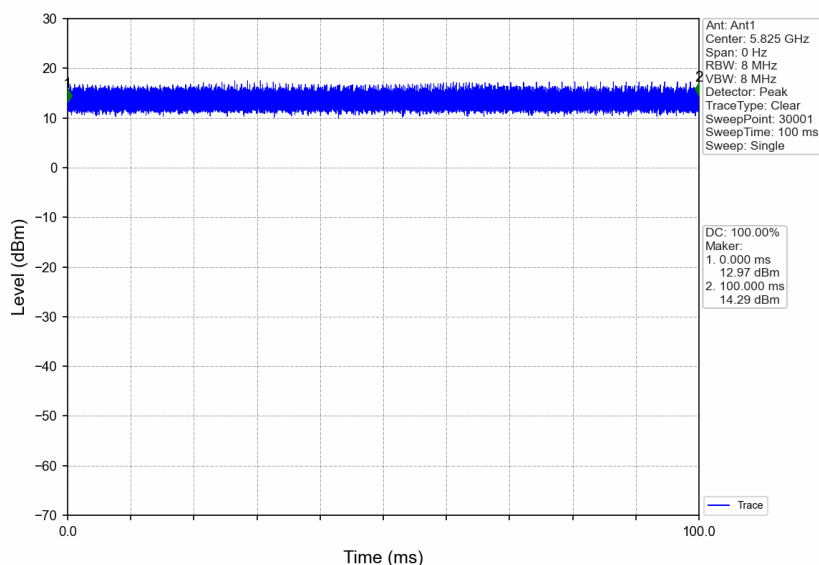
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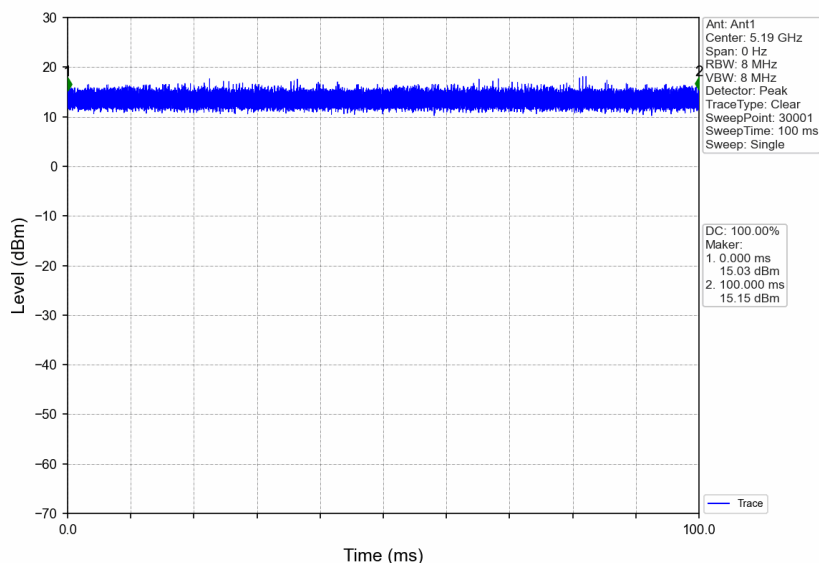
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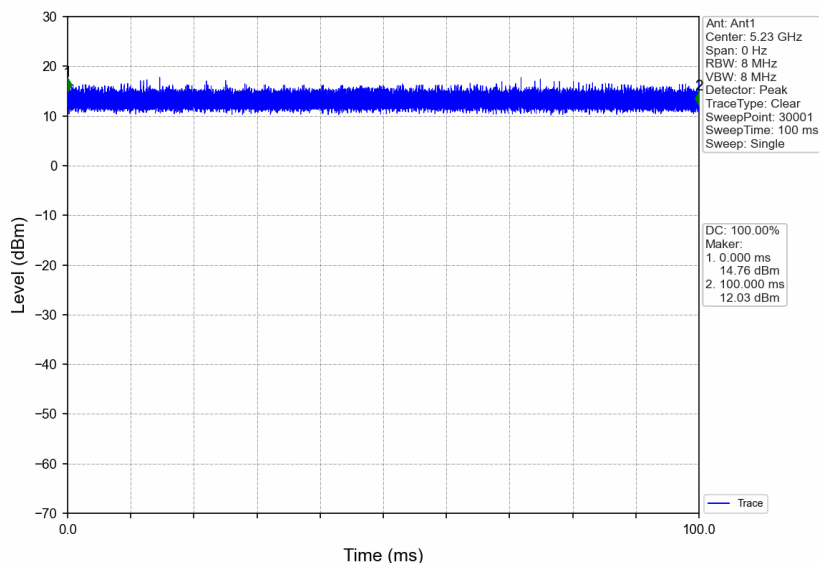
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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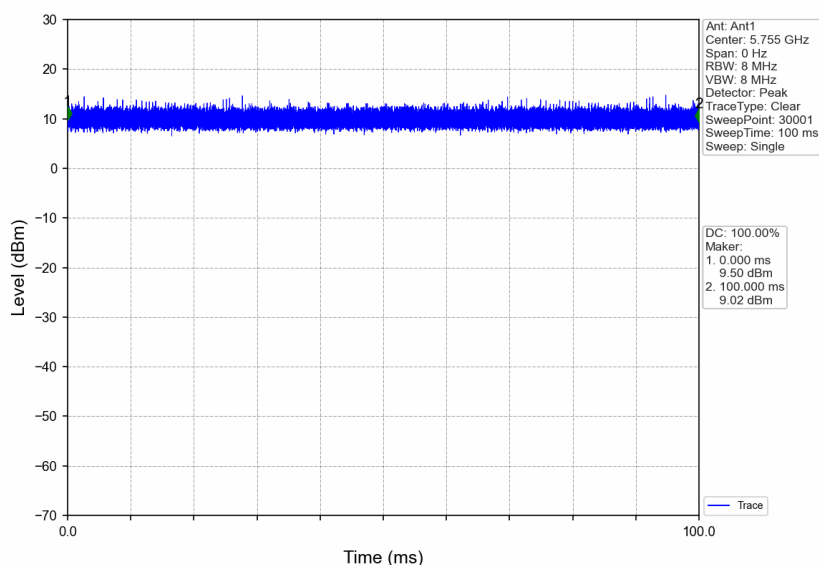
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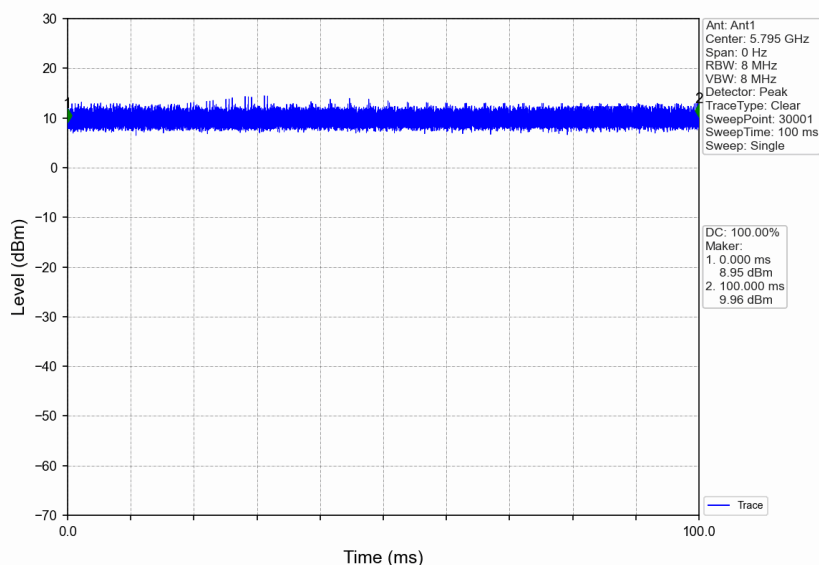
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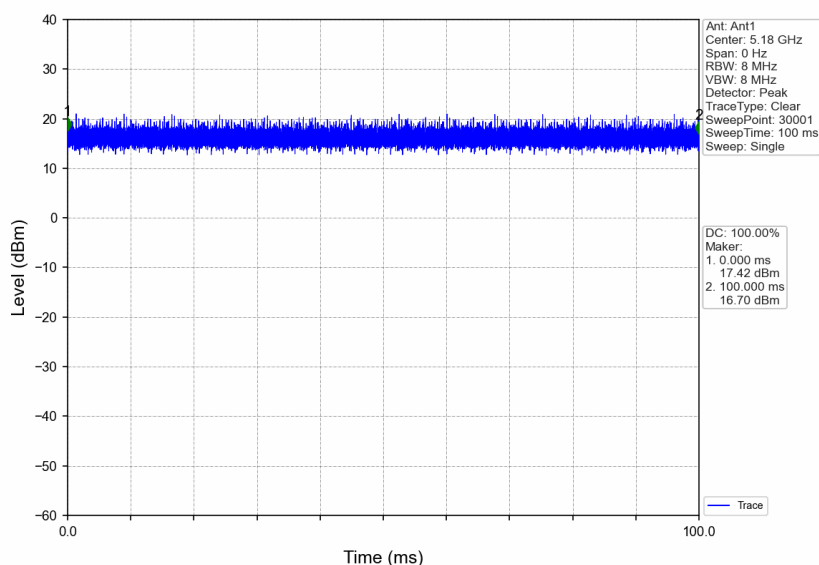
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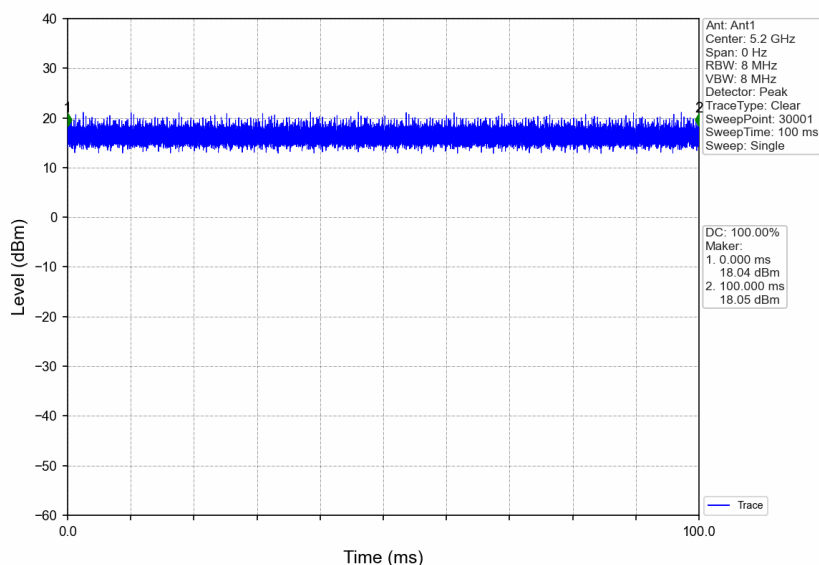
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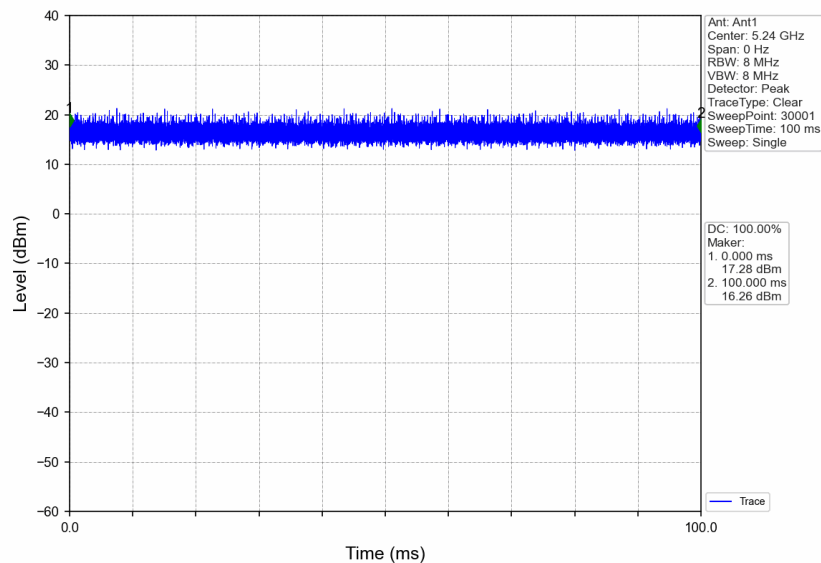
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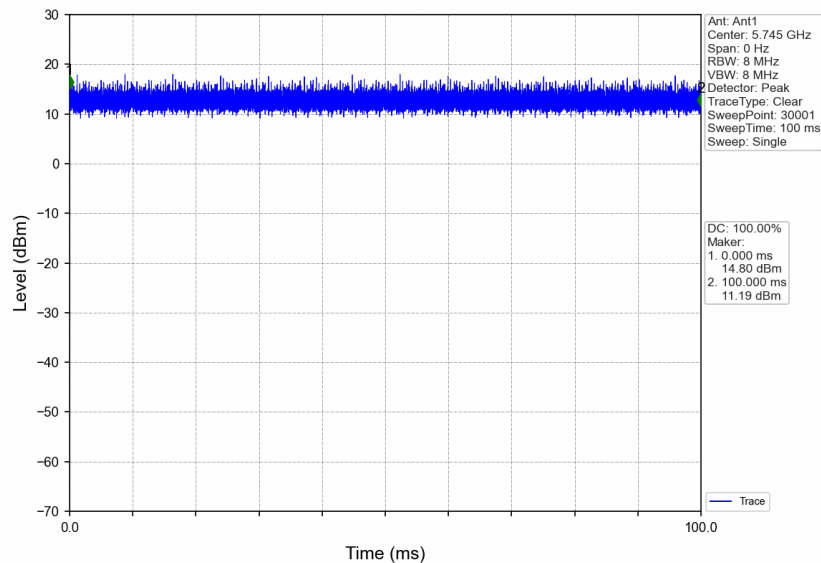
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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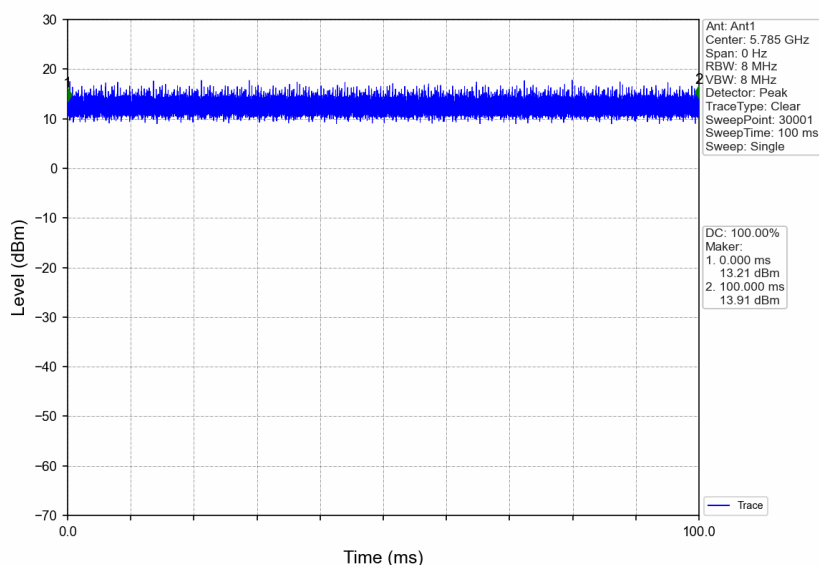
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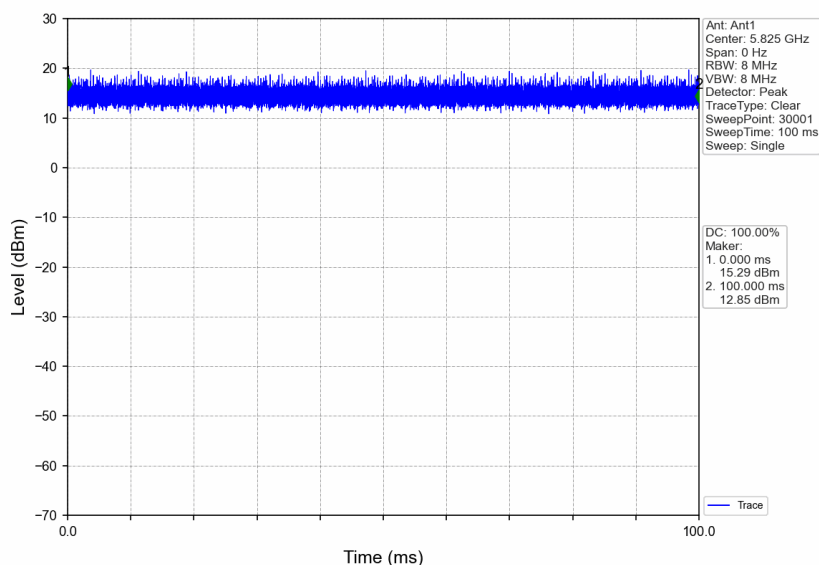
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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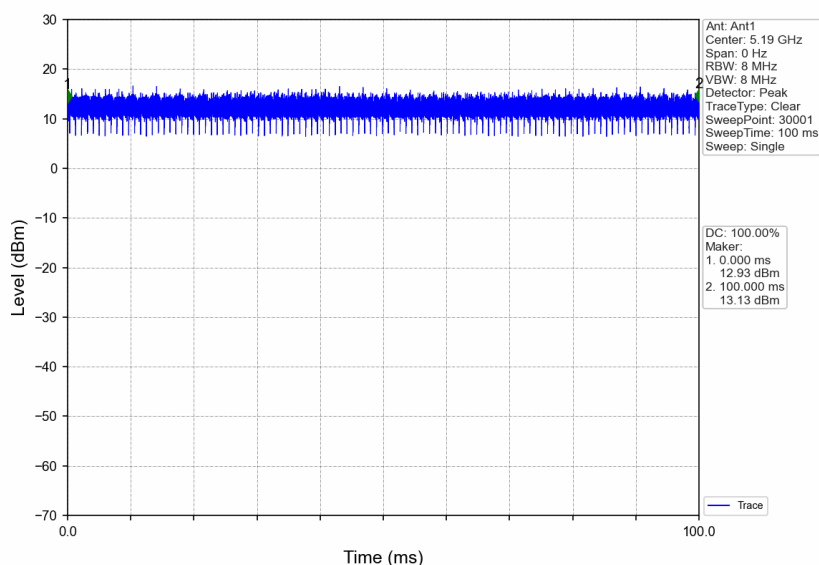
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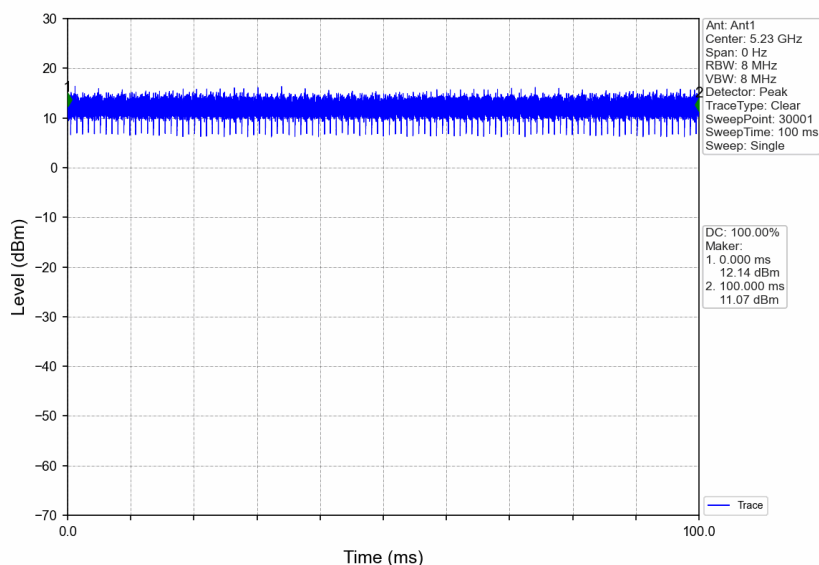
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



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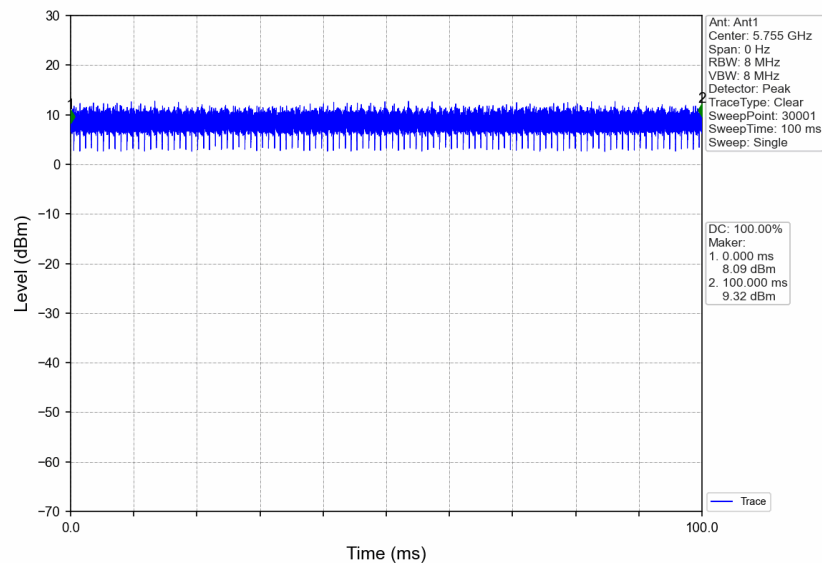
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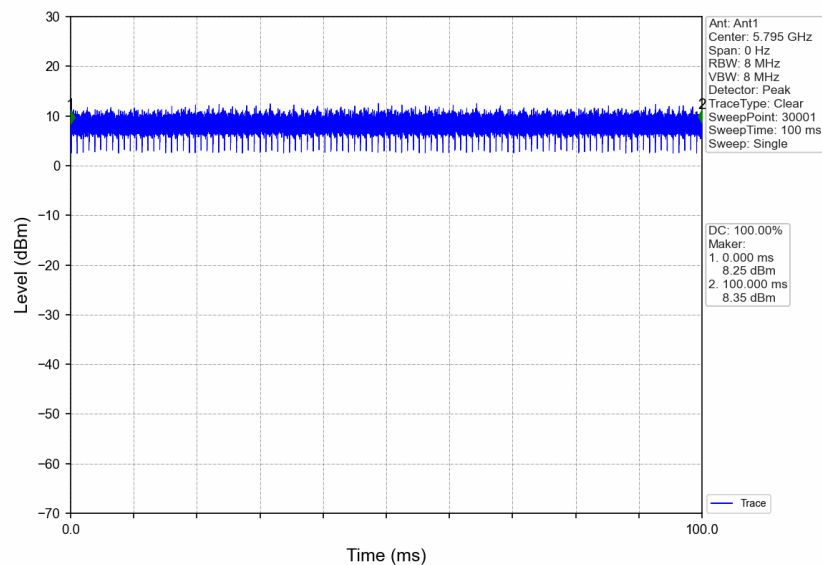
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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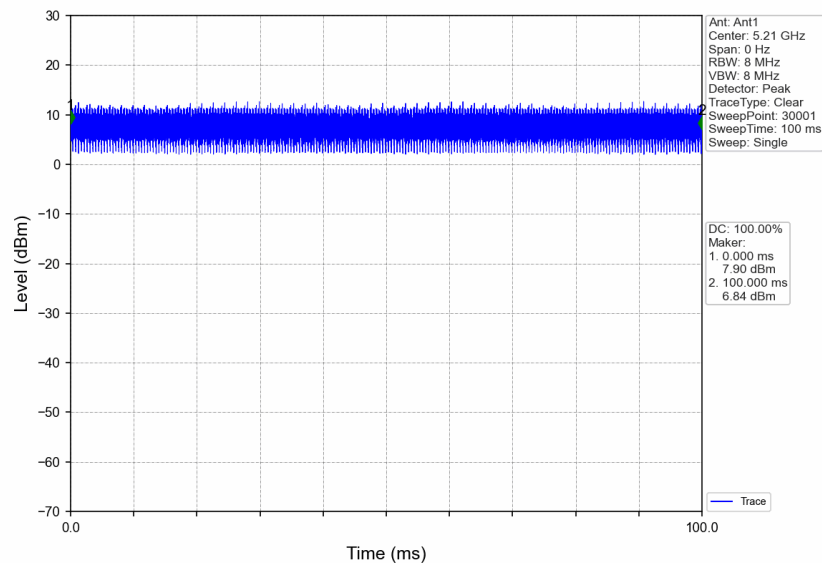
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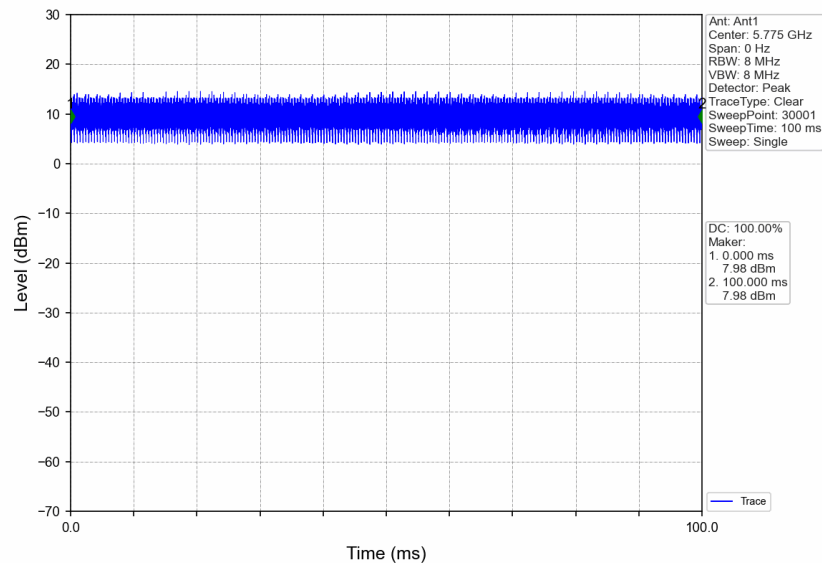
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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	16.673	Pass
			2	16.634	Pass
		5200	1	16.686	Pass
			2	16.630	Pass
		5240	1	16.686	Pass
			2	16.617	Pass
		5745	1	16.684	Pass
			2	16.655	Pass
		5785	1	16.684	Pass
			2	16.630	Pass
		5825	1	16.662	Pass
			2	16.615	Pass
802.11n (HT20)	MIMO	5180	1	17.761	Pass
			2	17.771	Pass
		5200	1	17.761	Pass
			2	17.761	Pass
		5240	1	17.755	Pass
			2	17.756	Pass
		5745	1	17.775	Pass
			2	17.774	Pass
		5785	1	17.785	Pass
			2	17.754	Pass
		5825	1	17.789	Pass
			2	17.754	Pass
802.11n (HT40)	MIMO	5190	1	36.410	Pass
			2	36.452	Pass
		5230	1	36.446	Pass
			2	36.408	Pass
		5755	1	36.407	Pass
			2	36.366	Pass
		5795	1	36.439	Pass
			2	36.410	Pass
802.11ac (VHT20)	MIMO	5180	1	17.794	Pass
			2	17.755	Pass
		5200	1	17.787	Pass
			2	17.757	Pass
		5240	1	17.767	Pass
			2	17.750	Pass
		5745	1	17.786	Pass
			2	17.766	Pass
		5785	1	17.794	Pass
			2	17.740	Pass



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		5825	1	17.759	Pass
			2	17.761	Pass
802.11ac (VHT40)	MIMO	5190	1	36.457	Pass
			2	36.450	Pass
		5230	1	36.461	Pass
			2	36.446	Pass
		5755	1	36.476	Pass
			2	36.376	Pass
		5795	1	36.481	Pass
			2	36.510	Pass
802.11ac (VHT80)	MIMO	5210	1	75.077	Pass
			2	75.076	Pass
		5775	1	74.944	Pass
			2	74.954	Pass



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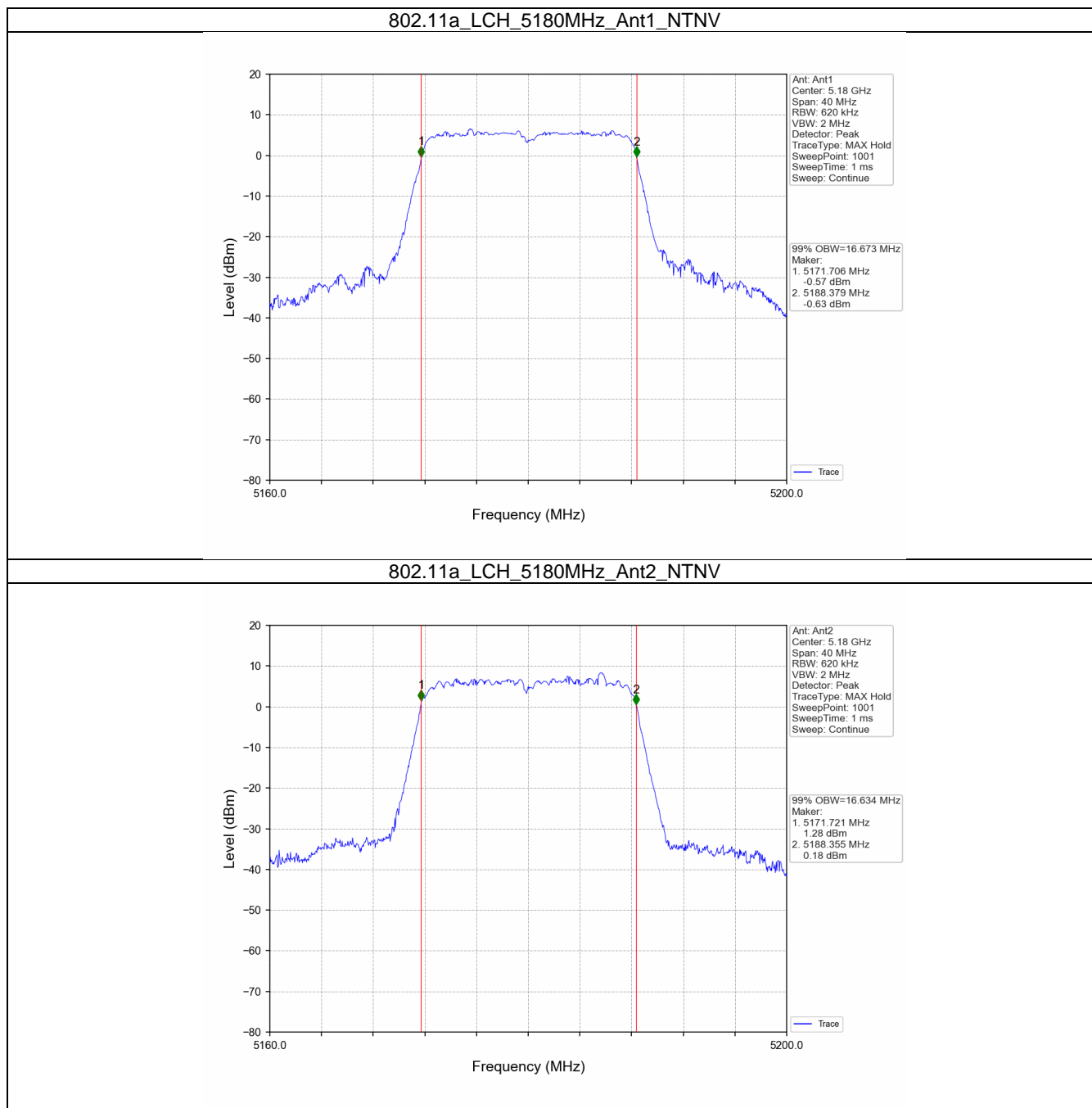
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2.1.2 Test Graph



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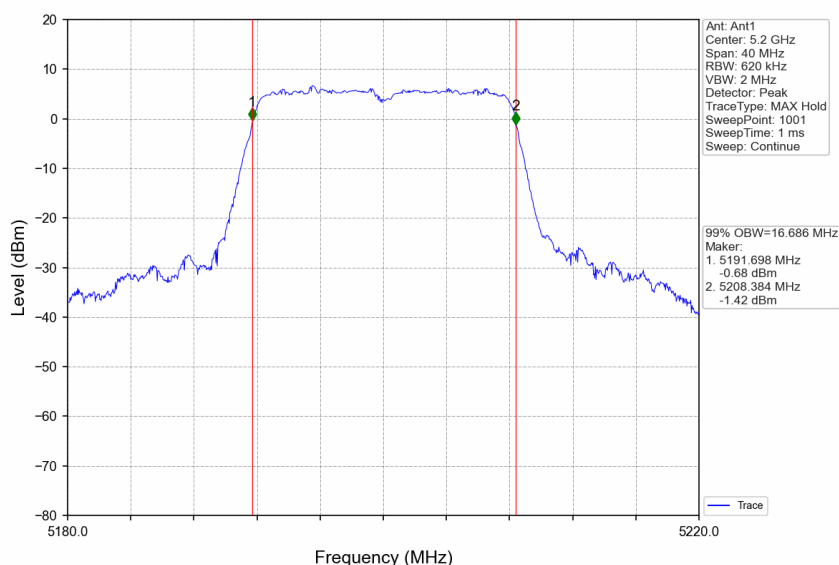
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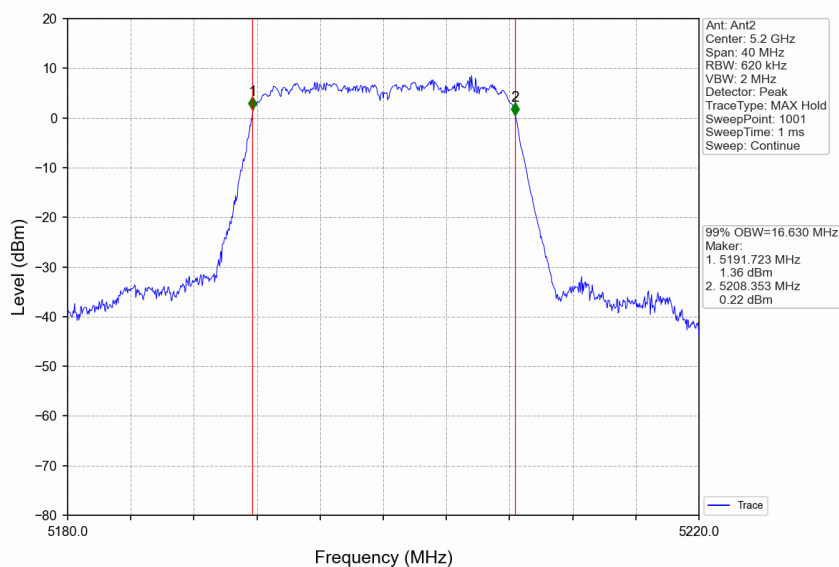
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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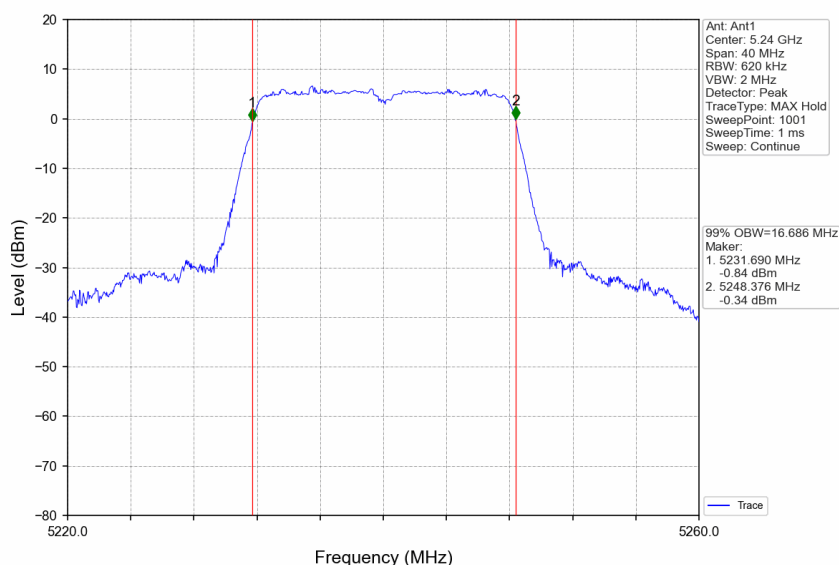
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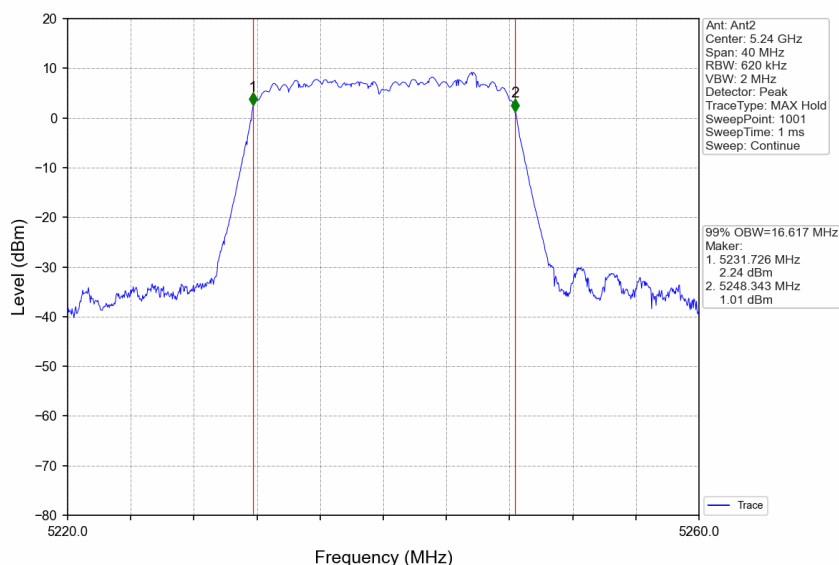
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802.11a_HCH_5240MHz_Ant2_NTNV



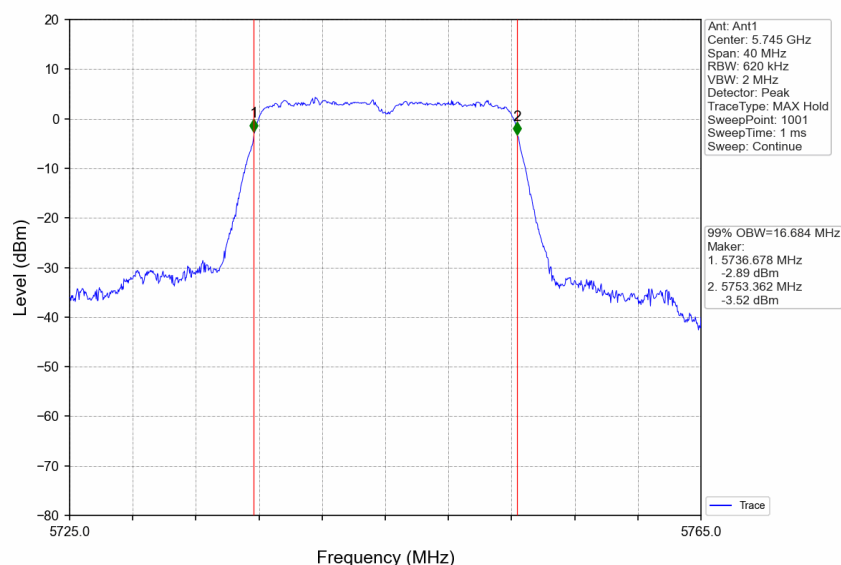
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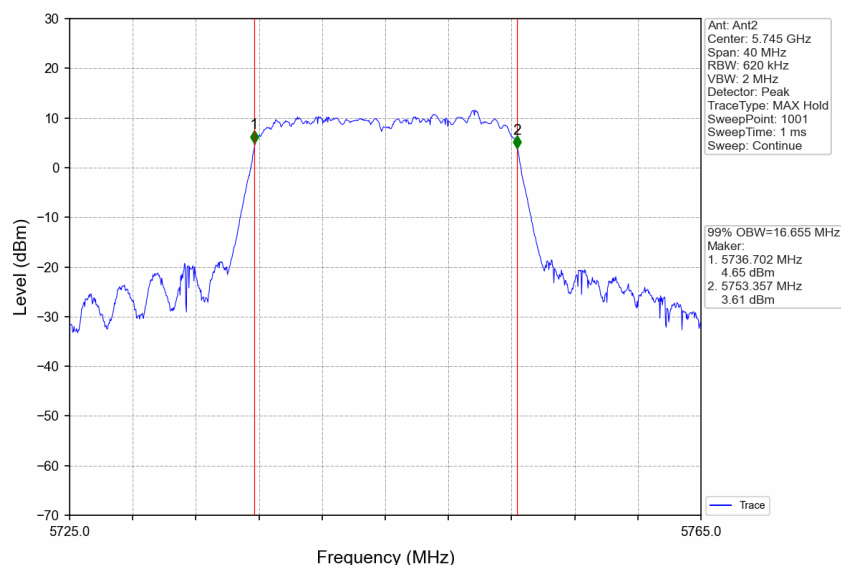
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802.11a_LCH_5745MHz_Ant2_NTNV



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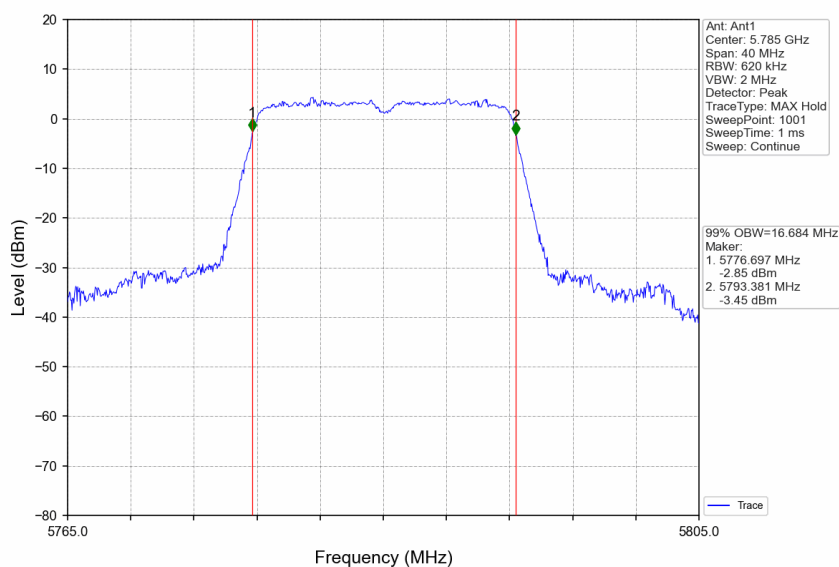
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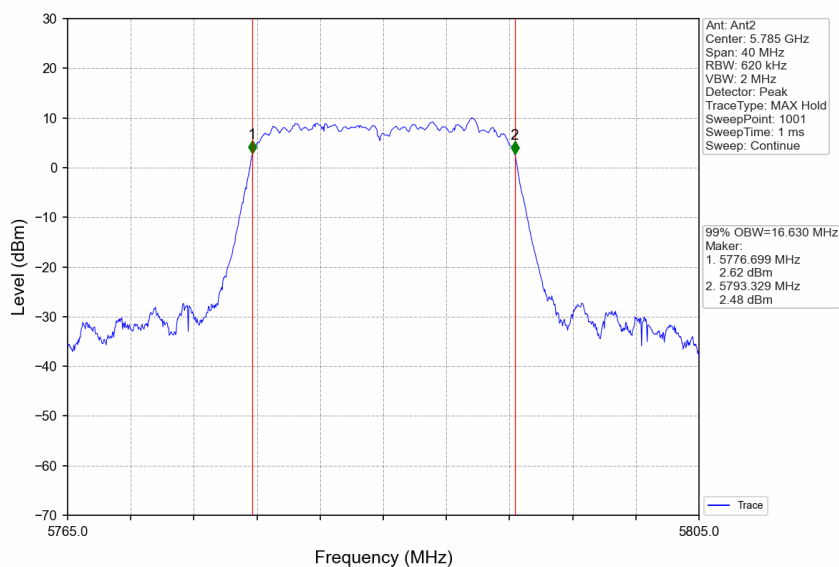
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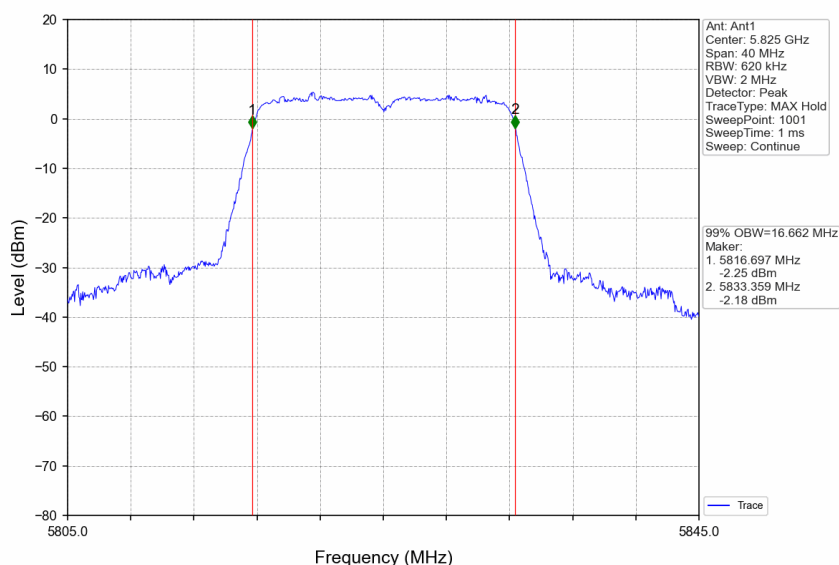
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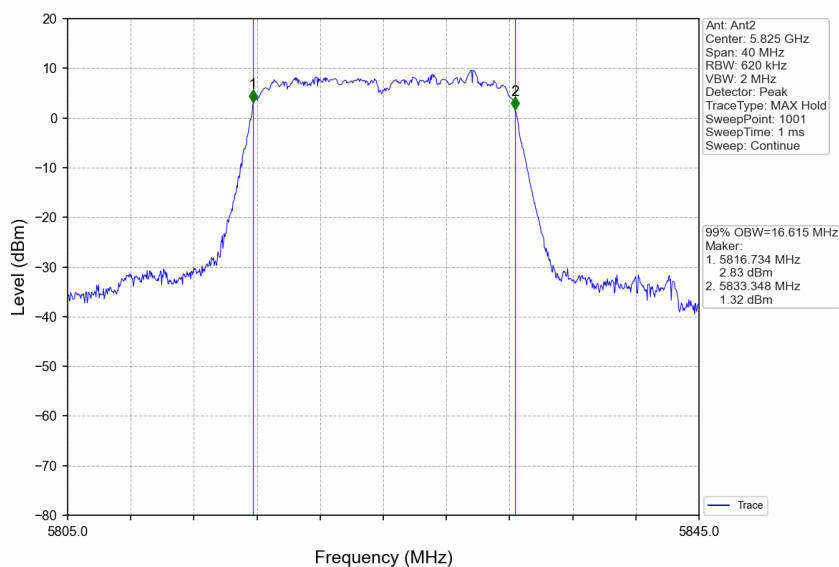
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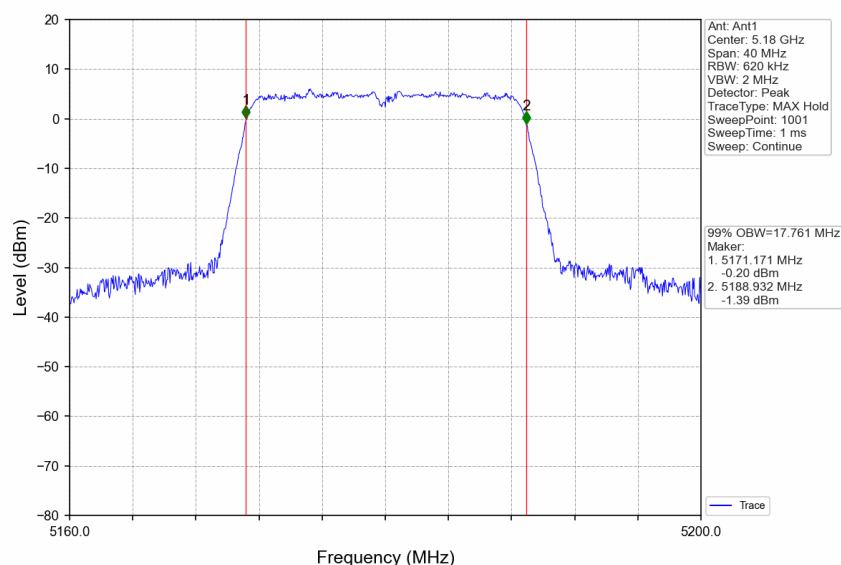
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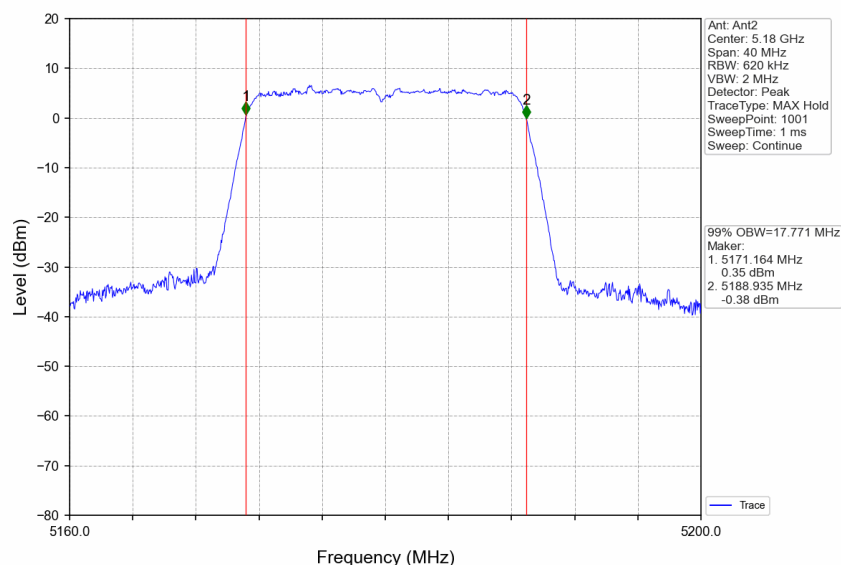
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802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



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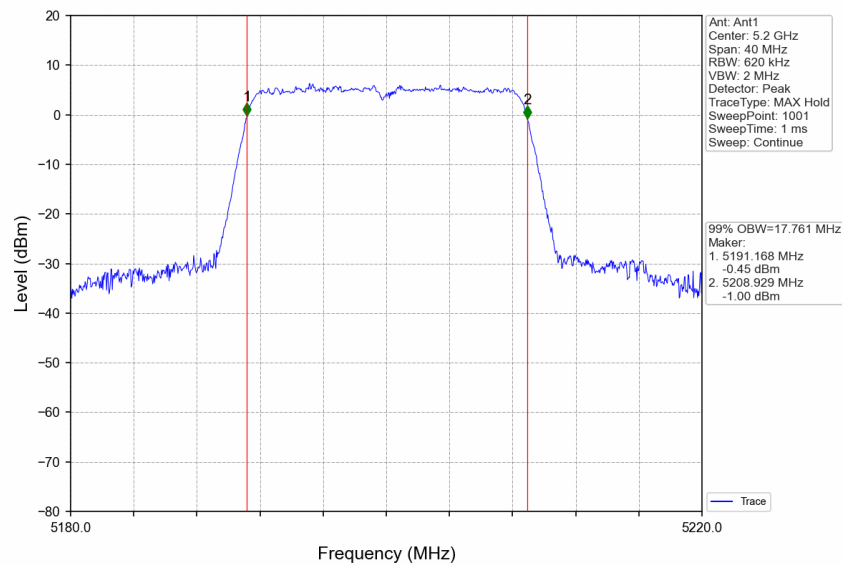
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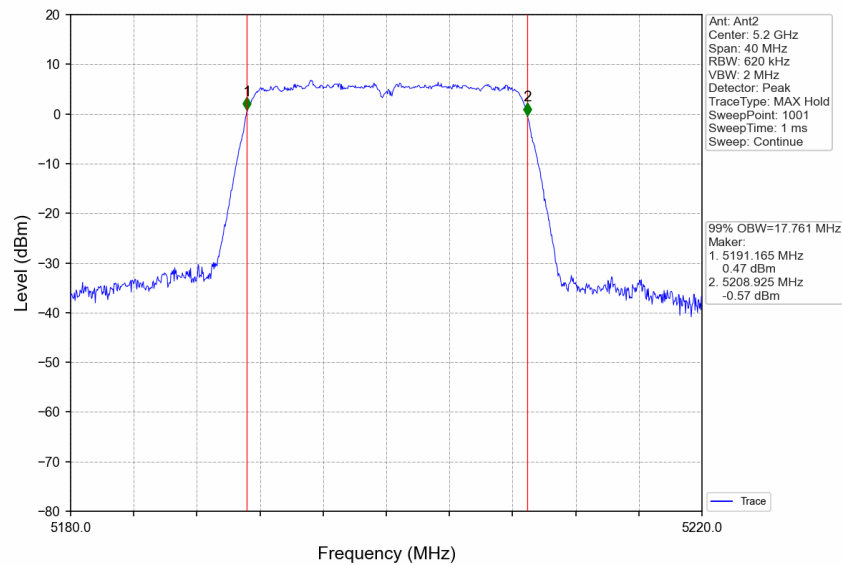
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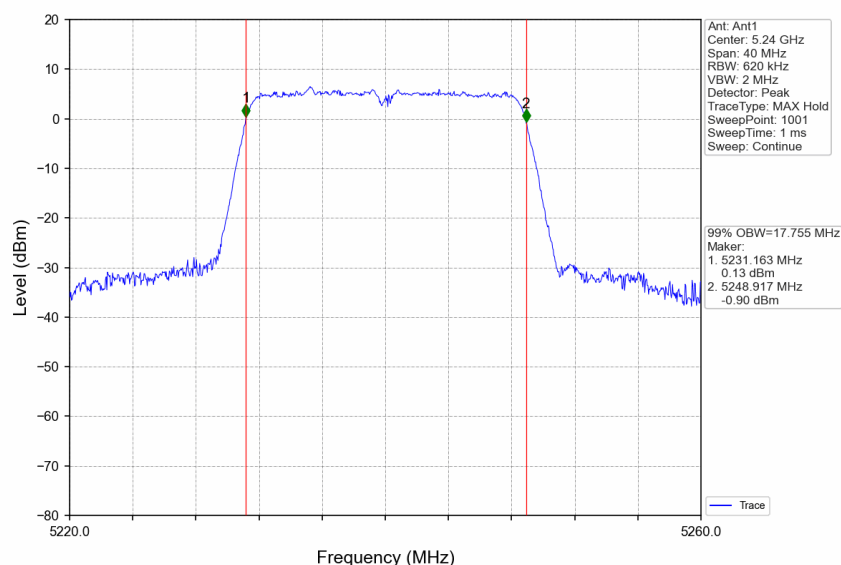
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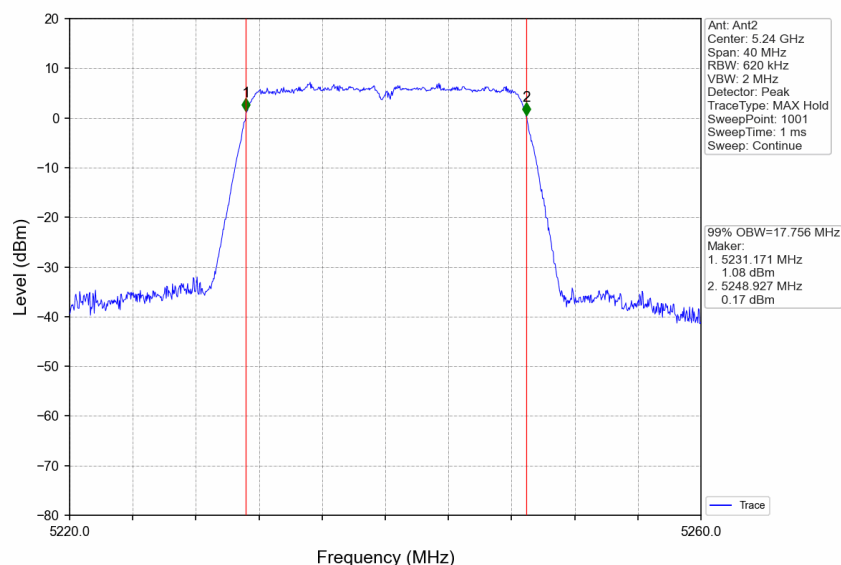
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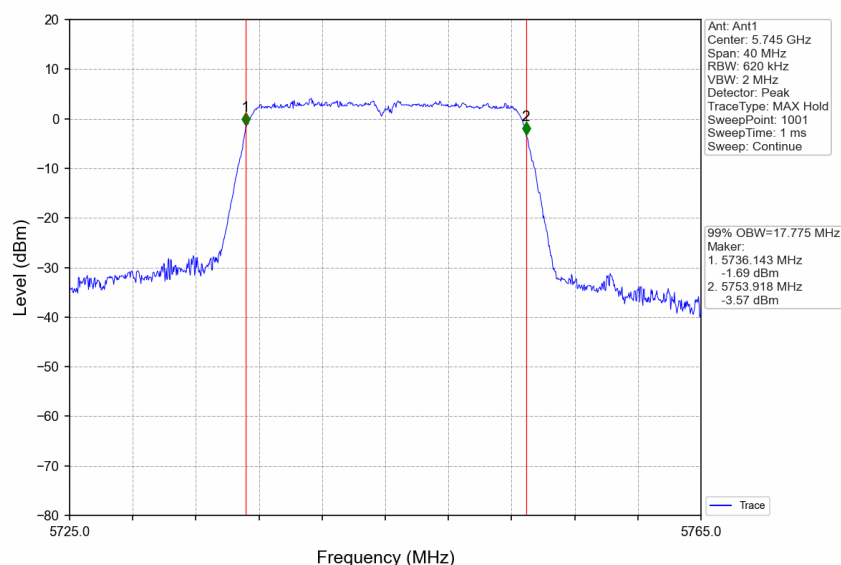
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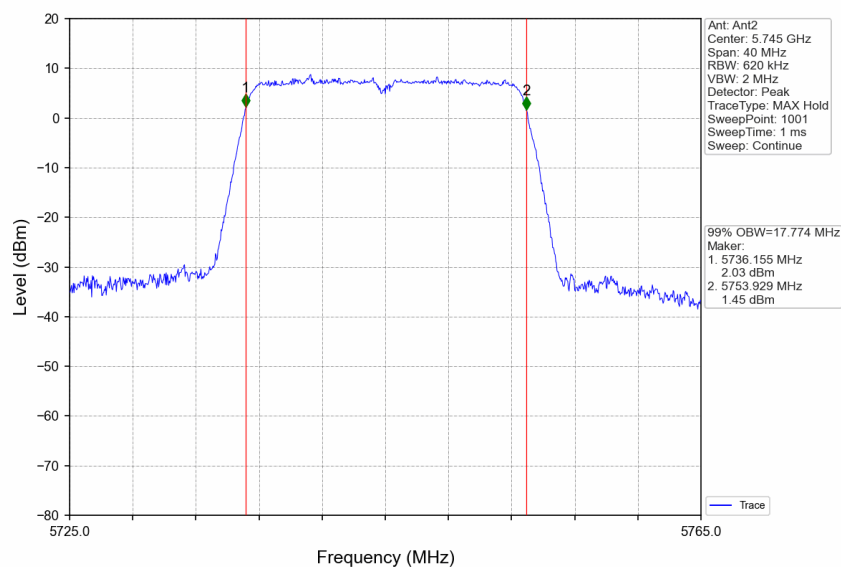
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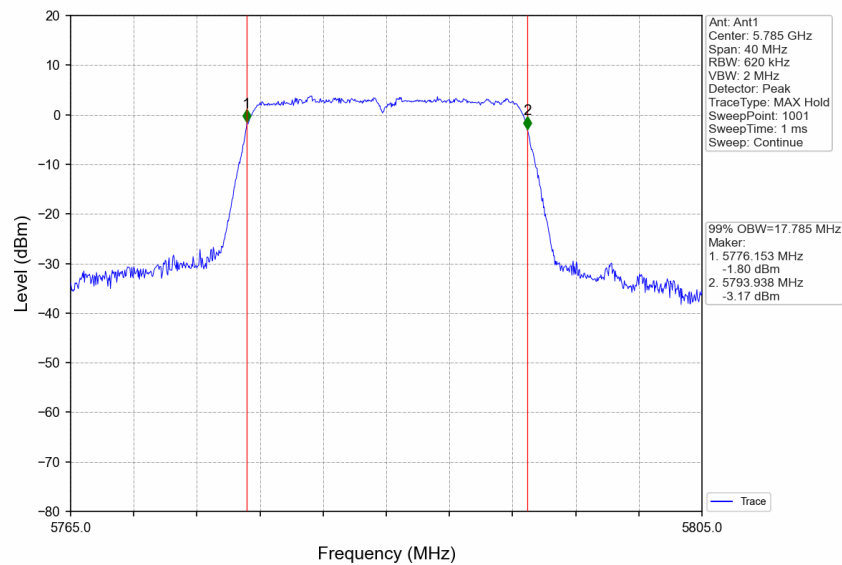
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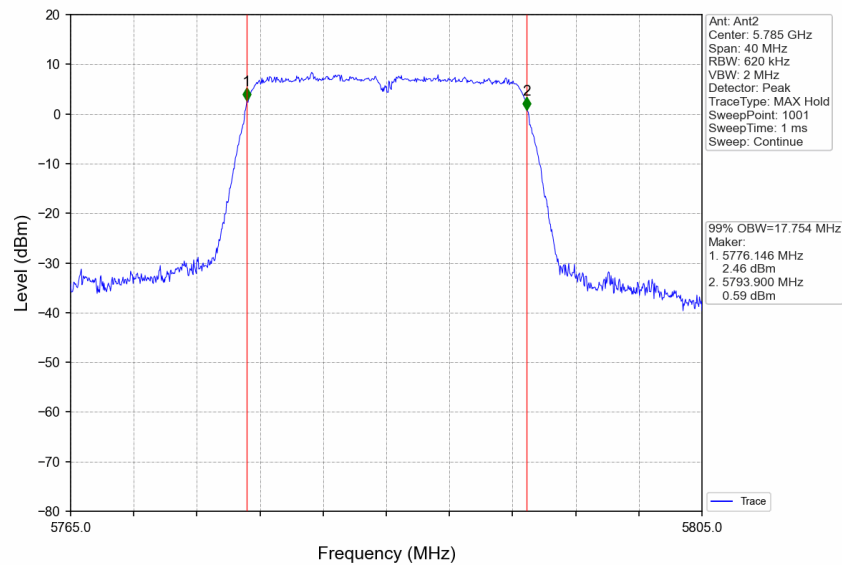
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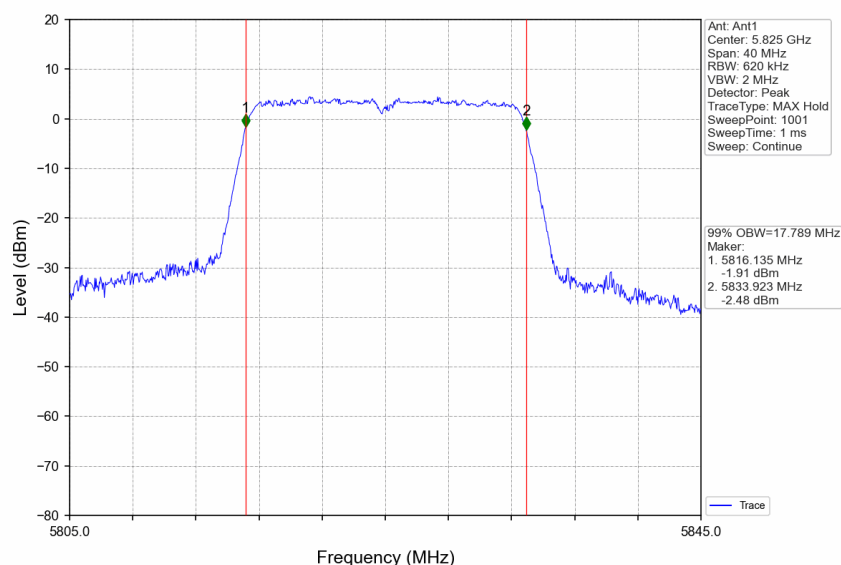
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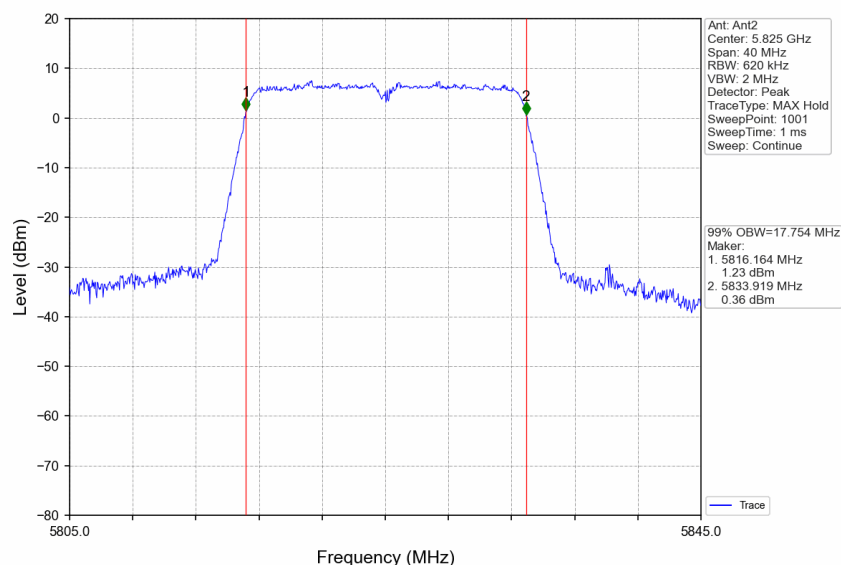
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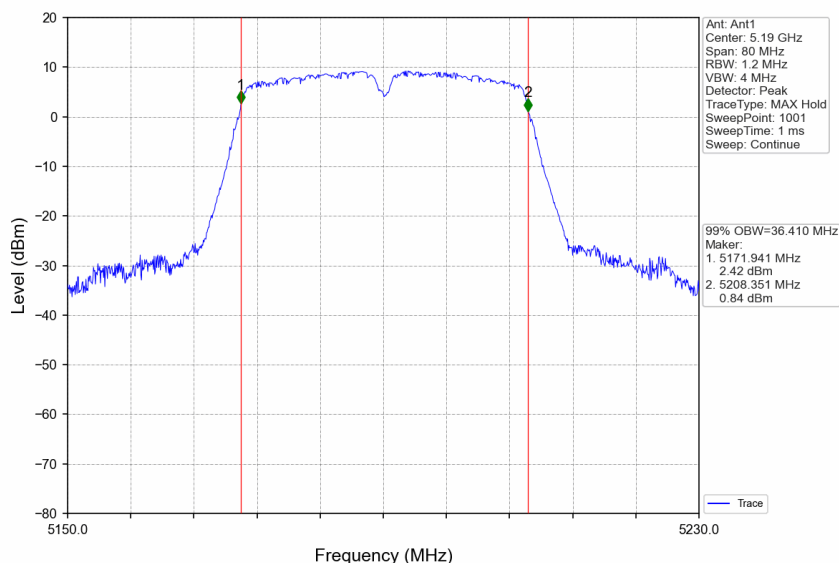
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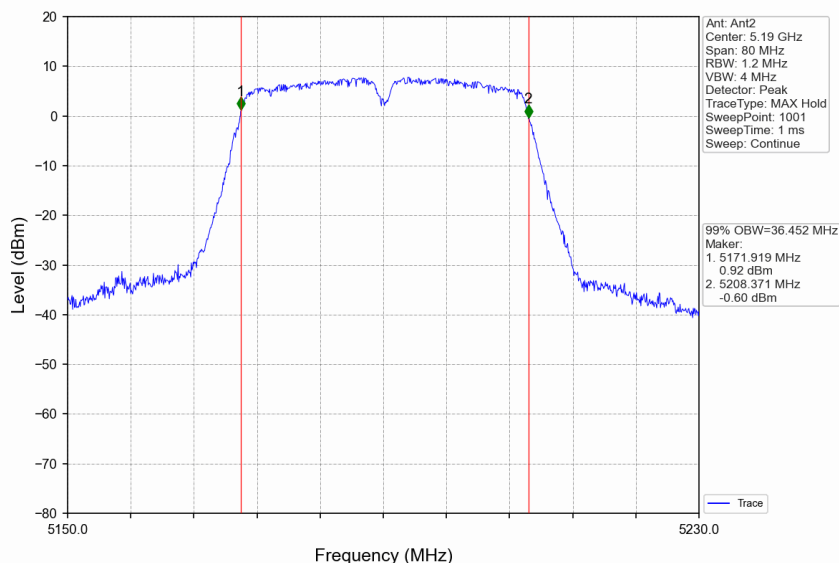
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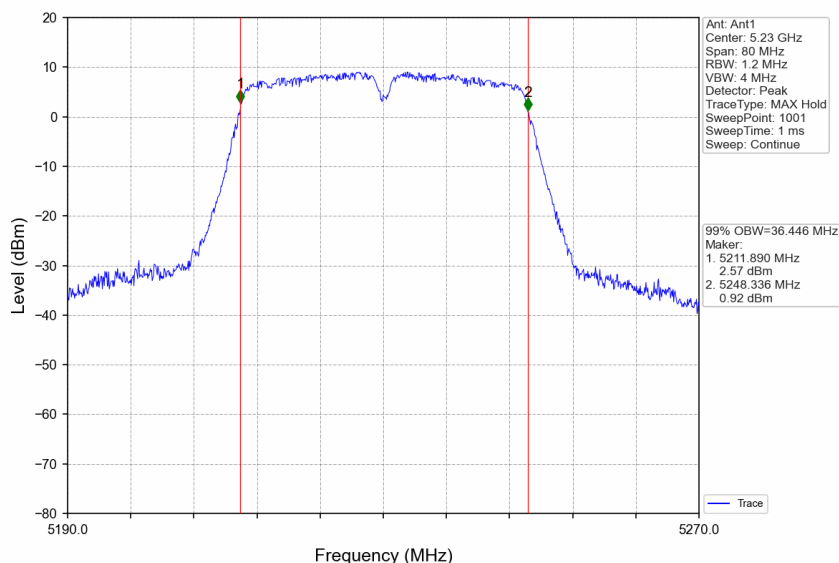
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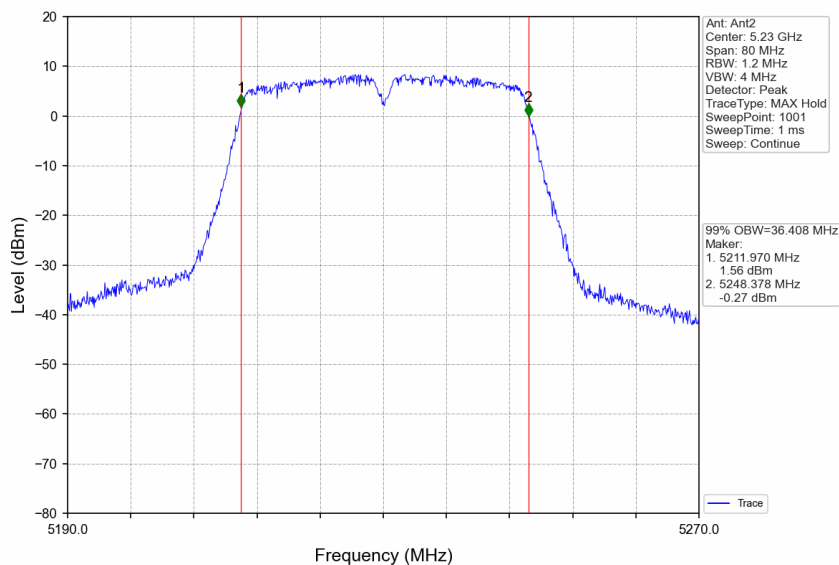
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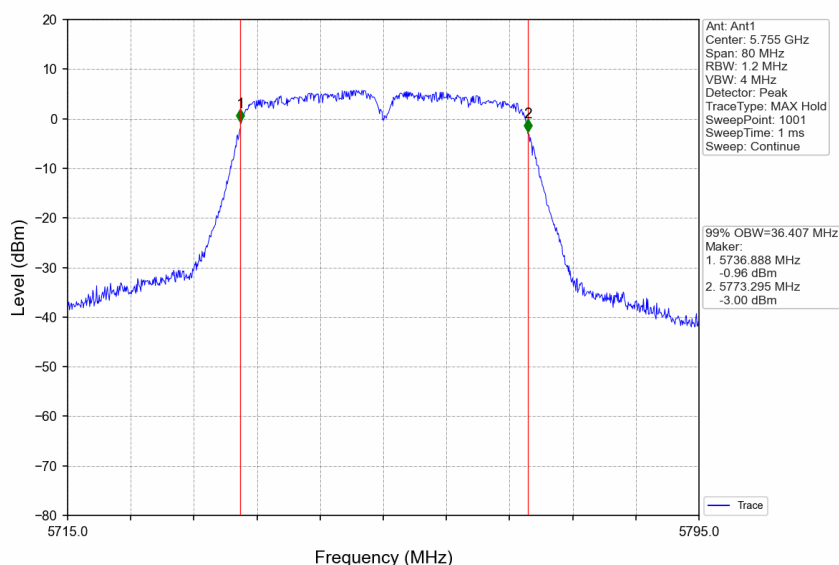
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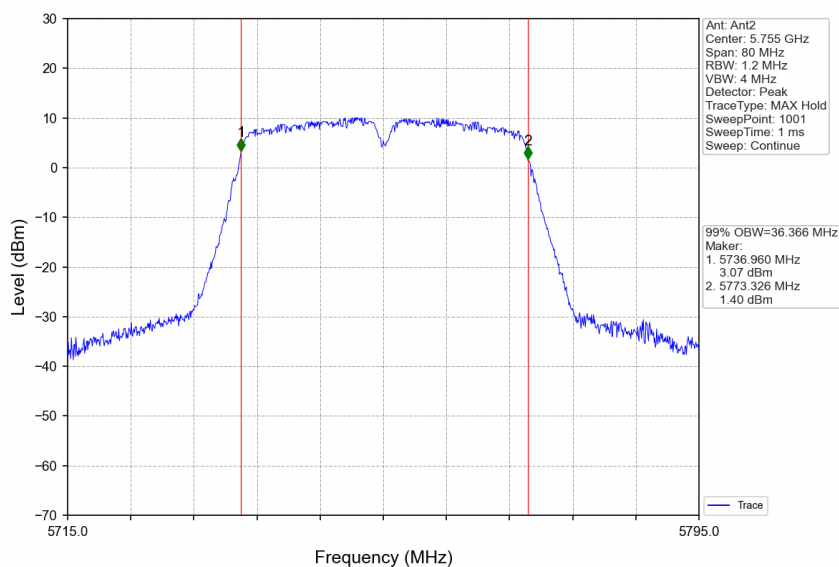
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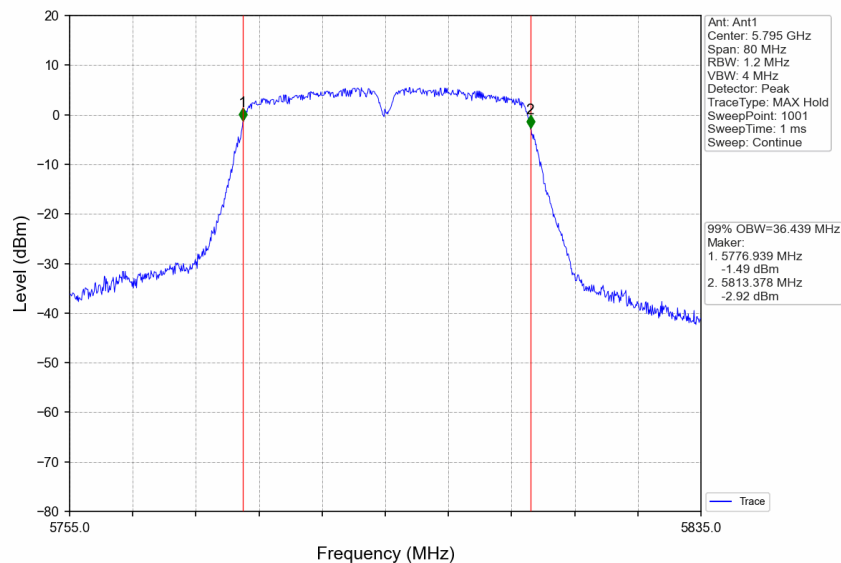
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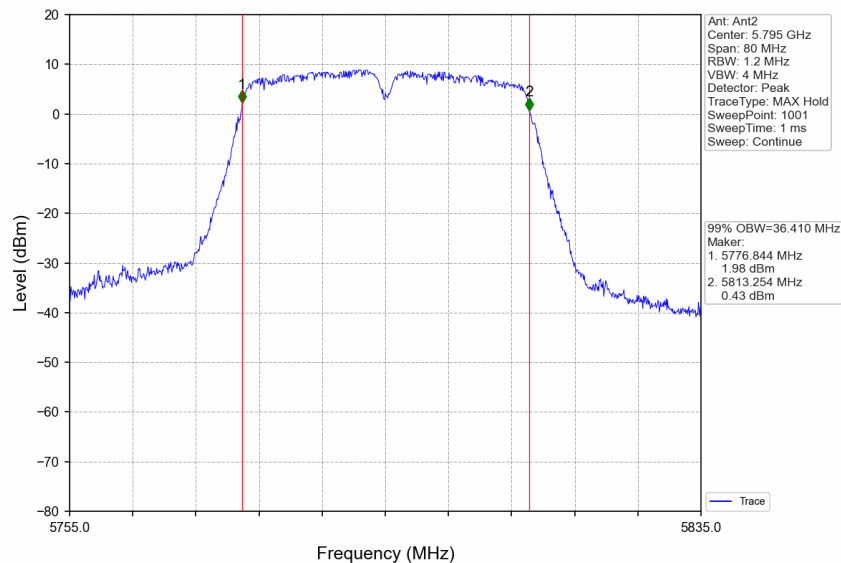
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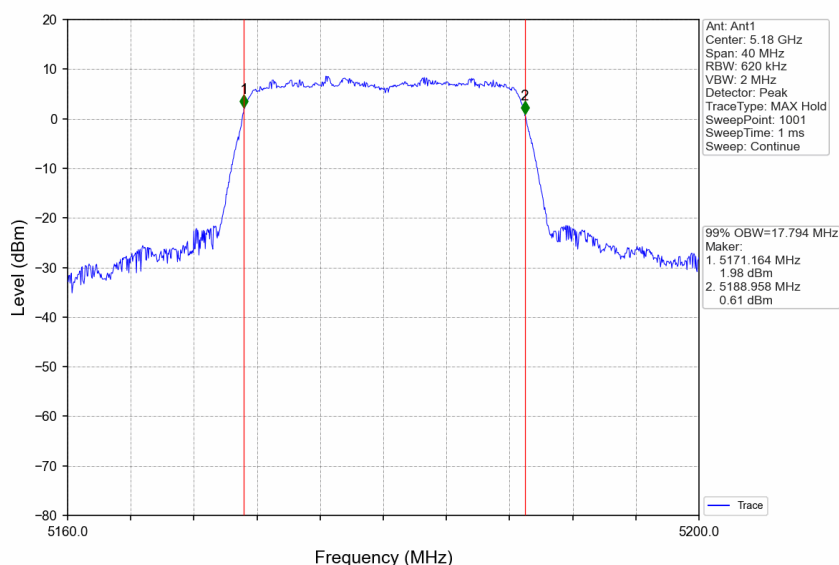
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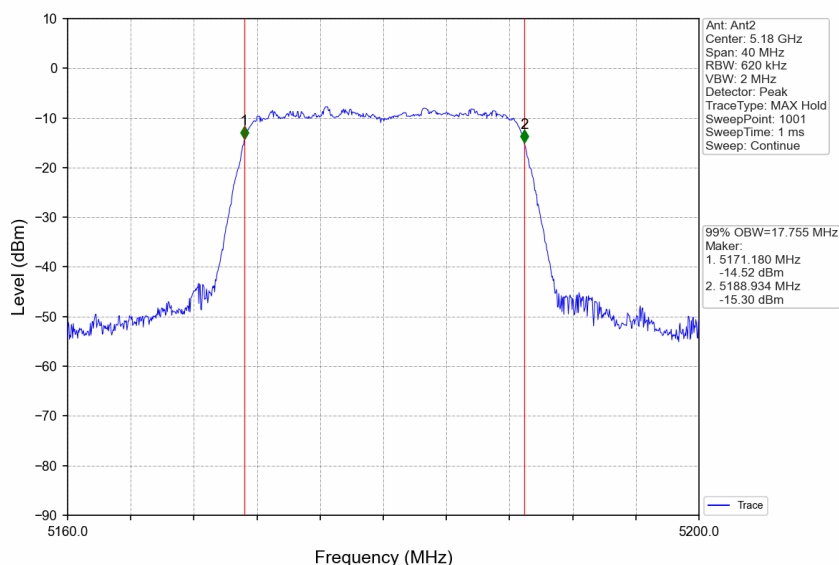
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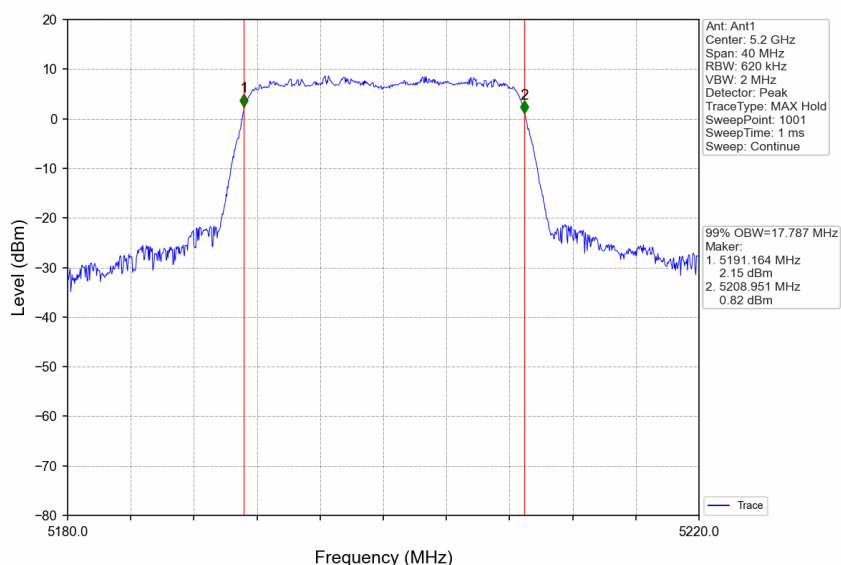
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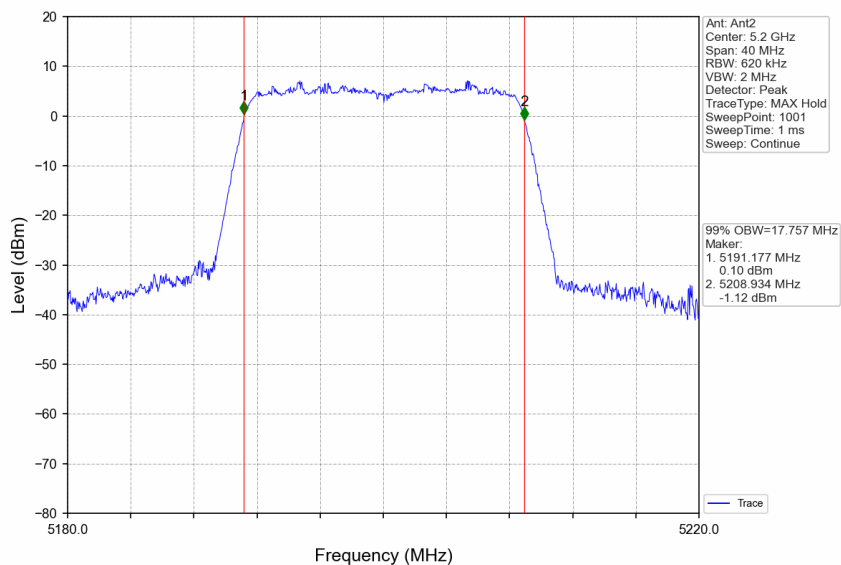
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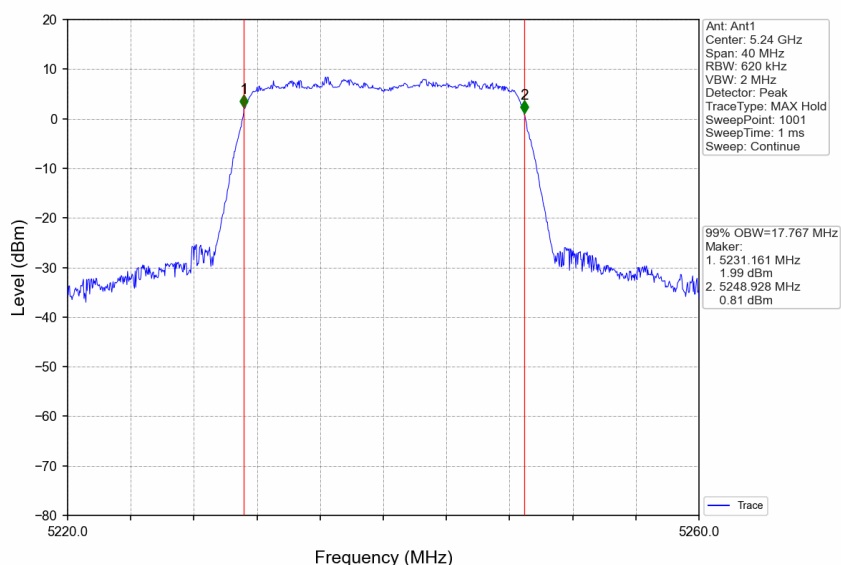
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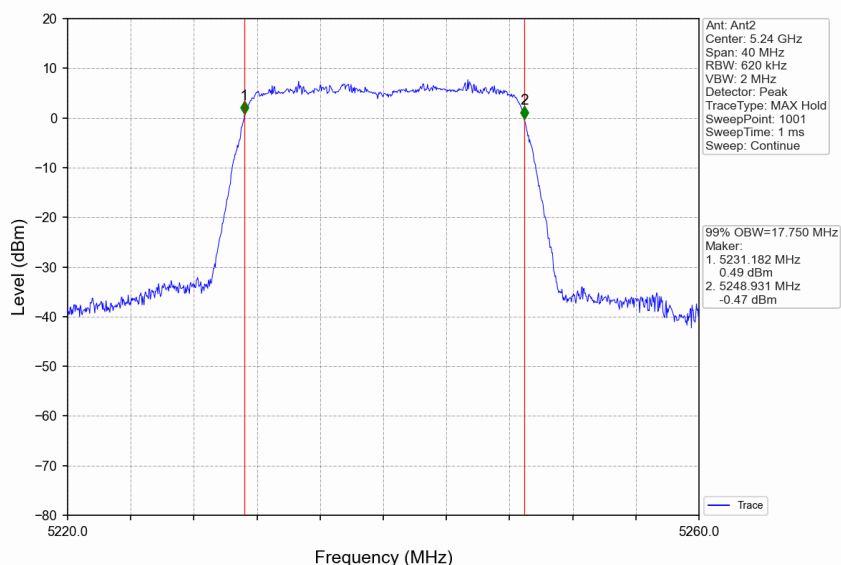
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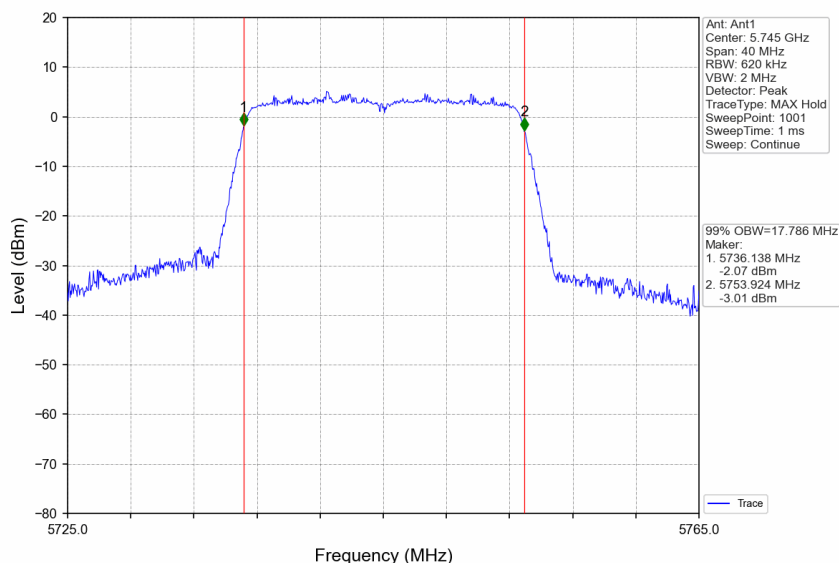
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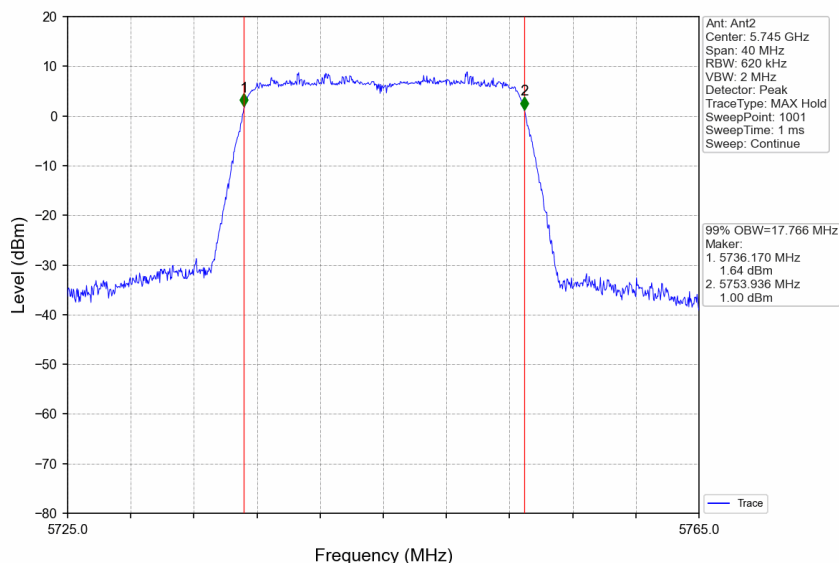
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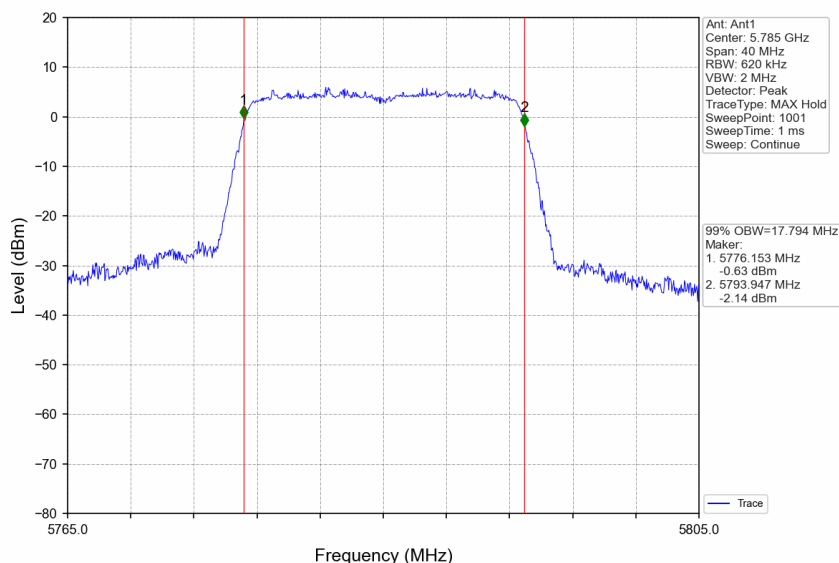
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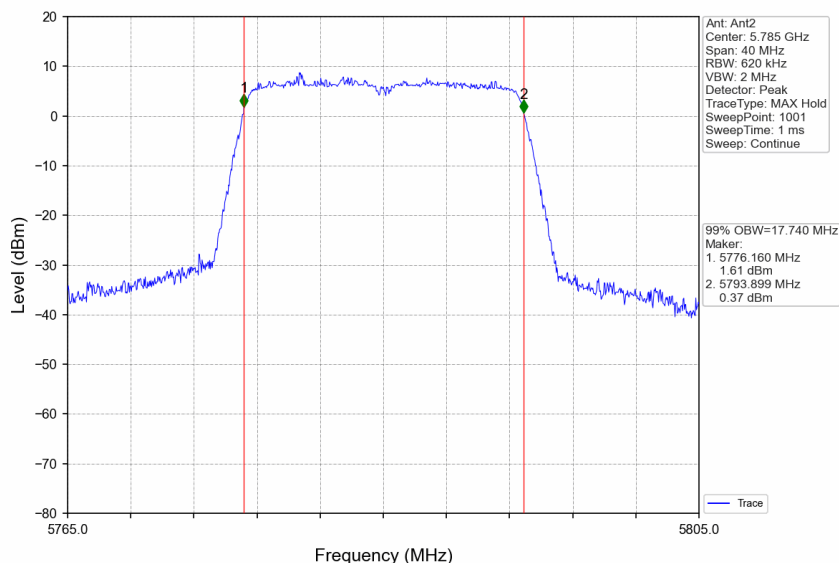
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



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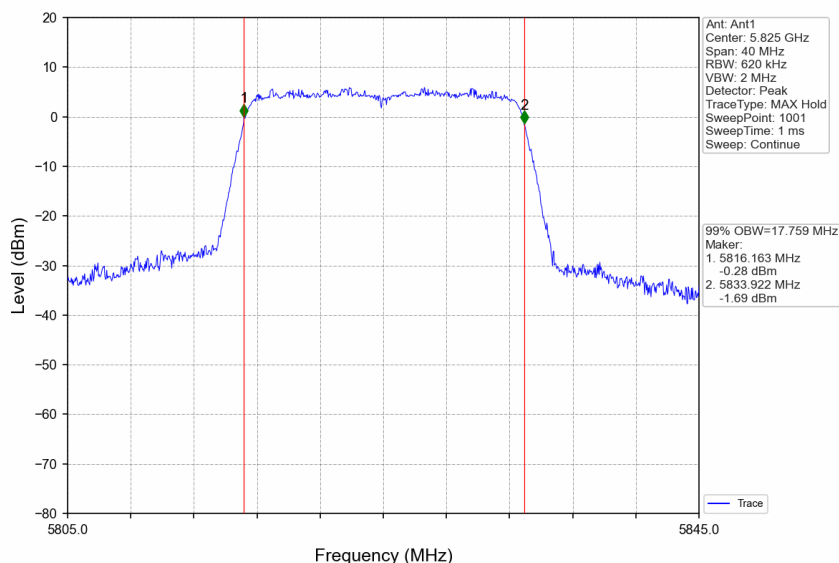
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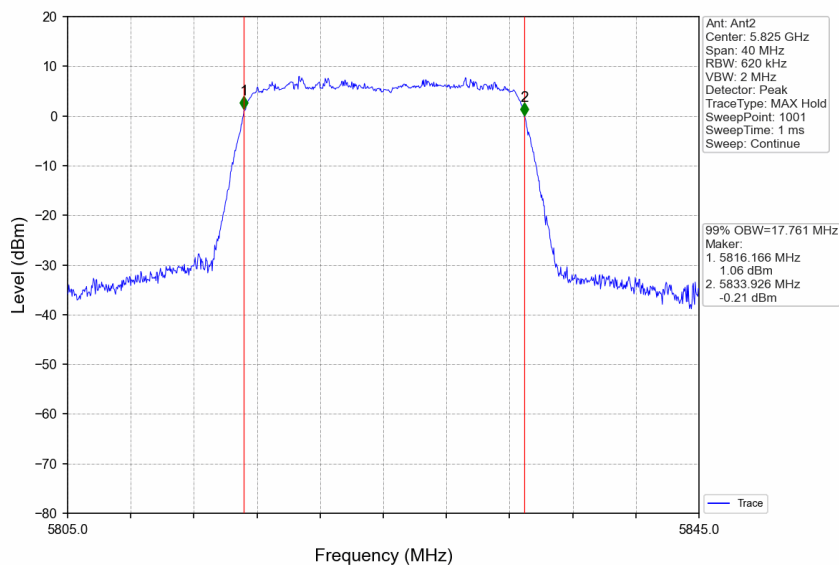
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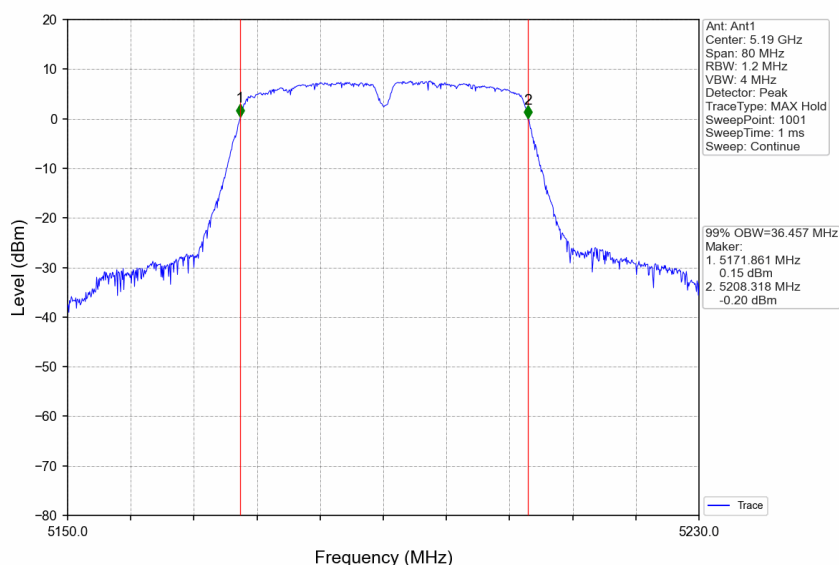
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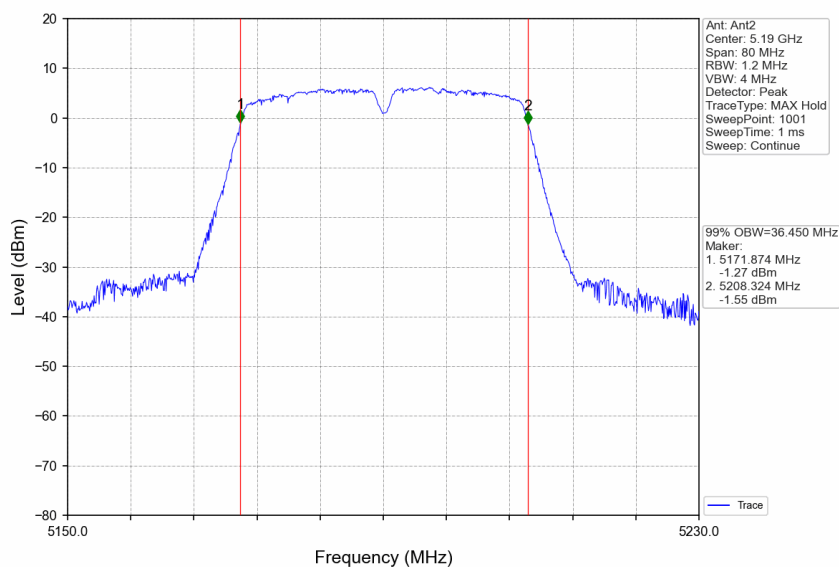
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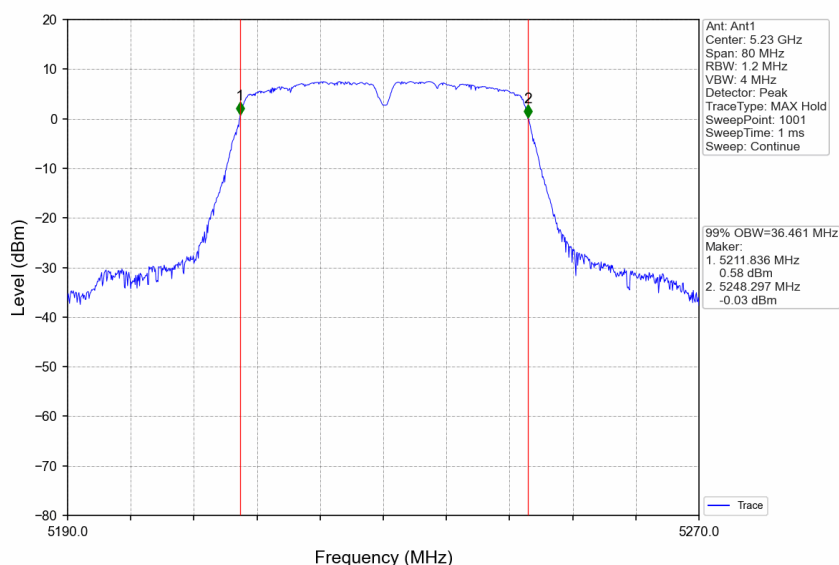
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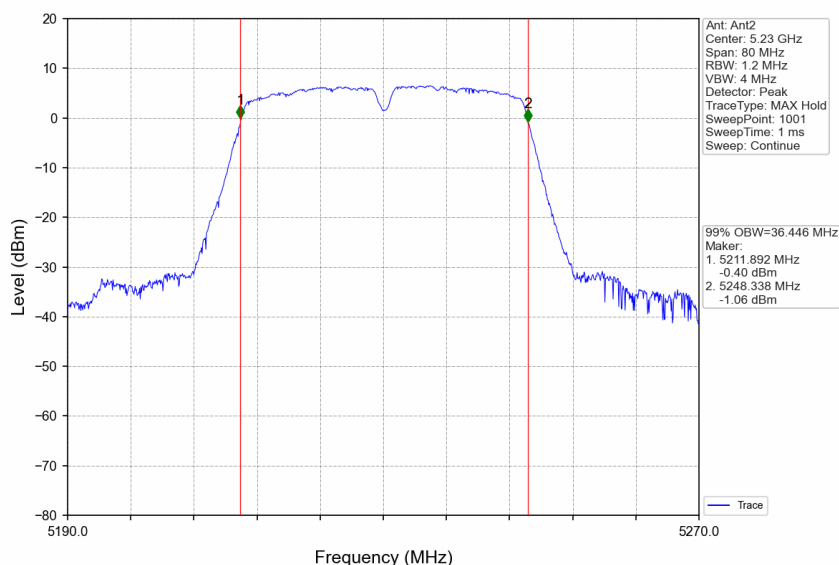
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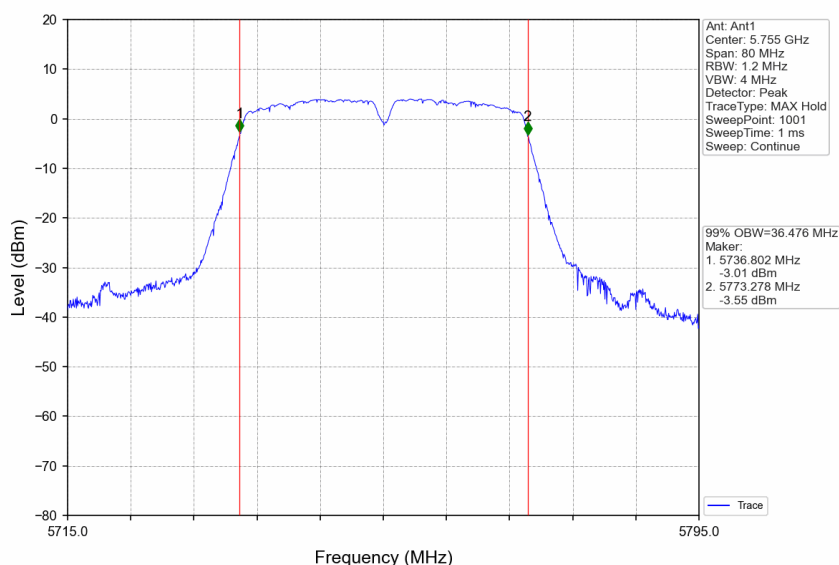
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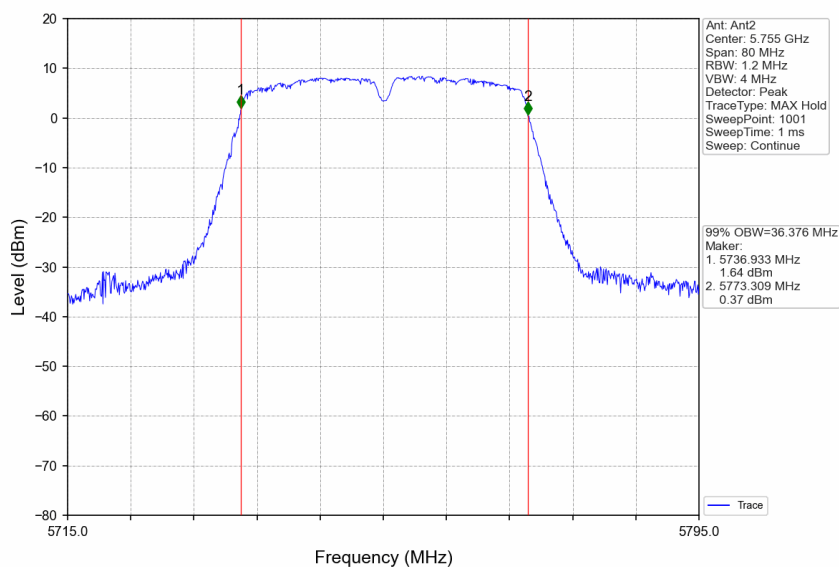
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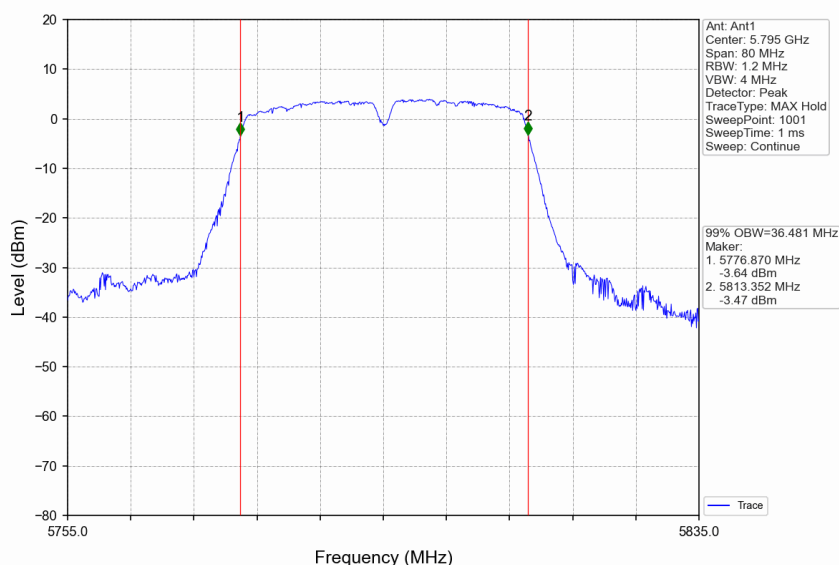
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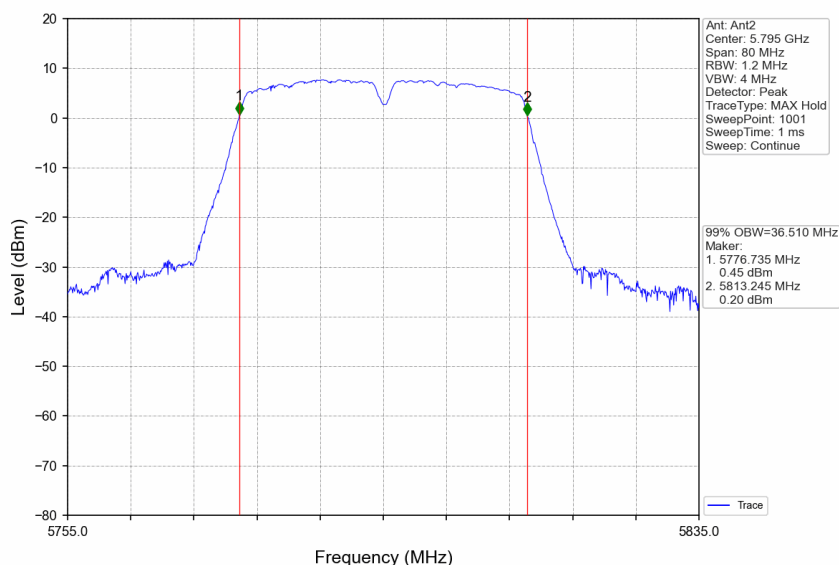
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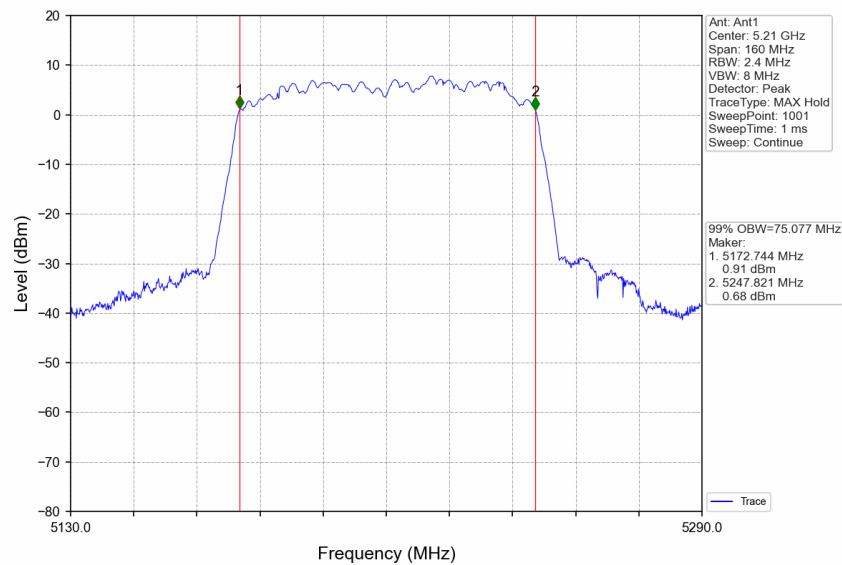
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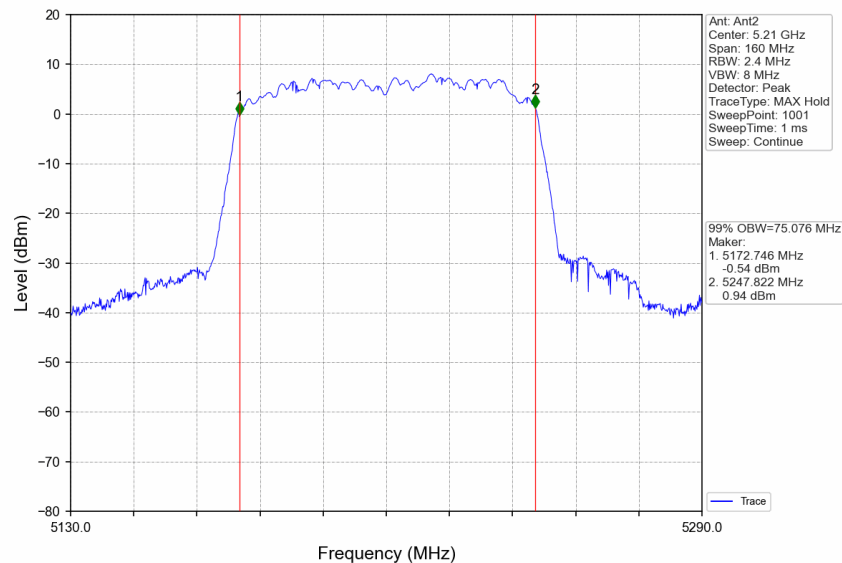
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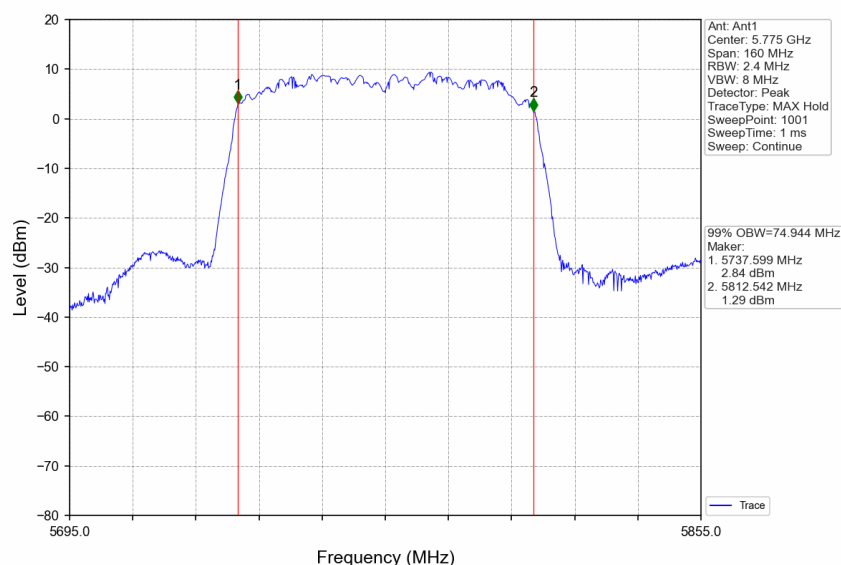
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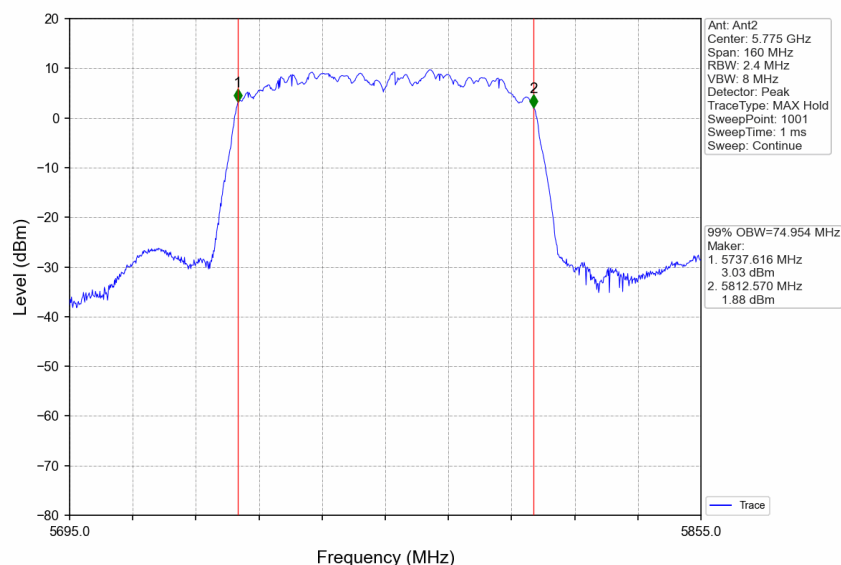
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.533	≥ 0.5	Pass
			2	16.482	≥ 0.5	Pass
		5785	1	16.531	≥ 0.5	Pass
			2	16.500	≥ 0.5	Pass
		5825	1	16.525	≥ 0.5	Pass
			2	16.474	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	17.697	≥ 0.5	Pass
			2	17.701	≥ 0.5	Pass
		5785	1	17.702	≥ 0.5	Pass
			2	17.695	≥ 0.5	Pass
		5825	1	17.708	≥ 0.5	Pass
			2	17.701	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	36.422	≥ 0.5	Pass
			2	36.431	≥ 0.5	Pass
		5795	1	36.405	≥ 0.5	Pass
			2	36.445	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	17.559	≥ 0.5	Pass
			2	17.553	≥ 0.5	Pass
		5785	1	17.306	≥ 0.5	Pass
			2	17.564	≥ 0.5	Pass
		5825	1	17.304	≥ 0.5	Pass
			2	17.333	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.204	≥ 0.5	Pass
			2	35.134	≥ 0.5	Pass
		5795	1	35.212	≥ 0.5	Pass
			2	35.176	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.095	≥ 0.5	Pass
			2	75.105	≥ 0.5	Pass



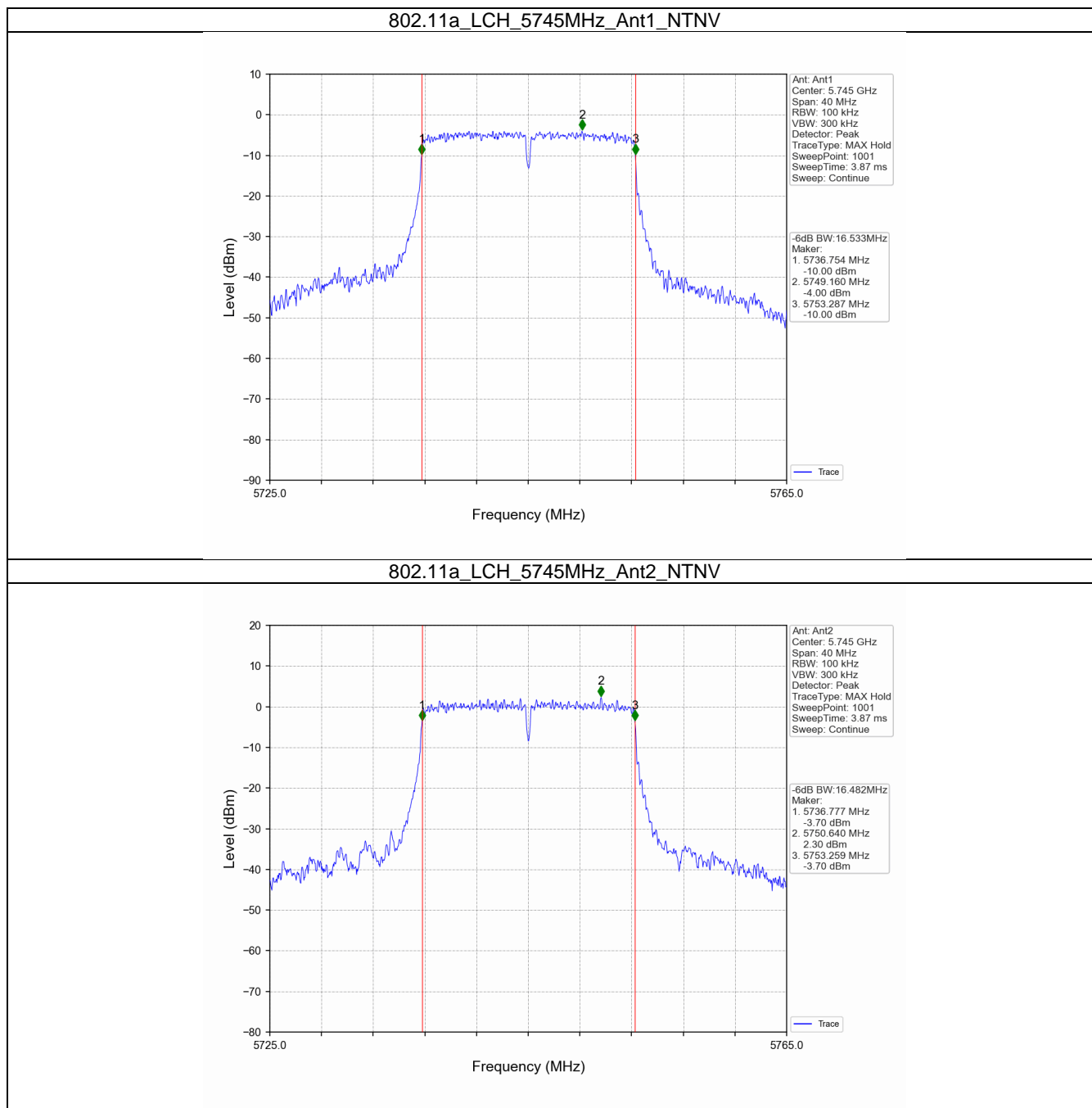
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2.2.2 Test Graph



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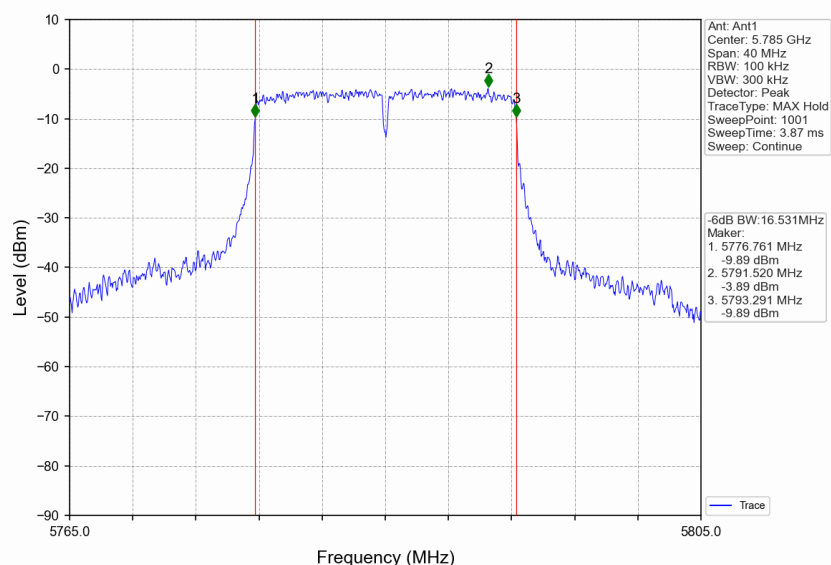
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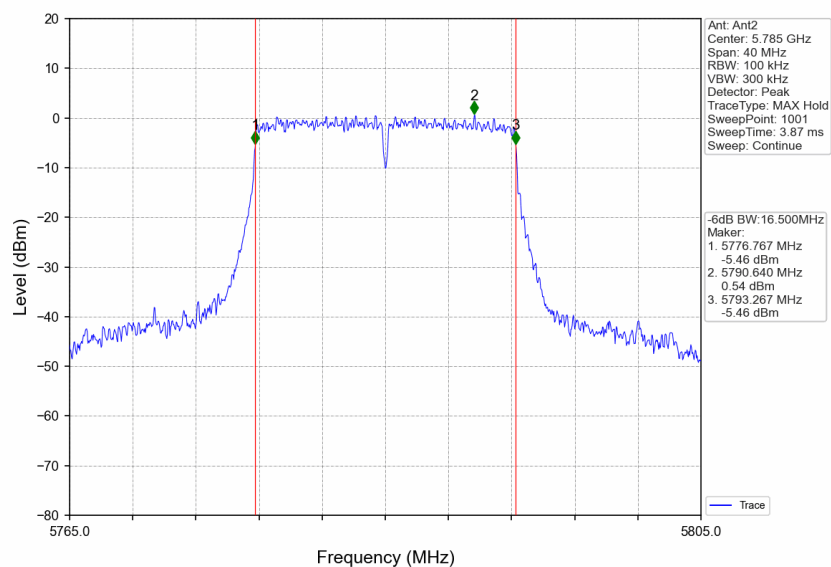
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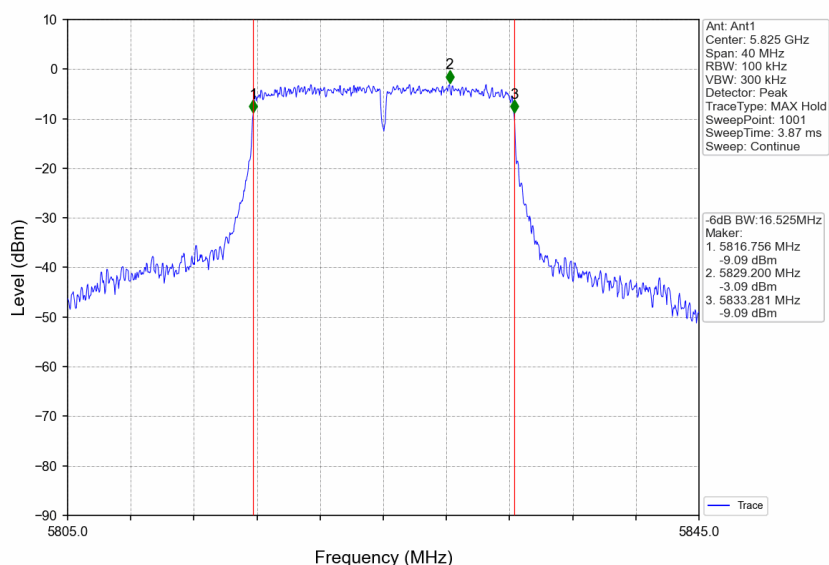
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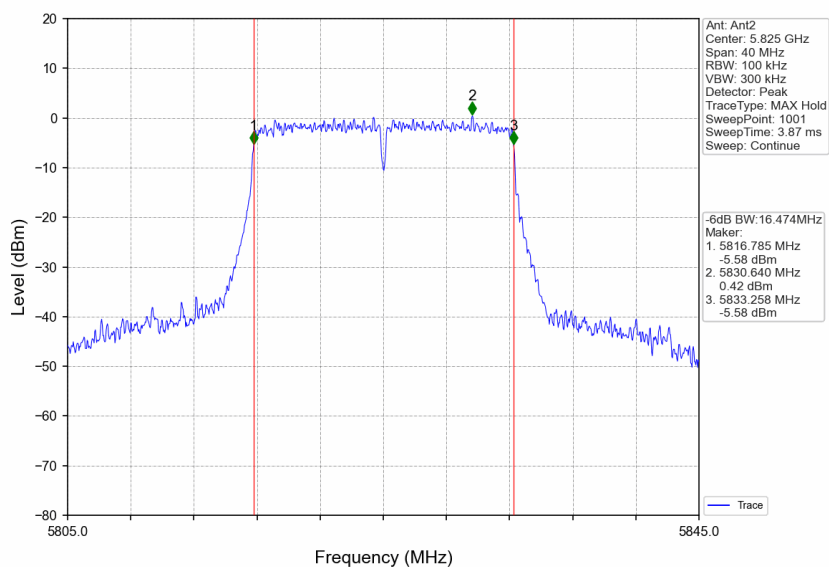
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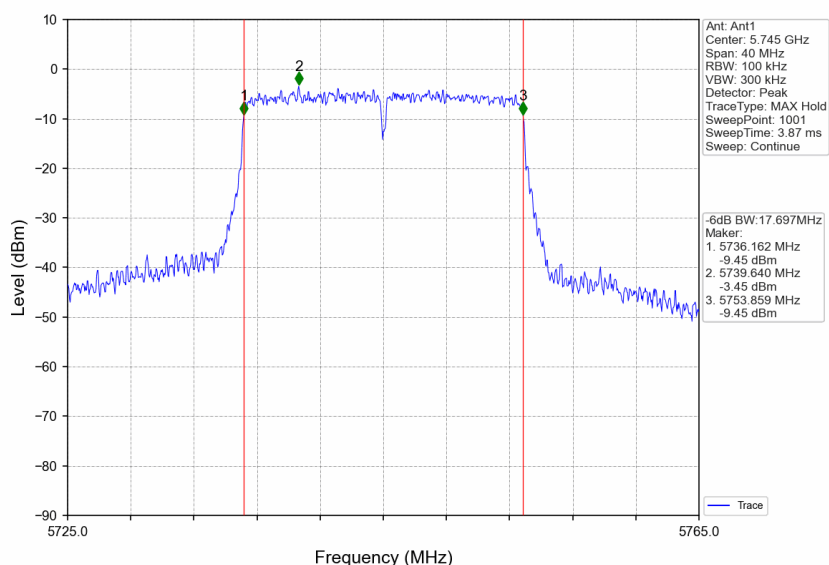
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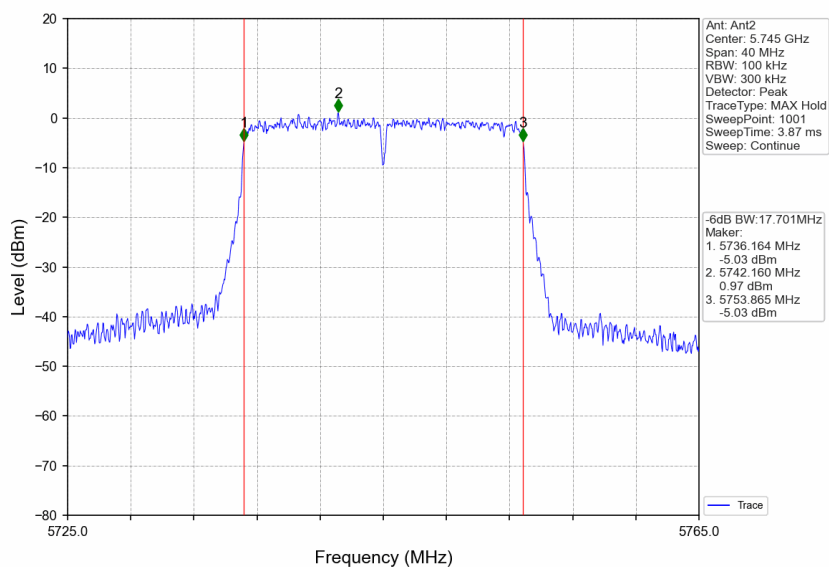
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



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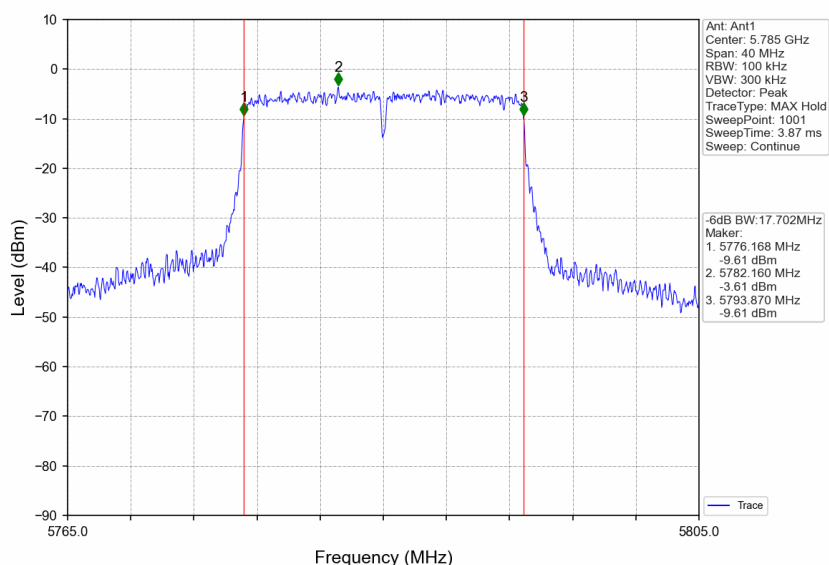
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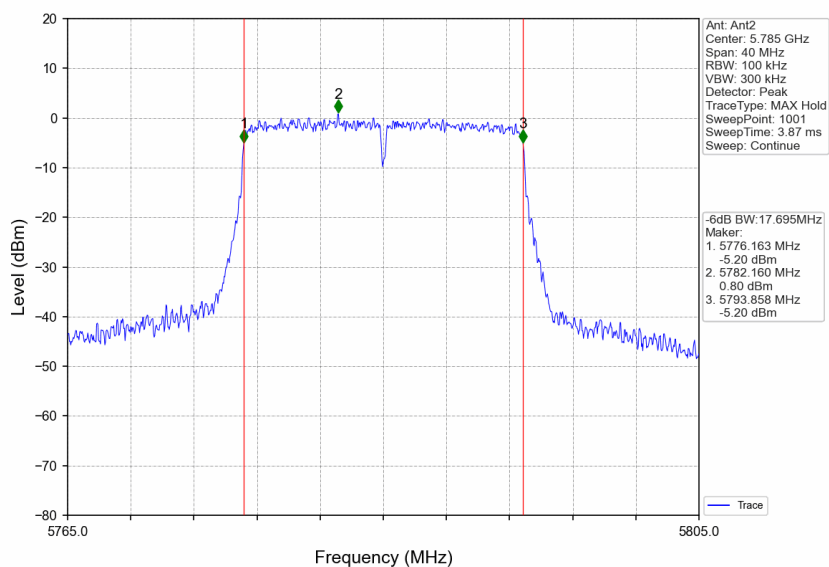
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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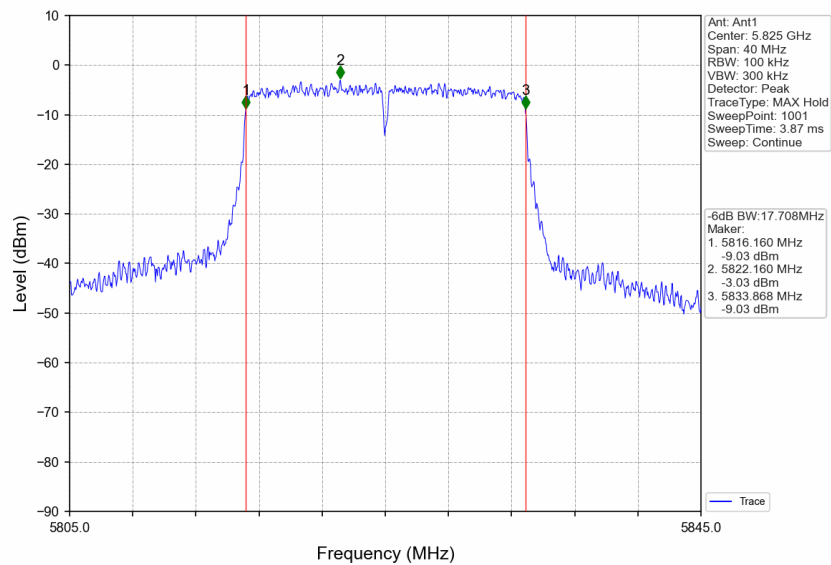
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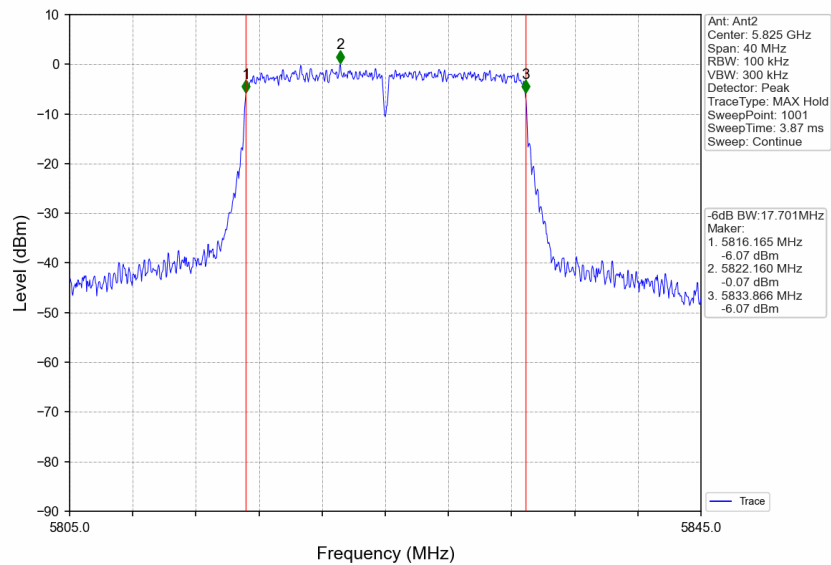
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