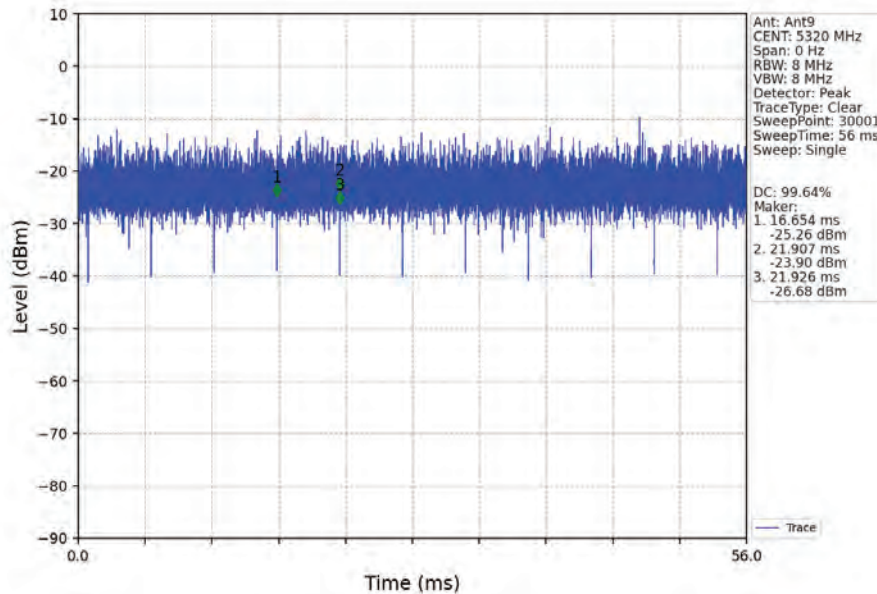
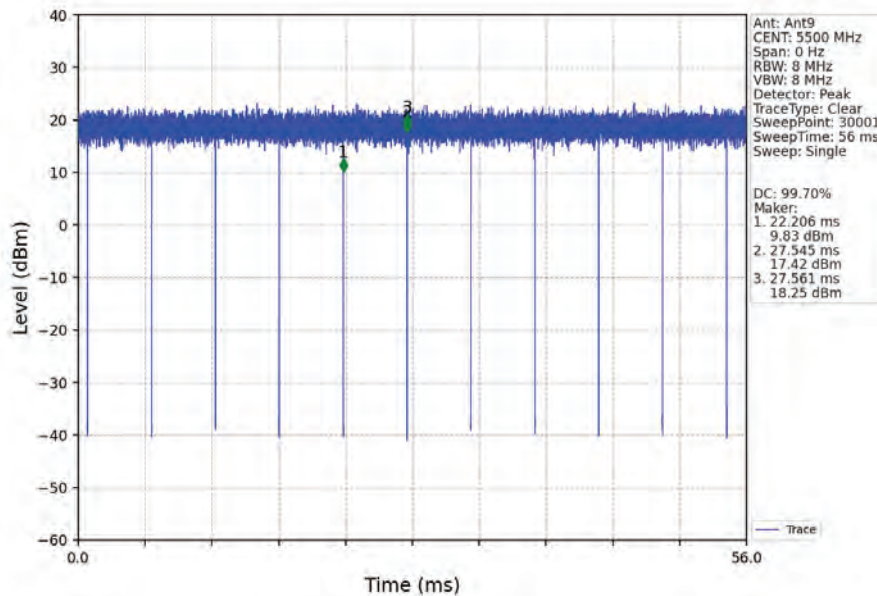


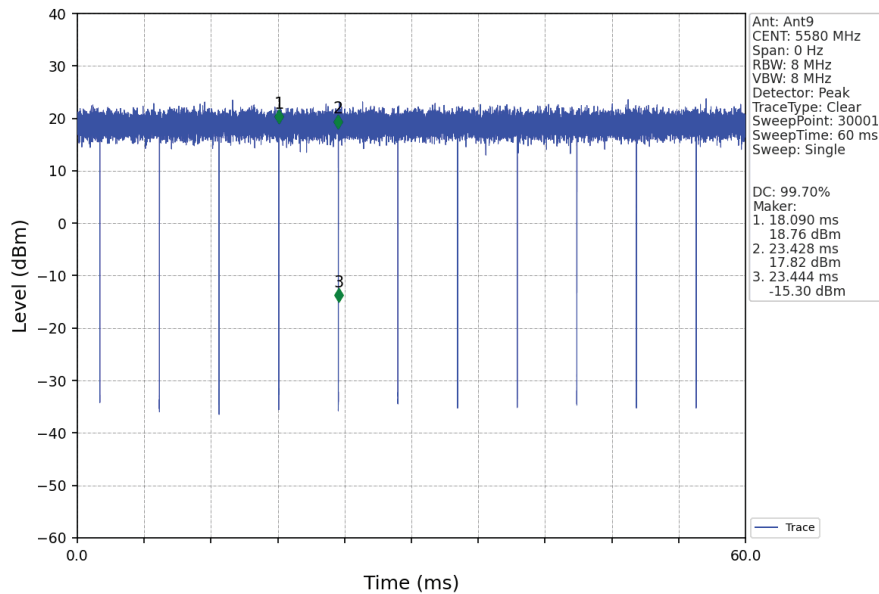
802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant9_NTNV



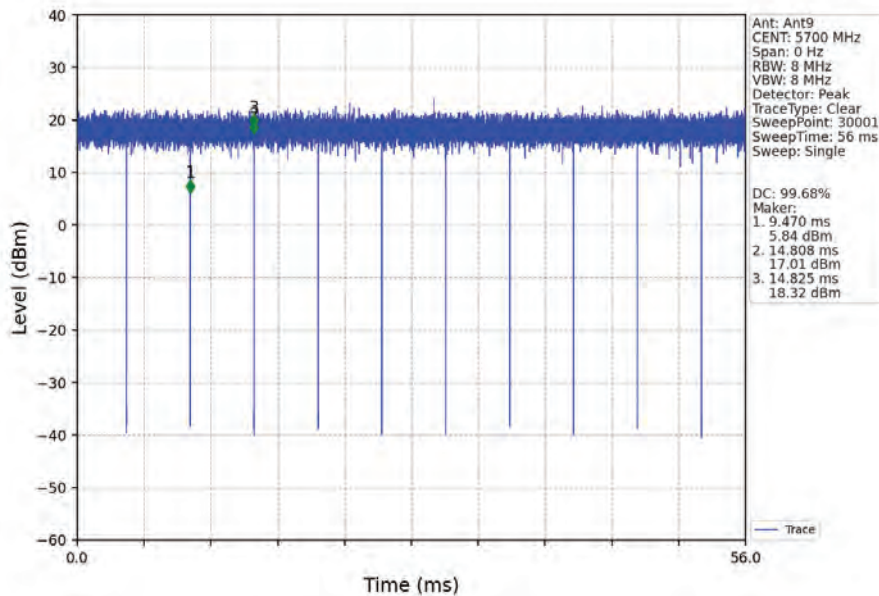
802.11ax(HEW20)_LCH_5500MHz_RU242_Left_Ant9_NTNV



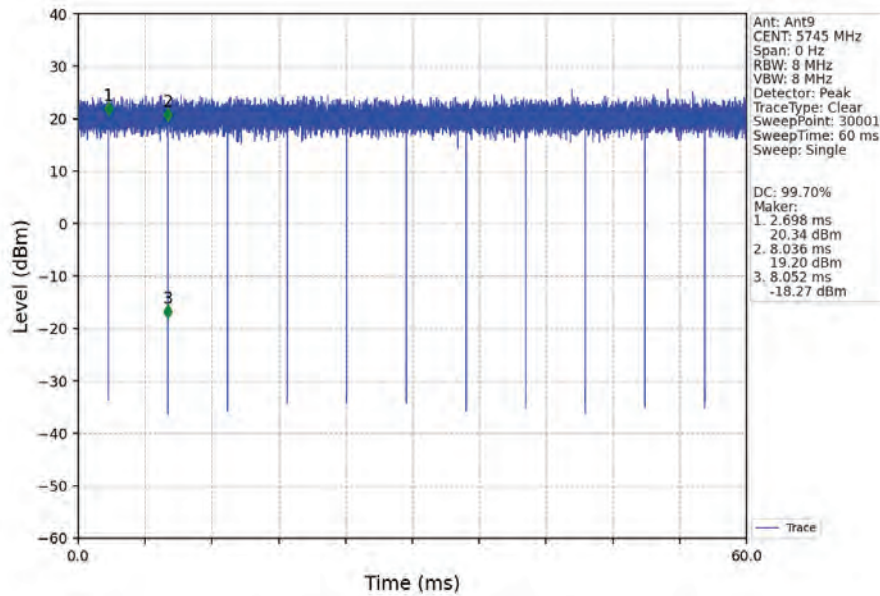
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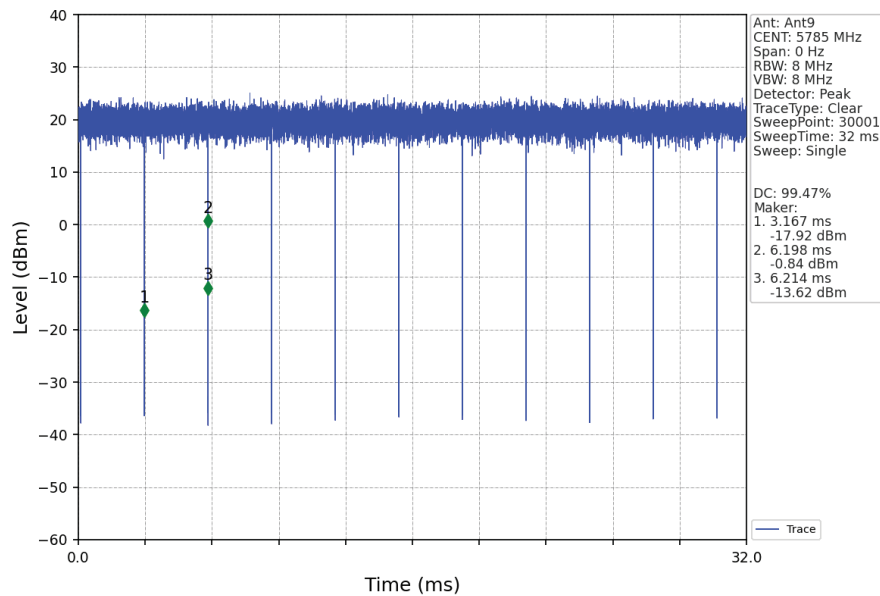
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802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant9_NTNV



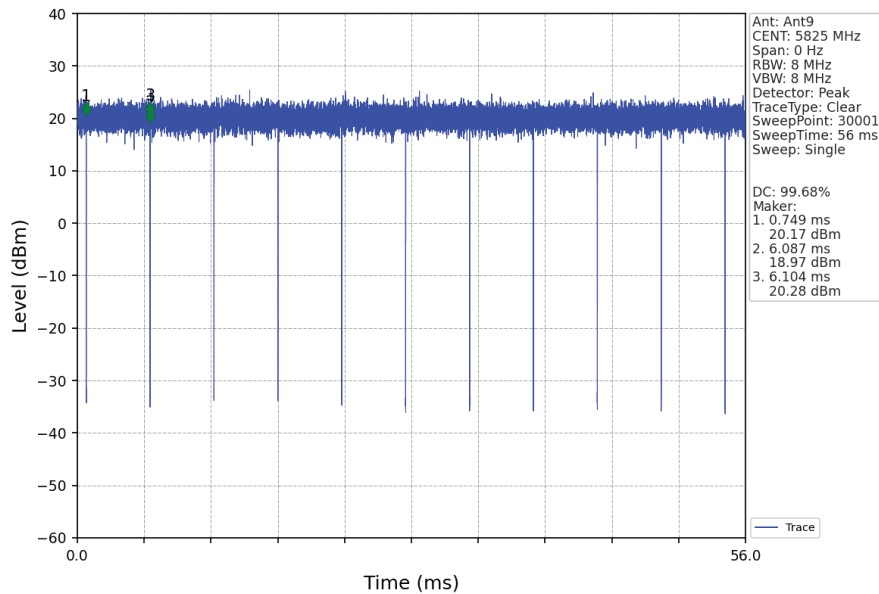
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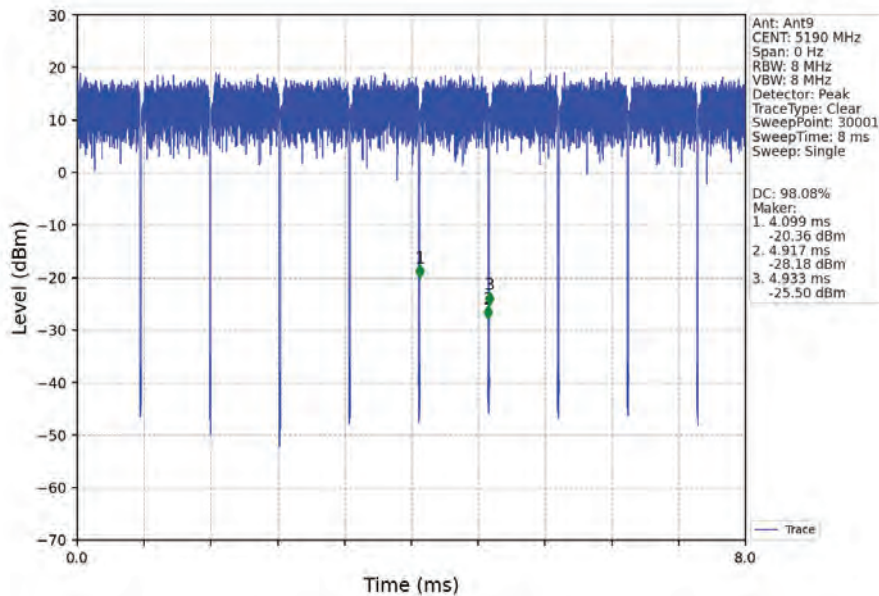
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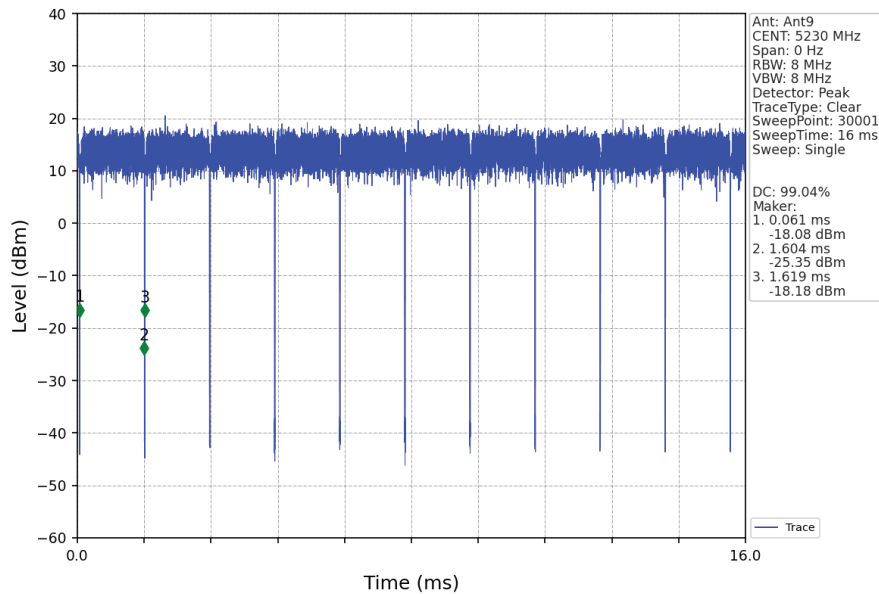
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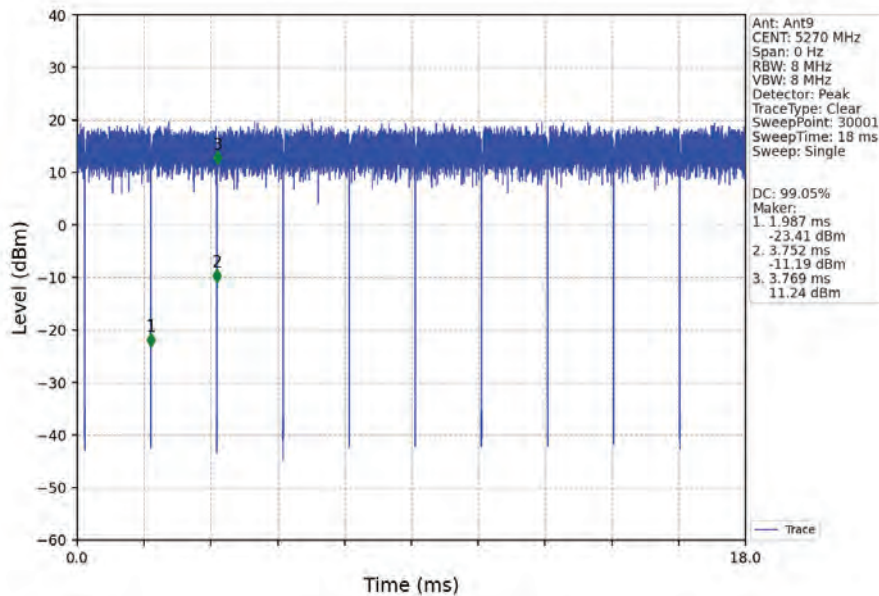
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant9_NTNV



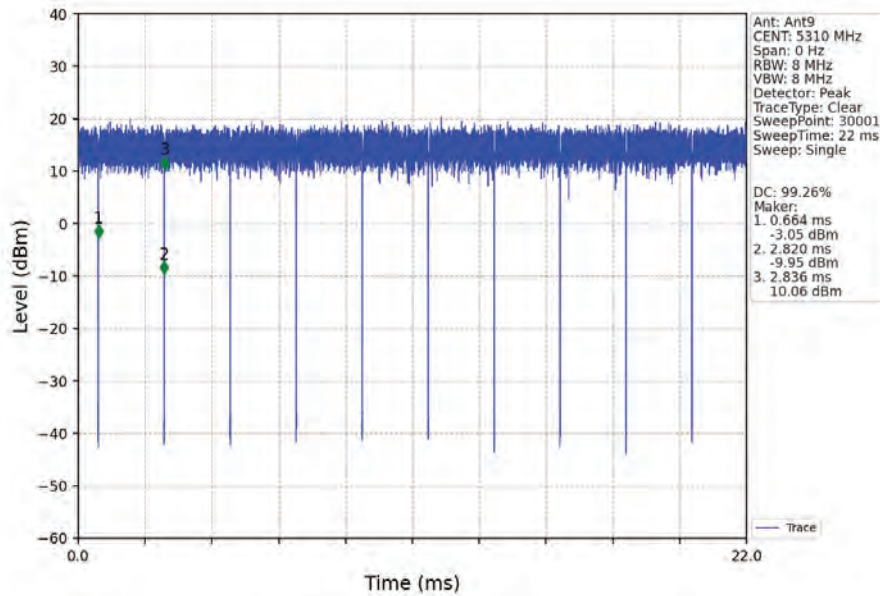
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant9_NTNV



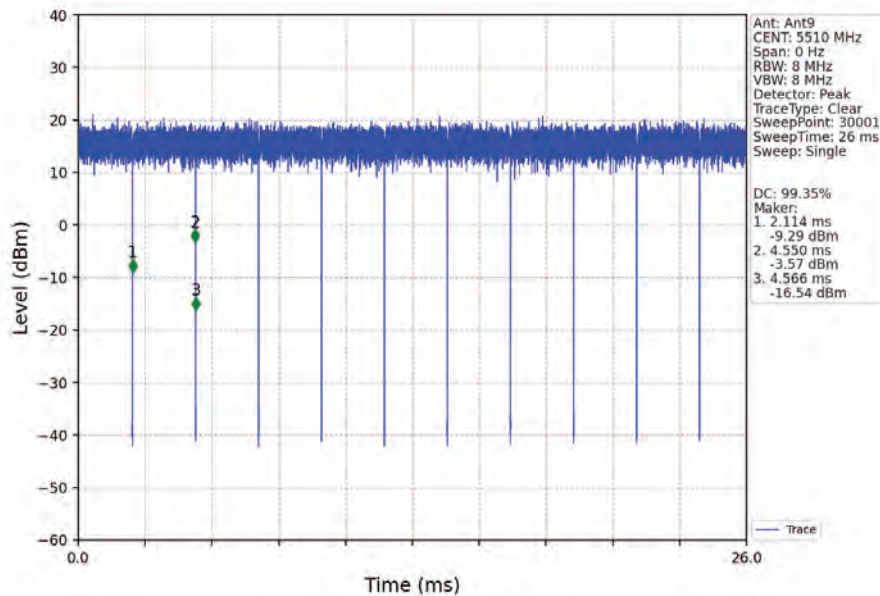
802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant9_NTNV



802.11ax(HEW40)_HCH_5310MHz_RU484_Left_Ant9_NTNV



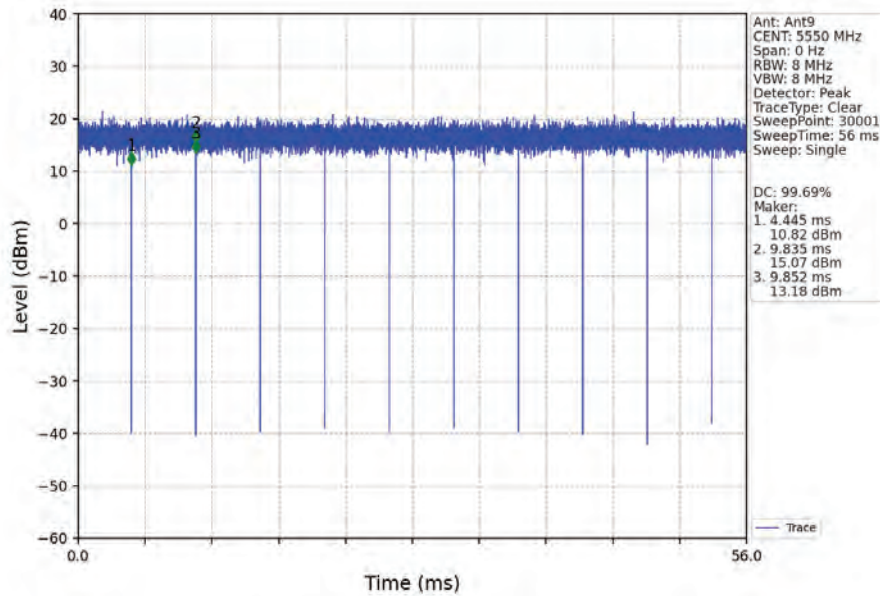
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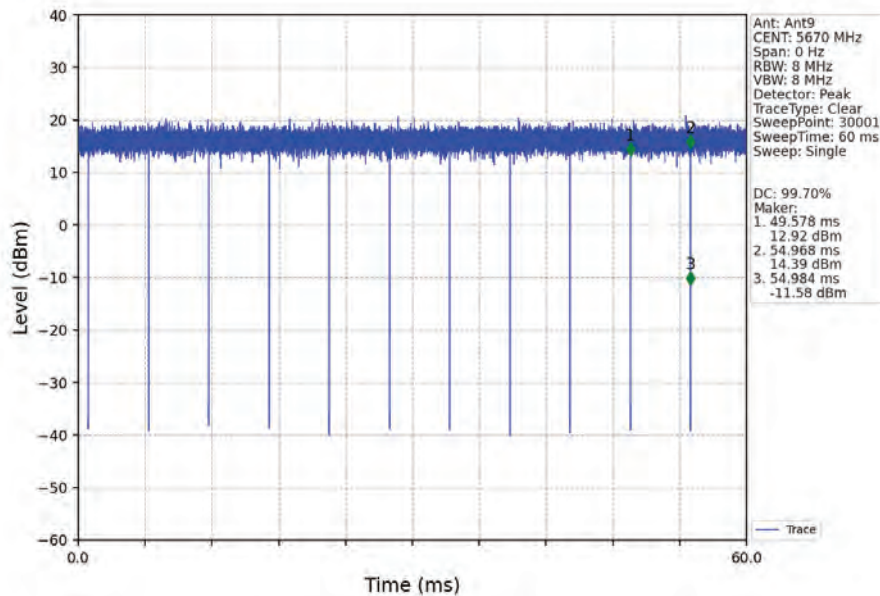
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802.11ax(HEW40)_MCH_5550MHz_RU484_Left_Ant9_NTNV



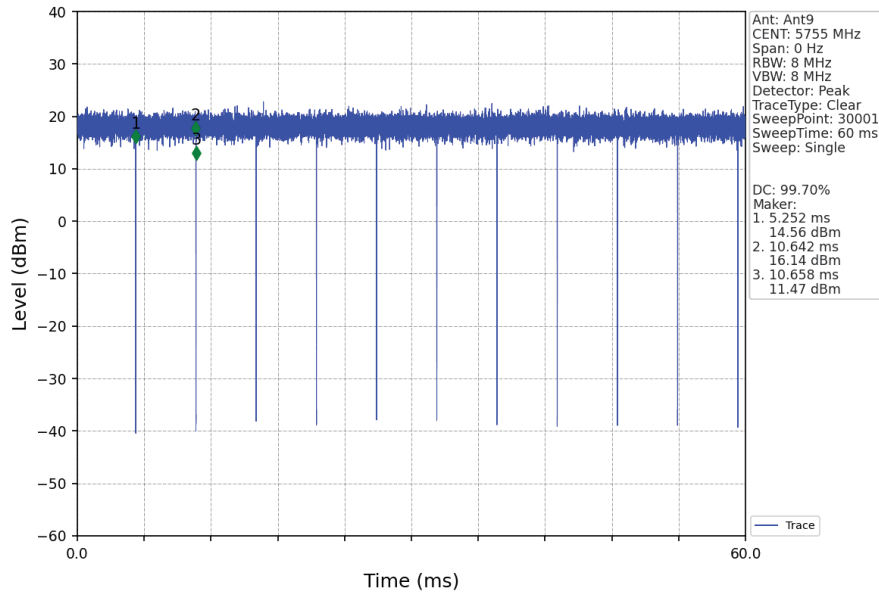
802.11ax(HEW40)_HCH_5670MHz_RU484_Left_Ant9_NTNV



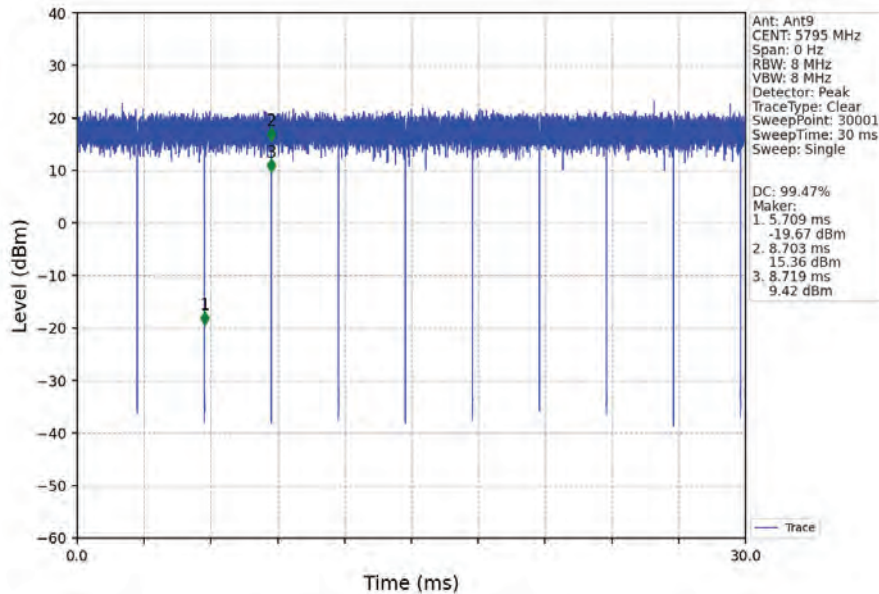
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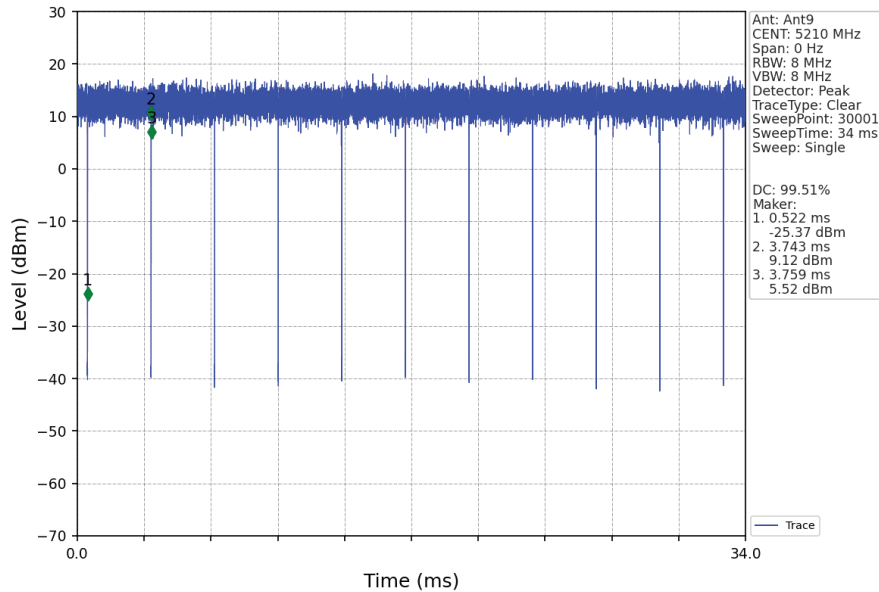
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant9_NTNV



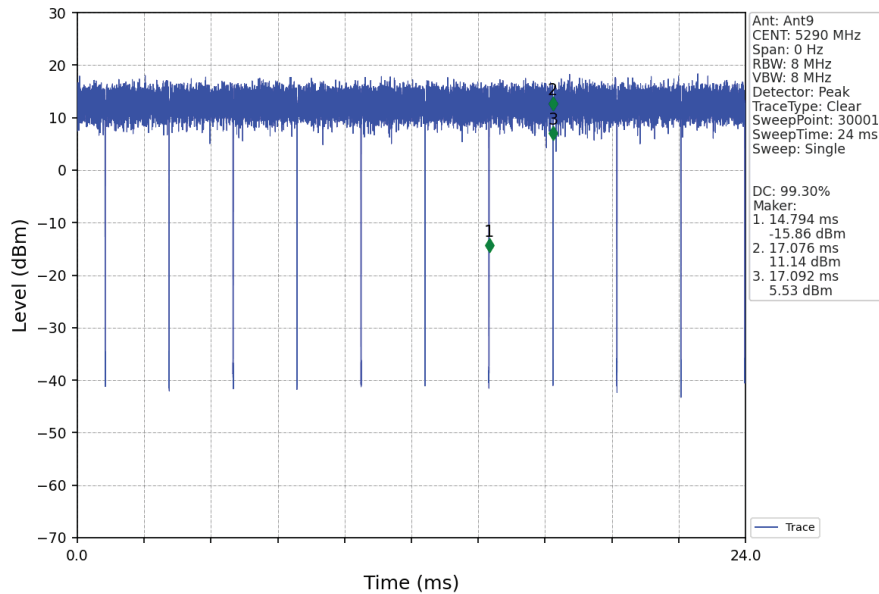
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant9_NTNV



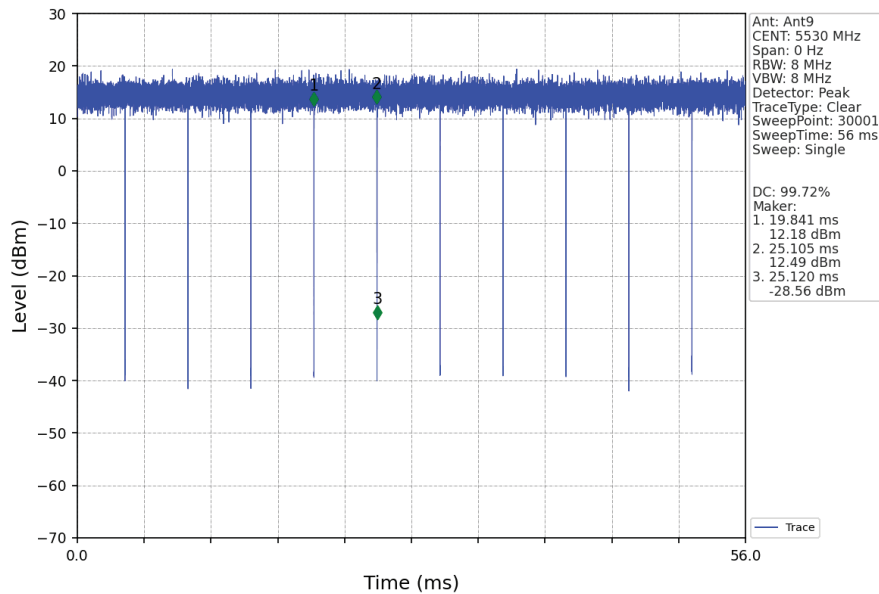
802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant9_NTNV



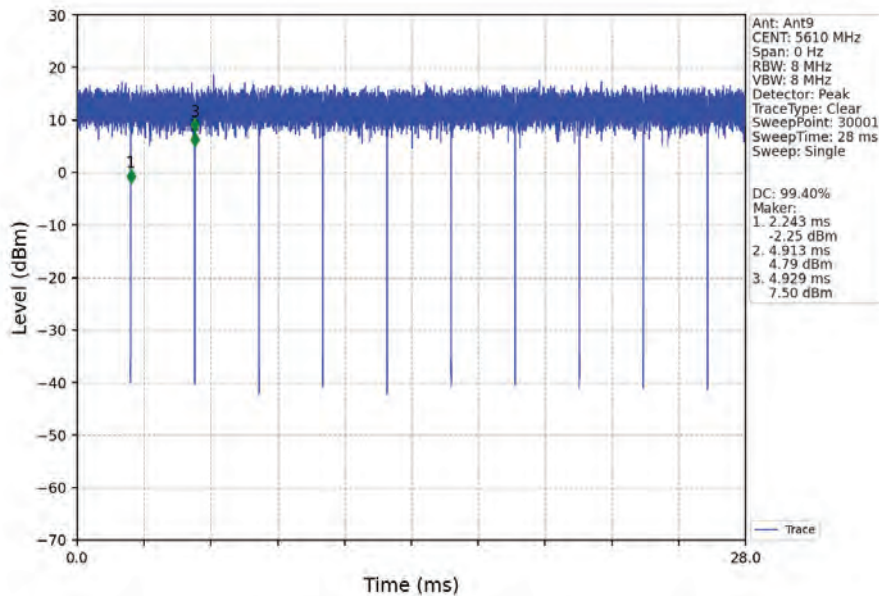
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802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant9_NTNV



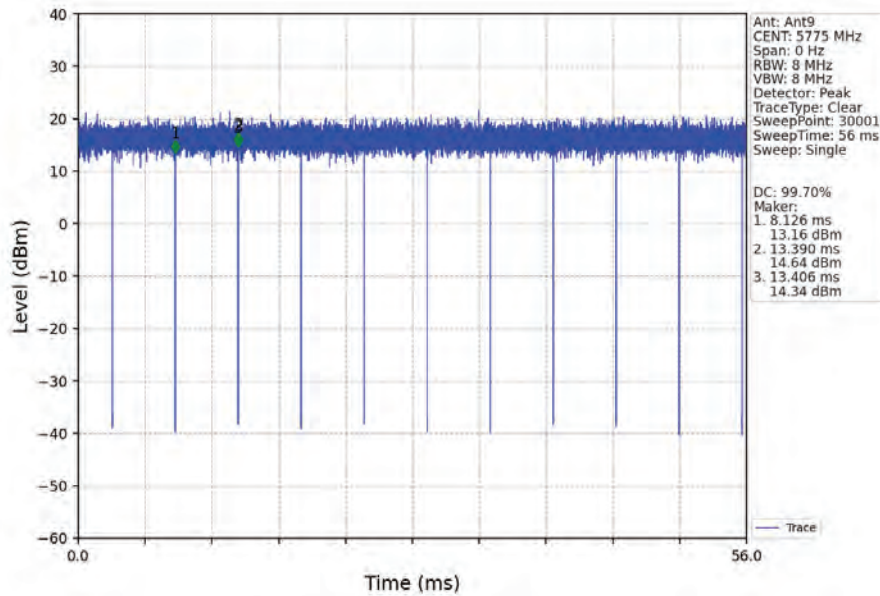
802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant9_NTNV



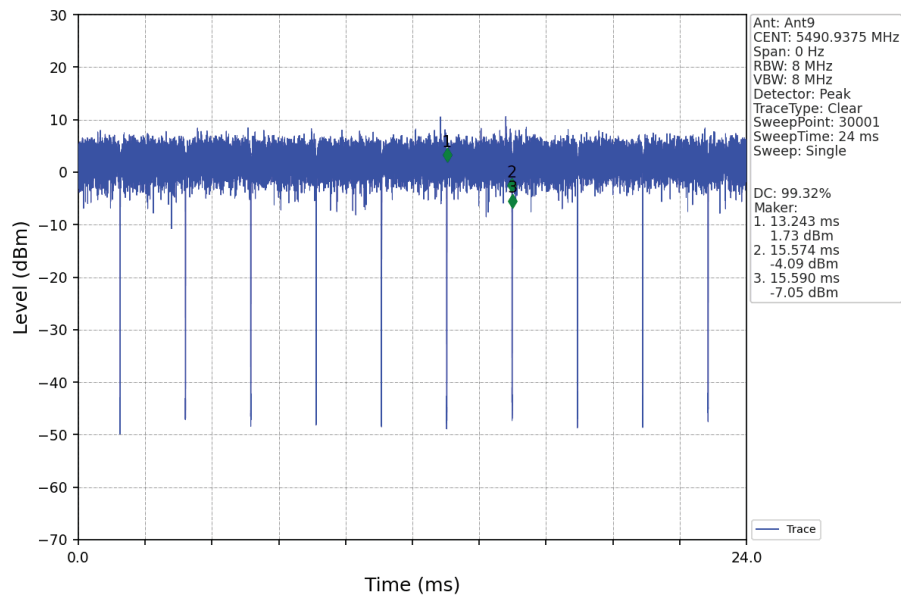
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802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant9_NTNV



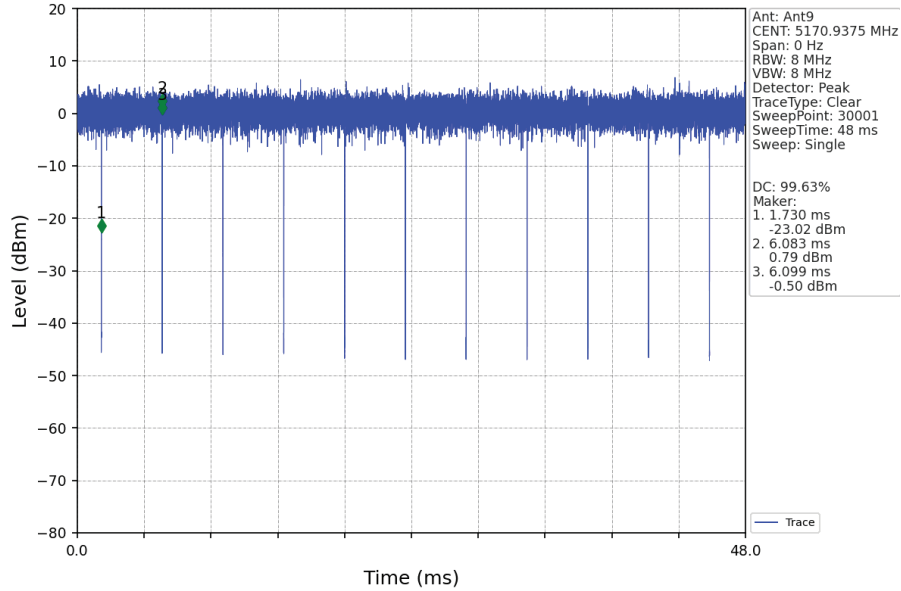
802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant9_NTNV



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802.11ax(HEW160)_MCH_5250MHz_2xRU996_Left_Ant9_NTNV



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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	MIMO	5180	/	/	9	16.565	/	Pass
		5200	/	/	9	16.543	/	Pass
		5240	/	/	9	16.558	/	Pass
		5260	/	/	9	16.569	/	Pass
		5300	/	/	9	16.561	/	Pass
		5320	/	/	9	16.529	/	Pass
		5500	/	/	9	16.598	/	Pass
		5580	/	/	9	16.646	/	Pass
		5700	/	/	9	16.686	/	Pass
		5745	/	/	9	17.759	/	Pass
		5785	/	/	9	16.731	/	Pass
		5825	/	/	9	16.678	/	Pass
802.11n (HT20)	MIMO	5180	/	/	9	17.737	/	Pass
		5200	/	/	9	17.703	/	Pass
		5240	/	/	9	17.775	/	Pass
		5260	/	/	9	17.745	/	Pass
		5300	/	/	9	17.751	/	Pass
		5320	/	/	9	17.755	/	Pass
		5500	/	/	9	17.711	/	Pass
		5580	/	/	9	17.705	/	Pass
		5700	/	/	9	17.694	/	Pass
		5745	/	/	9	17.707	/	Pass
		5785	/	/	9	17.731	/	Pass
		5825	/	/	9	17.744	/	Pass
802.11n (HT40)	MIMO	5190	/	/	9	36.163	/	Pass
		5230	/	/	9	36.107	/	Pass
		5270	/	/	9	36.094	/	Pass
		5310	/	/	9	36.135	/	Pass
		5510	/	/	9	36.154	/	Pass
		5550	/	/	9	36.088	/	Pass
		5670	/	/	9	36.084	/	Pass

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		5755	/	/	9	36.352	/	Pass
		5795	/	/	9	36.231	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	9	17.728	/	Pass
		5200	/	/	9	17.779	/	Pass
		5240	/	/	9	17.788	/	Pass
		5260	/	/	9	17.726	/	Pass
		5300	/	/	9	17.772	/	Pass
		5320	/	/	9	17.758	/	Pass
		5500	/	/	9	17.716	/	Pass
		5580	/	/	9	17.722	/	Pass
		5700	/	/	9	17.669	/	Pass
		5745	/	/	9	17.729	/	Pass
		5785	/	/	9	17.736	/	Pass
		5825	/	/	9	17.771	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	9	36.089	/	Pass
		5230	/	/	9	36.071	/	Pass
		5270	/	/	9	36.057	/	Pass
		5310	/	/	9	36.106	/	Pass
		5510	/	/	9	36.097	/	Pass
		5550	/	/	9	36.103	/	Pass
		5670	/	/	9	36.106	/	Pass
		5755	/	/	9	36.275	/	Pass
		5795	/	/	9	36.403	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	9	75.460	/	Pass
		5290	/	/	9	75.175	/	Pass
		5530	/	/	9	75.280	/	Pass
		5610	/	/	9	75.683	/	Pass
		5775	/	/	9	75.860	/	Pass
802.11ac (VHT160)	MIMO	5570	/	/	9	154.551	/	Pass
		5250	/	/	9	154.406	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	9	18.968	/	Pass
		5200	RU242	Left	9	19.019	/	Pass
		5240	RU242	Left	9	19.053	/	Pass
		5260	RU242	Left	9	18.980	/	Pass
		5300	RU242	Left	9	19.043	/	Pass
		5320	RU242	Left	9	19.033	/	Pass
		5500	RU242	Left	9	18.992	/	Pass
		5580	RU242	Left	9	18.985	/	Pass
		5700	RU242	Left	9	18.990	/	Pass
		5745	RU242	Left	9	18.959	/	Pass



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		5785	RU242	Left	9	19.033	/	Pass
		5825	RU242	Left	9	19.040	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	9	37.883	/	Pass
		5230	RU484	Left	9	37.839	/	Pass
		5270	RU484	Left	9	37.832	/	Pass
		5310	RU484	Left	9	37.741	/	Pass
		5510	RU484	Left	9	37.773	/	Pass
		5550	RU484	Left	9	37.753	/	Pass
		5670	RU484	Left	9	37.827	/	Pass
		5755	RU484	Left	9	37.904	/	Pass
		5795	RU484	Left	9	37.892	/	Pass
		5210	RU996	Left	9	77.048	/	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	9	76.750	/	Pass
		5530	RU996	Left	9	77.336	/	Pass
		5610	RU996	Left	9	76.914	/	Pass
		5775	RU996	Left	9	77.166	/	Pass
		5570	2xRU996	Left	9	155.618	/	Pass
802.11ax (HEW160)	MIMO	5250	2xRU996	Left	9	155.745	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	MIMO	5180	/	/	9	19.181	/	Pass
		5200	/	/	9	18.496	/	Pass
		5240	/	/	9	18.425	/	Pass
		5260	/	/	9	18.335	/	Pass
		5300	/	/	9	18.502	/	Pass
		5320	/	/	9	18.476	/	Pass
		5500	/	/	9	19.679	/	Pass
		5580	/	/	9	18.754	/	Pass
		5700	/	/	9	18.635	/	Pass
802.11n (HT20)	MIMO	5180	/	/	9	19.734	/	Pass
		5200	/	/	9	19.553	/	Pass
		5240	/	/	9	20.153	/	Pass
		5260	/	/	9	19.776	/	Pass
		5300	/	/	9	19.939	/	Pass
		5320	/	/	9	20.231	/	Pass
		5500	/	/	9	19.838	/	Pass
		5580	/	/	9	19.822	/	Pass



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		5700	/	/	9	19.430	/	Pass
802.11n (HT40)	MIMO	5190	/	/	9	39.764	/	Pass
		5230	/	/	9	39.152	/	Pass
		5270	/	/	9	39.399	/	Pass
		5310	/	/	9	39.295	/	Pass
		5510	/	/	9	39.371	/	Pass
		5550	/	/	9	40.340	/	Pass
		5670	/	/	9	39.251	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	9	19.537	/	Pass
		5200	/	/	9	19.578	/	Pass
		5240	/	/	9	19.625	/	Pass
		5260	/	/	9	19.686	/	Pass
		5300	/	/	9	19.582	/	Pass
		5320	/	/	9	20.295	/	Pass
		5500	/	/	9	19.625	/	Pass
		5580	/	/	9	19.610	/	Pass
		5700	/	/	9	19.517	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	9	39.607	/	Pass
		5230	/	/	9	39.567	/	Pass
		5270	/	/	9	39.526	/	Pass
		5310	/	/	9	39.757	/	Pass
		5510	/	/	9	39.554	/	Pass
		5550	/	/	9	39.906	/	Pass
		5670	/	/	9	39.720	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	9	80.738	/	Pass
		5290	/	/	9	80.636	/	Pass
		5530	/	/	9	81.006	/	Pass
		5610	/	/	9	81.041	/	Pass
802.11ac (VHT160)	MIMO	5570	/	/	9	162.659	/	Pass
		5250	/	/	9	162.419	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	9	20.628	/	Pass
		5200	RU242	Left	9	20.404	/	Pass
		5240	RU242	Left	9	20.682	/	Pass
		5260	RU242	Left	9	20.750	/	Pass
		5300	RU242	Left	9	20.630	/	Pass
		5320	RU242	Left	9	20.425	/	Pass
		5500	RU242	Left	9	20.447	/	Pass
		5580	RU242	Left	9	24.837	/	Pass
		5700	RU242	Left	9	20.471	/	Pass
802.11ax	MIMO	5190	RU484	Left	9	39.936	/	Pass



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SZEMC-TRF-01 Rev. A/1

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(HEW40)		5230	RU484	Left	9	39.804	/	Pass
		5270	RU484	Left	9	39.916	/	Pass
		5310	RU484	Left	9	39.987	/	Pass
		5510	RU484	Left	9	39.796	/	Pass
		5550	RU484	Left	9	40.381	/	Pass
		5670	RU484	Left	9	40.093	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	9	81.529	/	Pass
		5290	RU996	Left	9	81.418	/	Pass
		5530	RU996	Left	9	81.533	/	Pass
		5610	RU996	Left	9	81.198	/	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	9	163.700	/	Pass
		5250	2xRU996	Left	9	163.389	/	Pass

2.1.3 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	MIMO	5745	/	/	9	15.944	>=0.5	Pass
		5785	/	/	9	12.540	>=0.5	Pass
		5825	/	/	9	13.990	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	9	17.540	>=0.5	Pass
		5785	/	/	9	16.514	>=0.5	Pass
		5825	/	/	9	17.592	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	9	35.057	>=0.5	Pass
		5795	/	/	9	35.296	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	9	11.304	>=0.5	Pass
		5785	/	/	9	13.192	>=0.5	Pass
		5825	/	/	9	17.189	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	9	35.126	>=0.5	Pass
		5795	/	/	9	31.584	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	9	40.109	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	9	17.915	>=0.5	Pass
		5785	RU242	Left	9	17.170	>=0.5	Pass
		5825	RU242	Left	9	17.657	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	9	35.582	>=0.5	Pass
		5795	RU484	Left	9	35.426	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	9	48.824	>=0.5	Pass



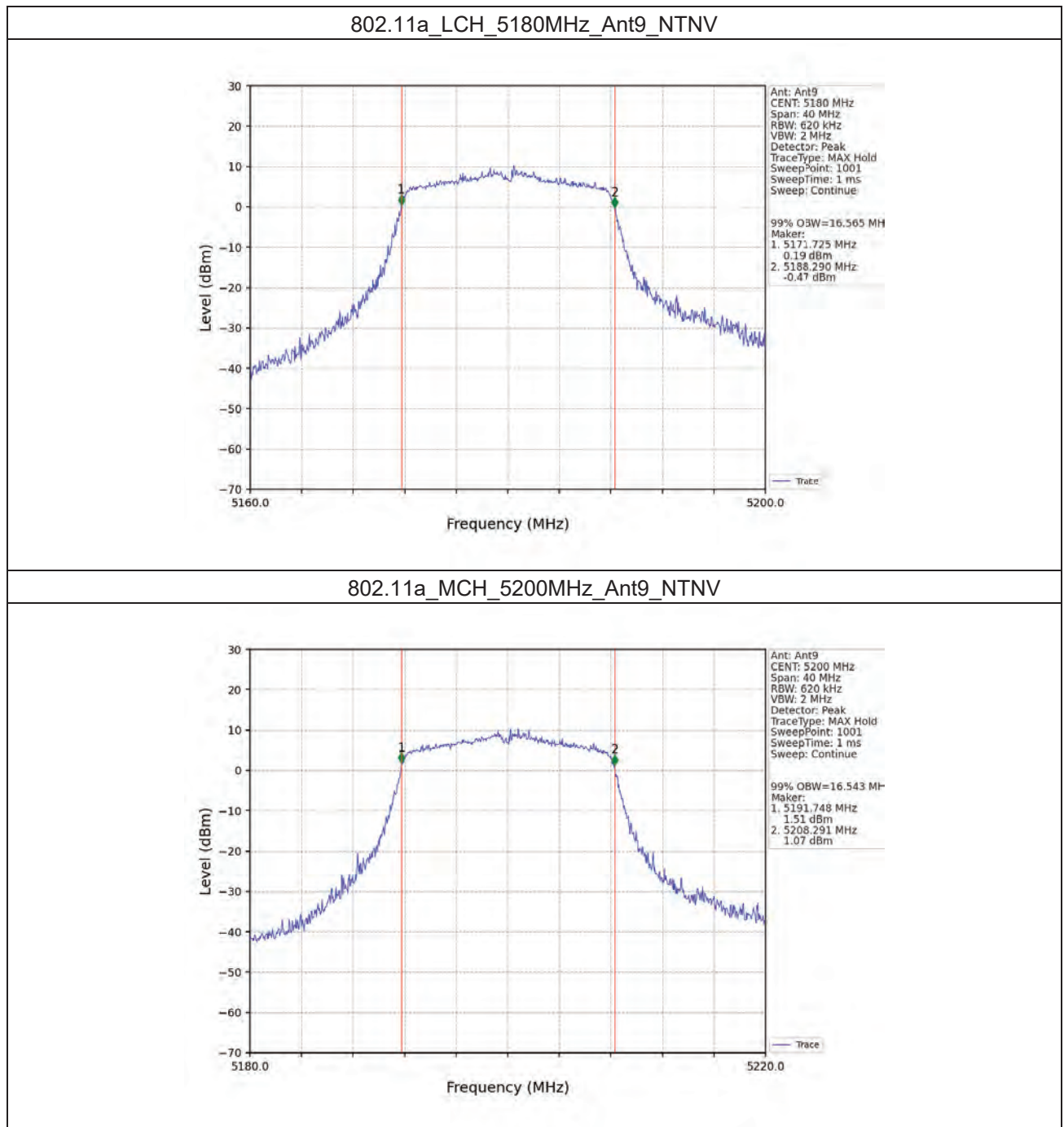
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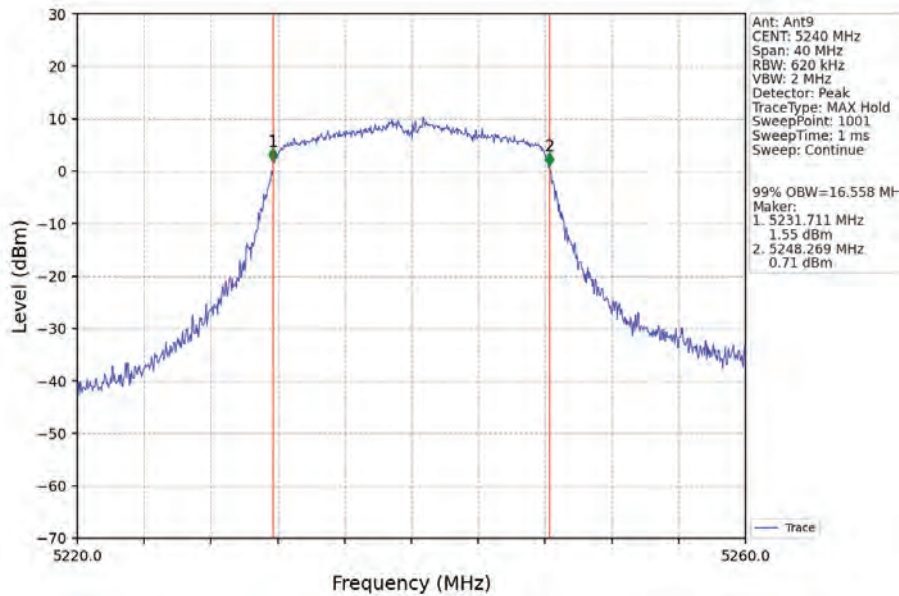
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2.2 Test Graph

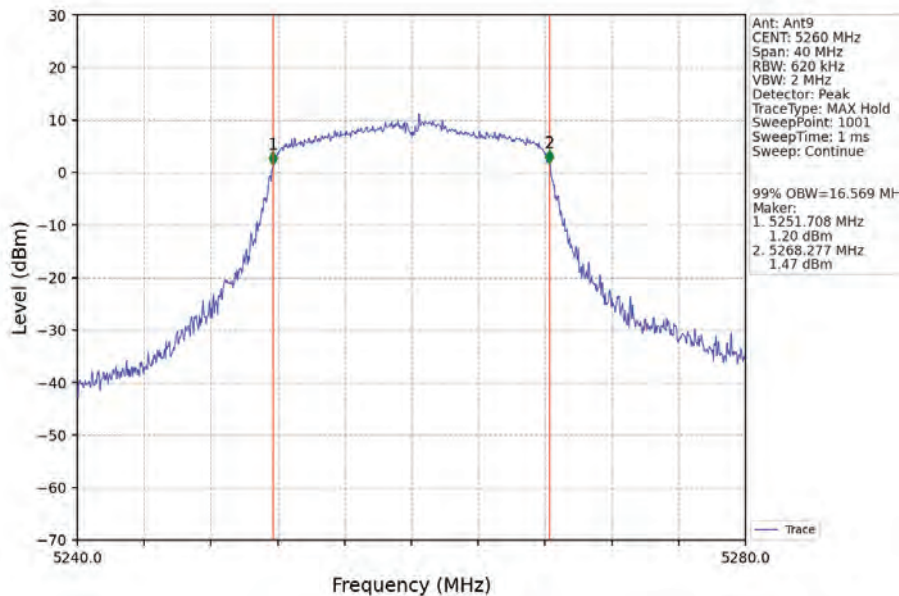
2.2.1 OBW



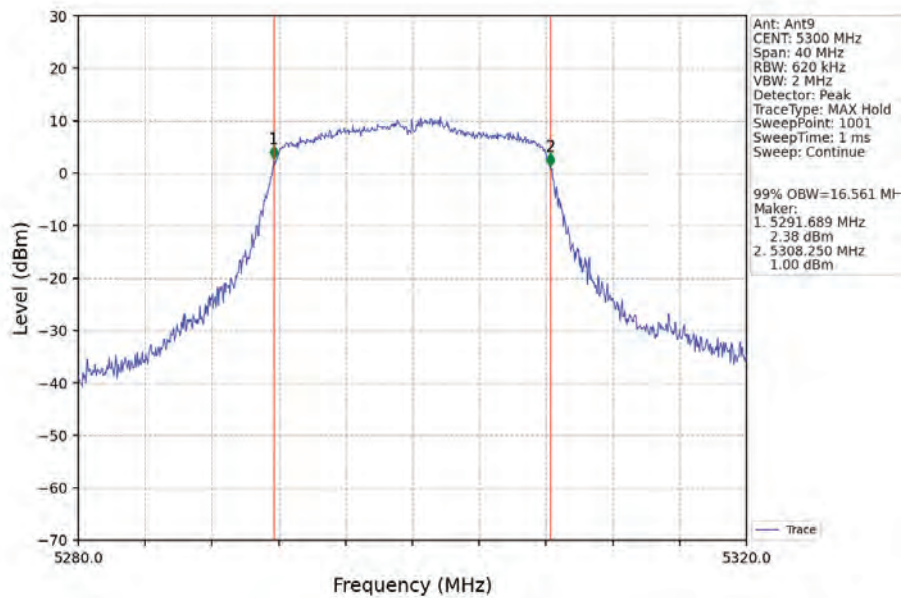
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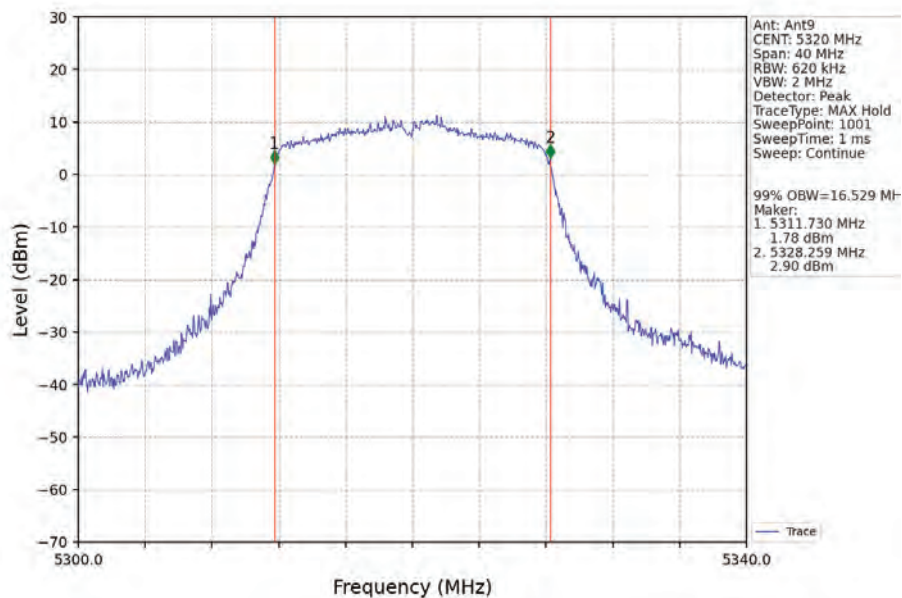
802.11a_LCH_5260MHz_Ant9_NTNV



802.11a_MCH_5300MHz_Ant9_NTNV



802.11a_HCH_5320MHz_Ant9_NTNV



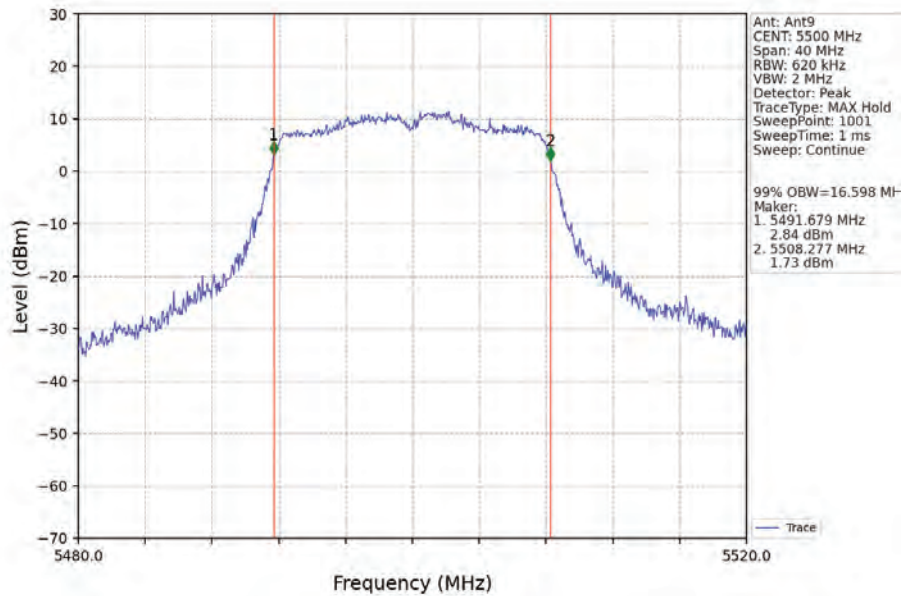
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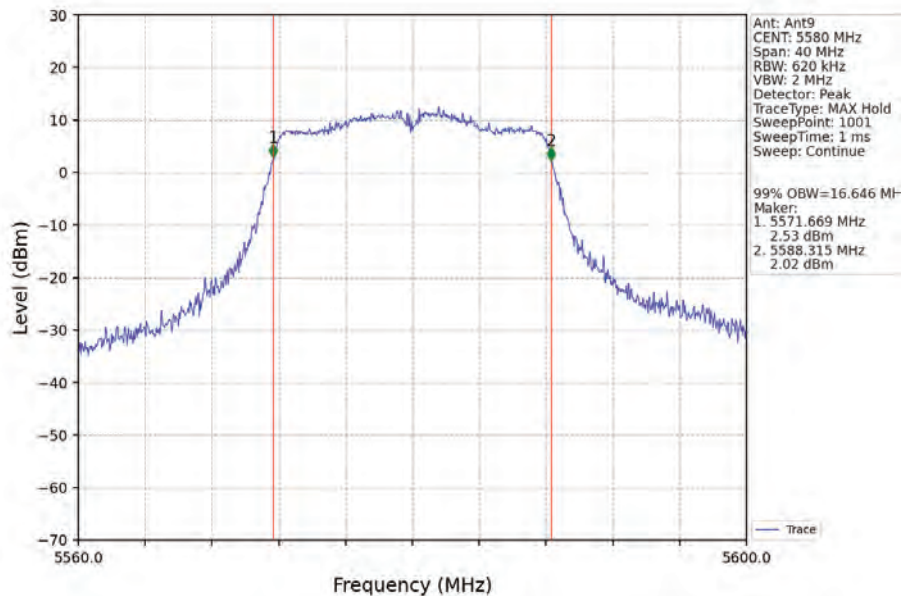
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802.11a_LCH_5500MHz_Ant9_NTNV



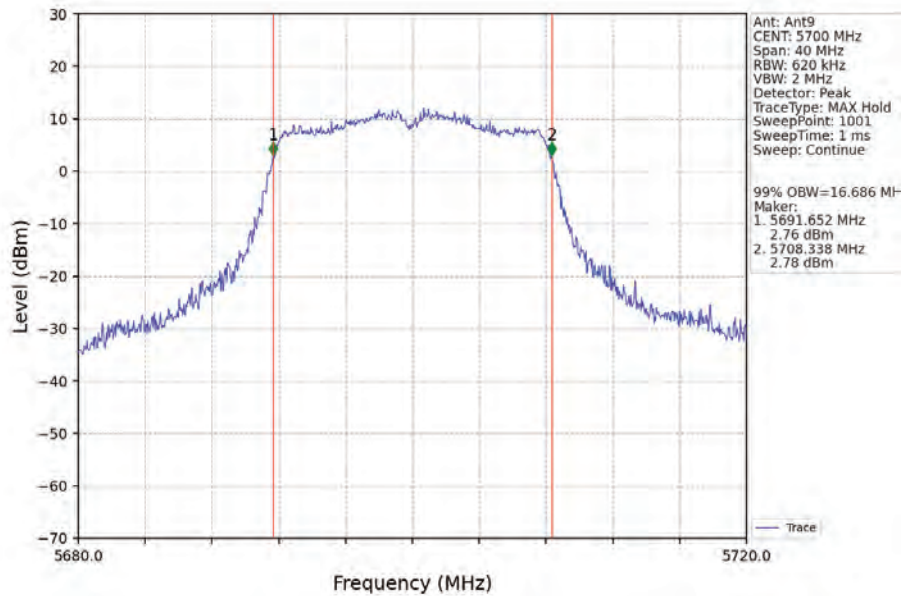
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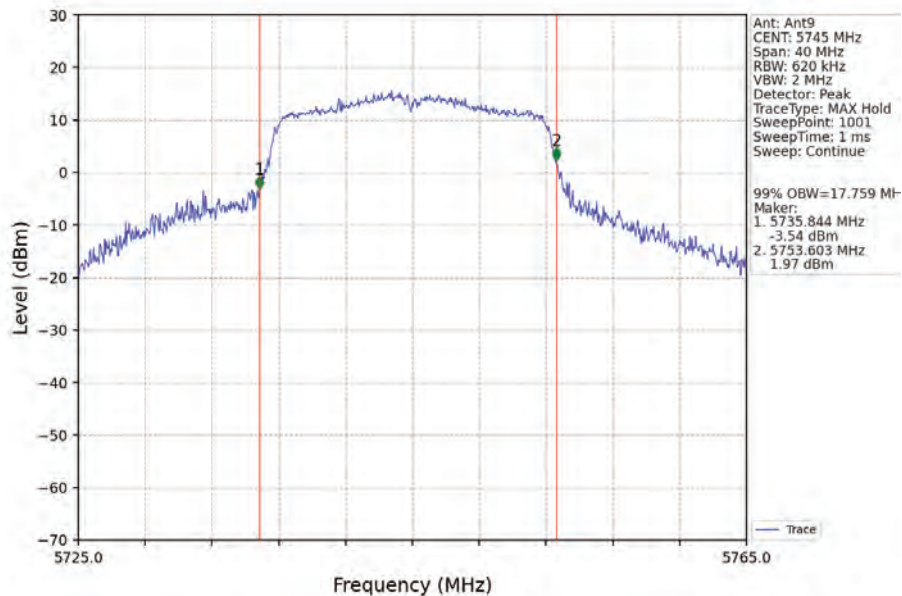
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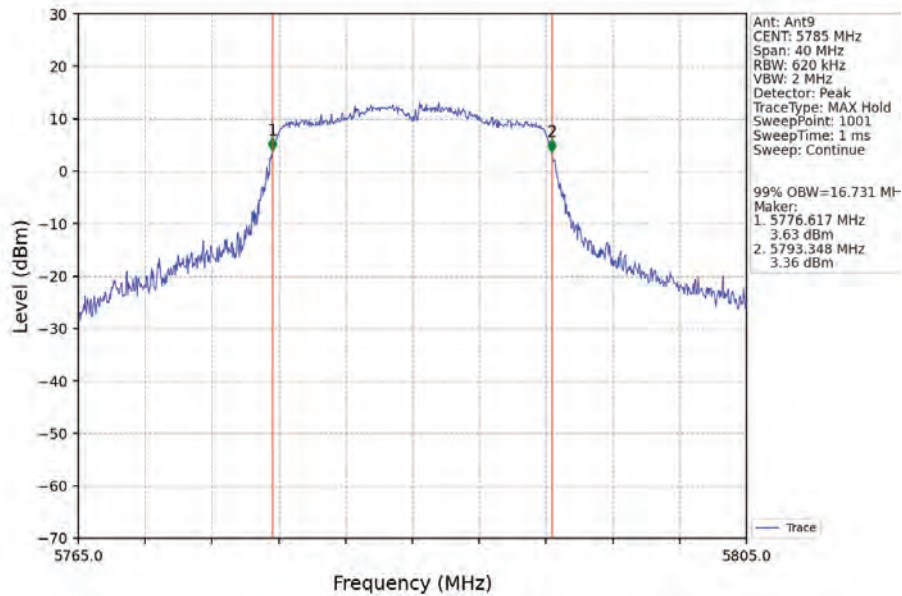
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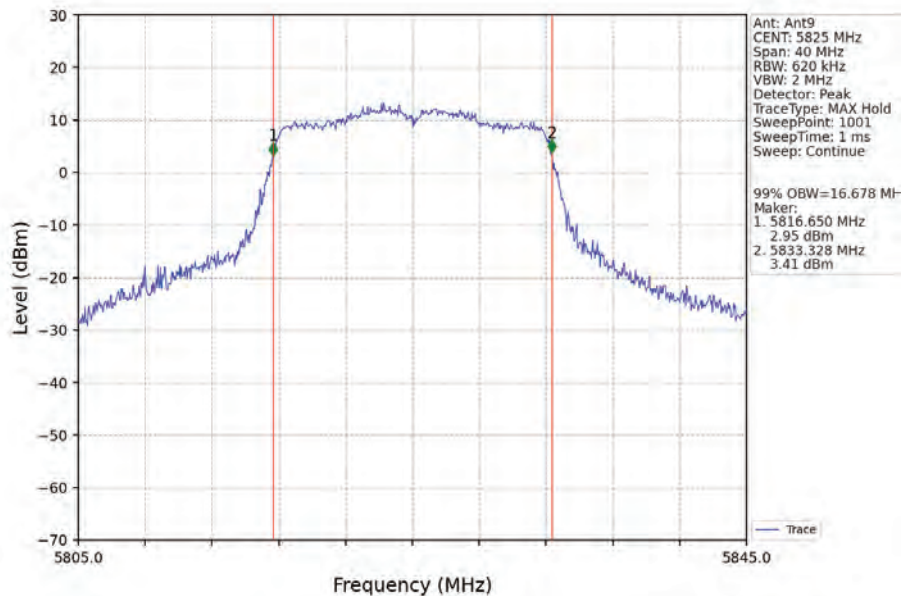
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802.11a_MCH_5785MHz_Ant9_NTNV



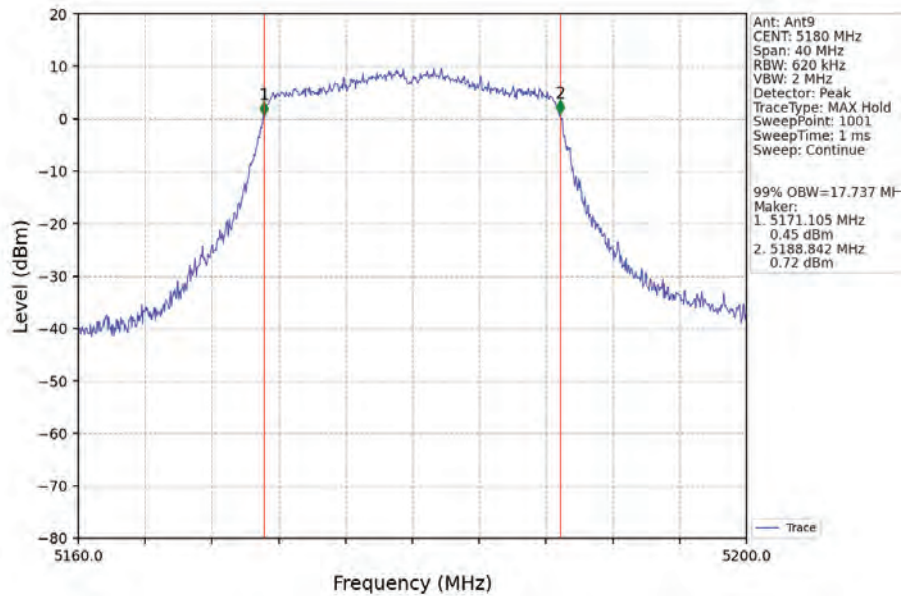
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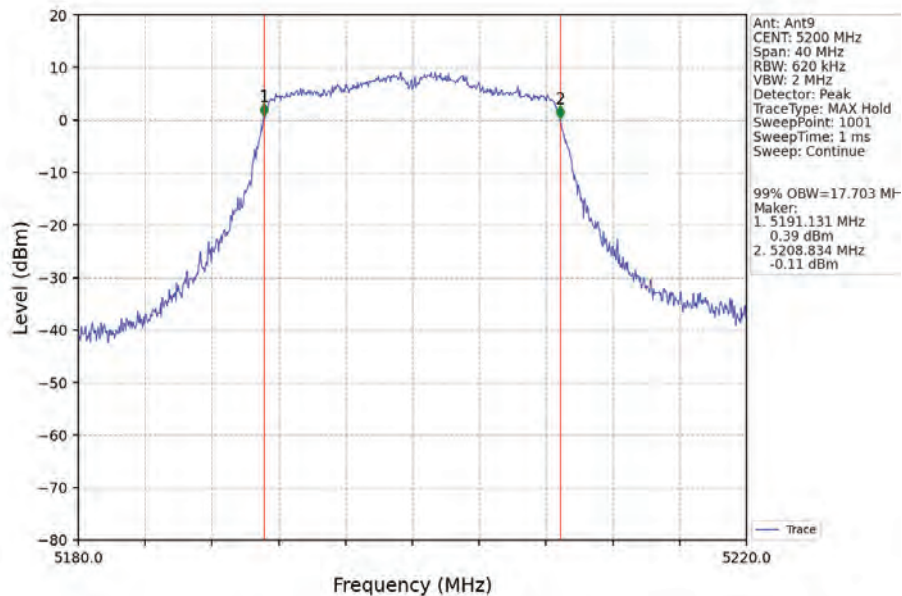
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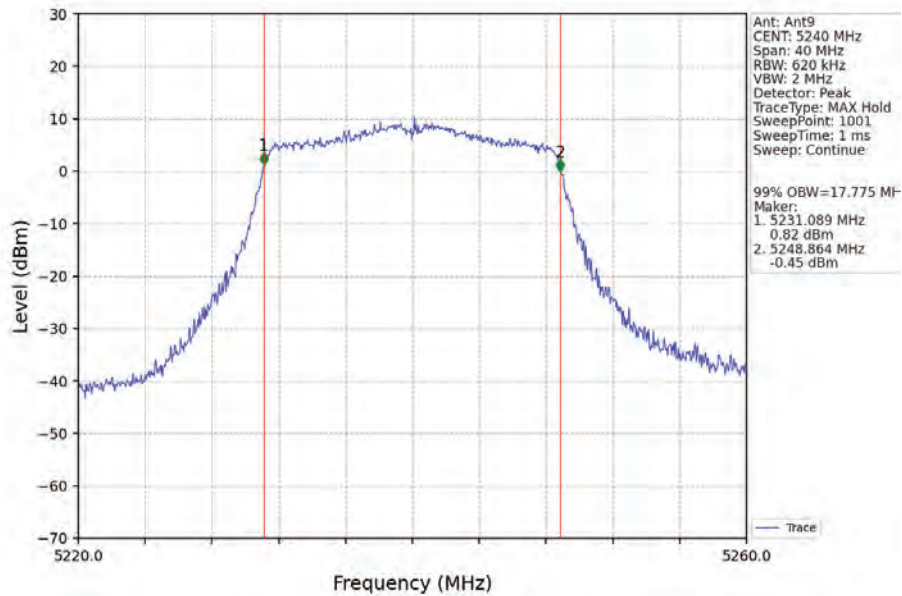
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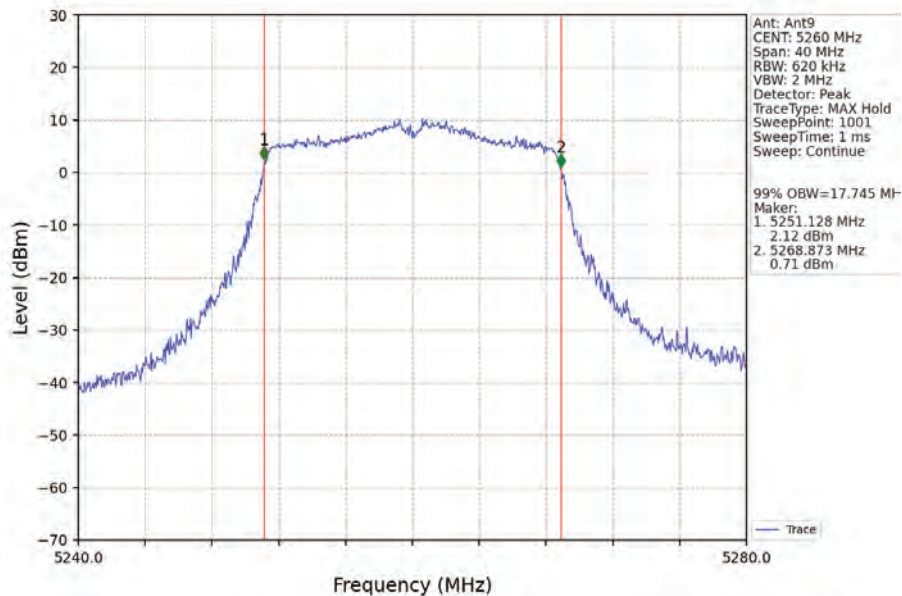
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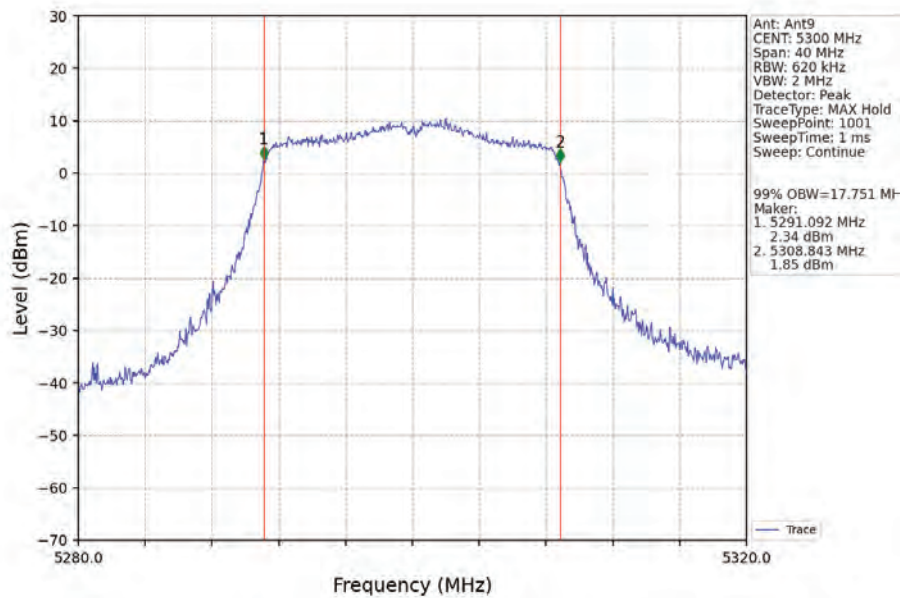
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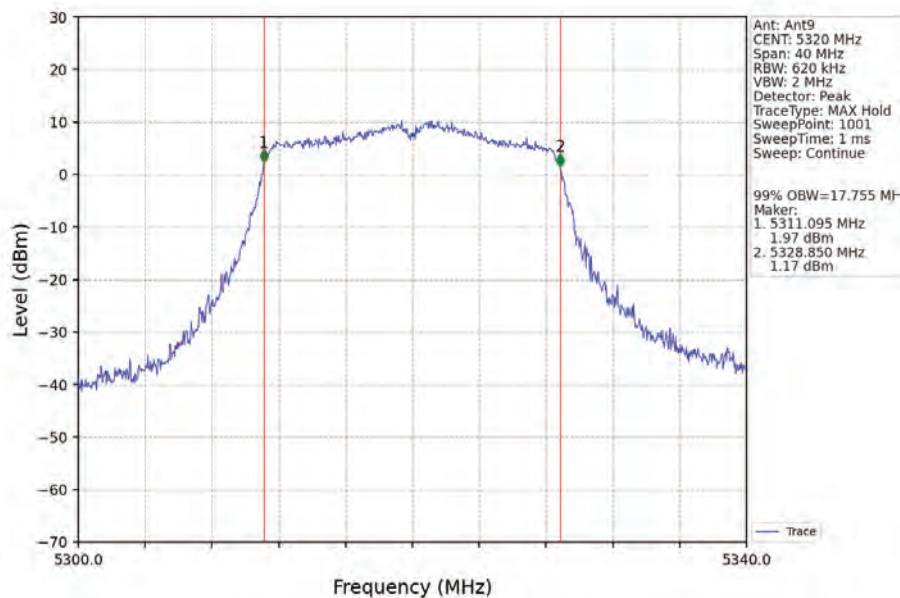
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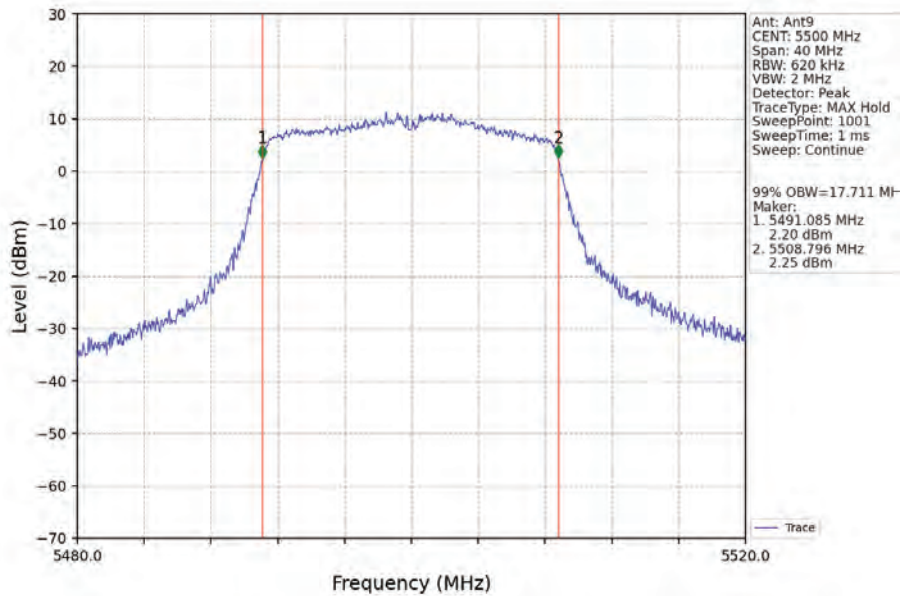
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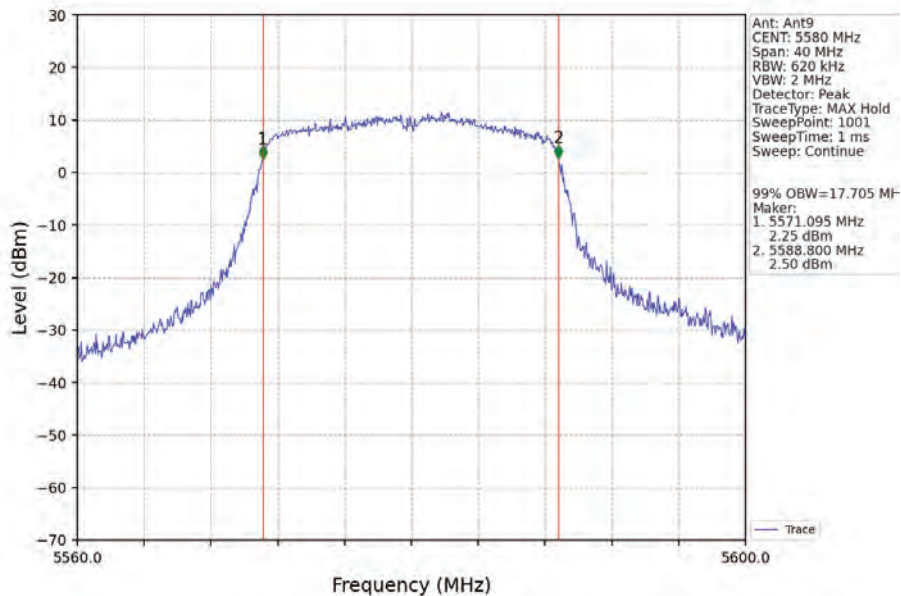
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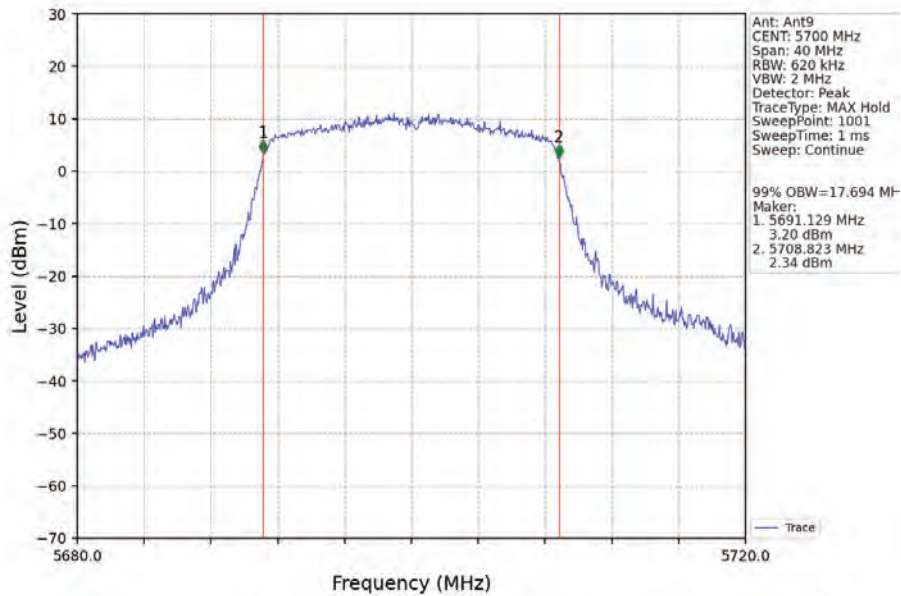
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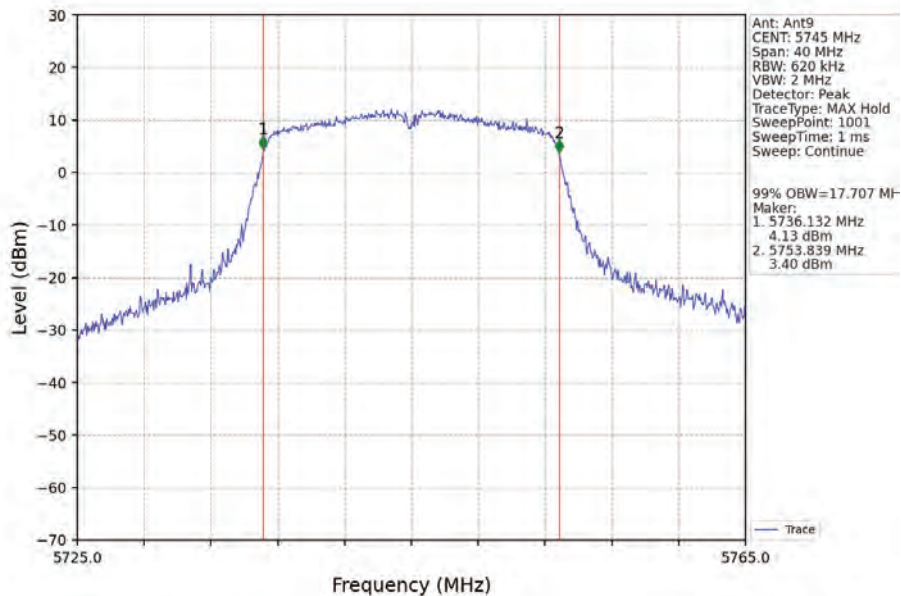
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802.11n(HT20)_HCH_5700MHz_Ant9_NTNV



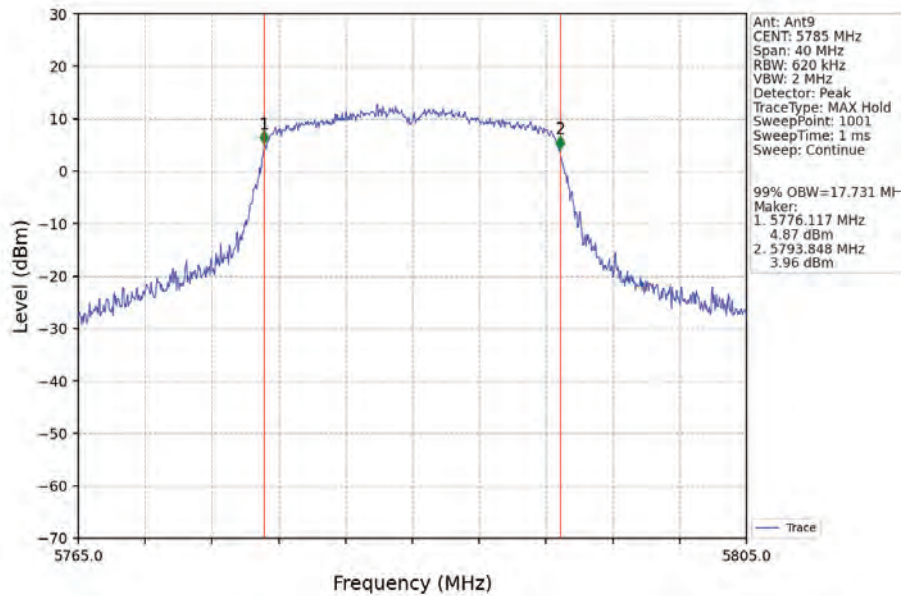
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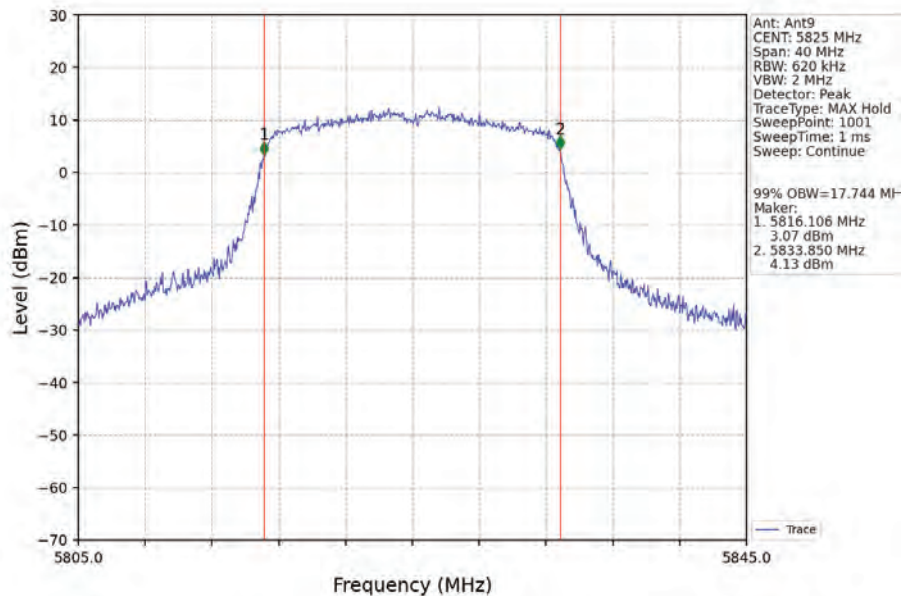
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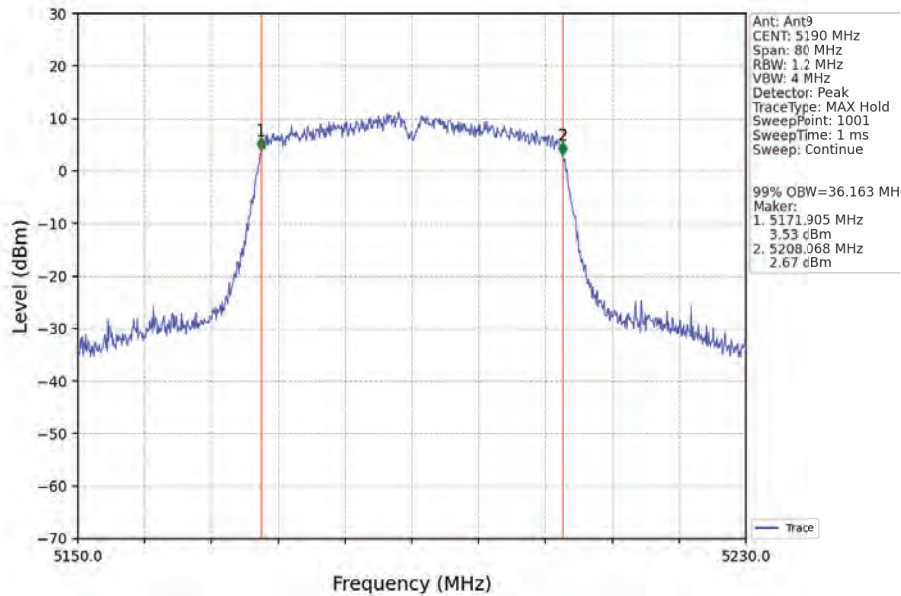
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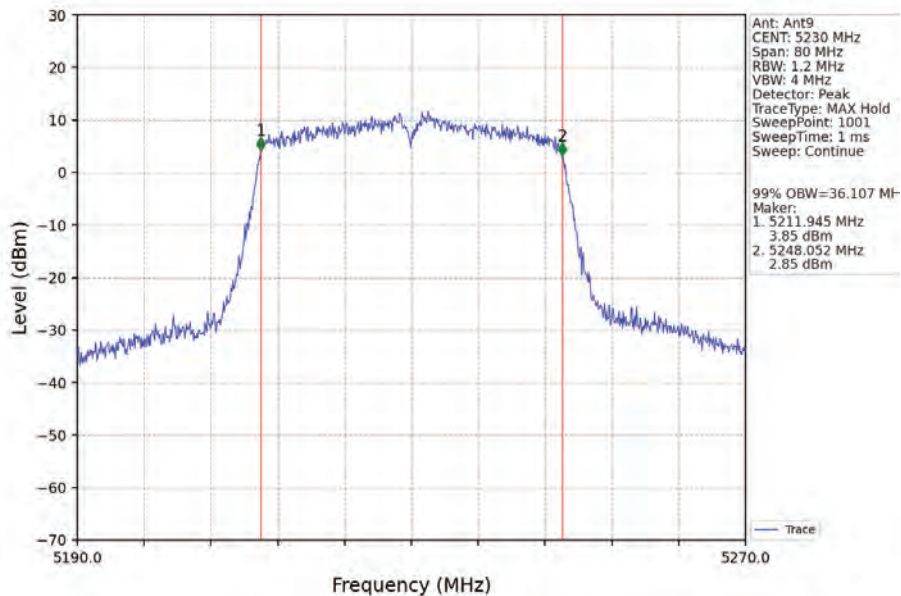
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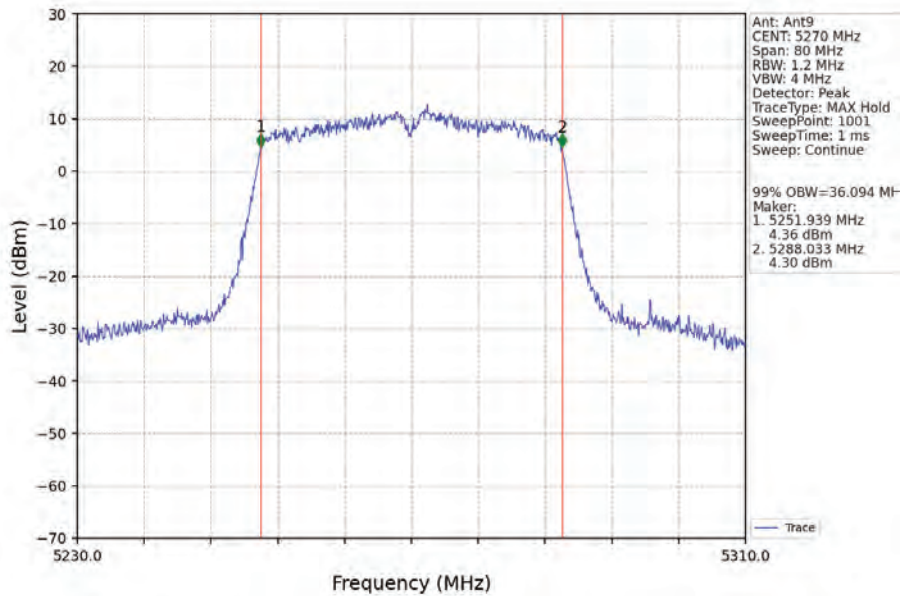
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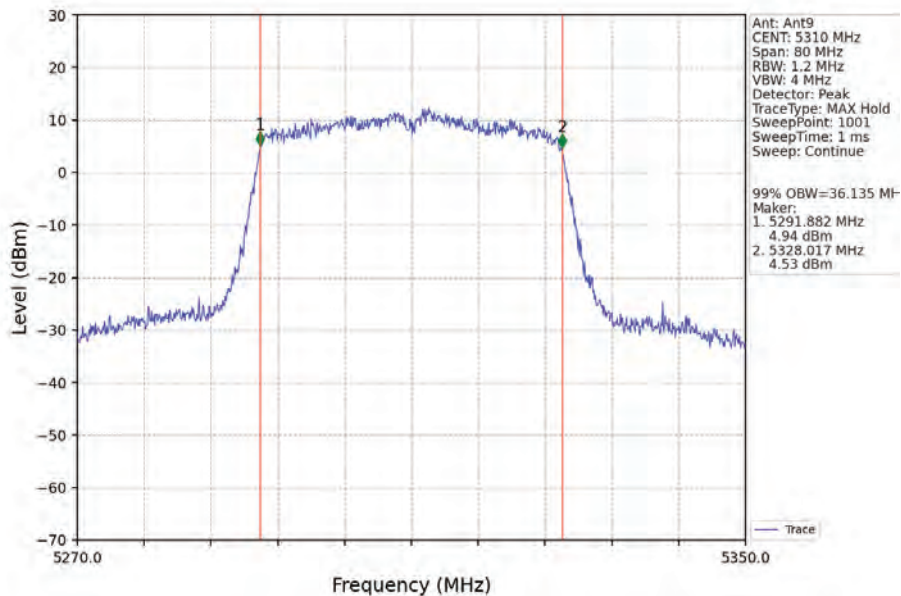
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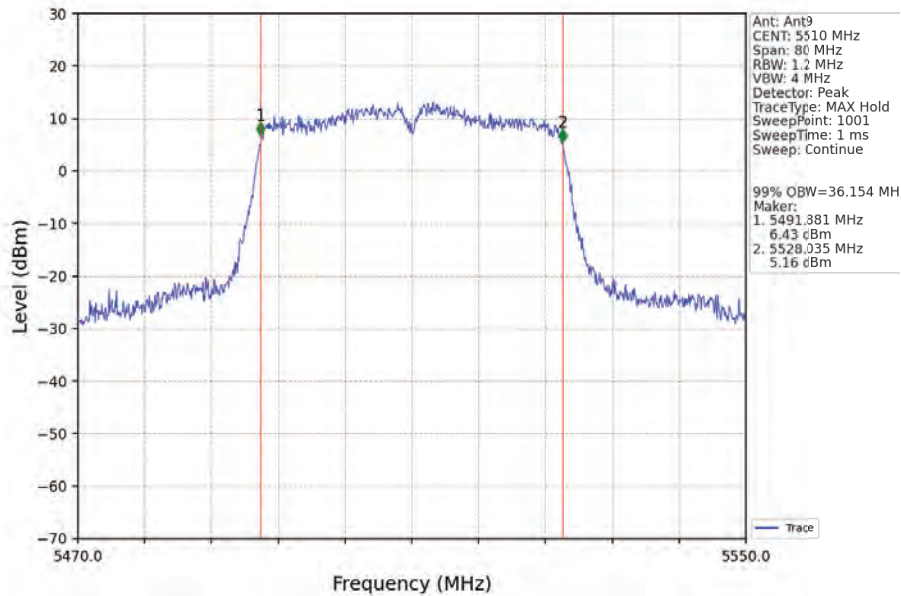
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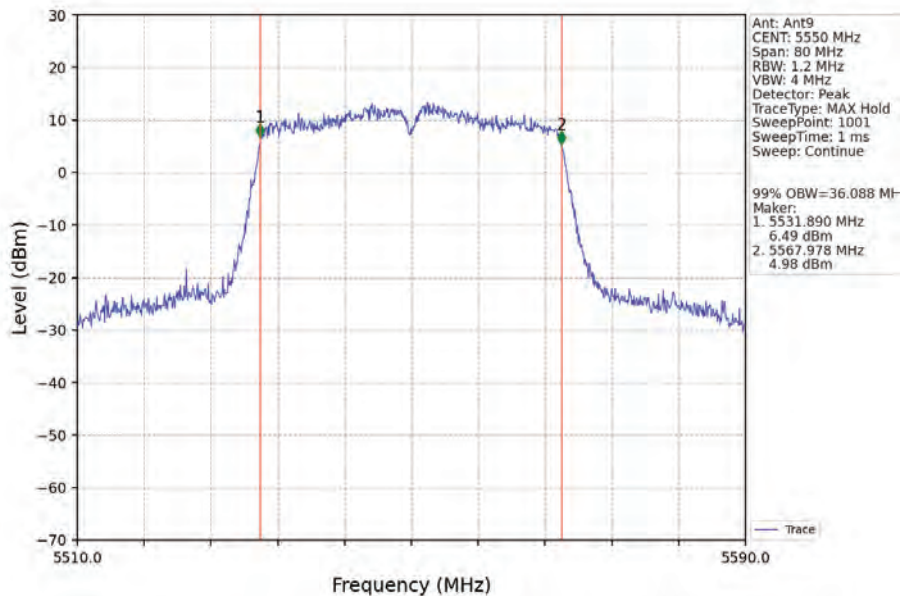
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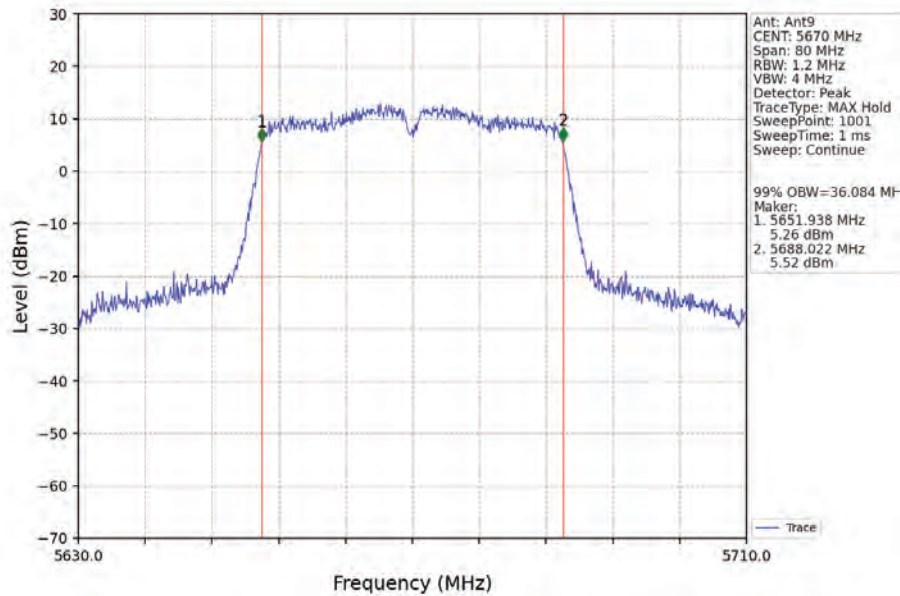
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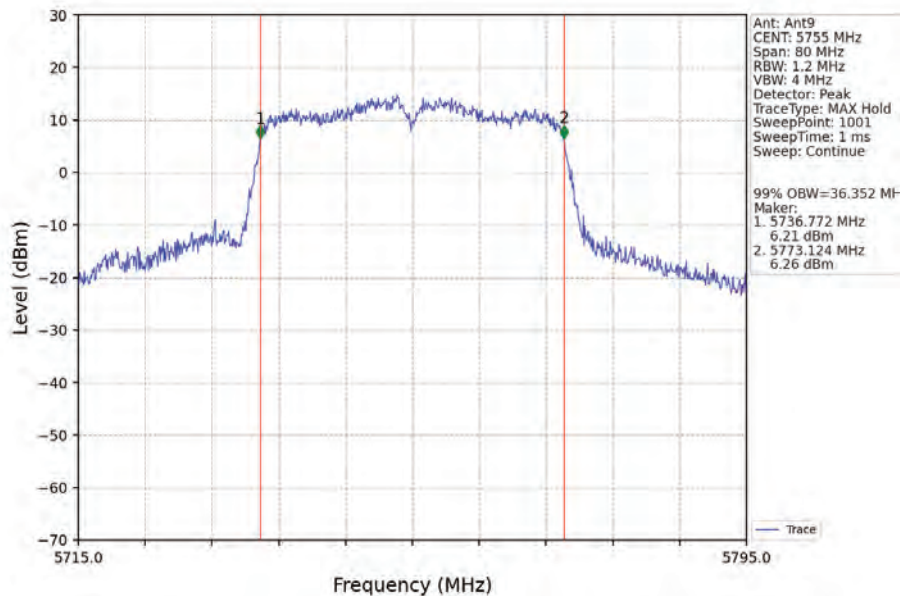
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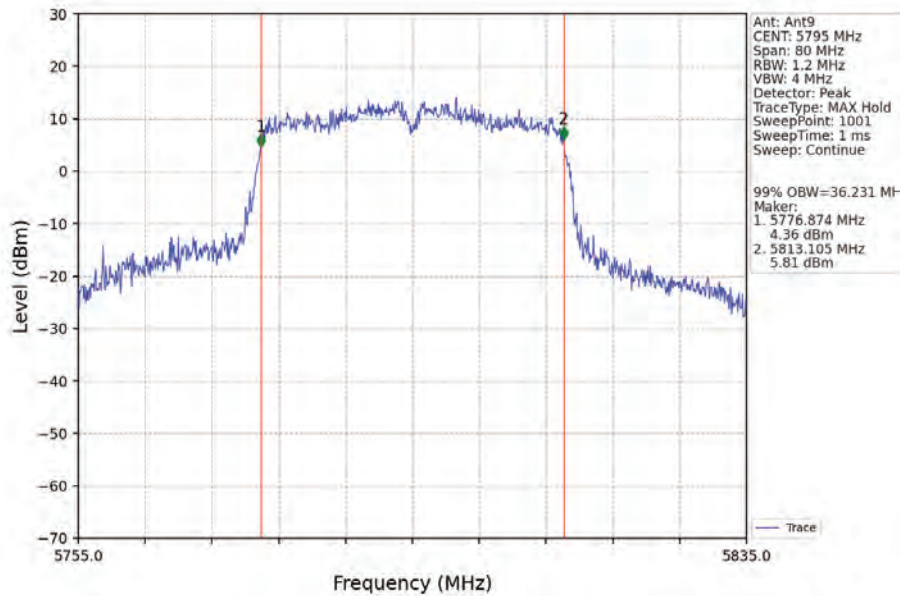
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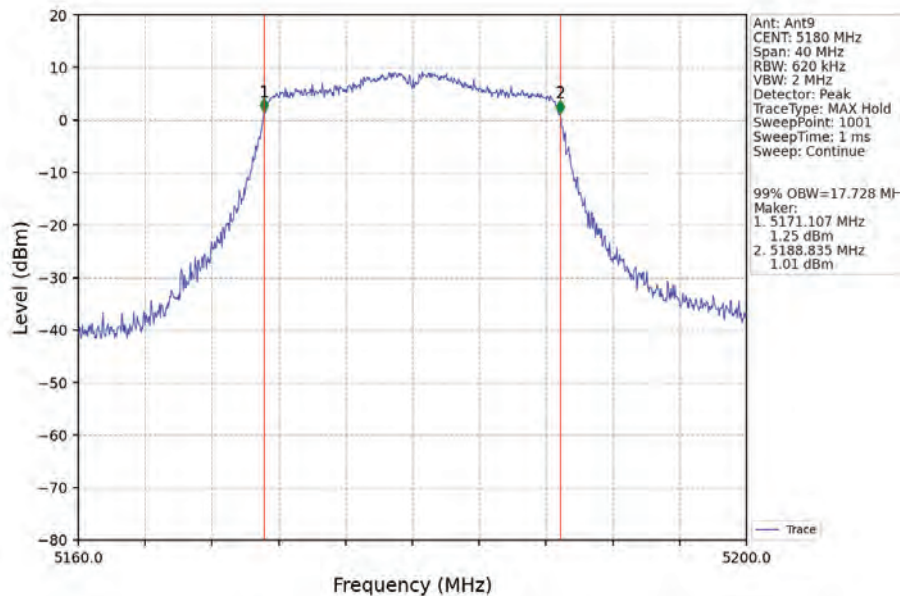
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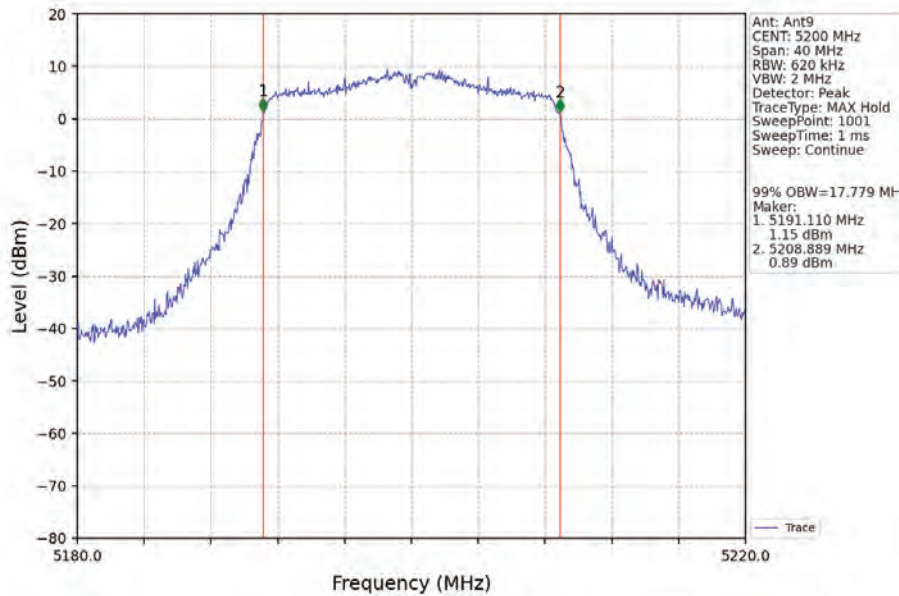
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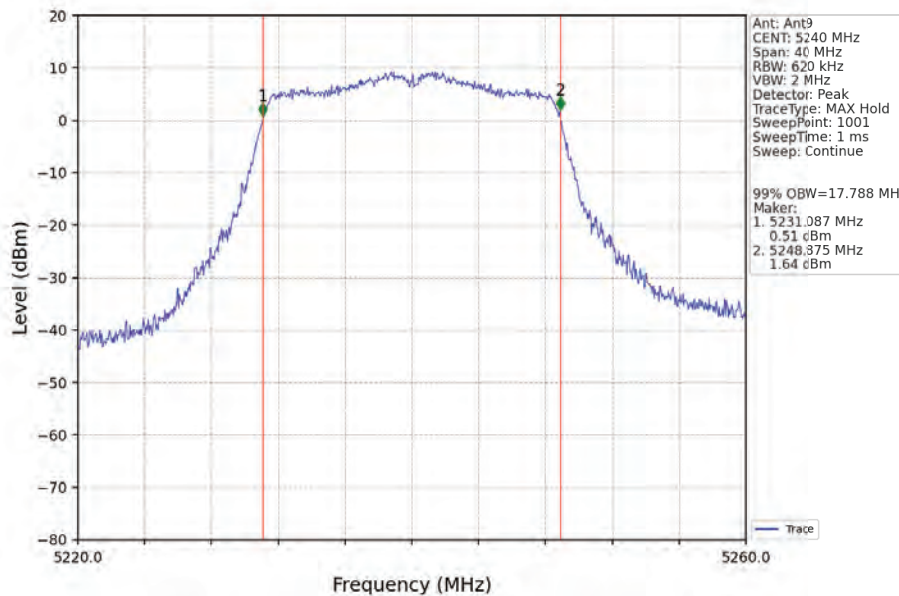
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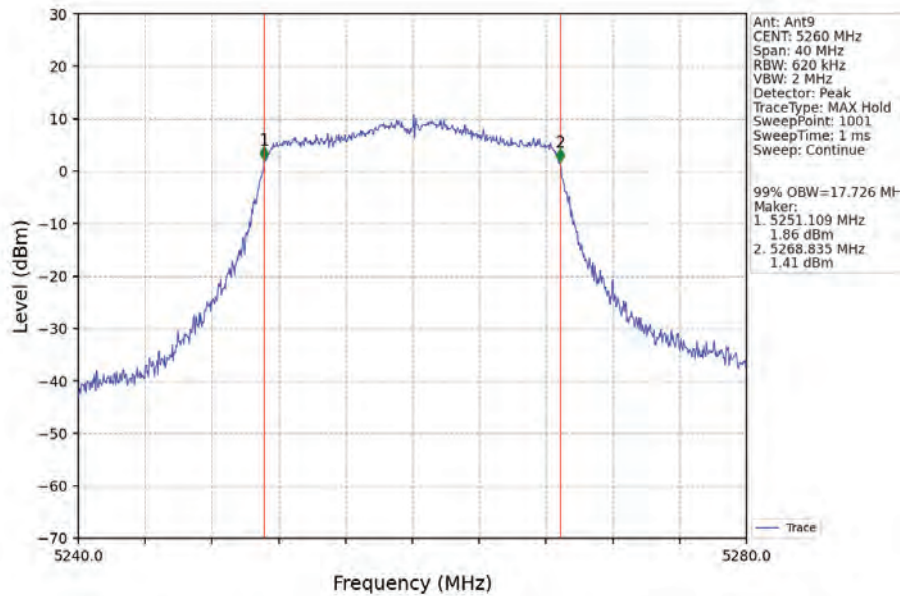
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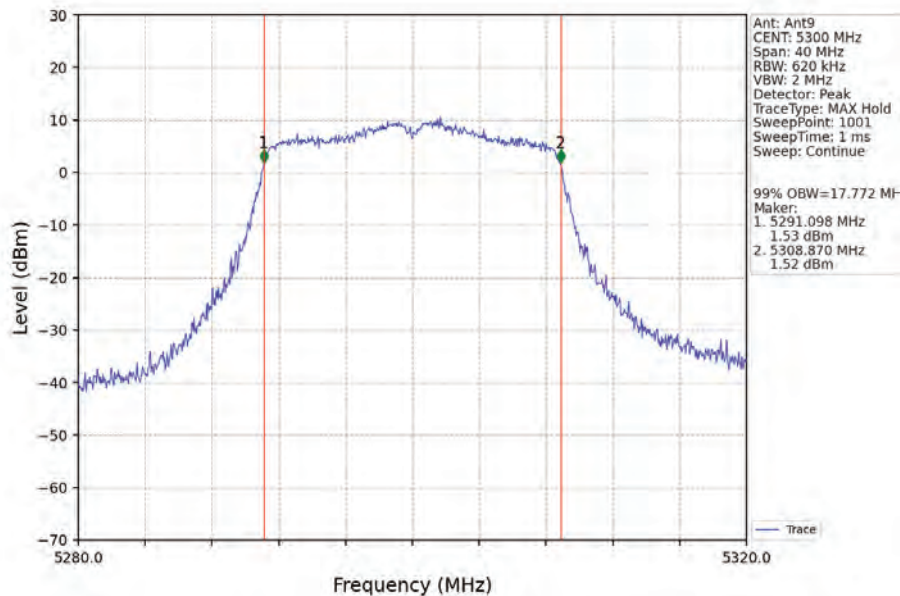
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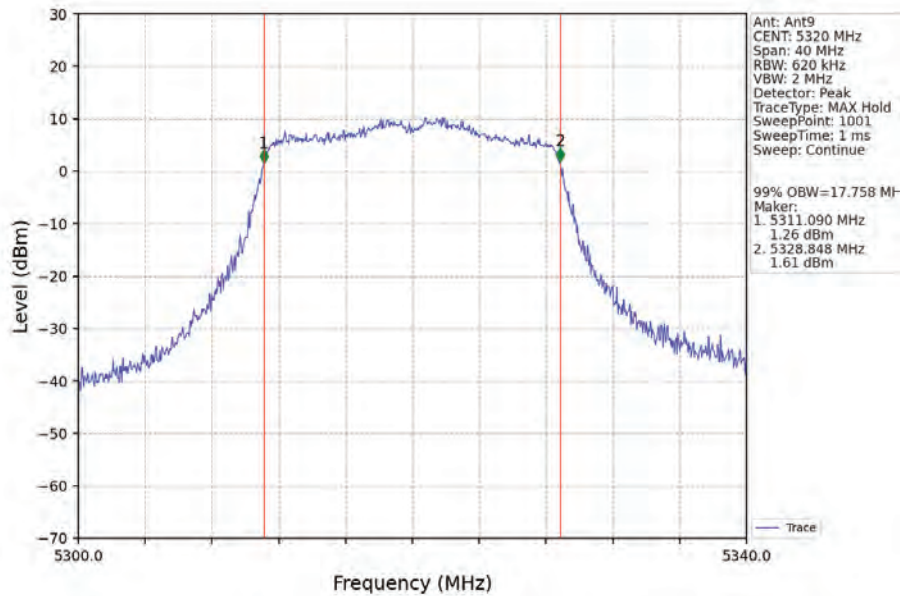
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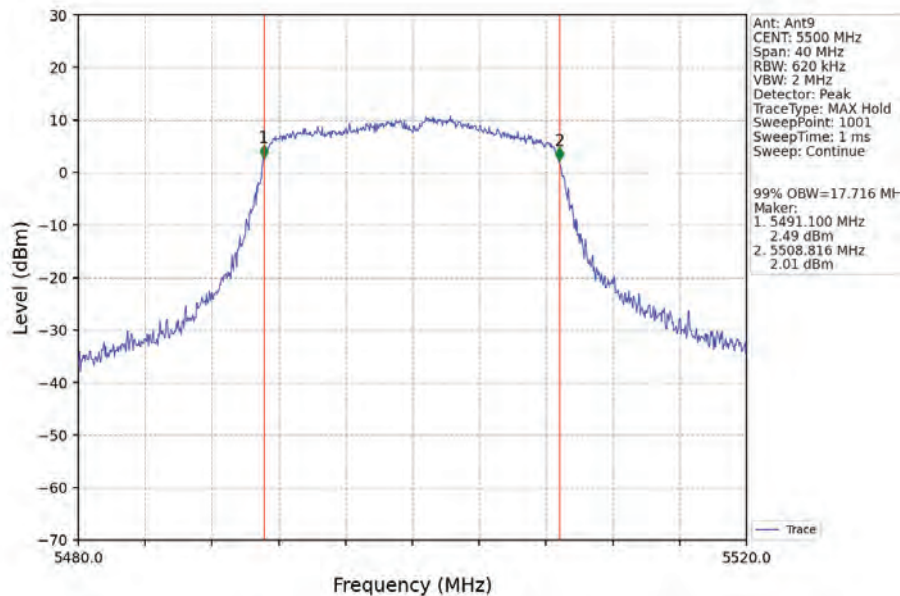
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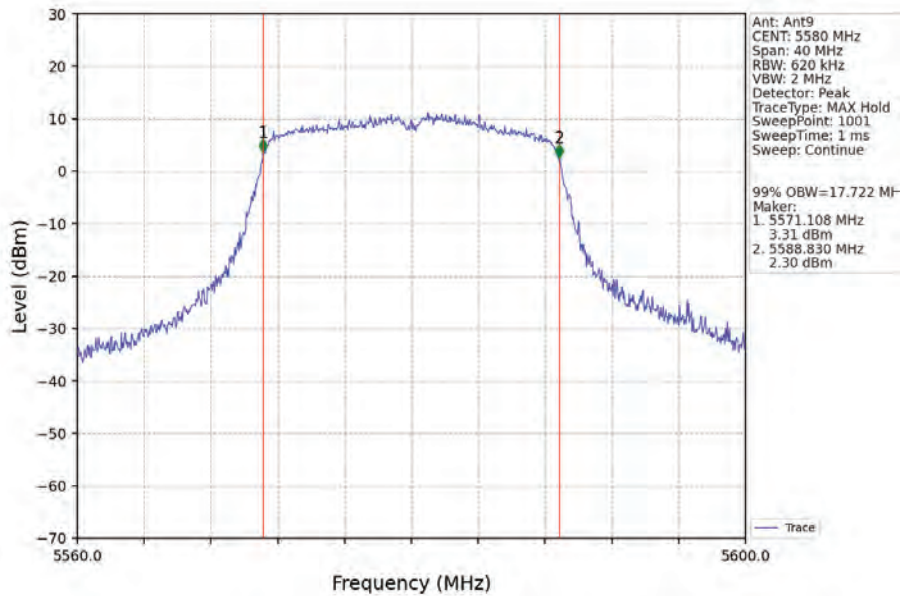
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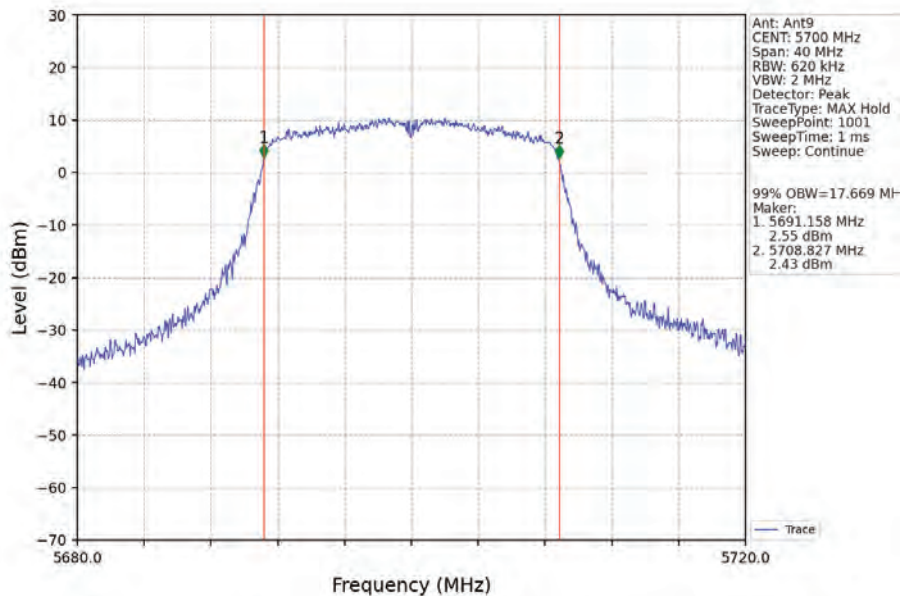
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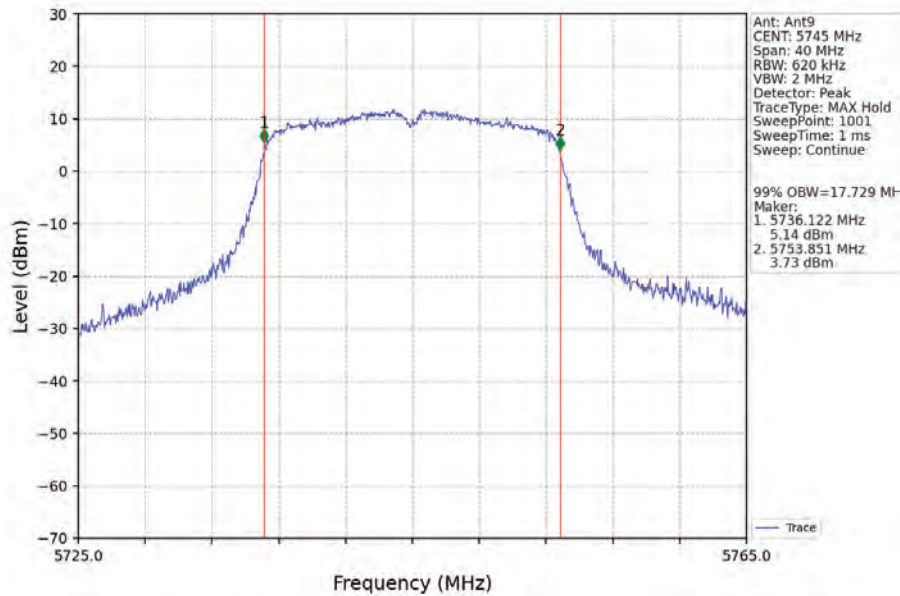
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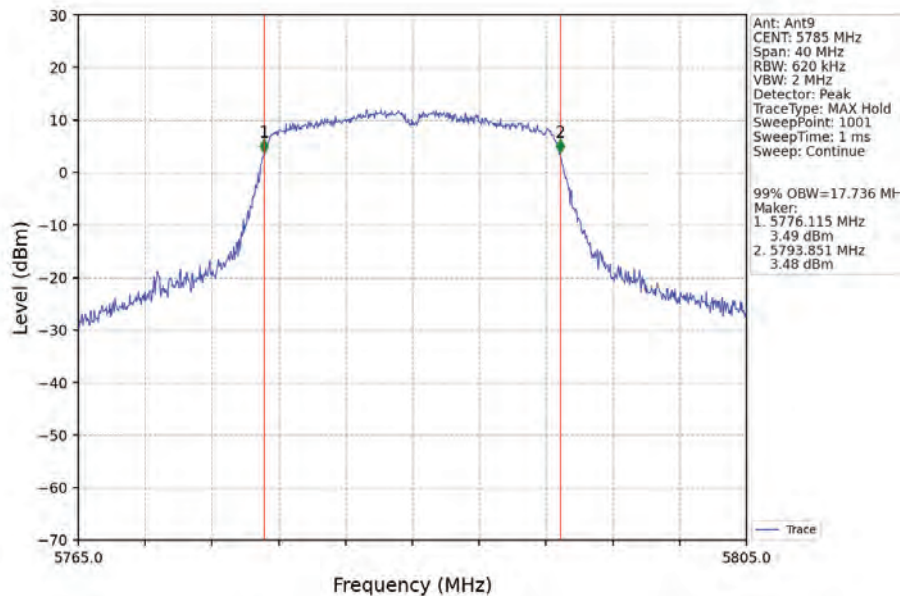
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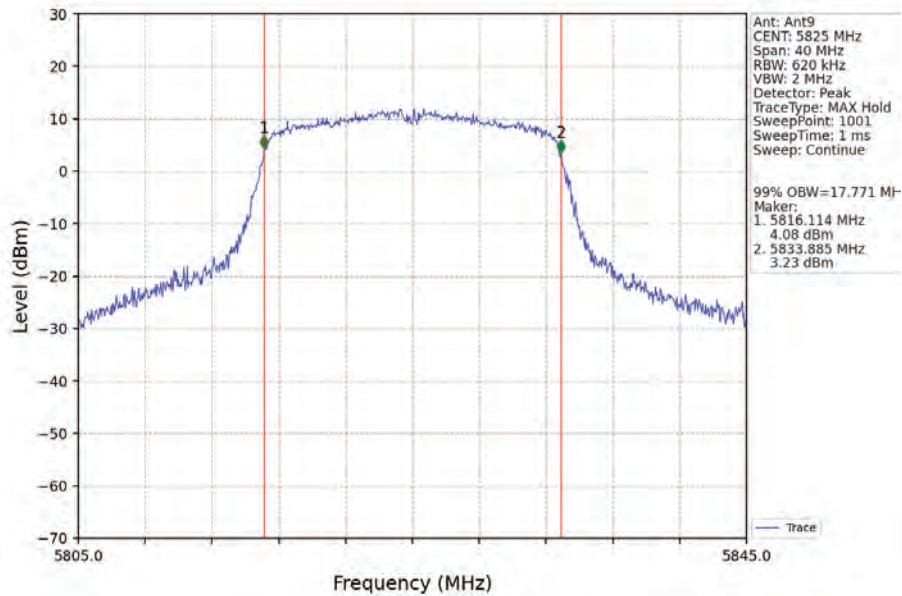
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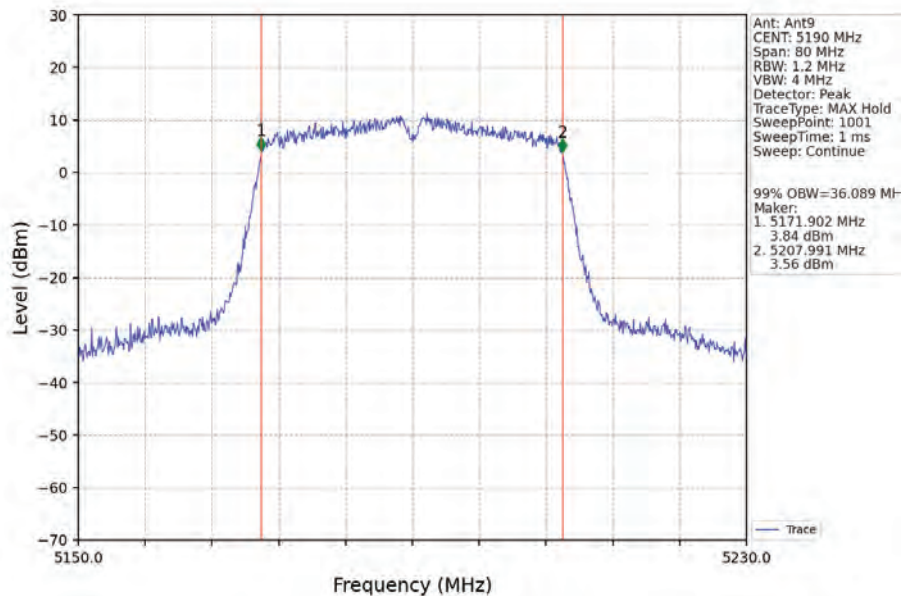
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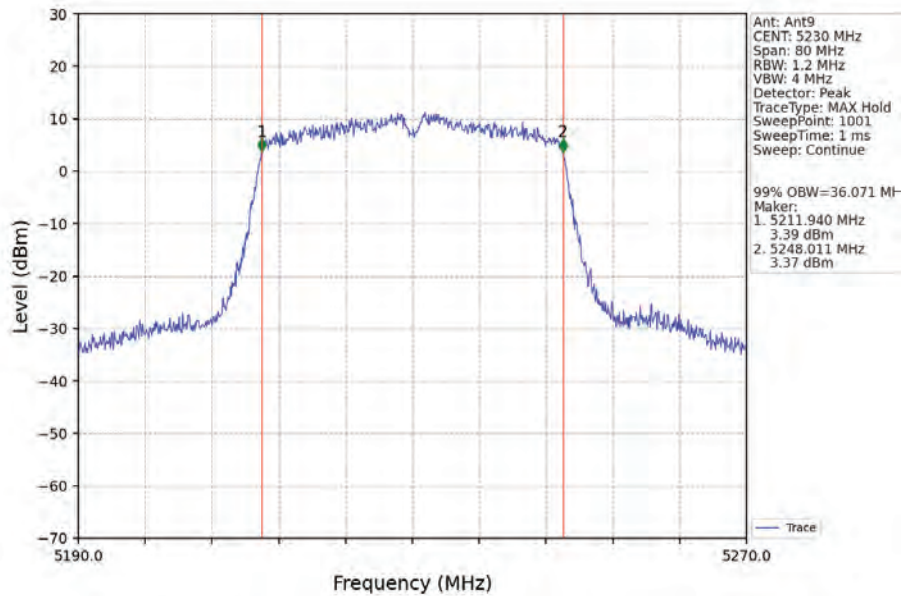
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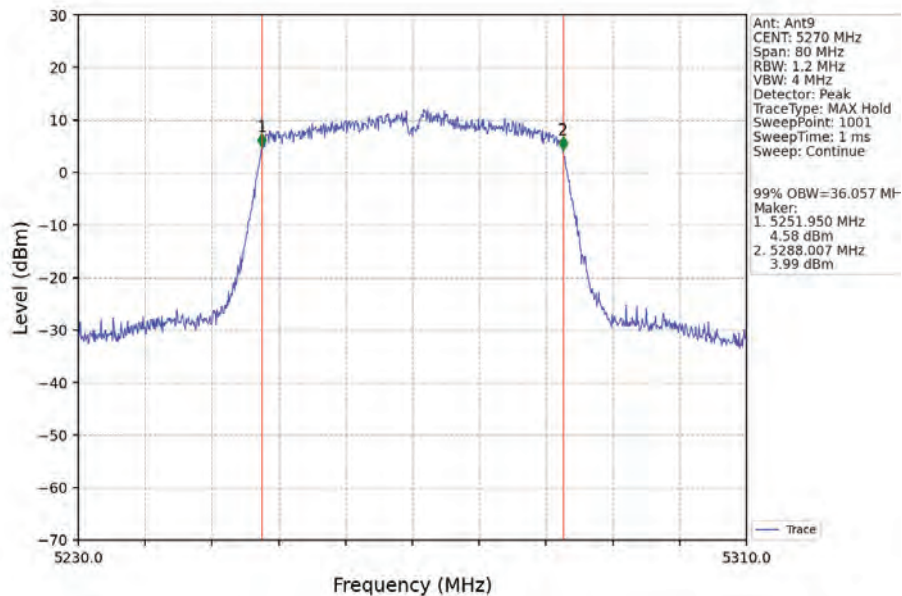
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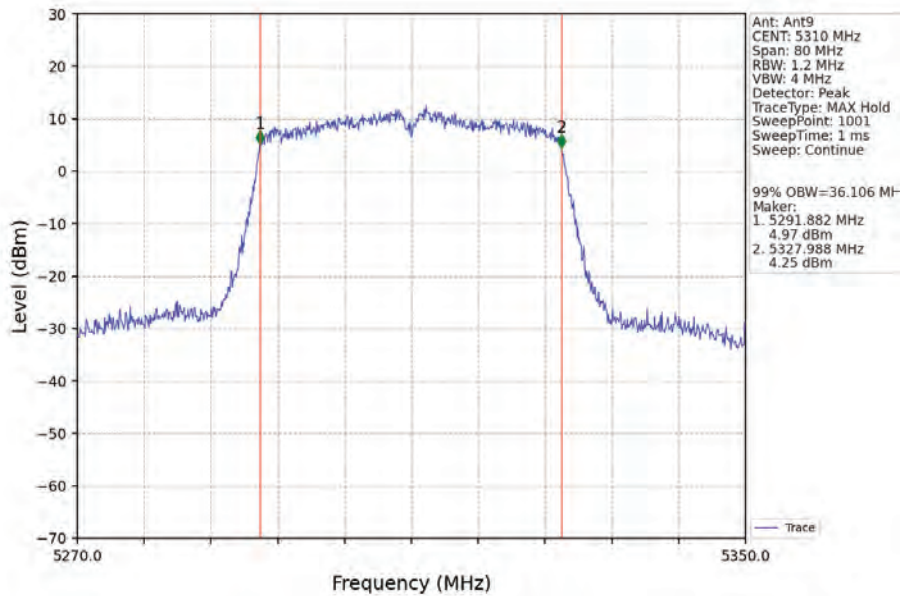
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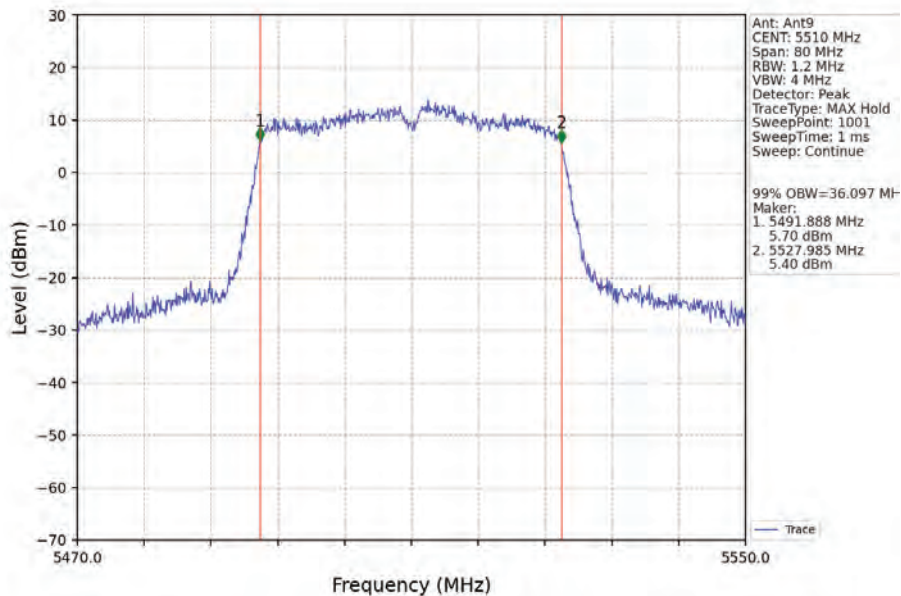
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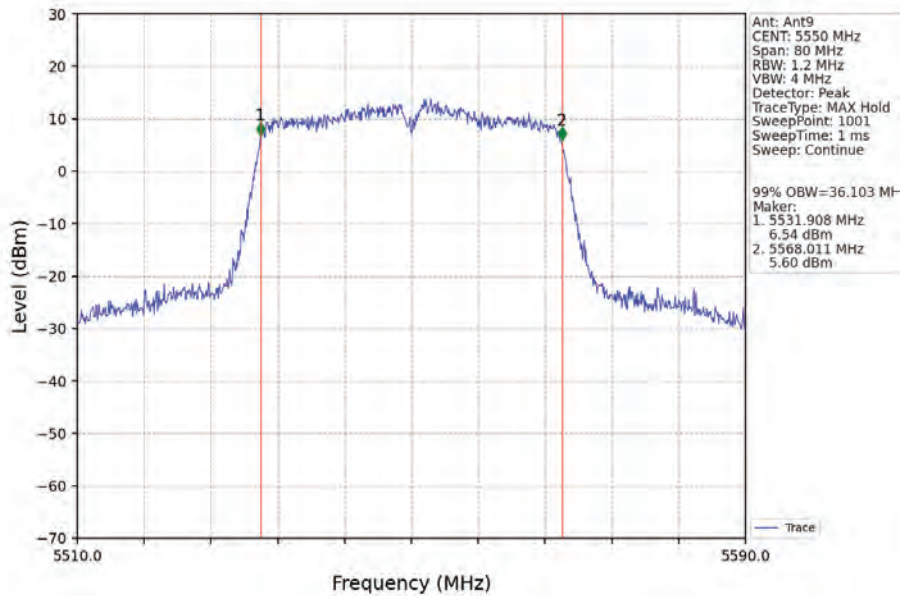
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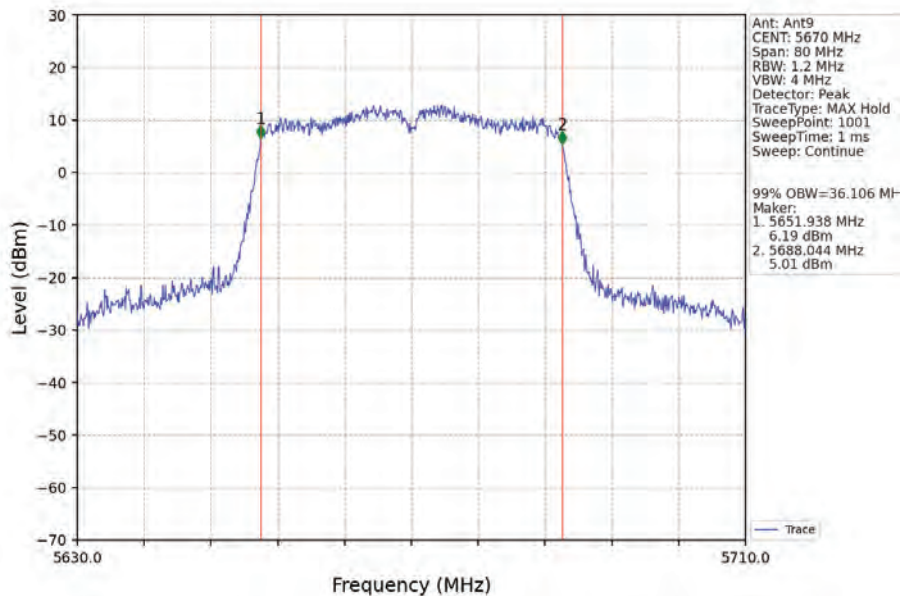
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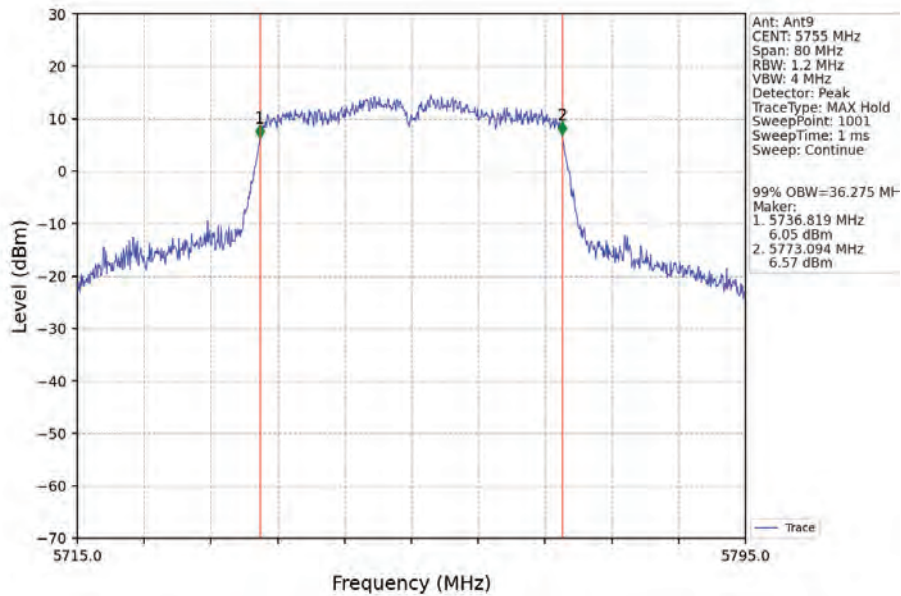
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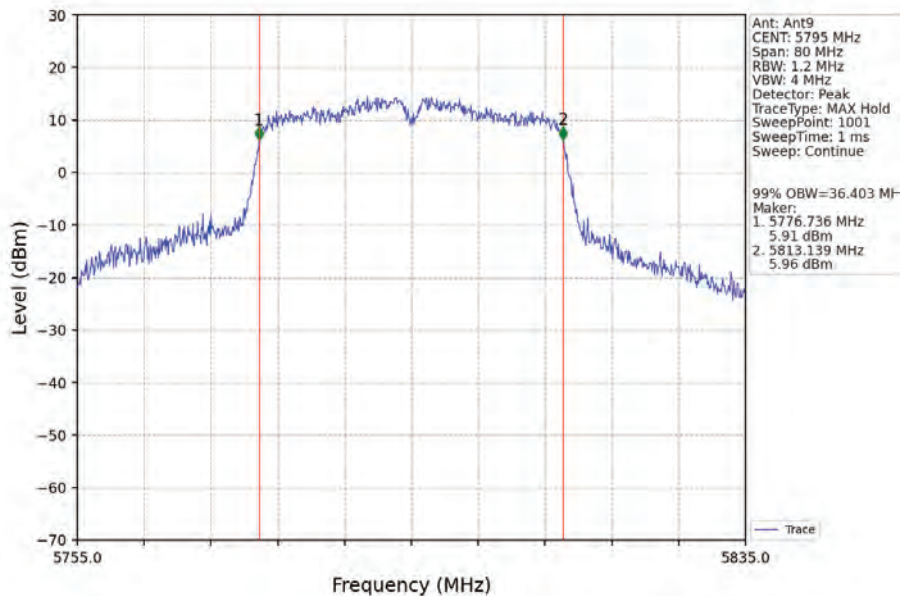
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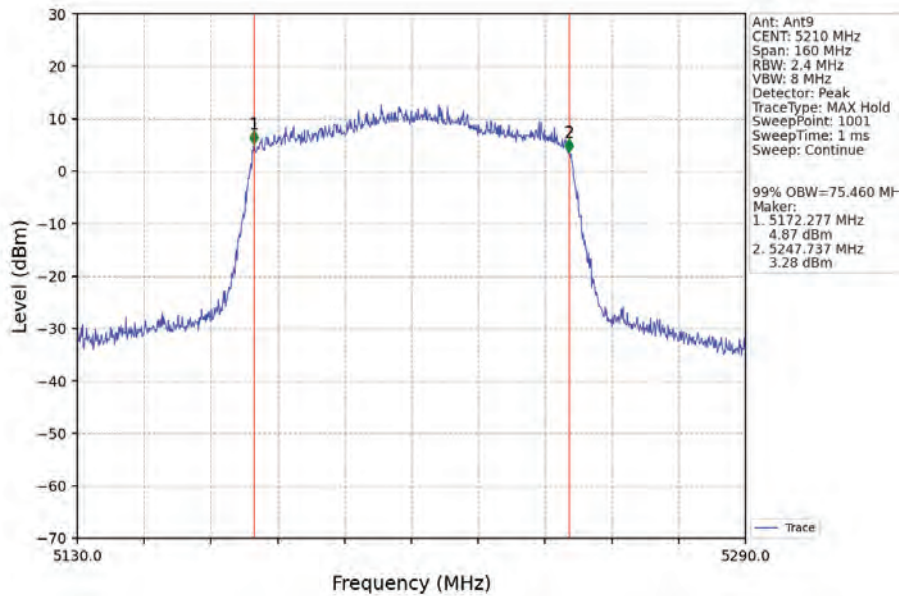
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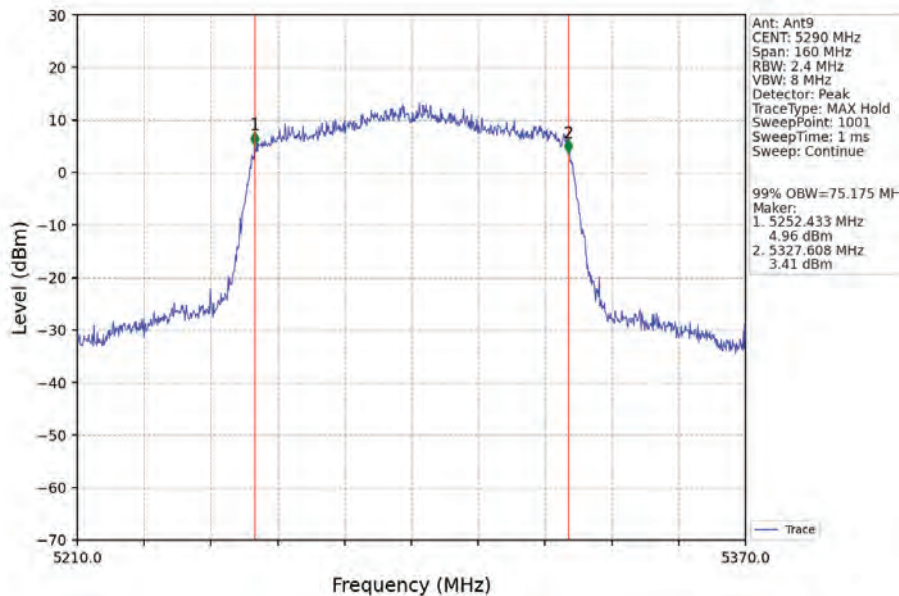
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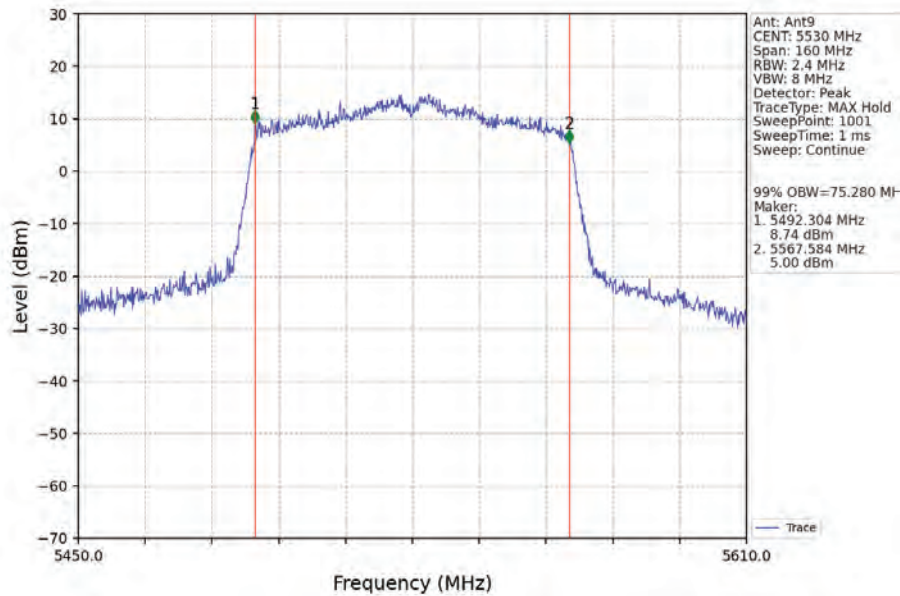
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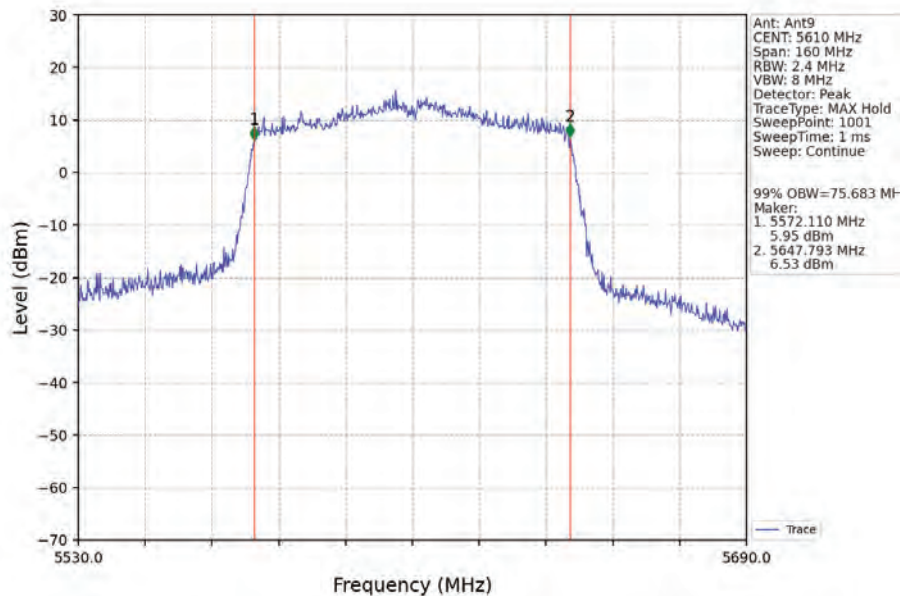
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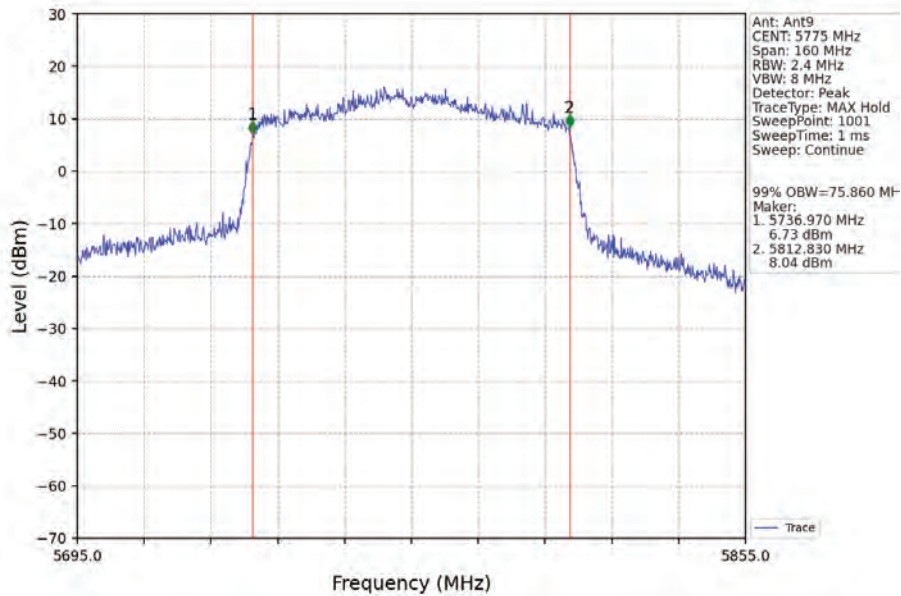
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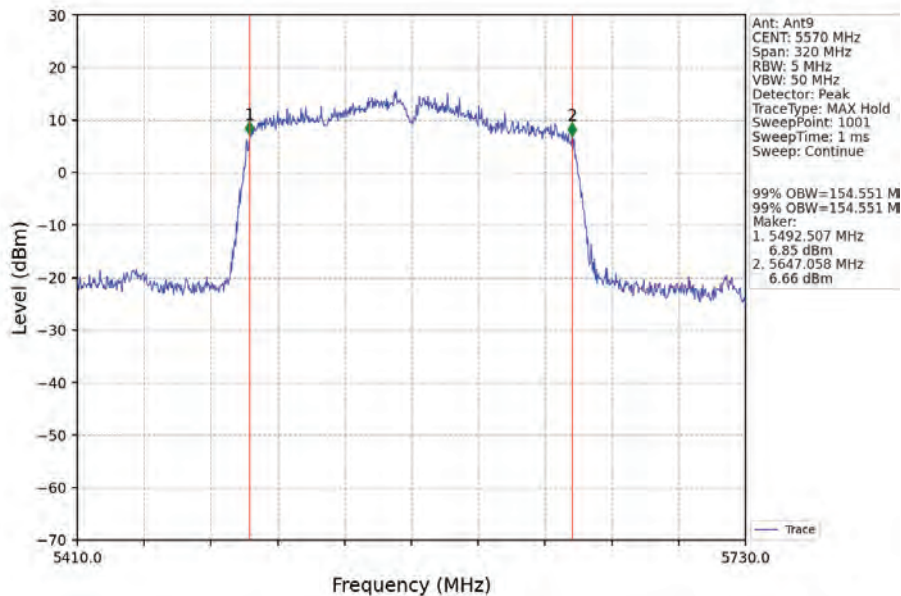
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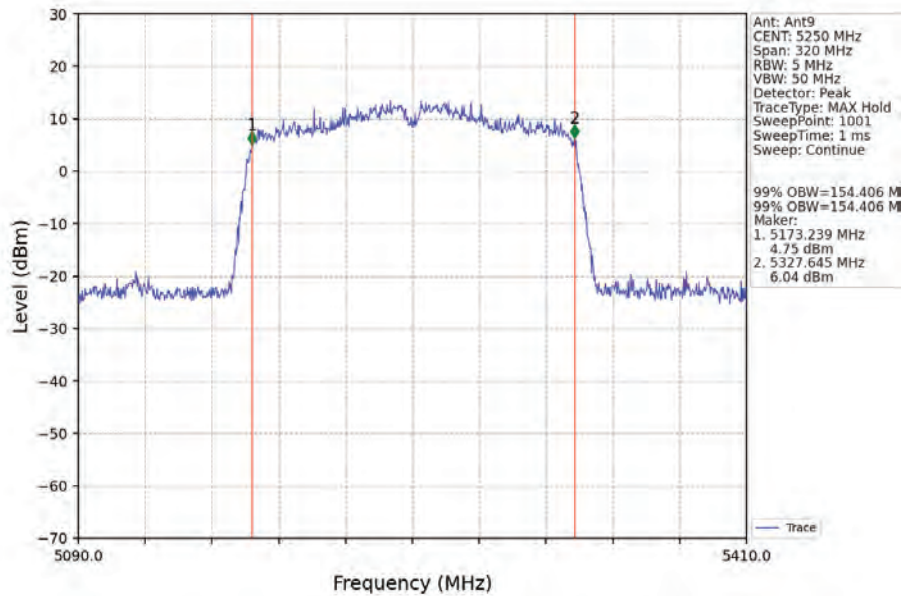
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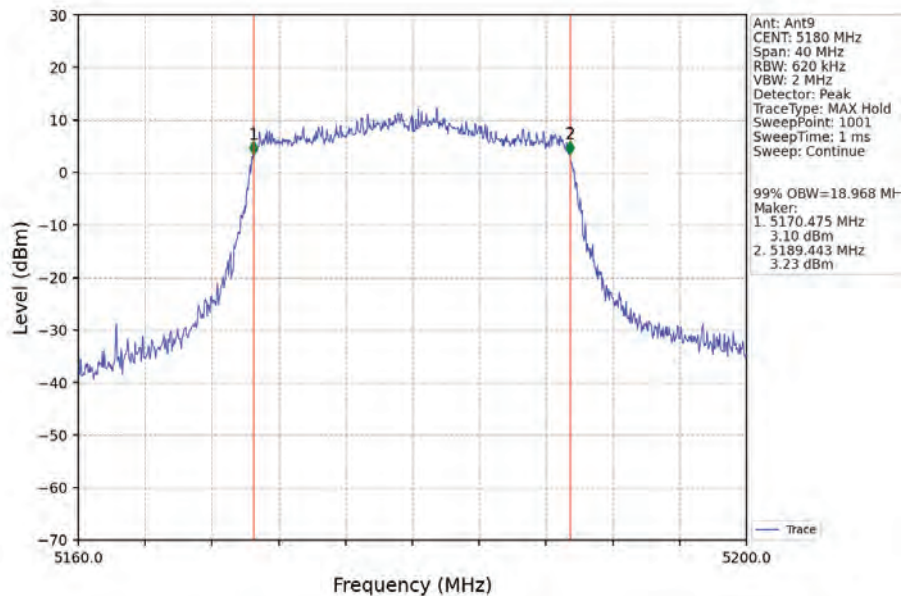
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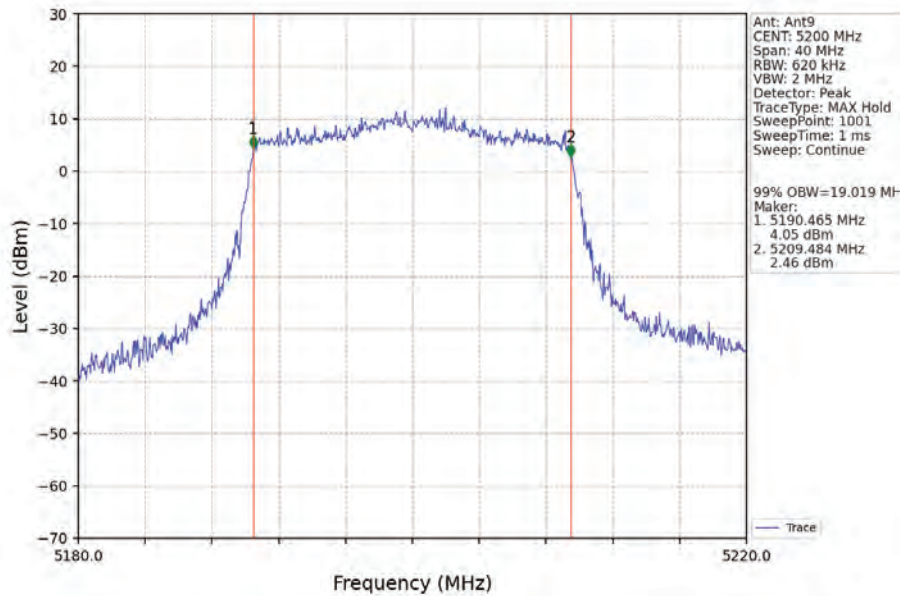
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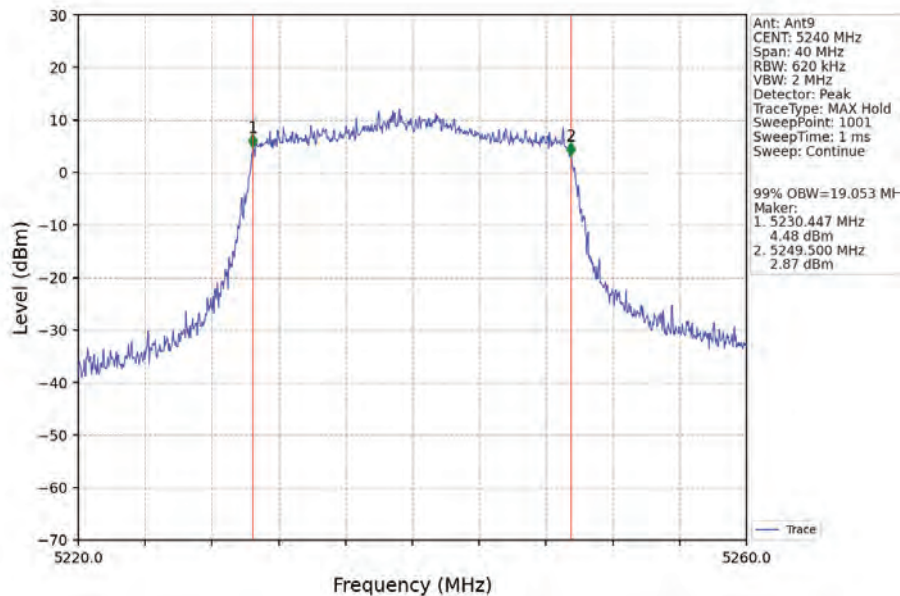
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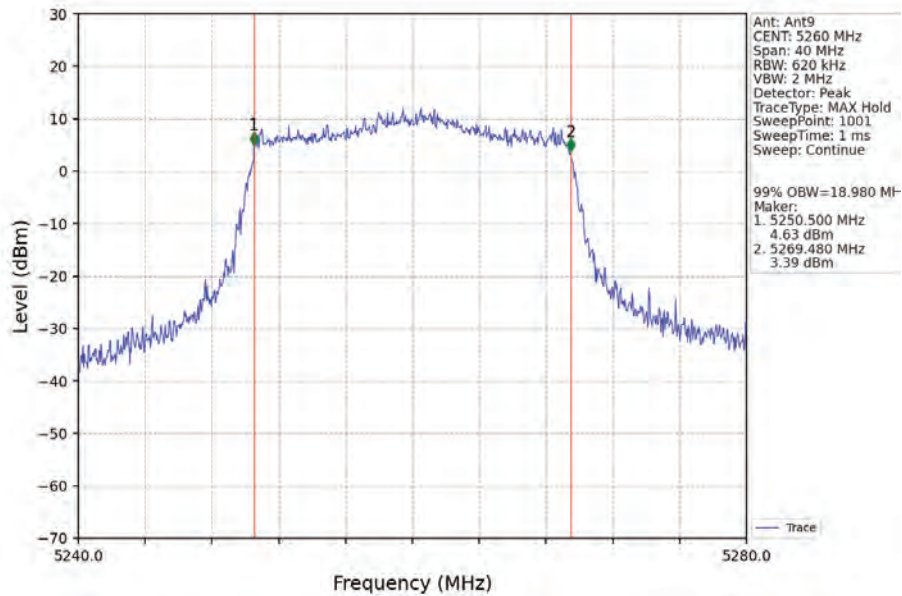
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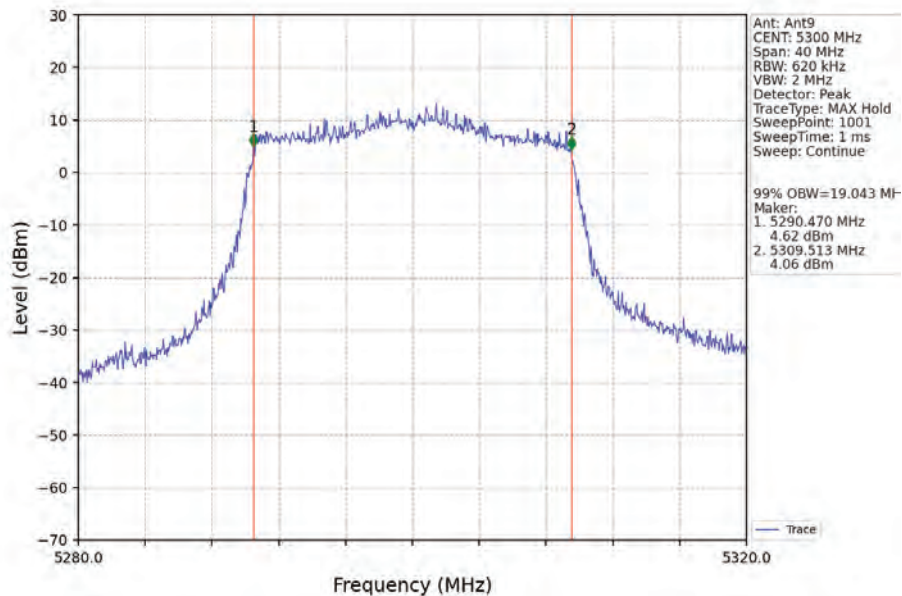
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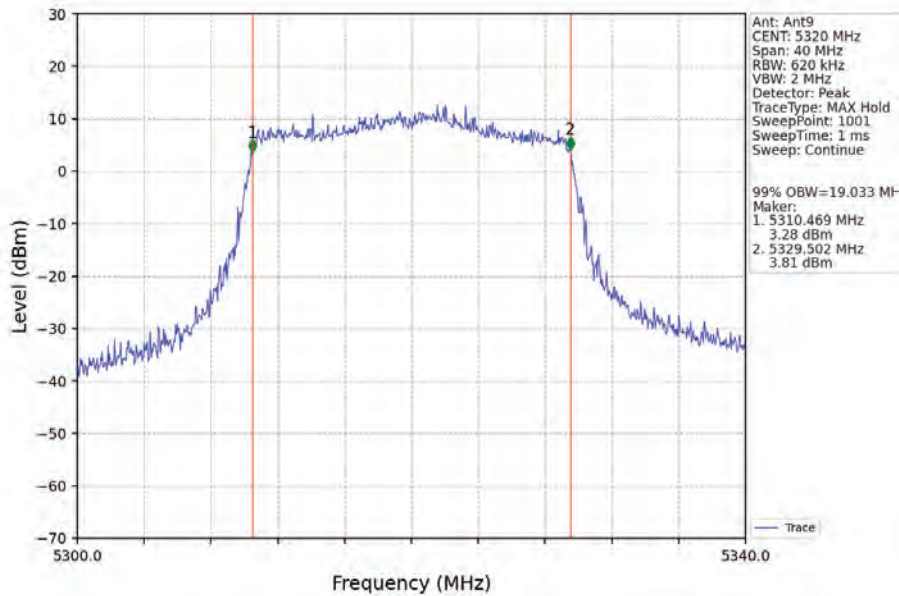
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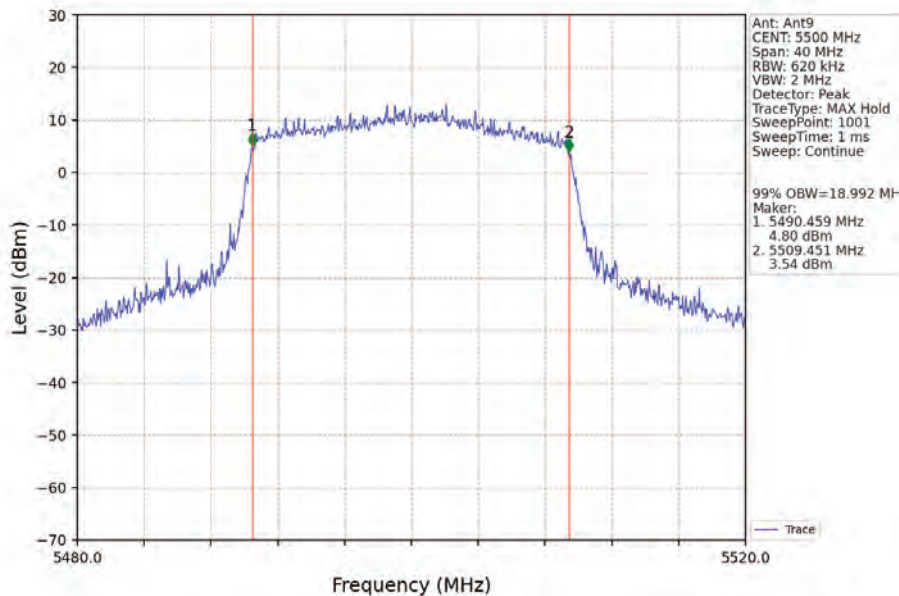
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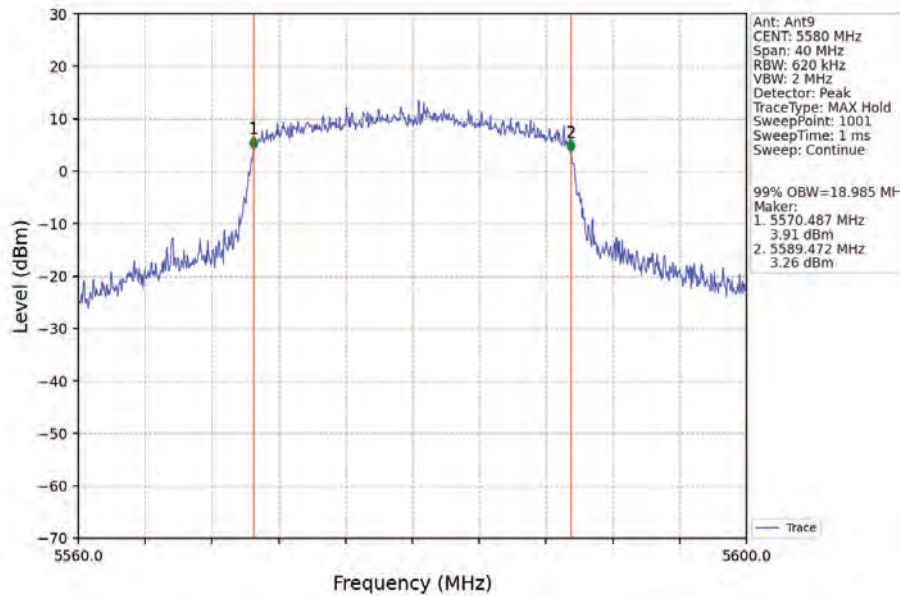
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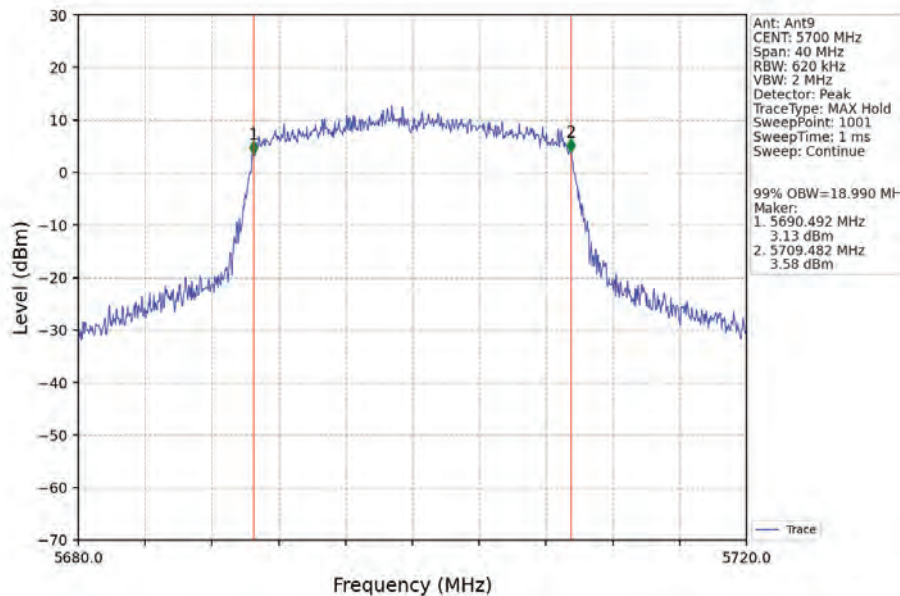
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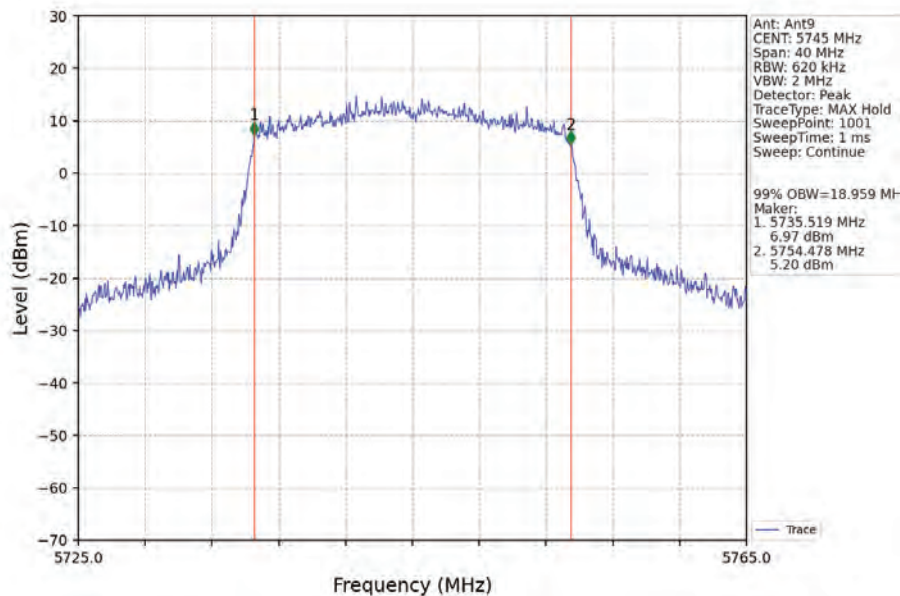
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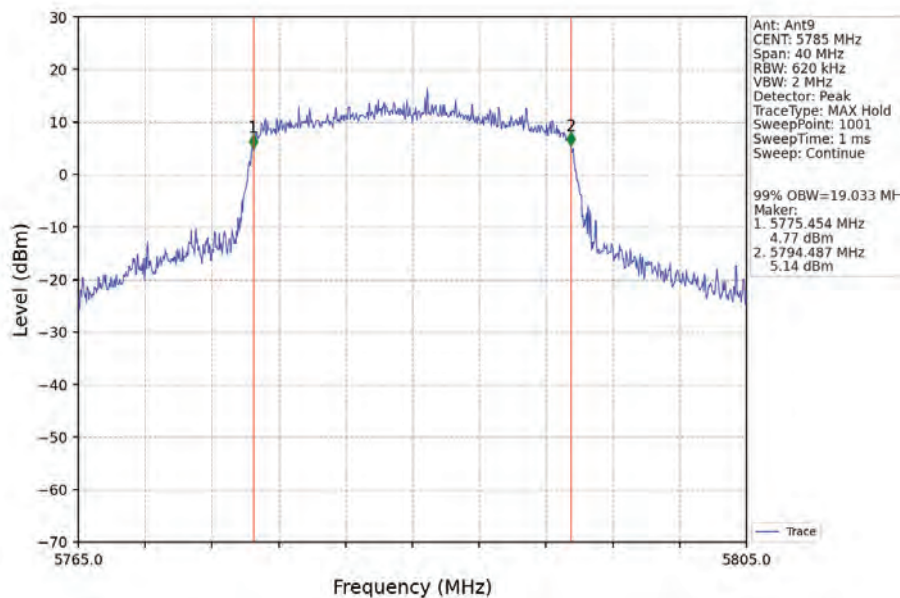
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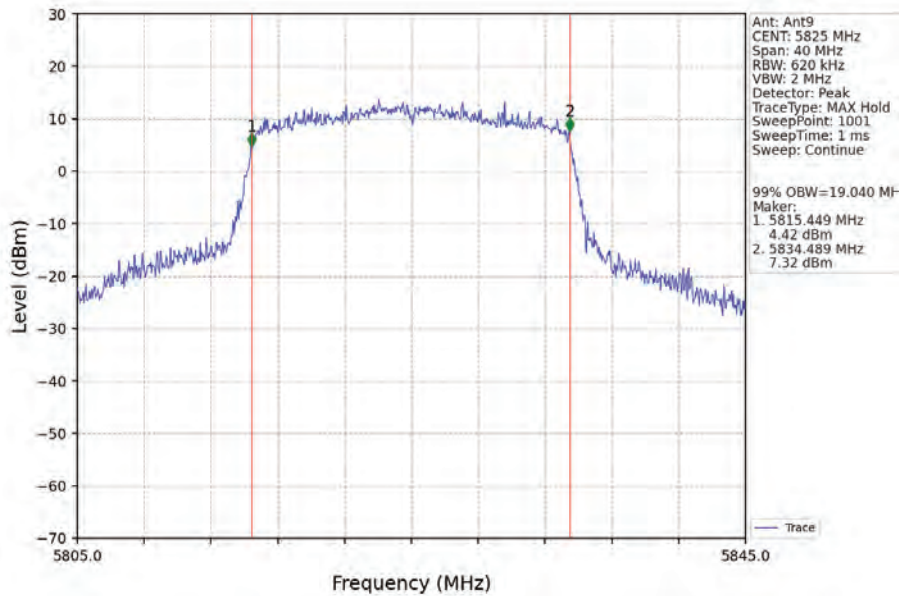
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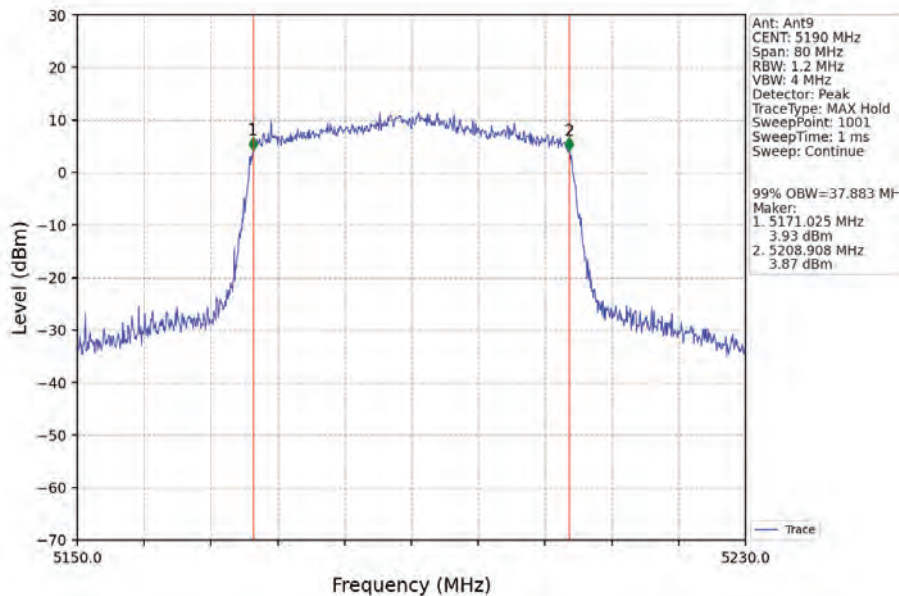
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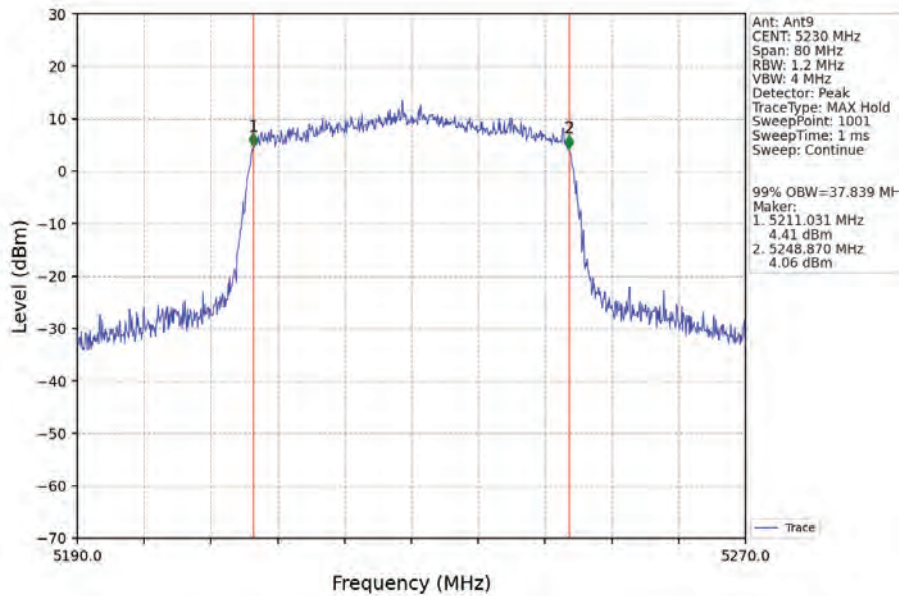
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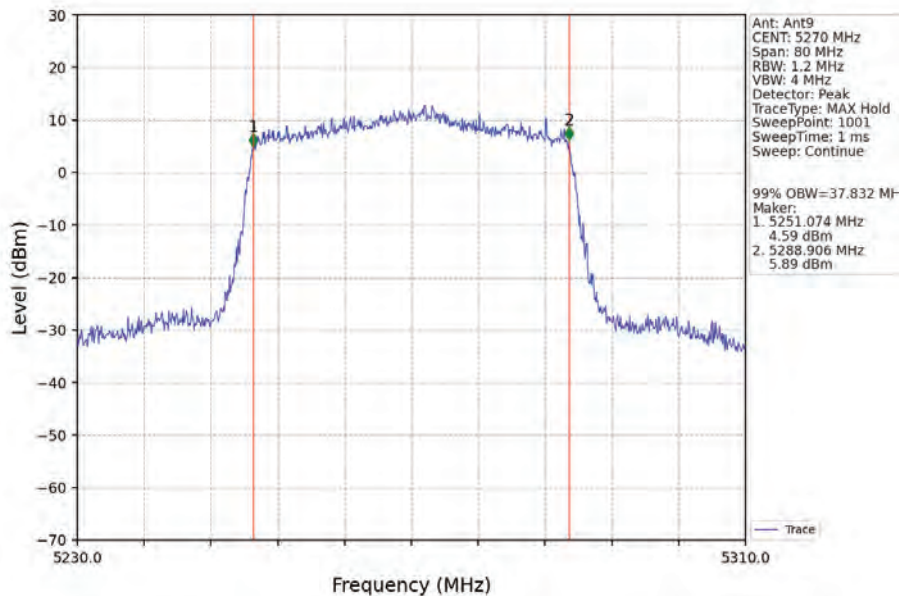
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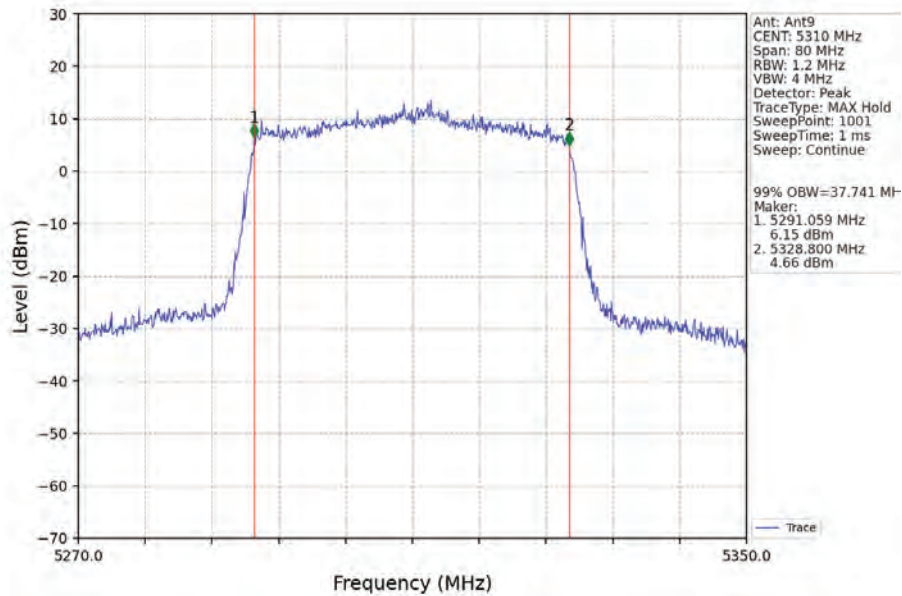
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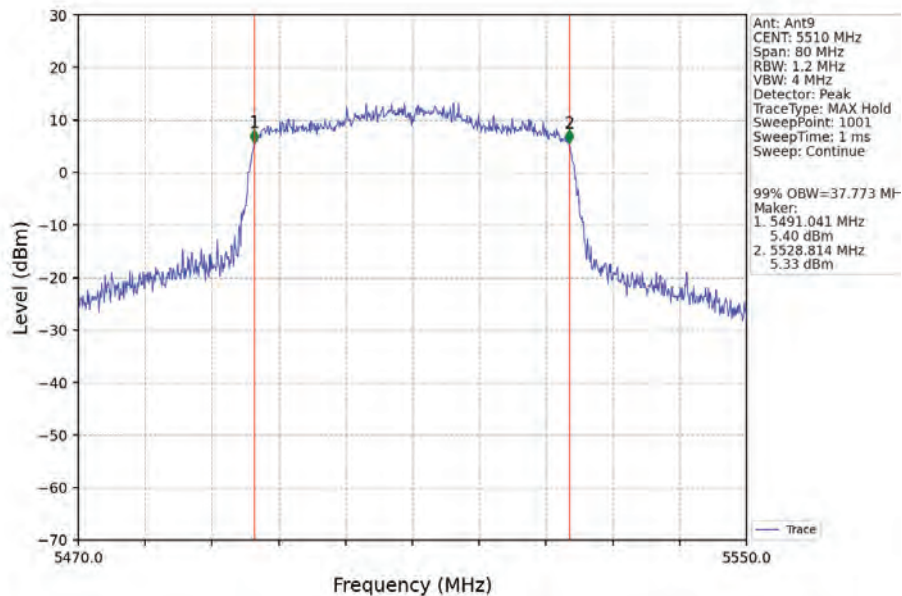
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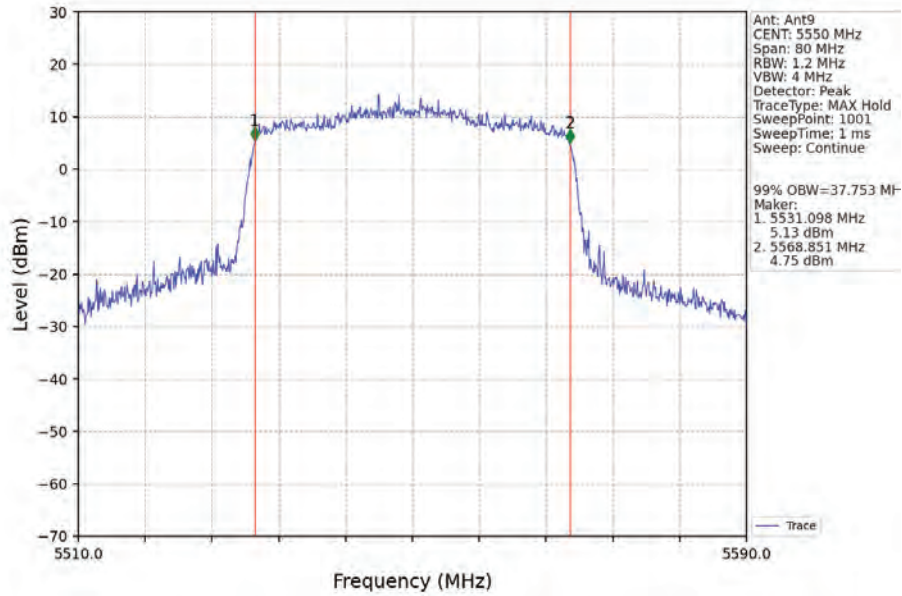
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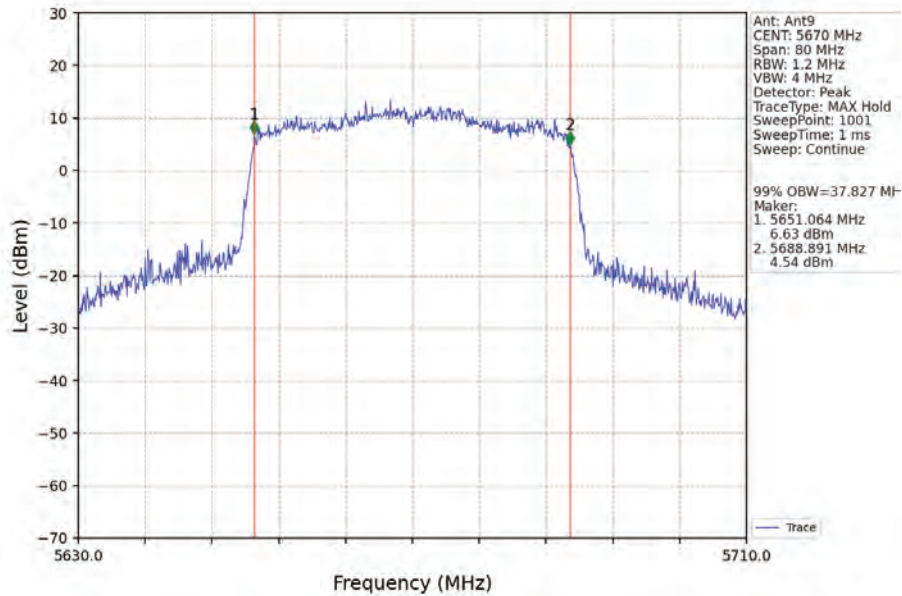
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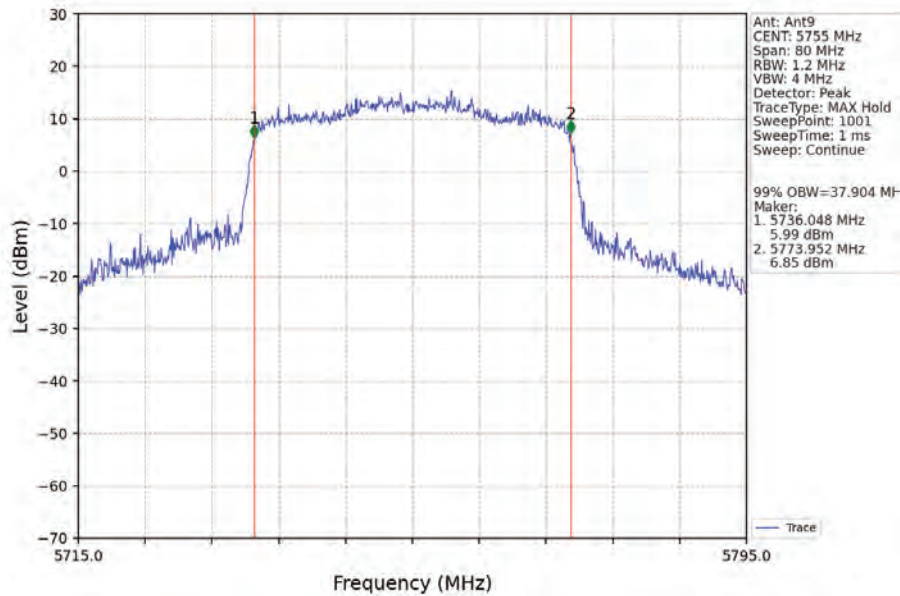
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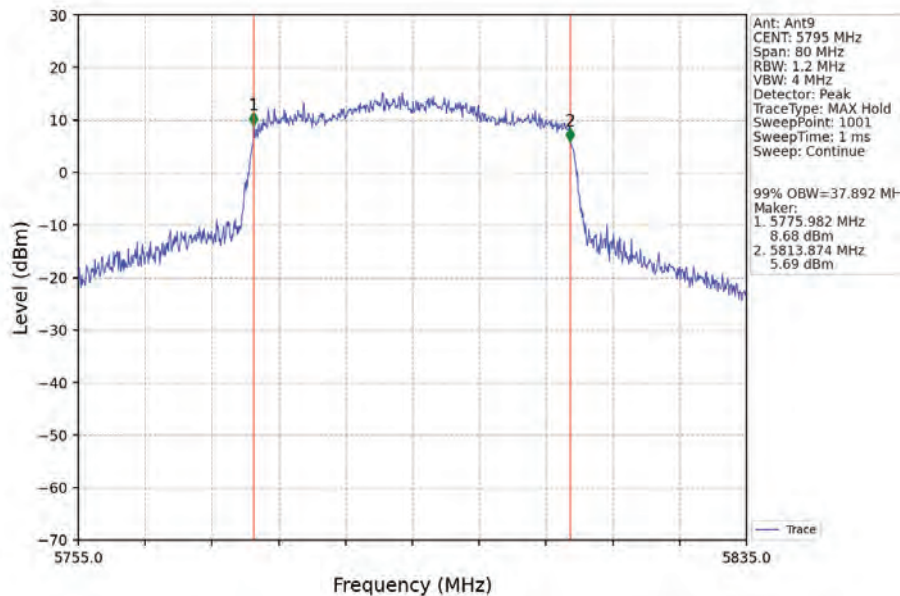
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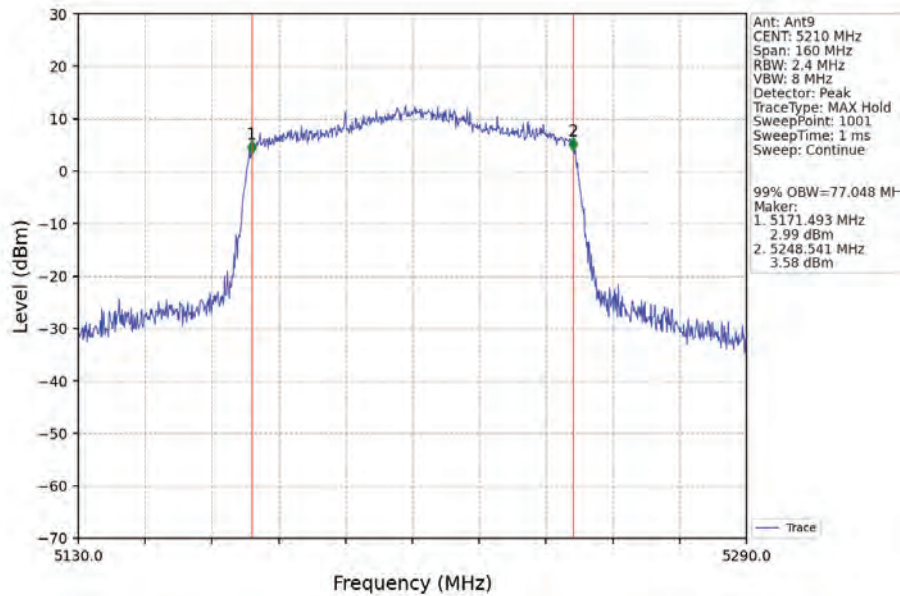
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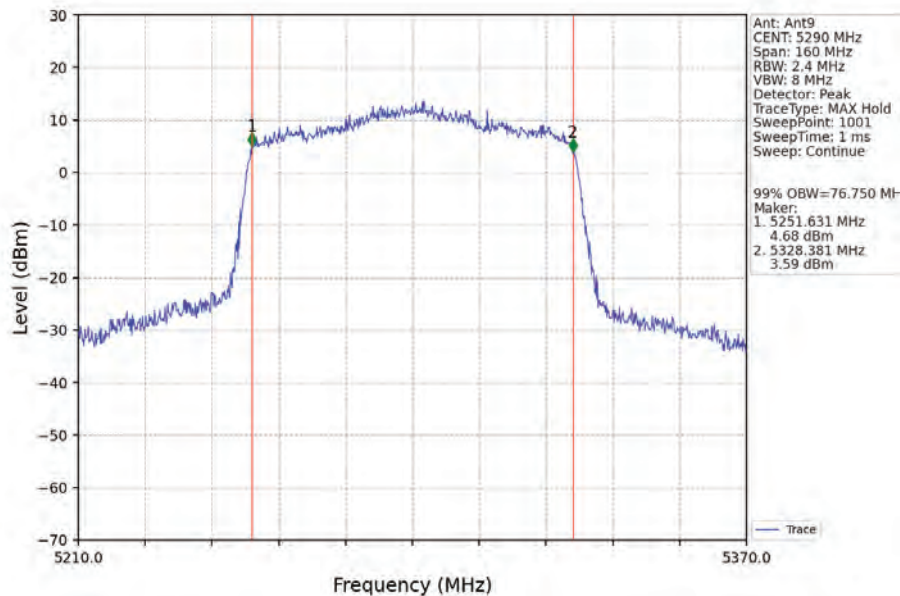
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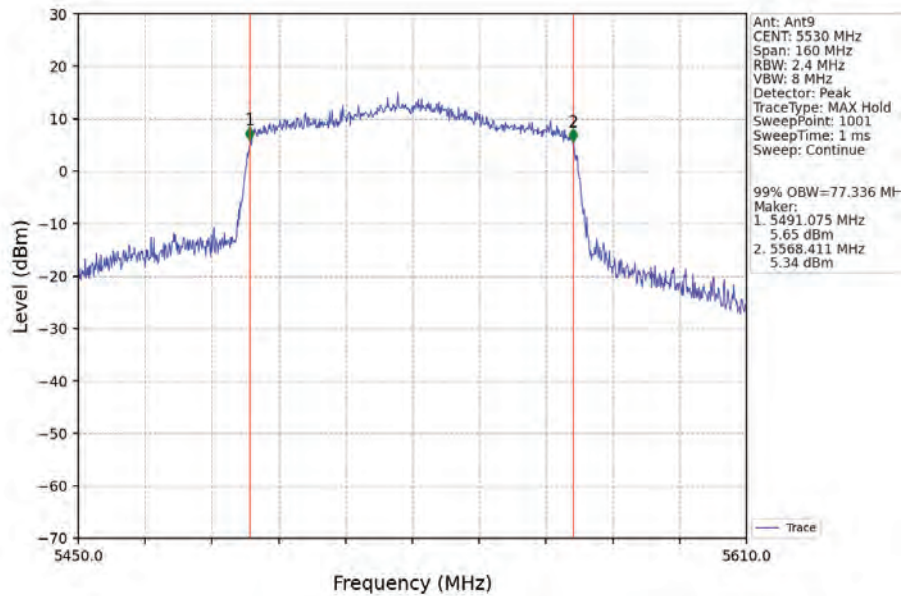
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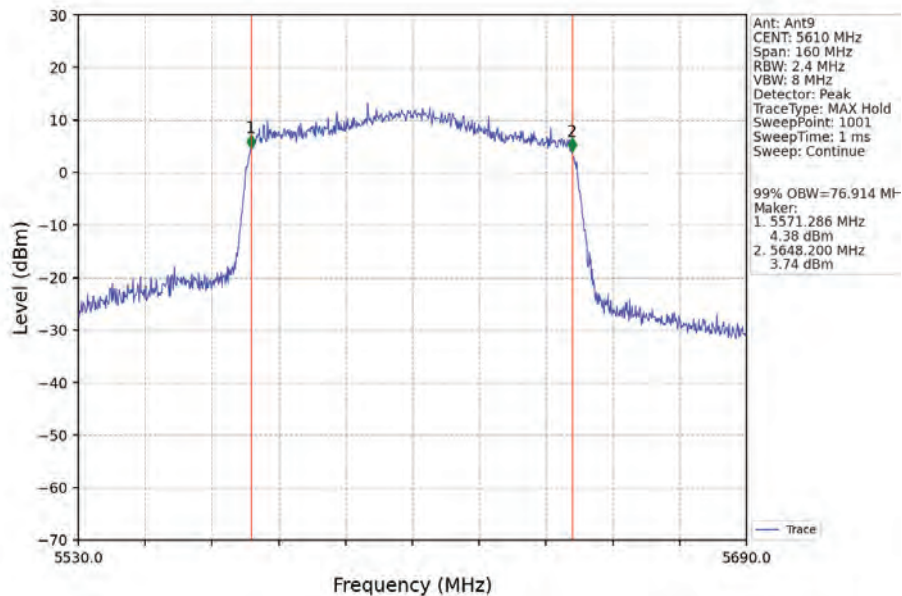
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802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant9_NTNV



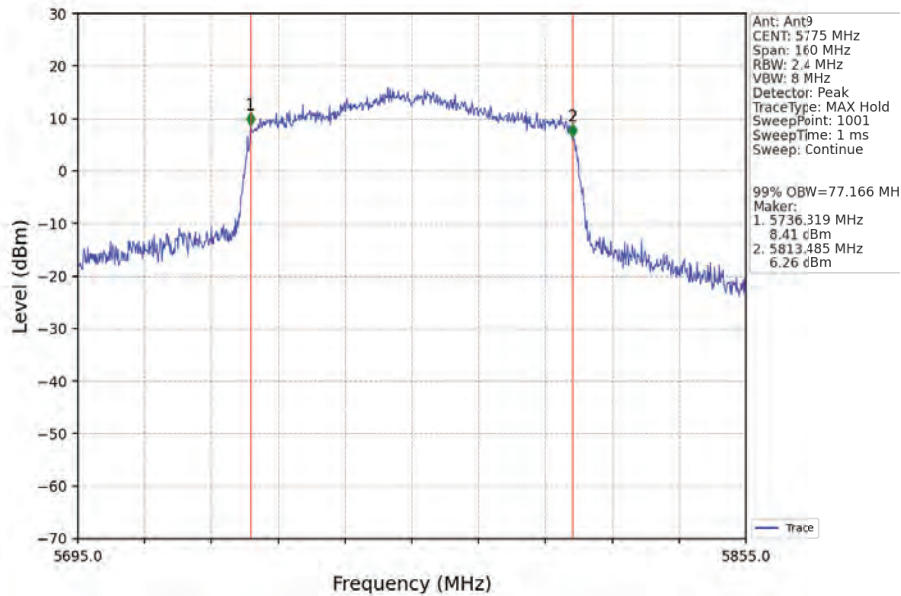
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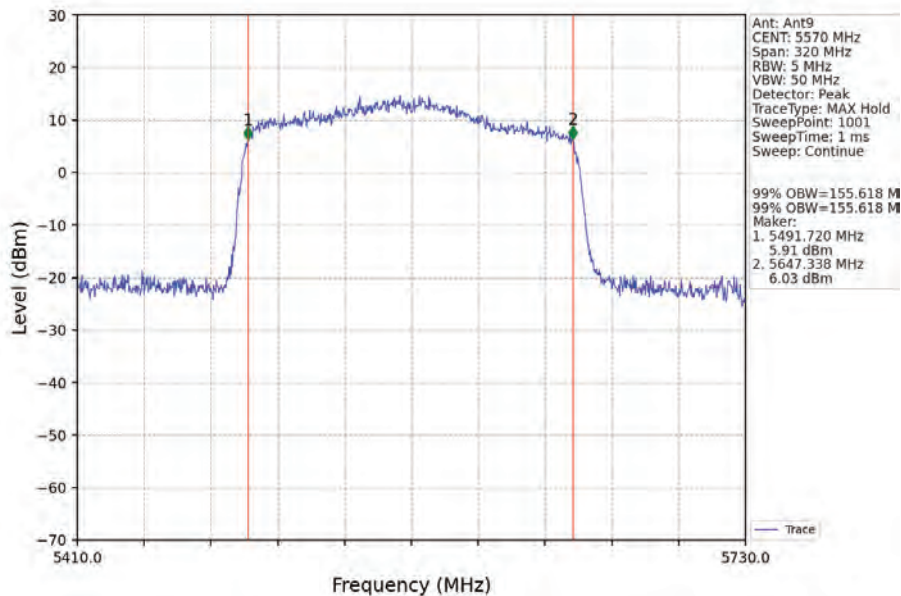
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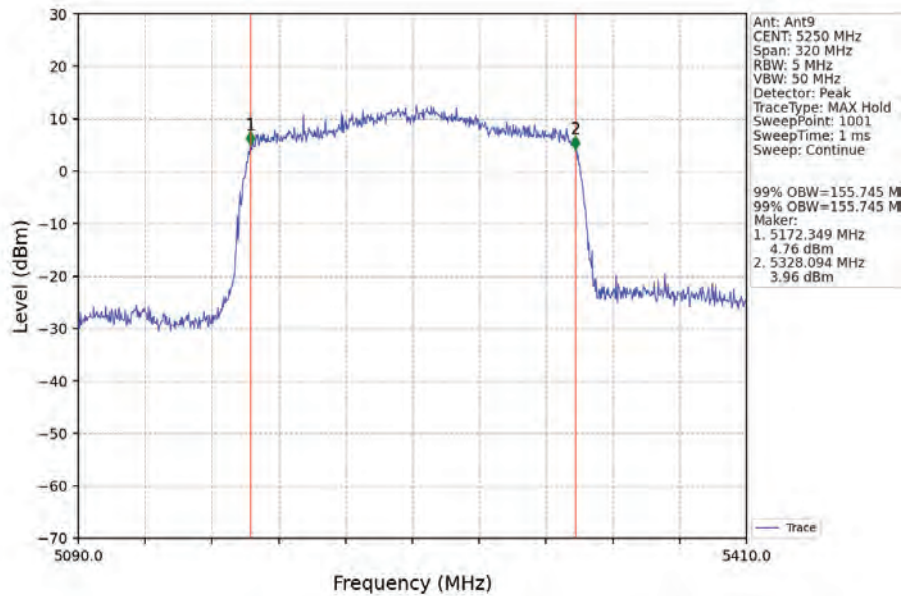
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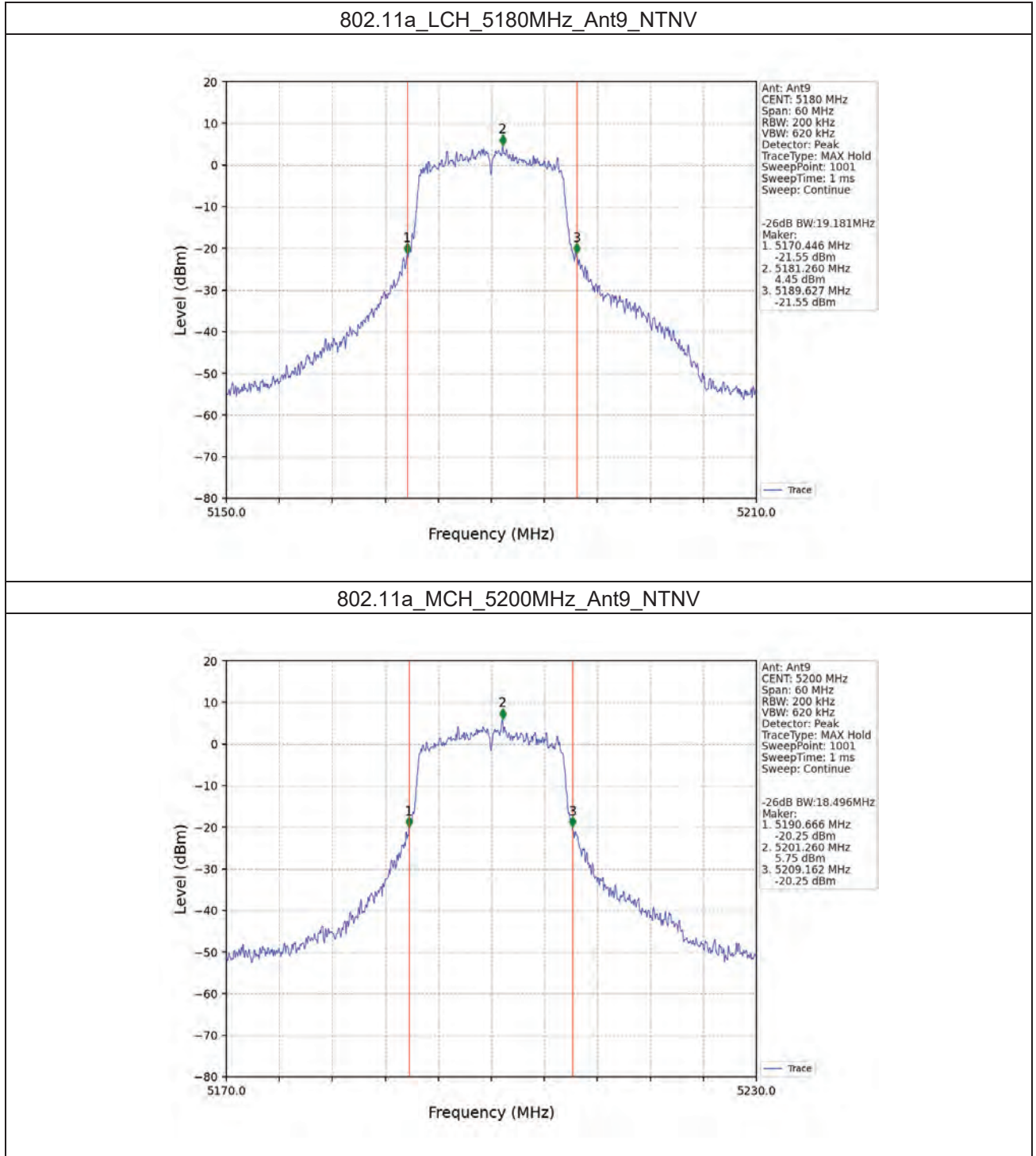
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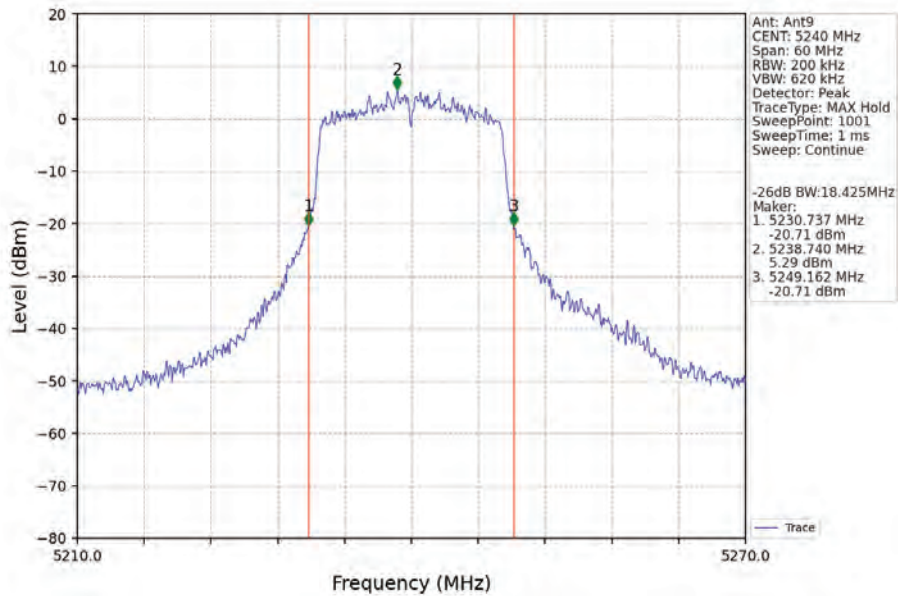
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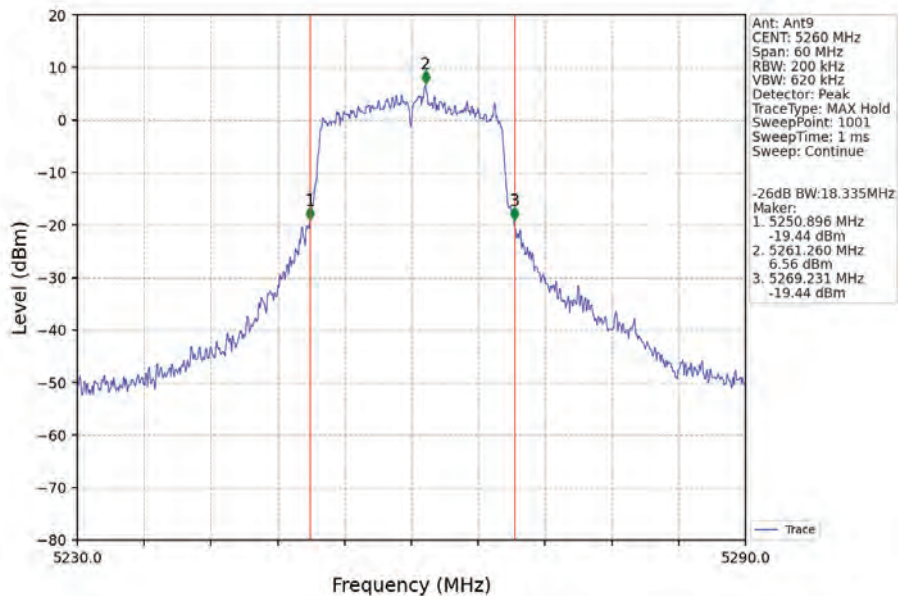
2.2.2 26dB BW



802.11a_HCH_5240MHz_Ant9_NTNV



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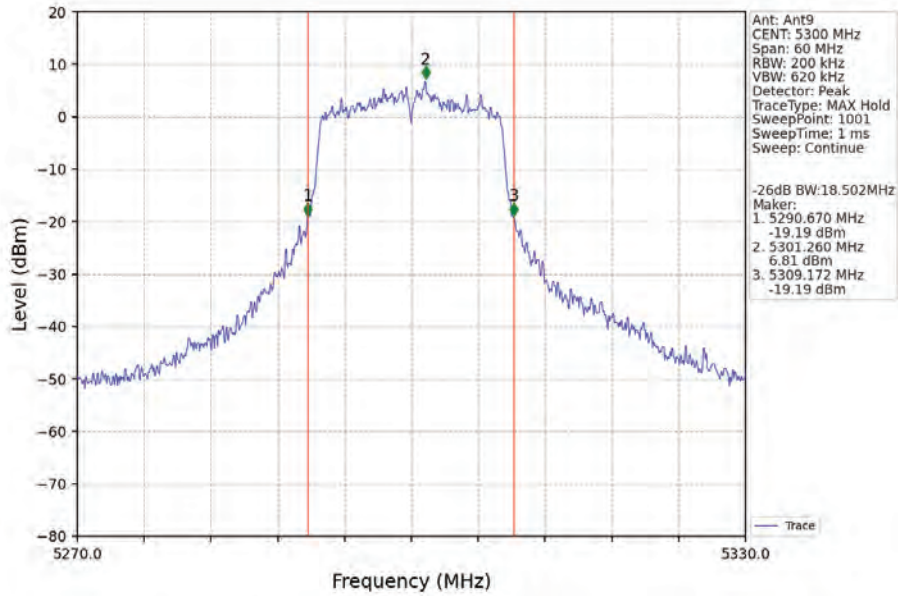
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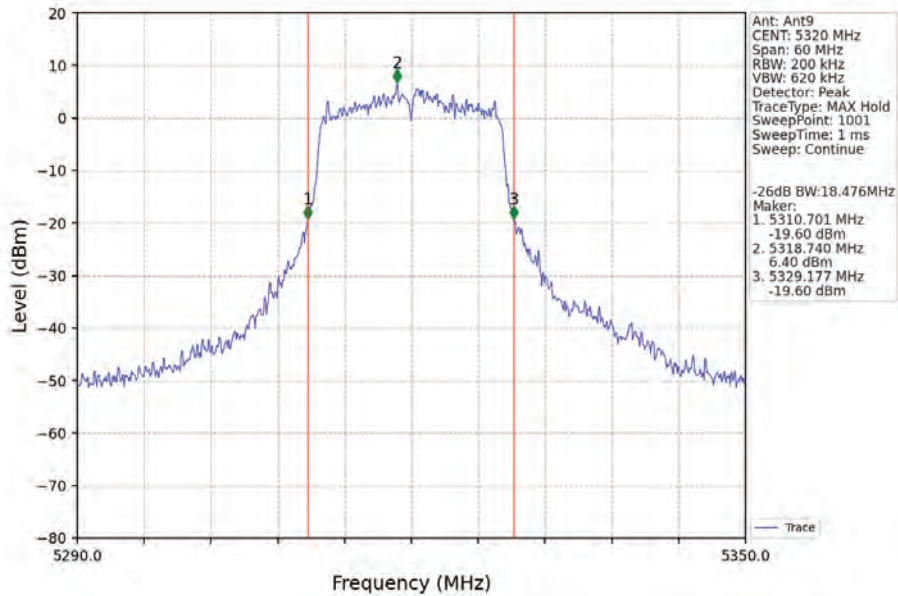
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802.11a_MCH_5300MHz_Ant9_NTNV



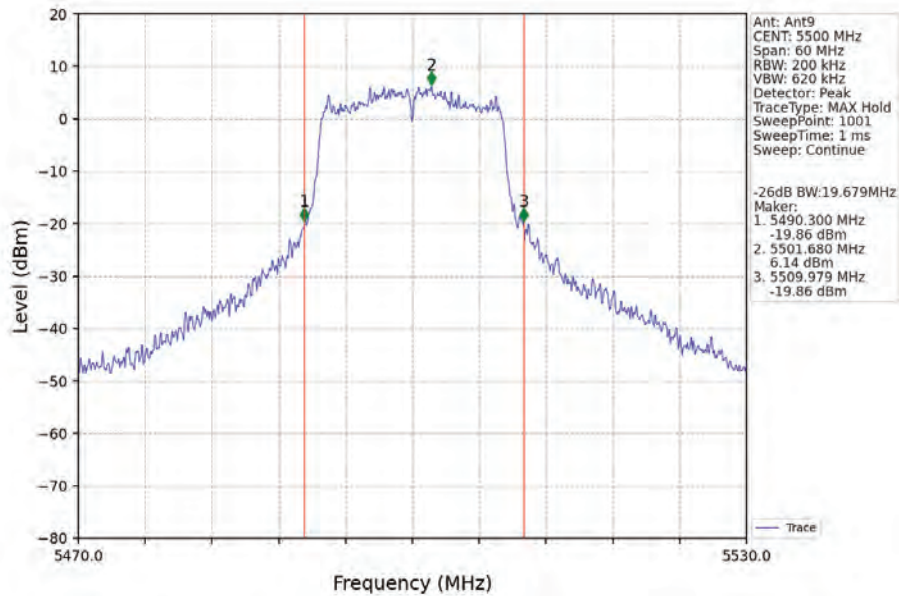
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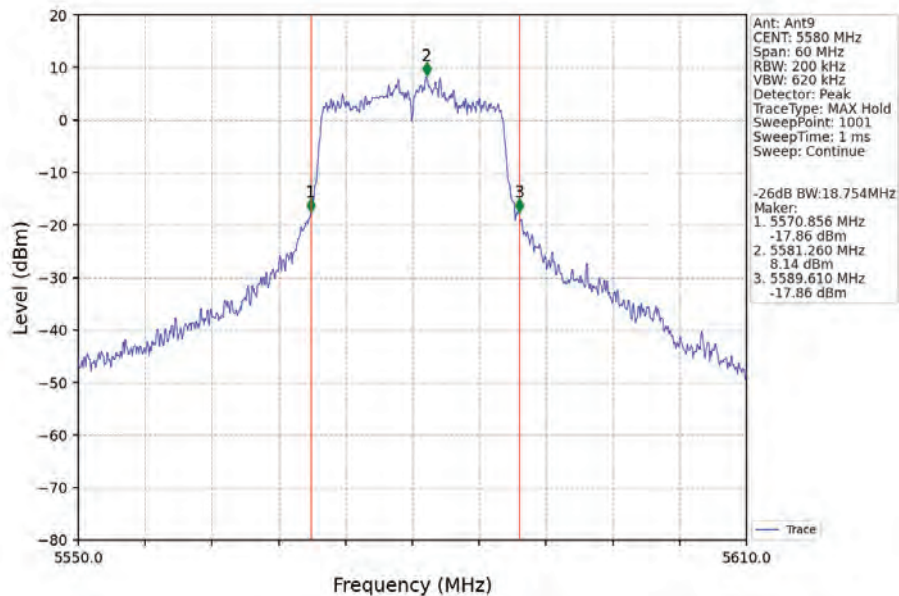
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802.11a_LCH_5500MHz_Ant9_NTNV



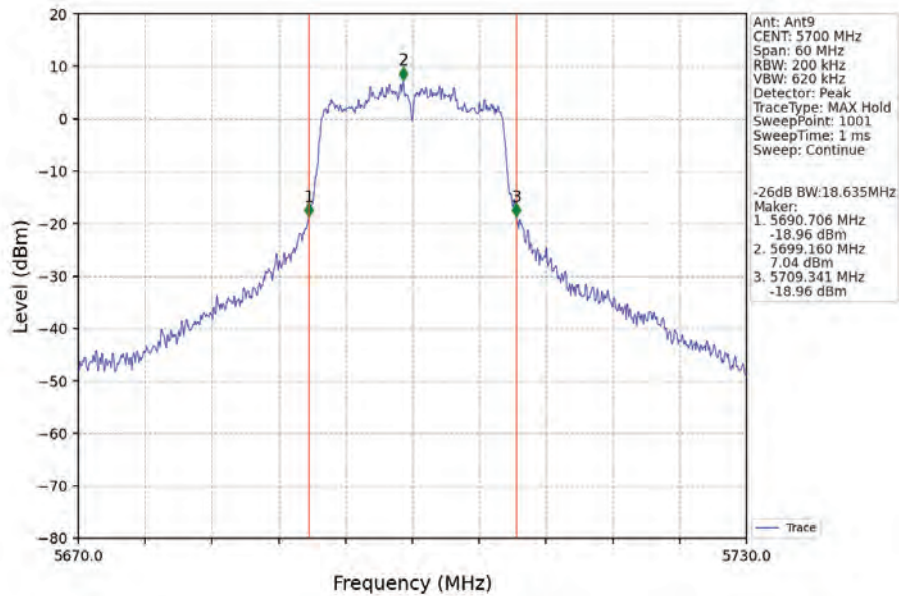
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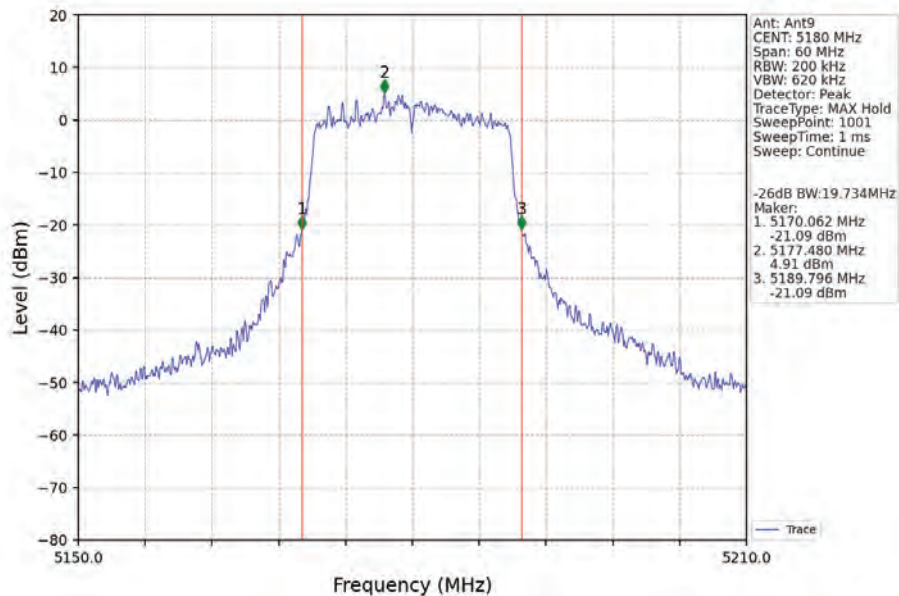
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802.11a_HCH_5700MHz_Ant9_NTNV



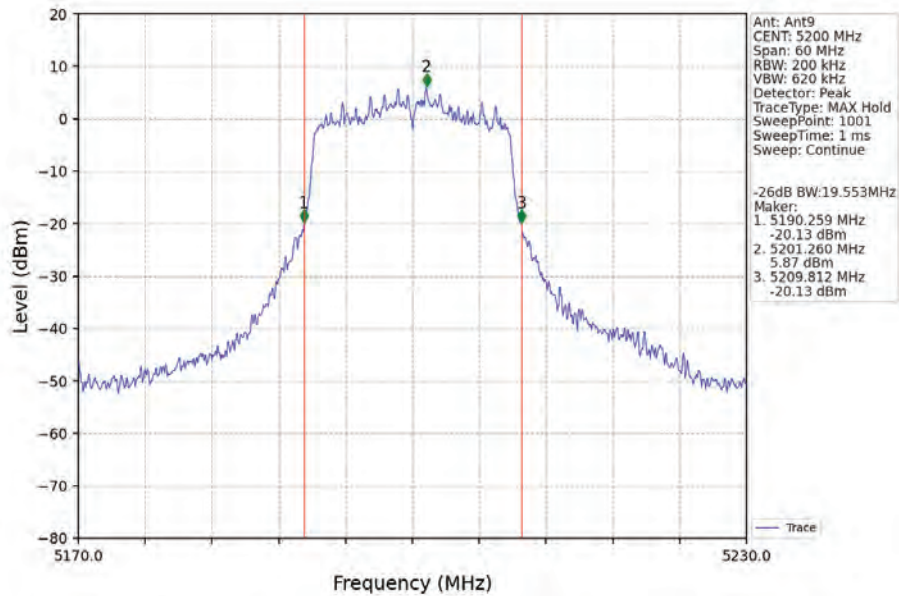
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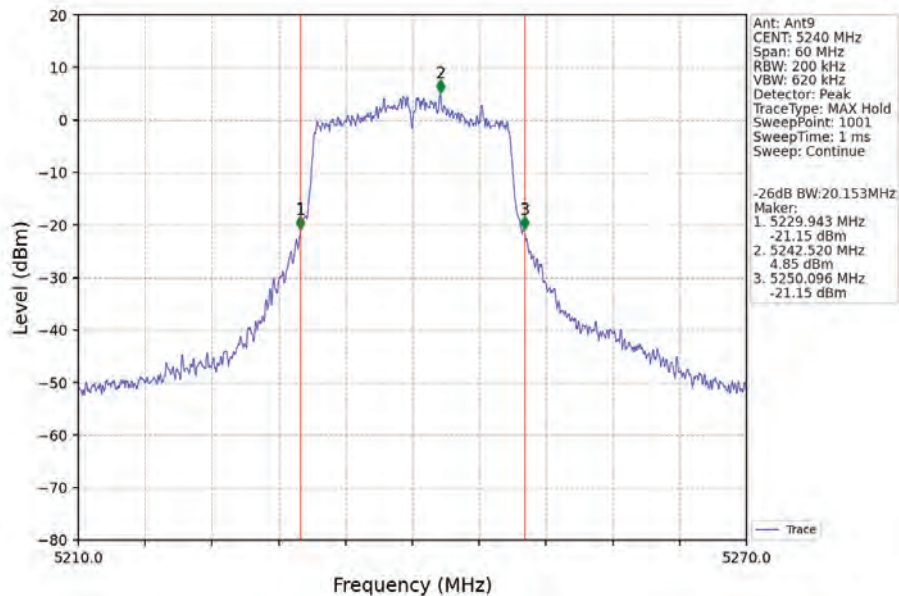
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802.11n(HT20)_MCH_5200MHz_Ant9_NTNV



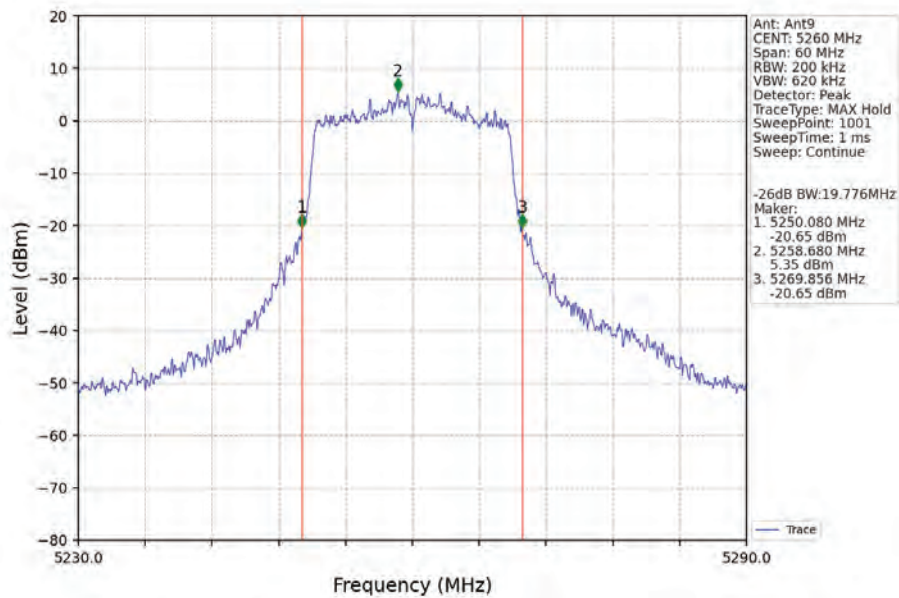
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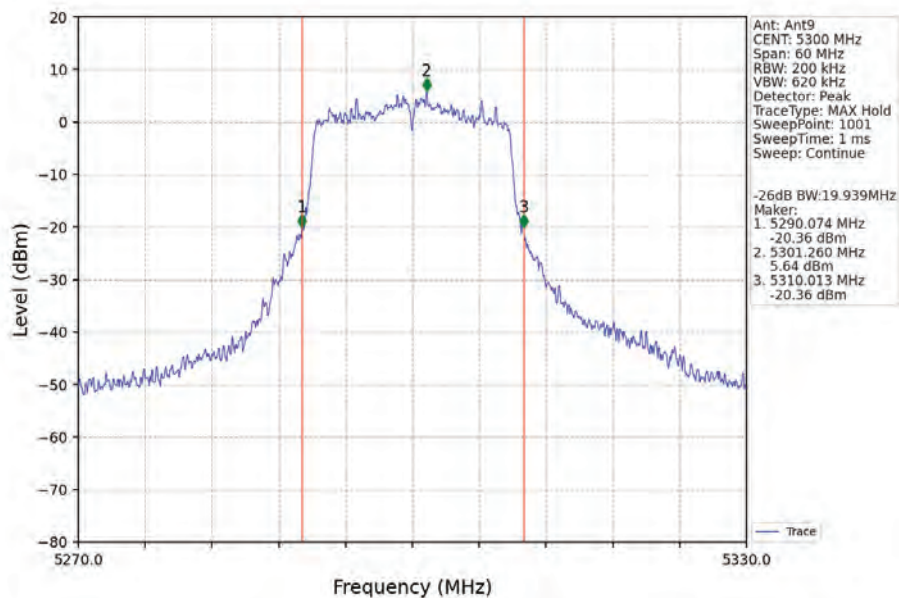
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802.11n(HT20)_LCH_5260MHz_Ant9_NTNV



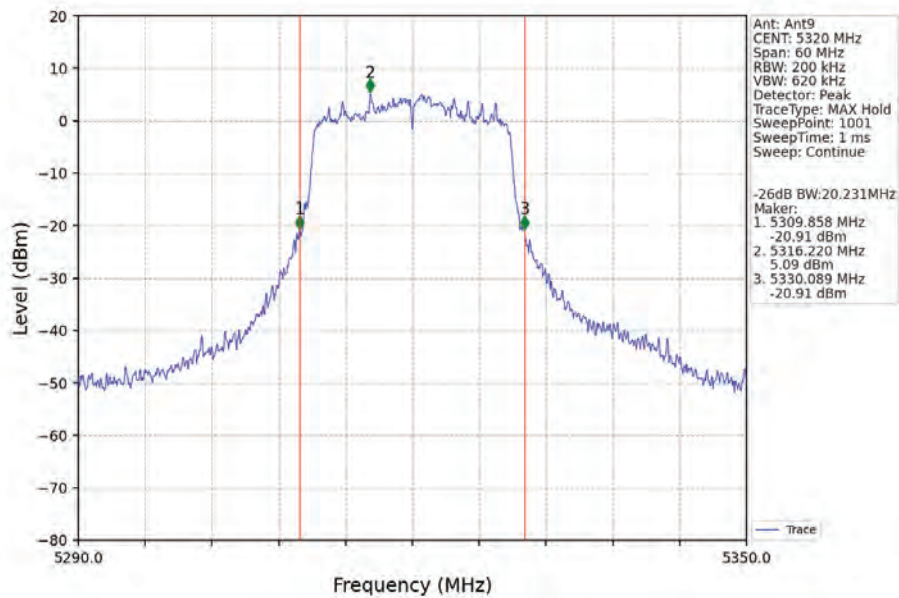
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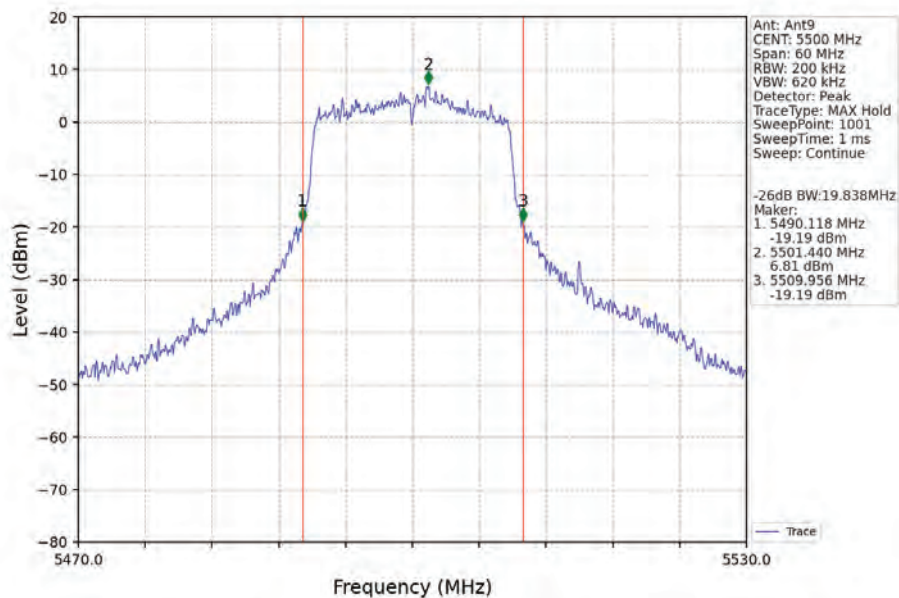
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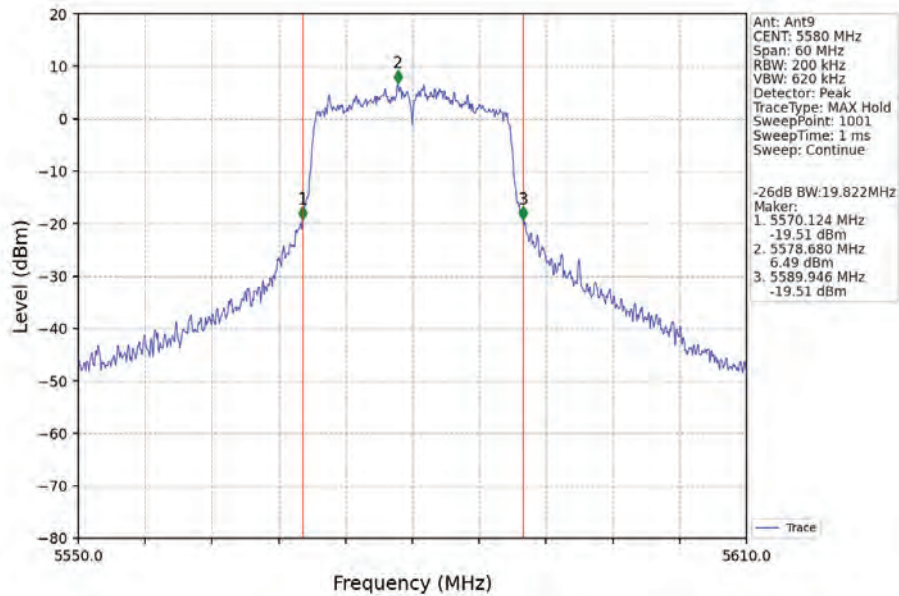
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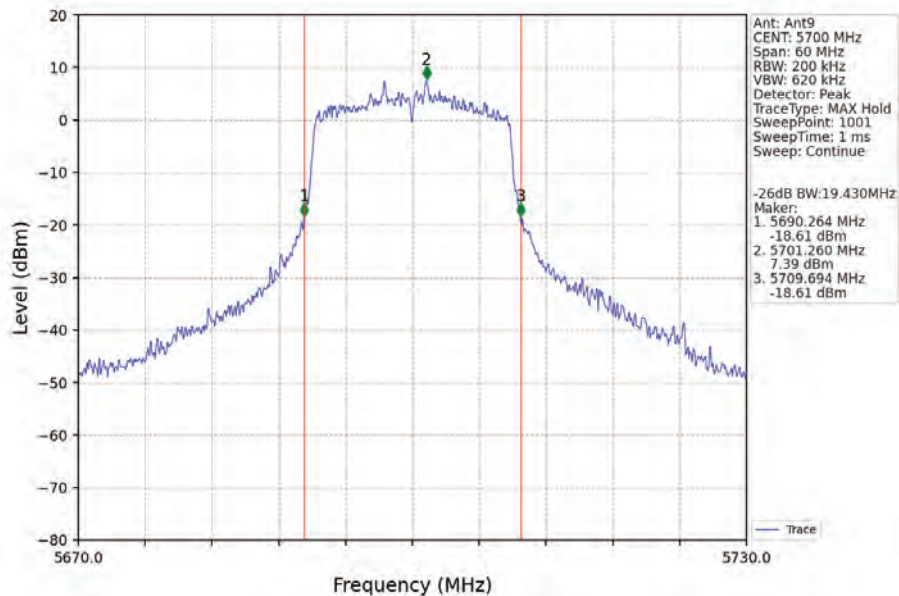
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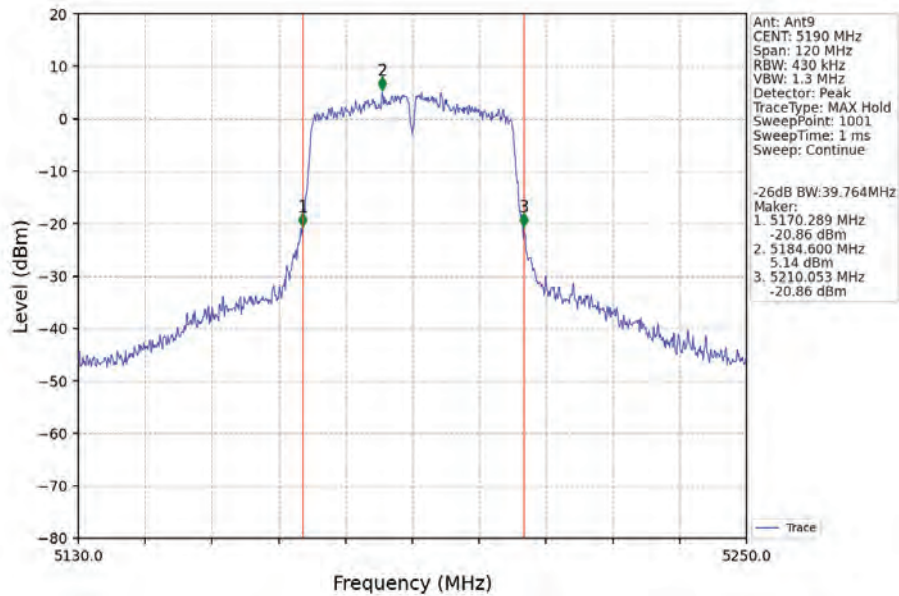
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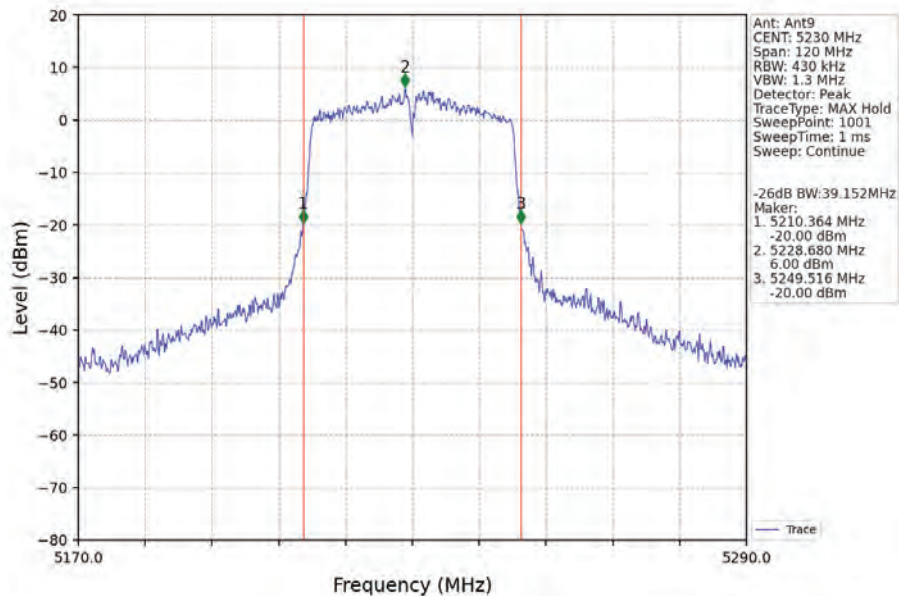
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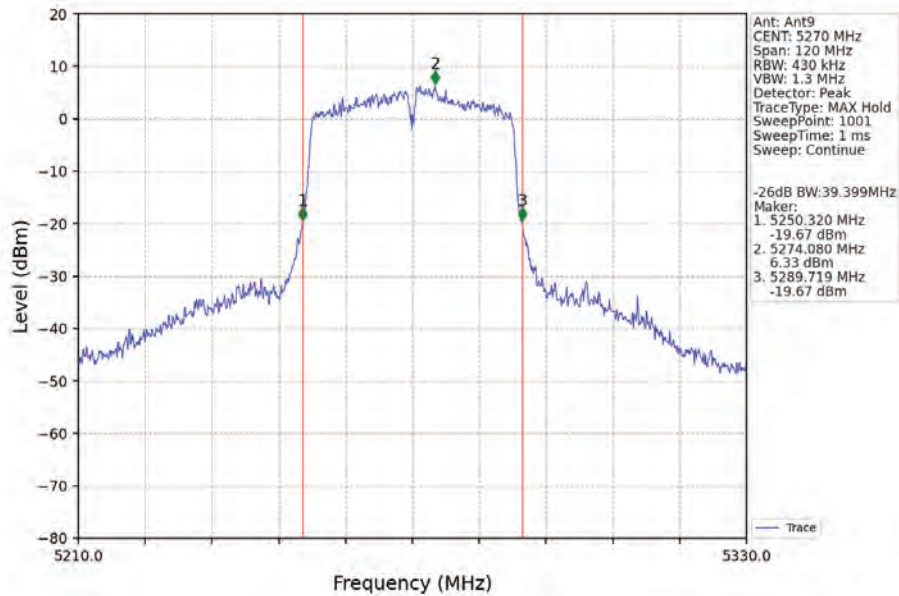
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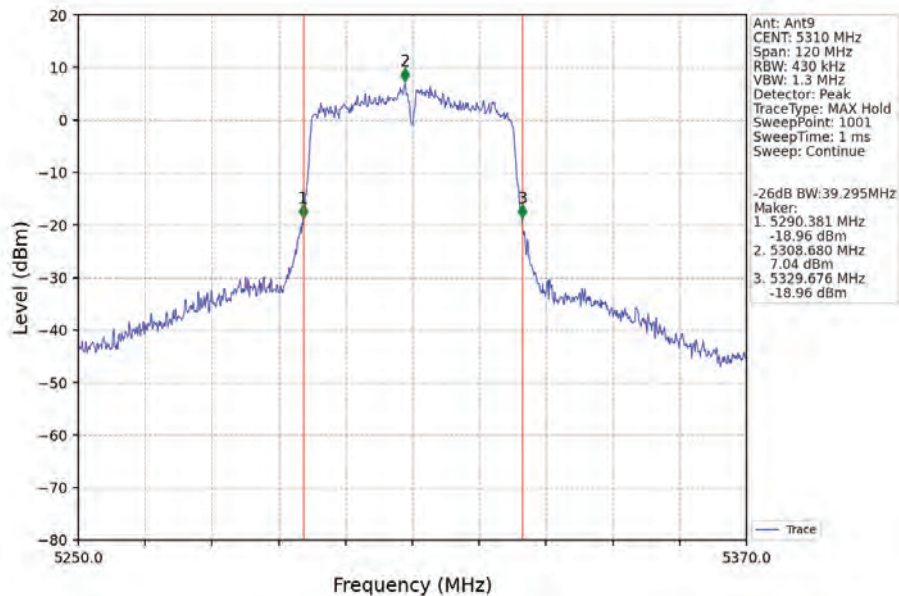
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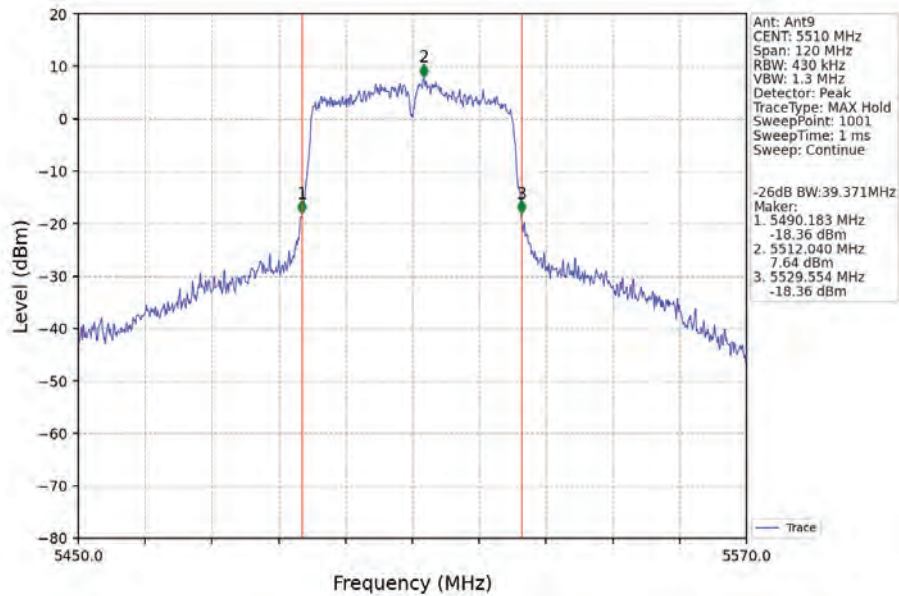
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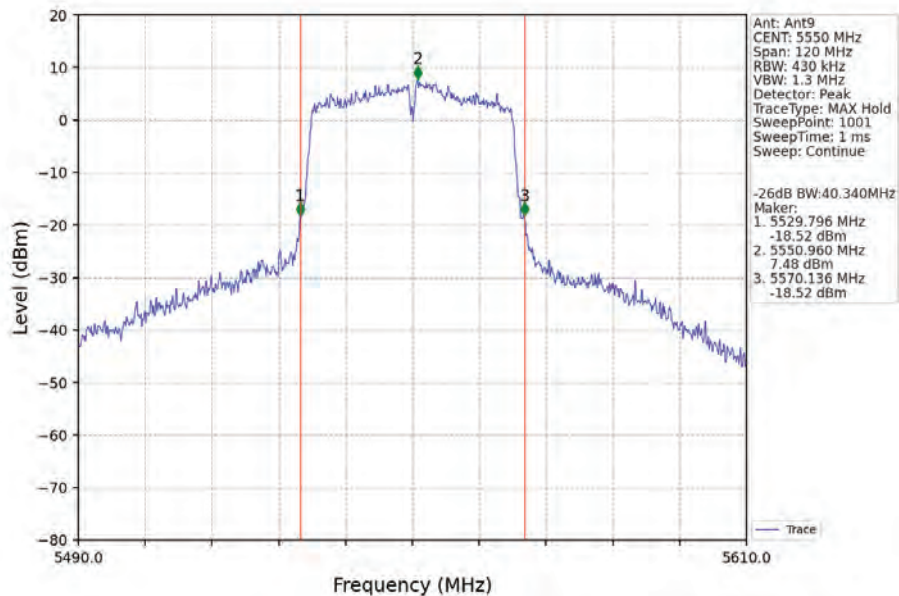
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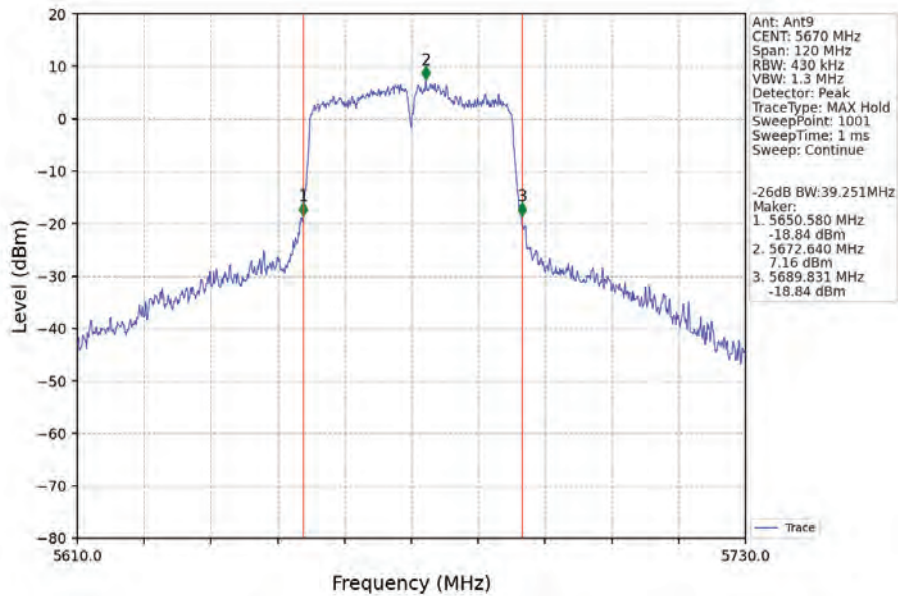
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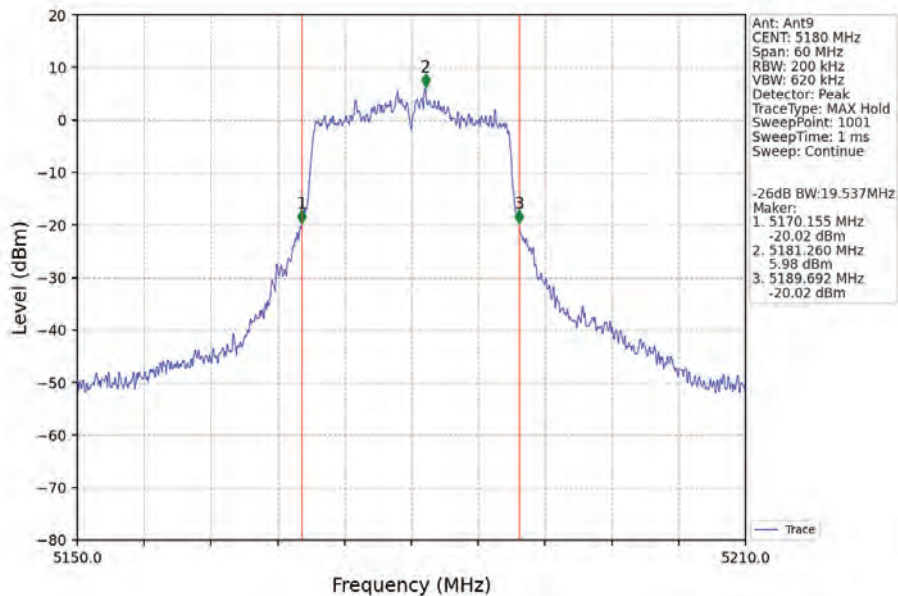
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802.11n(HT40)_HCH_5670MHz_Ant9_NTNV



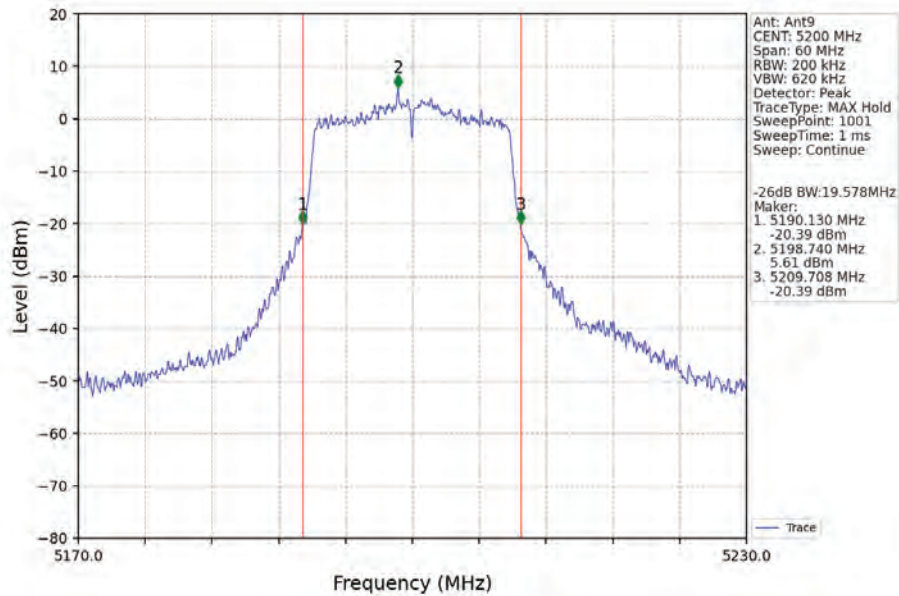
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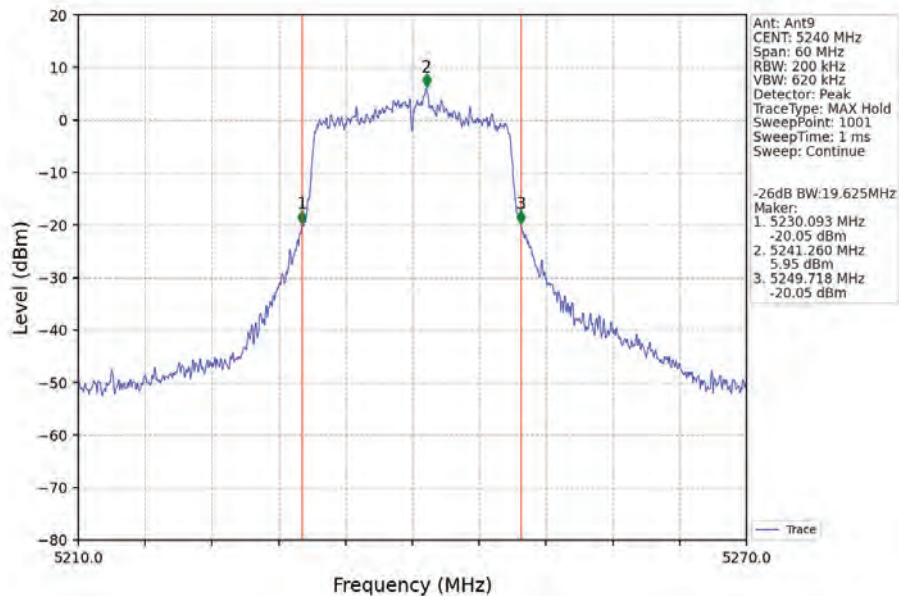
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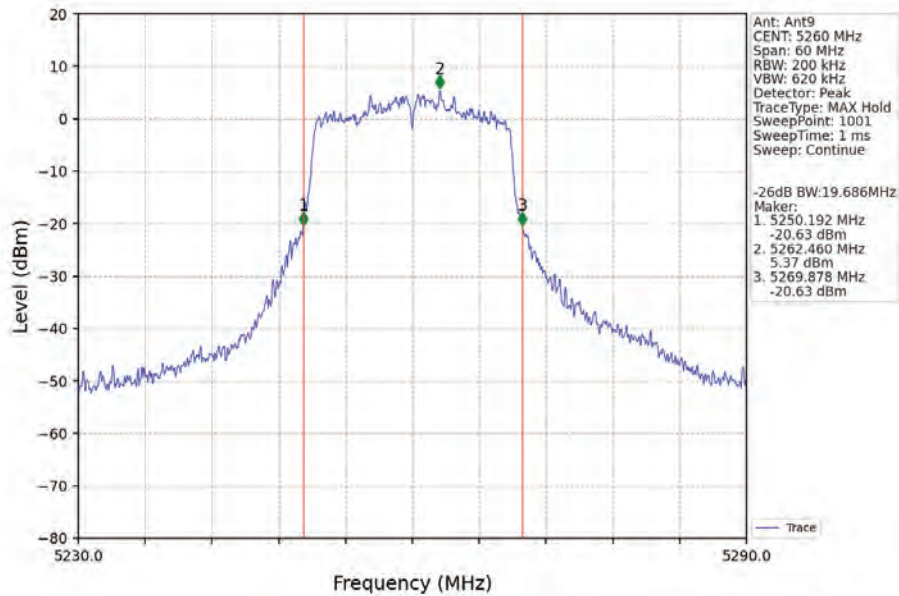
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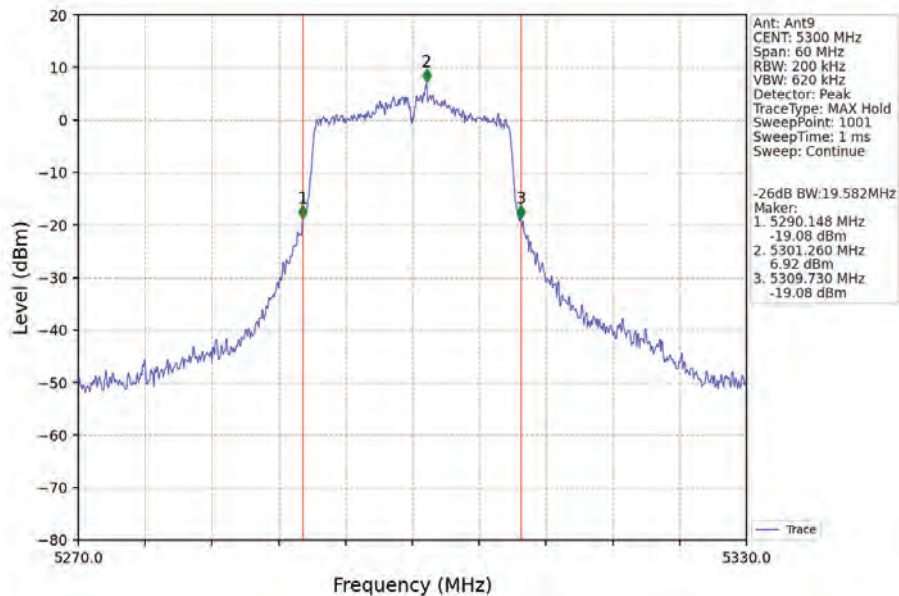
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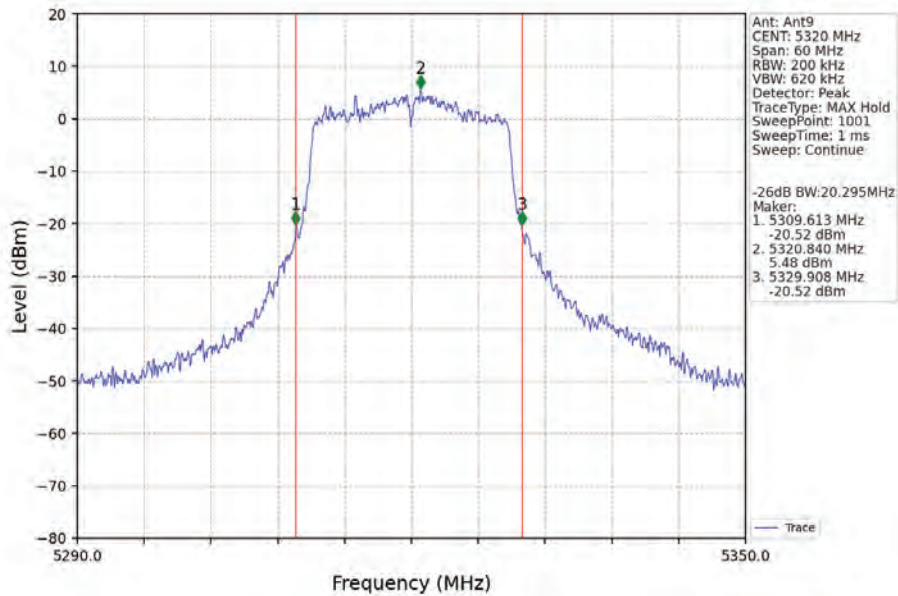
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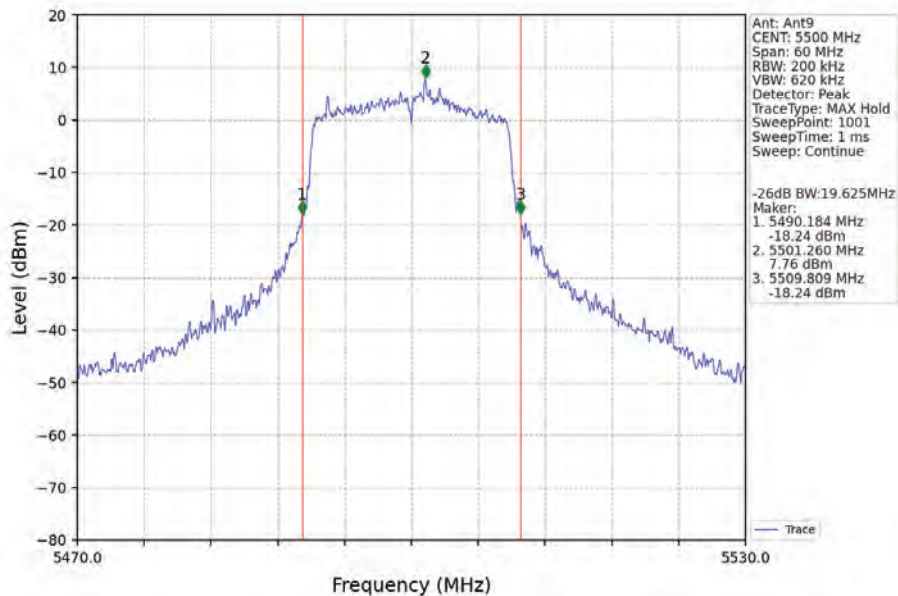
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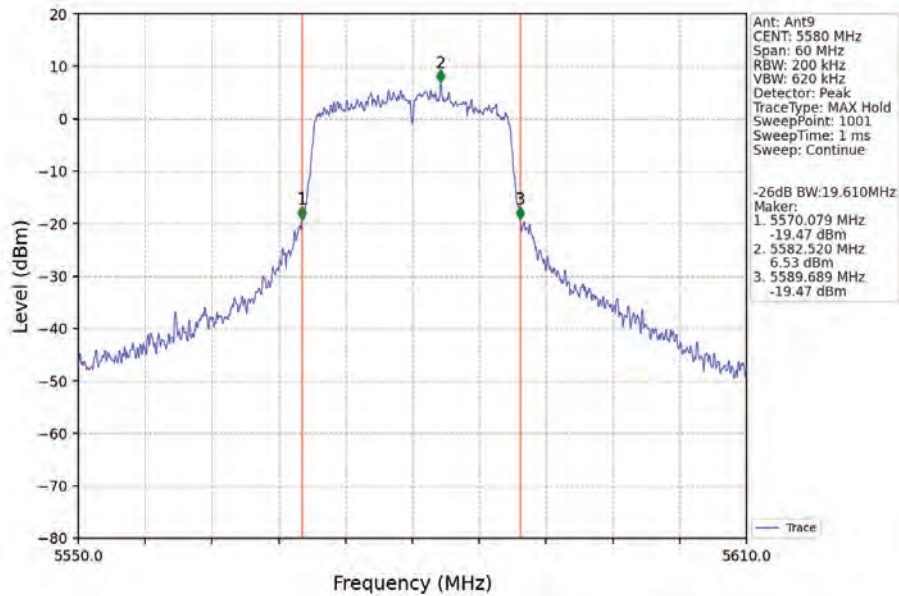
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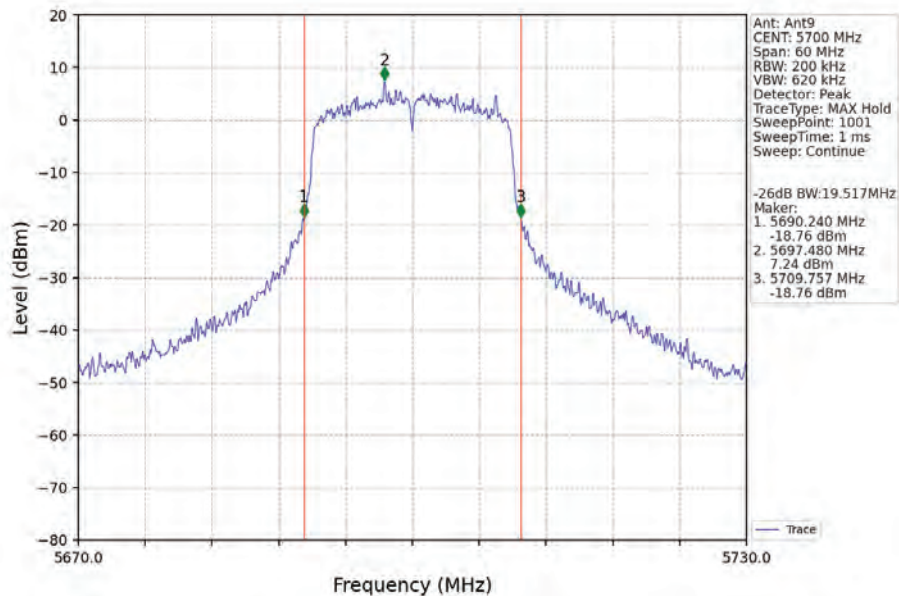
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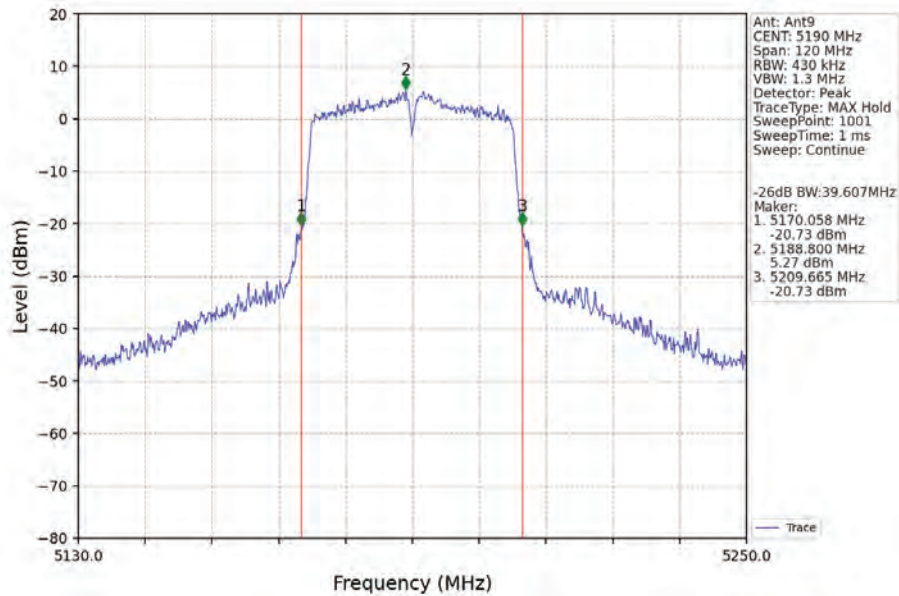
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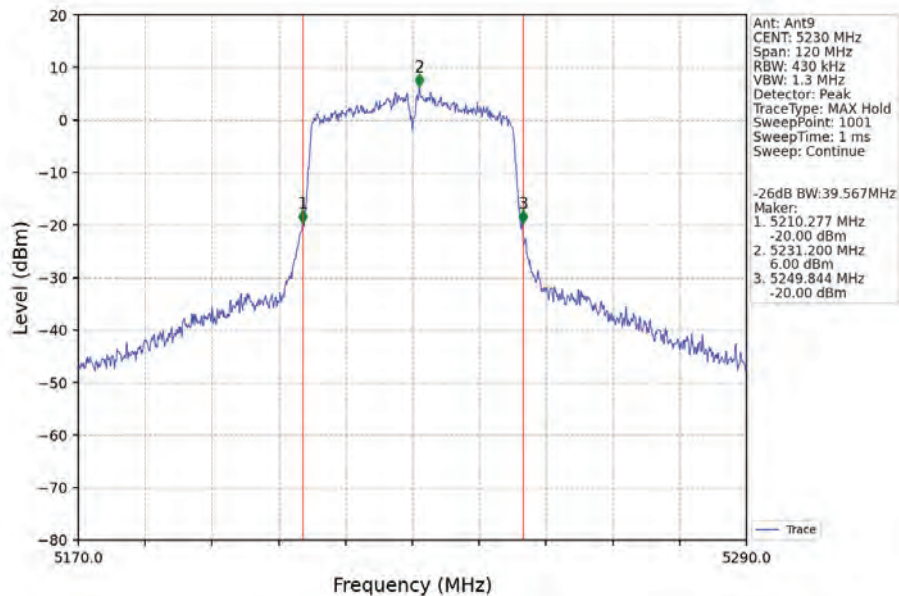
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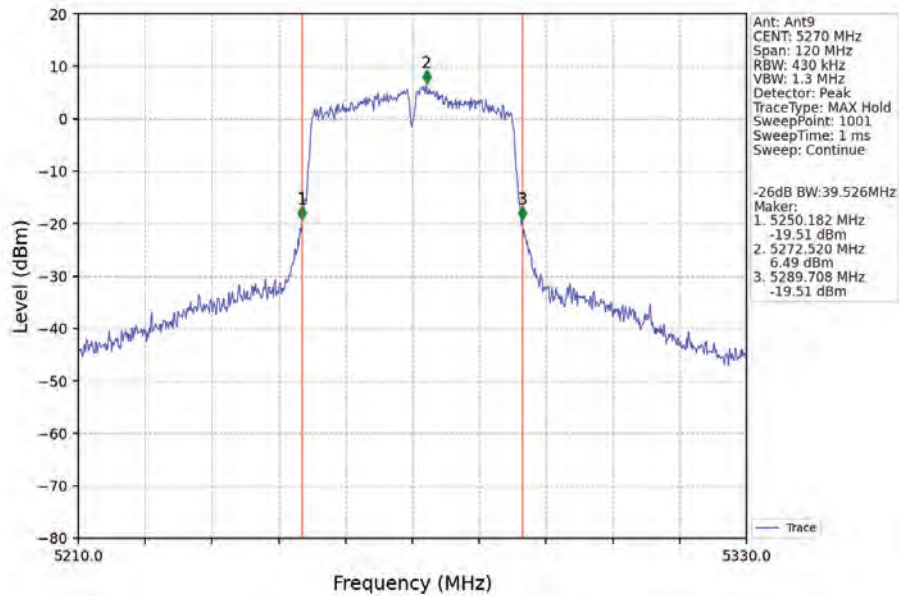
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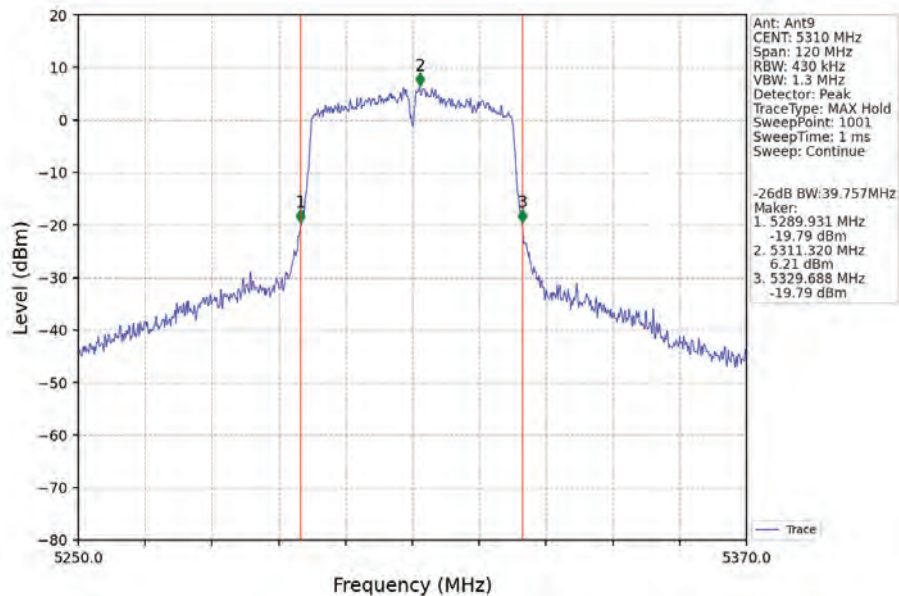
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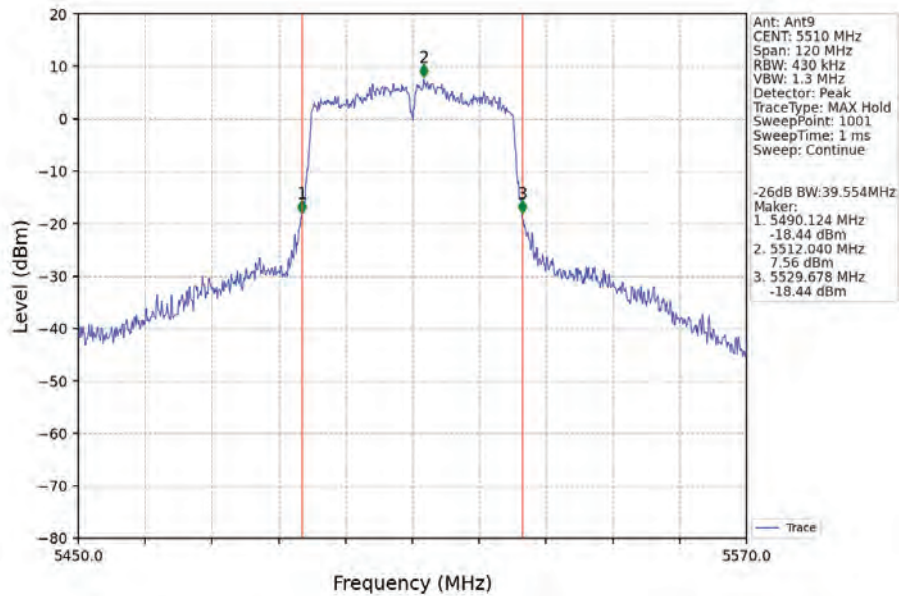
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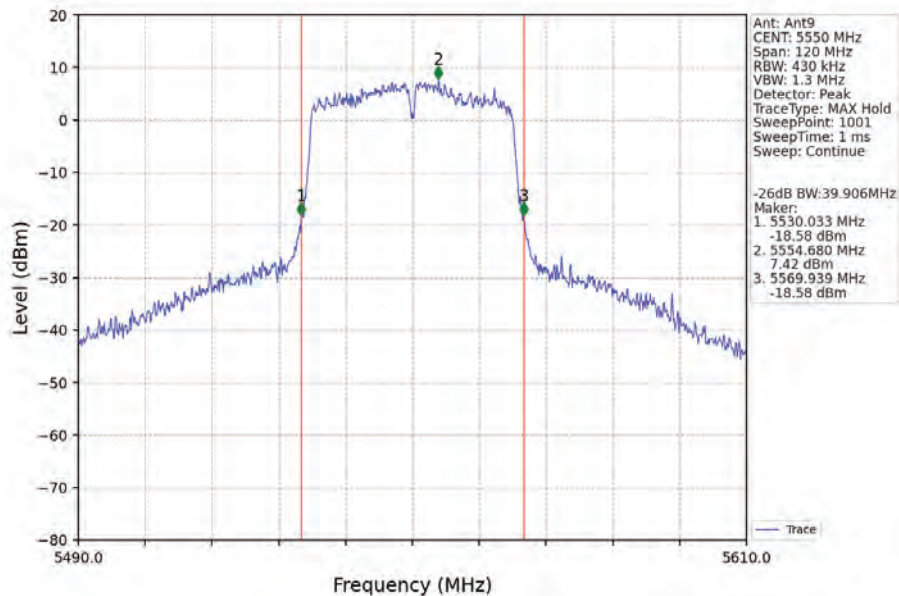
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802.11ac(VHT40)_MCH_5550MHz_Ant9_NTNV



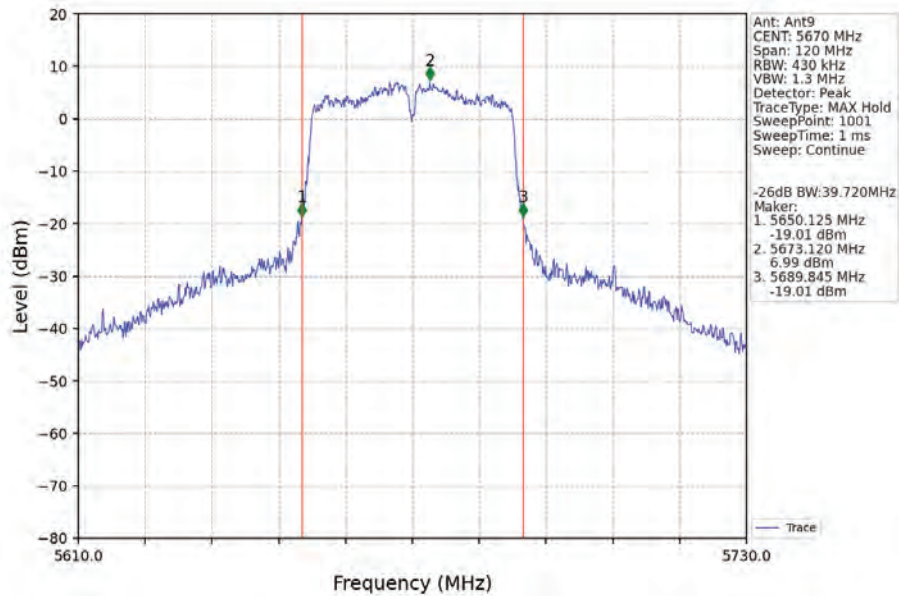
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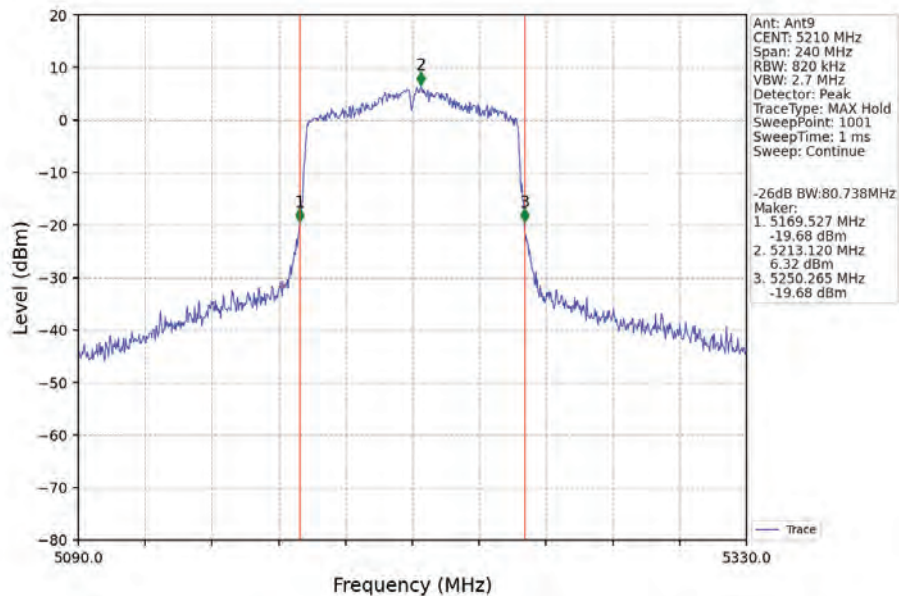
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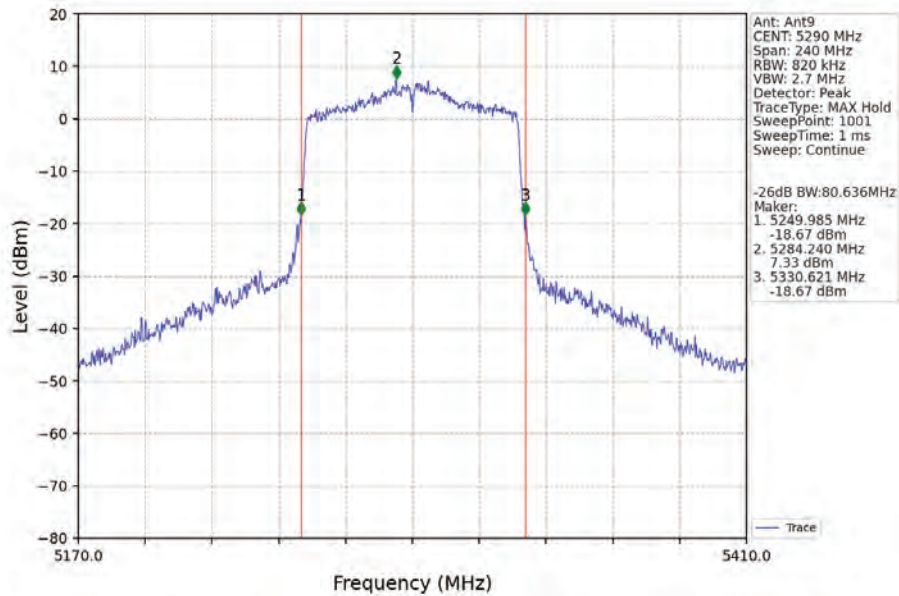
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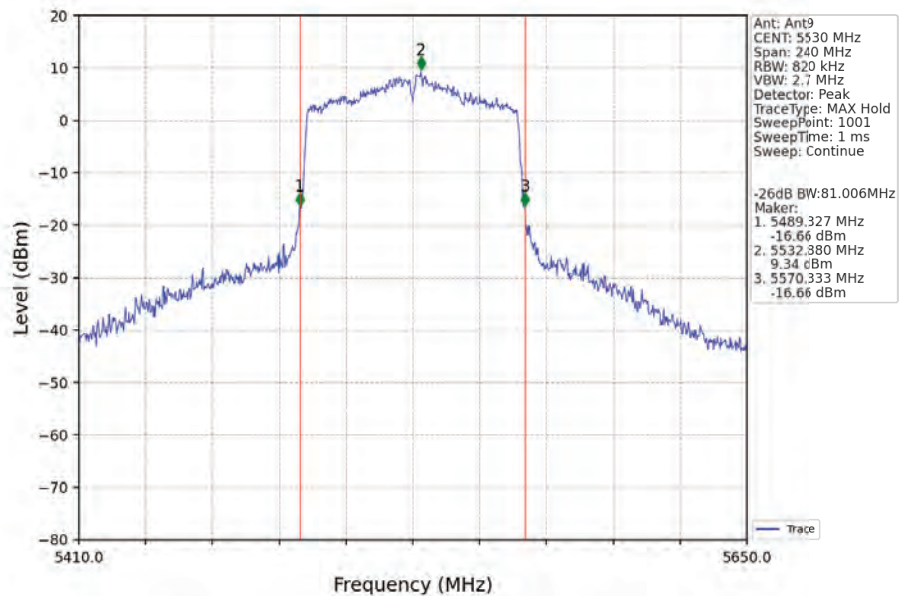
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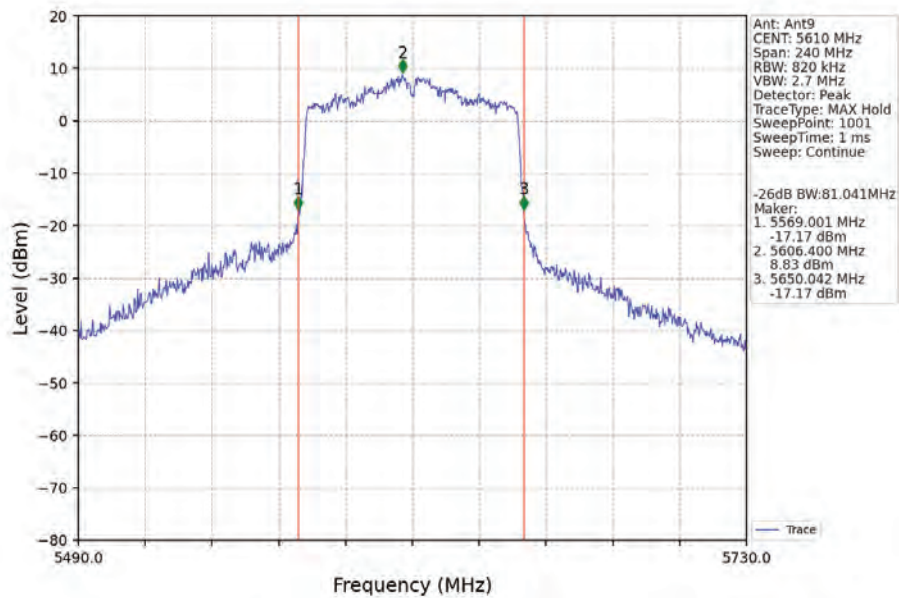
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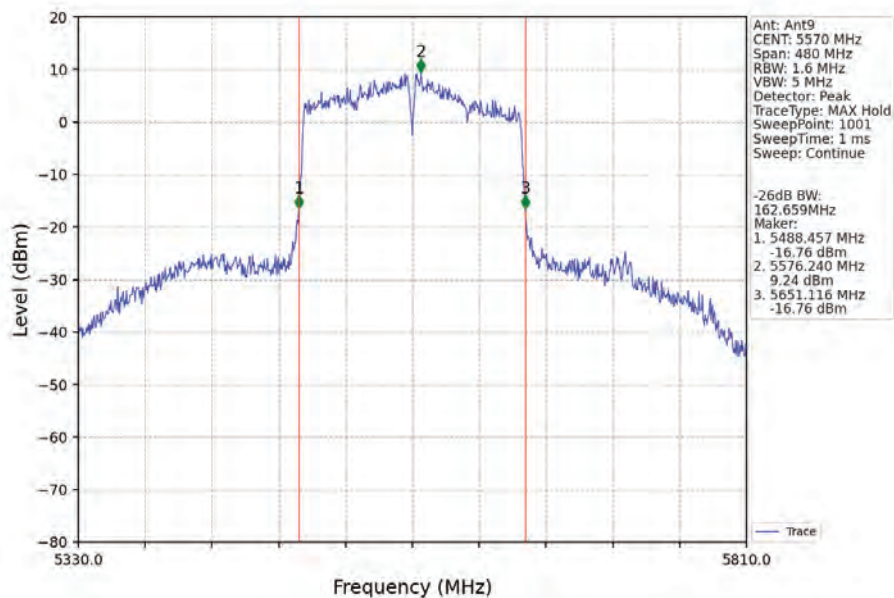
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802.11ac(VHT80)_HCH_5610MHz_Ant9_NTNV



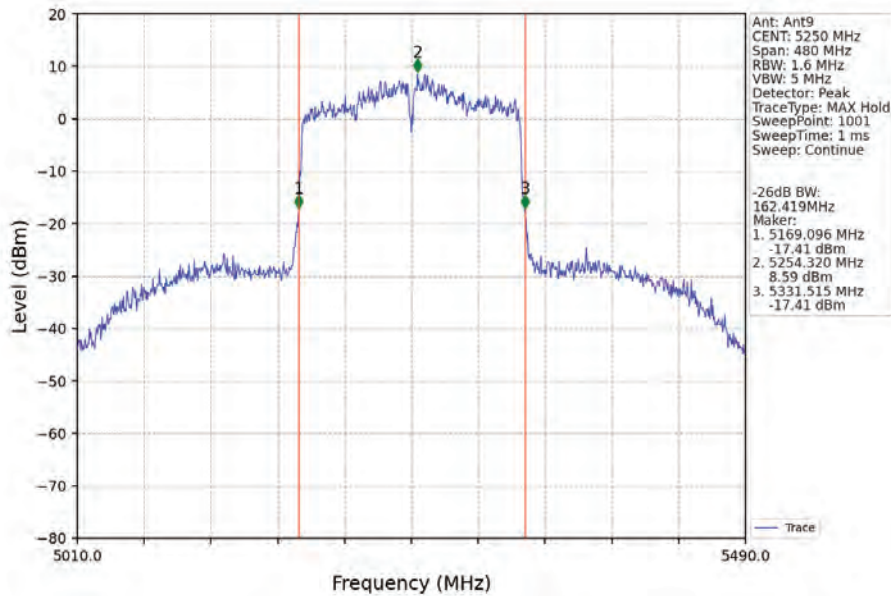
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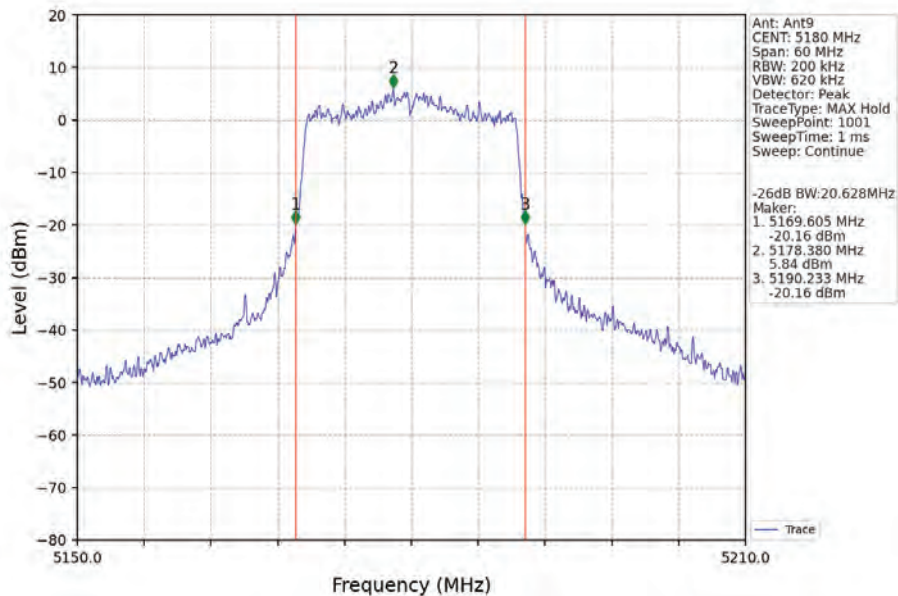
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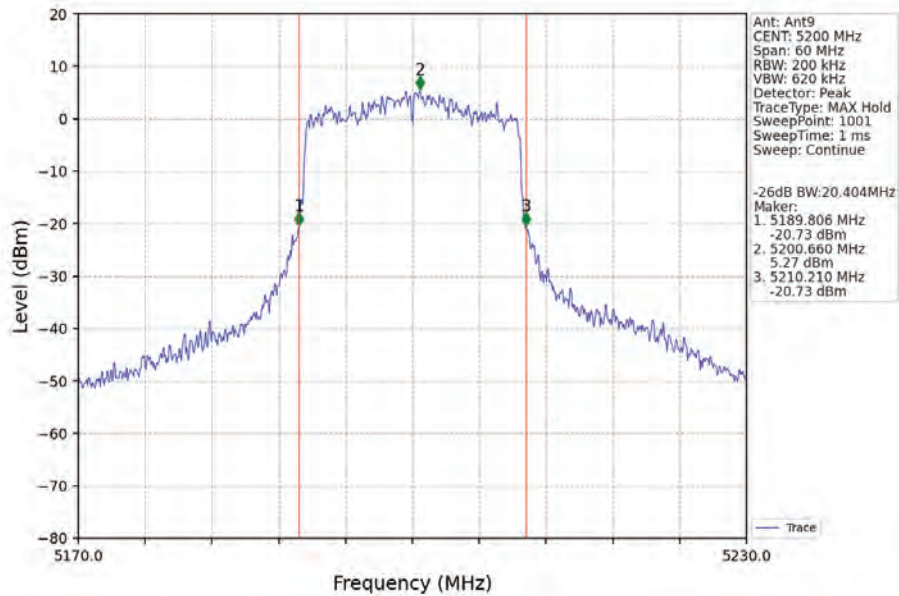
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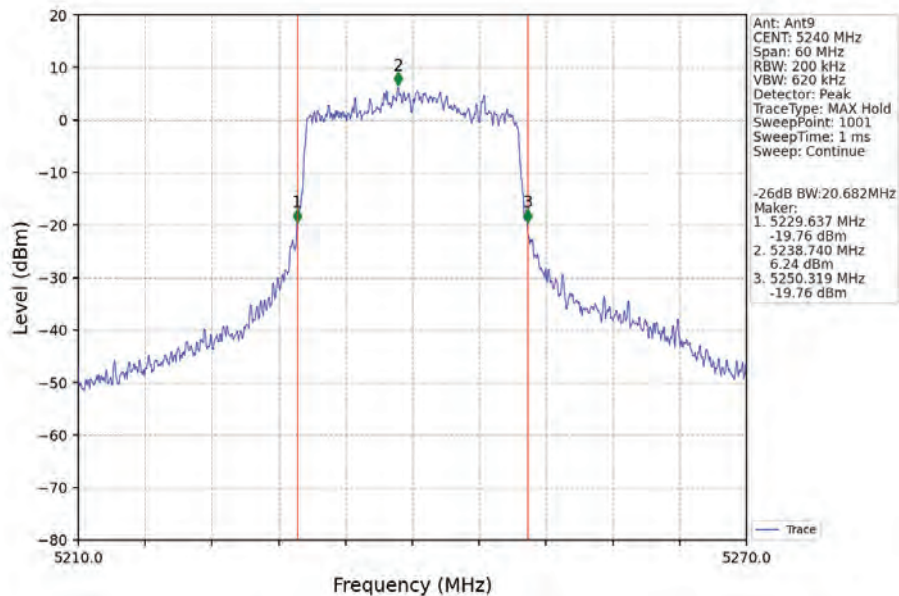
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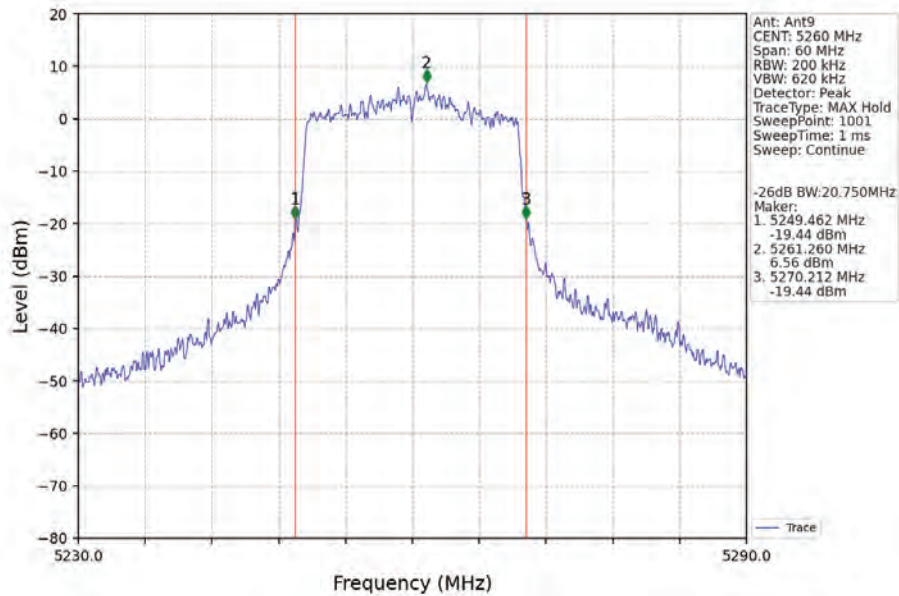
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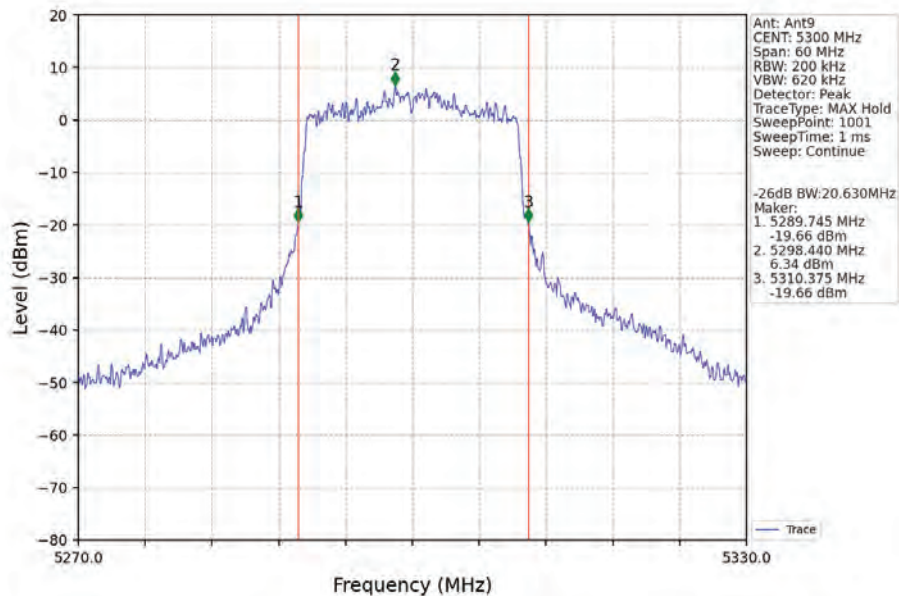
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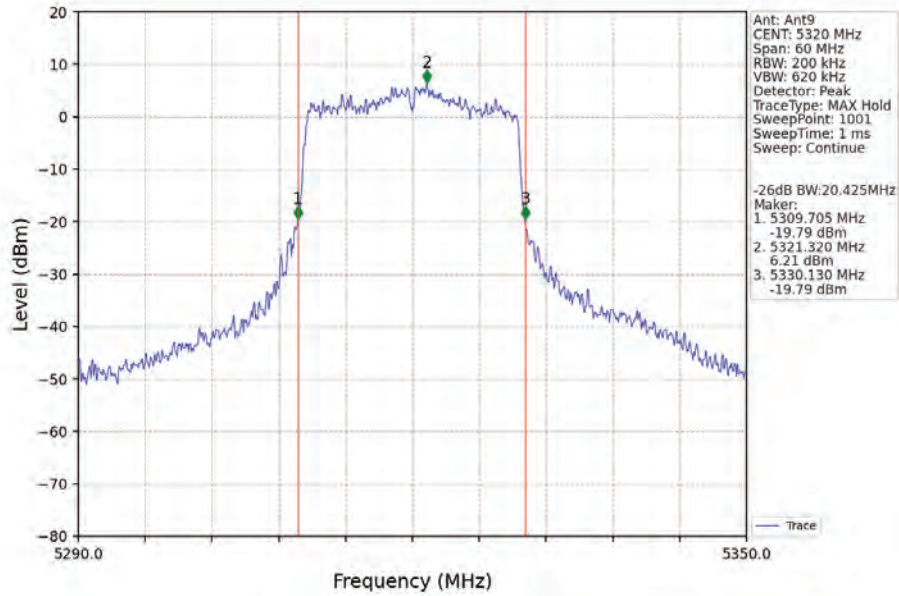
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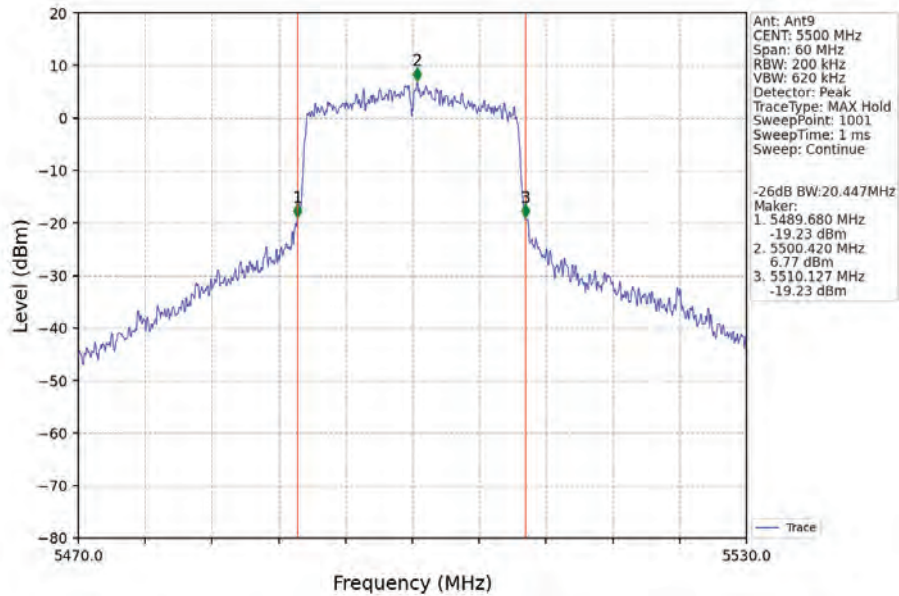
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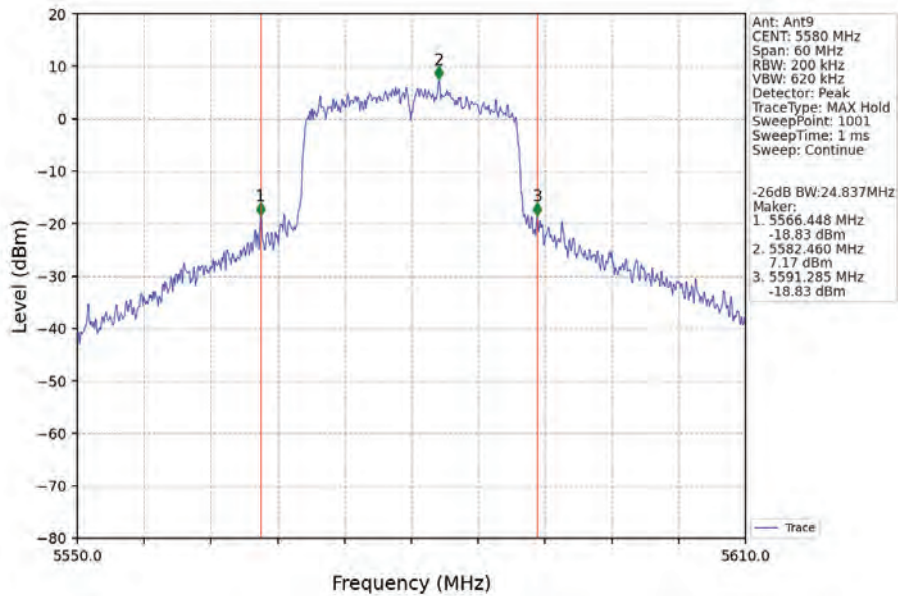
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802.11ax(HEW20)_LCH_5500MHz_RU242_Left_Ant9_NTNV



802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant9_NTNV



802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant9_NTNV

