

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	1.396	1.601	87.20	0.60	0.03
		5200	1.396	1.601	87.20	0.60	0.03
		5240	1.395	1.601	87.13	0.60	0.03
		5745	1.395	1.601	87.13	0.60	0.03
		5785	1.396	1.601	87.20	0.60	0.03
		5825	1.395	1.601	87.13	0.60	0.03
802.11n (HT20)	MIMO	5180	1.308	1.513	86.45	0.63	0.03
		5200	1.307	1.513	86.38	0.64	0.00
		5240	1.308	1.513	86.45	0.63	0.03
		5745	1.308	1.512	86.51	0.63	0.03
		5785	1.309	1.513	86.52	0.63	0.03
		5825	1.309	1.513	86.52	0.63	0.03
802.11n (HT40)	MIMO	5190	0.648	0.852	76.06	1.19	0.01
		5230	0.648	0.852	76.06	1.19	0.04
		5755	0.649	0.853	76.08	1.19	0.06
		5795	0.649	0.853	76.08	1.19	0.06
802.11ac (VHT20)	MIMO	5180	0.684	0.889	76.94	1.14	0.00
		5200	0.684	0.889	76.94	1.14	0.03
		5240	0.683	0.888	76.91	1.14	0.00
		5745	0.684	0.889	76.94	1.14	0.00
		5785	0.684	0.889	76.94	1.14	0.03
		5825	0.684	0.889	76.94	1.14	0.03
802.11ac (VHT40)	MIMO	5190	0.352	0.556	63.31	1.99	0.00
		5230	0.352	0.556	63.31	1.99	0.04
		5755	0.352	0.556	63.31	1.99	0.04
		5795	0.352	0.556	63.31	1.99	0.00
802.11ac (VHT80)	MIMO	5210	0.188	0.392	47.96	3.19	0.07
		5775	0.182	0.391	46.55	3.32	0.54

1.1.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV

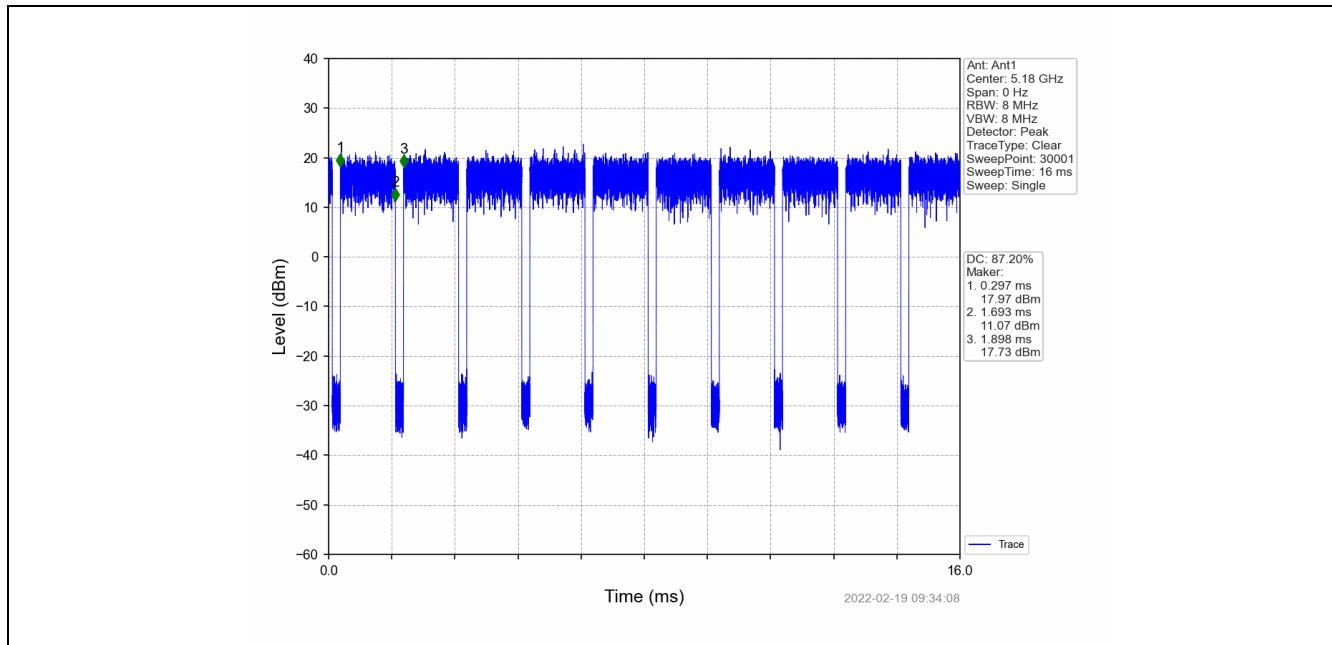


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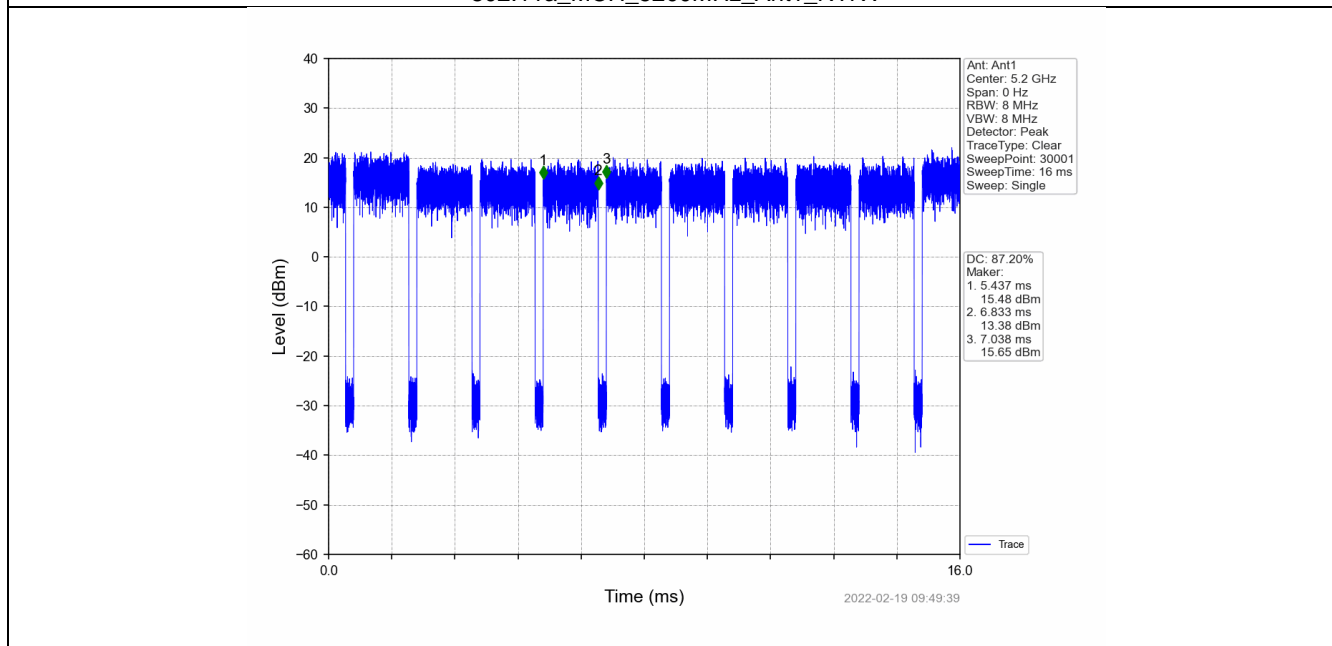
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802.11a_MCH_5200MHz_Ant1_NTNV



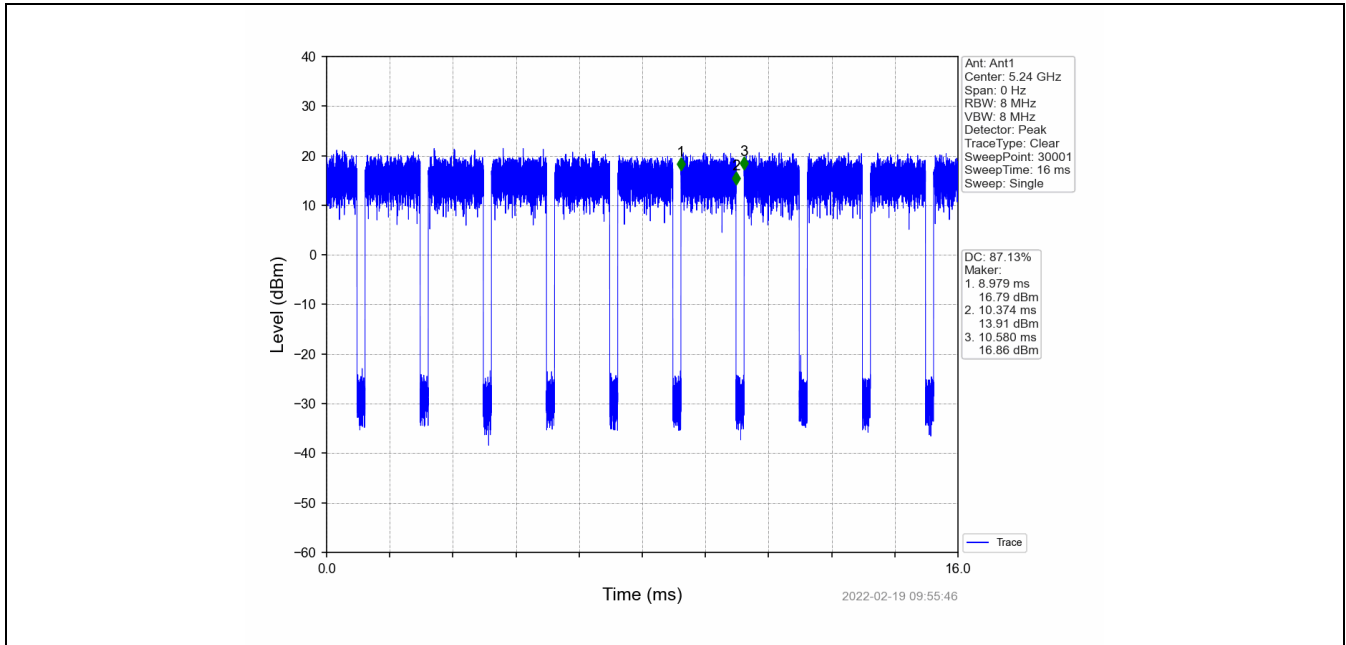
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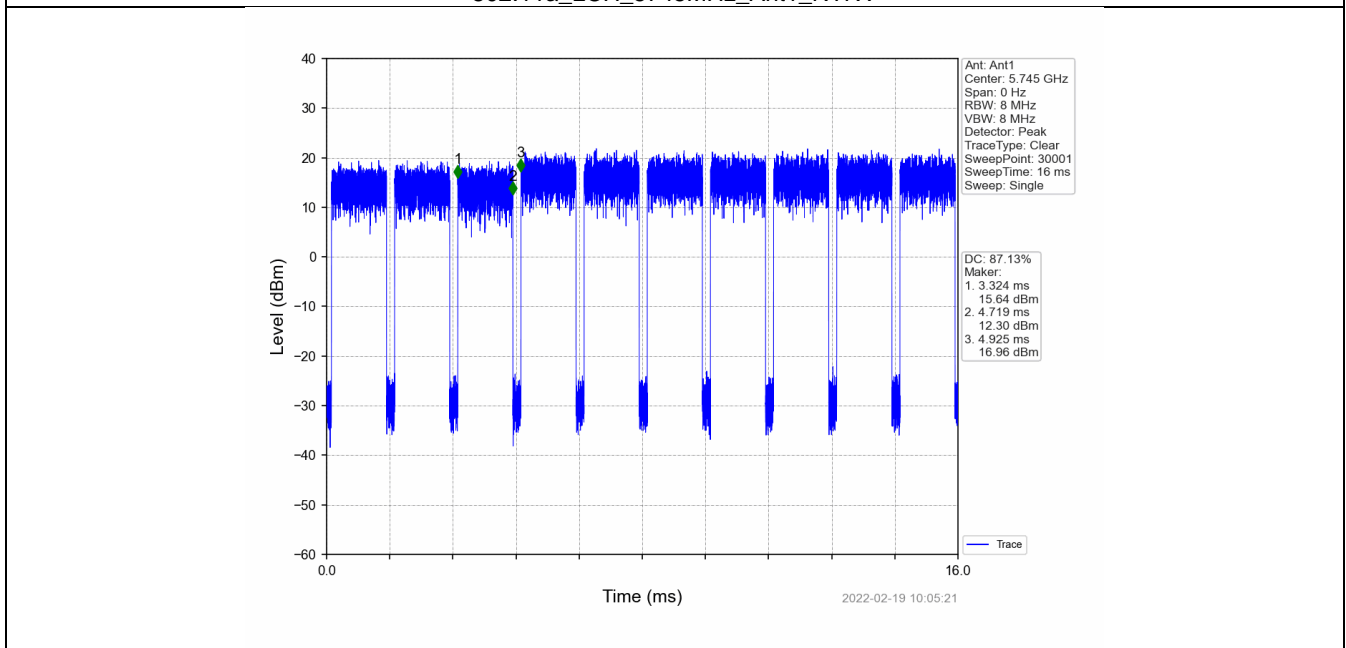
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802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV

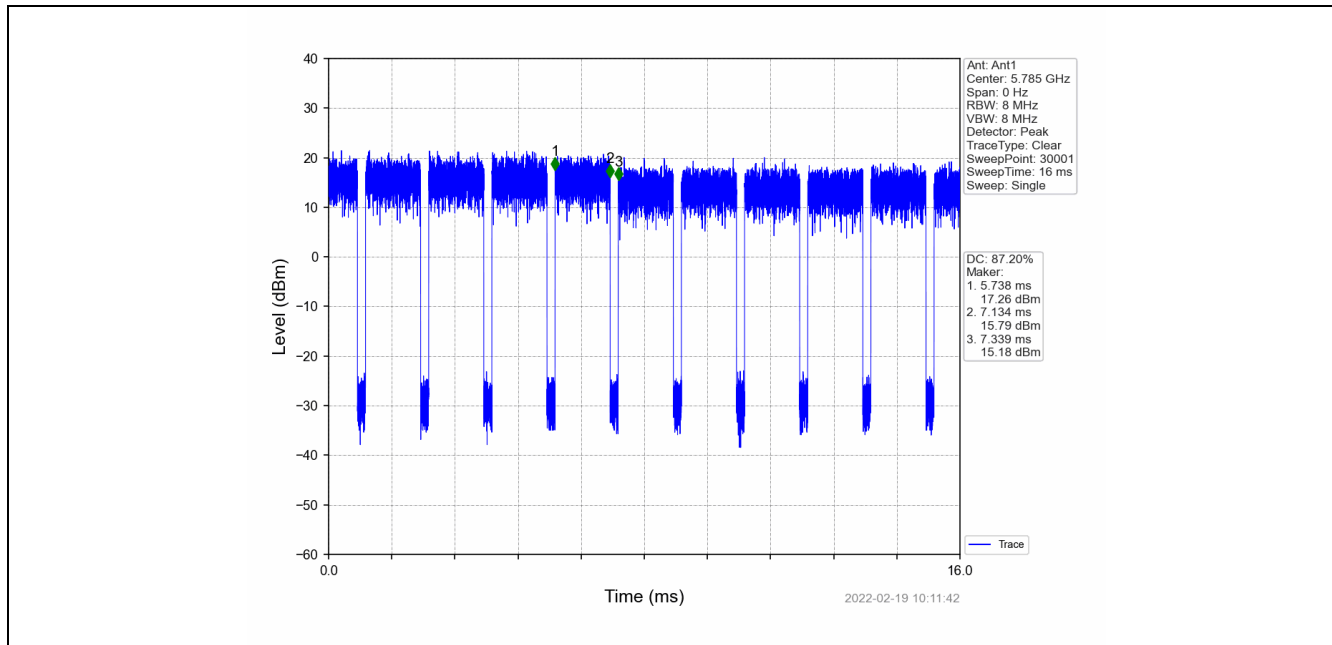


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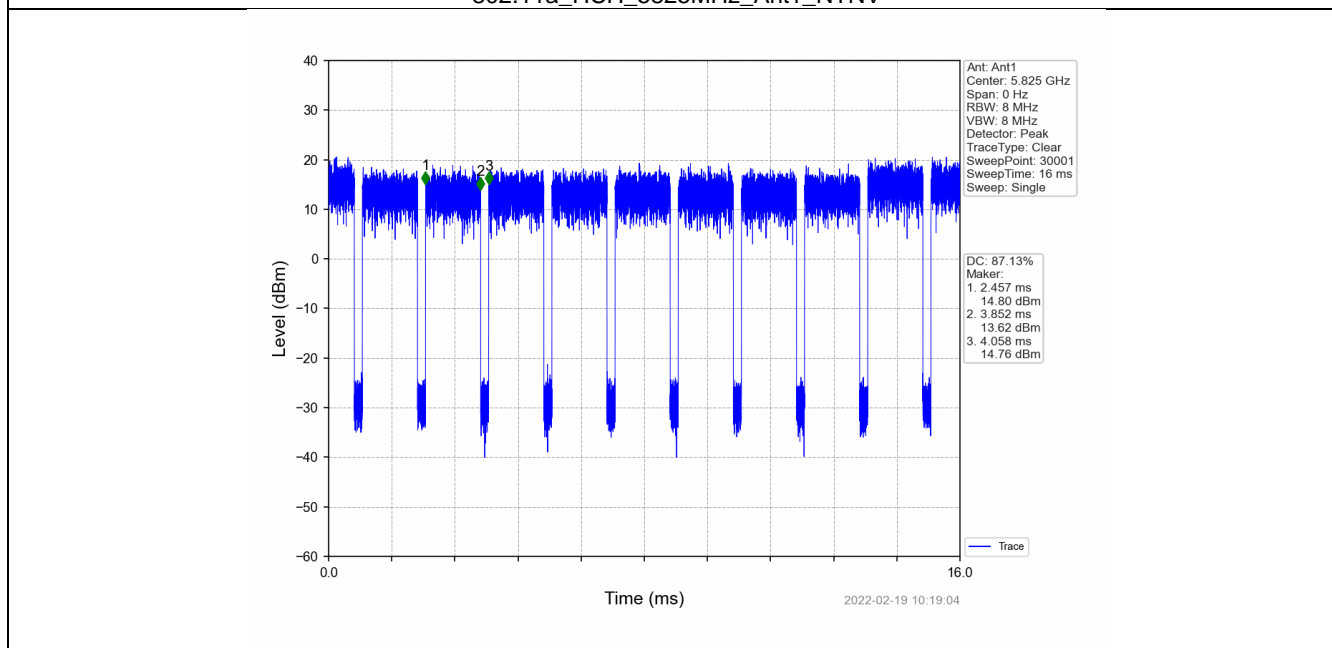
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802.11a_HCH_5825MHz_Ant1_NTNV



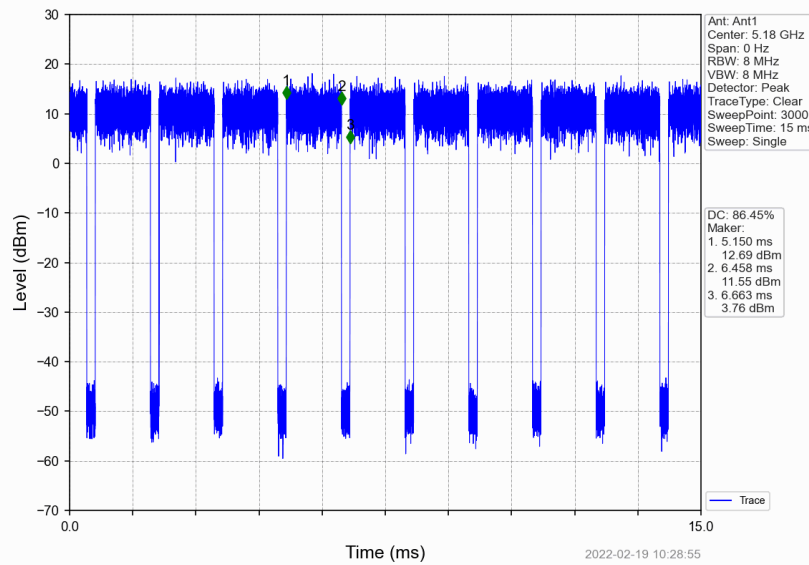
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



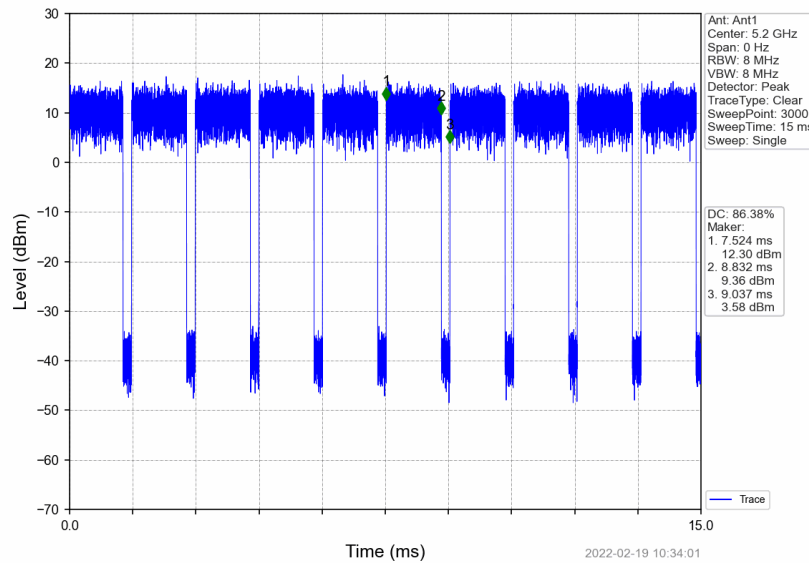
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



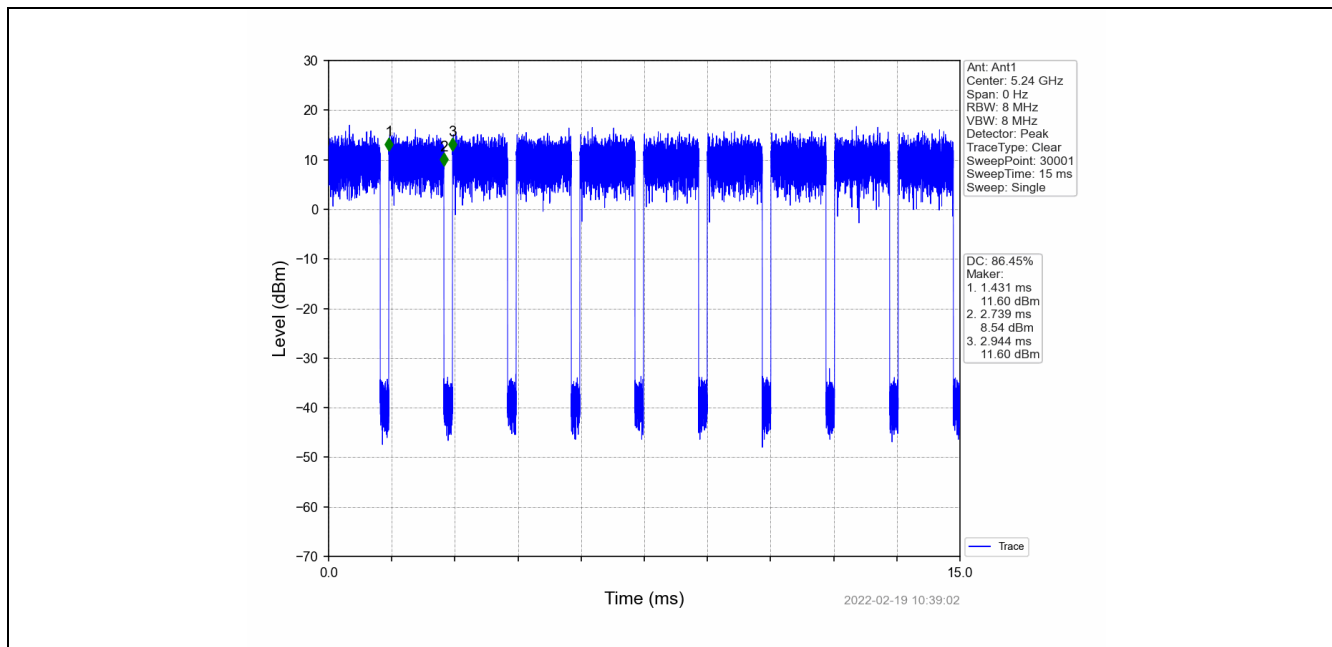
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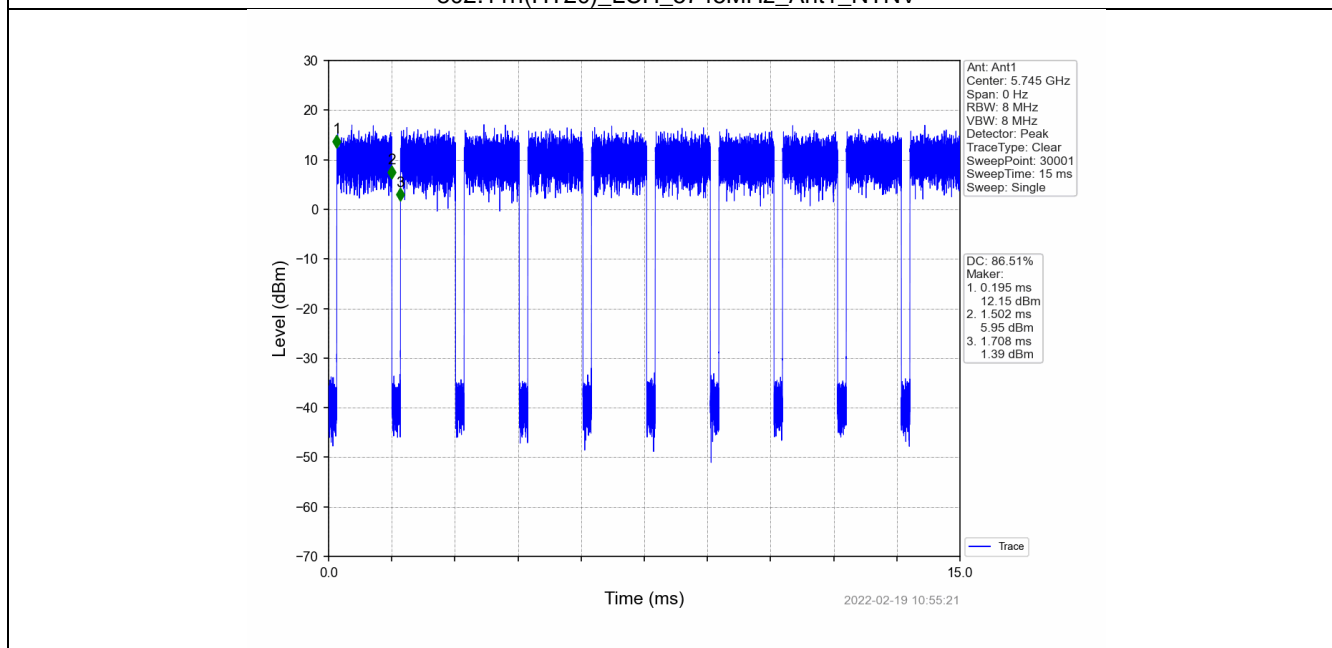
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

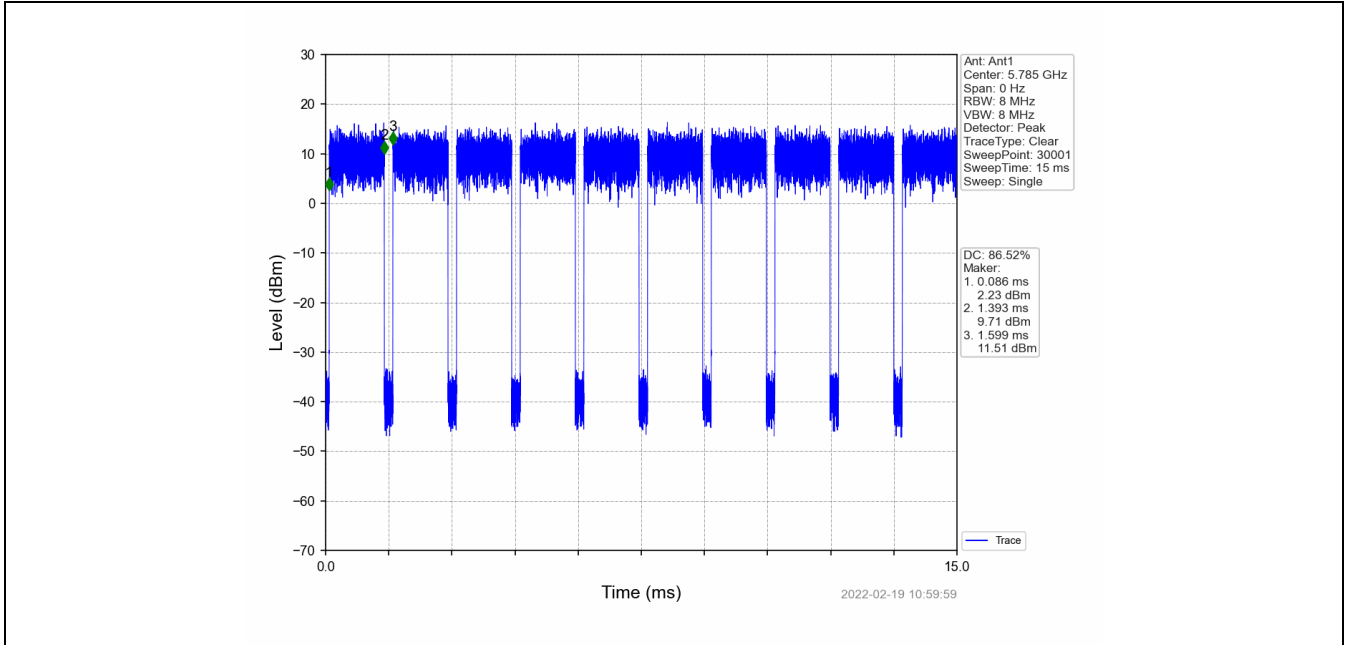


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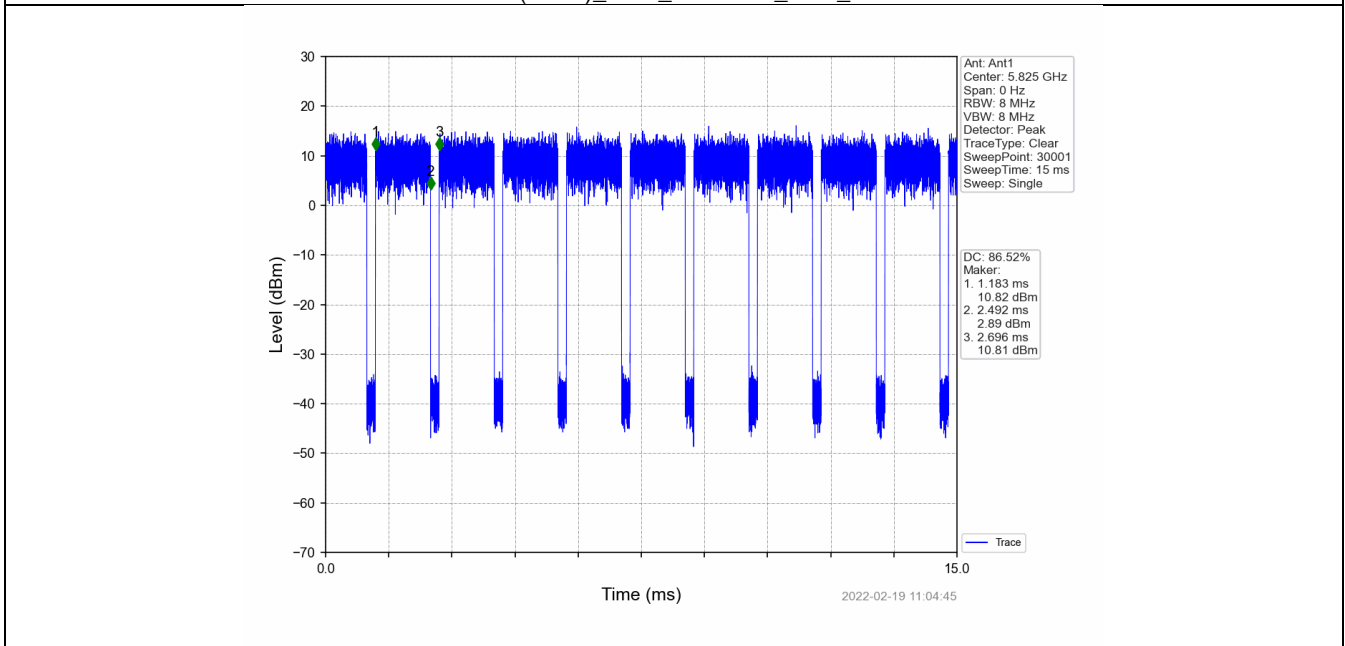
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

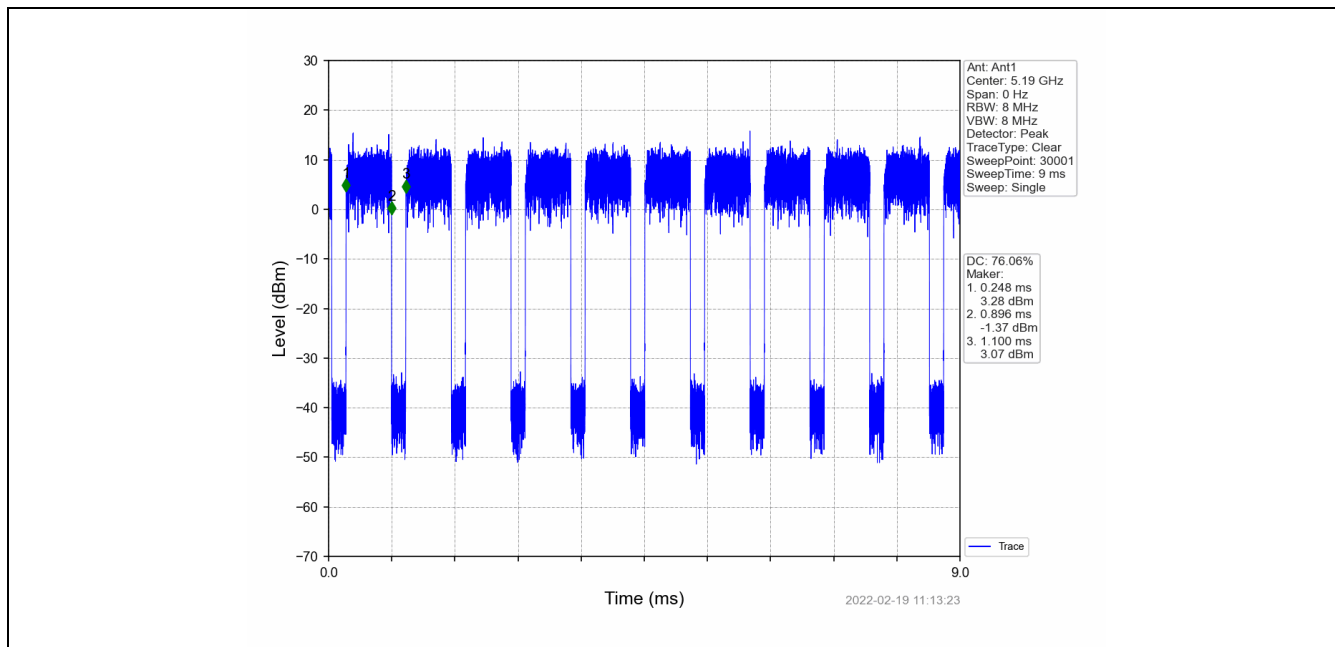


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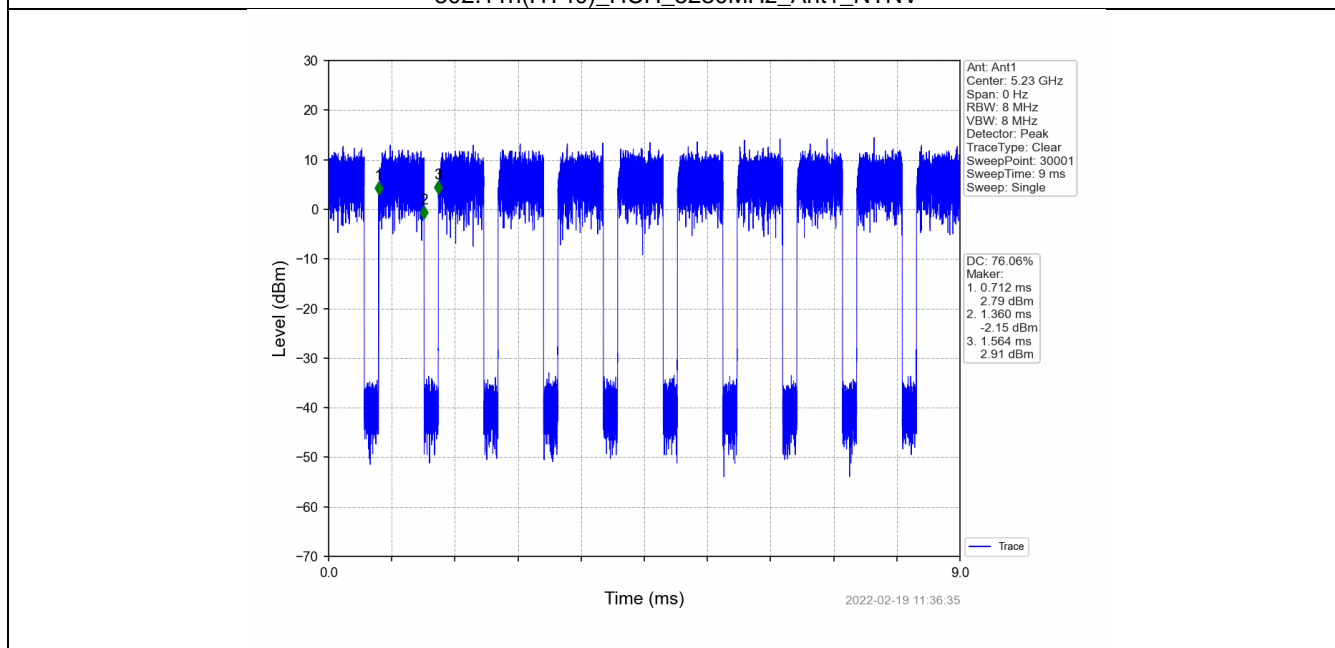
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

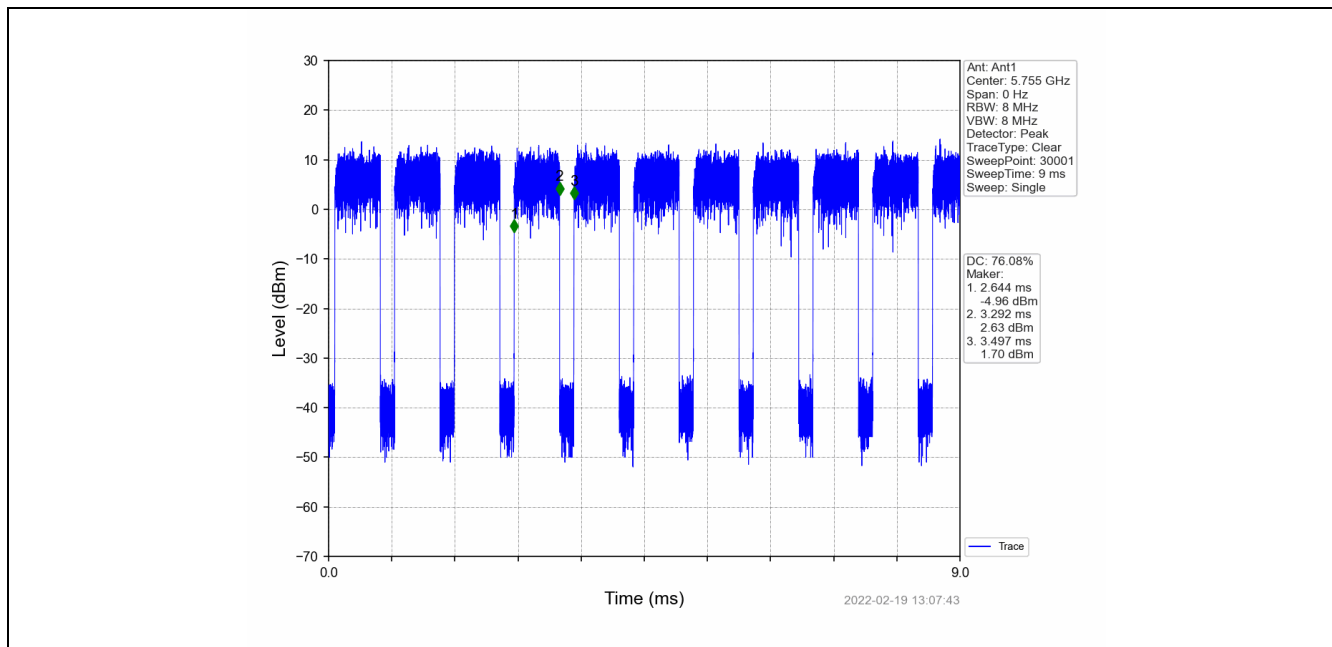


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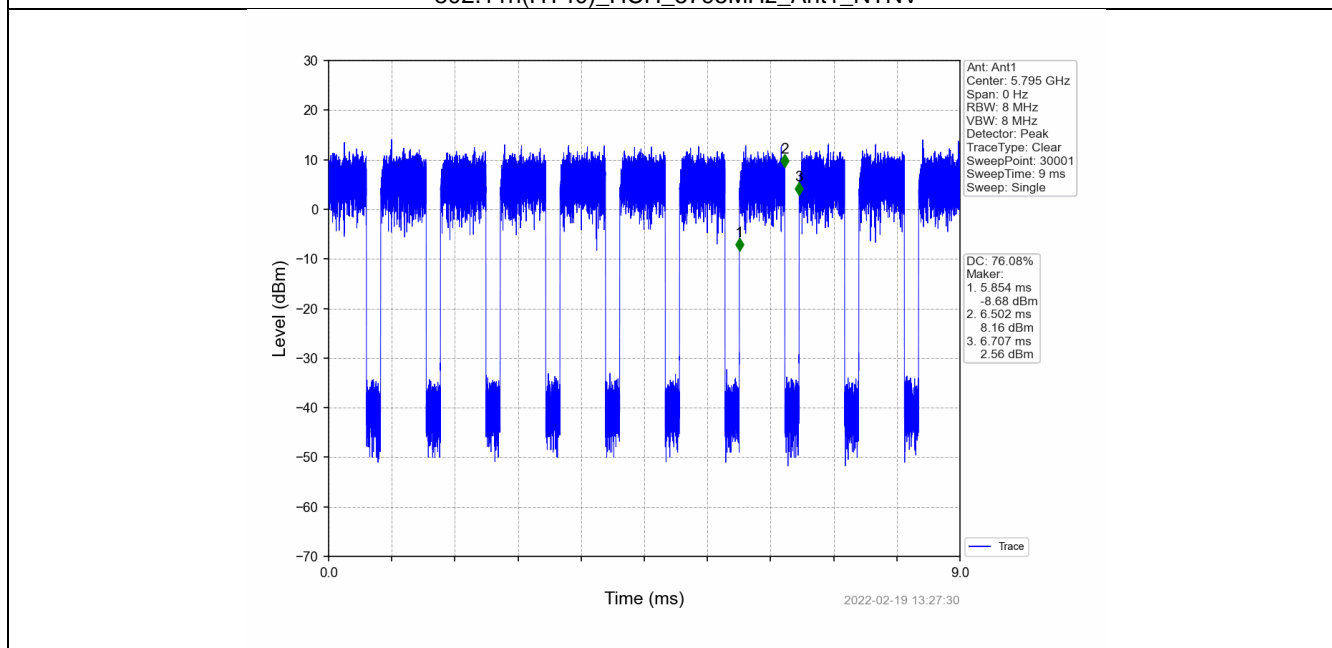
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



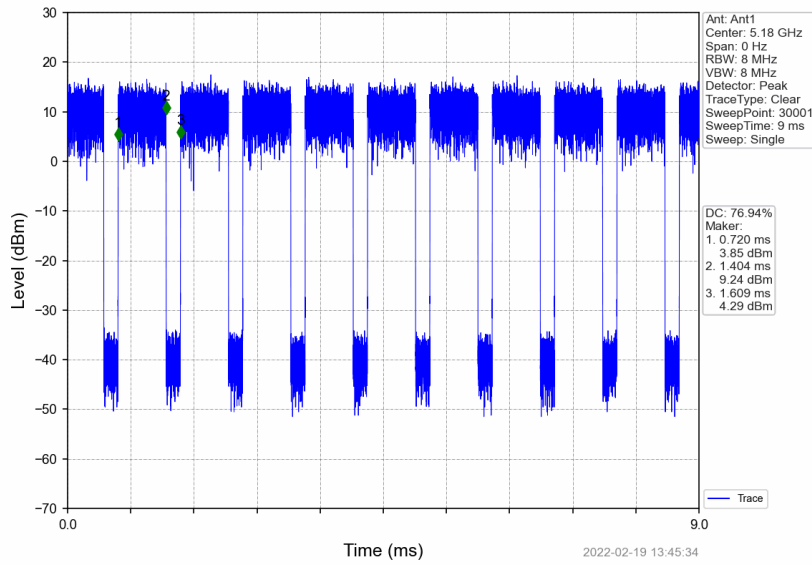
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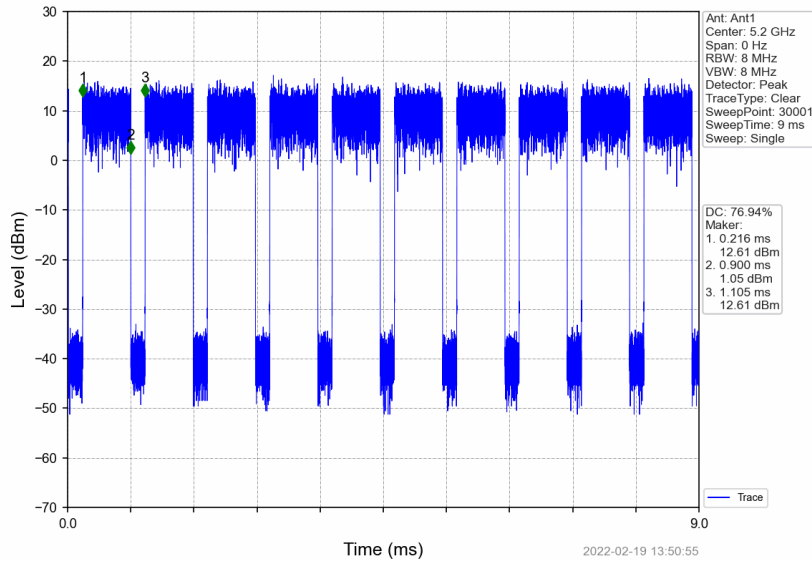
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

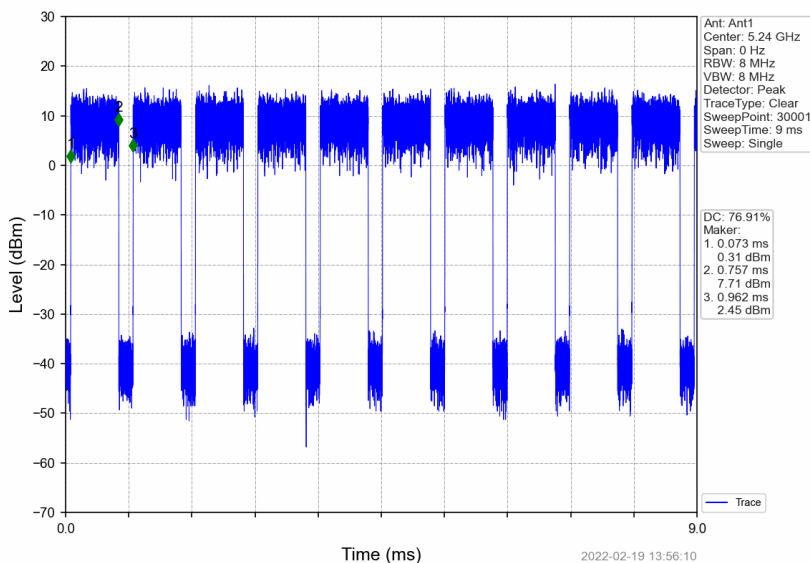


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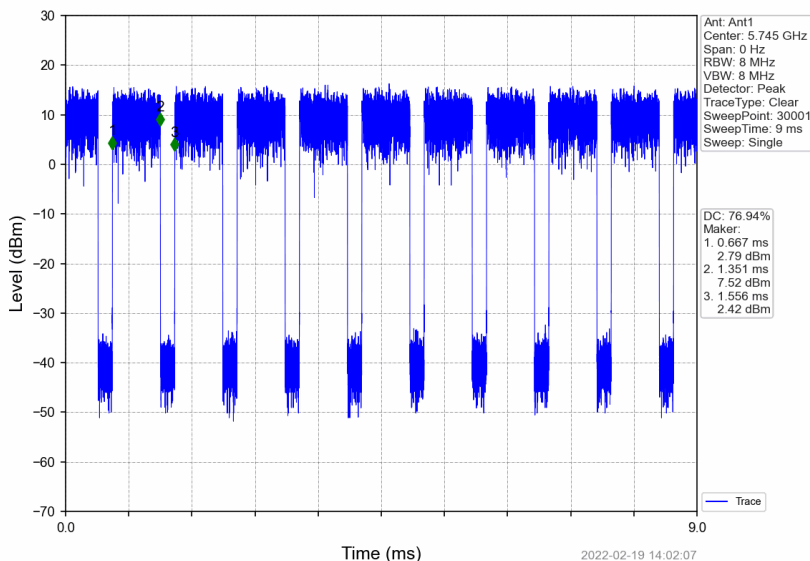
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

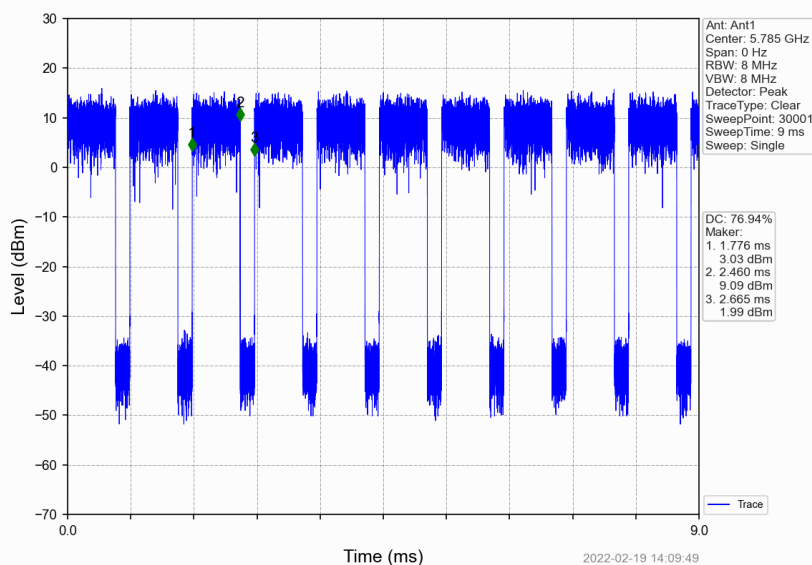


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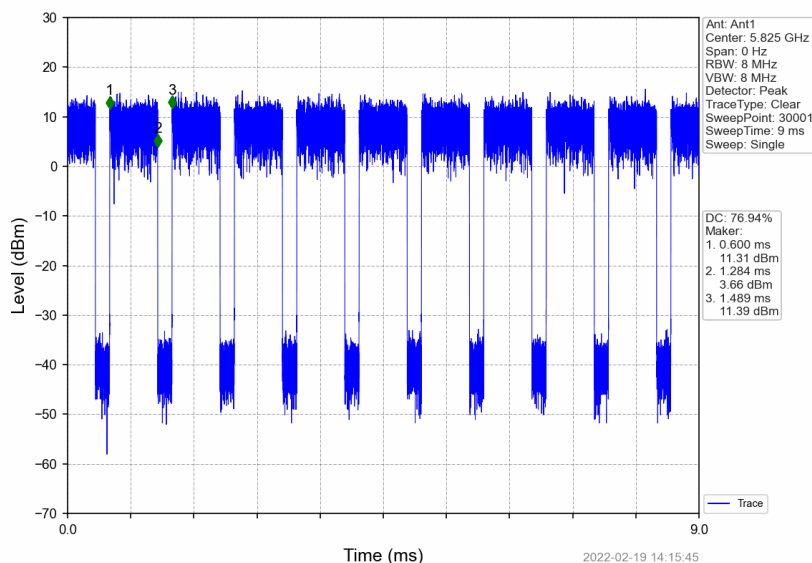
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

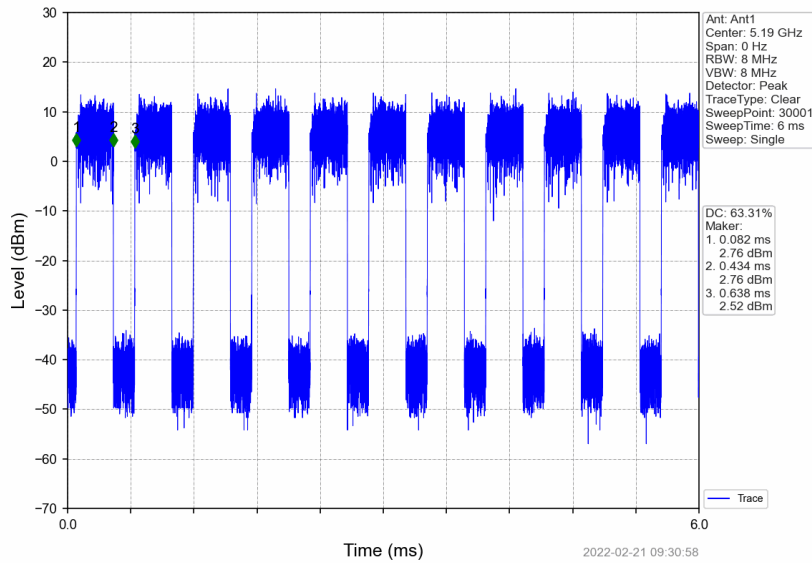


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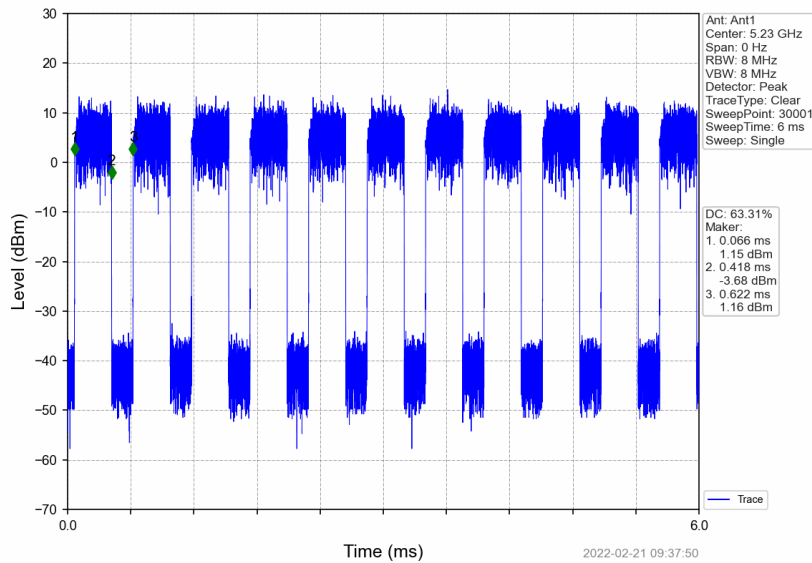
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

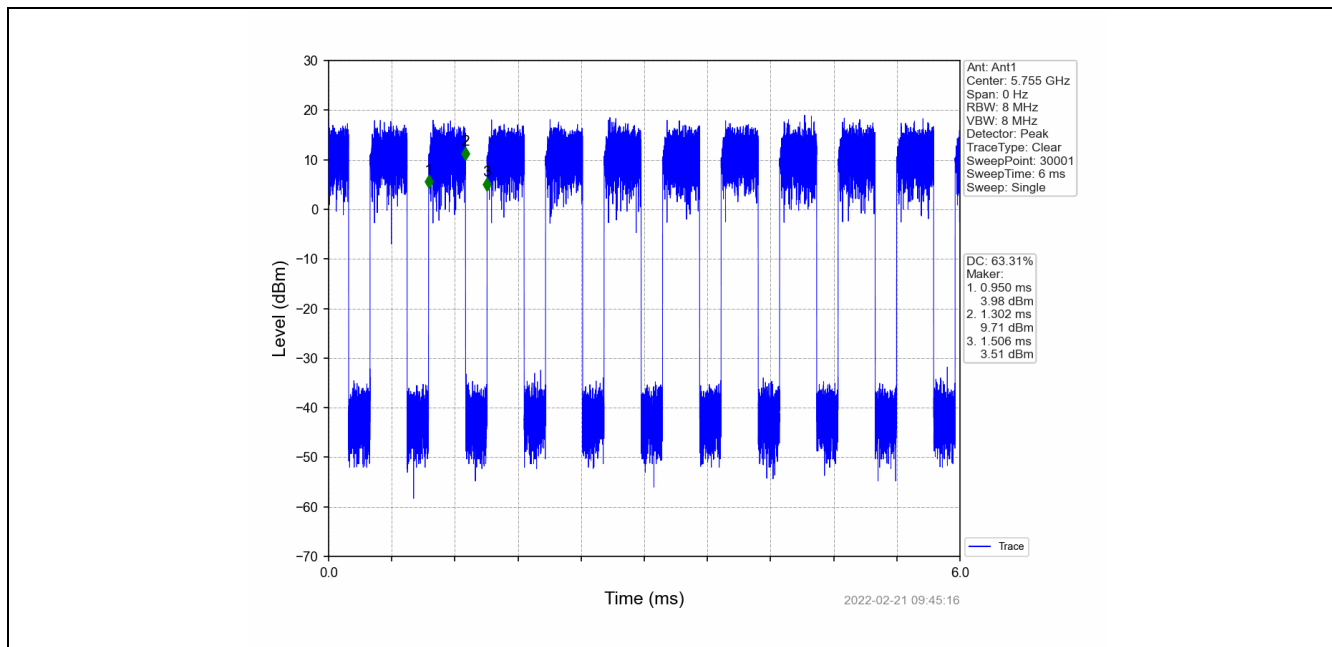


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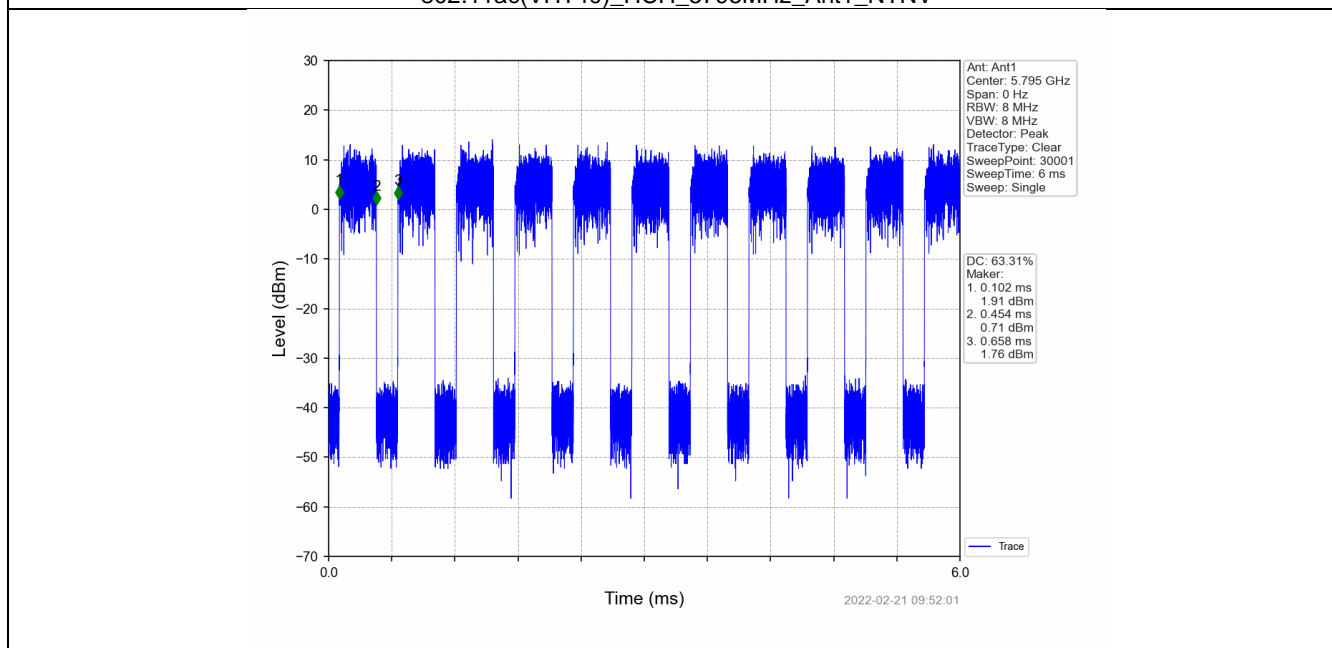
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

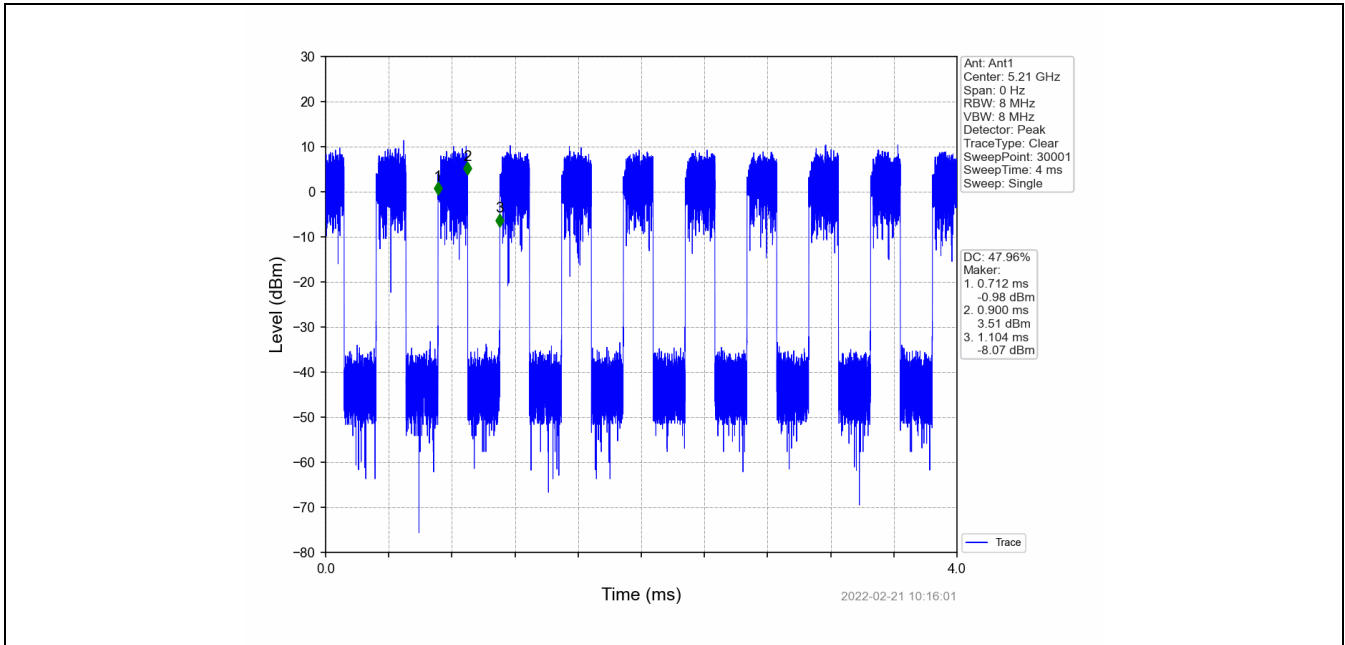


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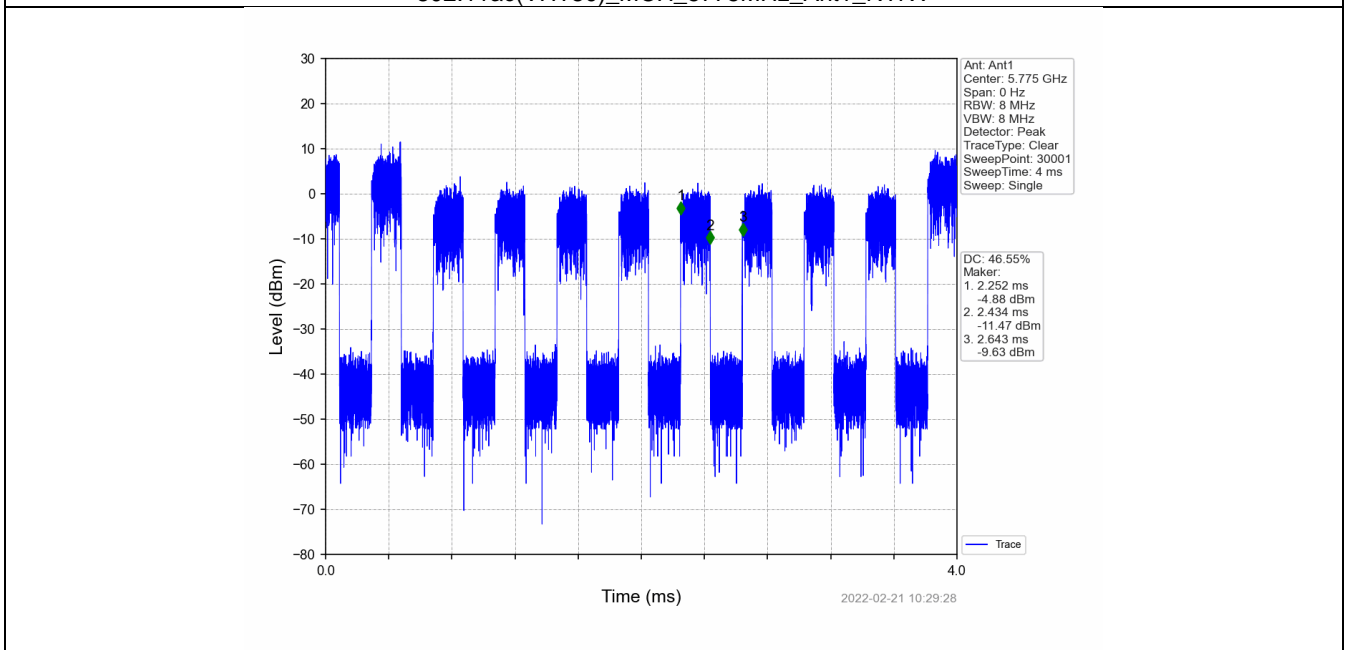
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

2.1 OBW

2.1.1 Test Result



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Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict		
				Result			
802.11a	SISO	5180	1	17.341	Pass		
			2	17.010	Pass		
		5200	1	17.327	Pass		
			2	16.842	Pass		
		5240	1	17.286	Pass		
			2	16.882	Pass		
		5745	1	17.282	Pass		
			2	16.865	Pass		
		5785	1	17.279	Pass		
			2	16.875	Pass		
		5825	1	17.347	Pass		
			2	16.869	Pass		
		802.11n (HT20)	MIMO	5180	1	18.100	Pass
					2	17.707	Pass
5200	1			18.086	Pass		
	2			17.745	Pass		
5240	1			18.096	Pass		
	2			17.751	Pass		
5745	1			18.086	Pass		
	2			17.766	Pass		
5785	1			18.078	Pass		
	2			17.795	Pass		
5825	1			18.106	Pass		
	2			17.816	Pass		
802.11n (HT40)	MIMO			5190	1	36.209	Pass
					2	36.508	Pass
		5230	1	36.155	Pass		
			2	36.546	Pass		
		5755	1	36.241	Pass		
			2	36.558	Pass		
		5795	1	36.170	Pass		
			2	36.549	Pass		
		802.11ac (VHT20)	MIMO	5180	1	18.108	Pass
					2	17.828	Pass
5200	1			18.026	Pass		
	2			17.843	Pass		
5240	1			18.128	Pass		
	2			17.863	Pass		
5745	1			18.147	Pass		
	2			17.878	Pass		
5785	1			18.097	Pass		
	2			17.850	Pass		
5825	1			18.064	Pass		
	2			17.868	Pass		
802.11ac (VHT40)	MIMO			5190	1	36.372	Pass
					2	36.364	Pass
		5230	1	36.278	Pass		
			2	35.991	Pass		
		5755	1	36.280	Pass		
			2	36.502	Pass		
		5795	1	36.349	Pass		
			2	36.345	Pass		
		802.11ac	MIMO	5210	1	75.818	Pass

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(VHT80)	5775	2	75.582	Pass
		1	75.672	Pass
		2	75.759	Pass



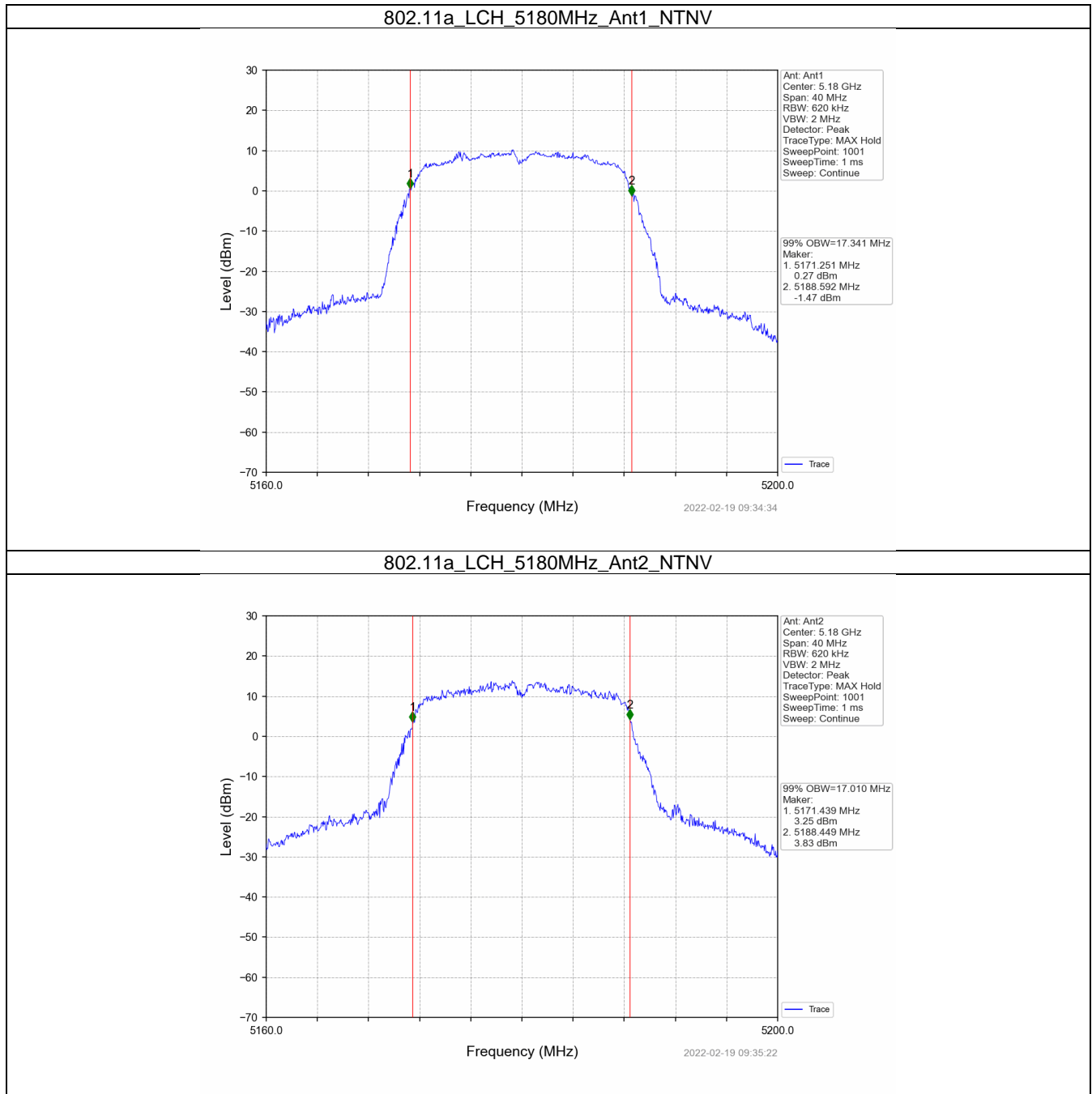
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2.1.2 Test Graph



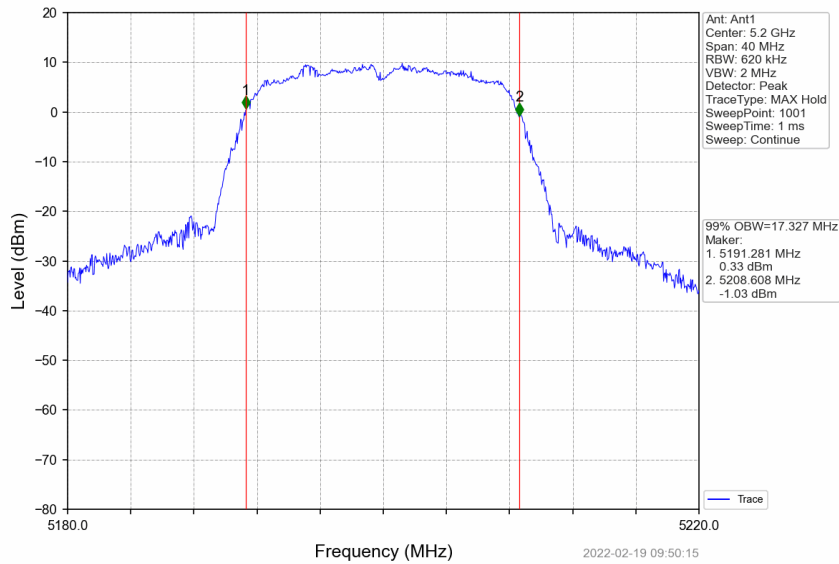
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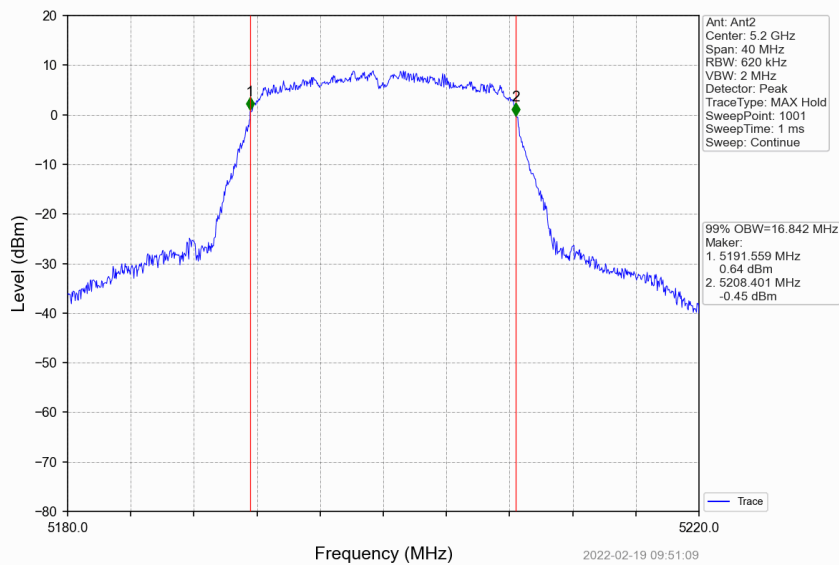
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



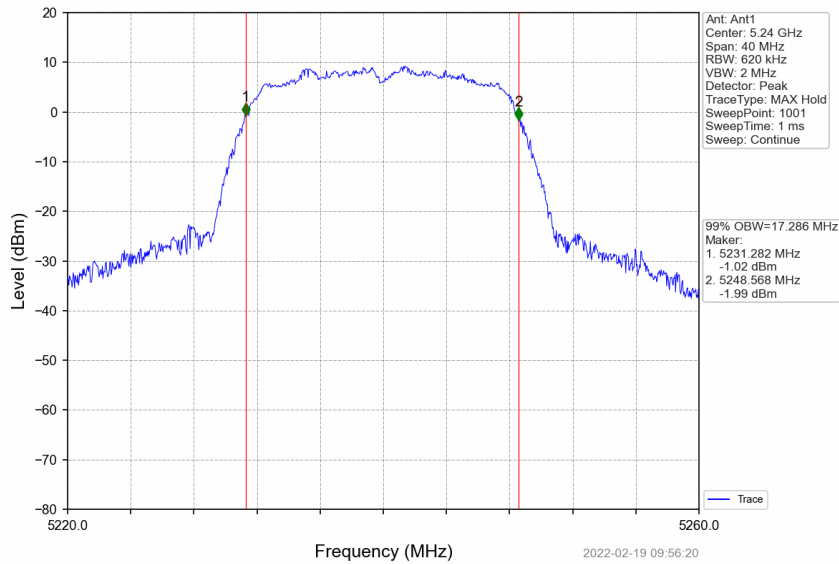
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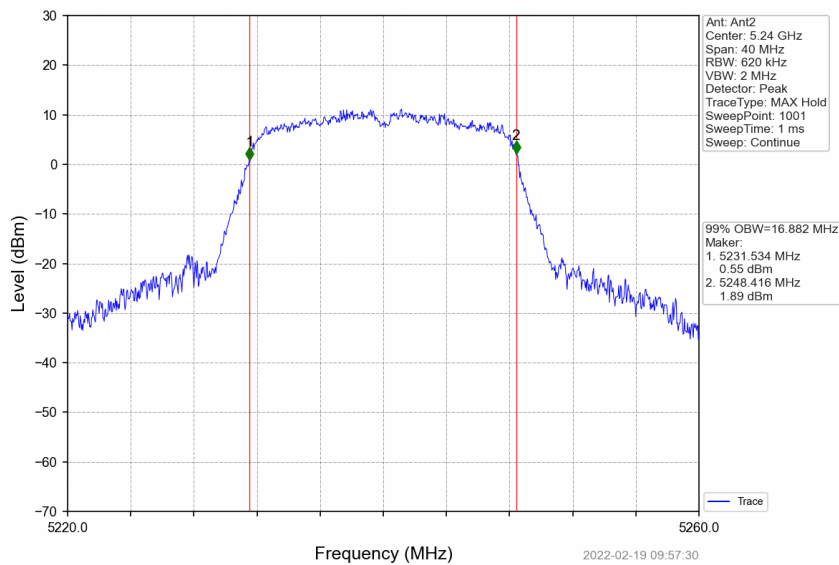
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802.11a_HCH_5240MHz_Ant2_NTNV



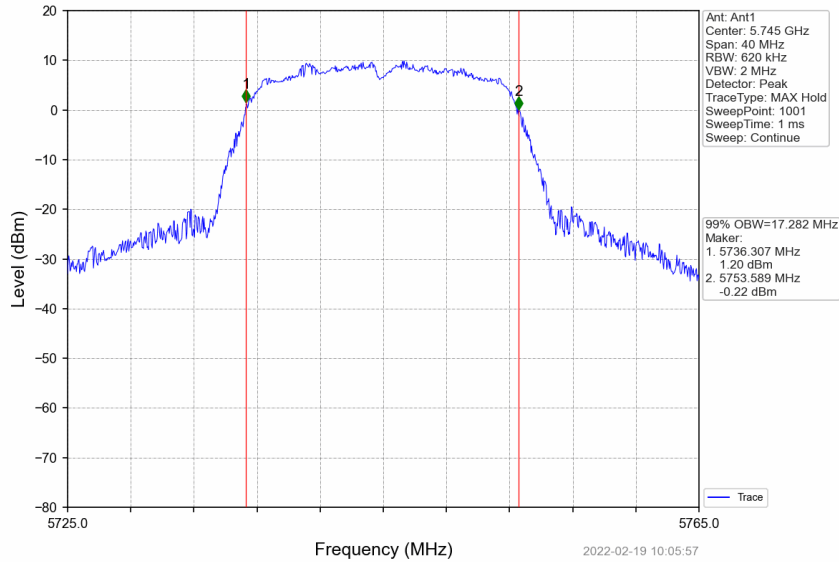
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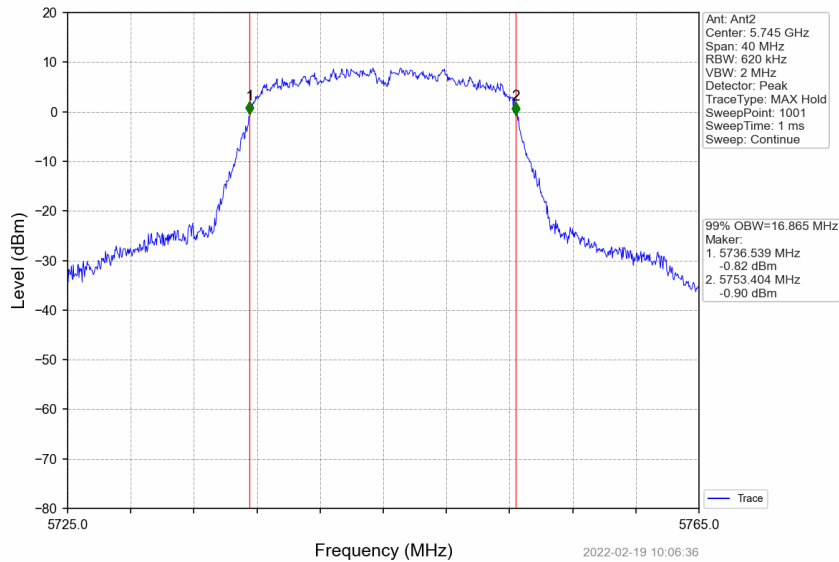
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802.11a_LCH_5745MHz_Ant2_NTNV



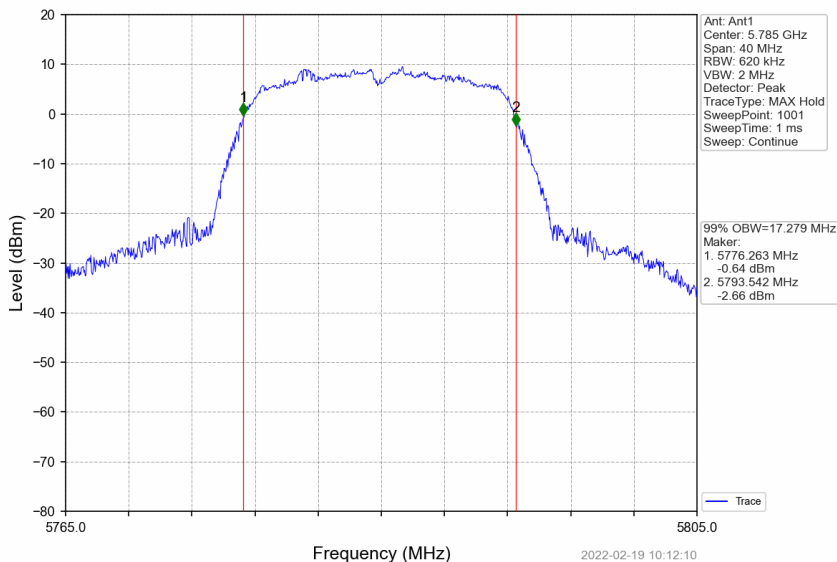
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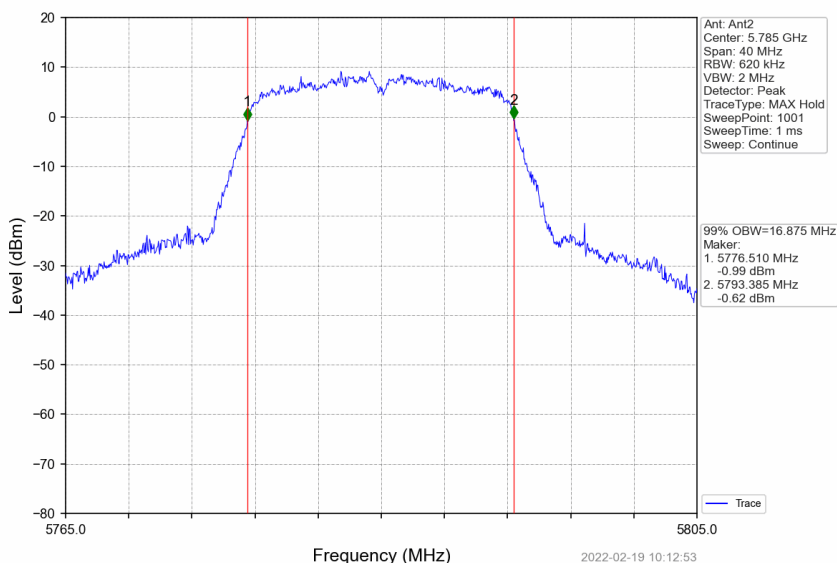
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802.11a_MCH_5785MHz_Ant2_NTNV



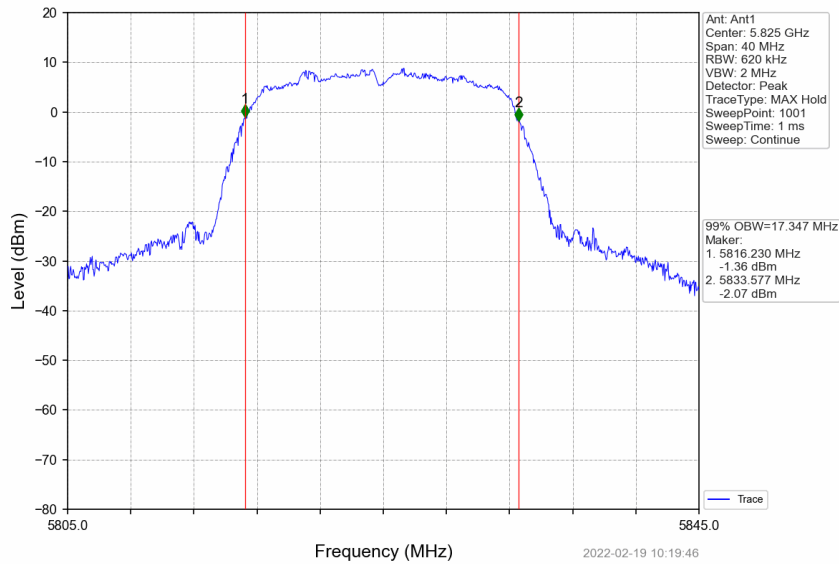
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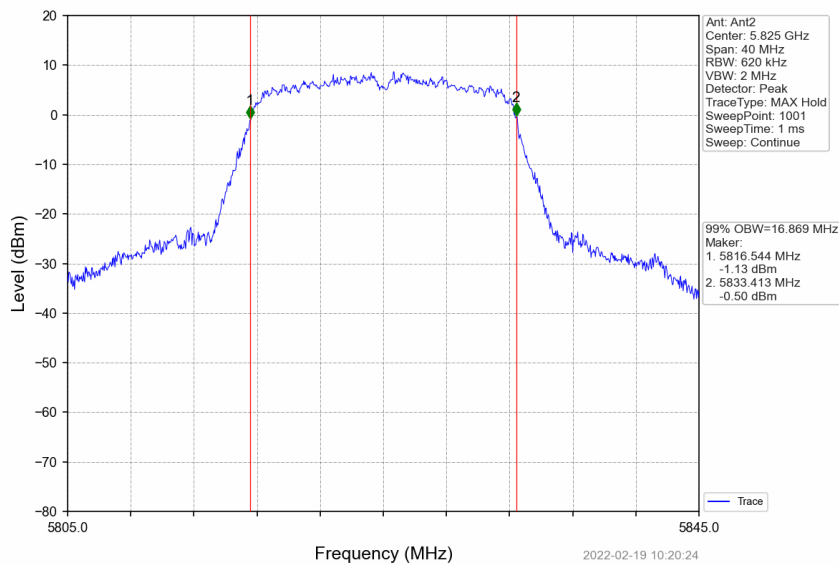
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802.11a_HCH_5825MHz_Ant2_NTNV



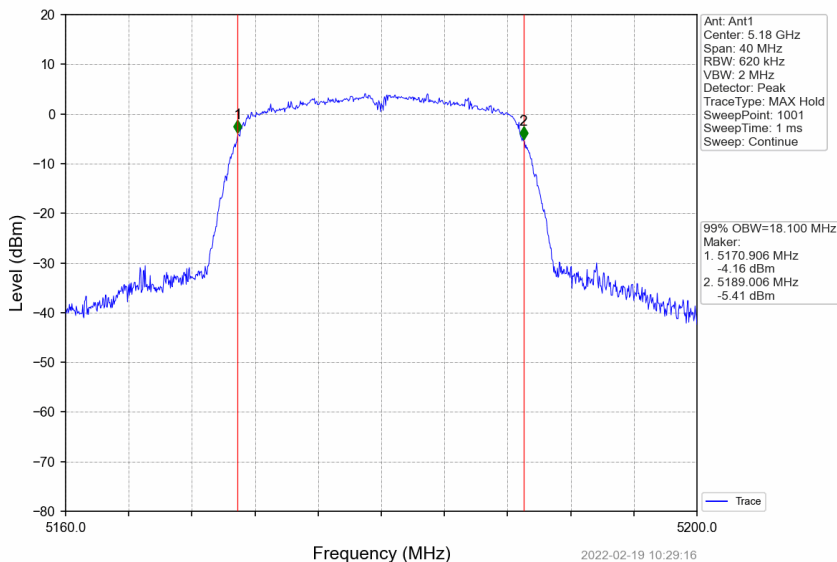
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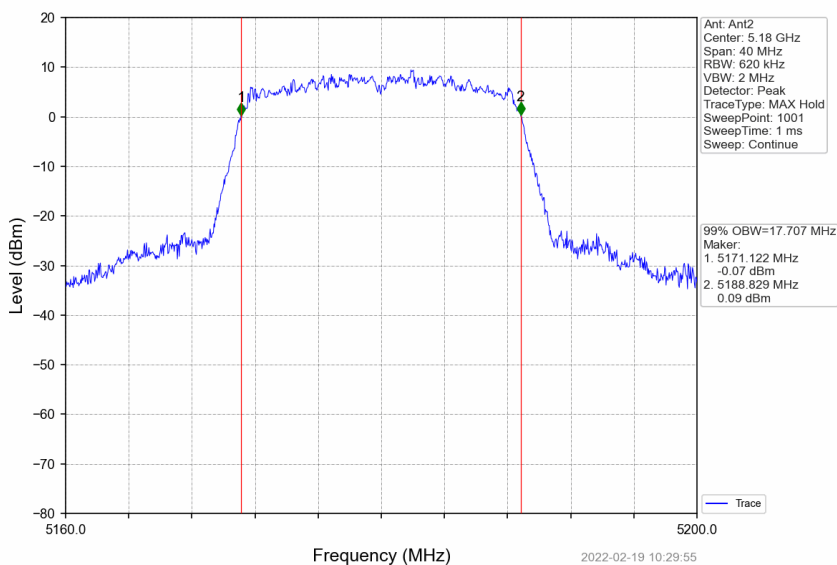
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

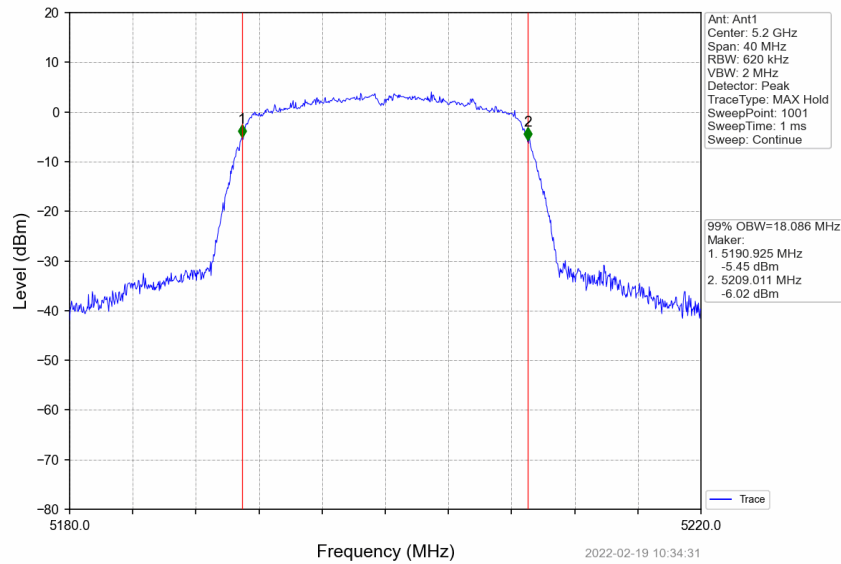


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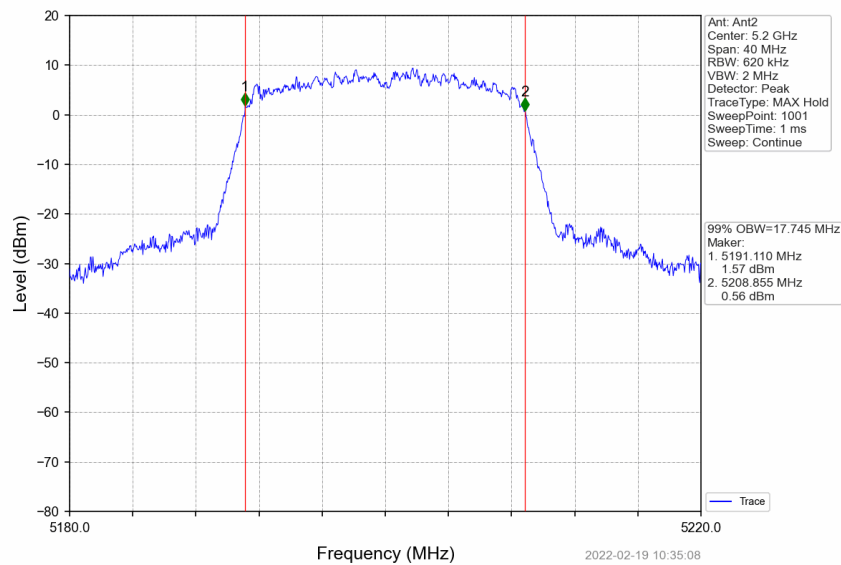
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



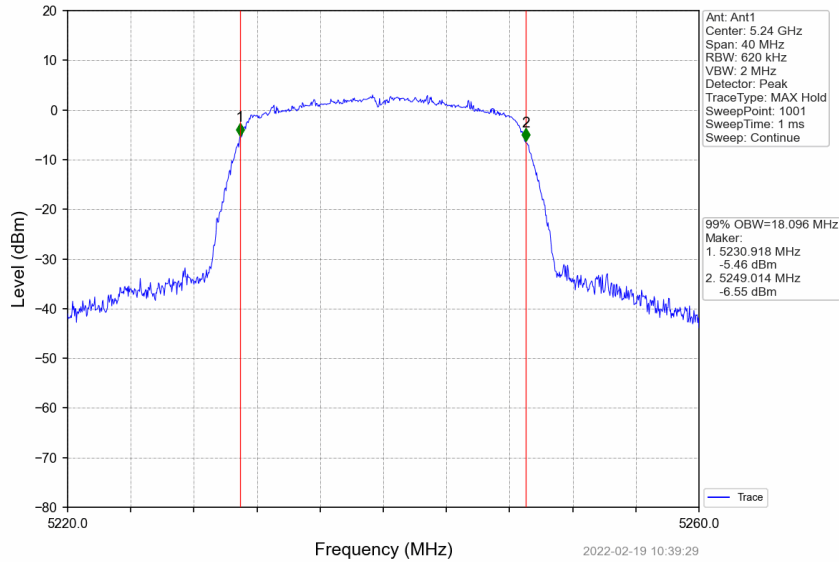
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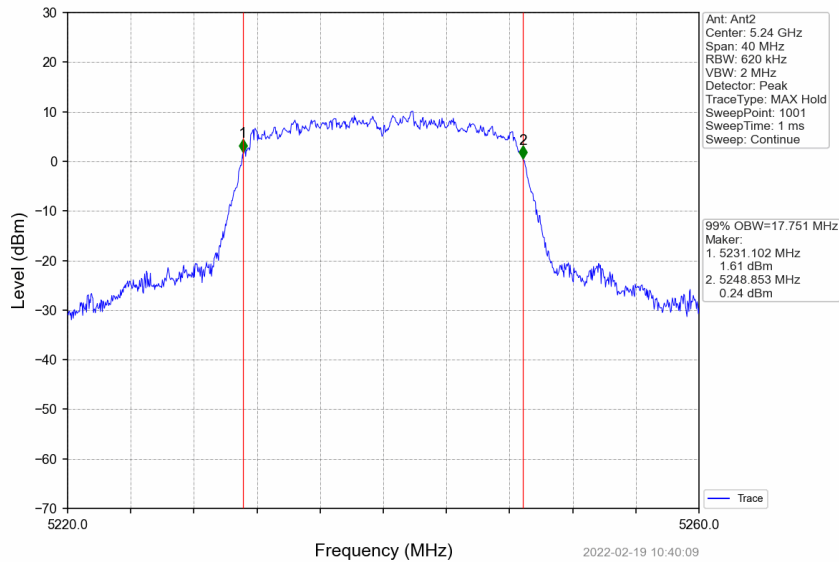
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



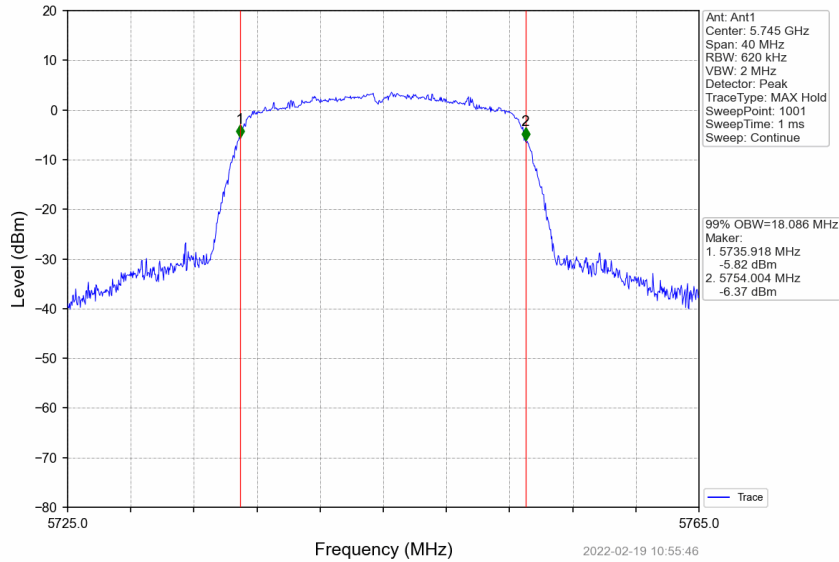
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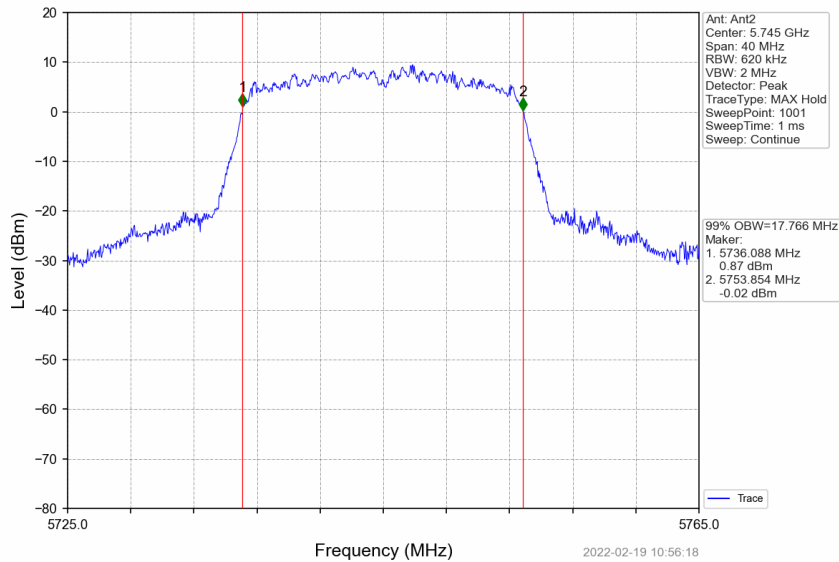
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



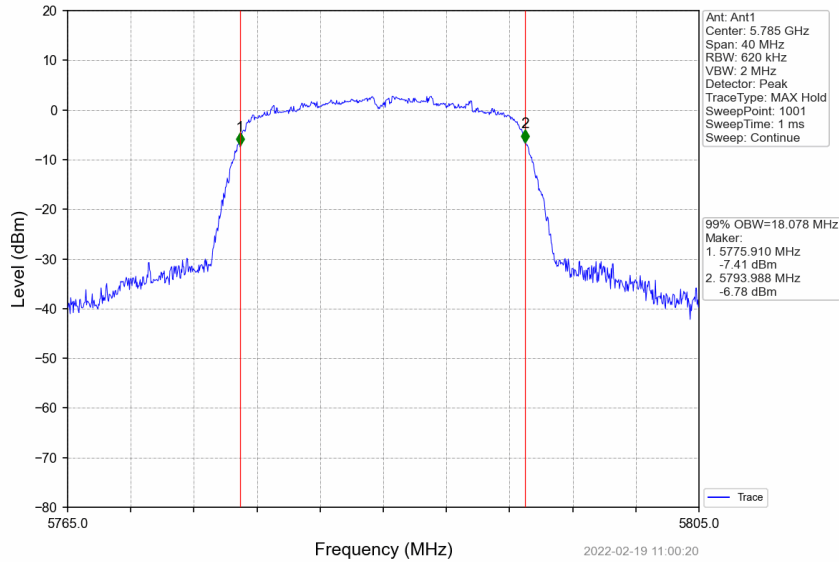
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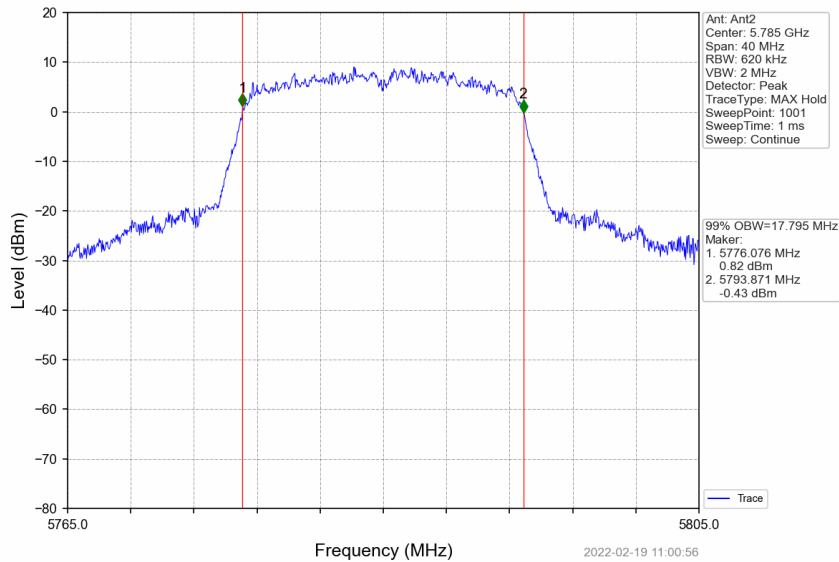
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



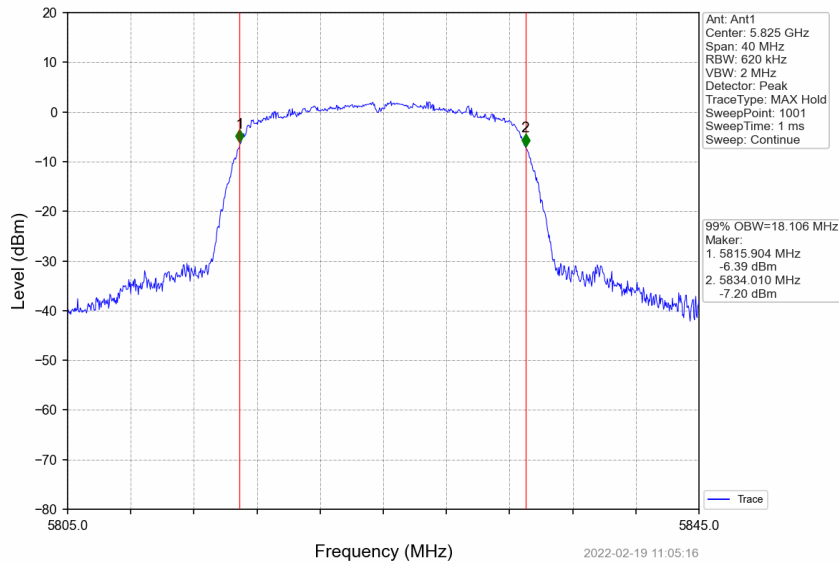
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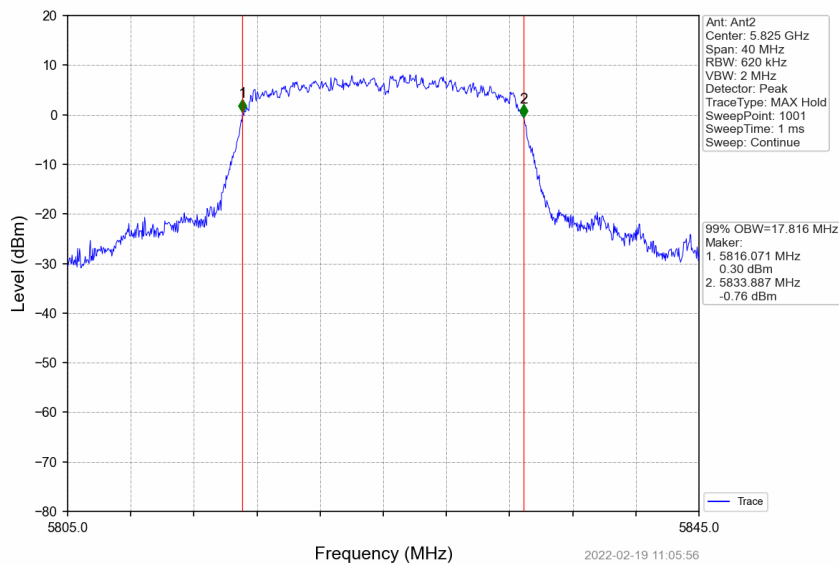
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



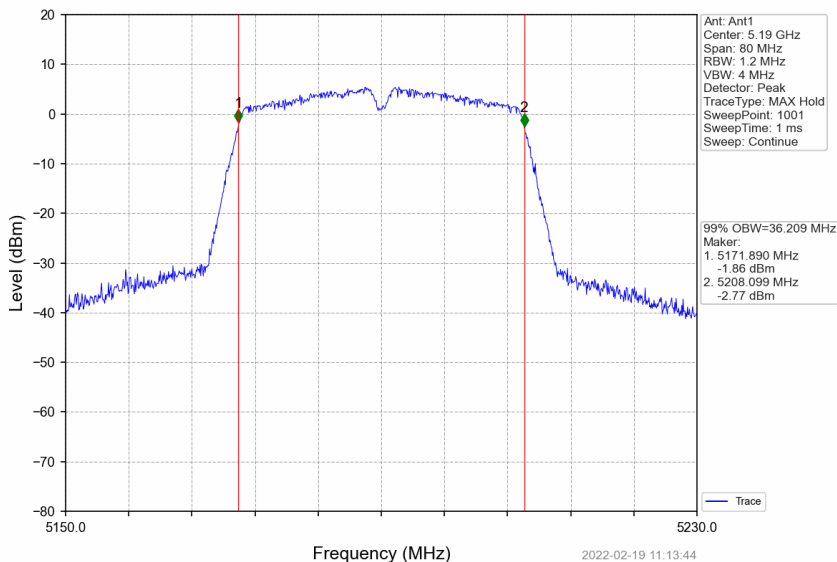
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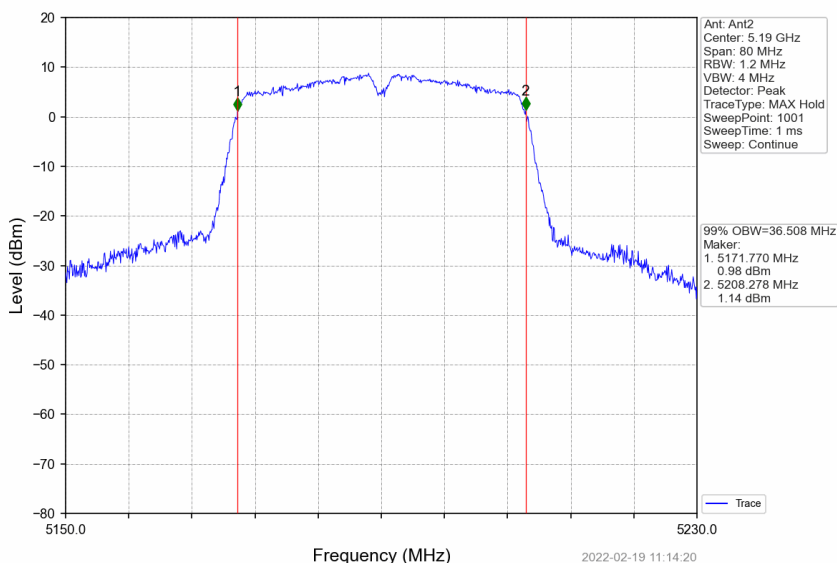
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

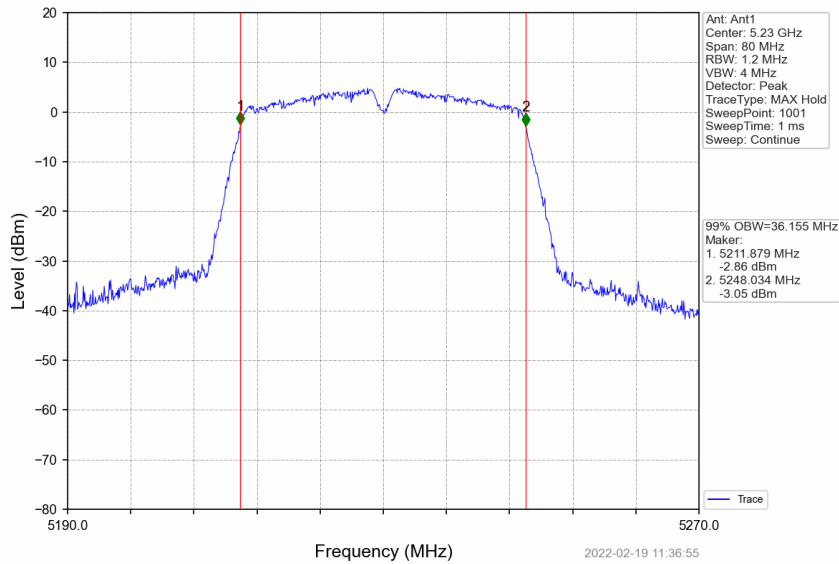


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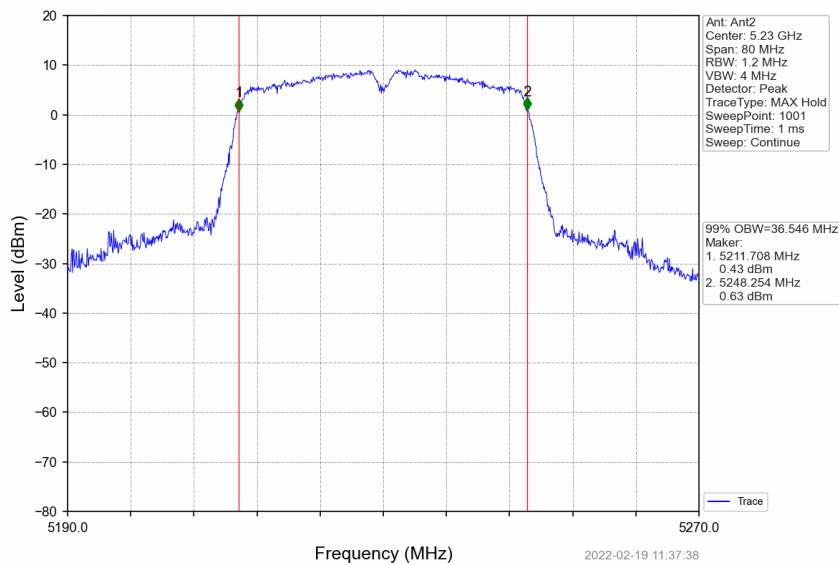
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



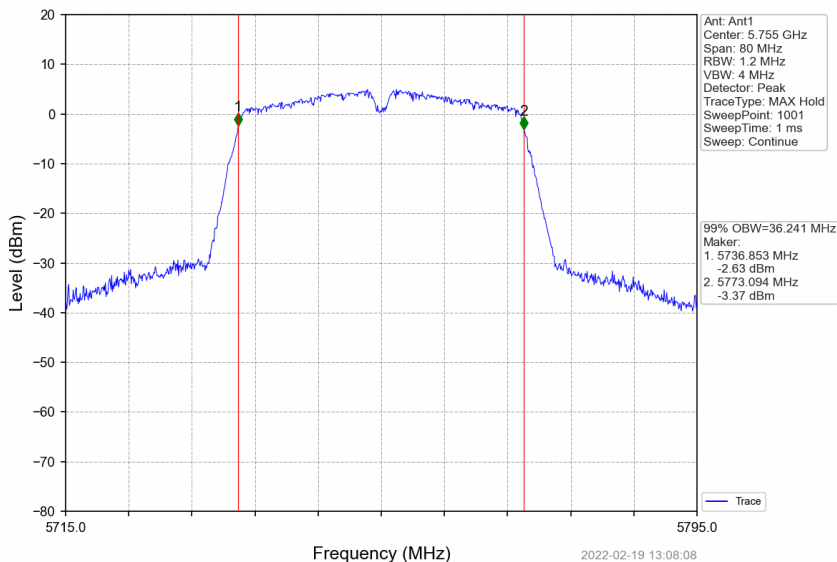
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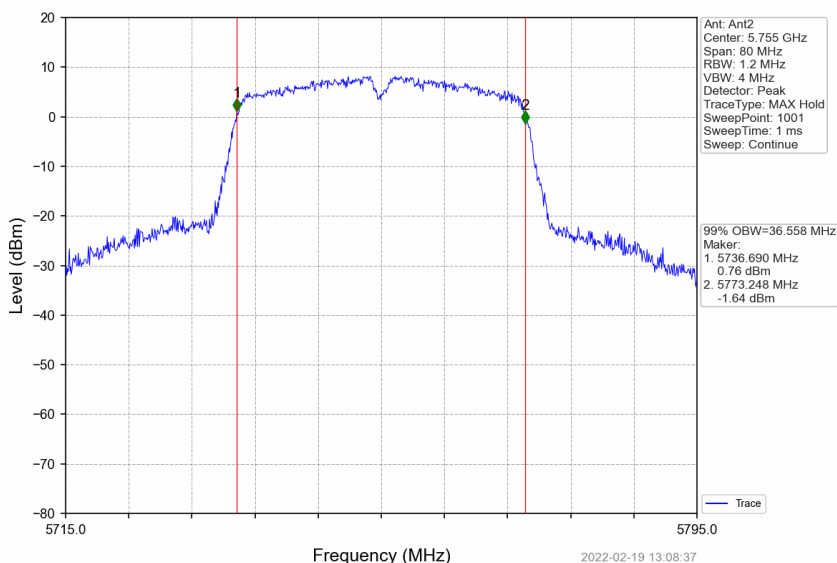
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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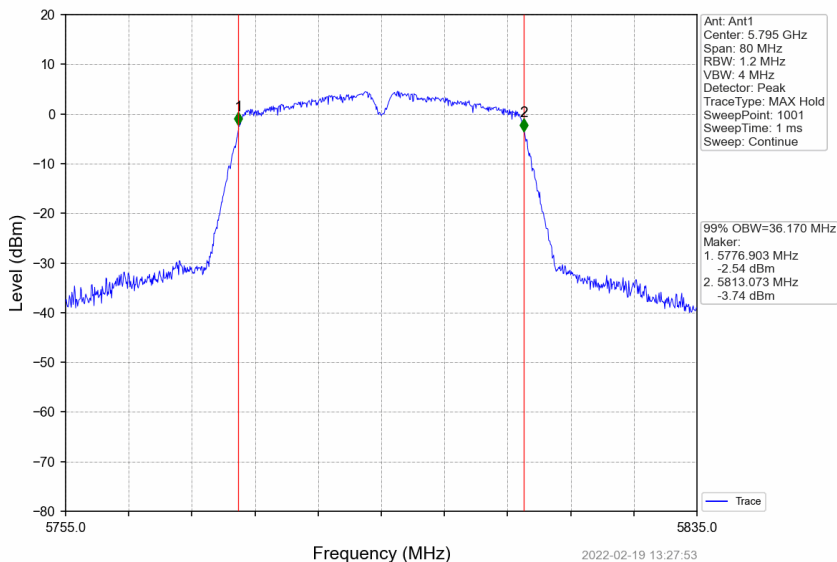


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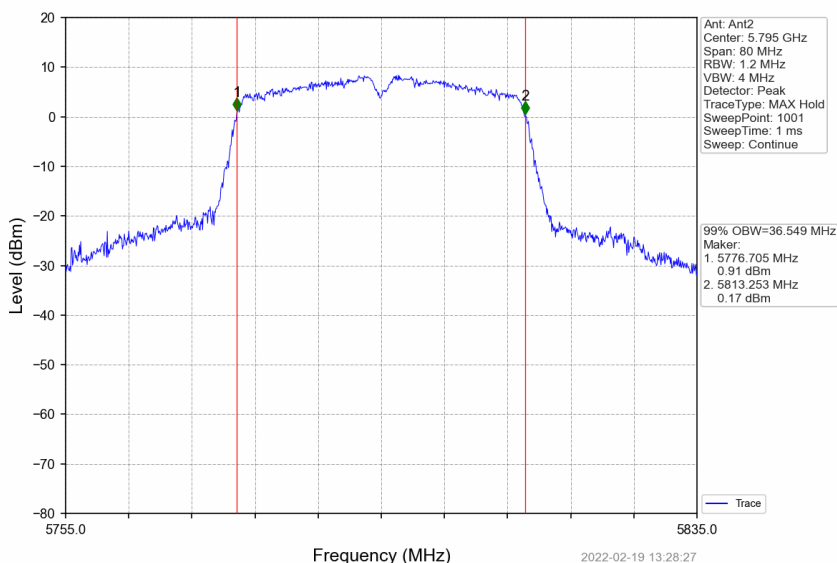
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



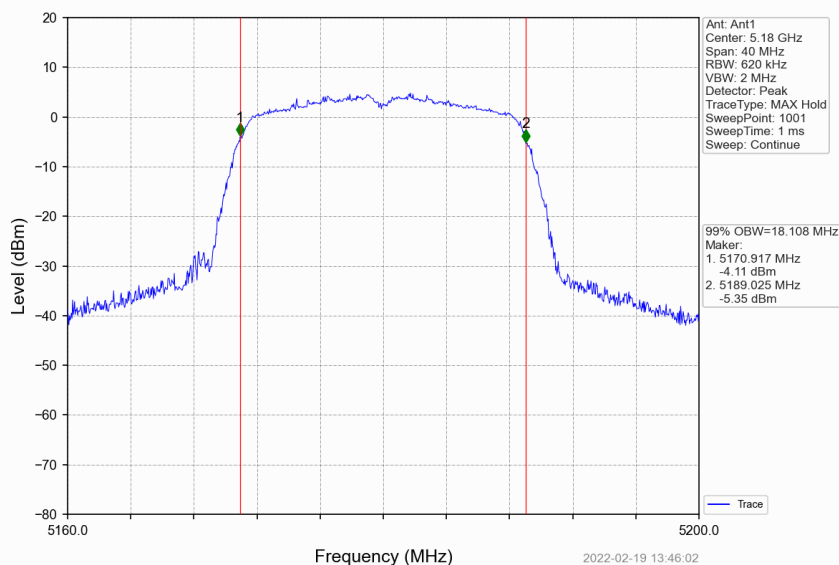
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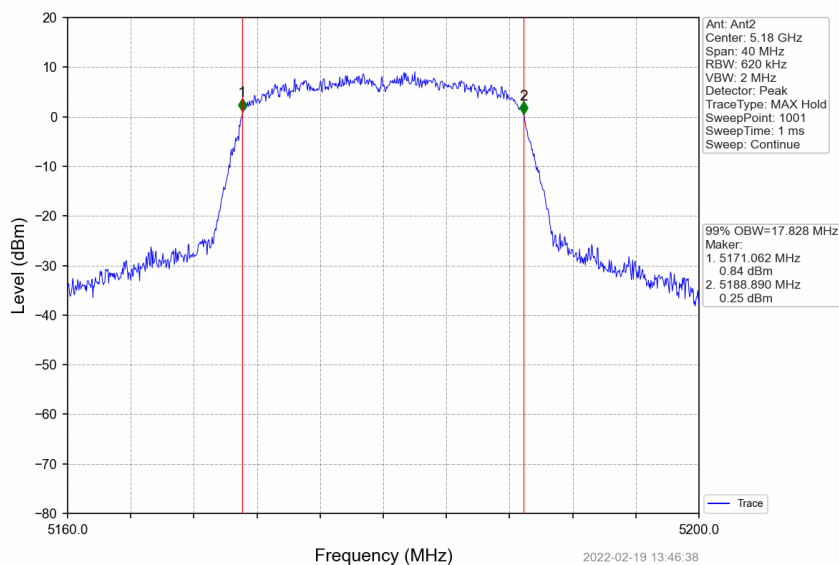
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802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV

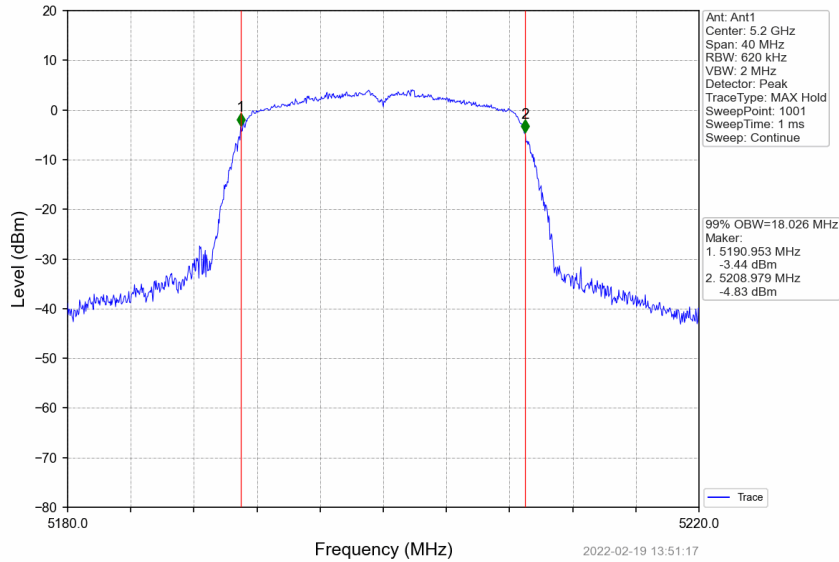


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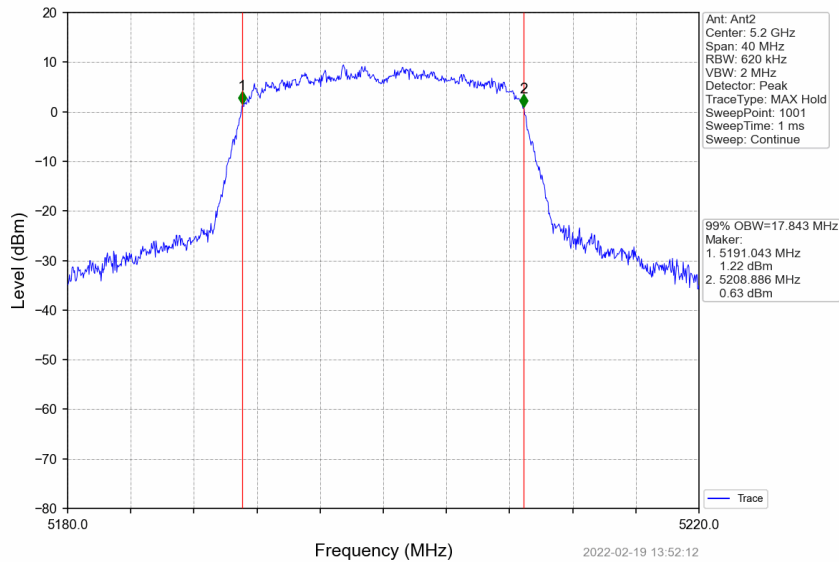
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



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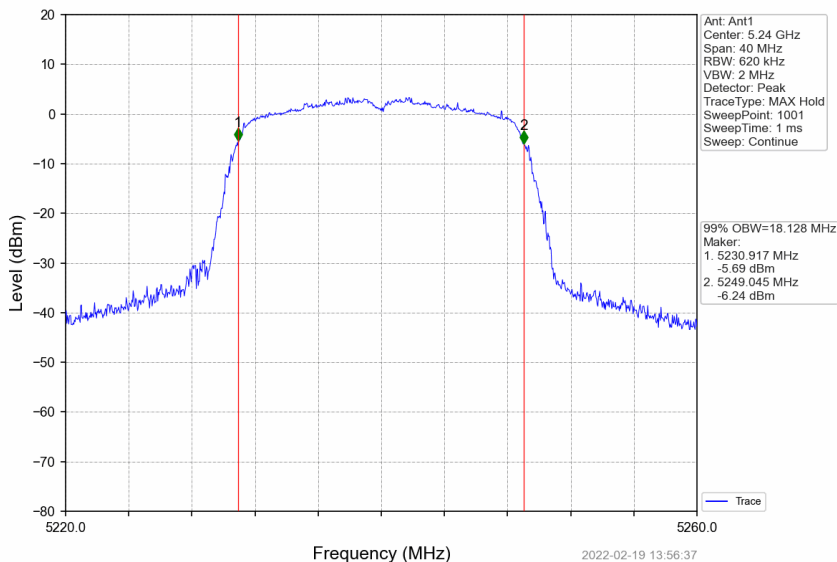
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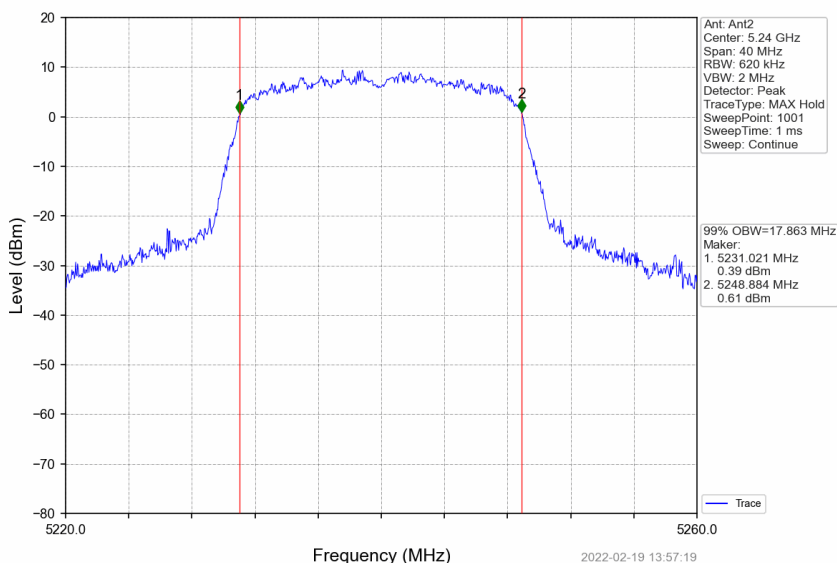
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV

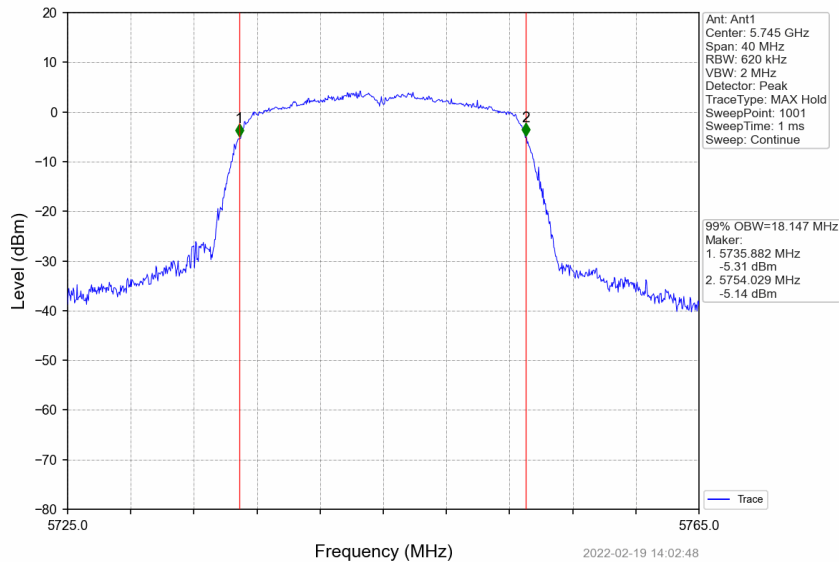


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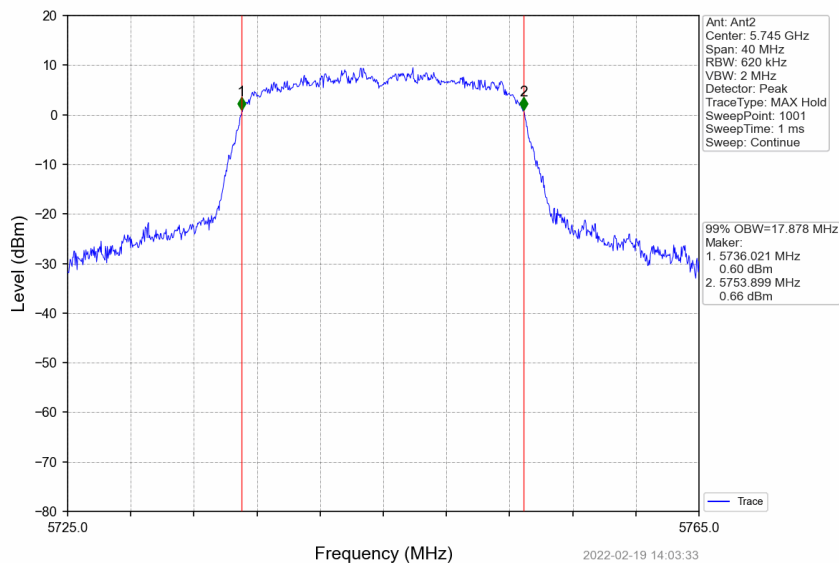
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



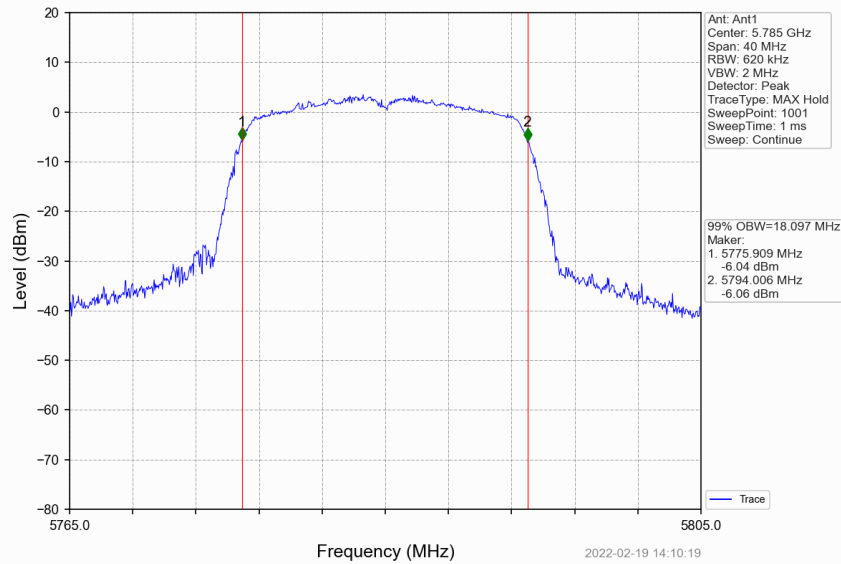
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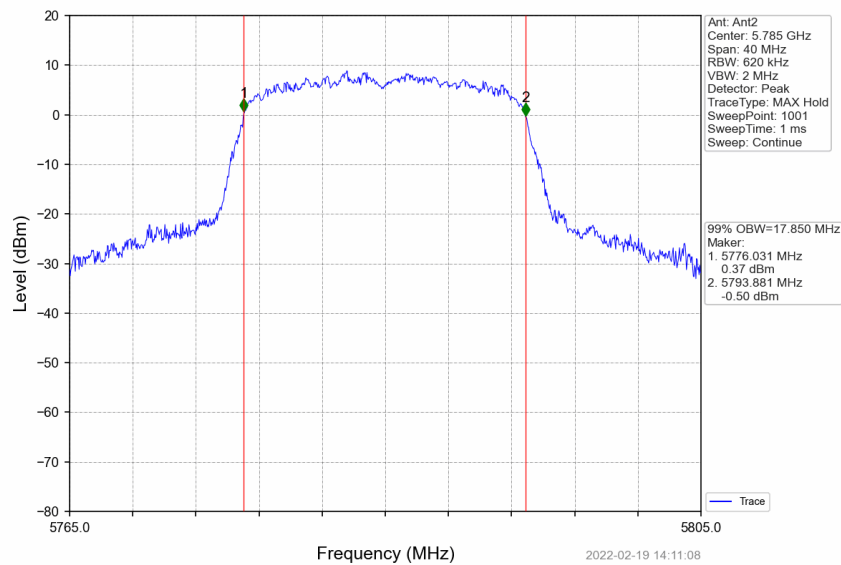
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



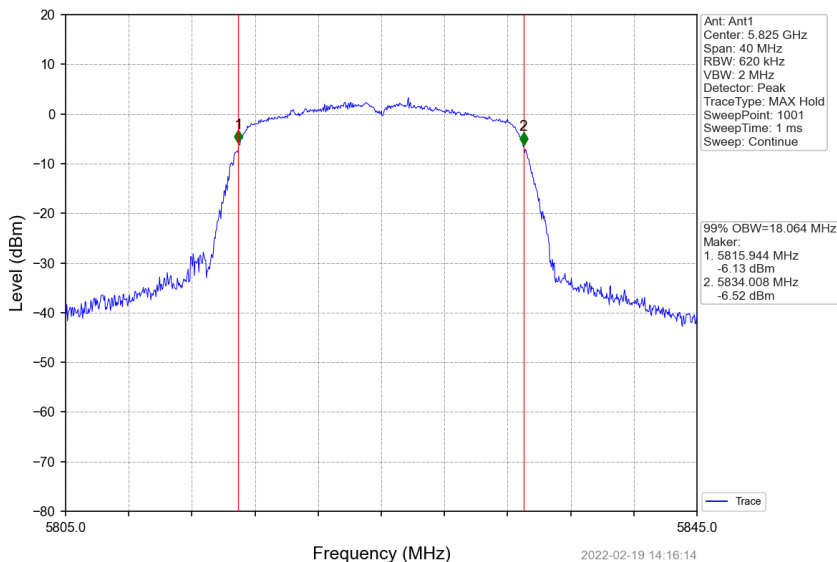
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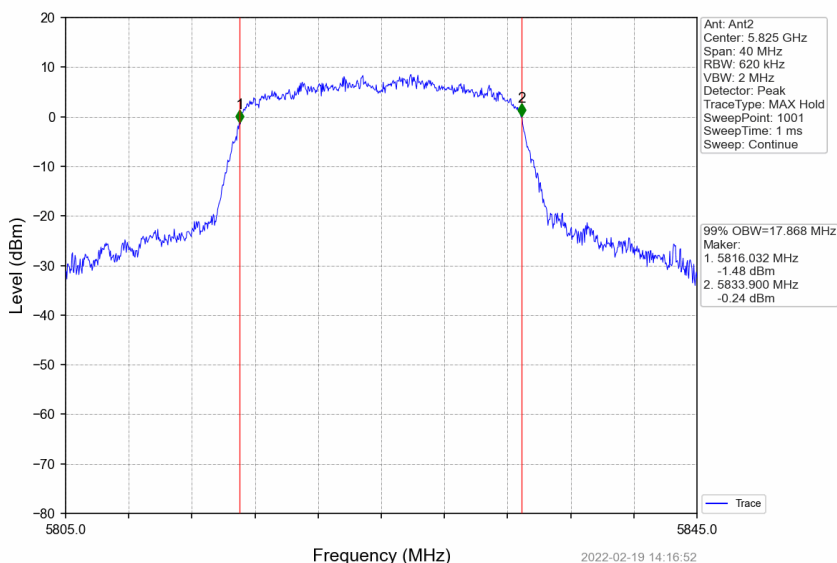
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



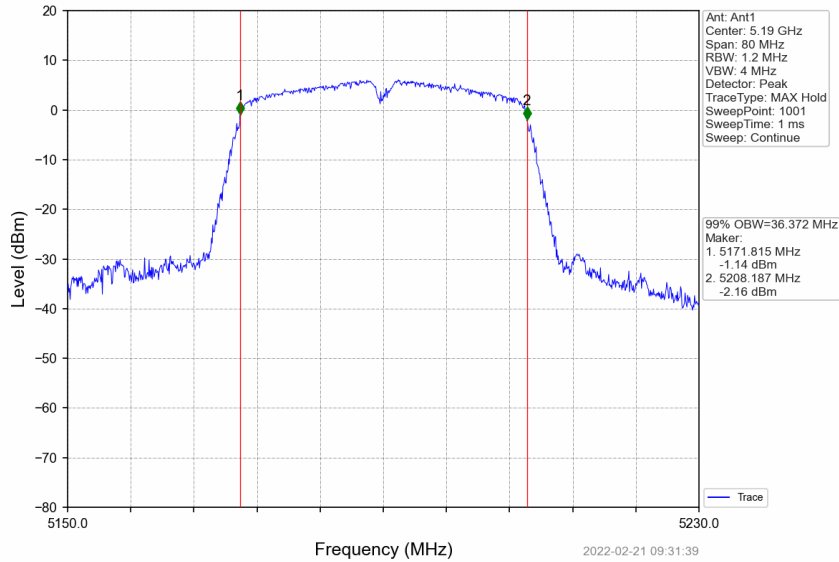
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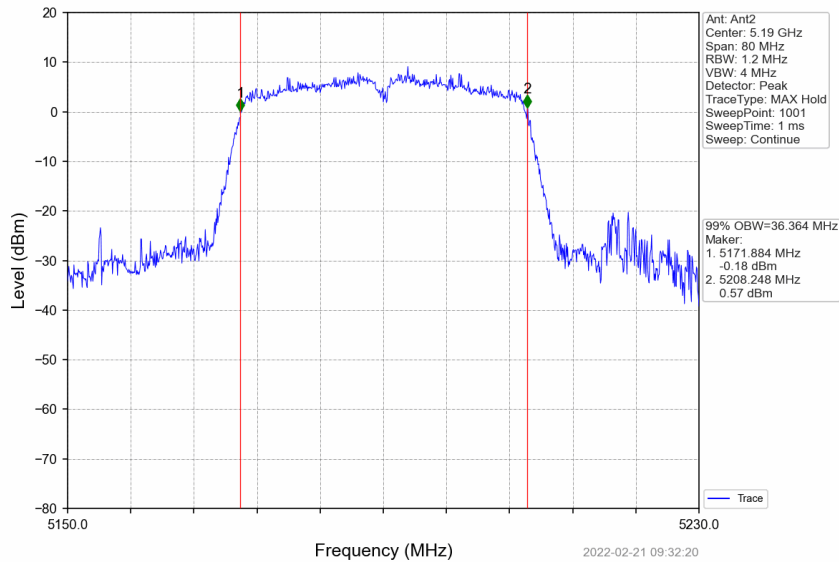
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



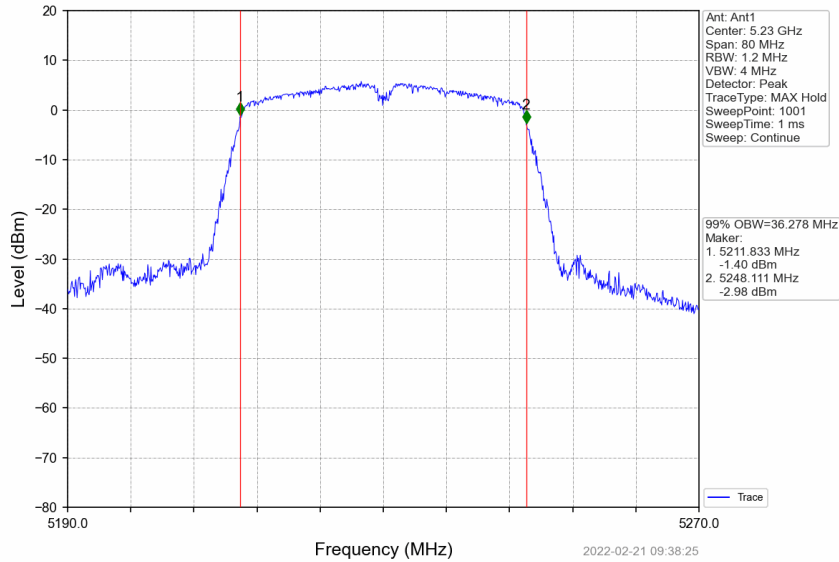
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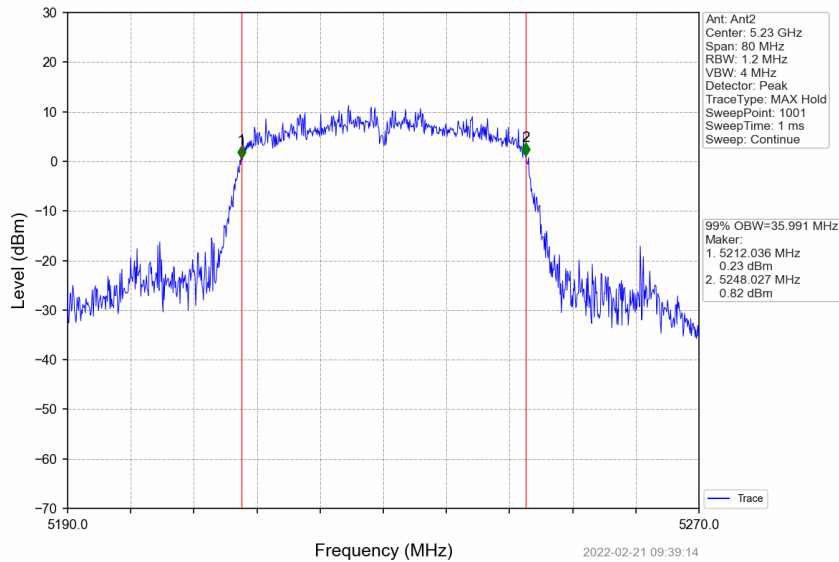
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



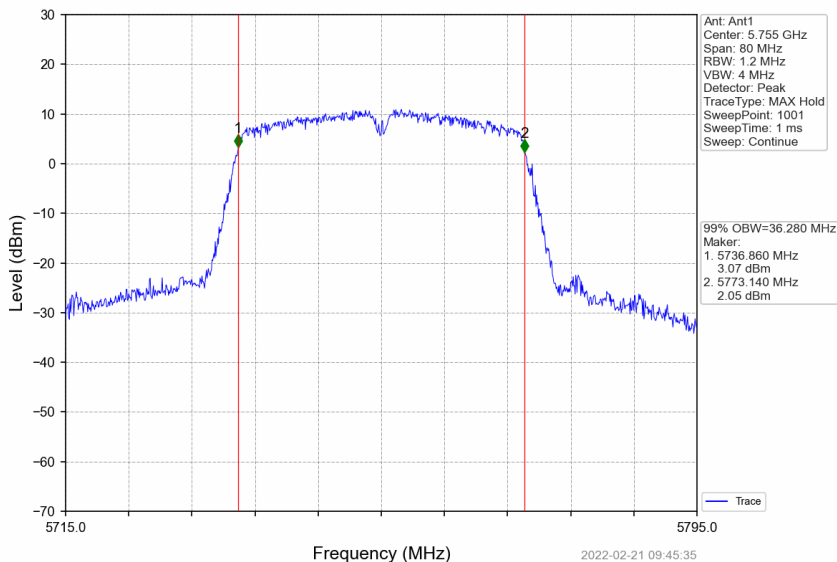
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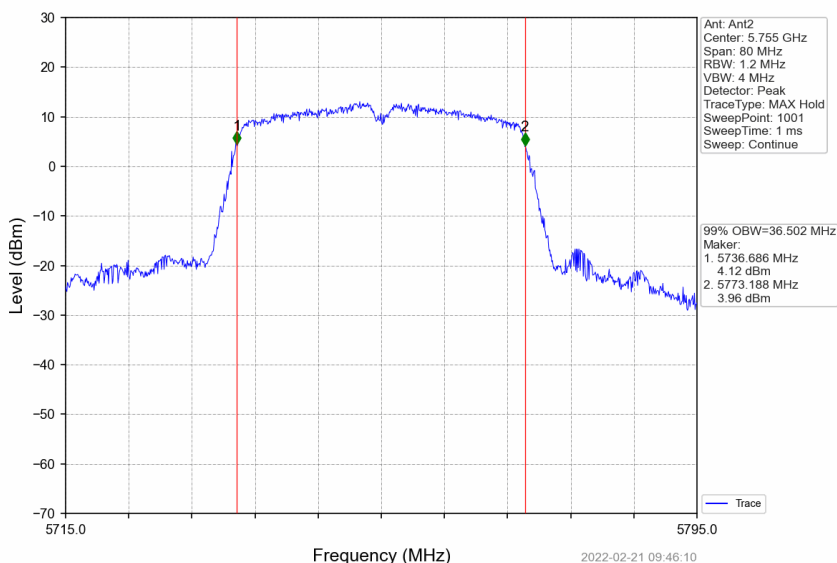
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



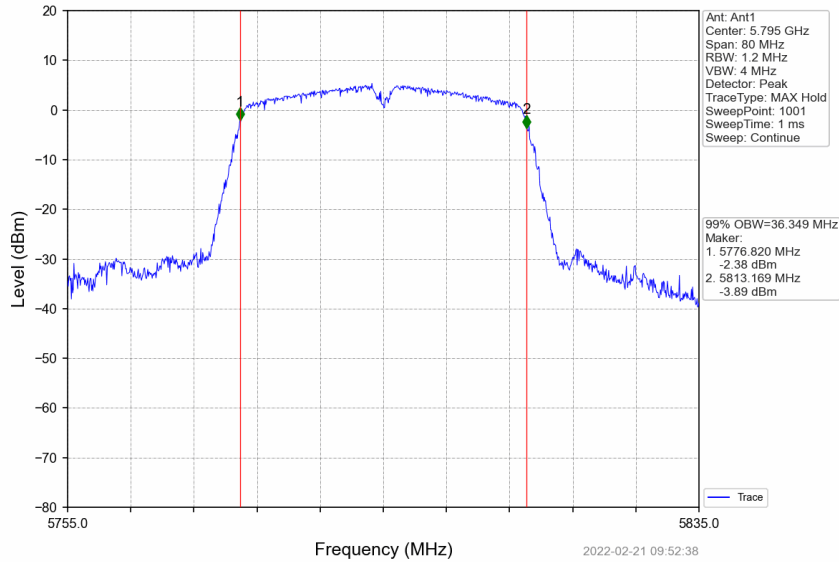
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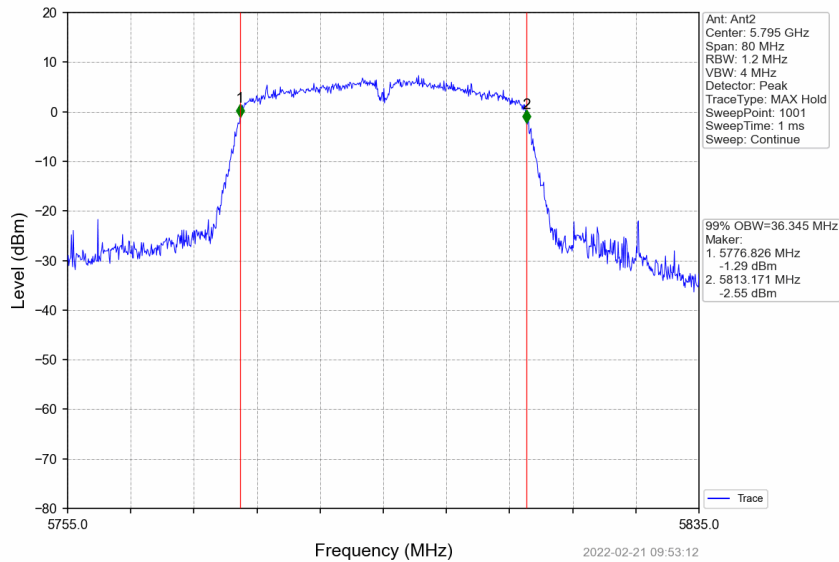
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



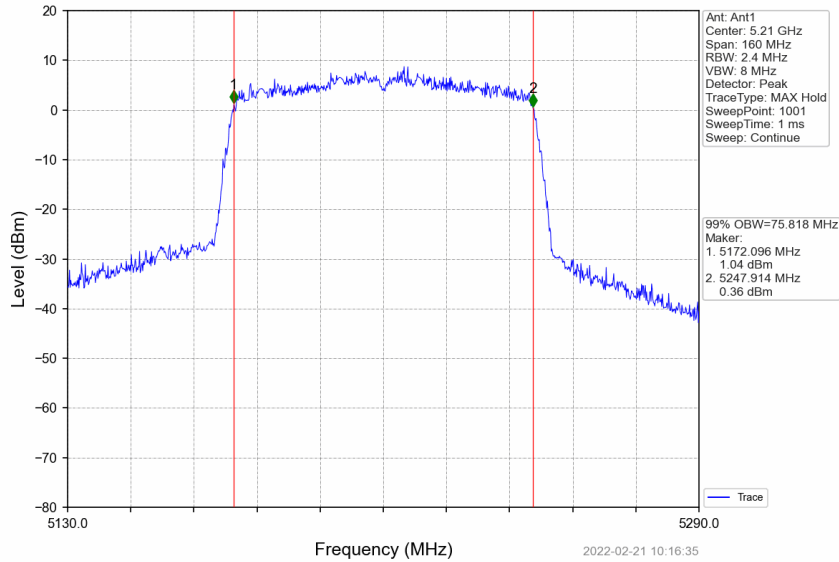
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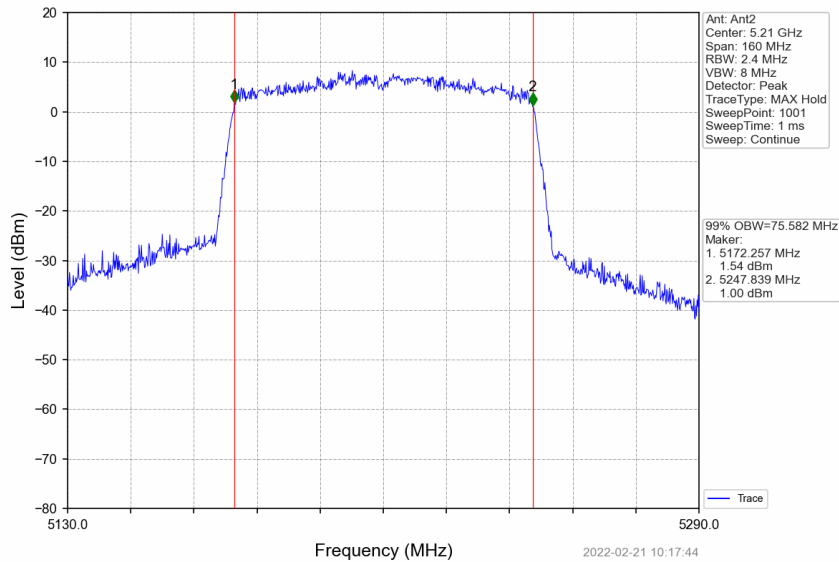
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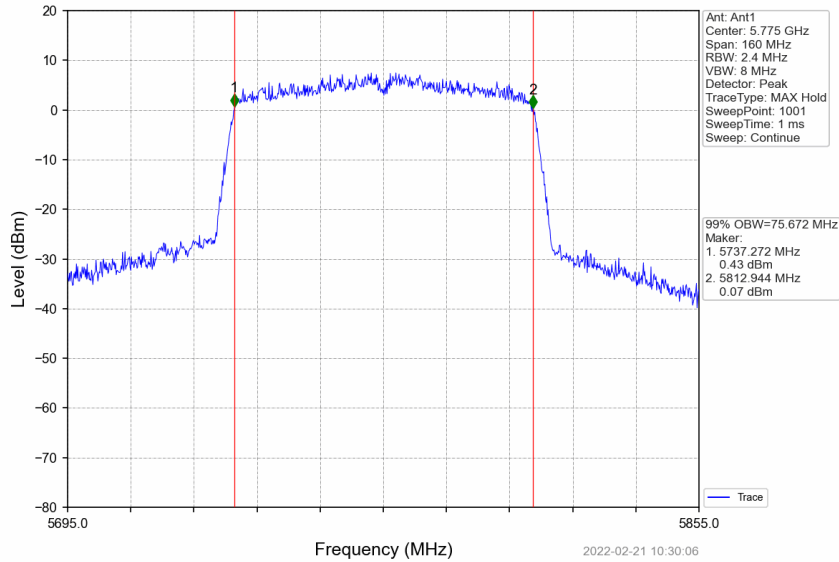
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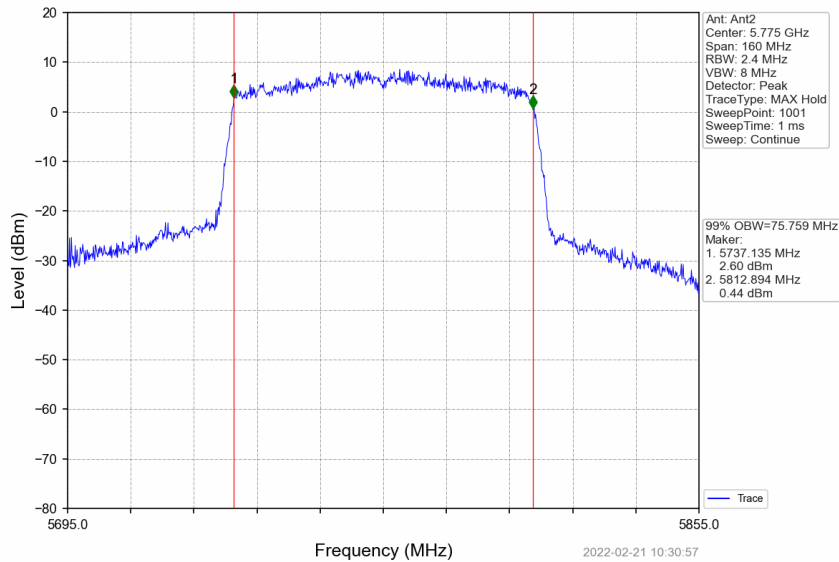
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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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	15.067	>=0.5	Pass
			2	15.132	>=0.5	Pass
		5785	1	15.149	>=0.5	Pass
			2	15.163	>=0.5	Pass
		5825	1	15.113	>=0.5	Pass
			2	15.058	>=0.5	Pass
802.11n (HT20)	MIMO	5745	1	15.139	>=0.5	Pass
			2	15.718	>=0.5	Pass
		5785	1	15.164	>=0.5	Pass
			2	15.140	>=0.5	Pass
		5825	1	15.147	>=0.5	Pass
			2	16.525	>=0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.158	>=0.5	Pass
			2	35.142	>=0.5	Pass
		5795	1	35.144	>=0.5	Pass
			2	35.122	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	15.154	>=0.5	Pass
			2	15.144	>=0.5	Pass
		5785	1	15.145	>=0.5	Pass
			2	15.139	>=0.5	Pass
		5825	1	15.148	>=0.5	Pass
			2	15.116	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.165	>=0.5	Pass
			2	35.145	>=0.5	Pass
		5795	1	35.155	>=0.5	Pass
			2	35.108	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.172	>=0.5	Pass
			2	75.142	>=0.5	Pass



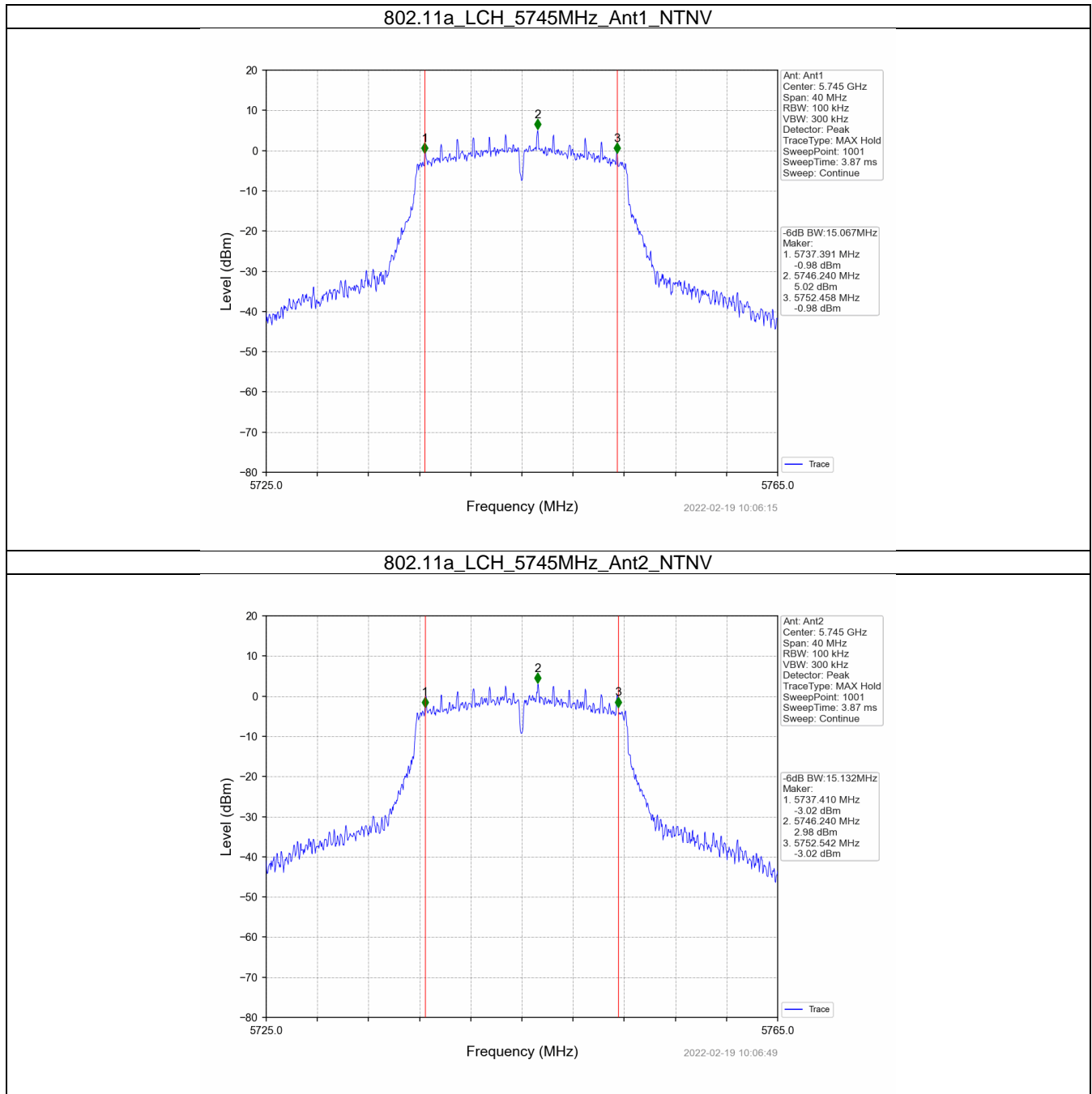
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2.2.2 Test Graph



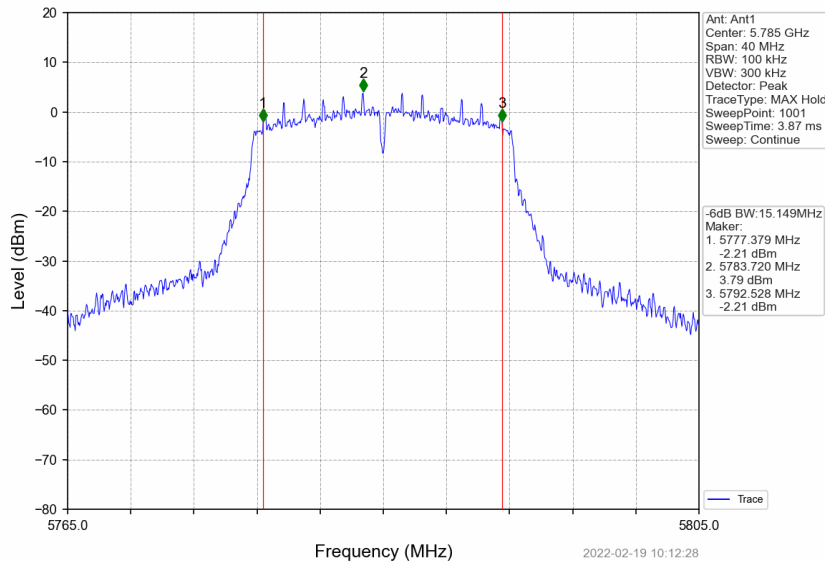
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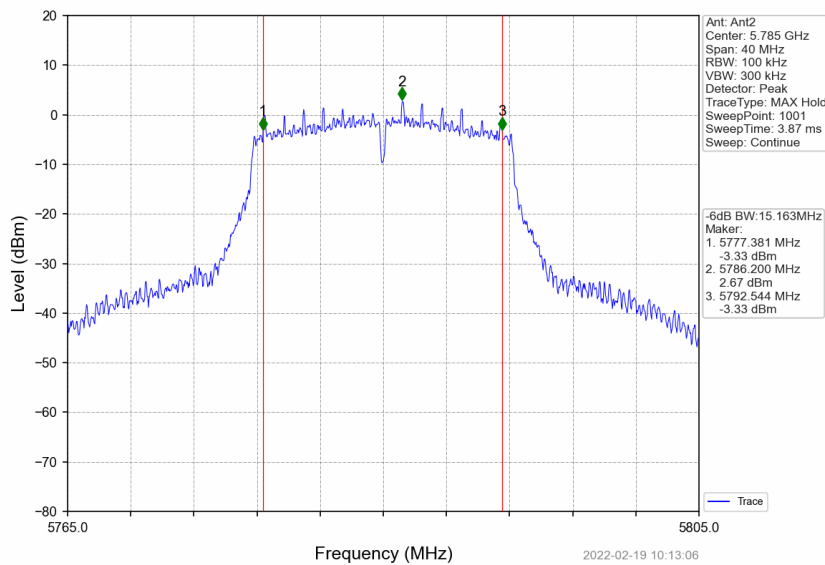
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



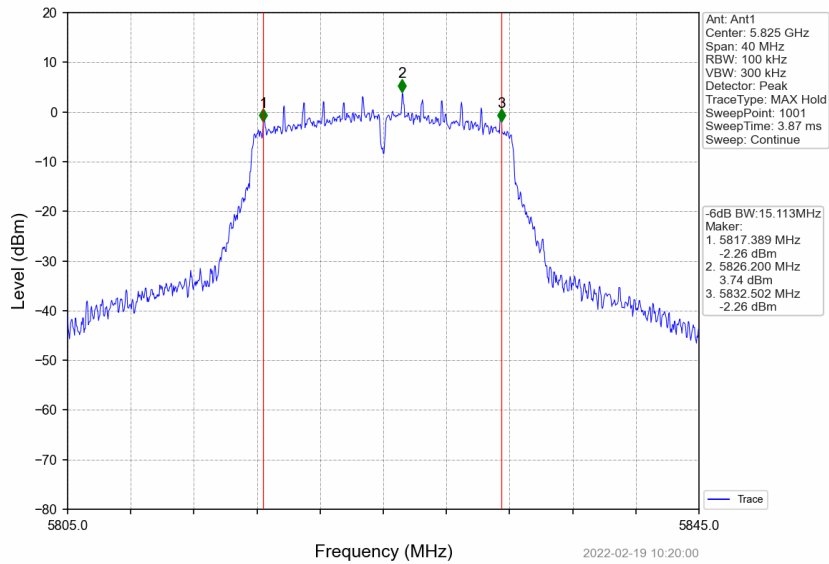
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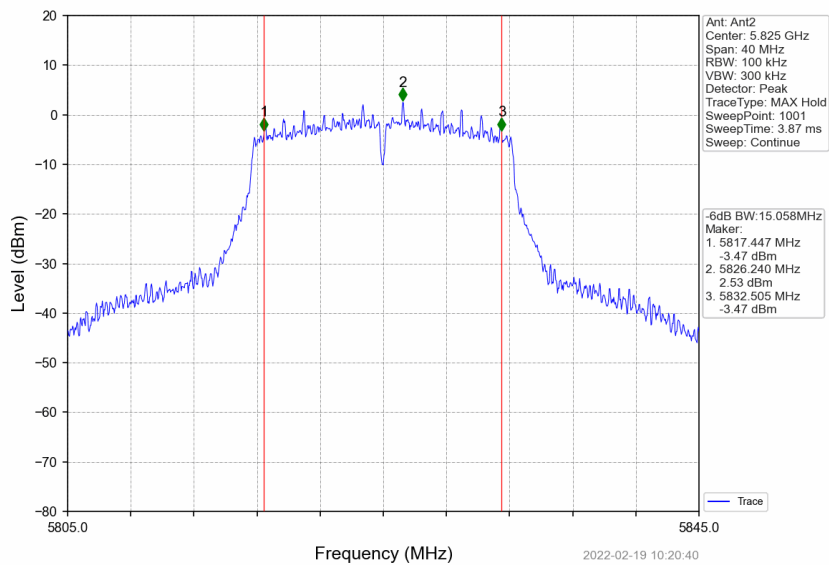
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



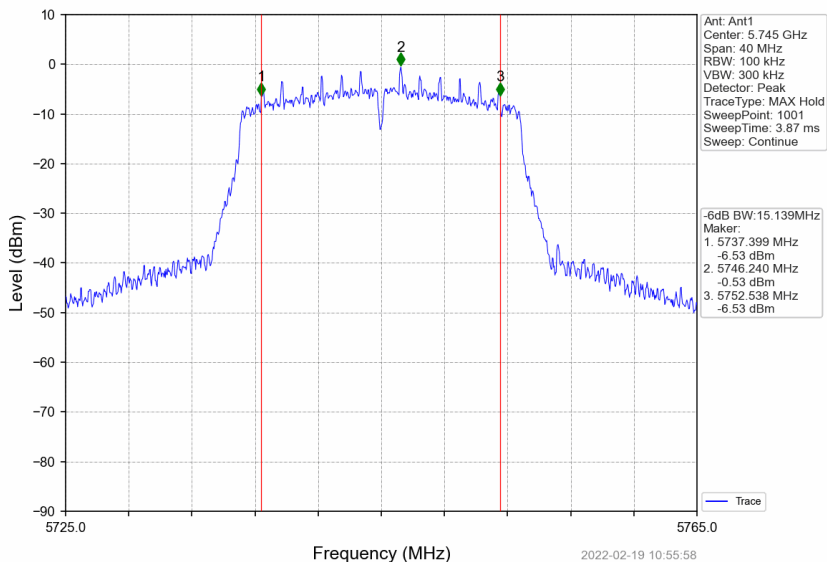
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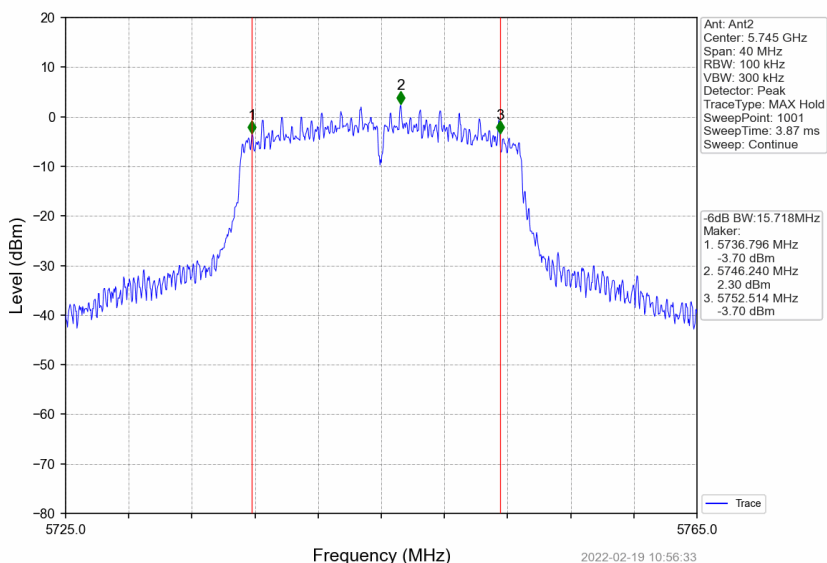
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant2_NTNV

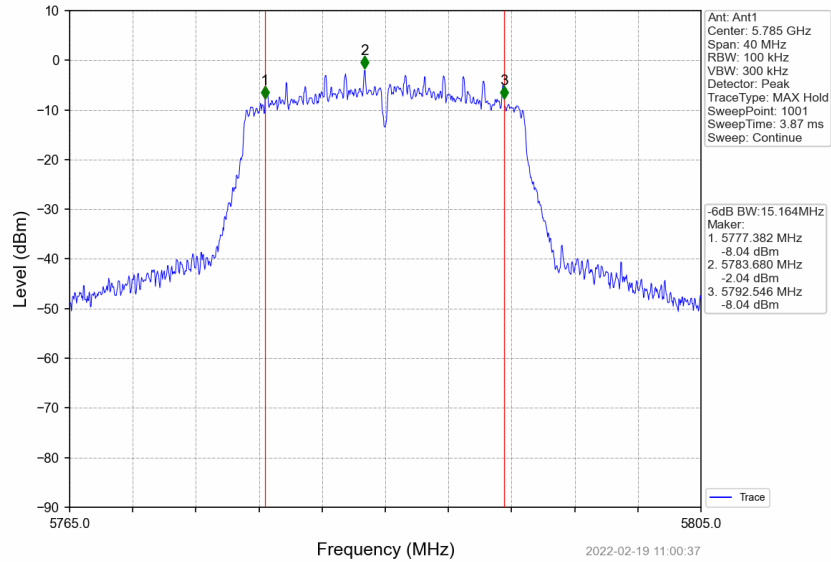


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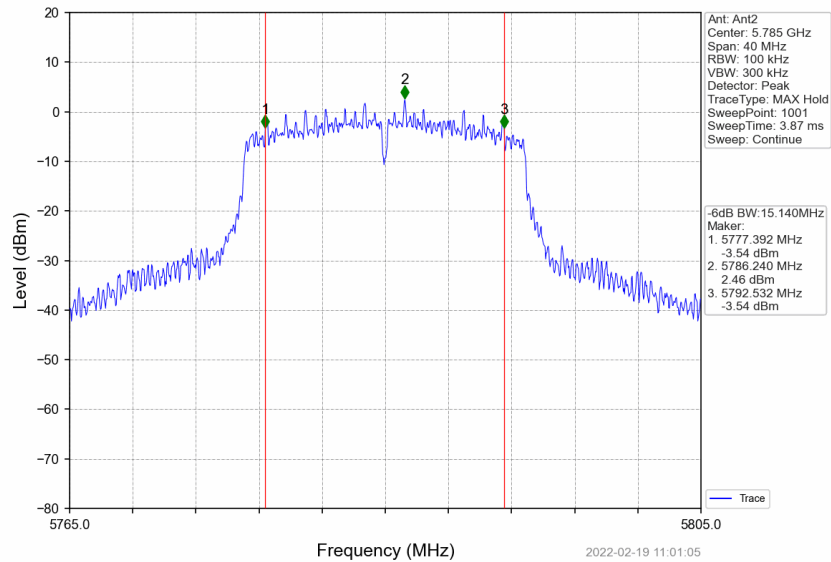
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802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



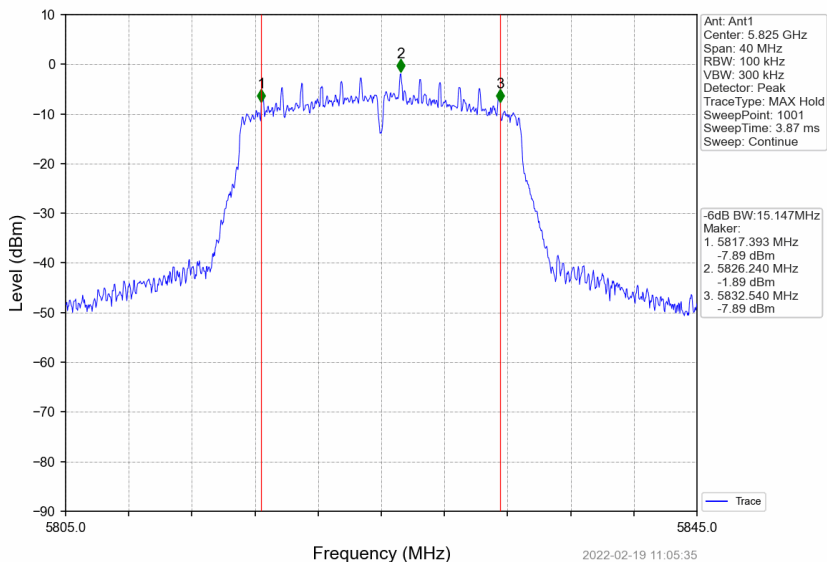
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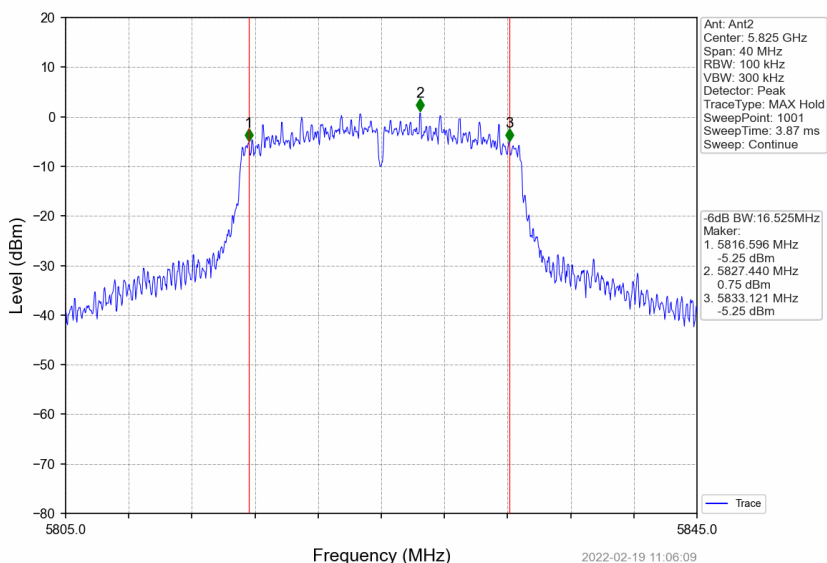
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