

Appendix B for KSCR220100002802AT-FCC-5G Wifi-MT7668

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	1.391	1.490	93.36	0.30	0.03
		5200	1.392	1.491	93.36	0.30	0.00
		5240	1.393	1.491	93.43	0.30	0.03
		5745	1.392	1.490	93.42	0.30	0.03
		5785	1.392	1.490	93.42	0.30	0.00
		5825	1.392	1.490	93.42	0.30	0.03
802.11n (HT20)	MIMO	5180	1.300	1.398	92.99	0.32	0.00
		5200	1.299	1.398	92.92	0.32	0.00
		5240	1.299	1.398	92.92	0.32	0.03
		5745	1.300	1.398	92.99	0.32	0.03
		5785	1.300	1.399	92.92	0.32	0.00
		5825	1.299	1.398	92.92	0.32	0.03
802.11n (HT40)	MIMO	5190	0.648	0.746	86.86	0.61	0.04
		5230	0.648	0.746	86.86	0.61	0.04
		5755	0.647	0.746	86.73	0.62	0.04
		5795	0.647	0.745	86.85	0.61	0.04
802.11ac (VHT20)	MIMO	5180	1.312	1.410	93.05	0.31	0.03
		5200	1.311	1.410	92.98	0.32	0.03
		5240	1.312	1.410	93.05	0.31	0.00
		5745	1.312	1.410	93.05	0.31	0.00
		5785	1.312	1.410	93.05	0.31	0.03
		5825	1.311	1.410	92.98	0.32	0.00
802.11ac (VHT40)	MIMO	5190	0.652	0.750	86.93	0.61	0.03
		5230	0.652	0.750	86.93	0.61	0.03
		5755	0.652	0.750	86.93	0.61	0.04
		5795	0.652	0.750	86.93	0.61	0.04
802.11ac (VHT80)	MIMO	5210	0.324	0.422	76.78	1.15	0.12
		5775	0.324	0.423	76.60	1.16	0.06



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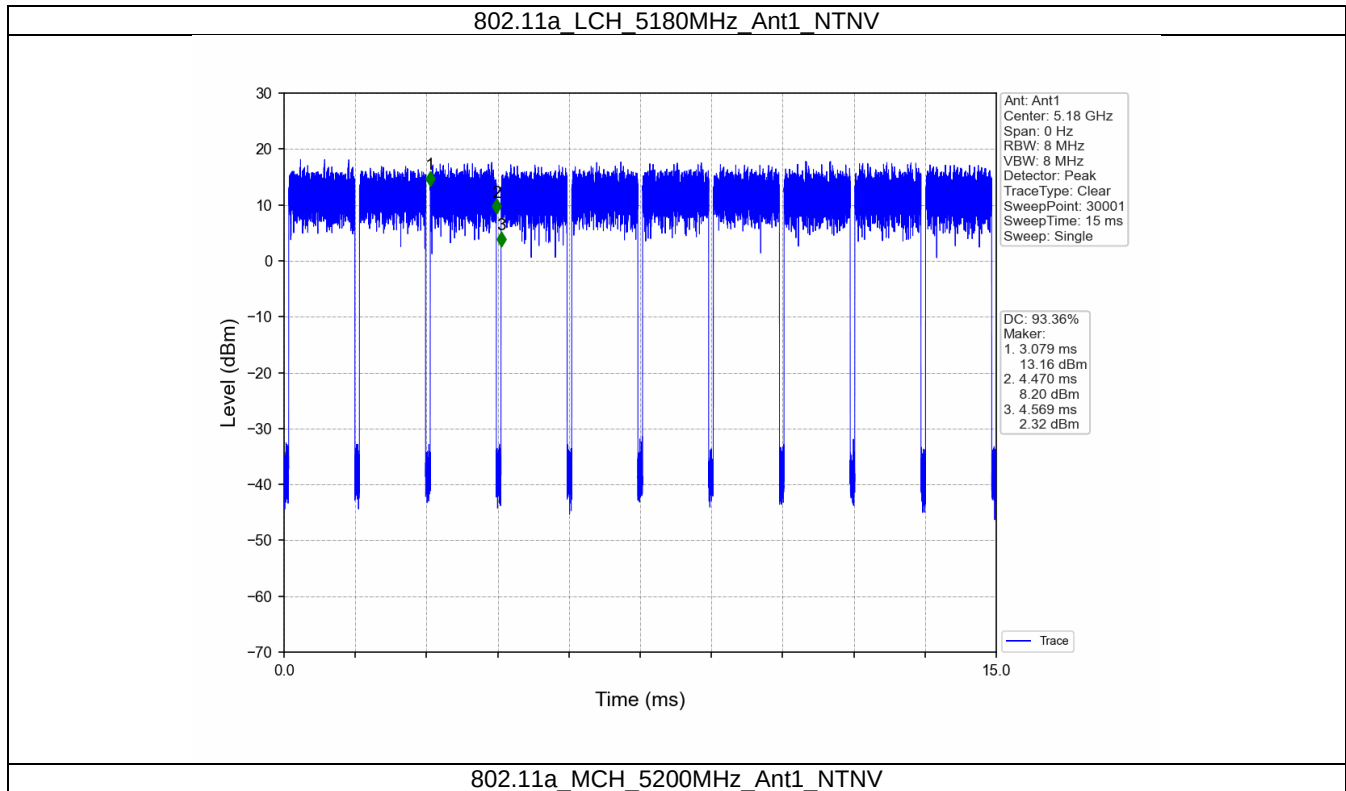
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1.1.2 Test Graph



Compliance Certification Services (Kunshan) Inc.
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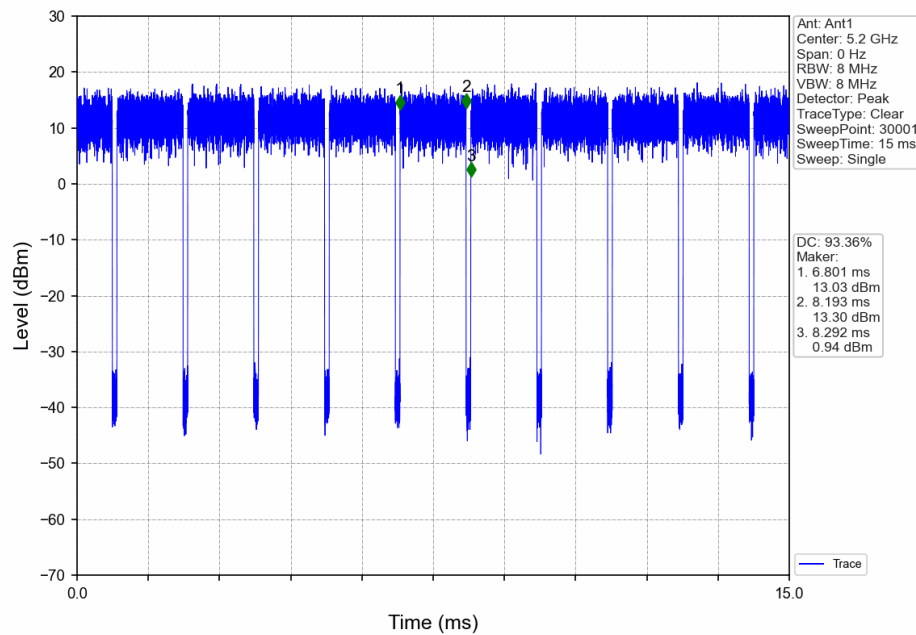
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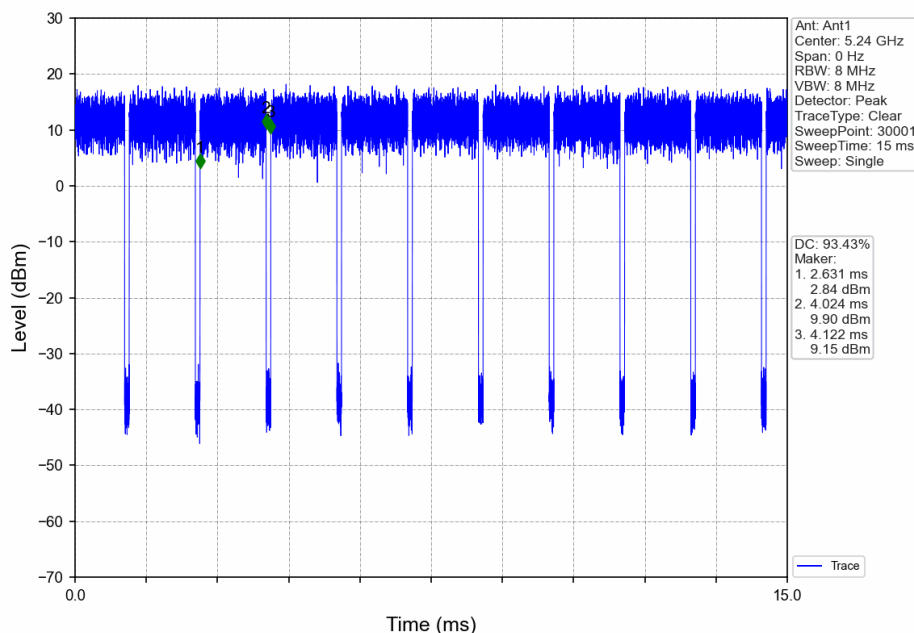
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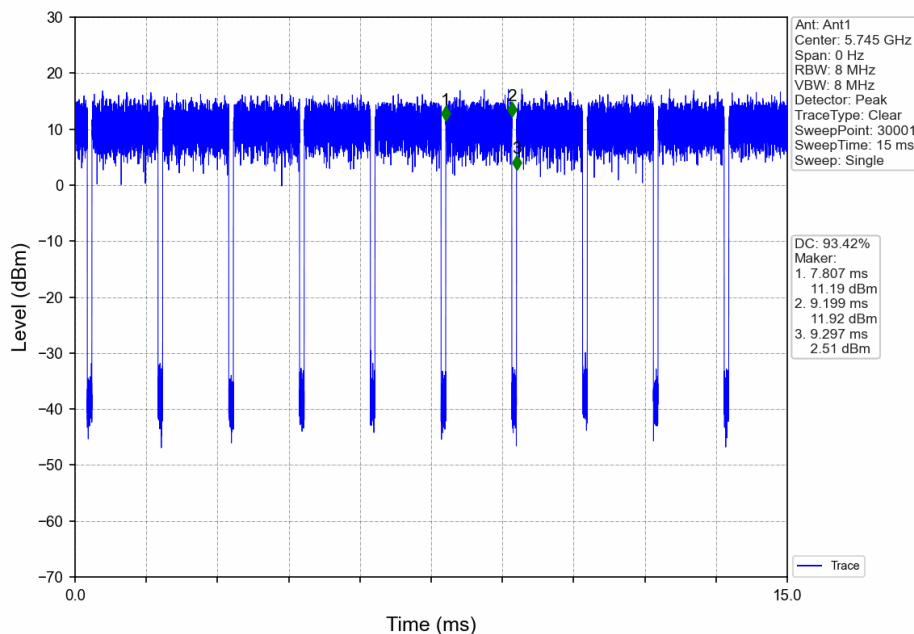
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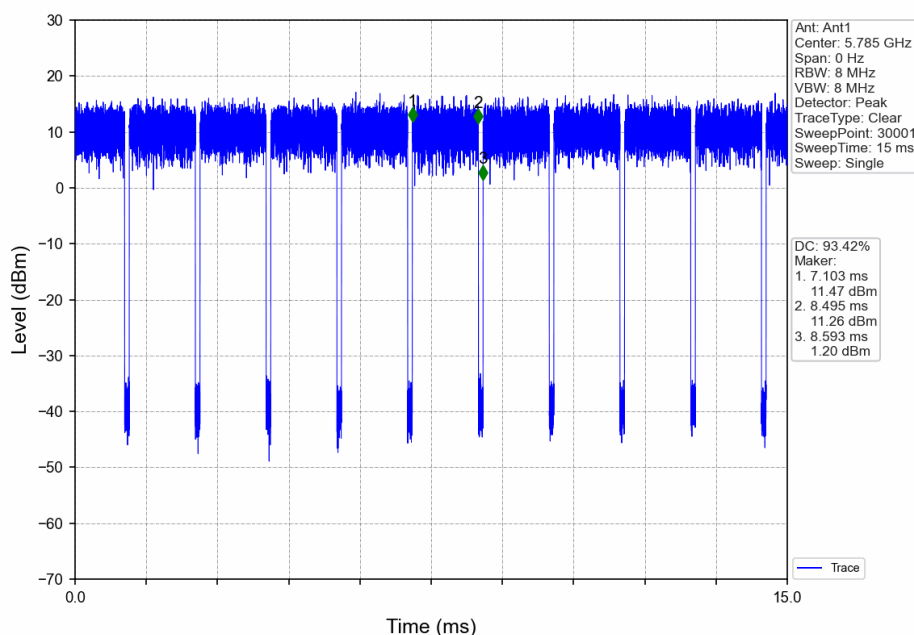
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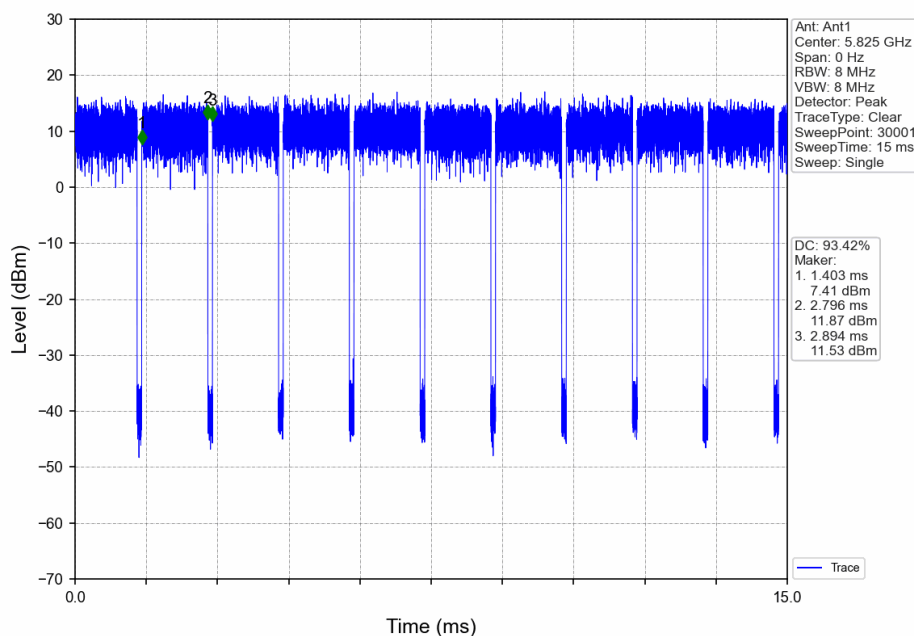
802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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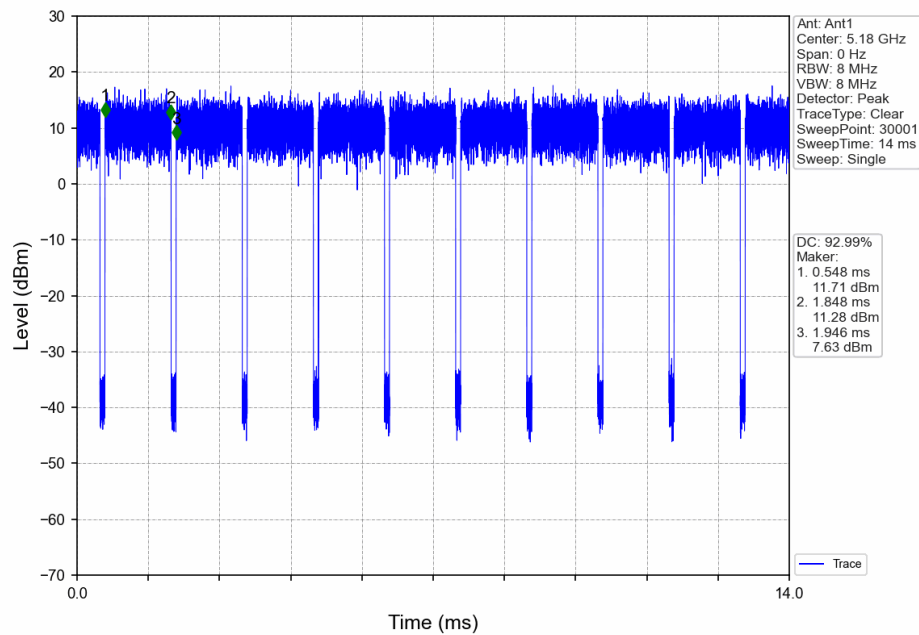
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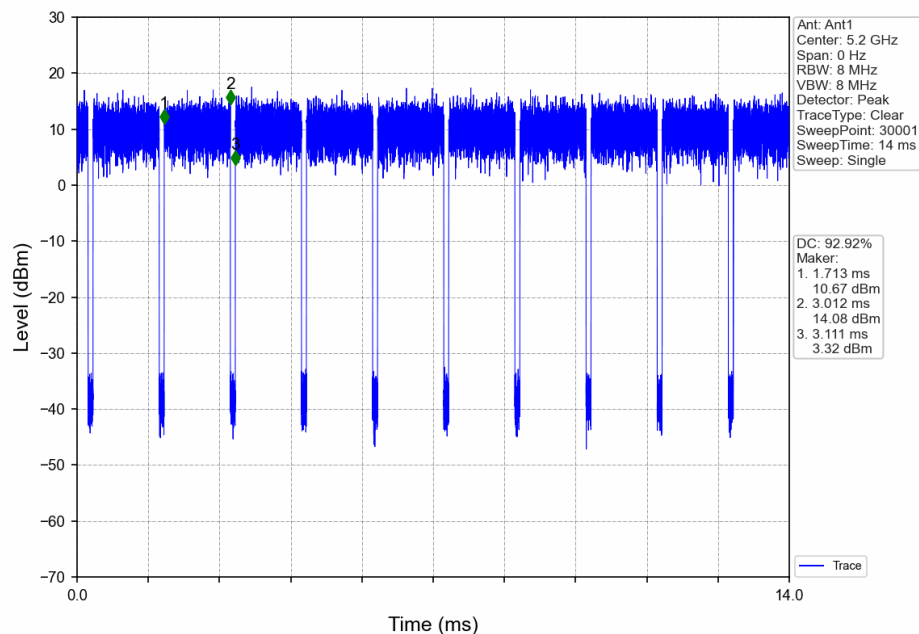
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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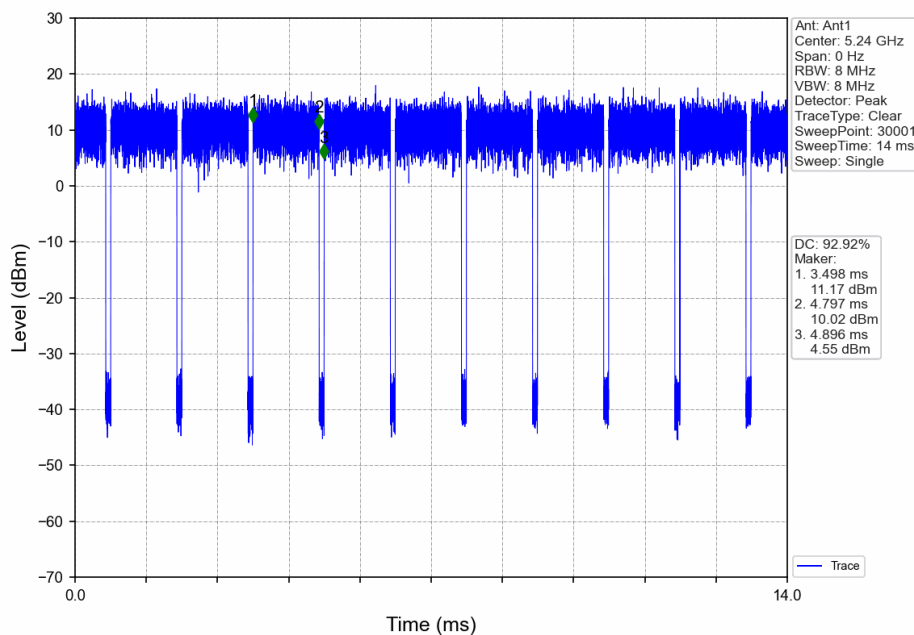
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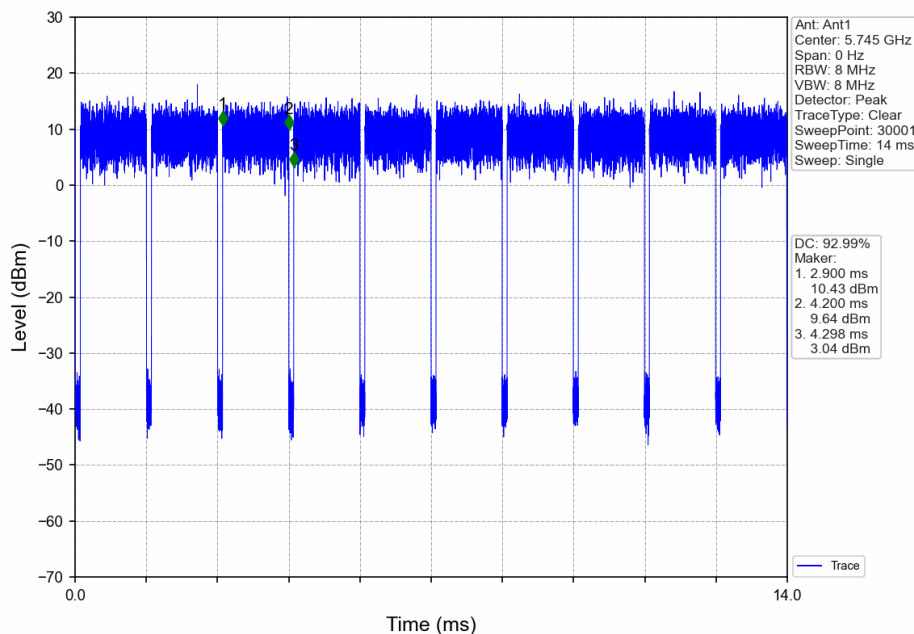
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



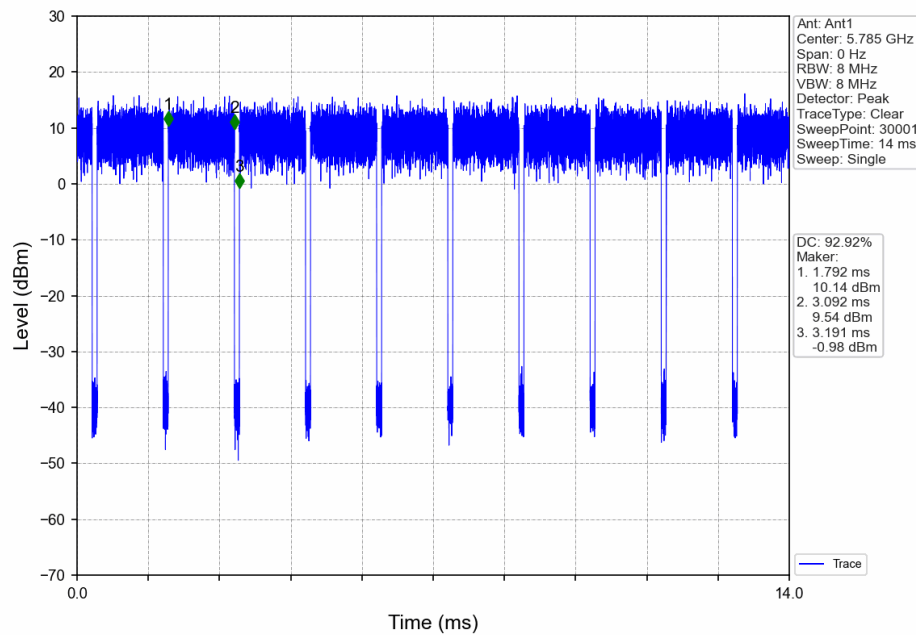
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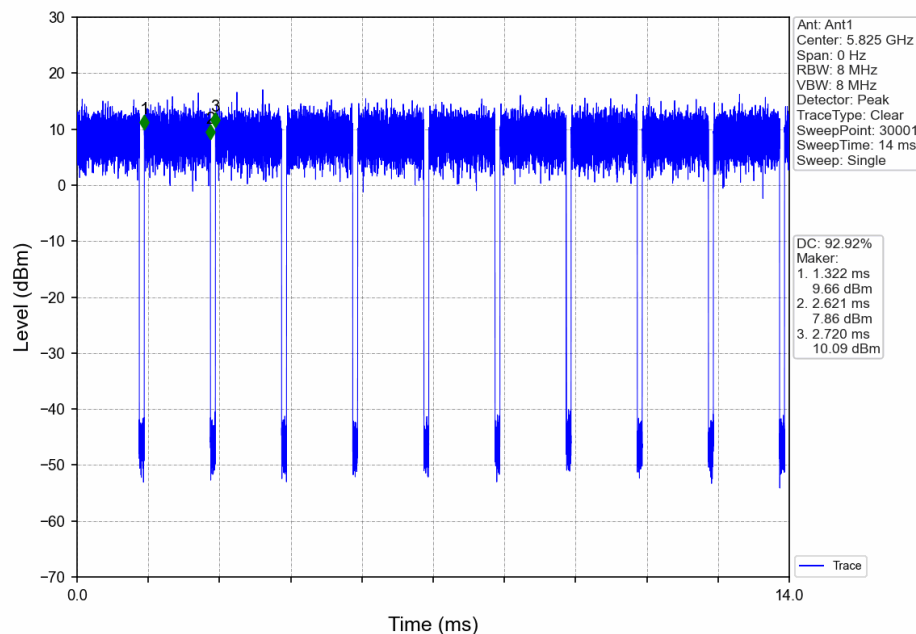
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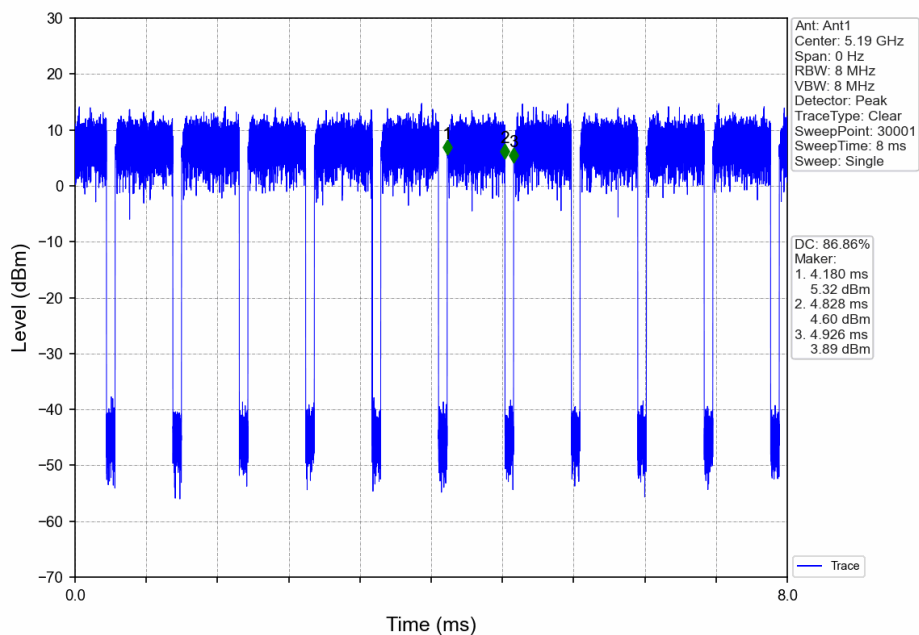
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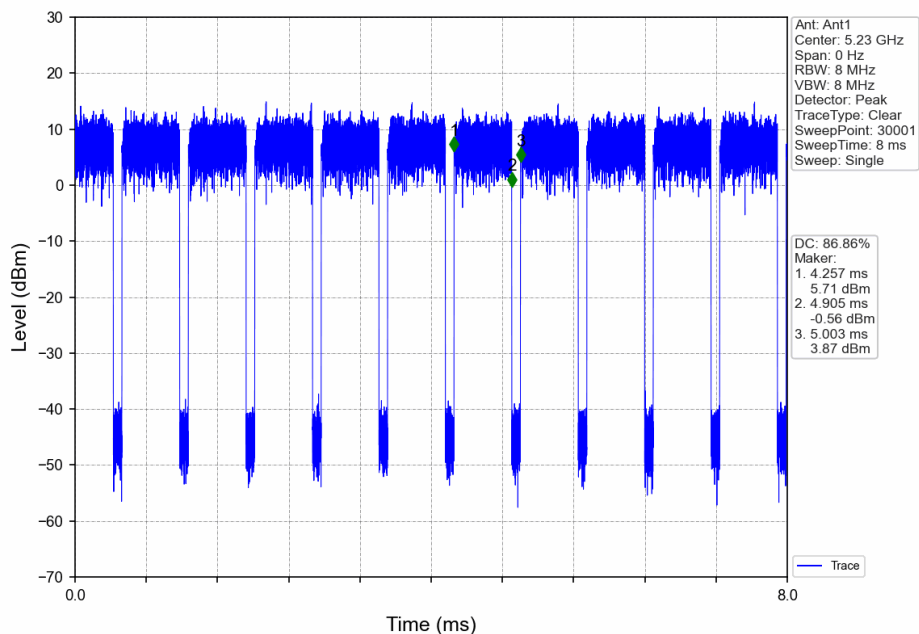
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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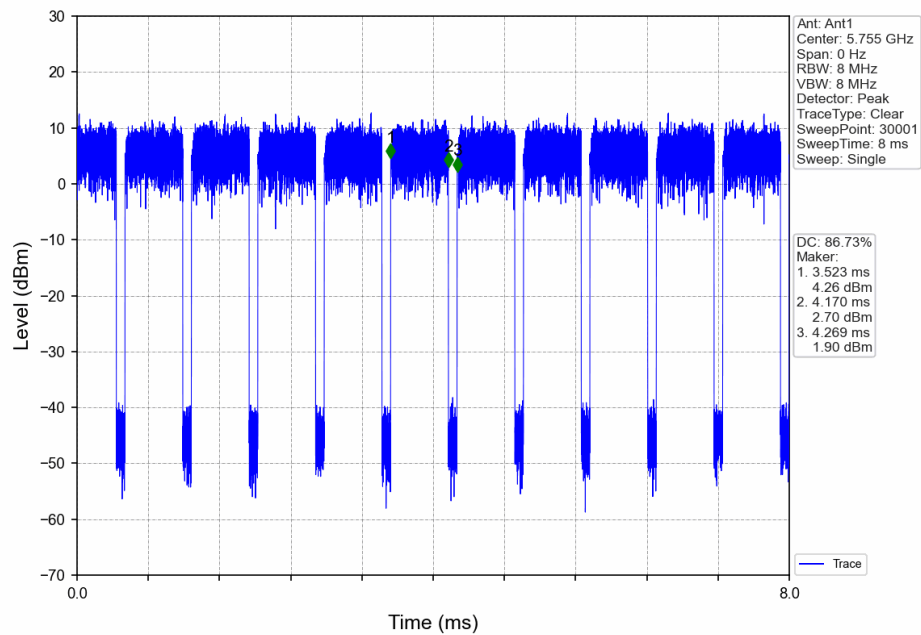
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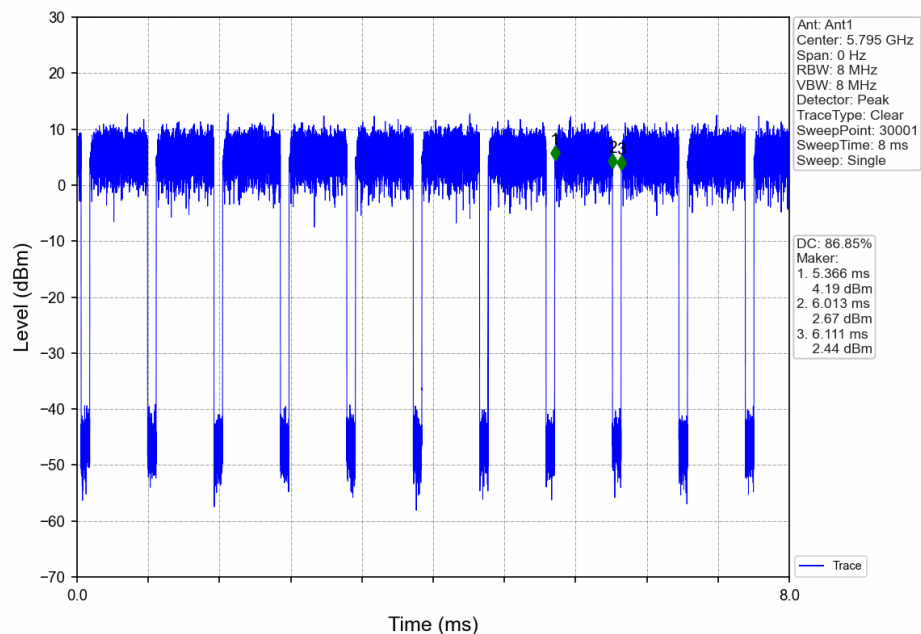
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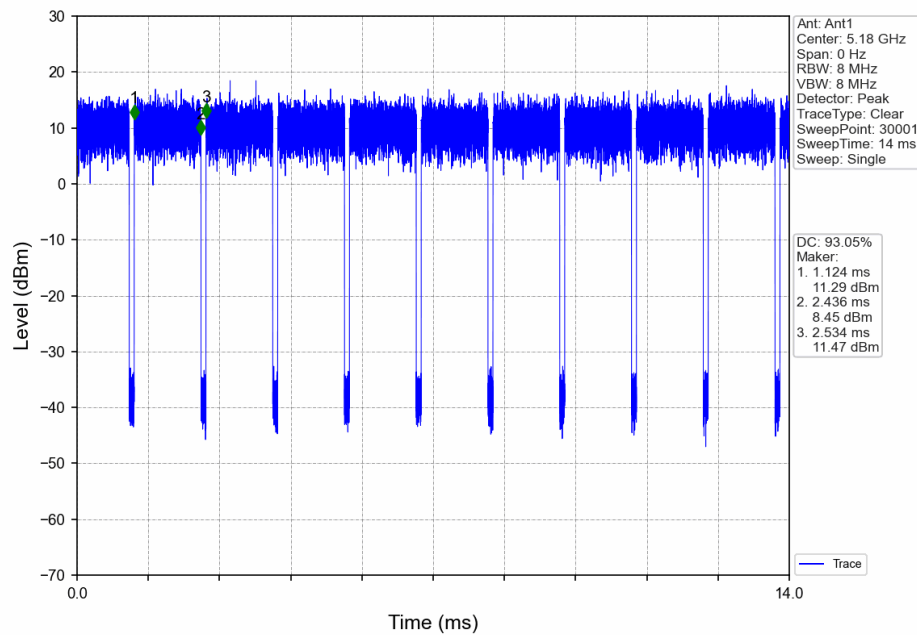
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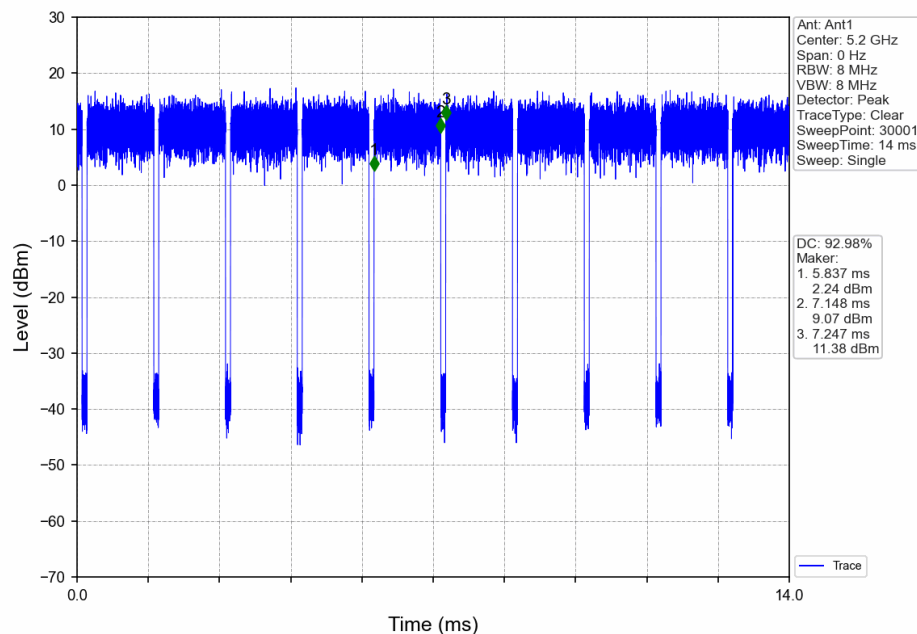
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



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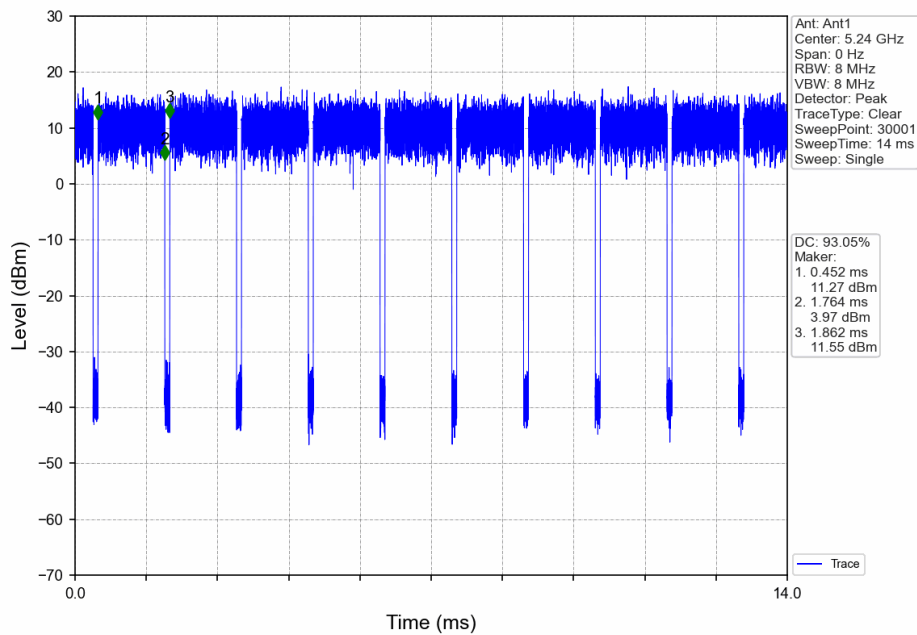
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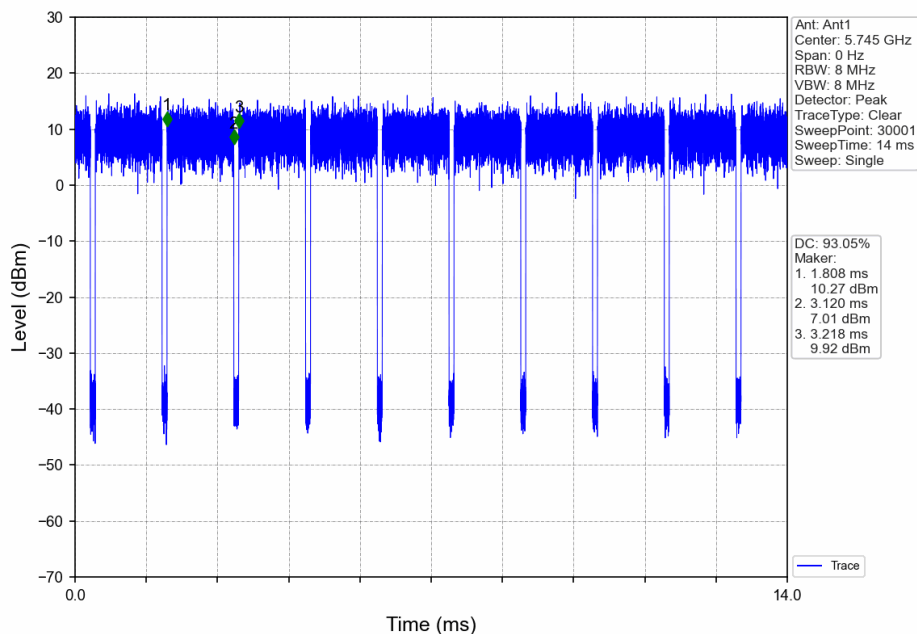
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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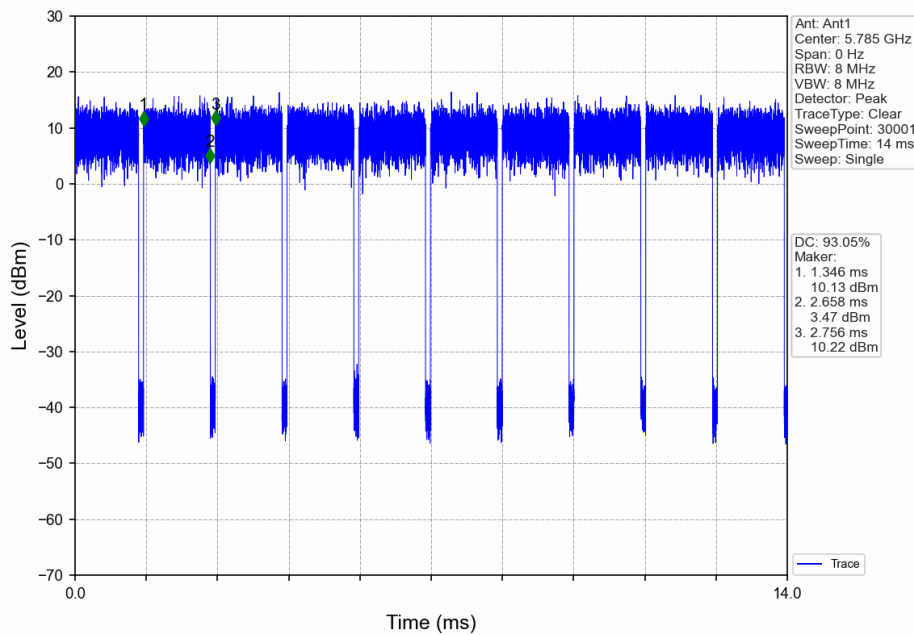
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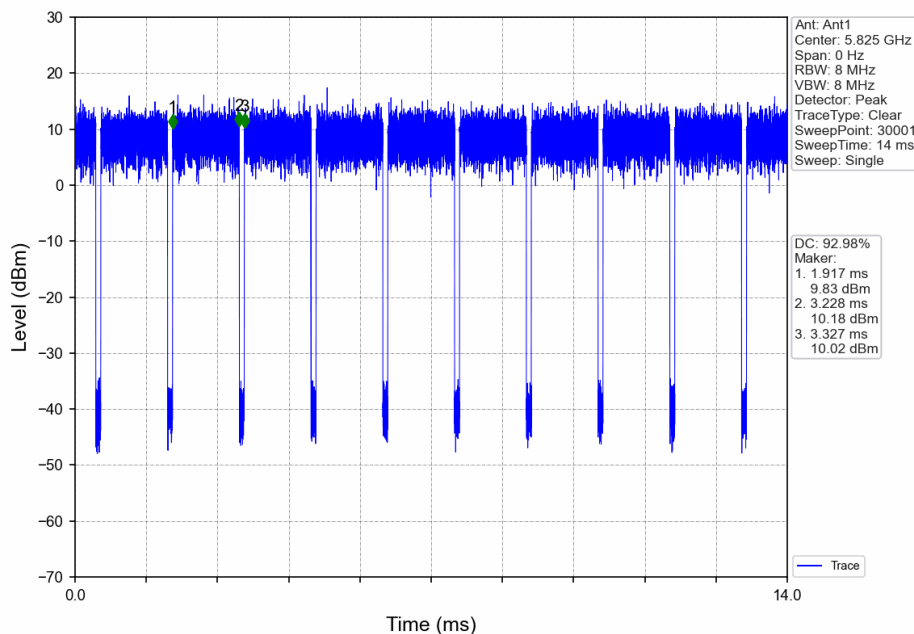
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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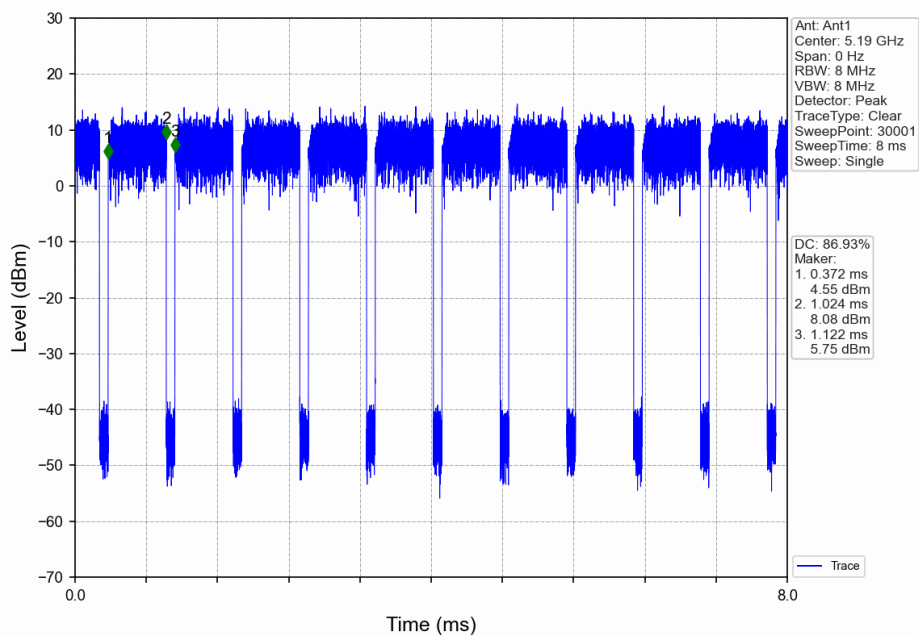
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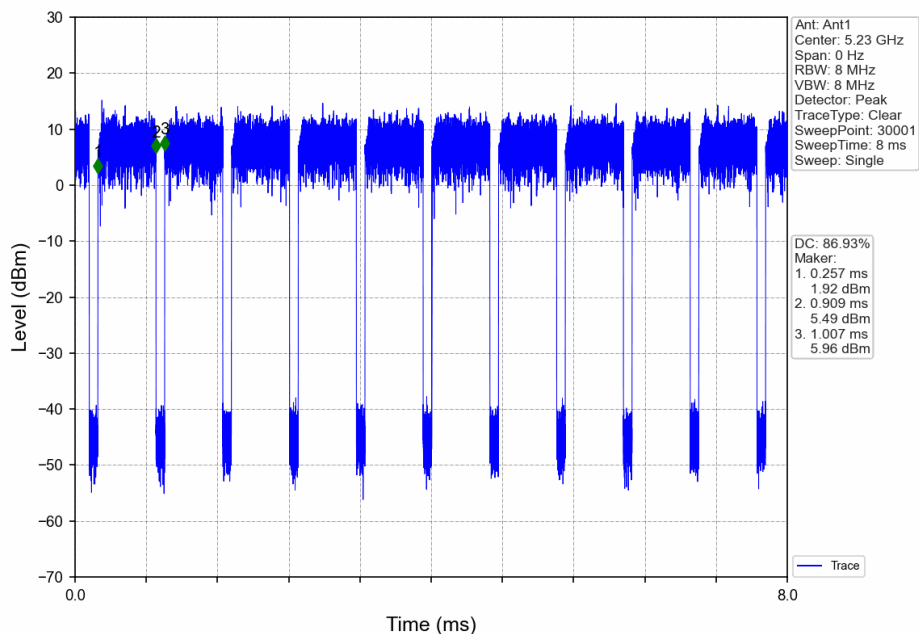
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



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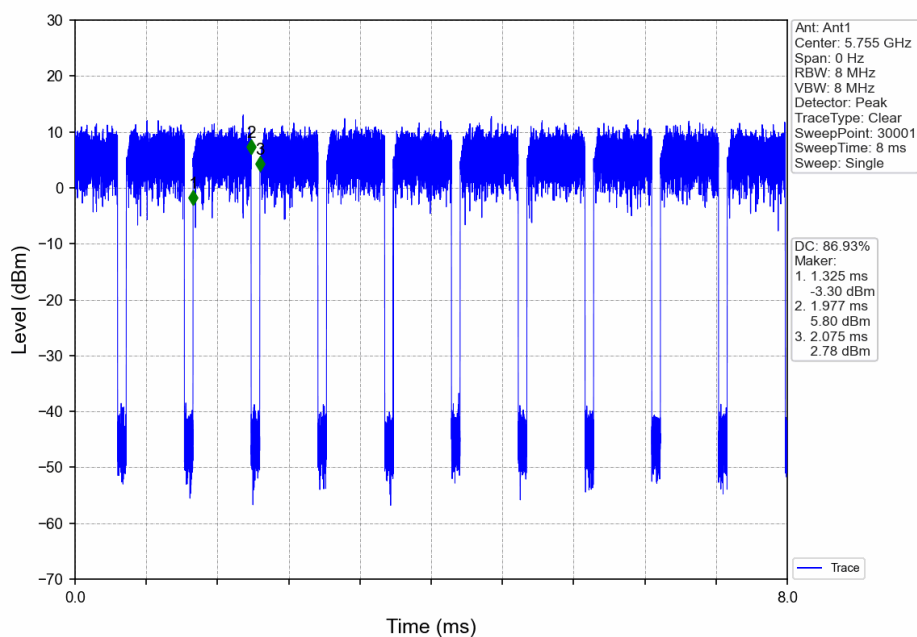
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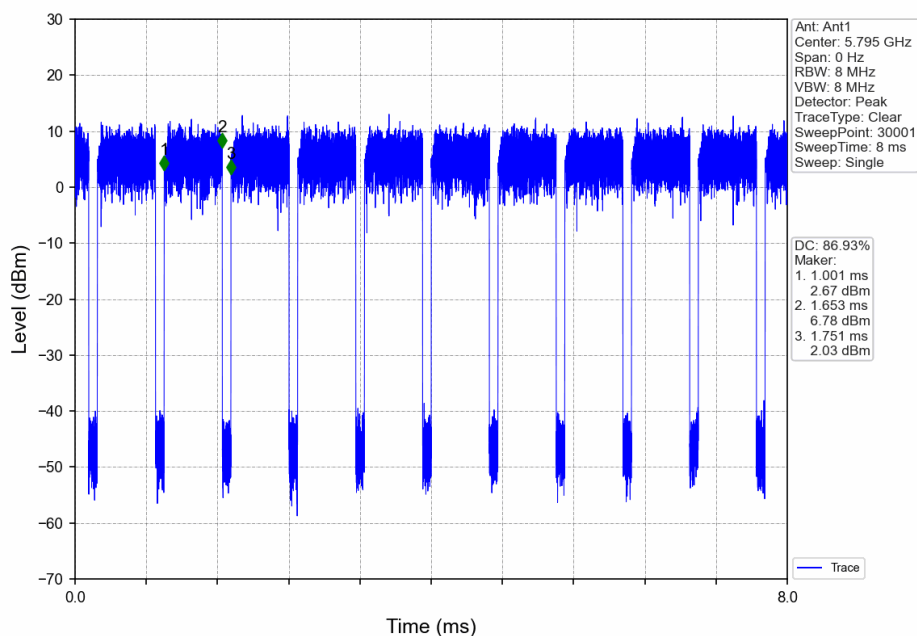
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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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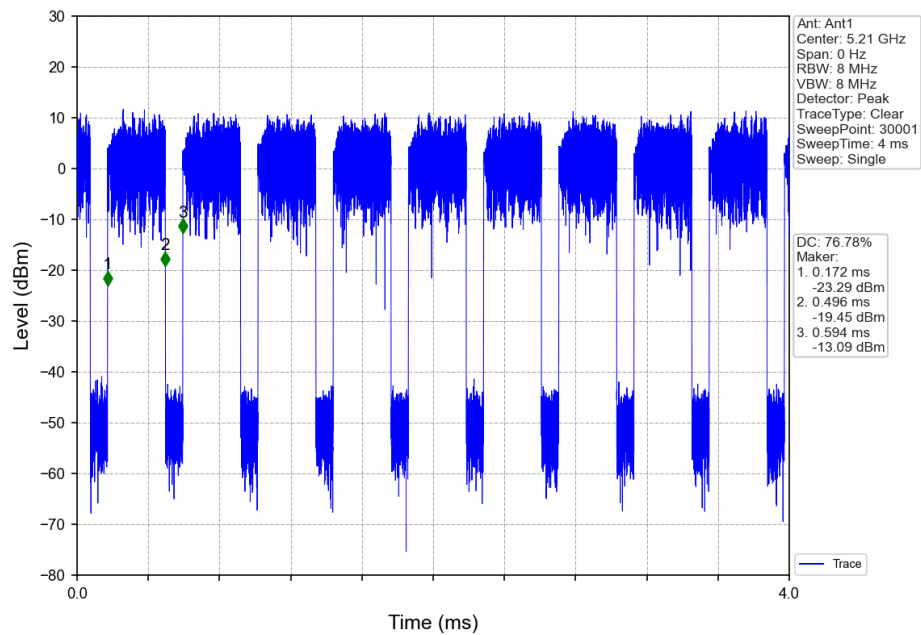
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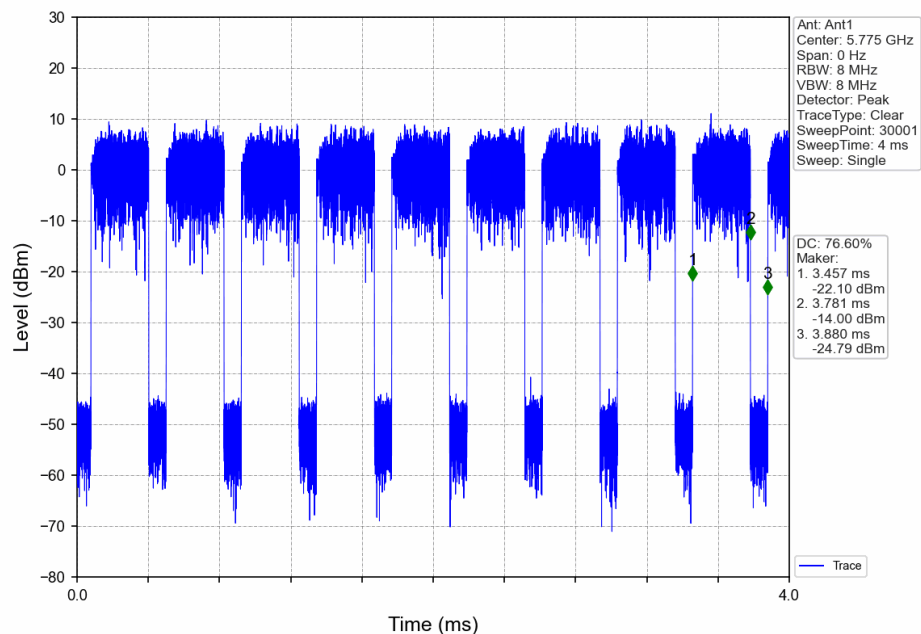
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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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	17.271	Pass
			2	17.279	Pass
		5200	1	17.291	Pass
			2	17.276	Pass
		5240	1	17.218	Pass
			2	17.323	Pass
		5745	1	17.270	Pass
			2	17.189	Pass
		5785	1	17.254	Pass
			2	17.236	Pass
		5825	1	17.204	Pass
			2	17.357	Pass
802.11n (HT20)	MIMO	5180	1	18.086	Pass
			2	18.065	Pass
		5200	1	18.100	Pass
			2	18.088	Pass
		5240	1	18.090	Pass
			2	18.100	Pass
		5745	1	18.085	Pass
			2	18.103	Pass
		5785	1	18.109	Pass
			2	18.109	Pass
		5825	1	18.098	Pass
			2	18.097	Pass
802.11n (HT40)	MIMO	5190	1	36.517	Pass
			2	36.381	Pass
		5230	1	36.590	Pass
			2	36.446	Pass
		5755	1	36.504	Pass
			2	36.485	Pass
		5795	1	36.479	Pass
			2	36.542	Pass
802.11ac (VHT20)	MIMO	5180	1	17.992	Pass
			2	17.999	Pass
		5200	1	18.038	Pass
			2	18.007	Pass
		5240	1	17.957	Pass
			2	17.994	Pass
		5745	1	18.066	Pass
			2	18.057	Pass
		5785	1	18.030	Pass
			2	18.058	Pass
		5825	1	18.057	Pass
			2	18.057	Pass



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			2	18.007	Pass
802.11ac (VHT40)	MIMO	5190	1	36.450	Pass
			2	36.351	Pass
		5230	1	36.449	Pass
			2	36.351	Pass
		5755	1	36.357	Pass
			2	36.438	Pass
		5795	1	36.381	Pass
			2	36.421	Pass
802.11ac (VHT80)	MIMO	5210	1	76.424	Pass
			2	76.389	Pass
		5775	1	76.315	Pass
			2	76.293	Pass



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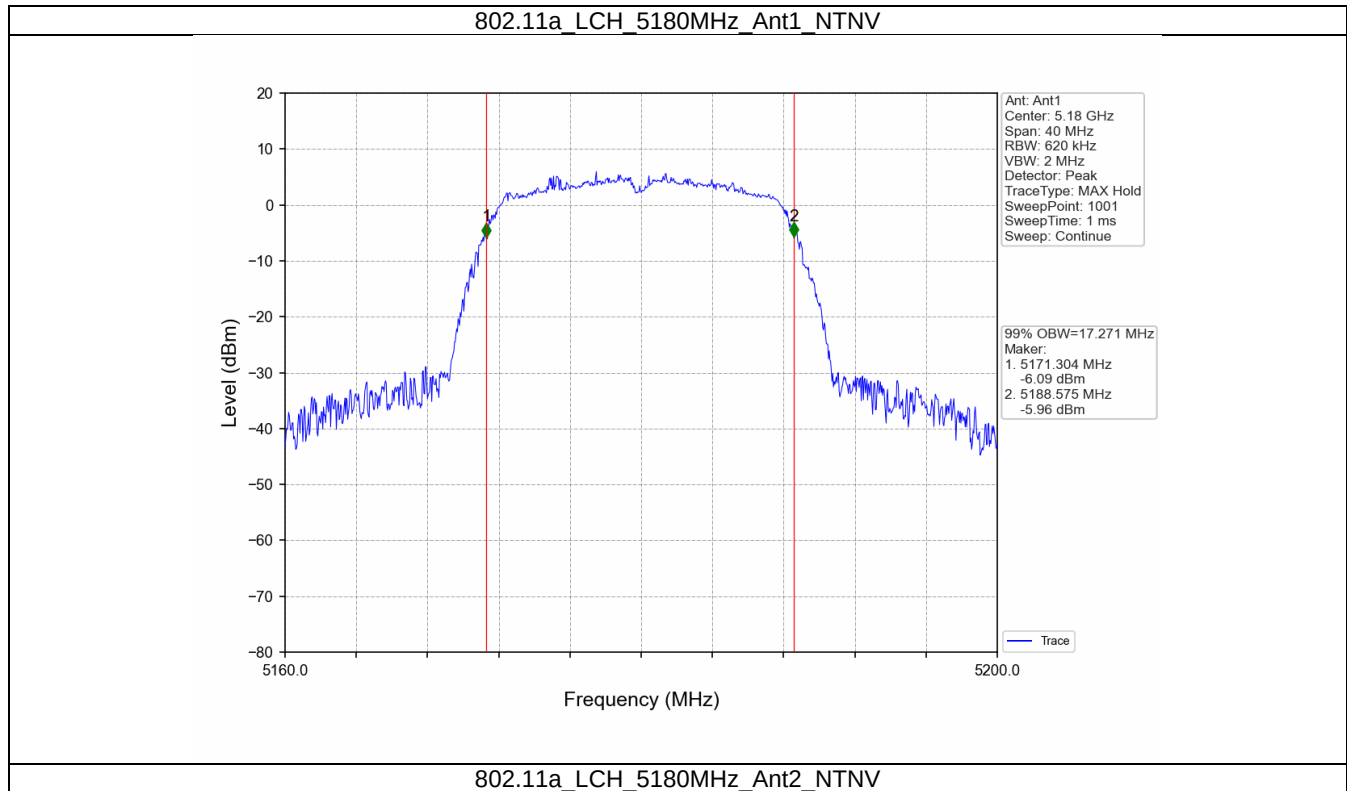
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2.1.2 Test Graph



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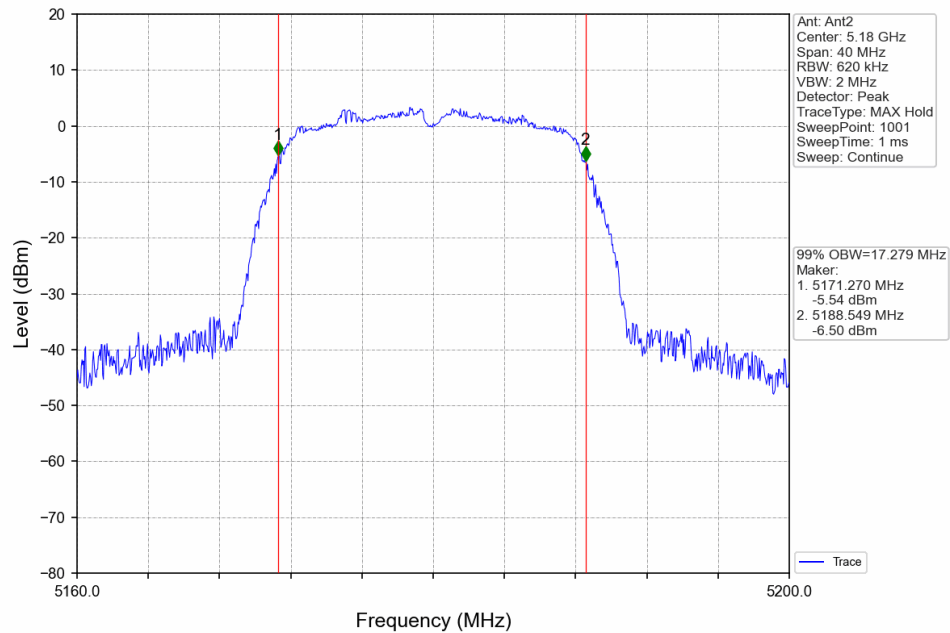
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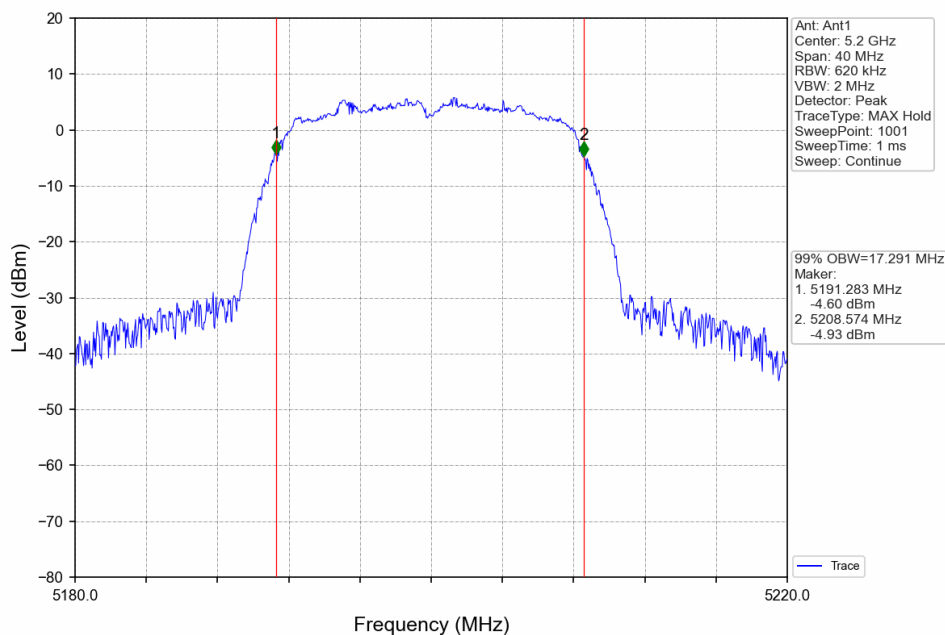
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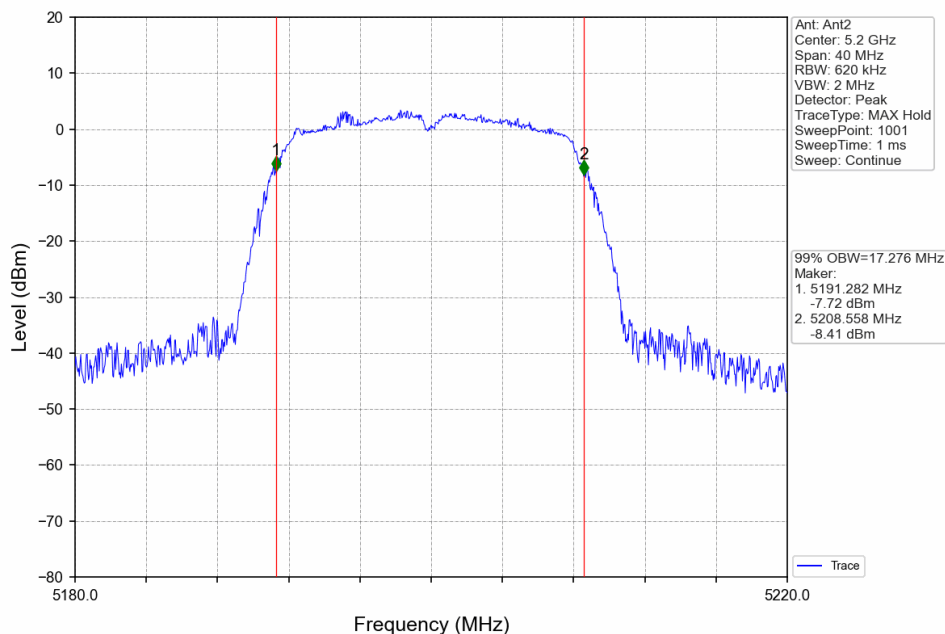
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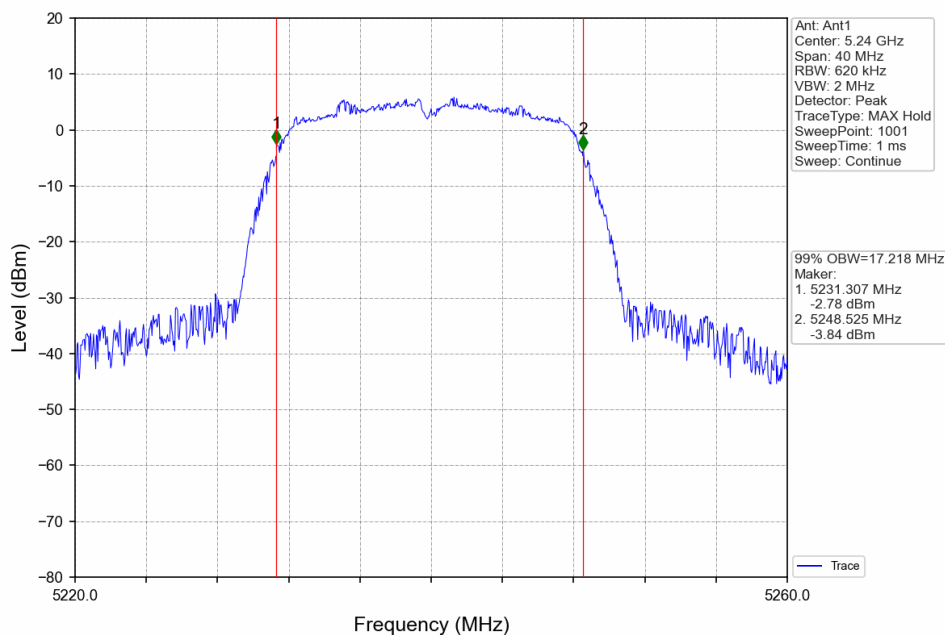
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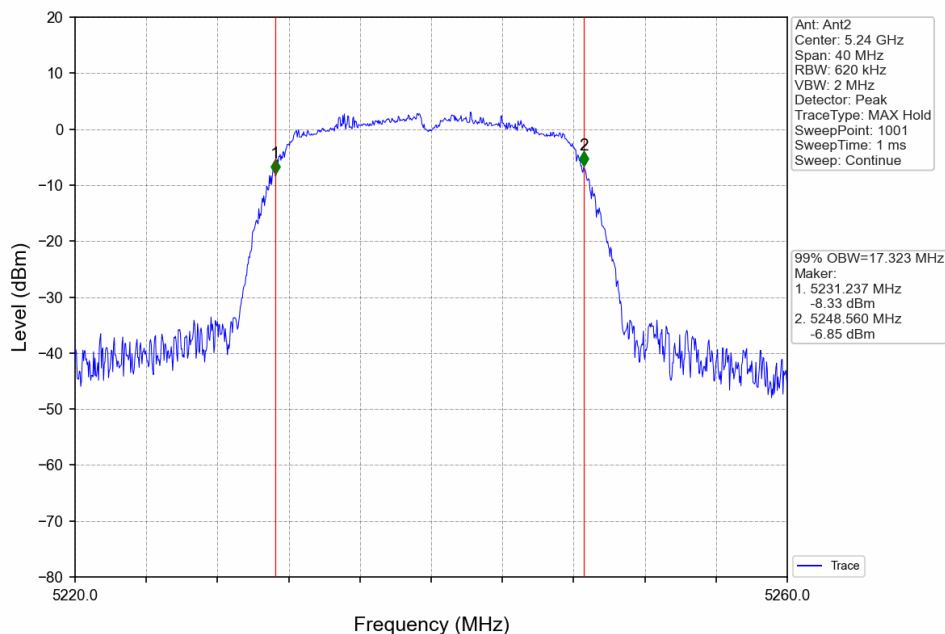
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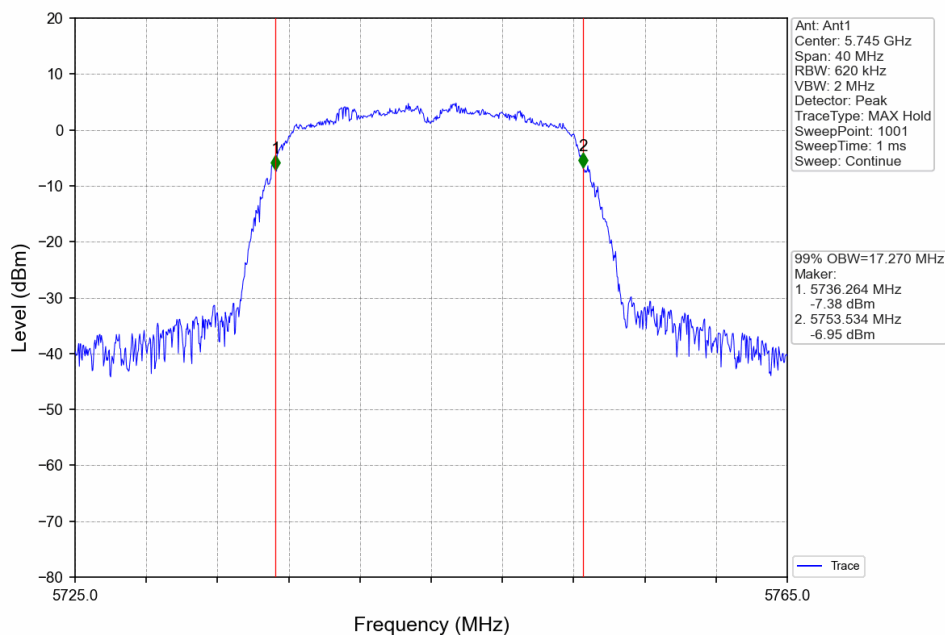
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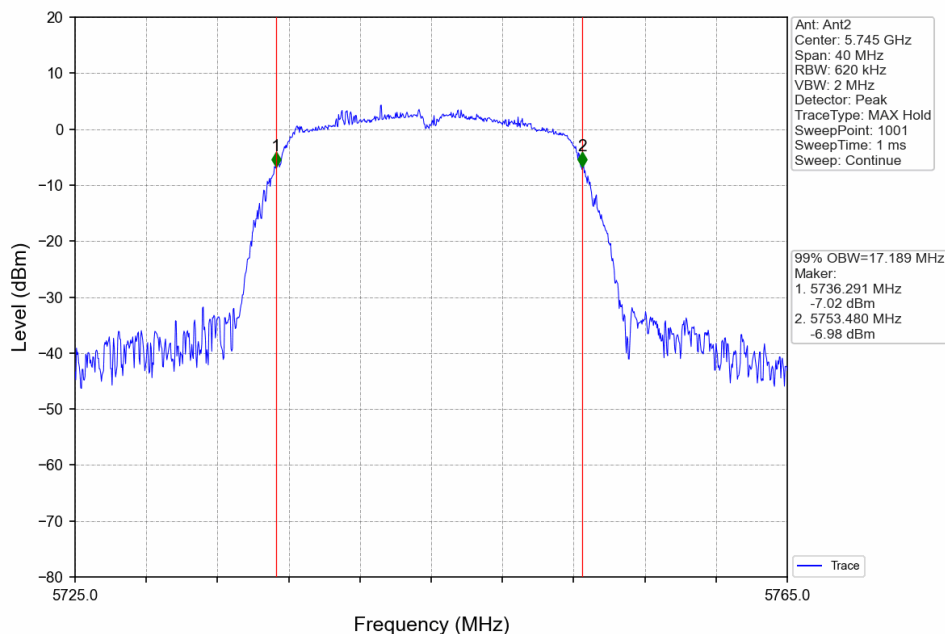
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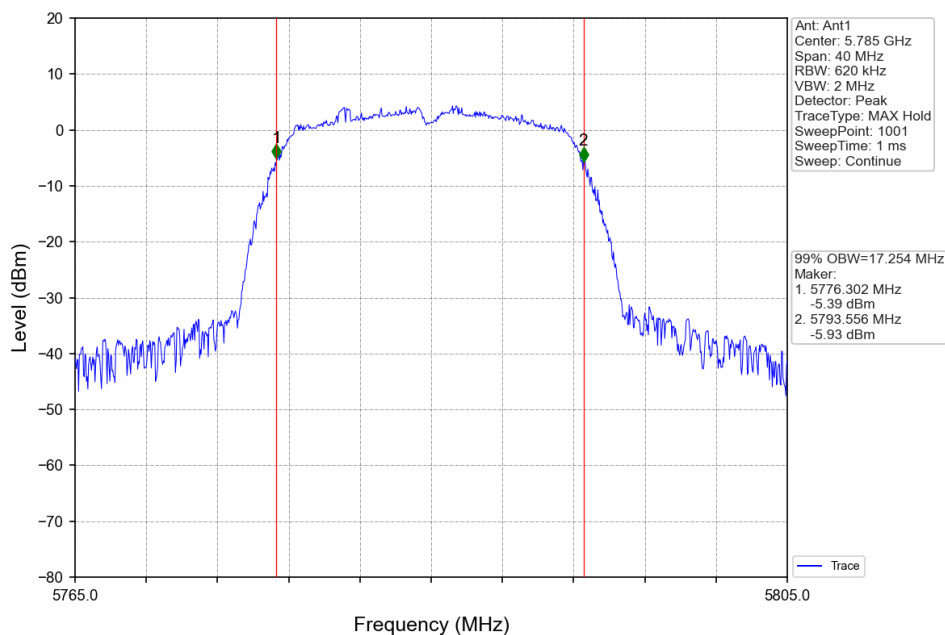
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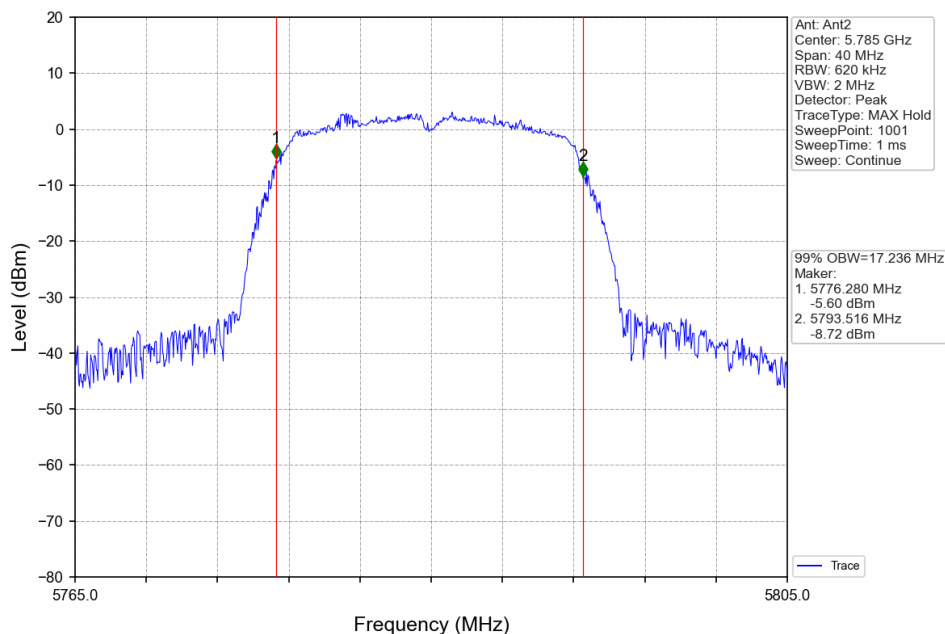
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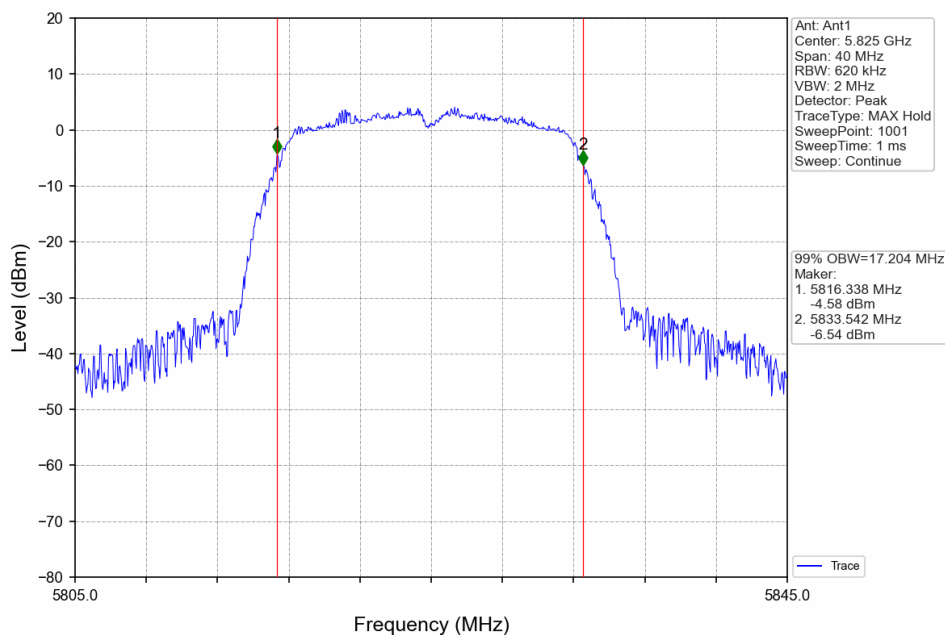
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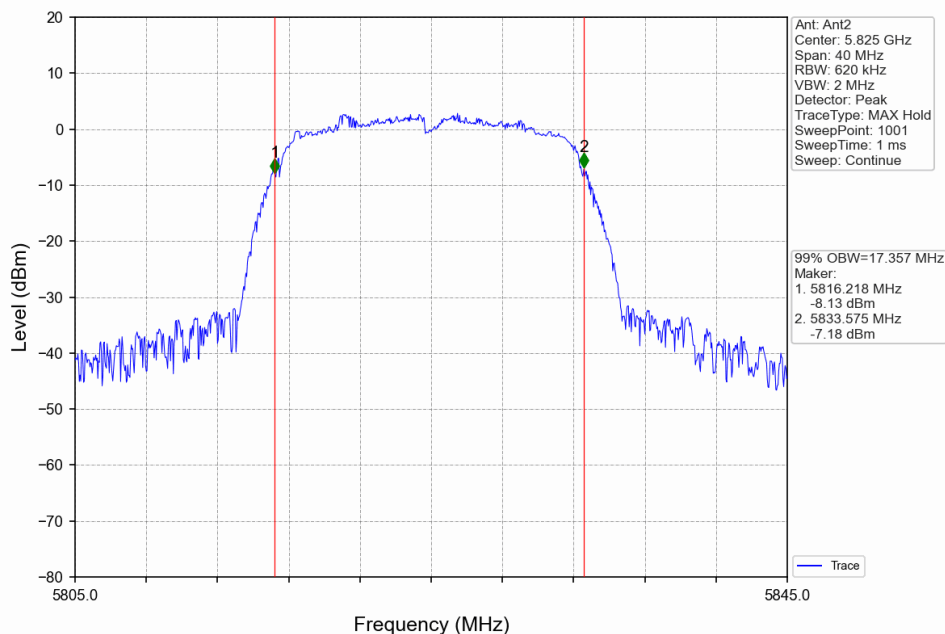
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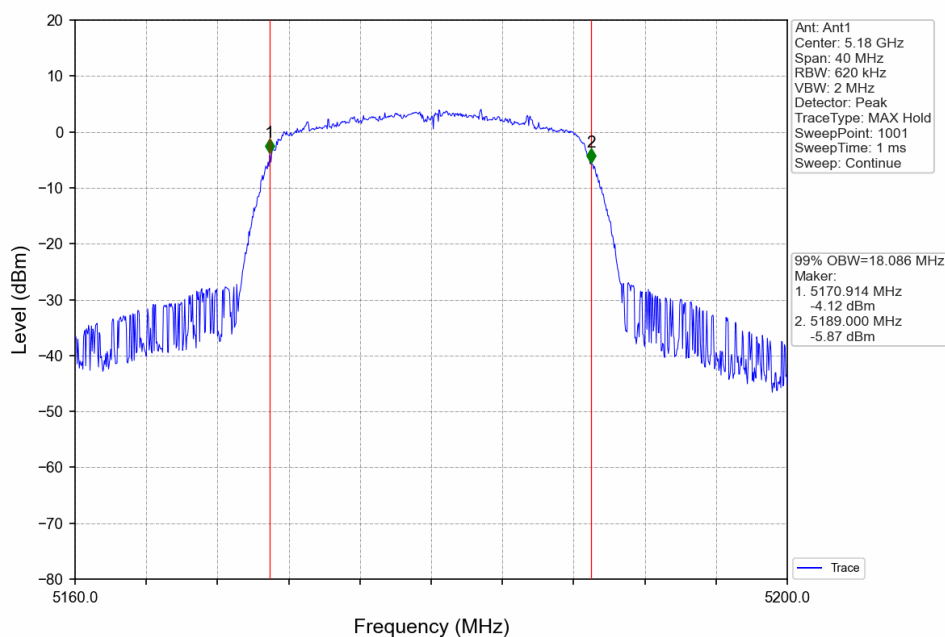
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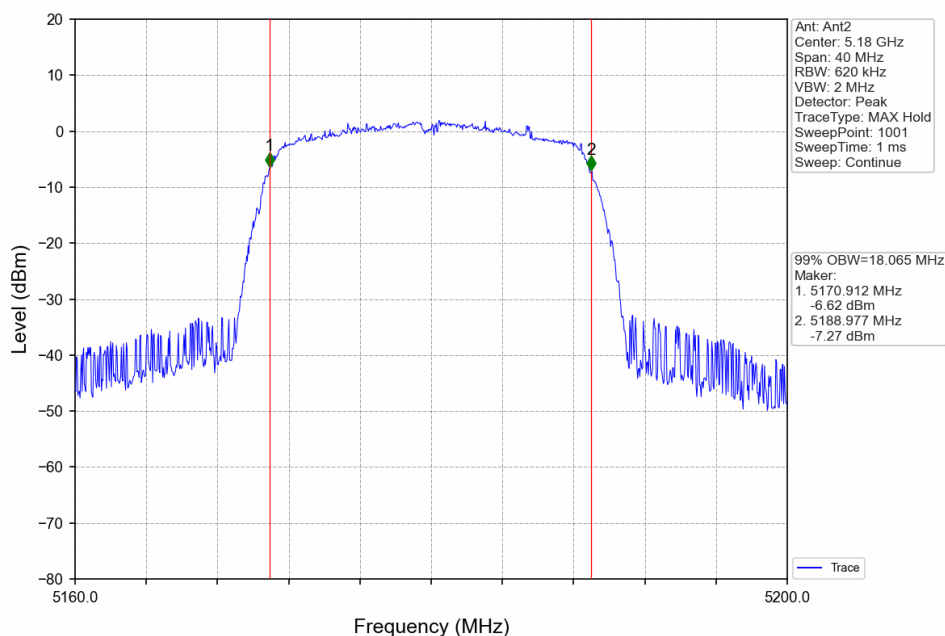
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



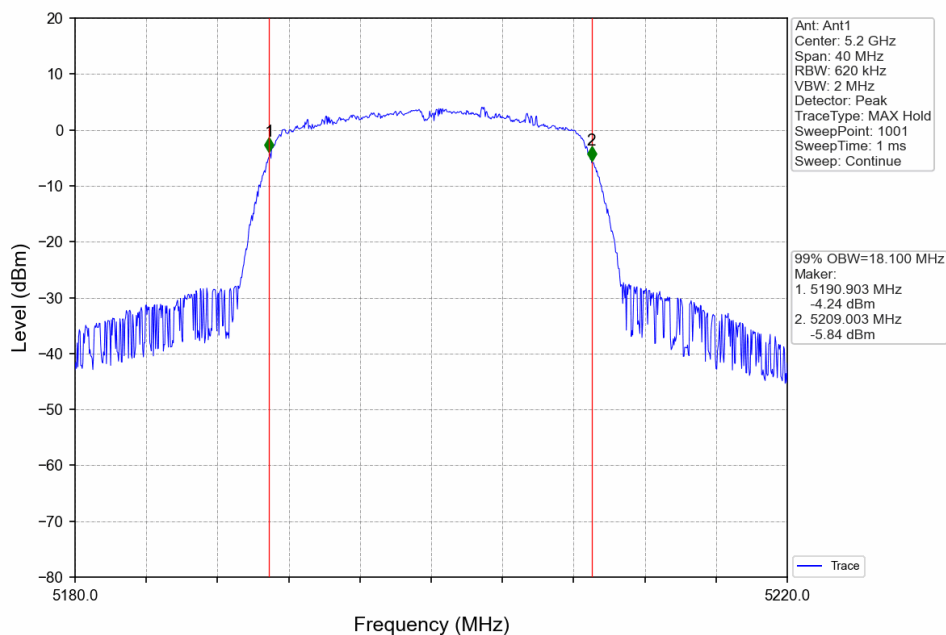
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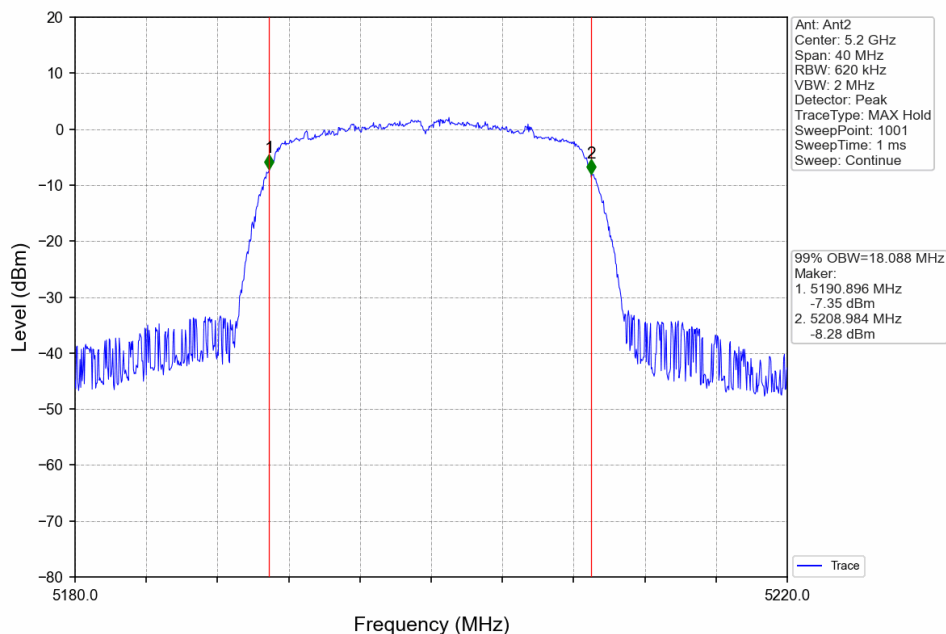
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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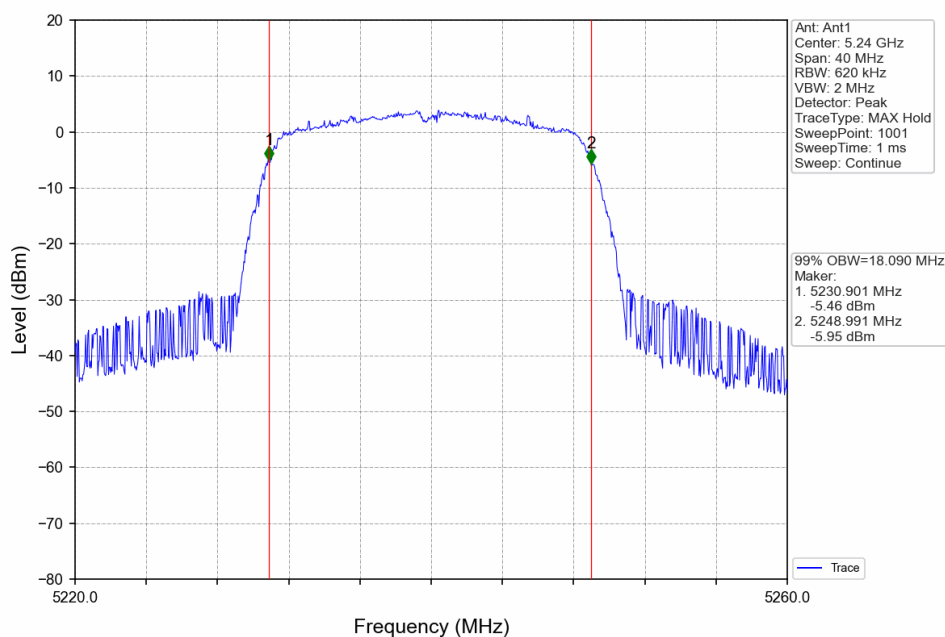
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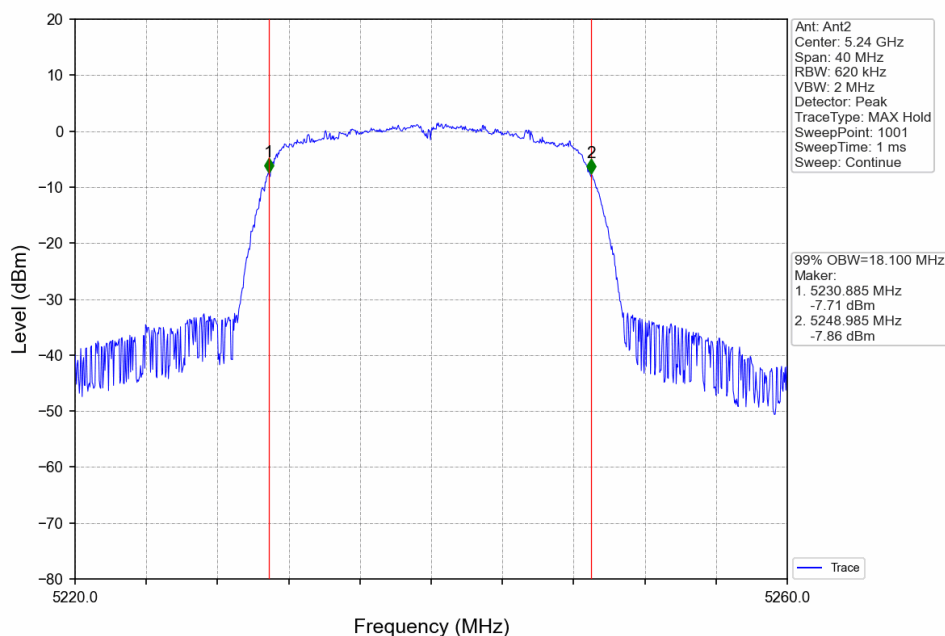
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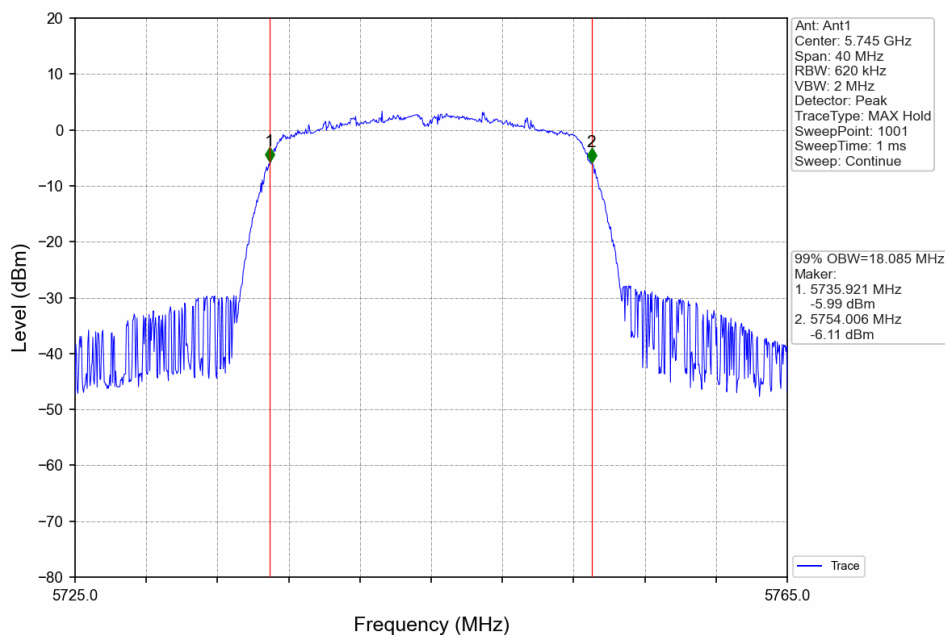
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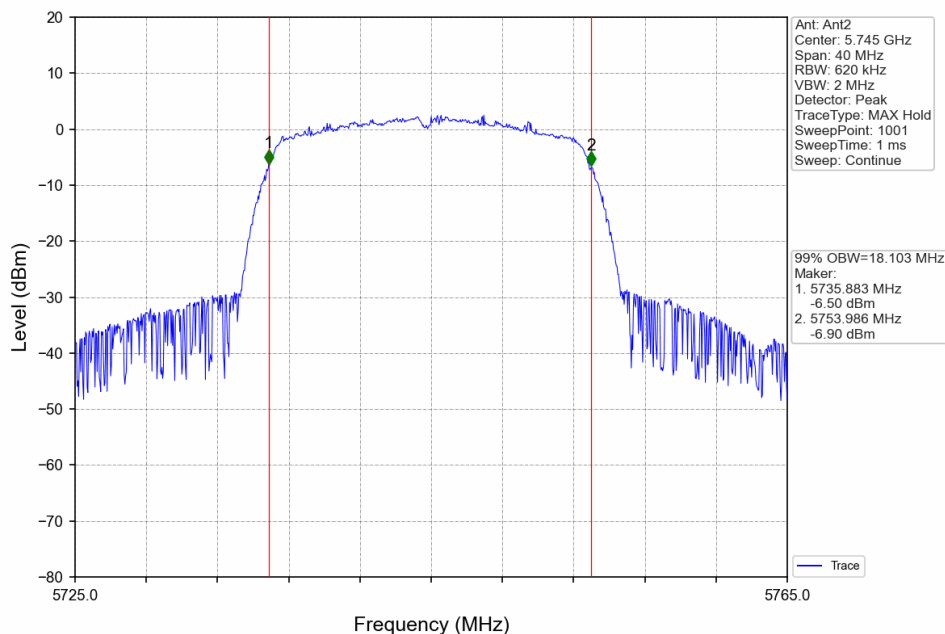
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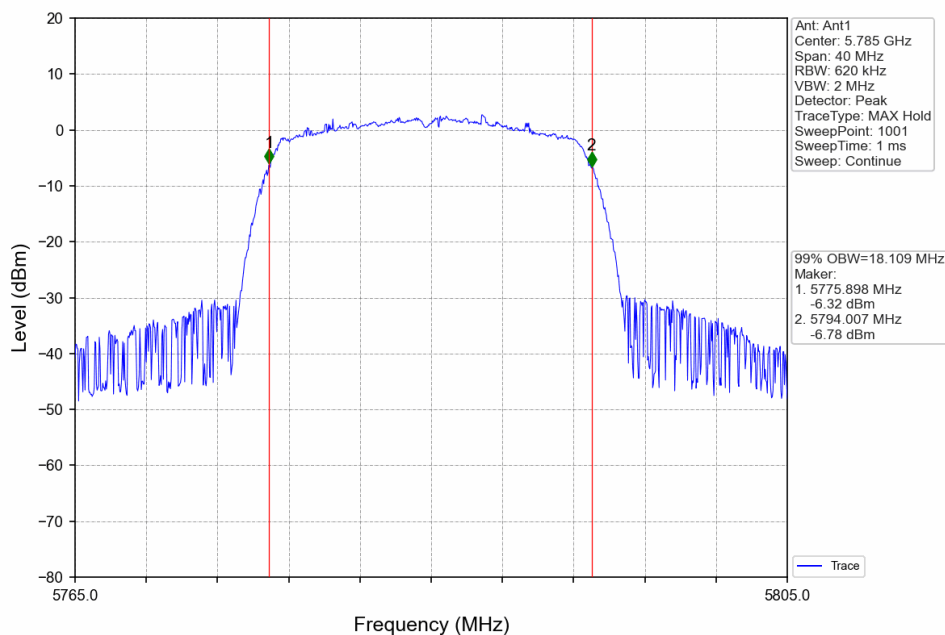
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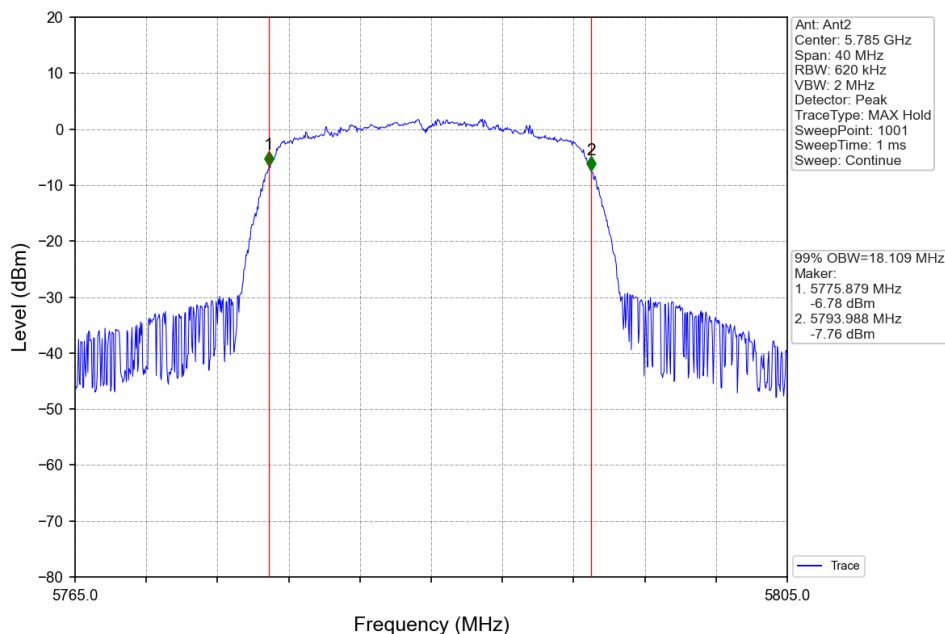
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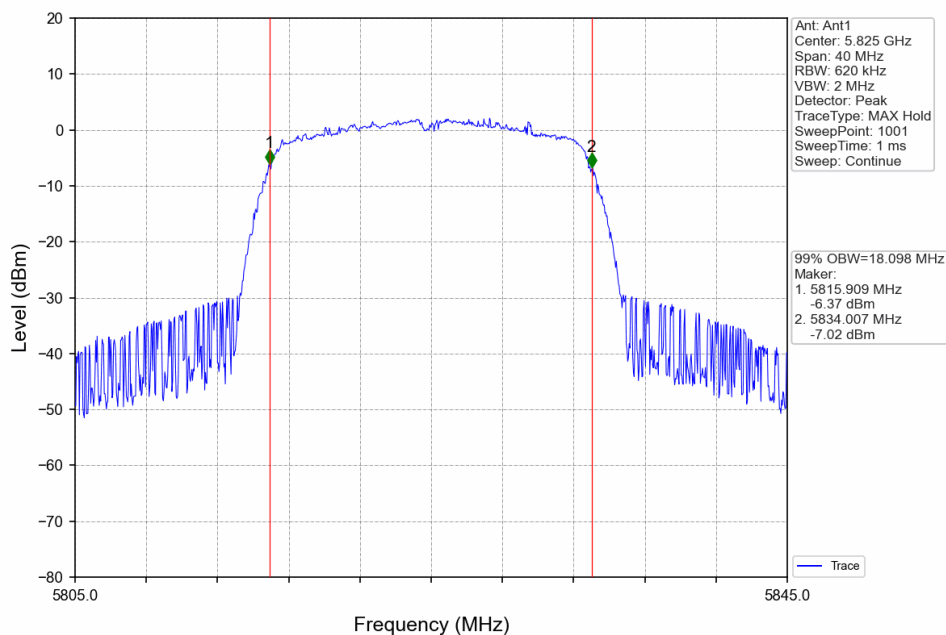
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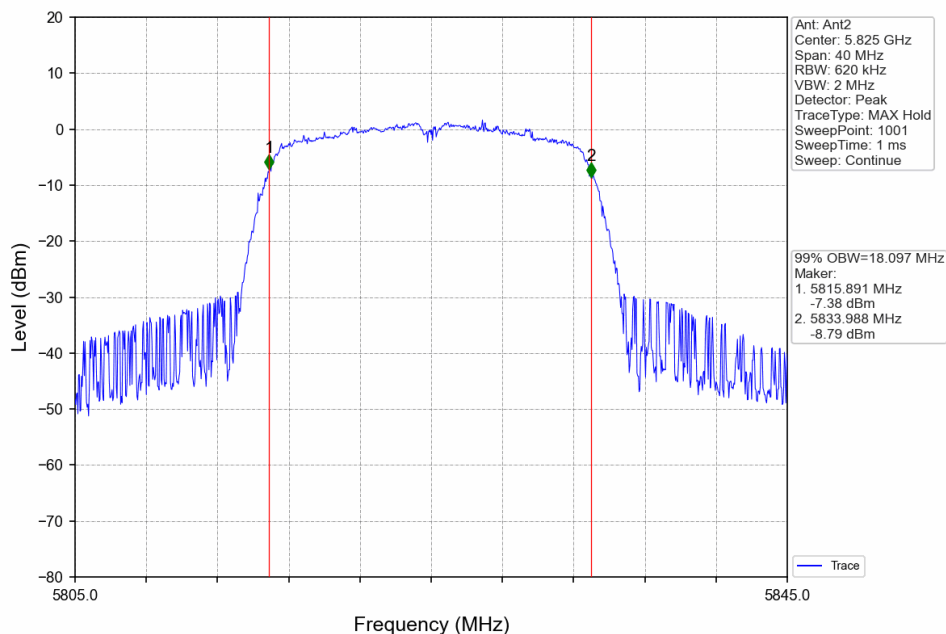
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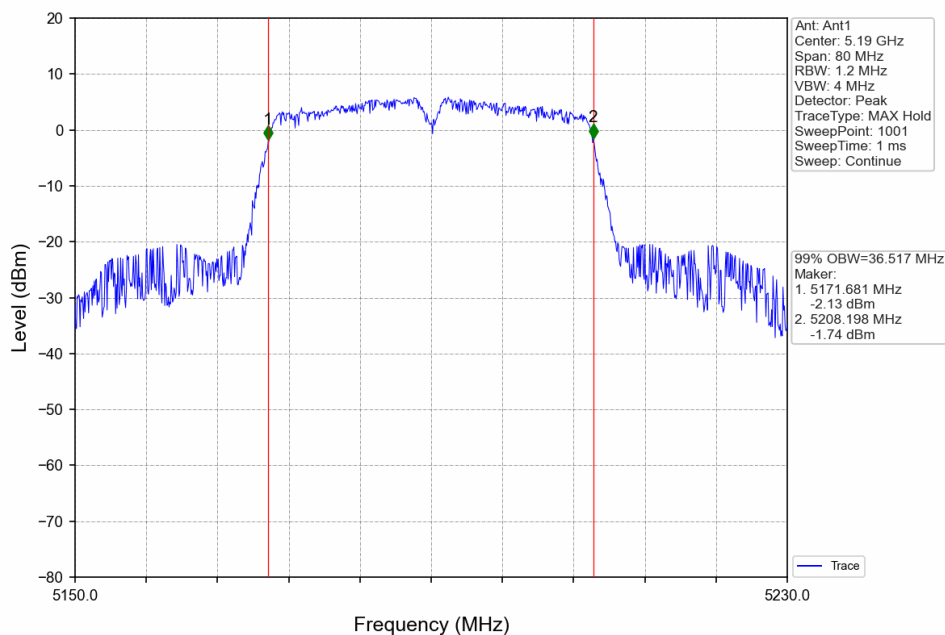
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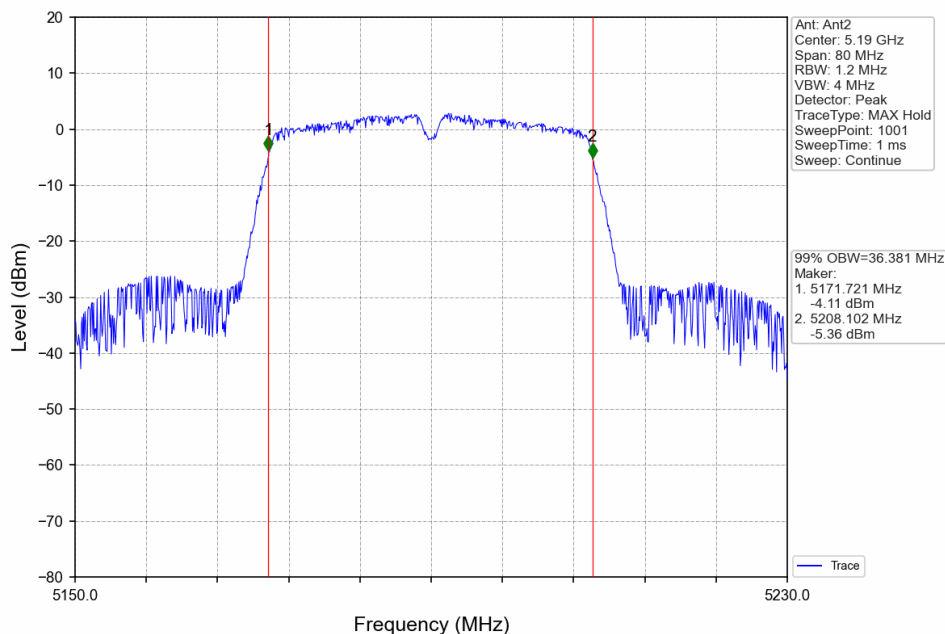
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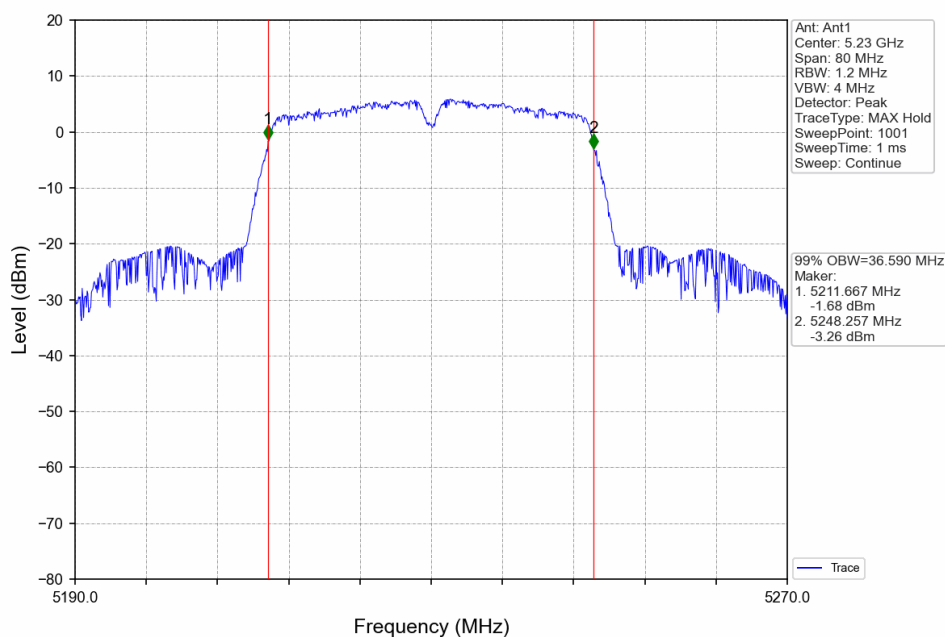
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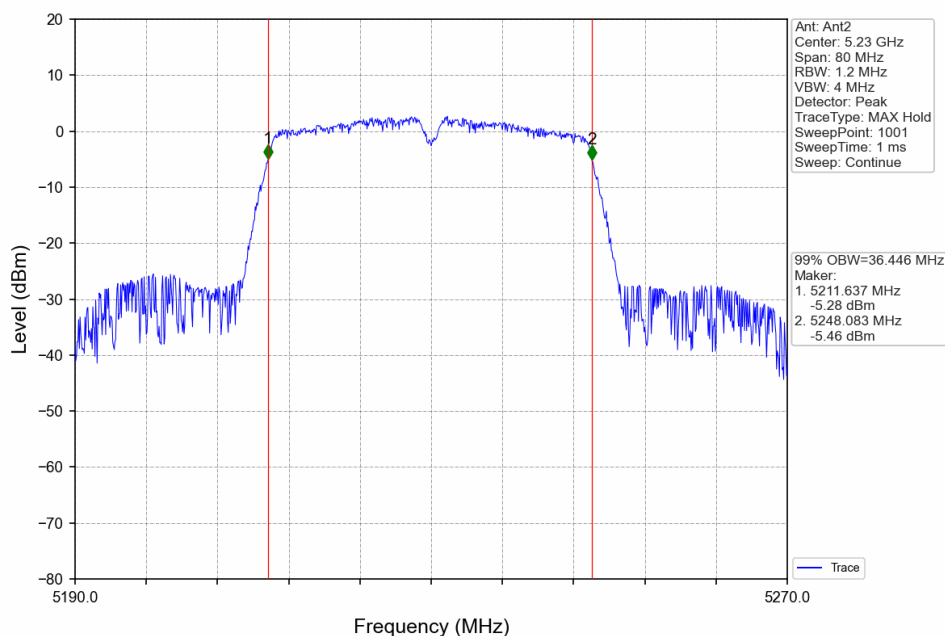
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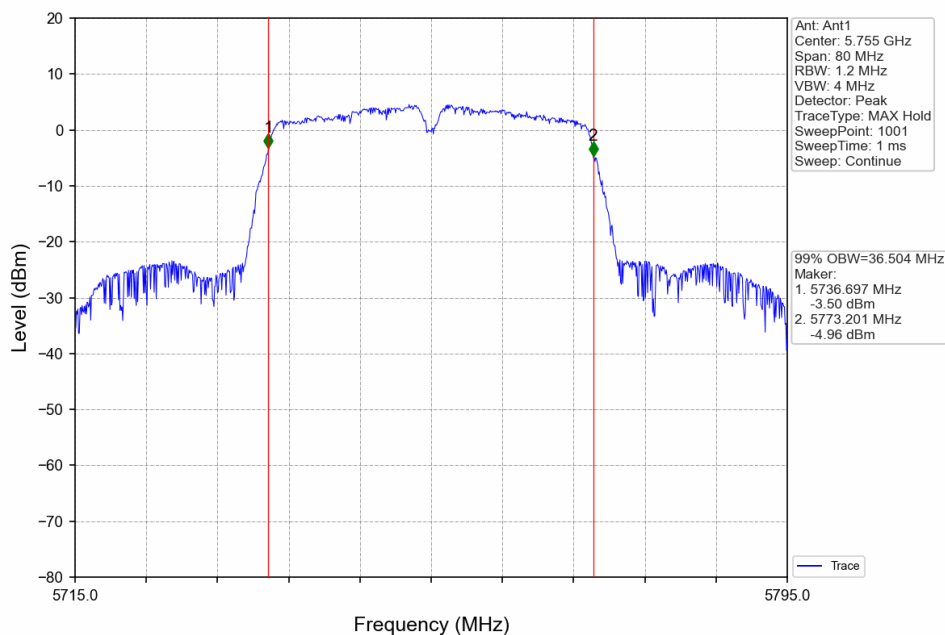
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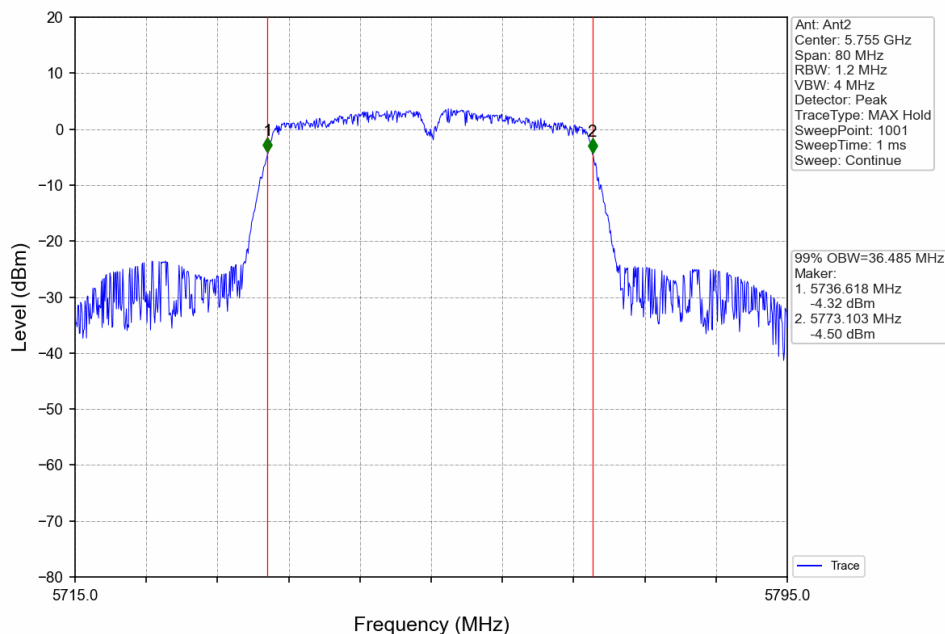
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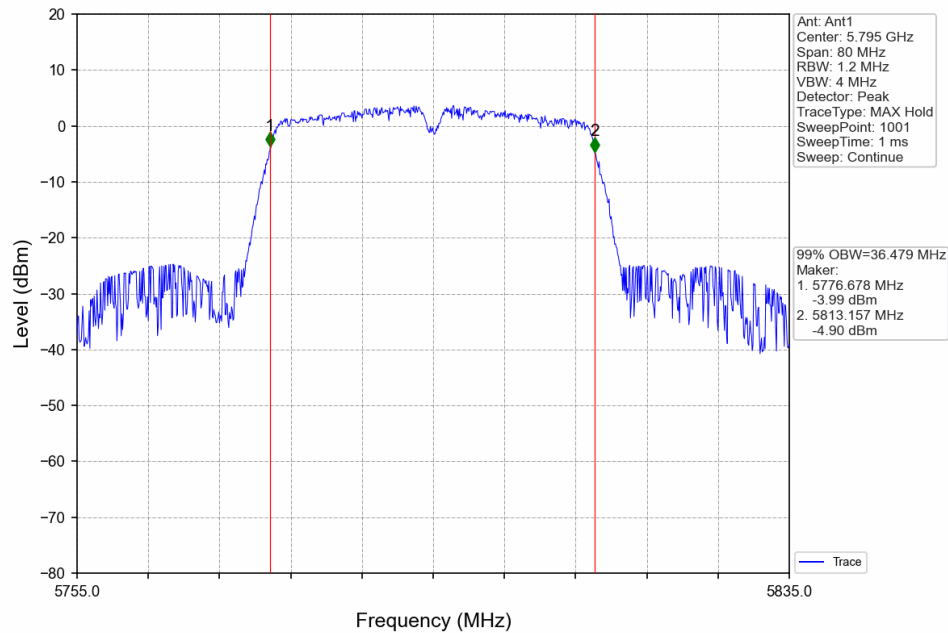
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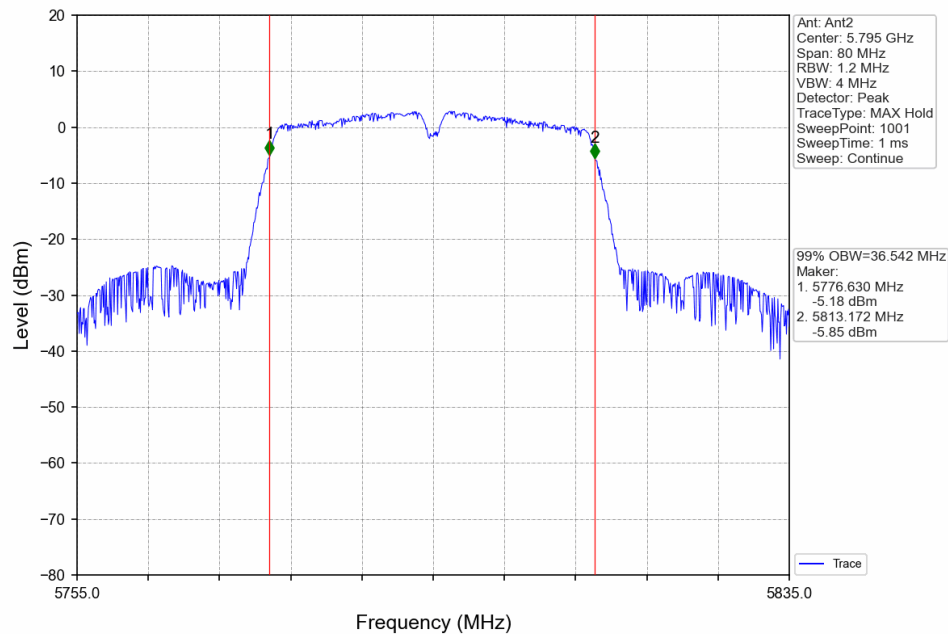
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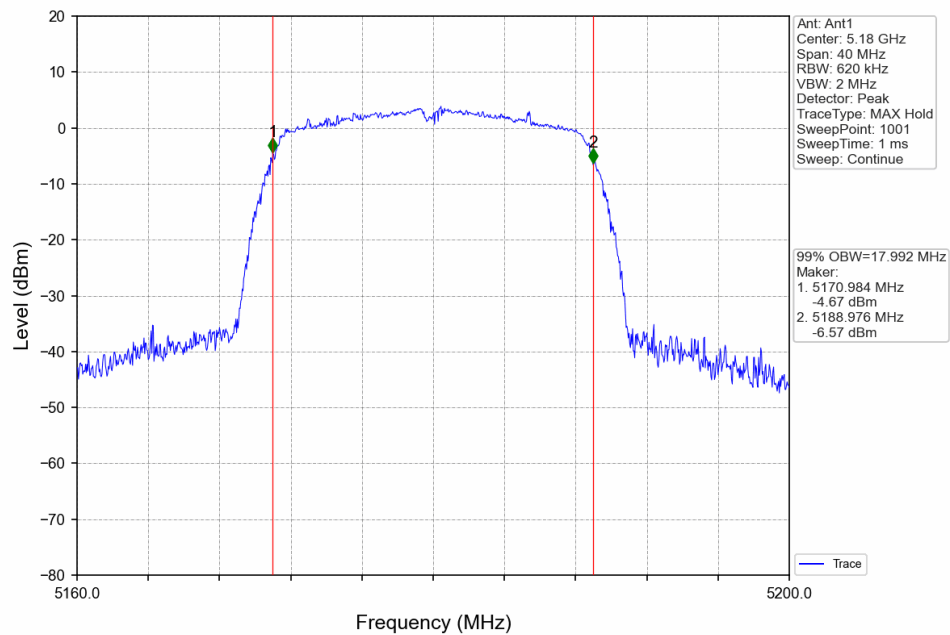
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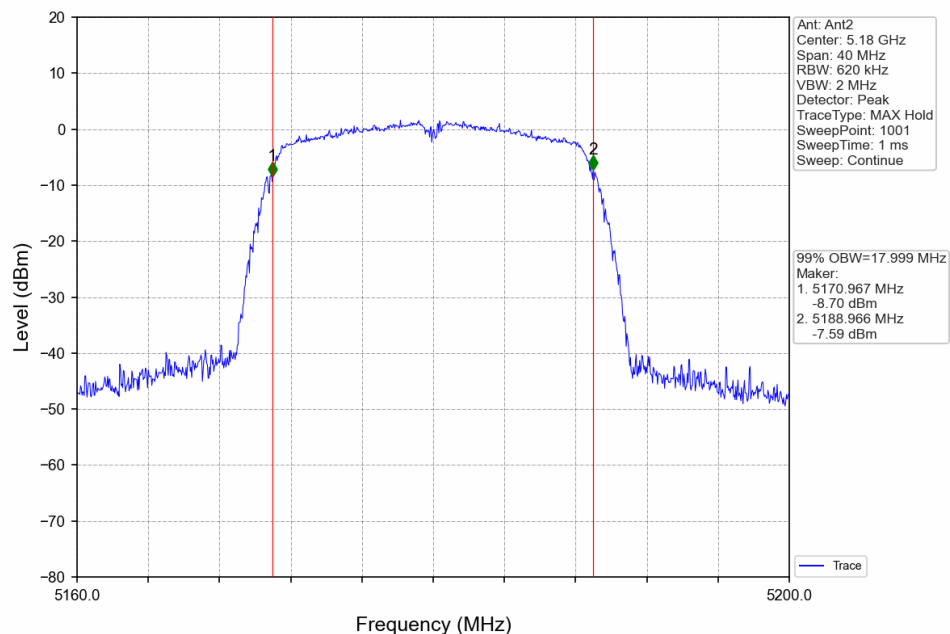
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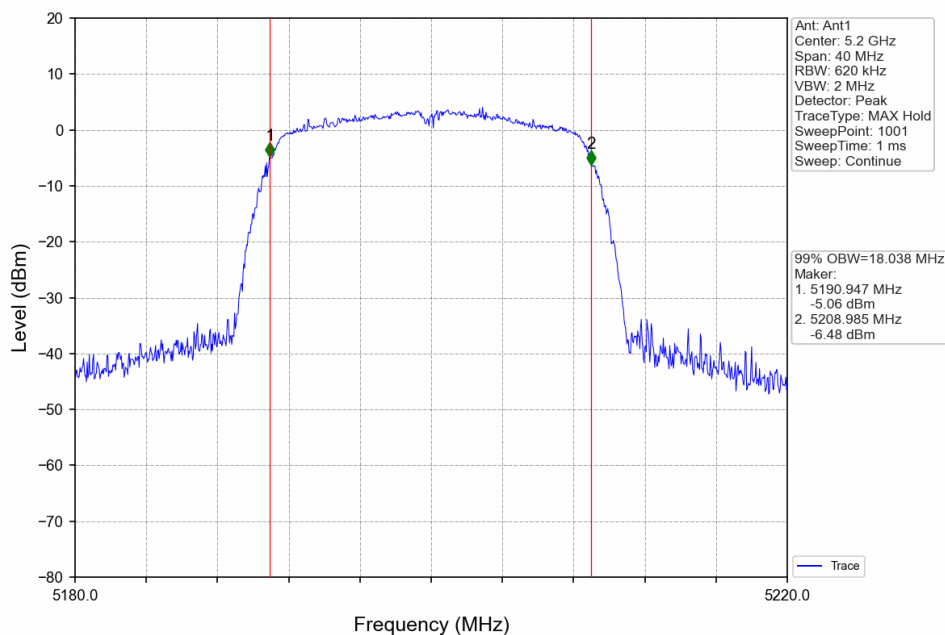
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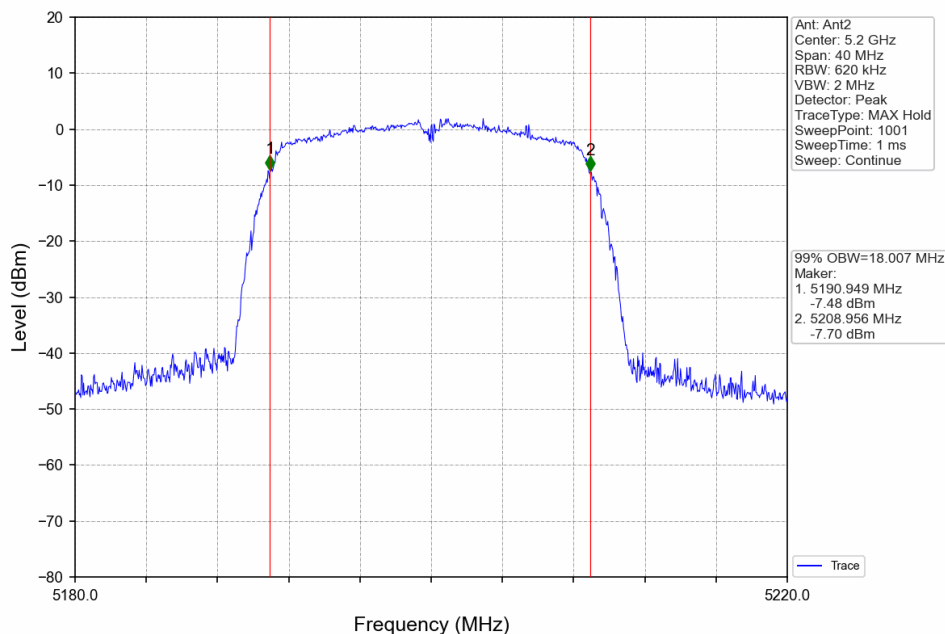
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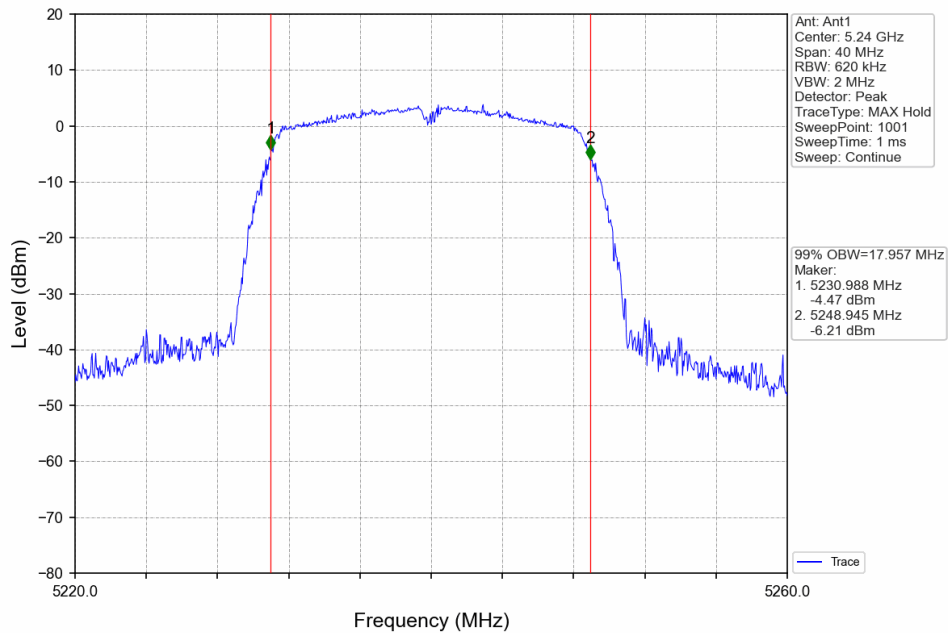
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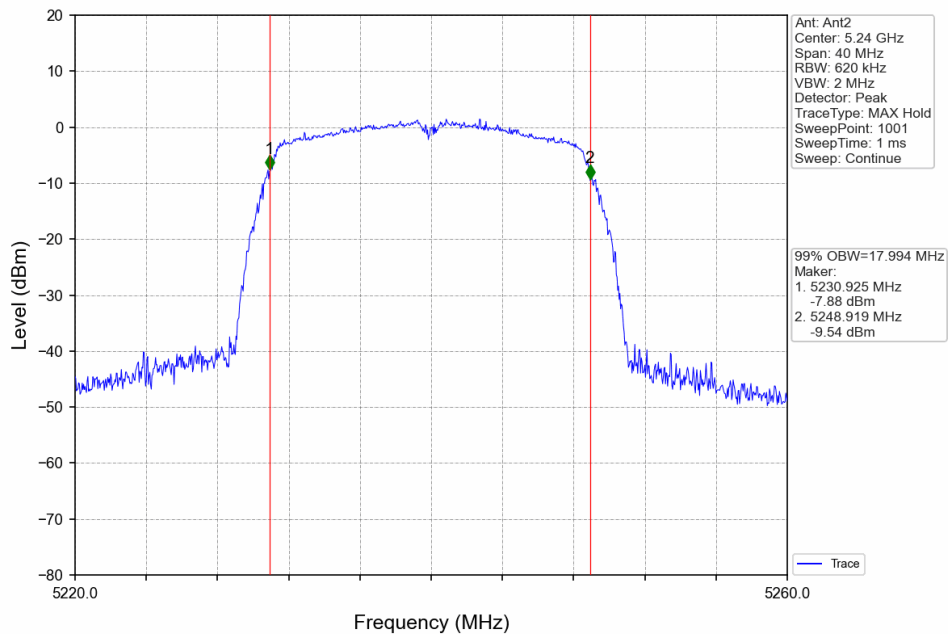
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



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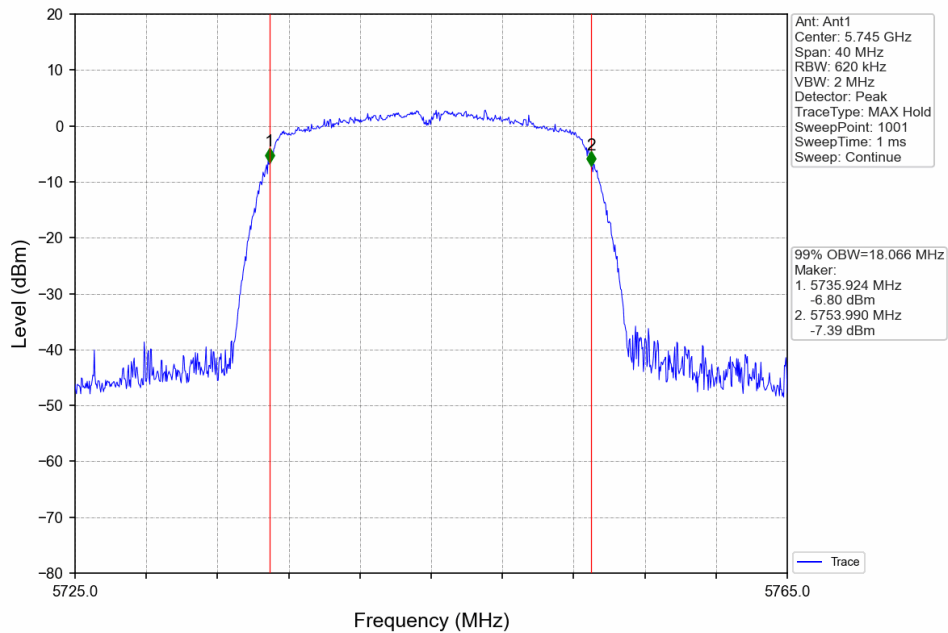
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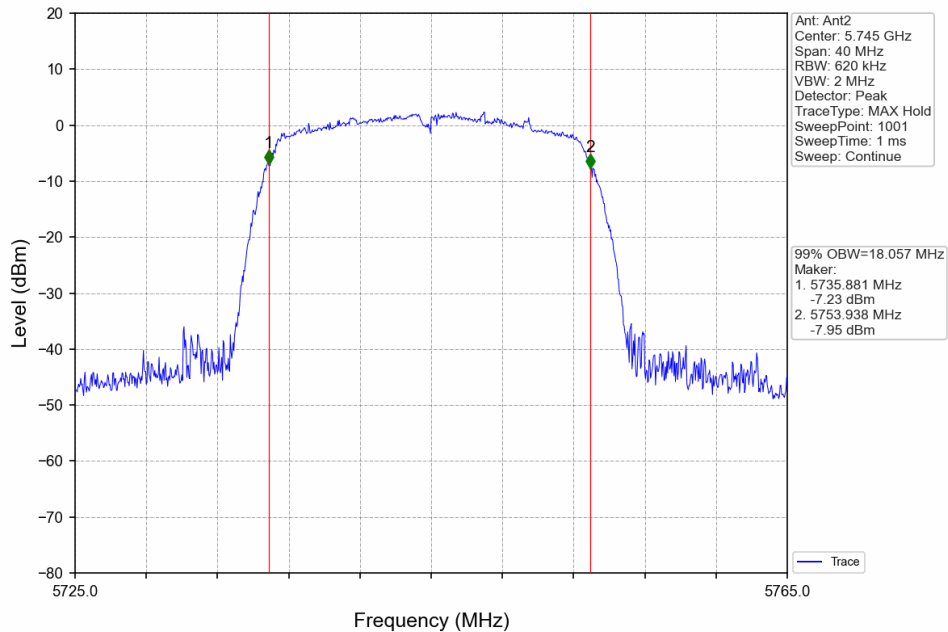
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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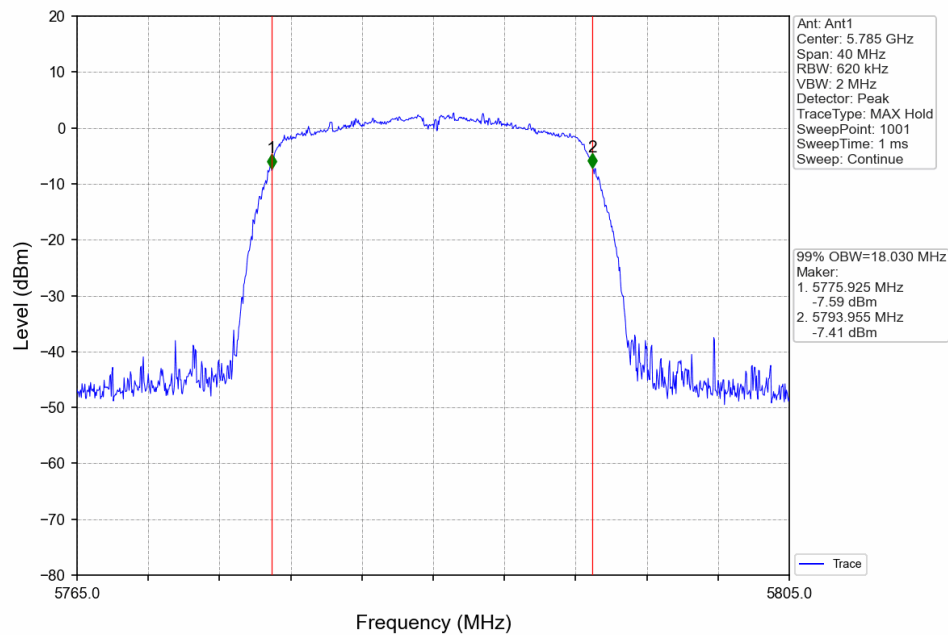
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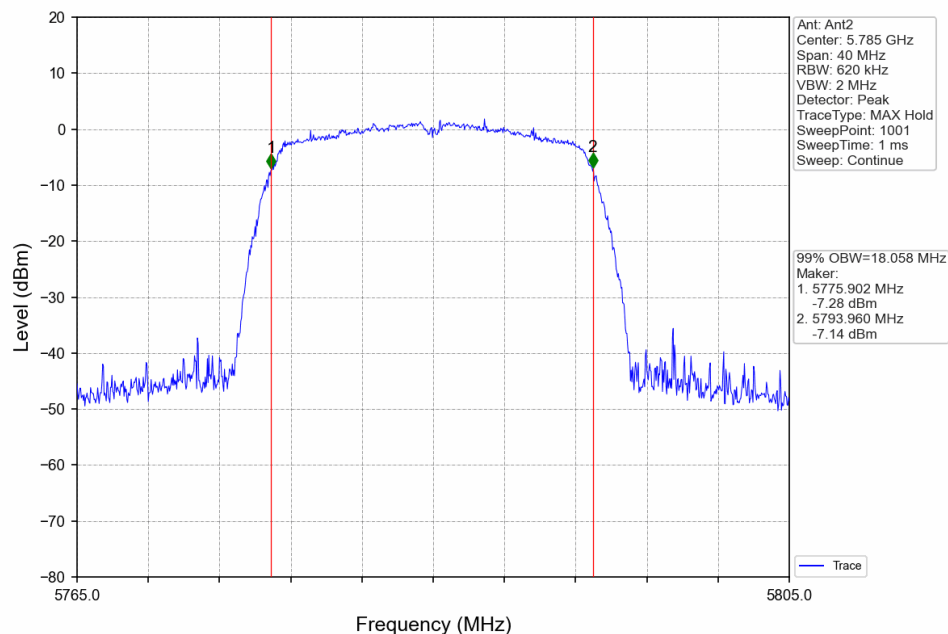
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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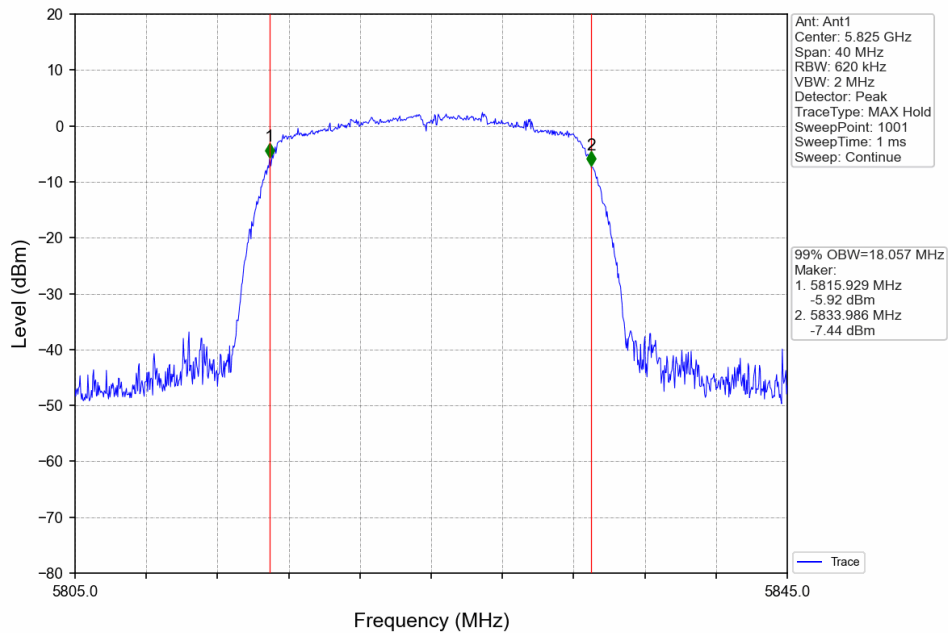
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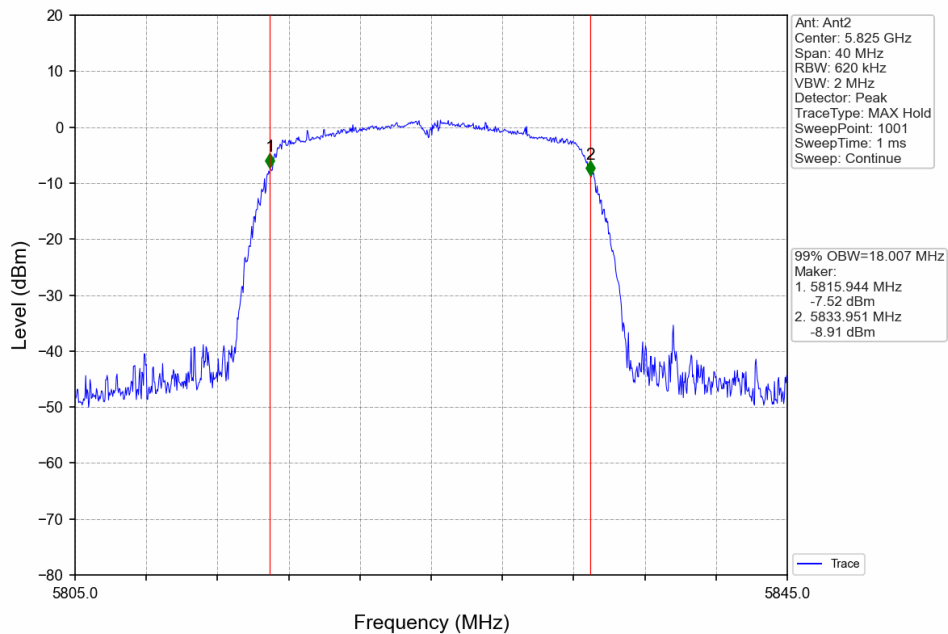
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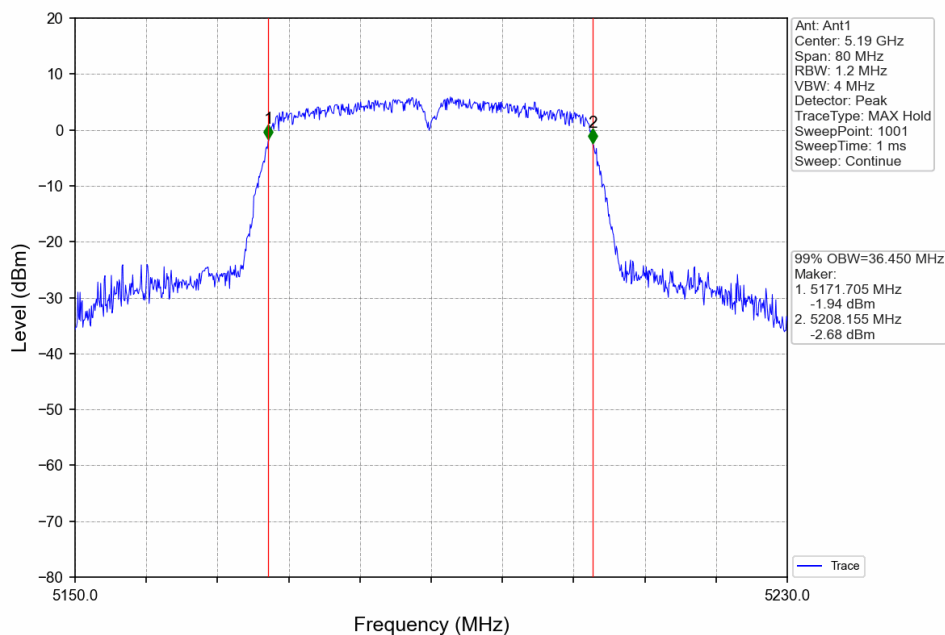
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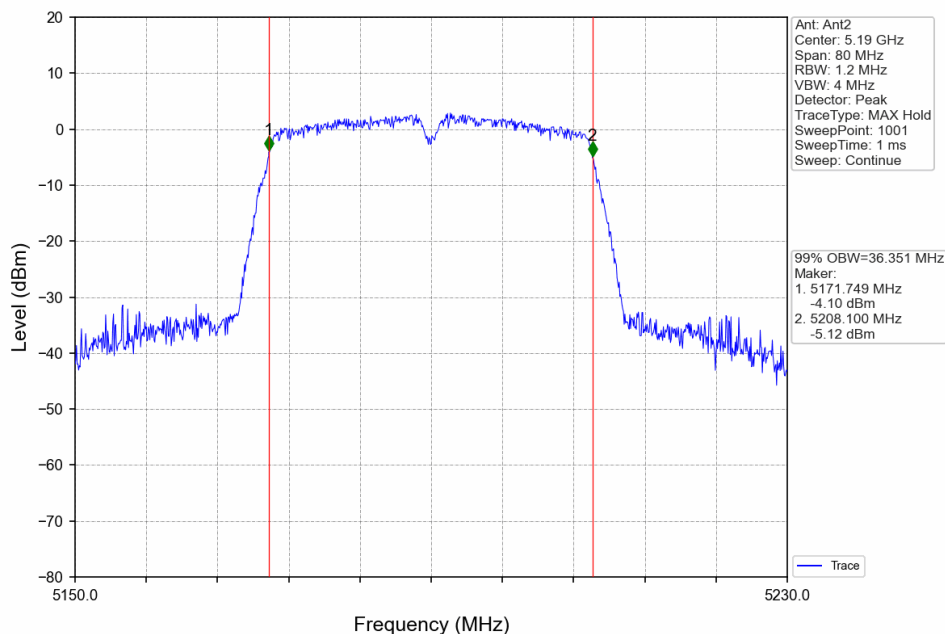
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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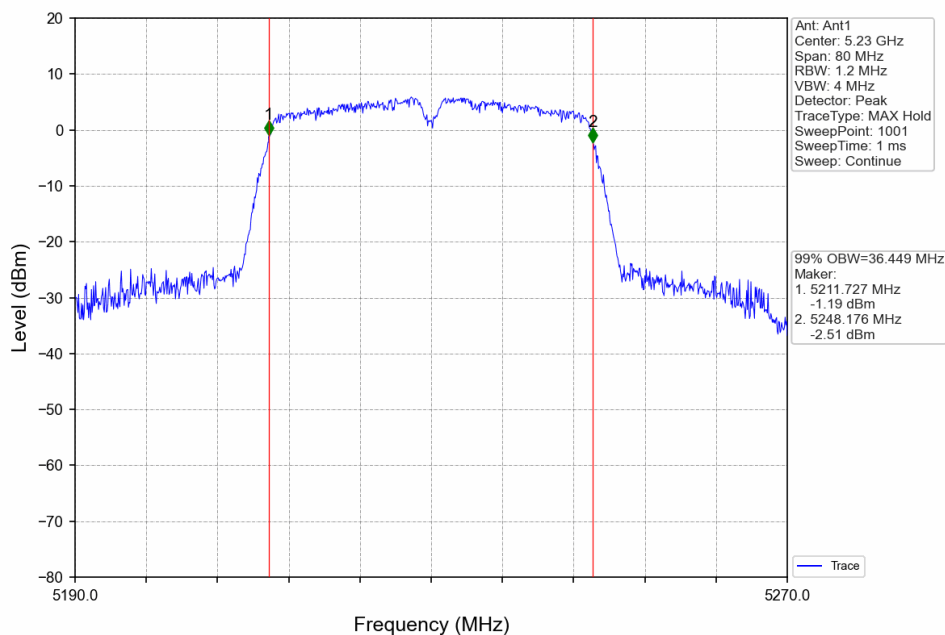
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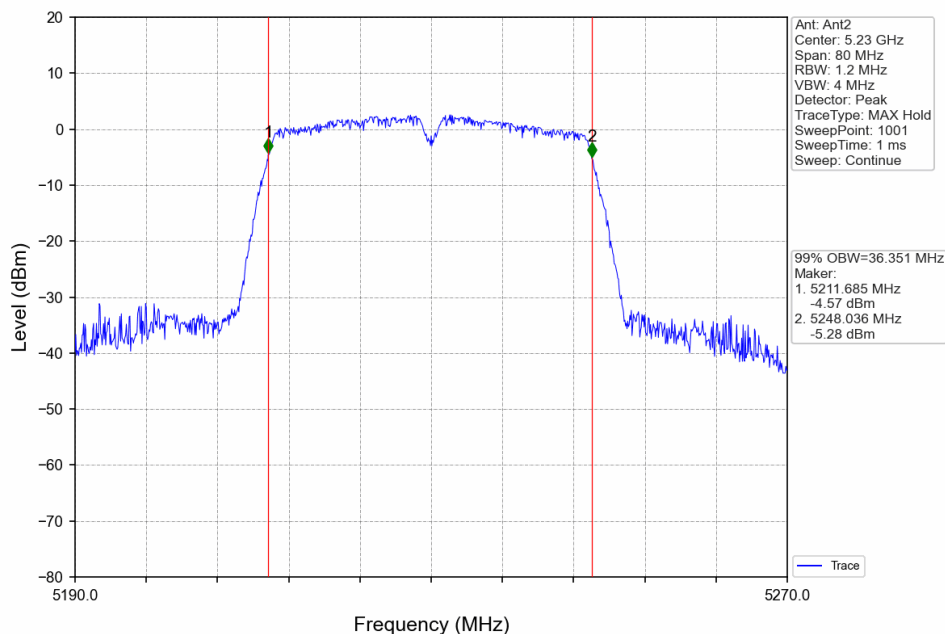
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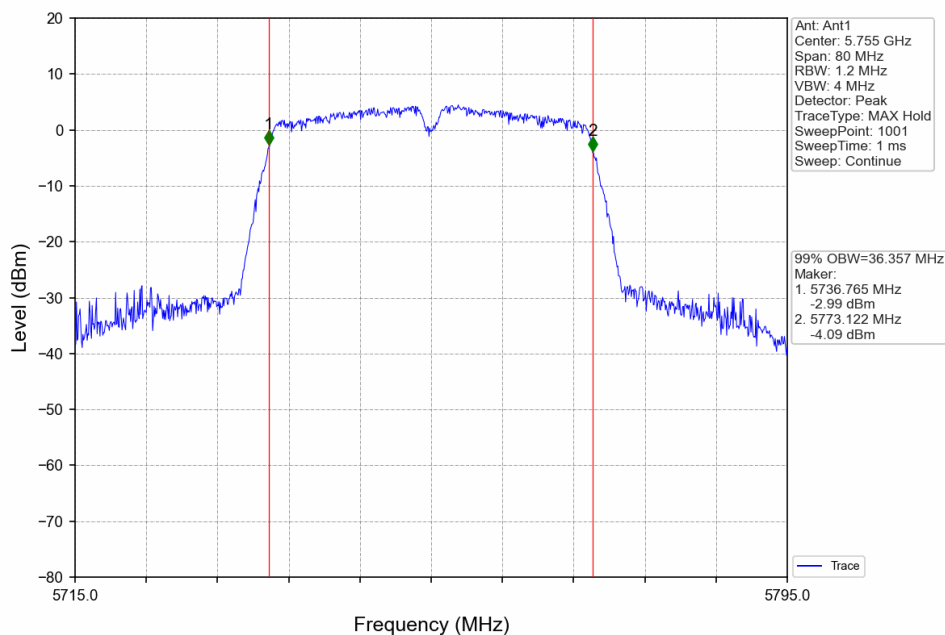
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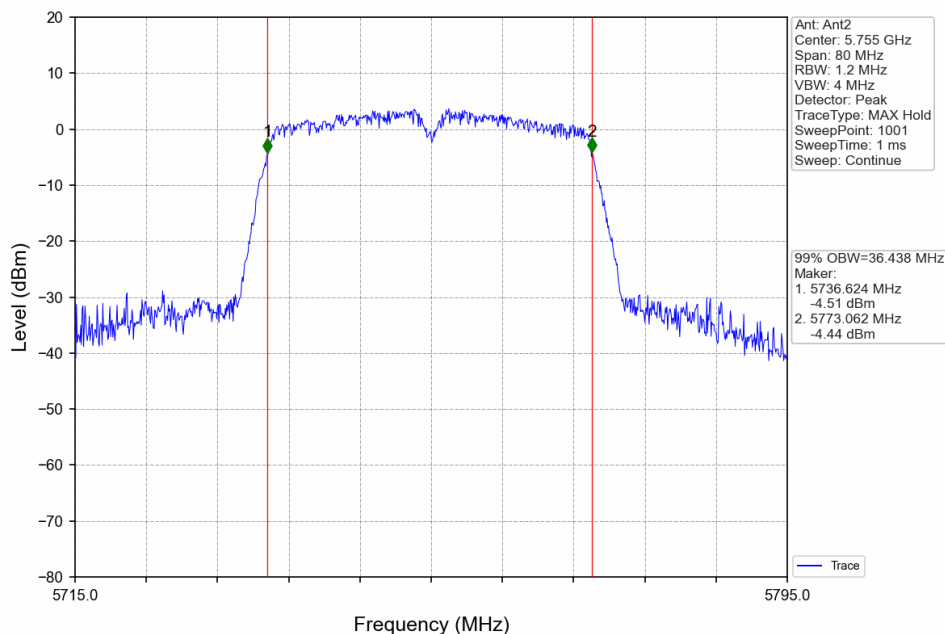
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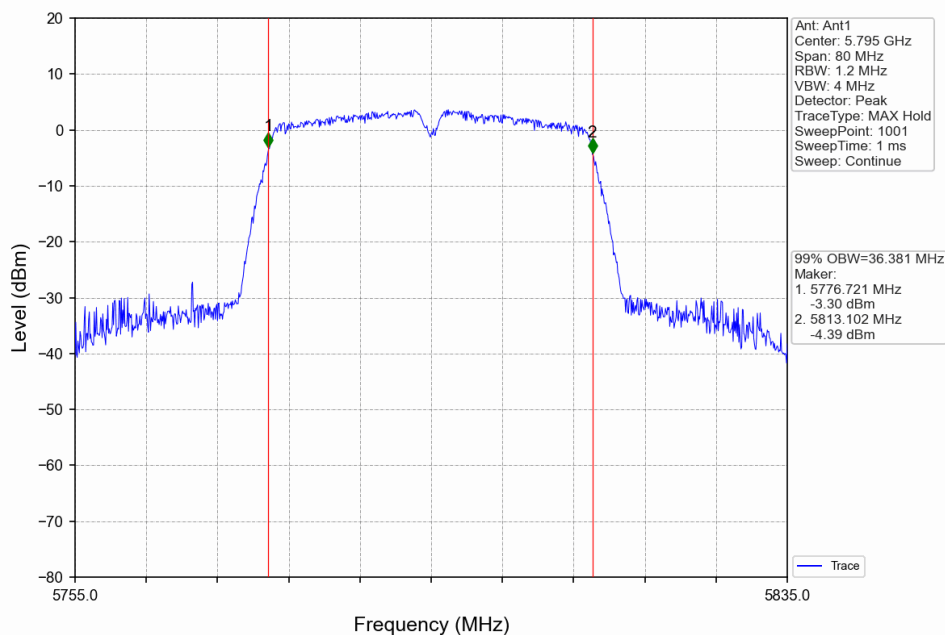
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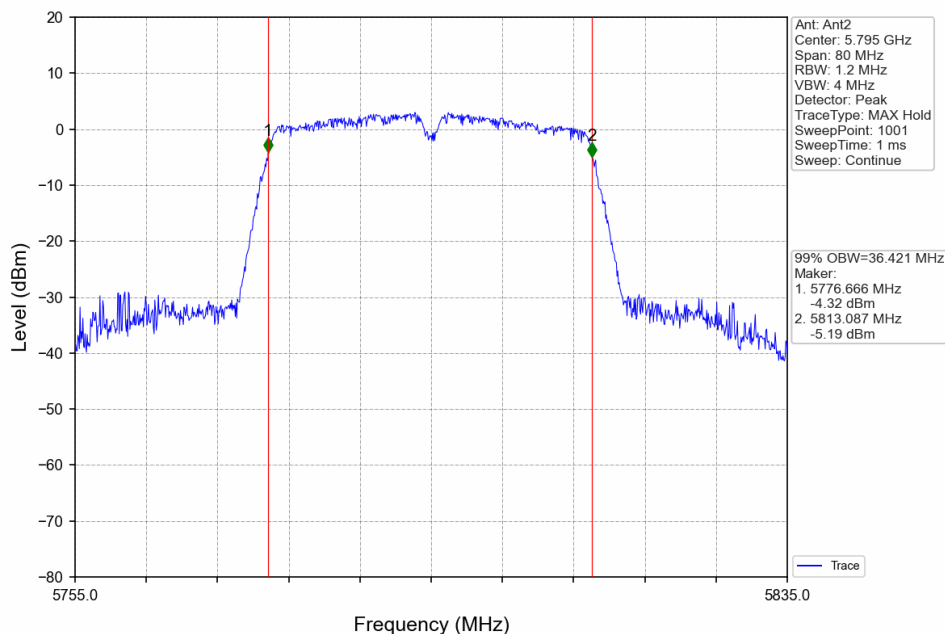
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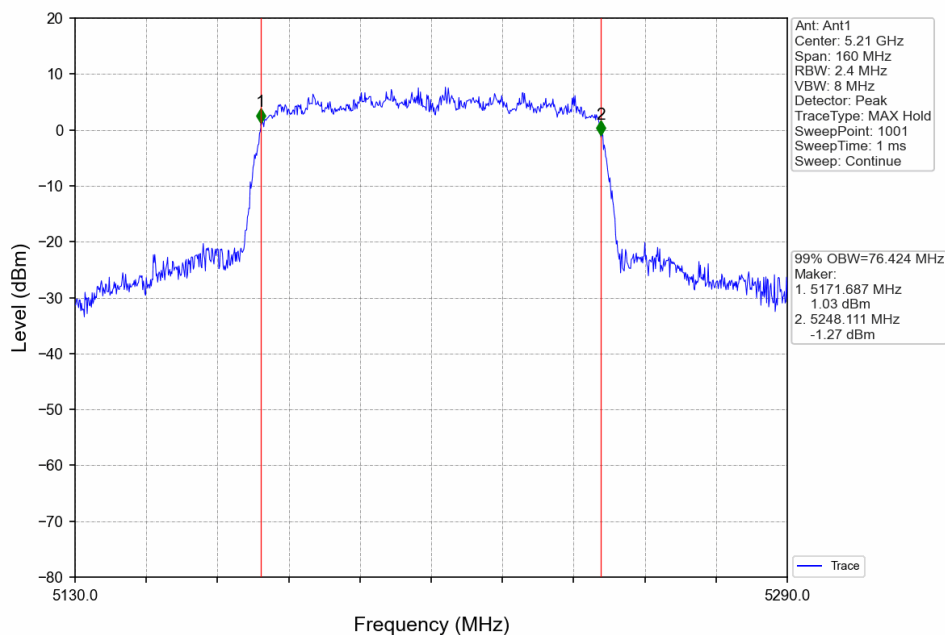
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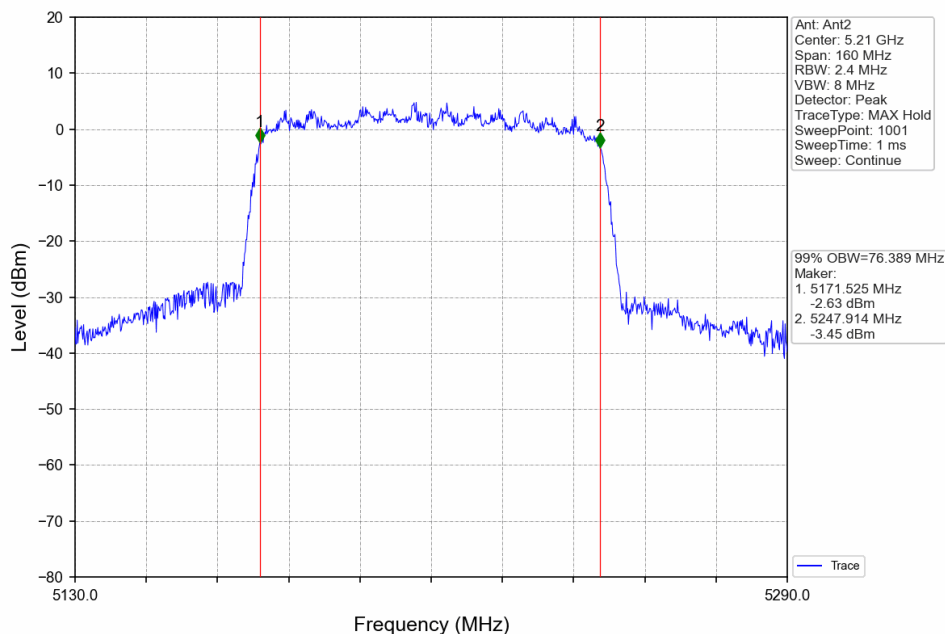
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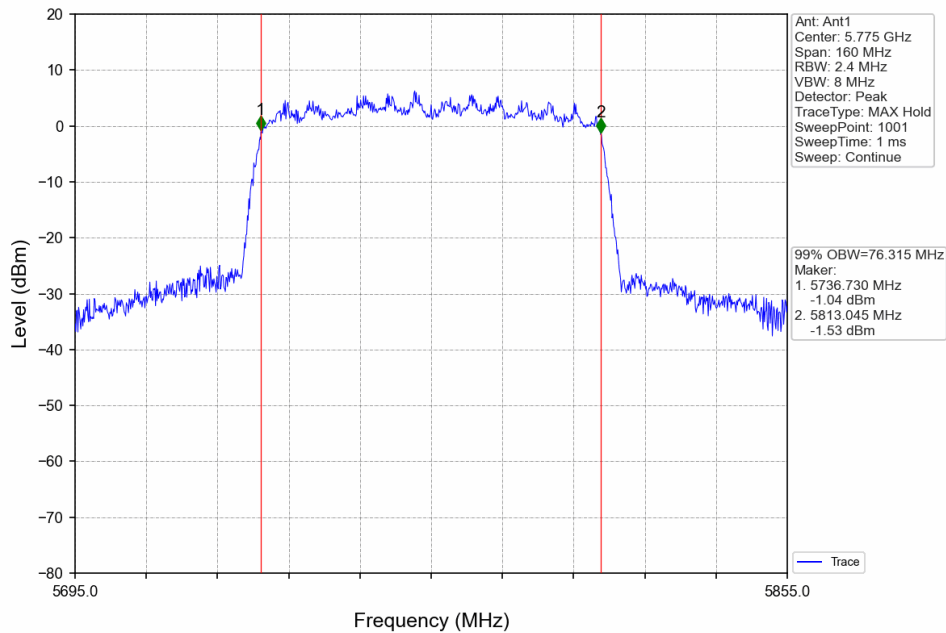
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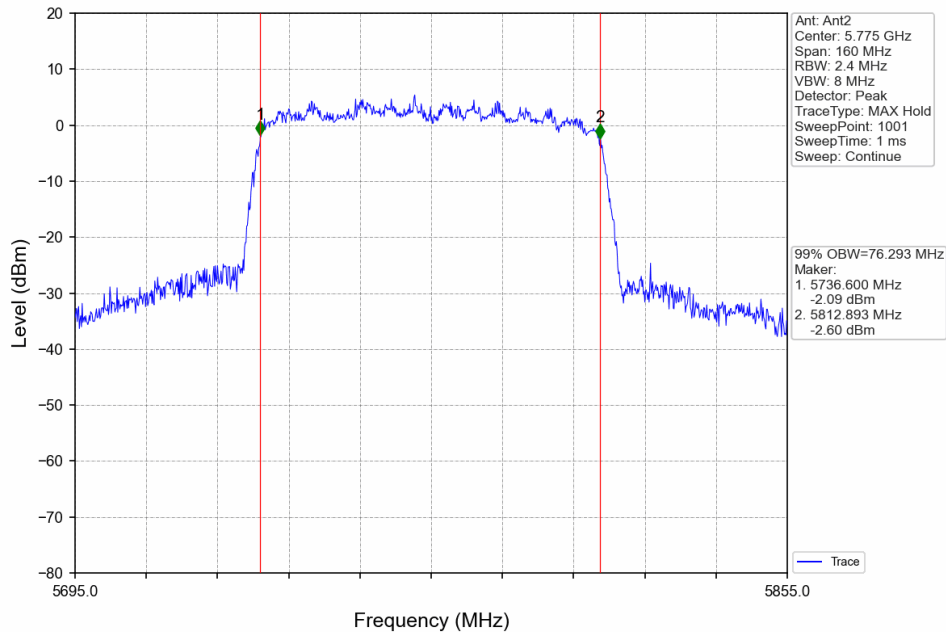
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.132	≥ 0.5	Pass
			2	14.471	≥ 0.5	Pass
		5785	1	15.290	≥ 0.5	Pass
			2	14.467	≥ 0.5	Pass
		5825	1	15.102	≥ 0.5	Pass
			2	15.118	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	15.112	≥ 0.5	Pass
			2	15.080	≥ 0.5	Pass
		5785	1	15.146	≥ 0.5	Pass
			2	15.141	≥ 0.5	Pass
		5825	1	15.129	≥ 0.5	Pass
			2	15.158	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.154	≥ 0.5	Pass
			2	35.127	≥ 0.5	Pass
		5795	1	35.184	≥ 0.5	Pass
			2	35.169	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	15.085	≥ 0.5	Pass
			2	15.108	≥ 0.5	Pass
		5785	1	13.881	≥ 0.5	Pass
			2	15.803	≥ 0.5	Pass
		5825	1	15.157	≥ 0.5	Pass
			2	15.805	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.157	≥ 0.5	Pass
			2	35.143	≥ 0.5	Pass
		5795	1	35.183	≥ 0.5	Pass
			2	35.065	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.227	≥ 0.5	Pass
			2	75.736	≥ 0.5	Pass



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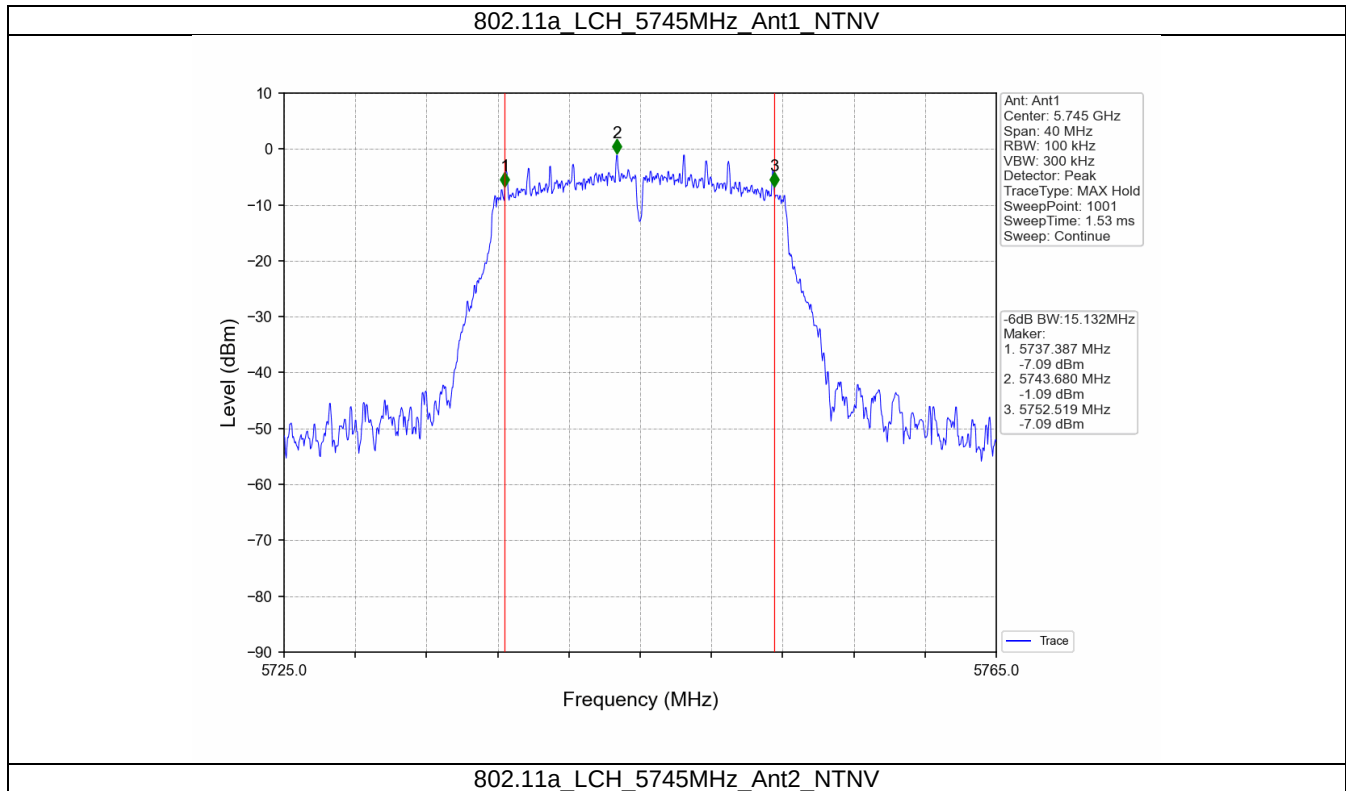
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2.2.2 Test Graph



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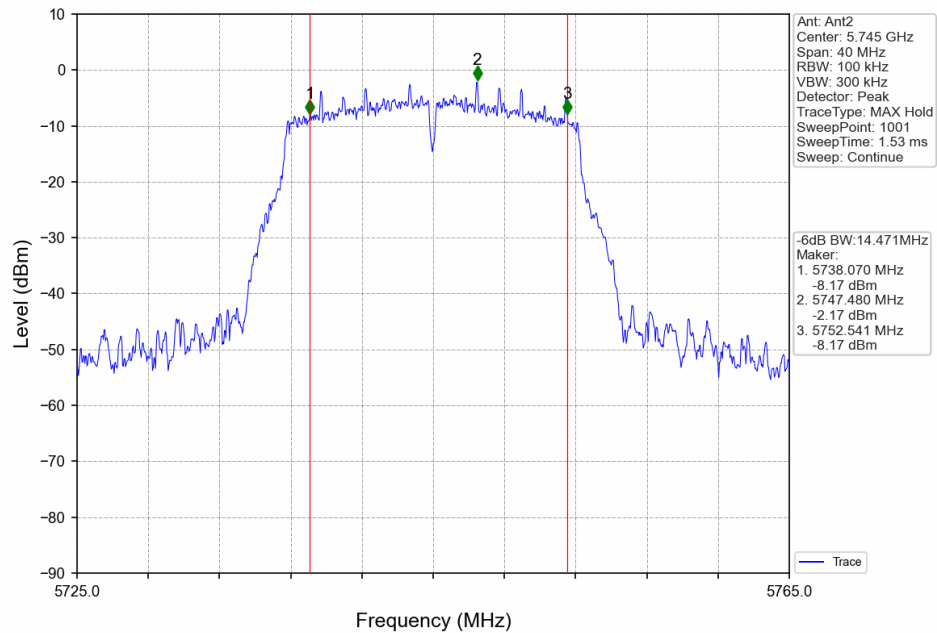
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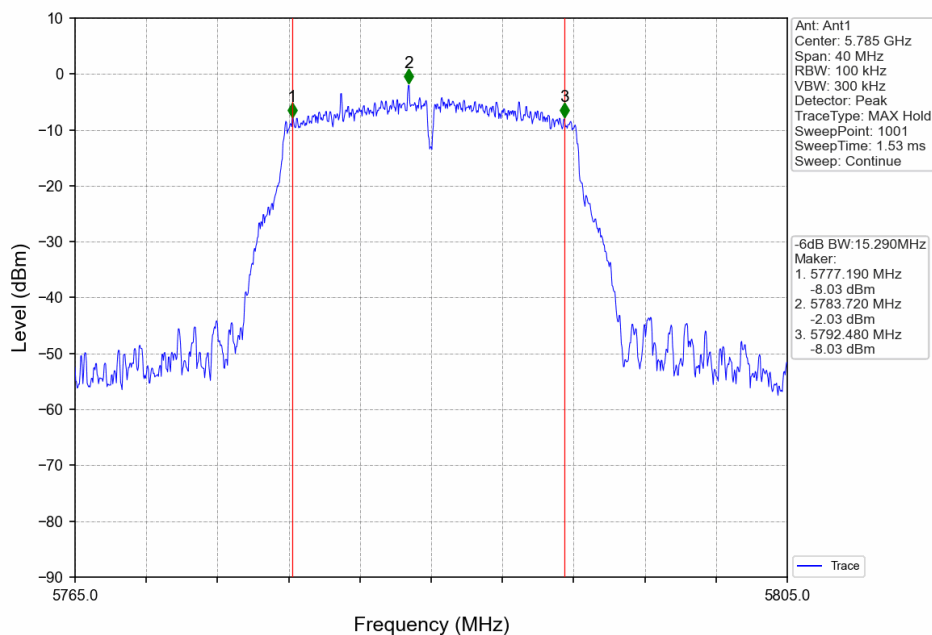
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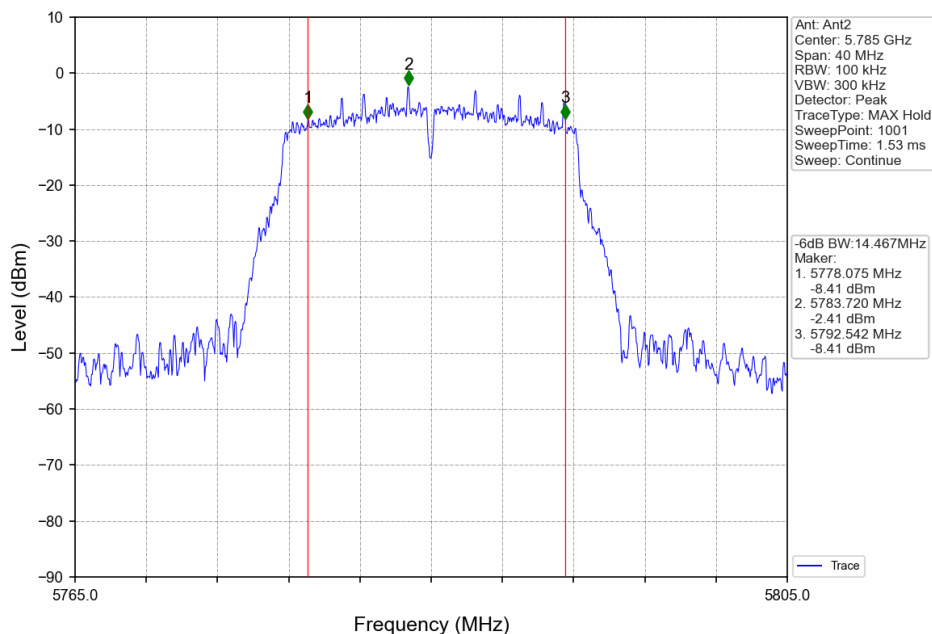
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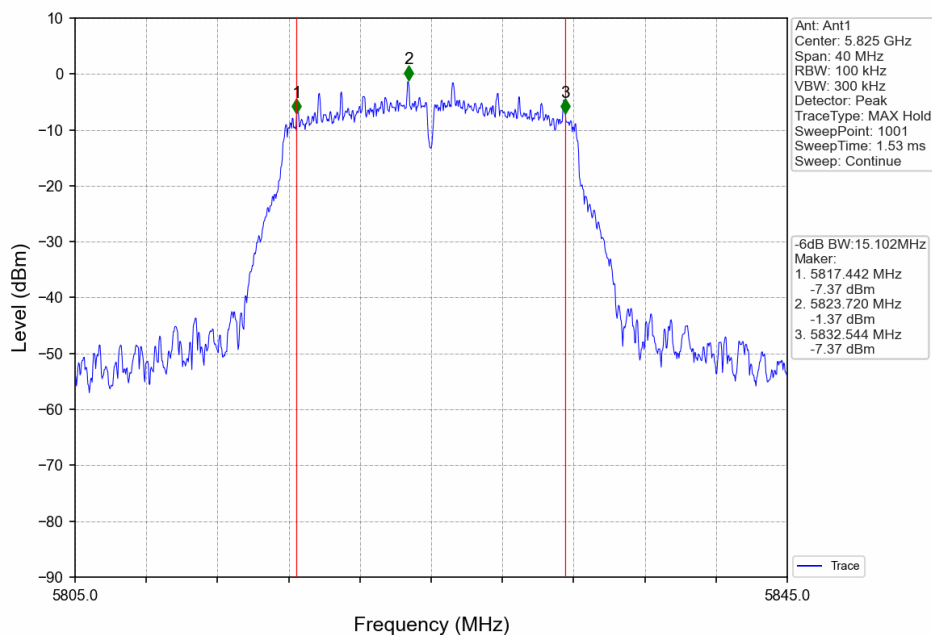
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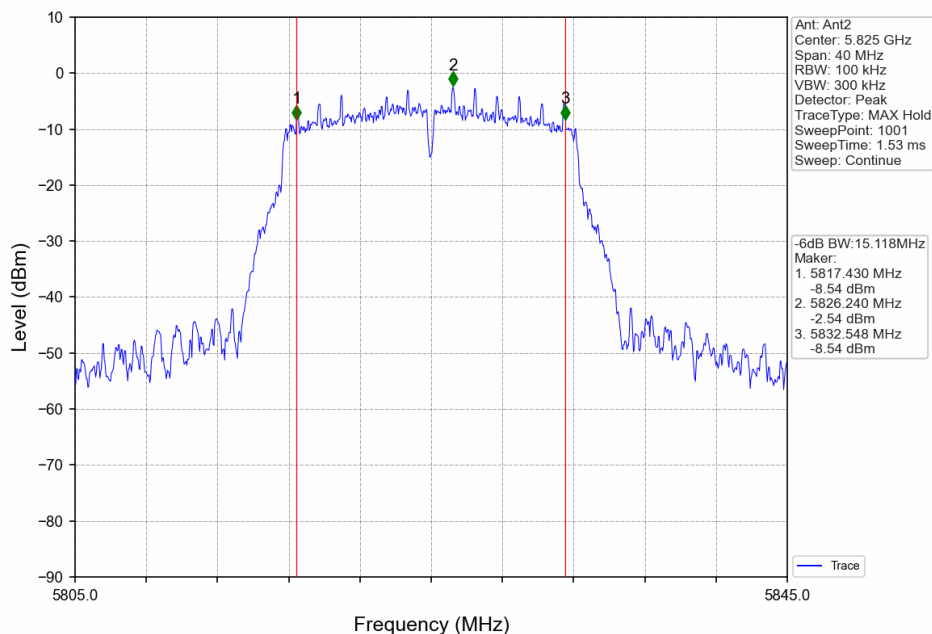
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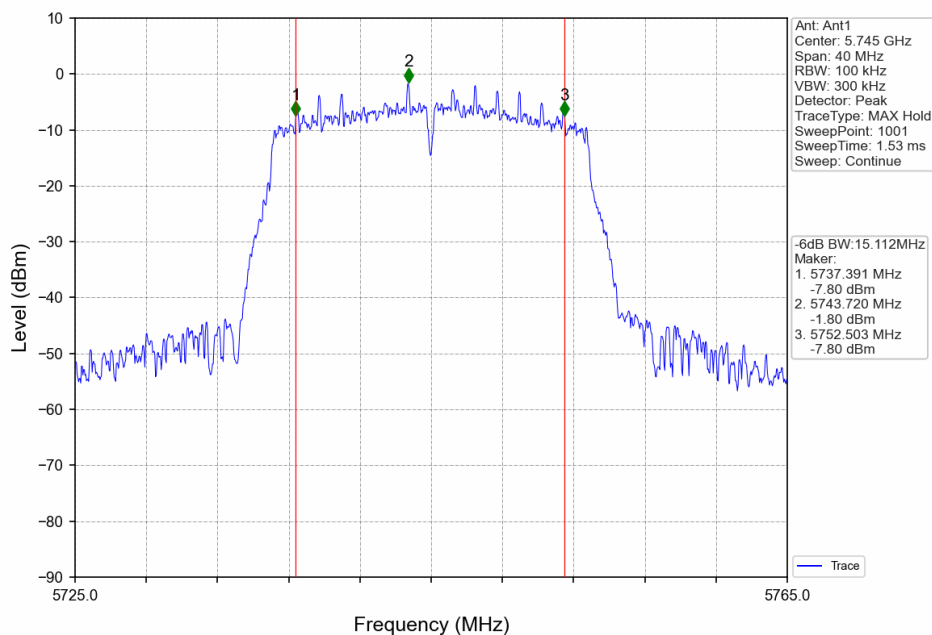
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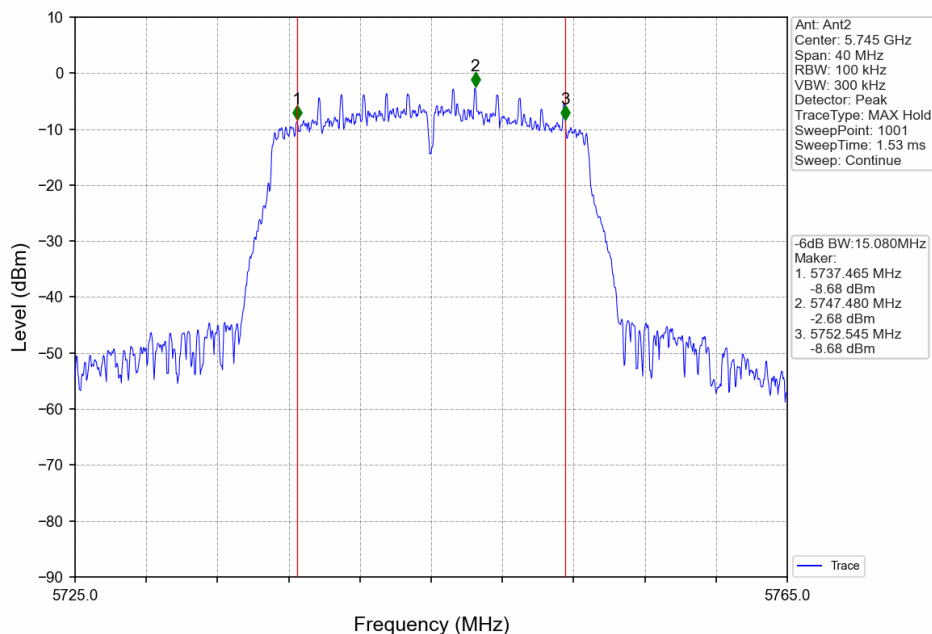
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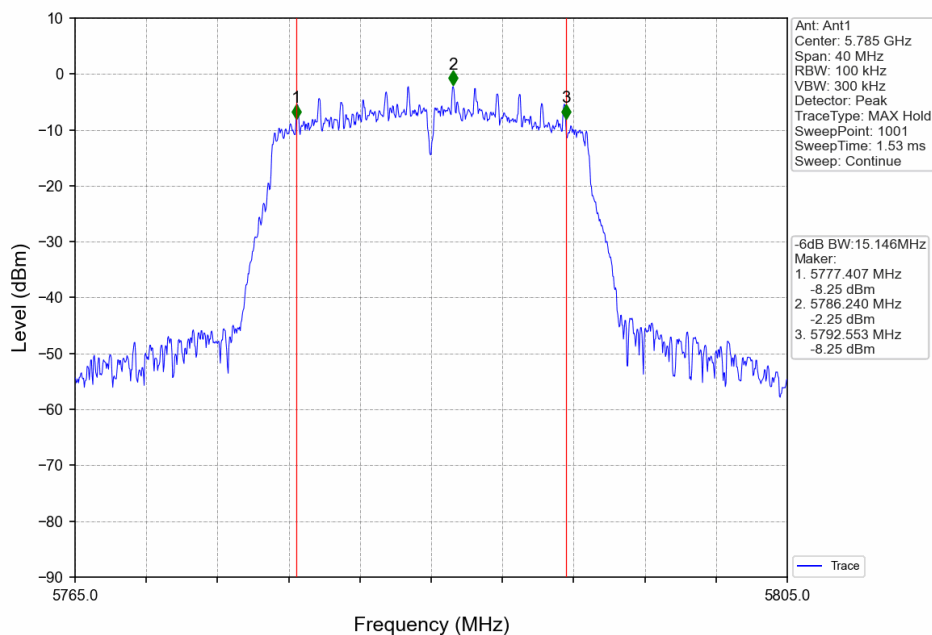
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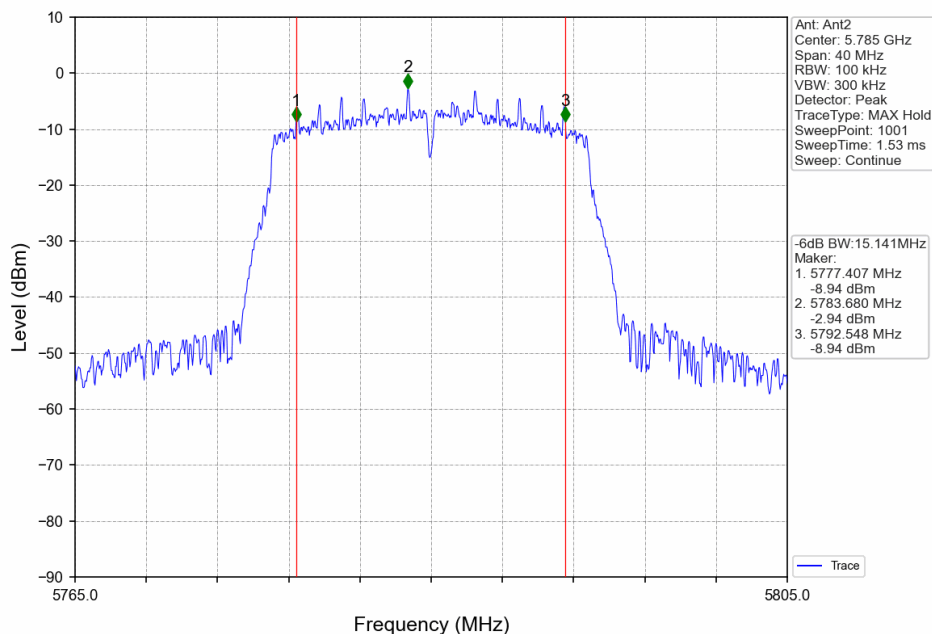
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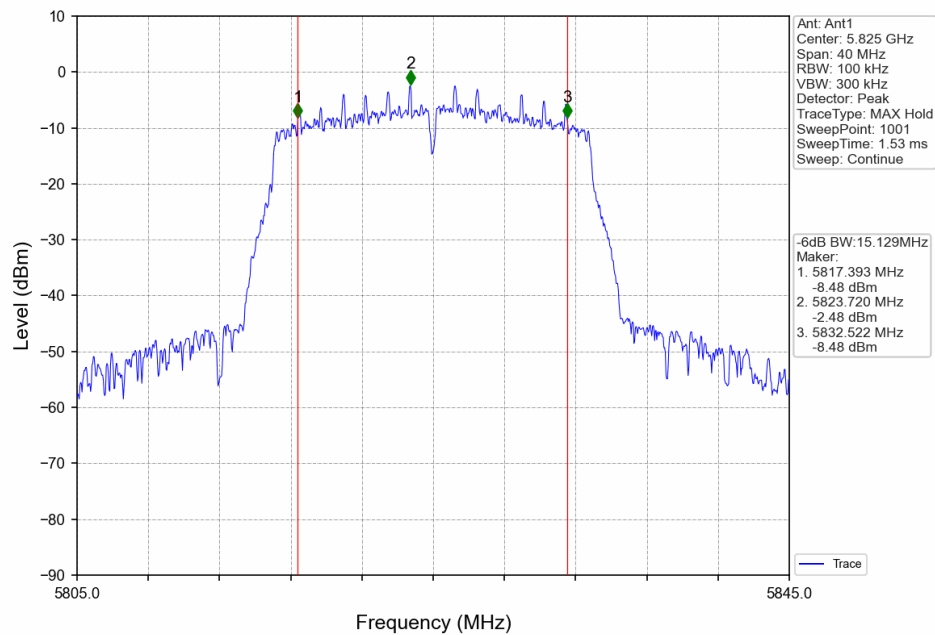
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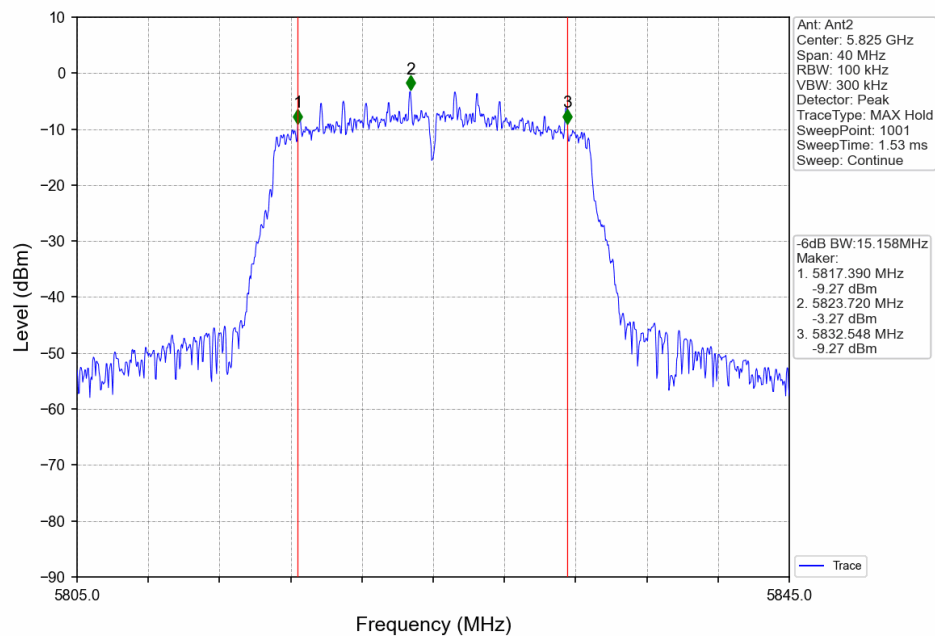
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