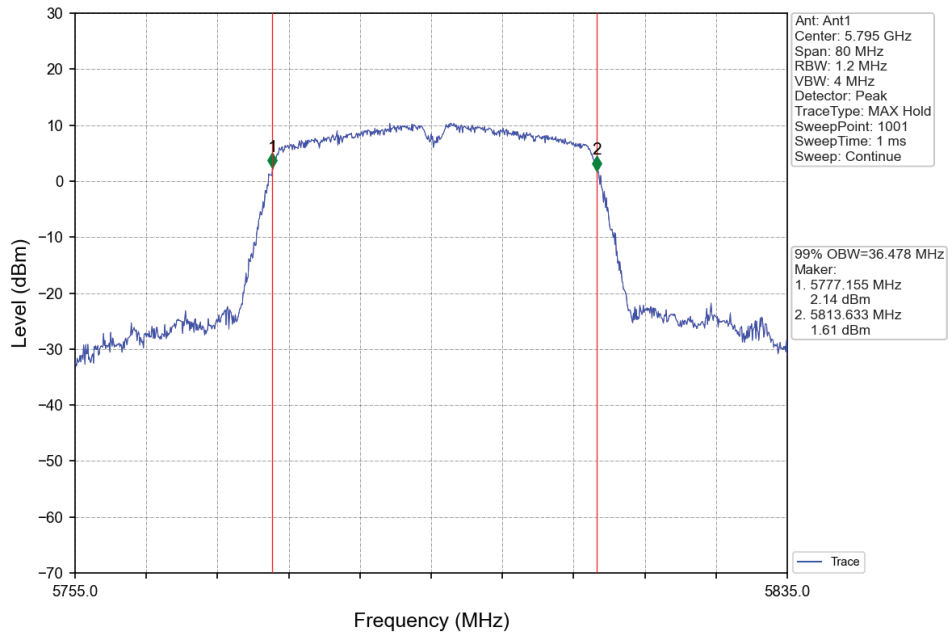
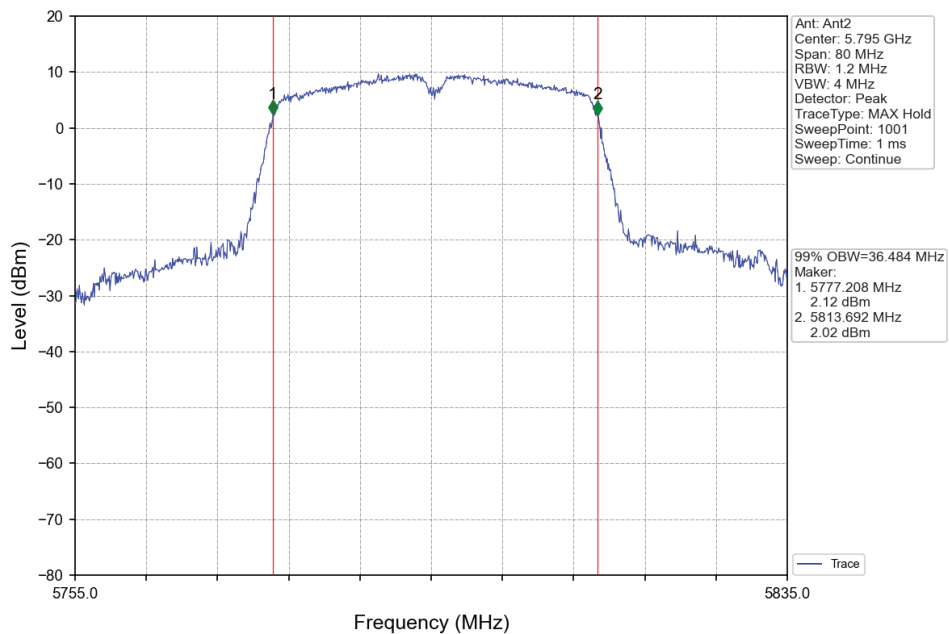


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



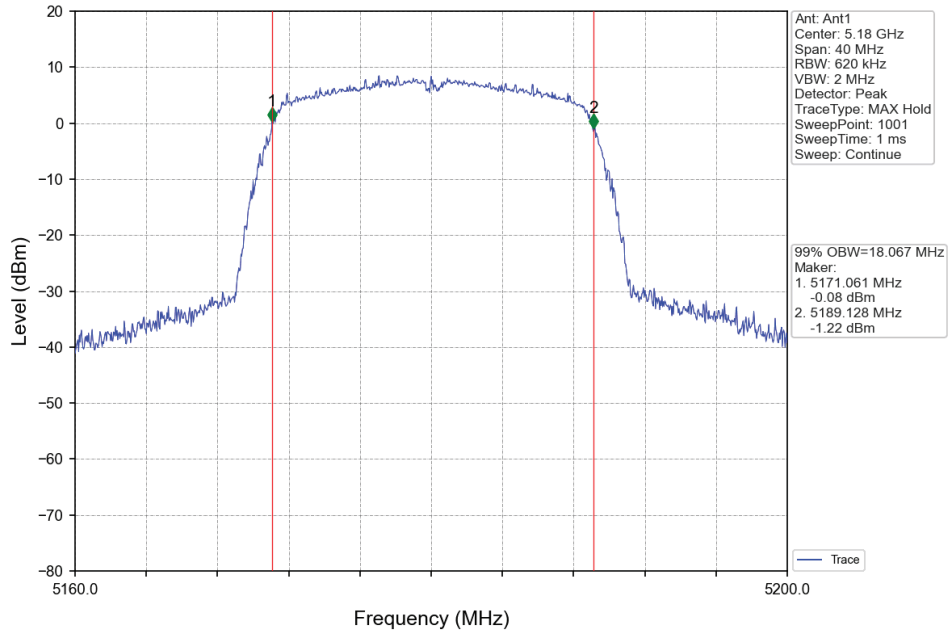
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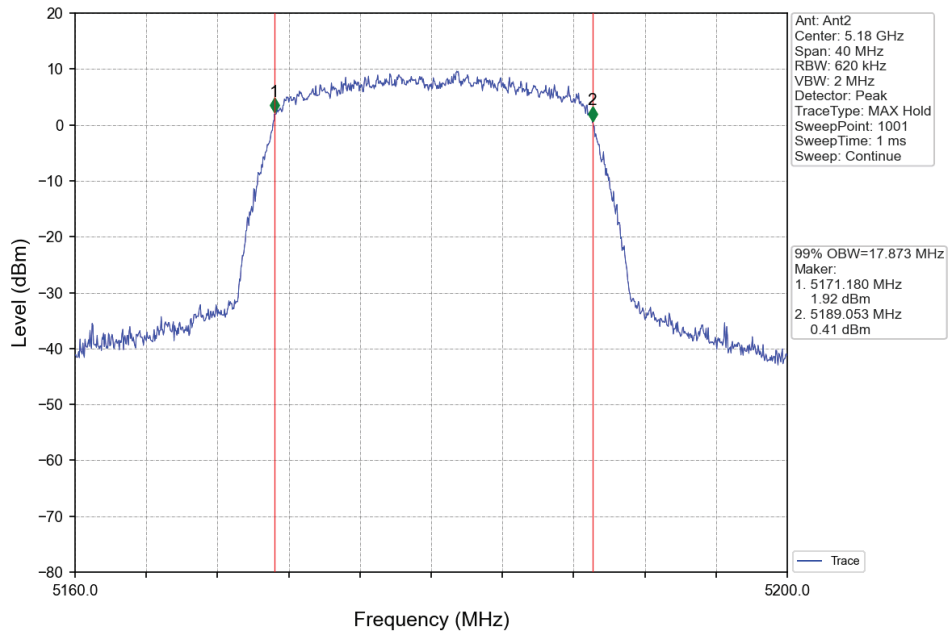
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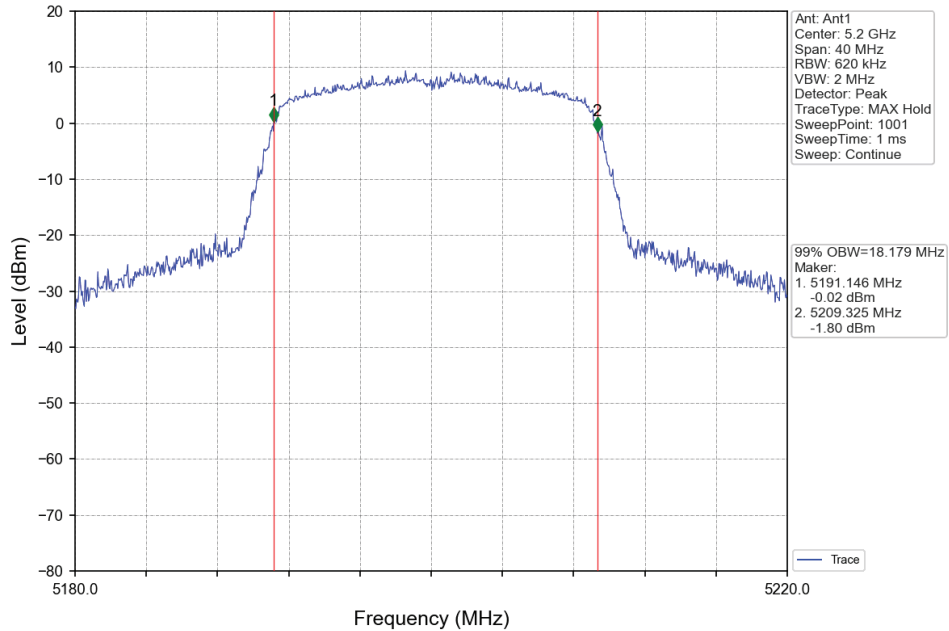
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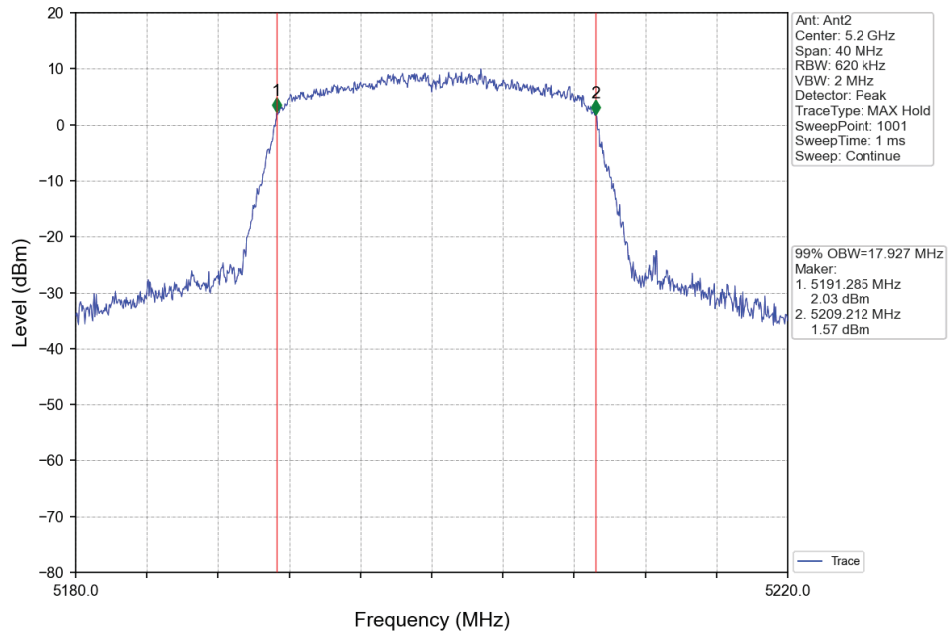
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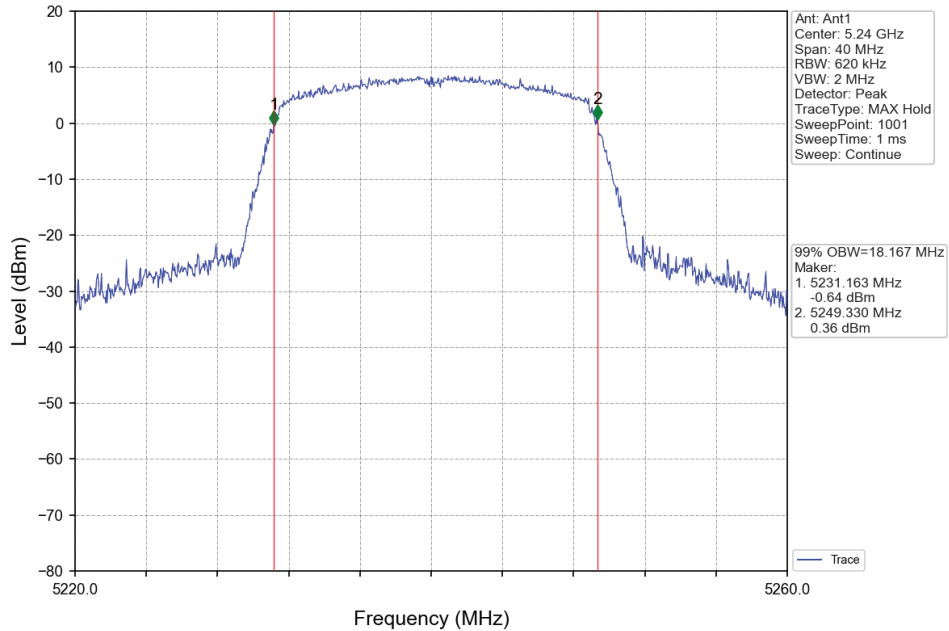
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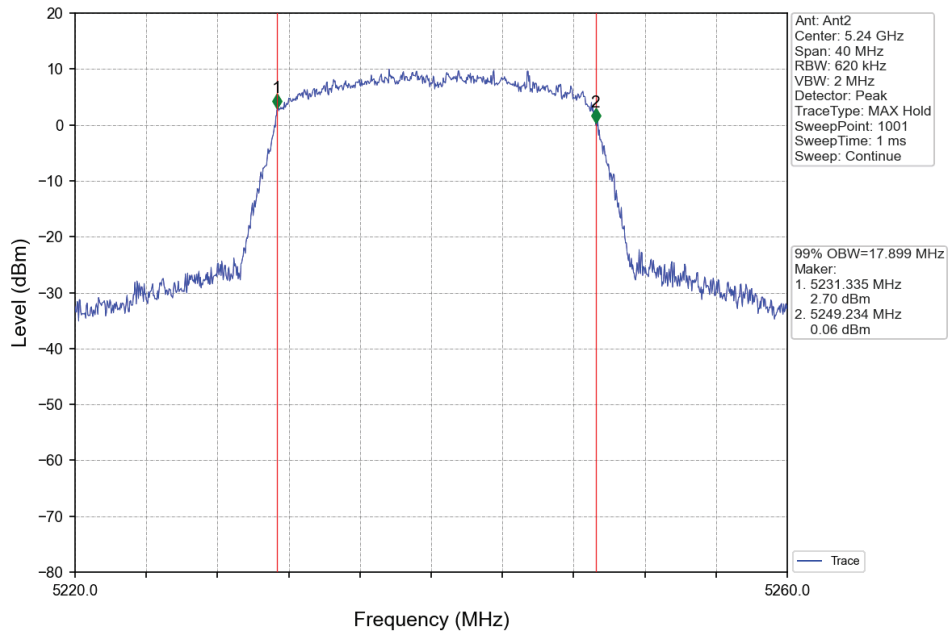
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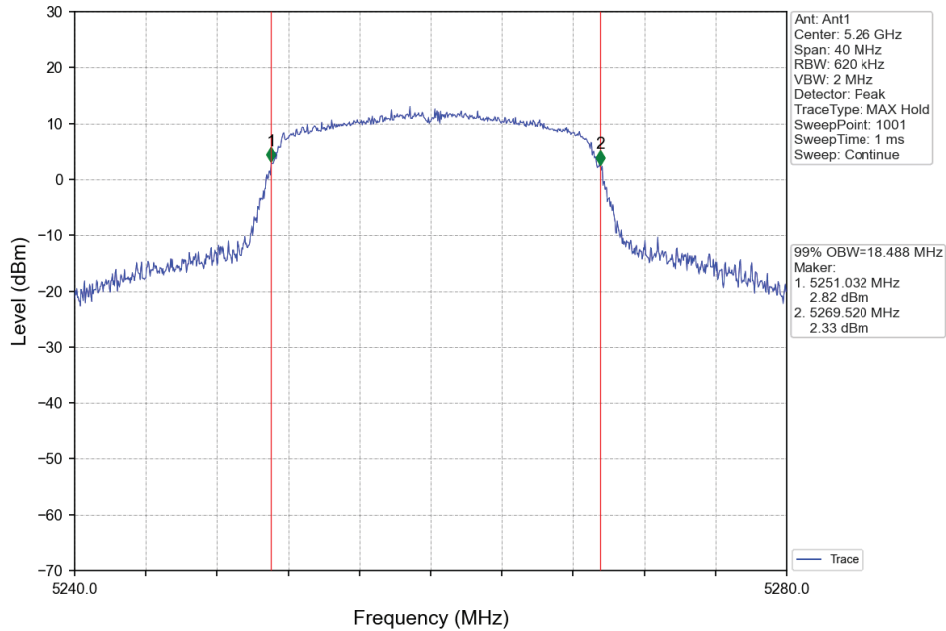
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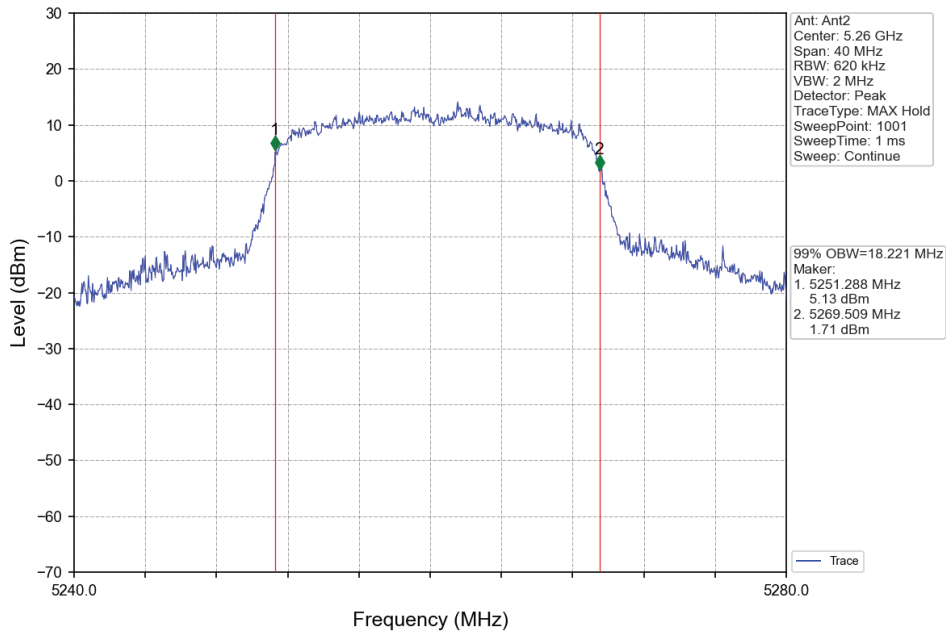
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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



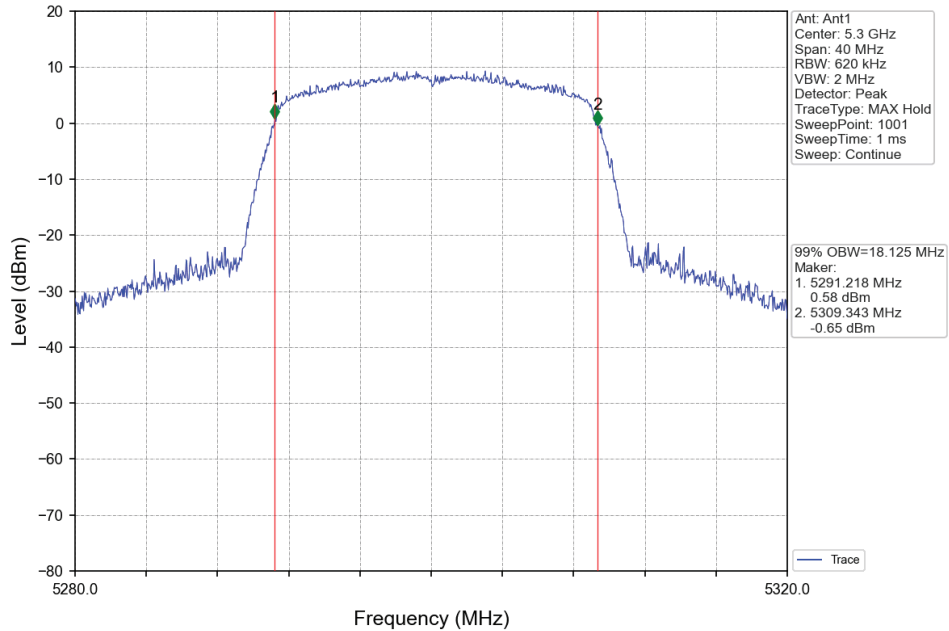
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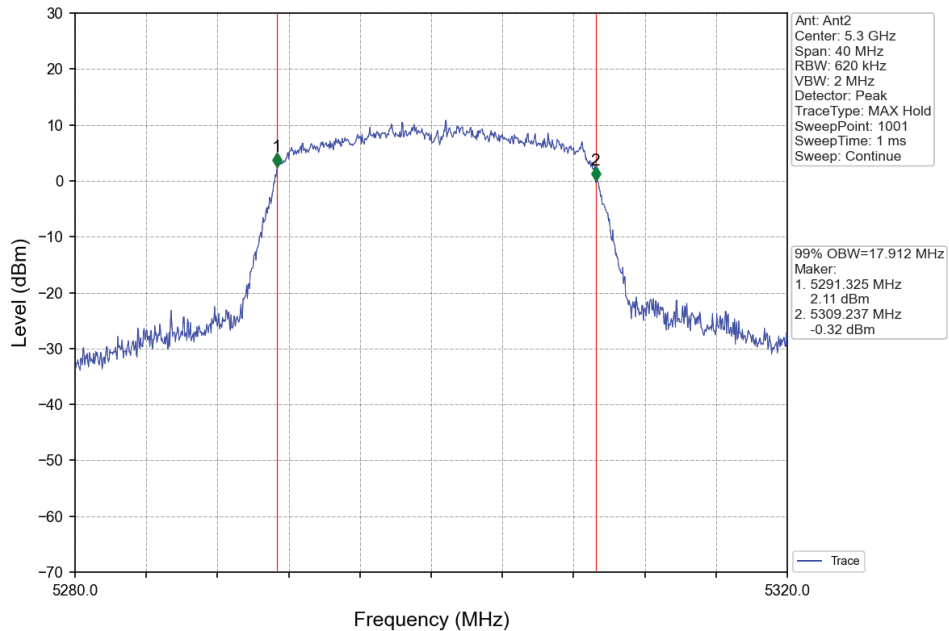
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802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



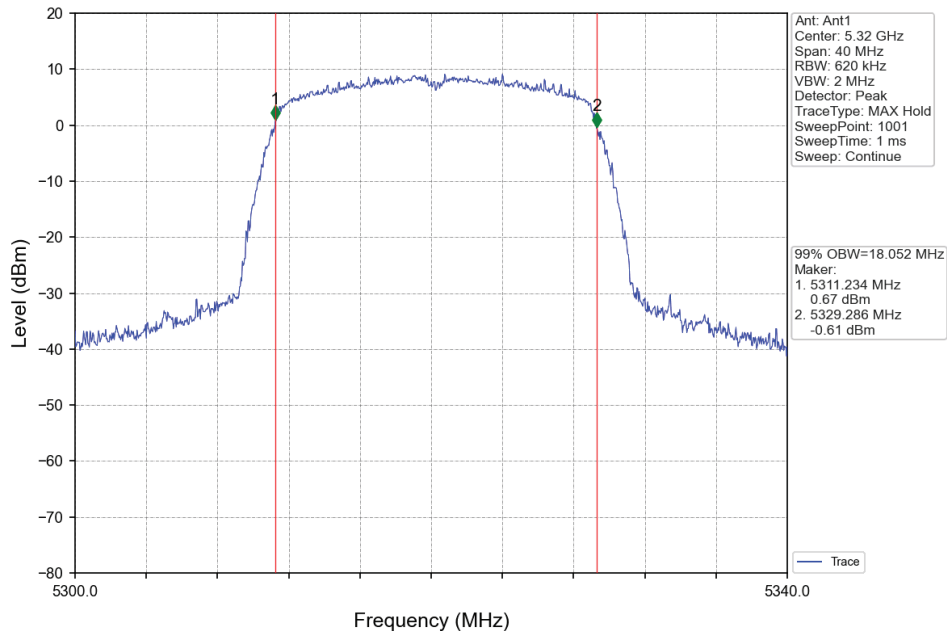
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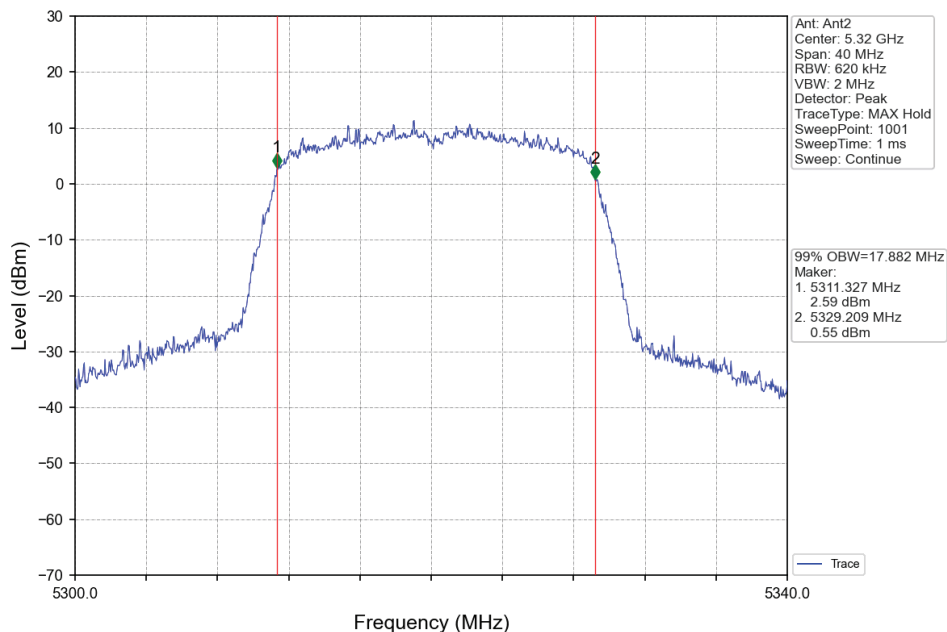
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



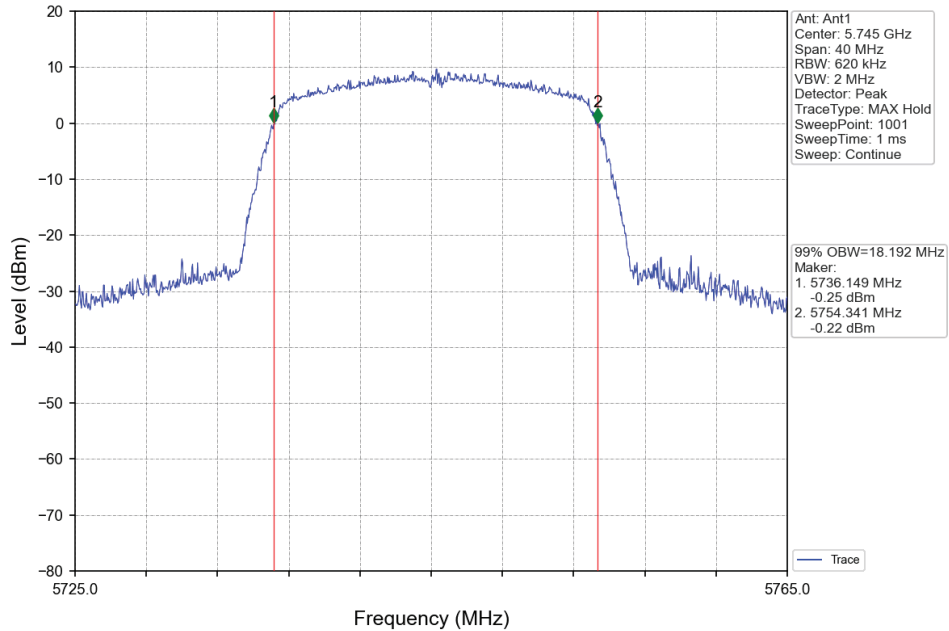
802.11ac(VHT20)_HCH_5320MHz_Ant2_NTNV



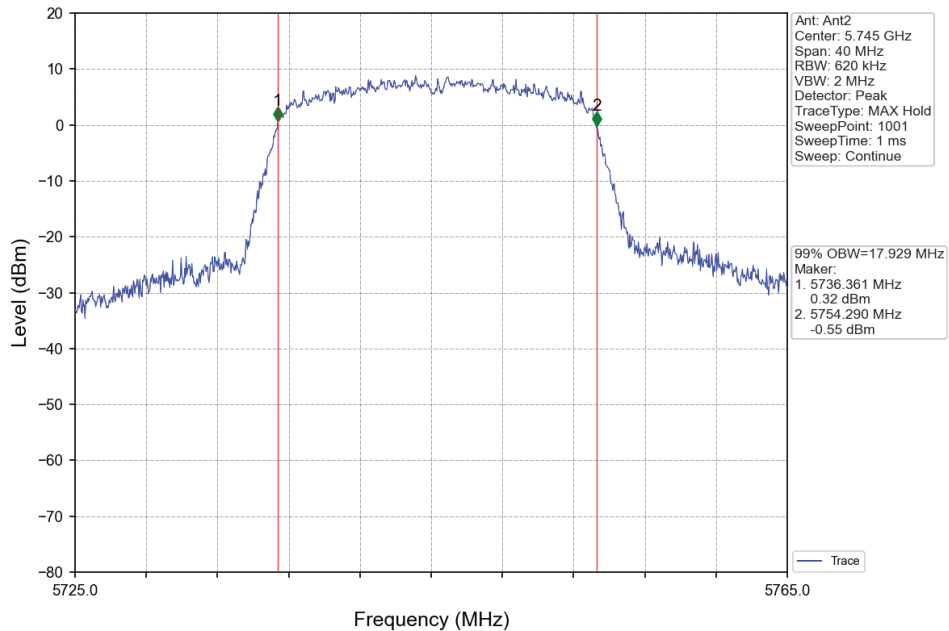
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



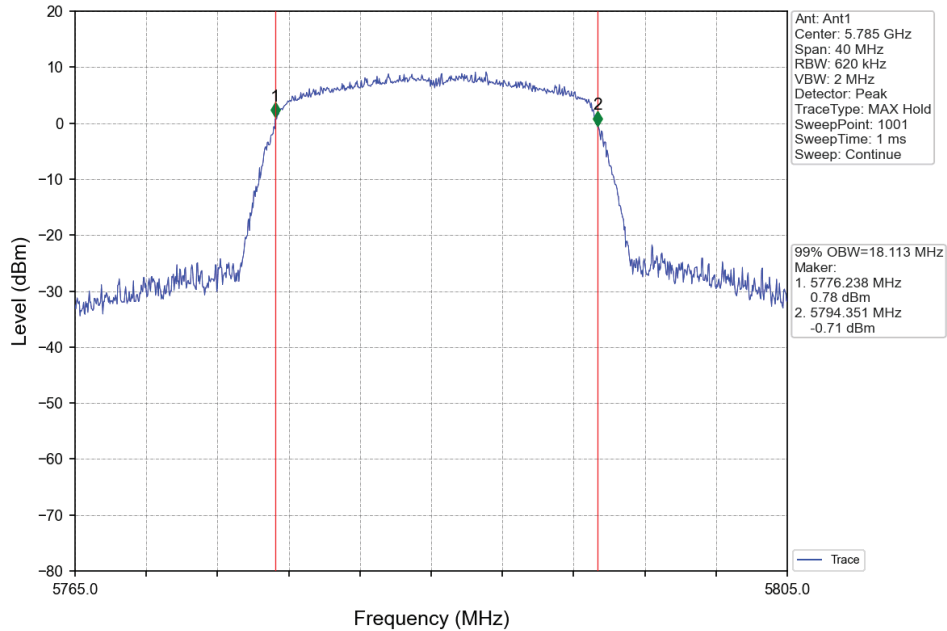
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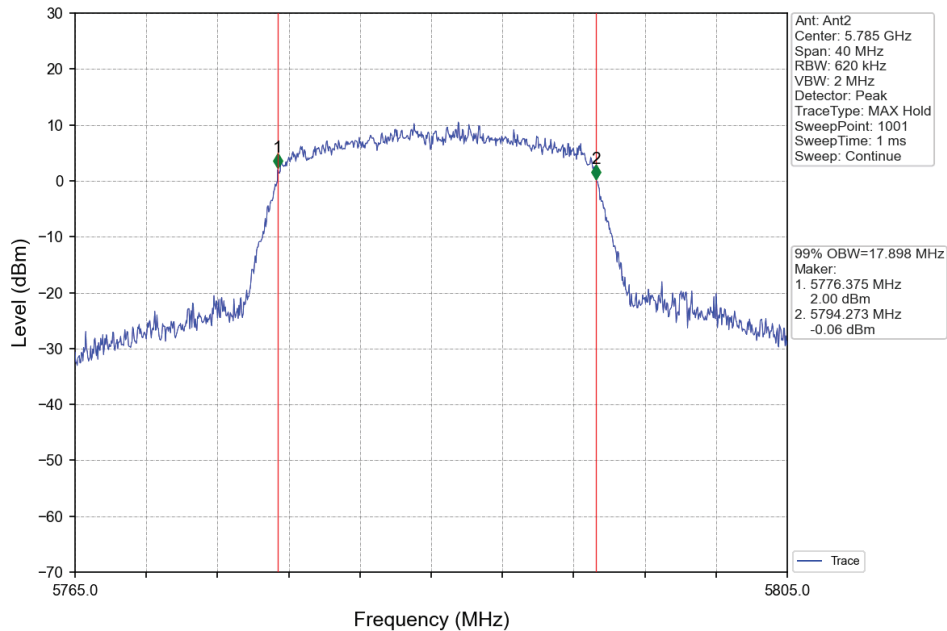
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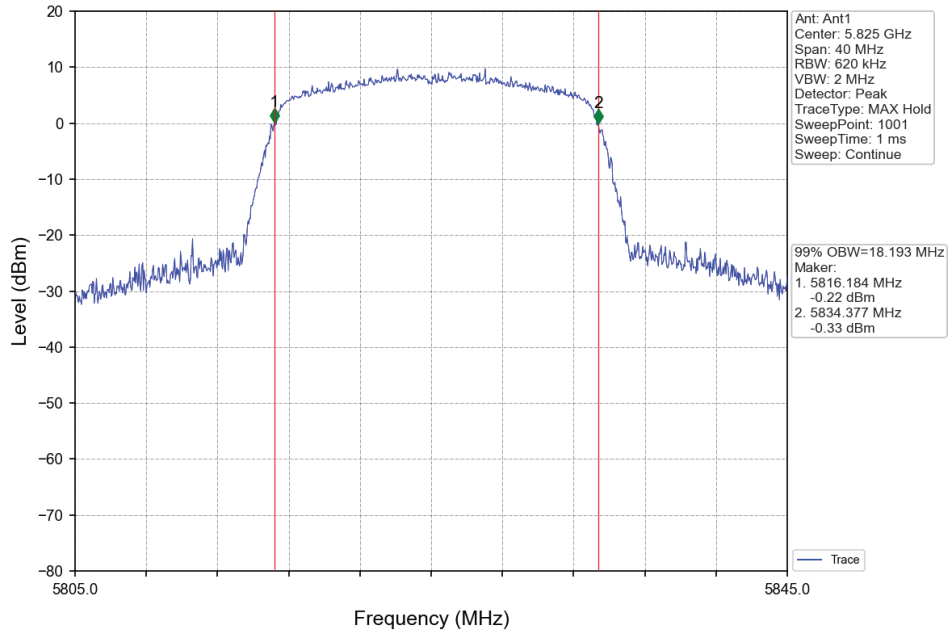
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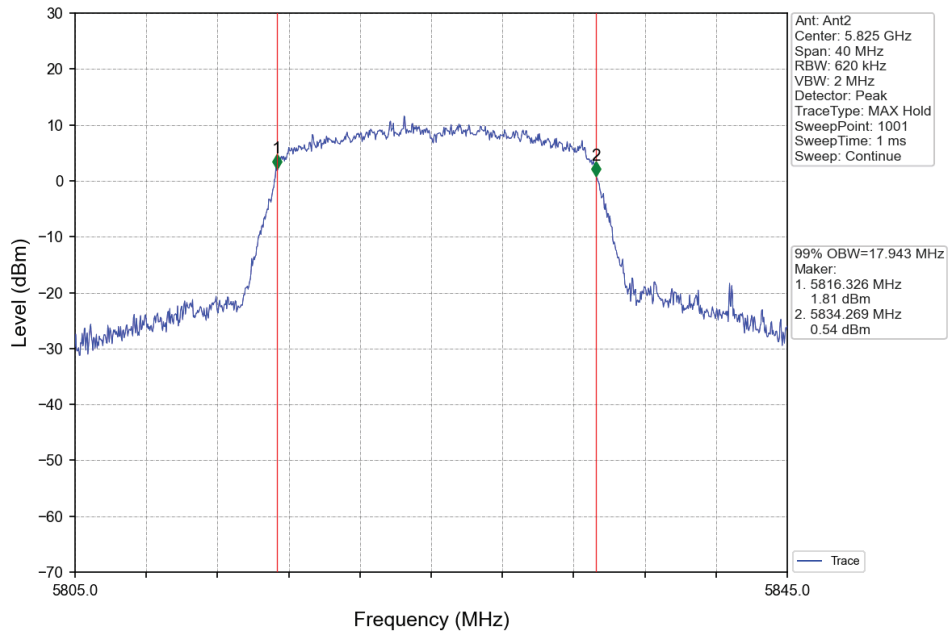
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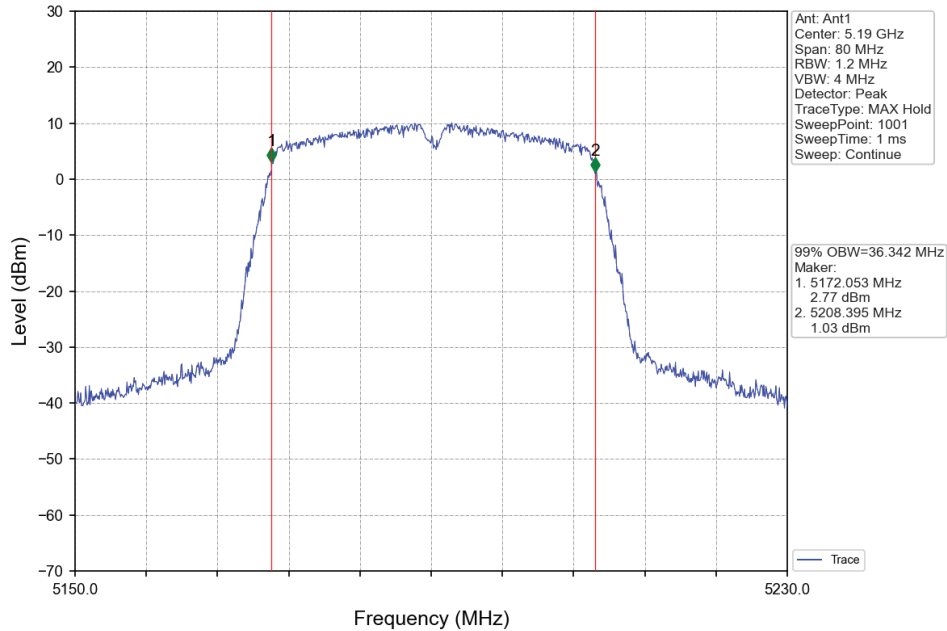
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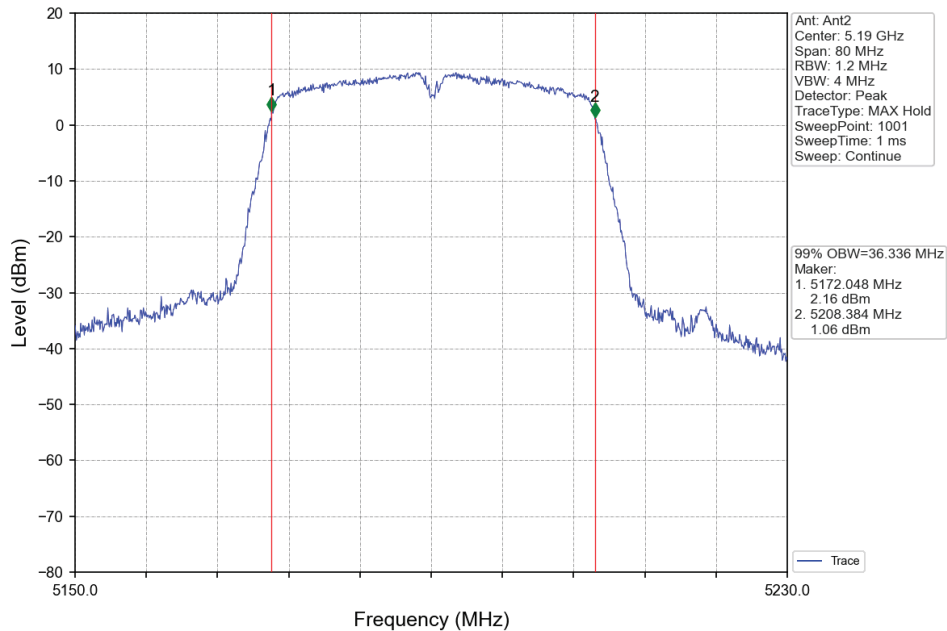
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



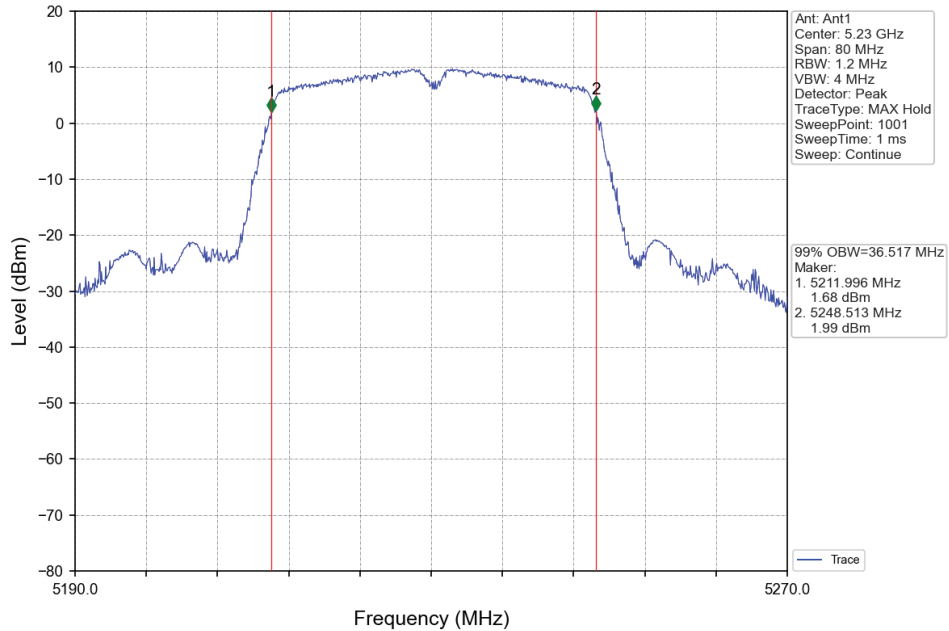
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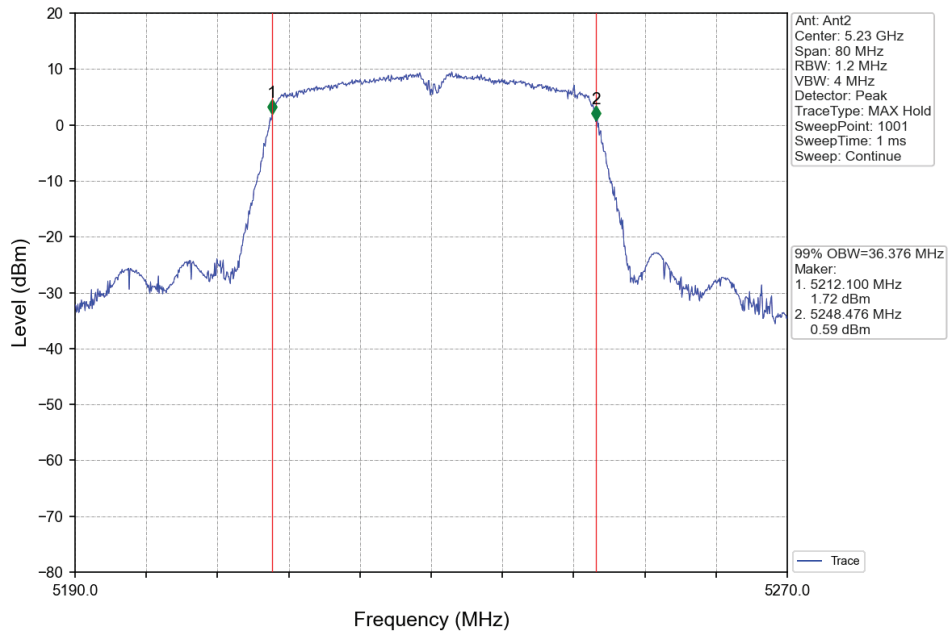
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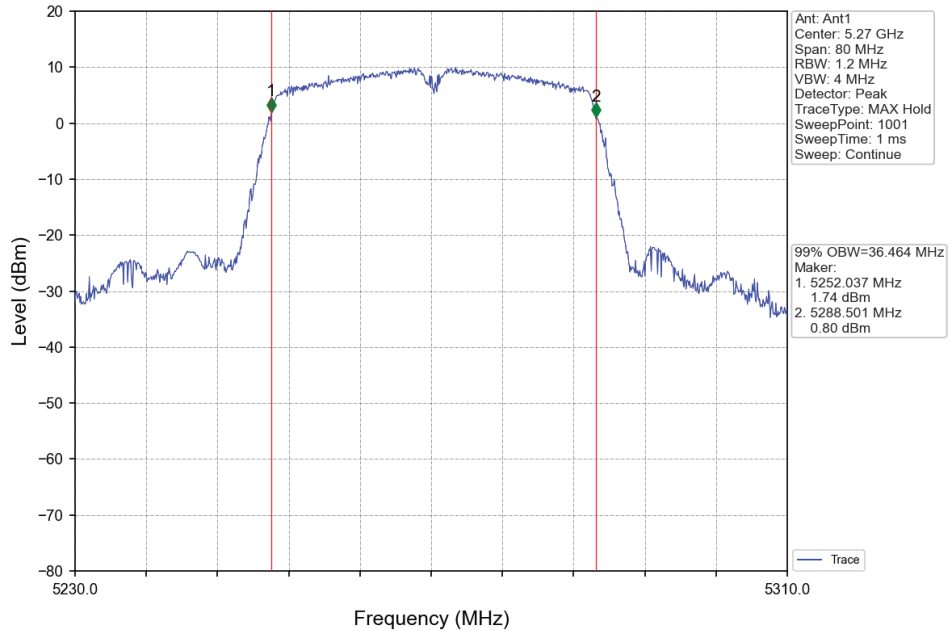
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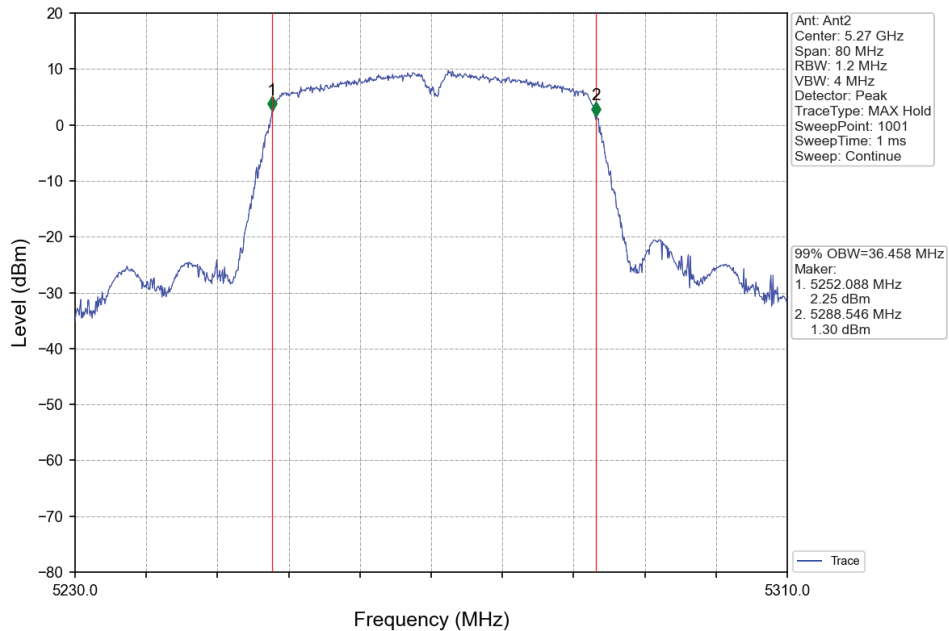
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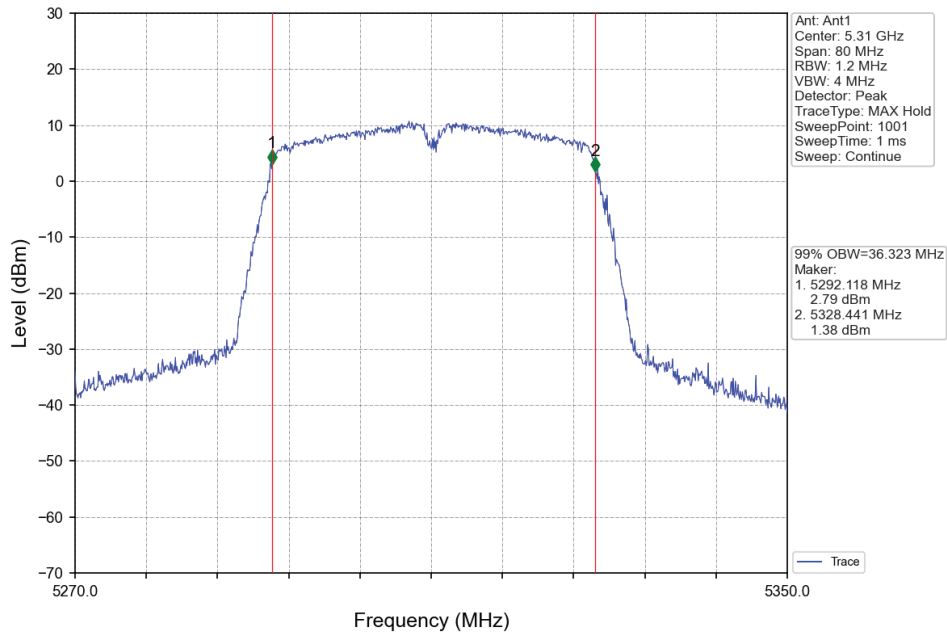
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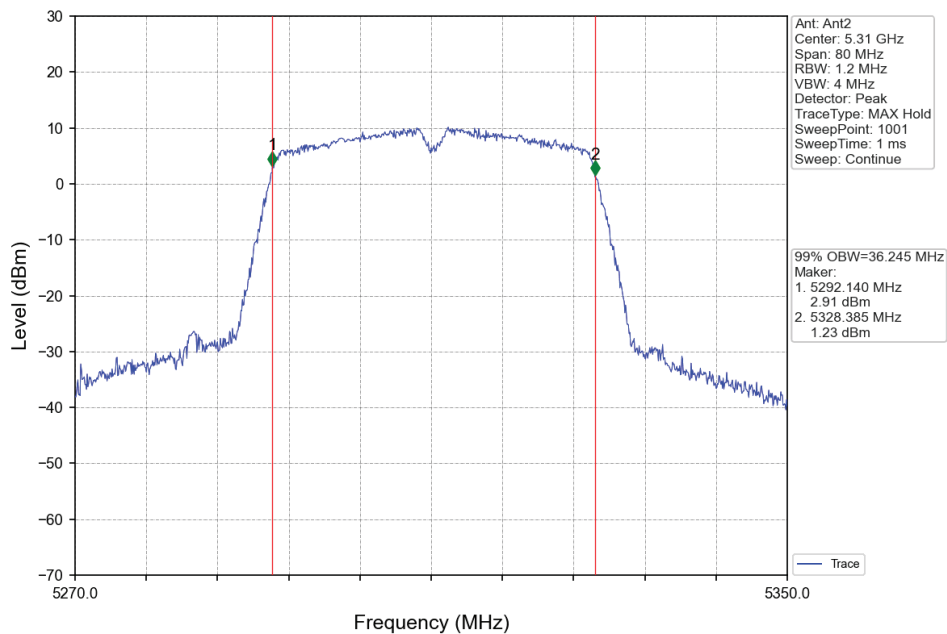
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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



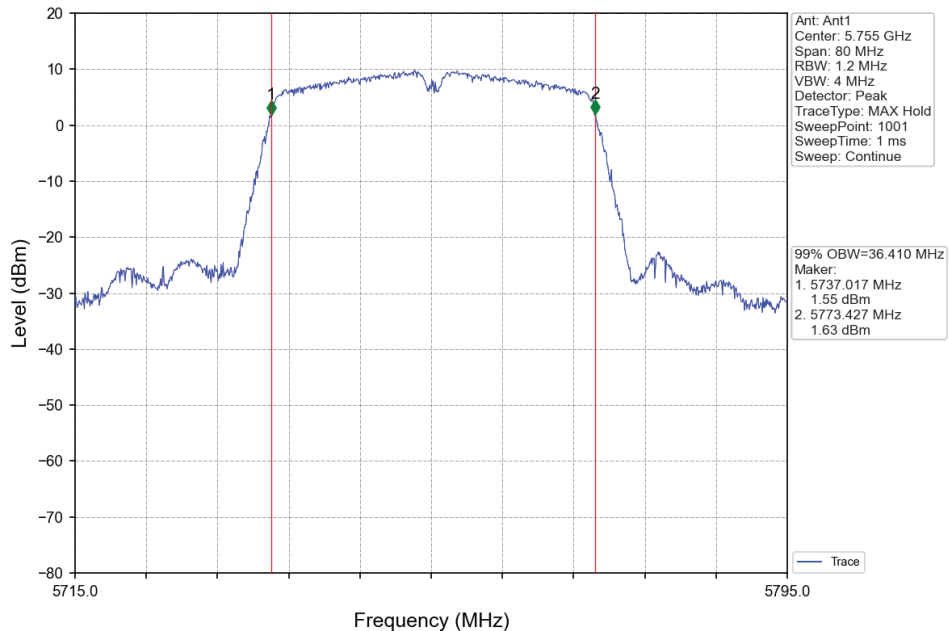
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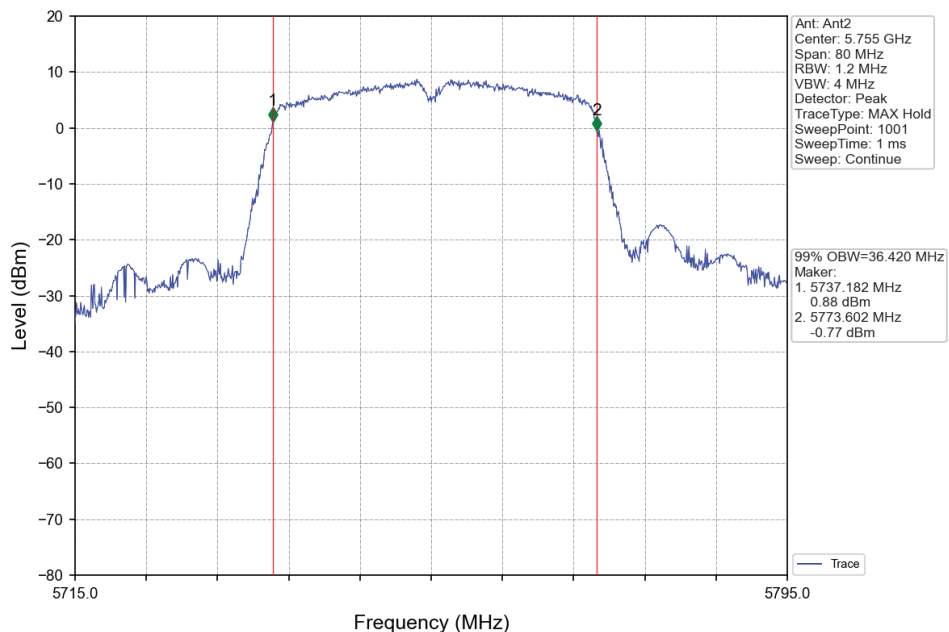
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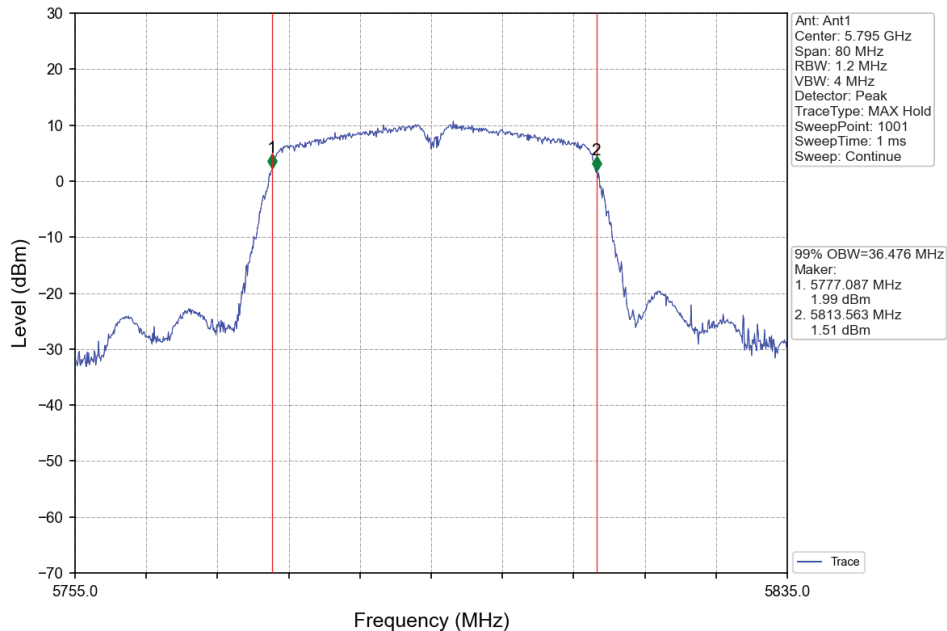
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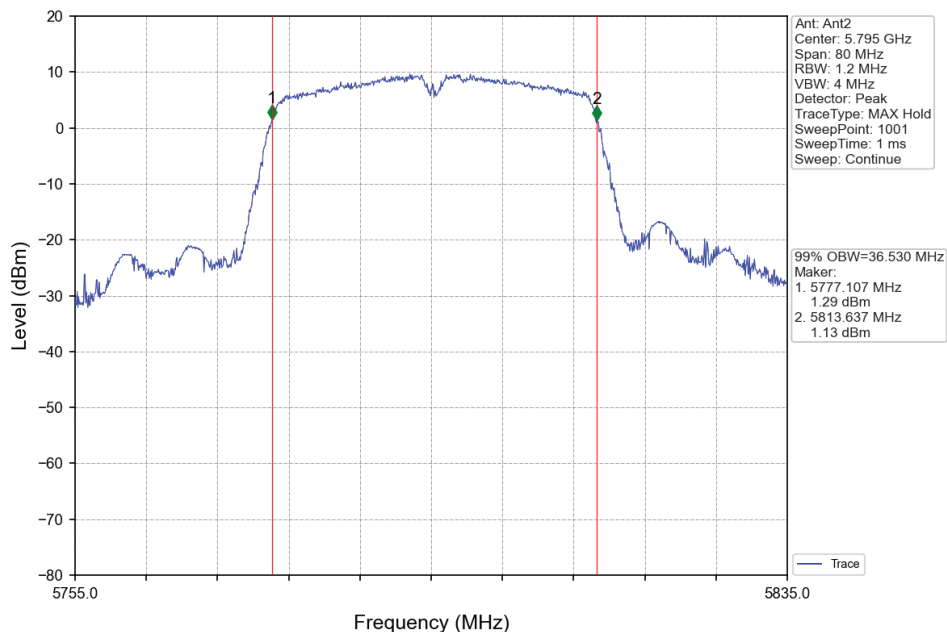
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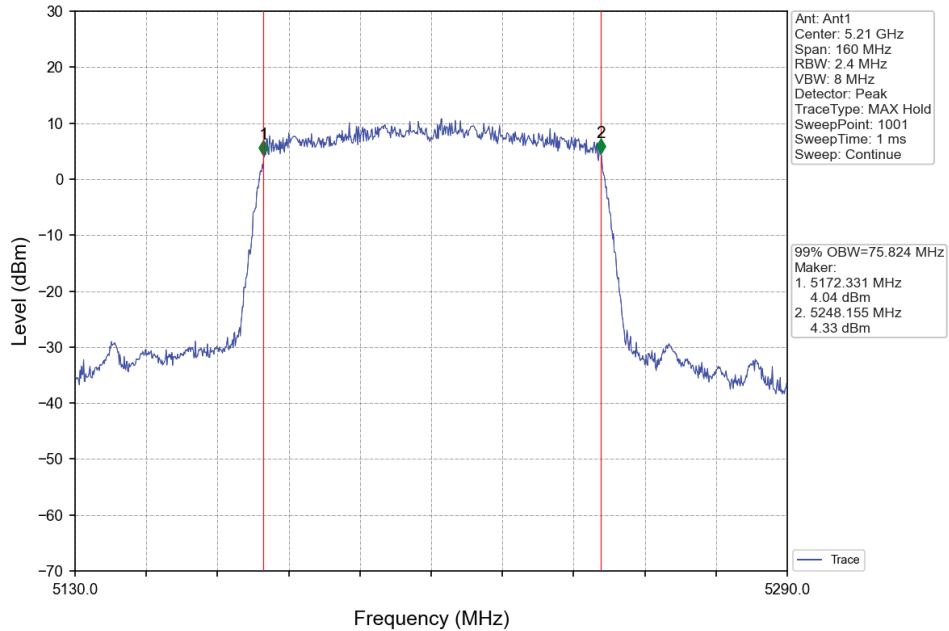
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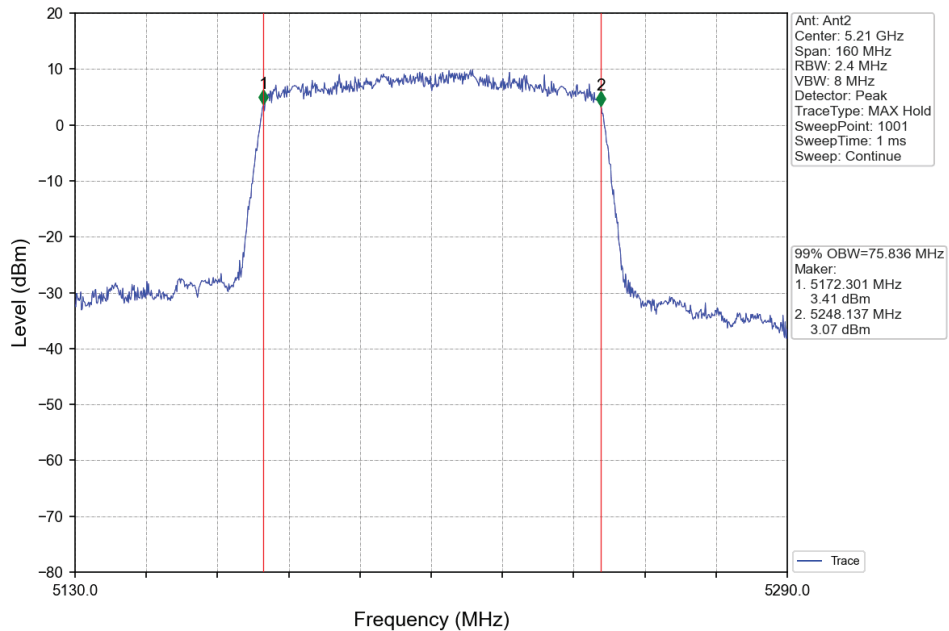
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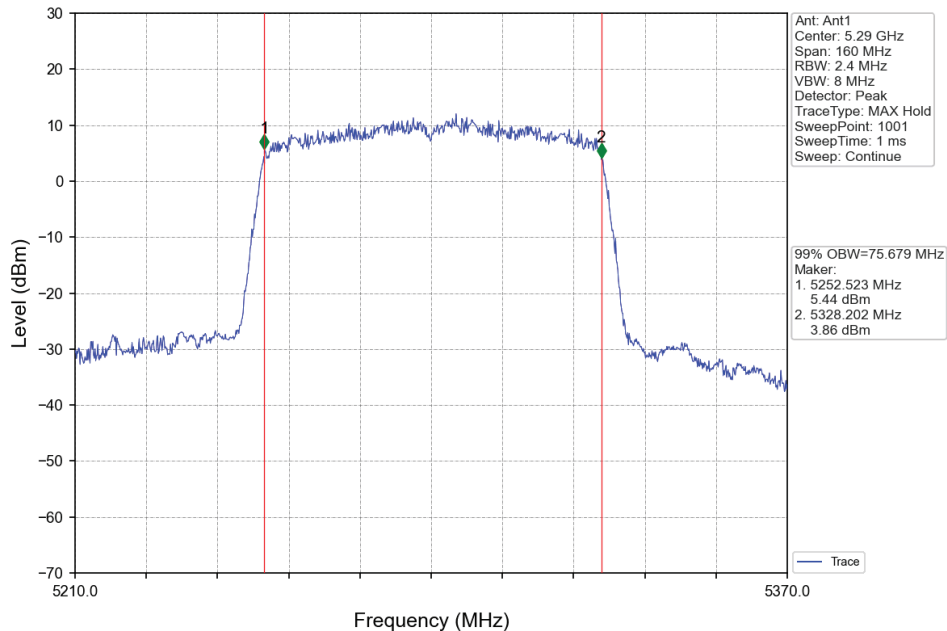
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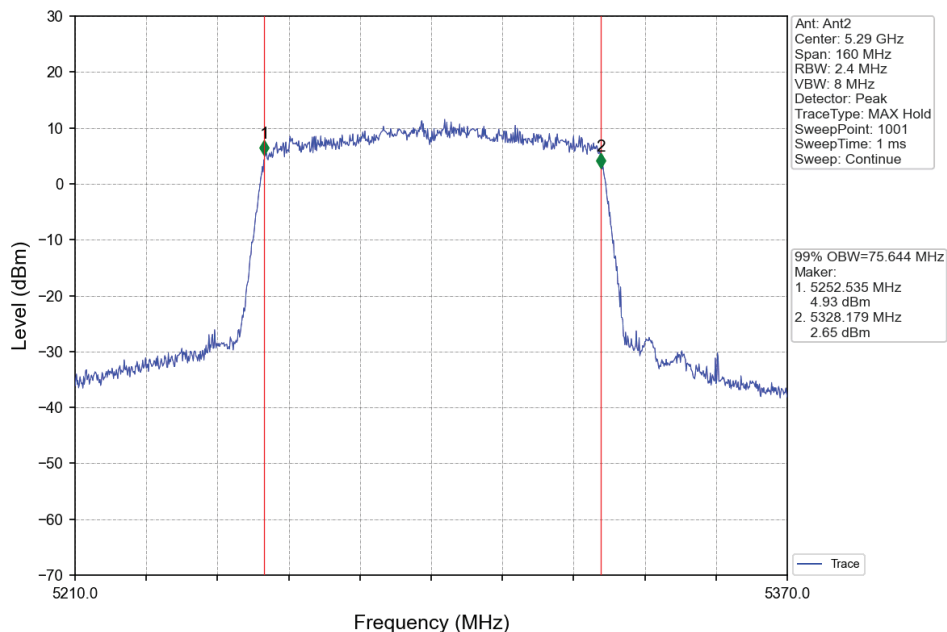
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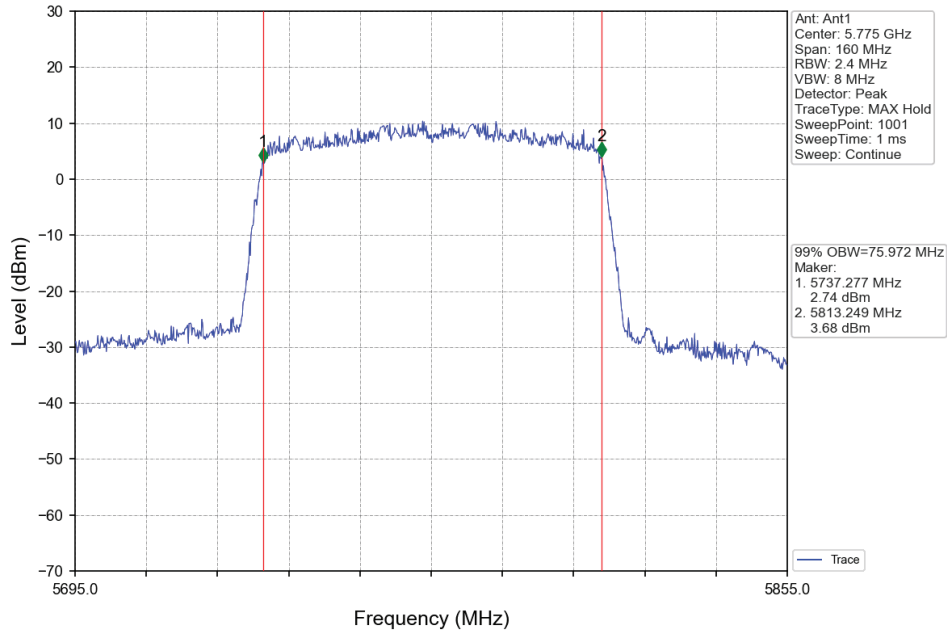
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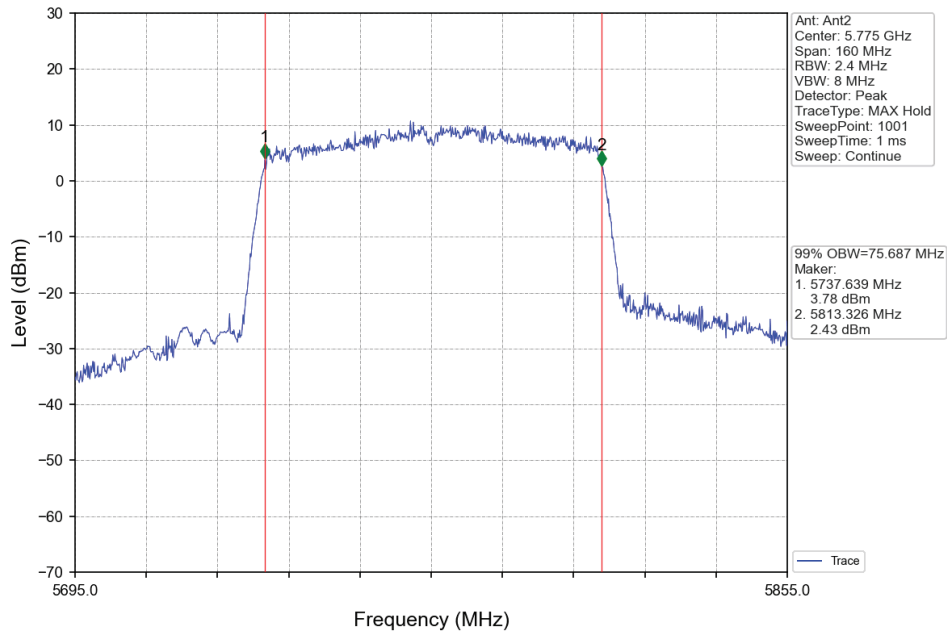
802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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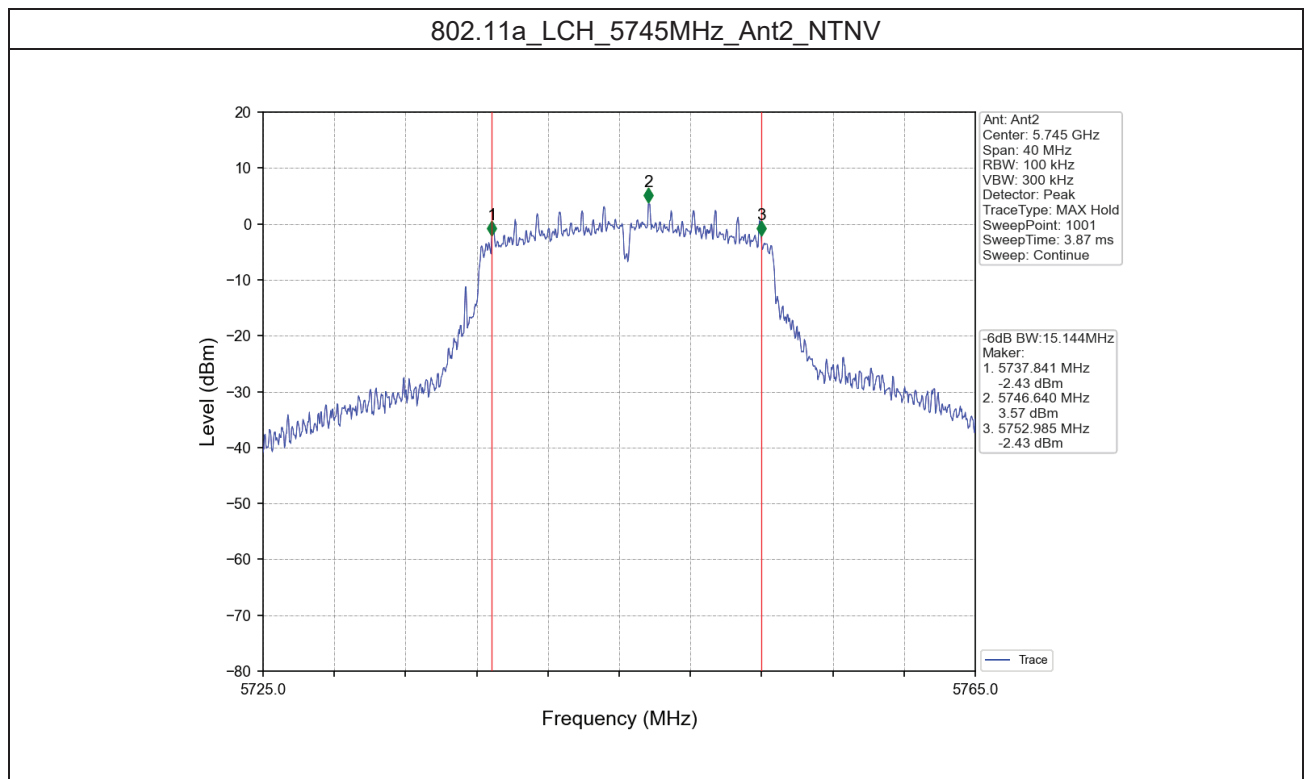
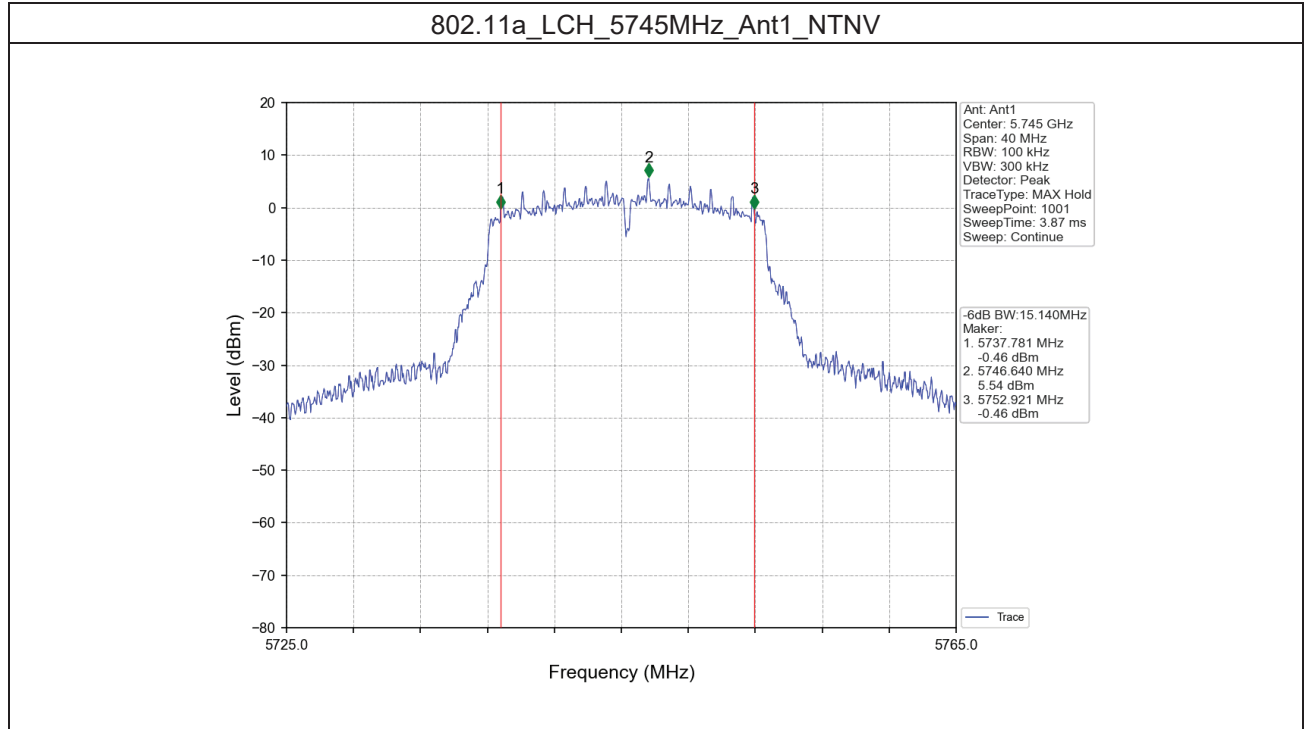
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.140	≥ 0.5	Pass
			2	15.144	≥ 0.5	Pass
		5785	1	15.137	≥ 0.5	Pass
			2	15.084	≥ 0.5	Pass
		5825	1	15.141	≥ 0.5	Pass
			2	15.154	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	15.188	≥ 0.5	Pass
			2	15.134	≥ 0.5	Pass
		5785	1	15.138	≥ 0.5	Pass
			2	15.123	≥ 0.5	Pass
		5825	1	15.135	≥ 0.5	Pass
			2	15.719	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.165	≥ 0.5	Pass
			2	35.152	≥ 0.5	Pass
		5795	1	35.149	≥ 0.5	Pass
			2	35.138	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	15.169	≥ 0.5	Pass
			2	15.112	≥ 0.5	Pass
		5785	1	15.160	≥ 0.5	Pass
			2	15.149	≥ 0.5	Pass
		5825	1	15.142	≥ 0.5	Pass
			2	15.145	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.158	≥ 0.5	Pass
			2	35.145	≥ 0.5	Pass
		5795	1	35.145	≥ 0.5	Pass
			2	35.149	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.193	≥ 0.5	Pass
			2	75.148	≥ 0.5	Pass

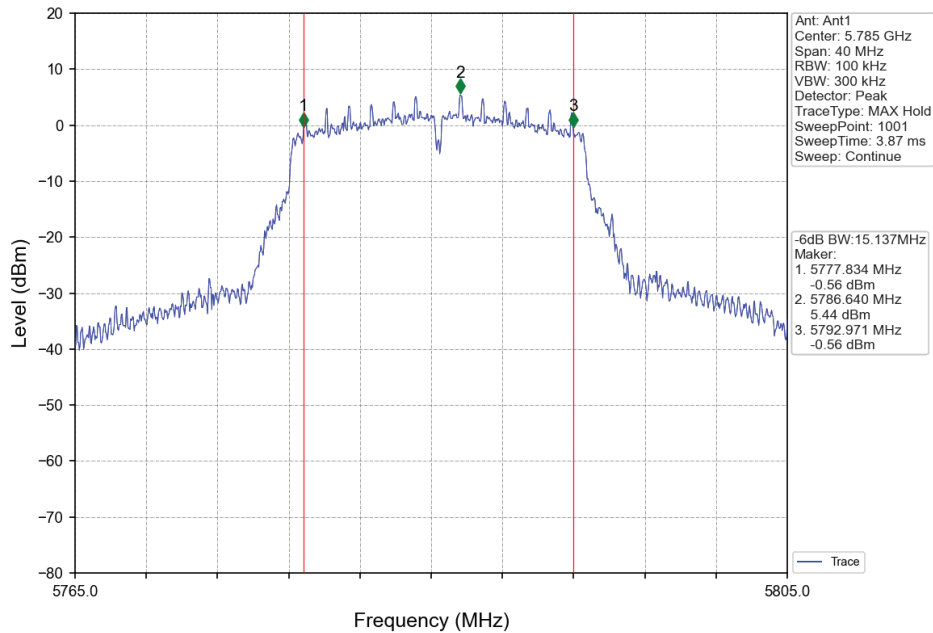
2.2.2 Test Graph



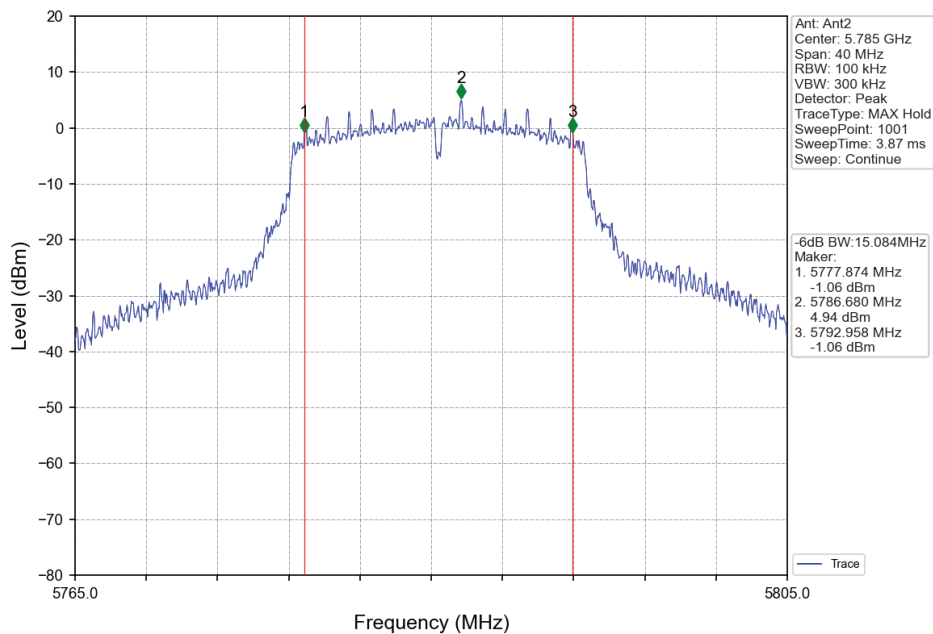
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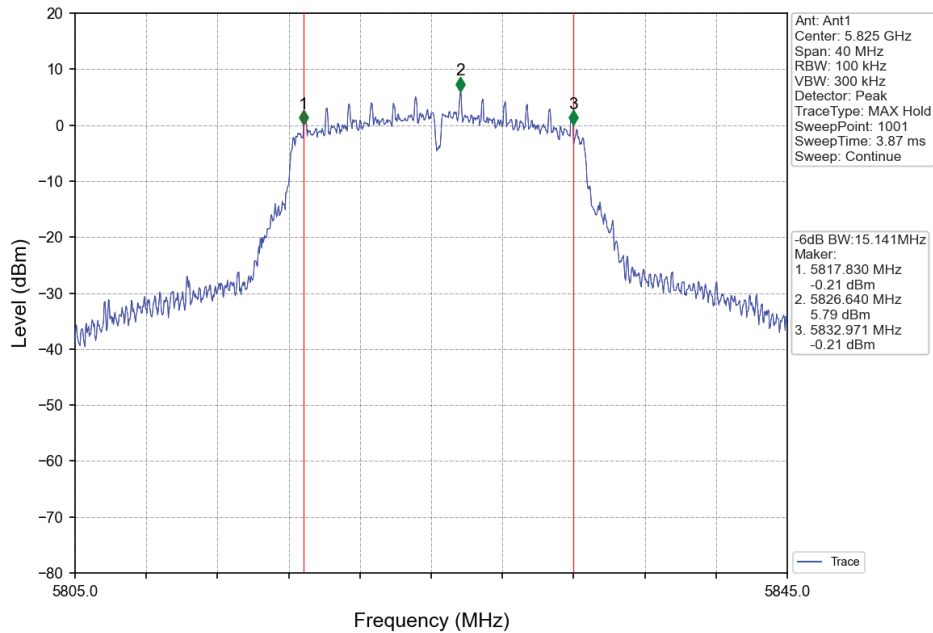
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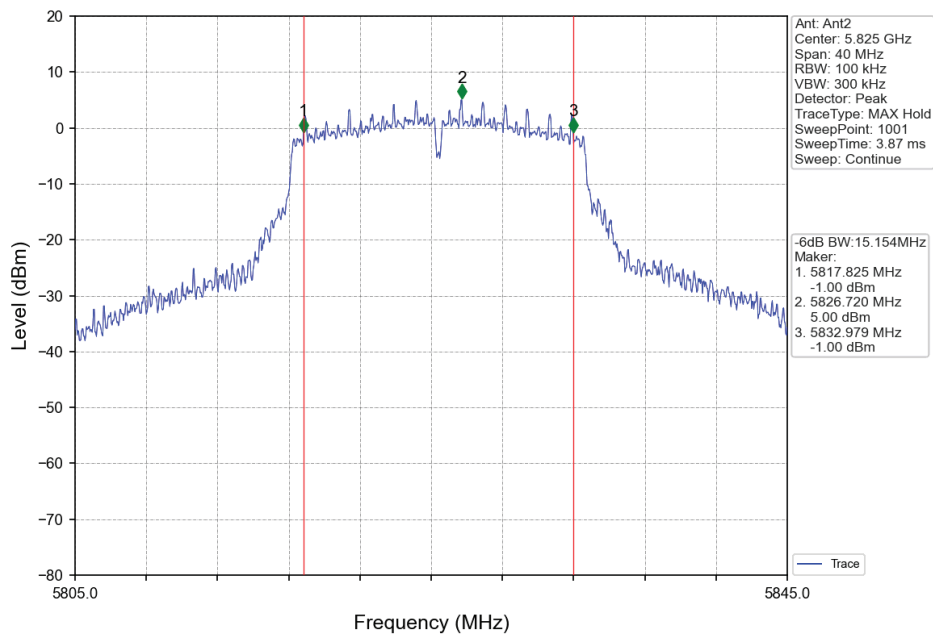
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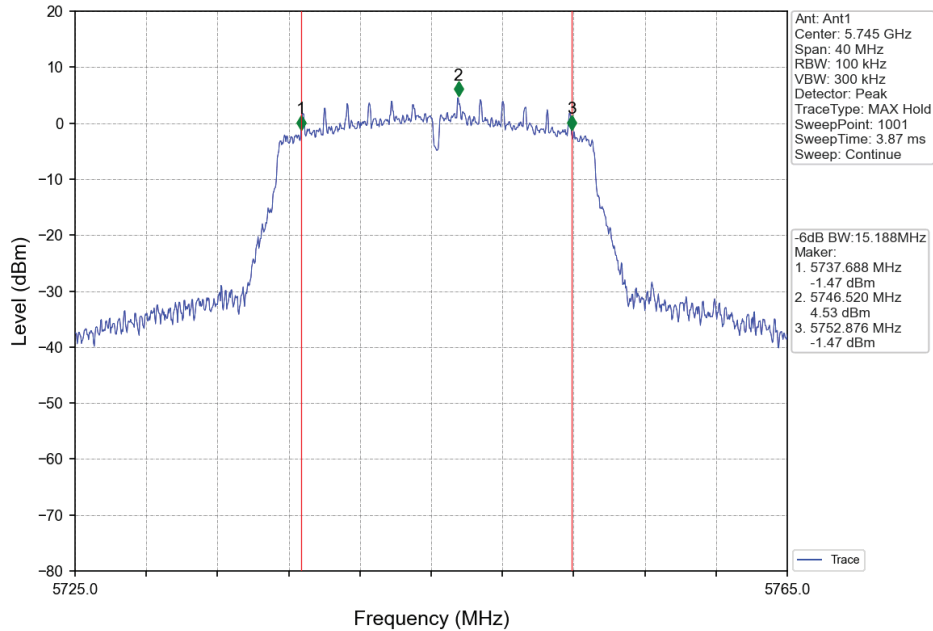
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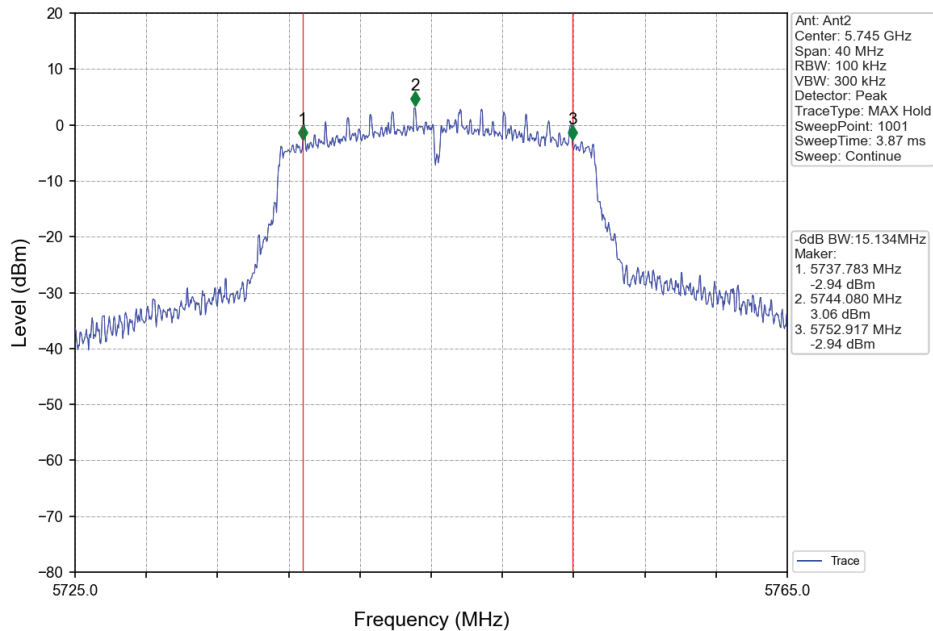
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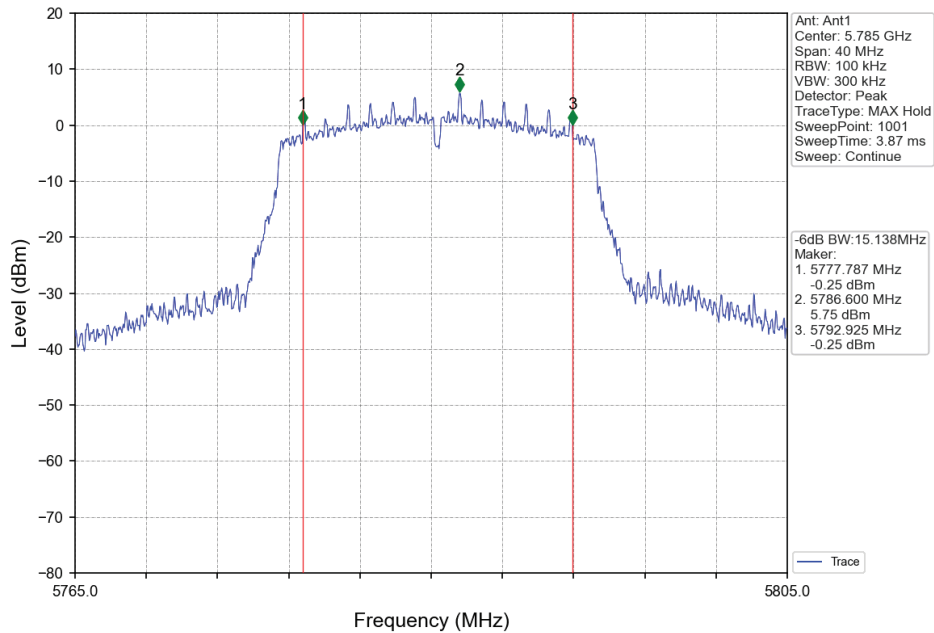
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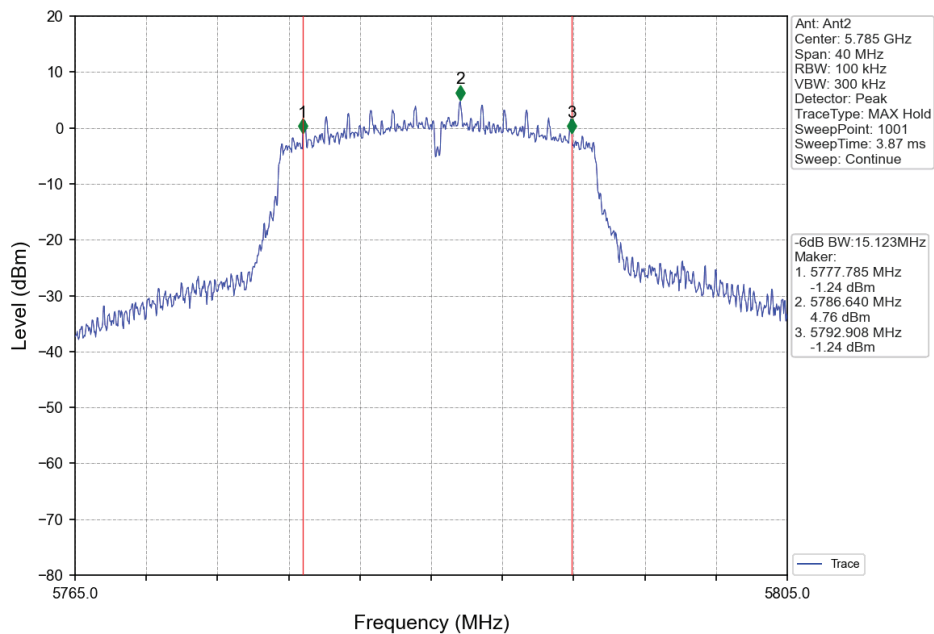
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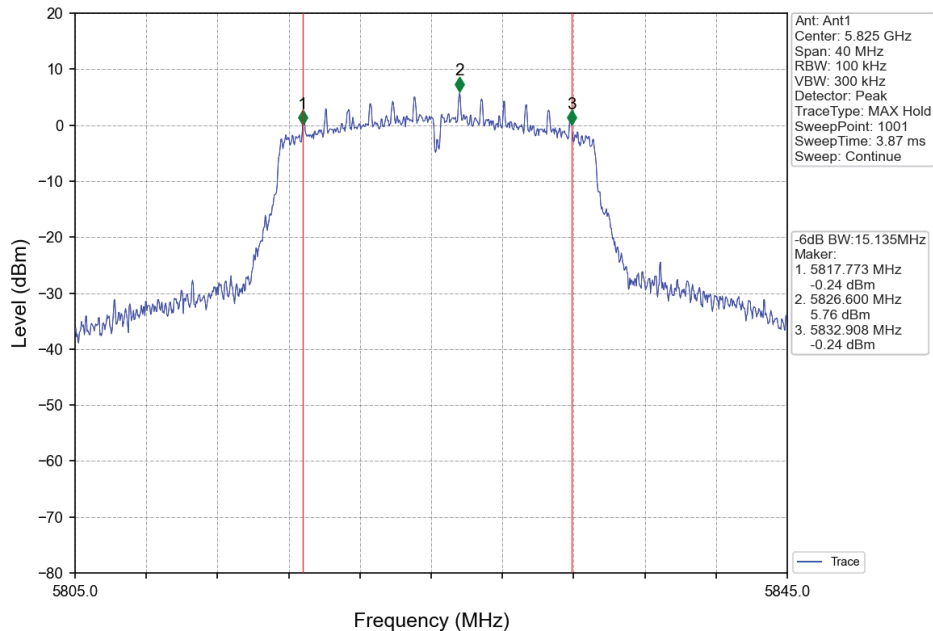
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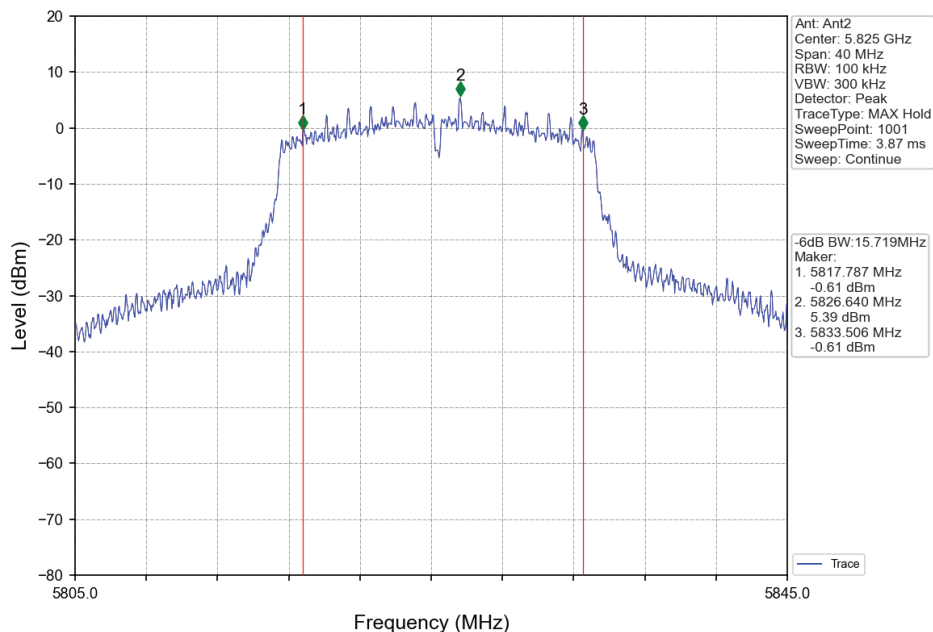
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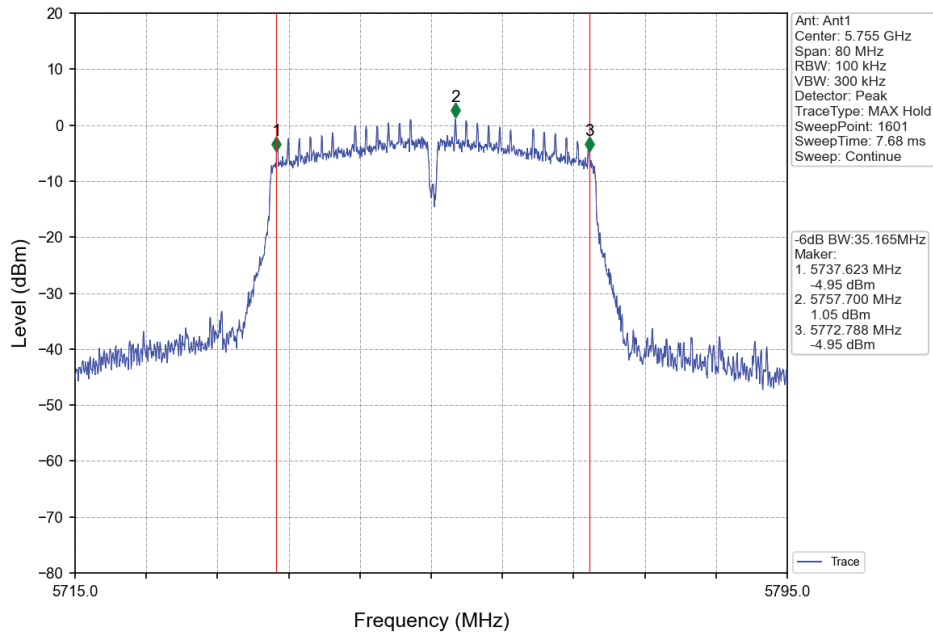
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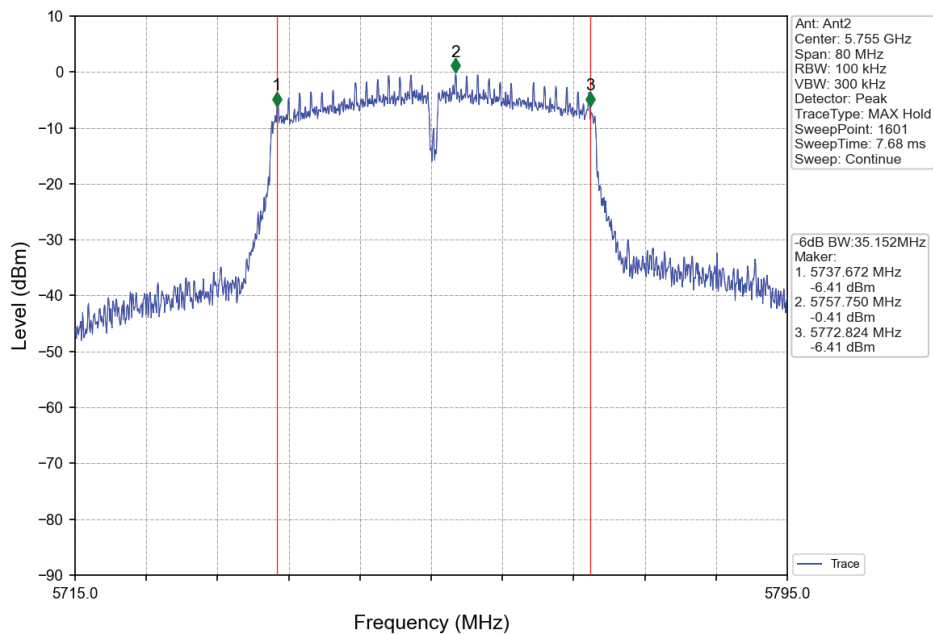
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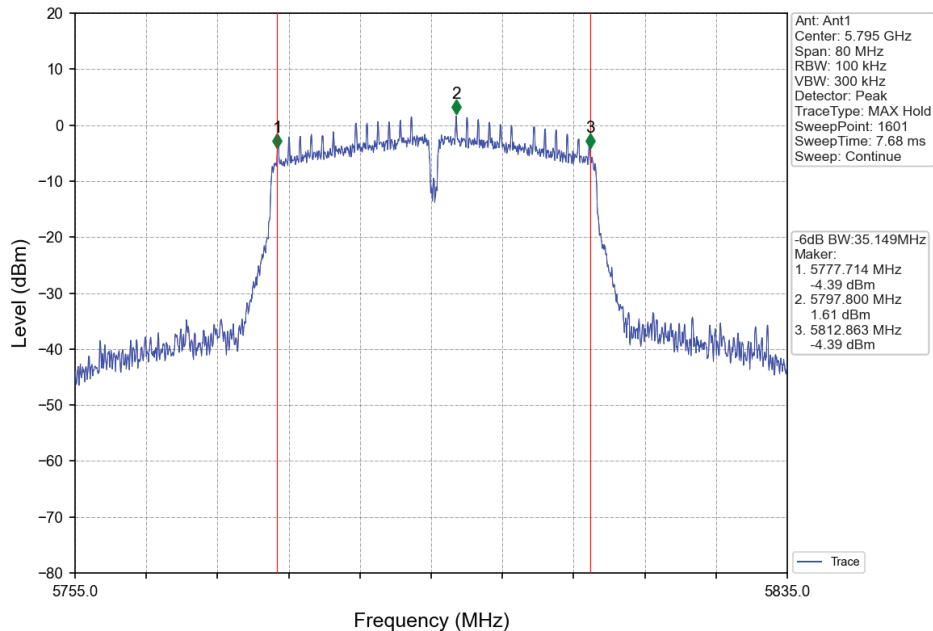
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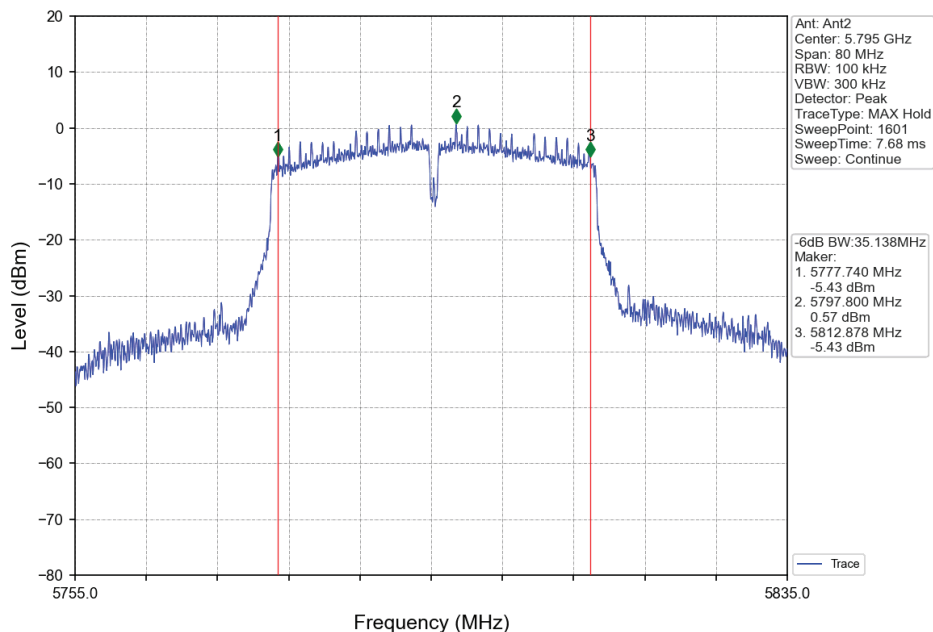
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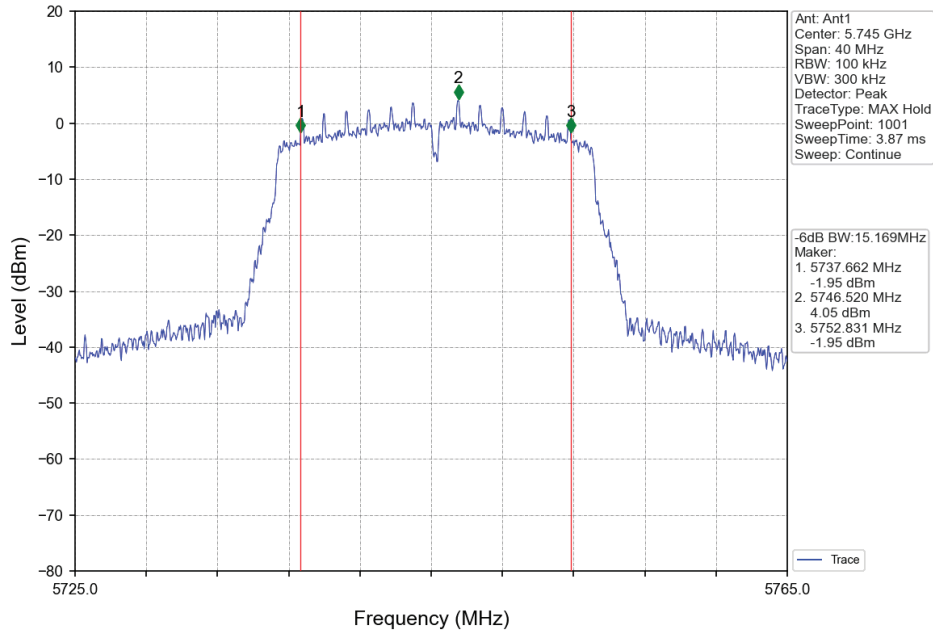
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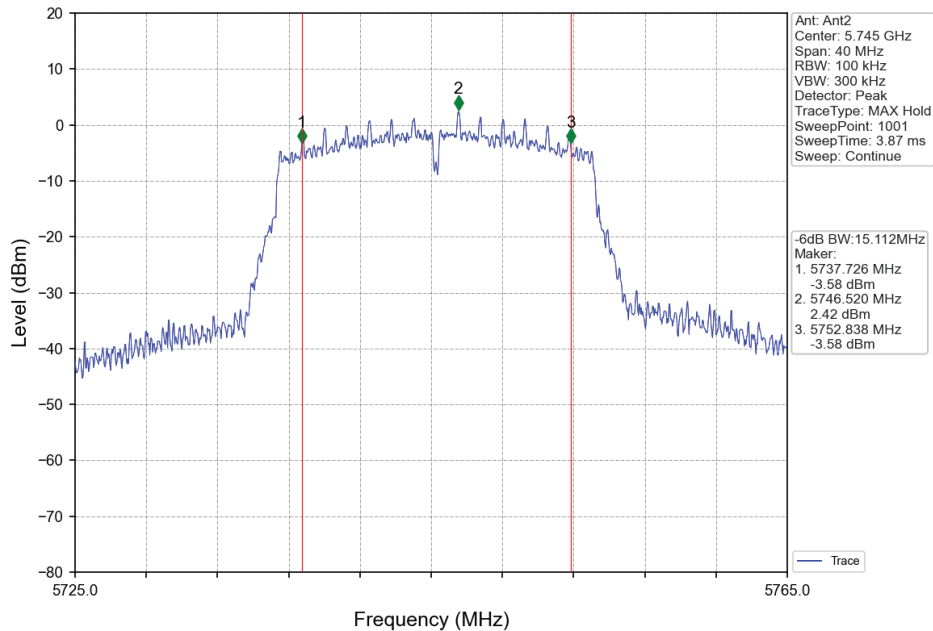
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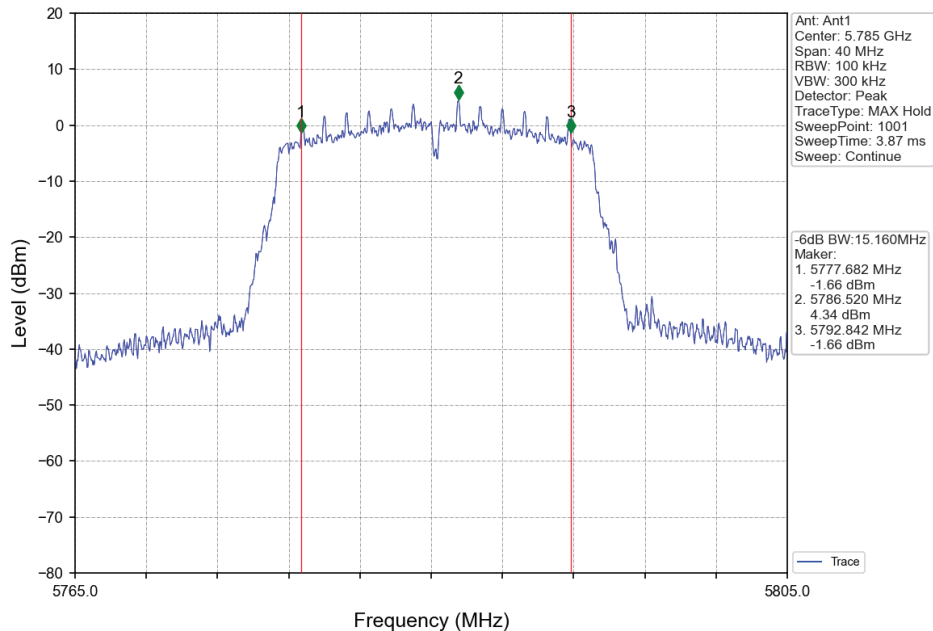
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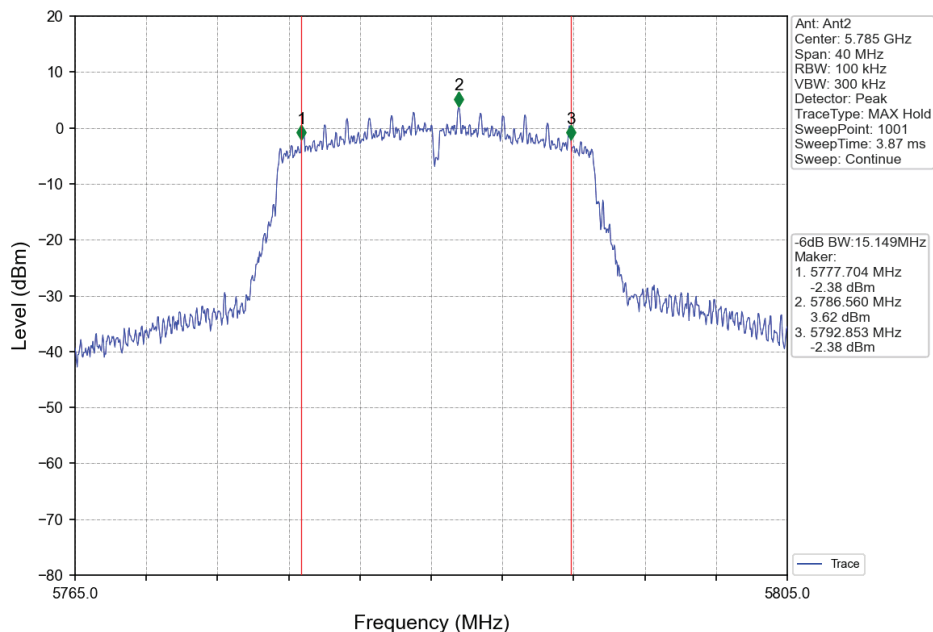
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



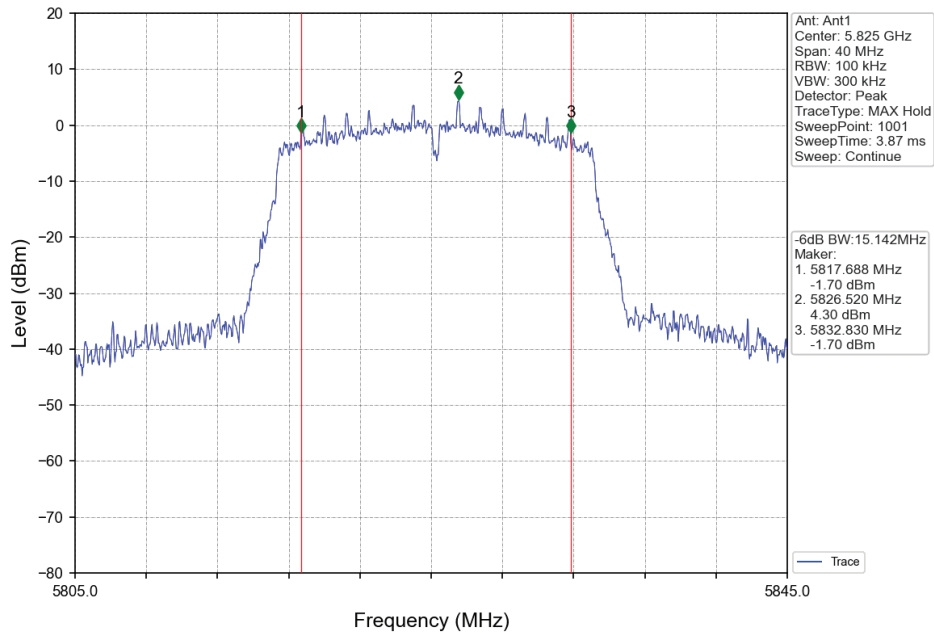
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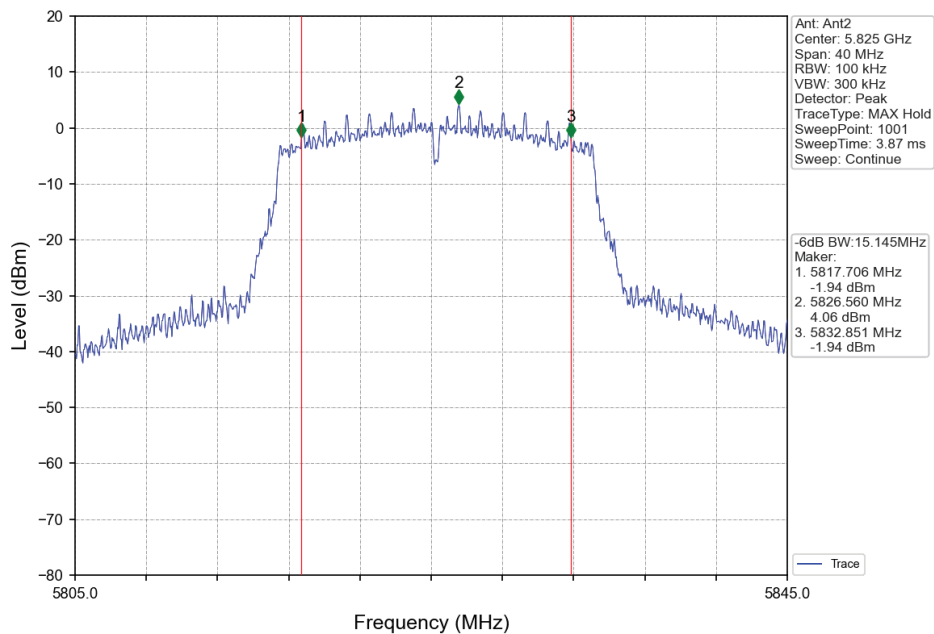
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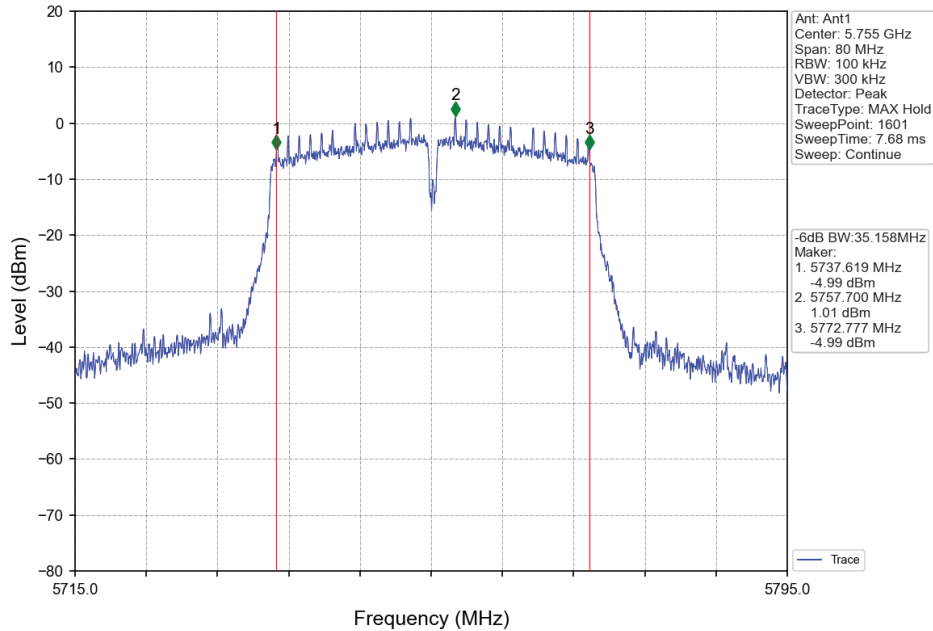
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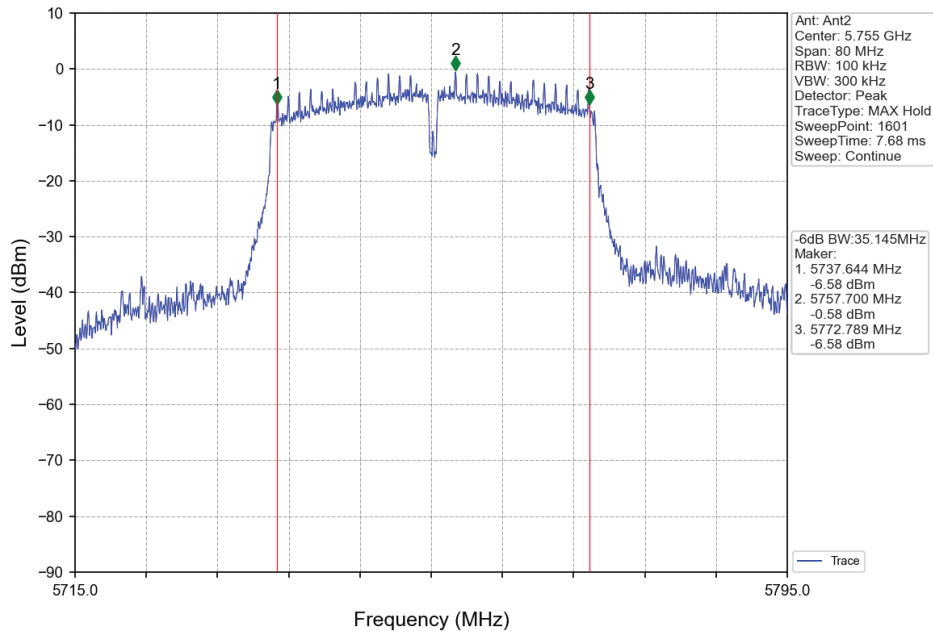
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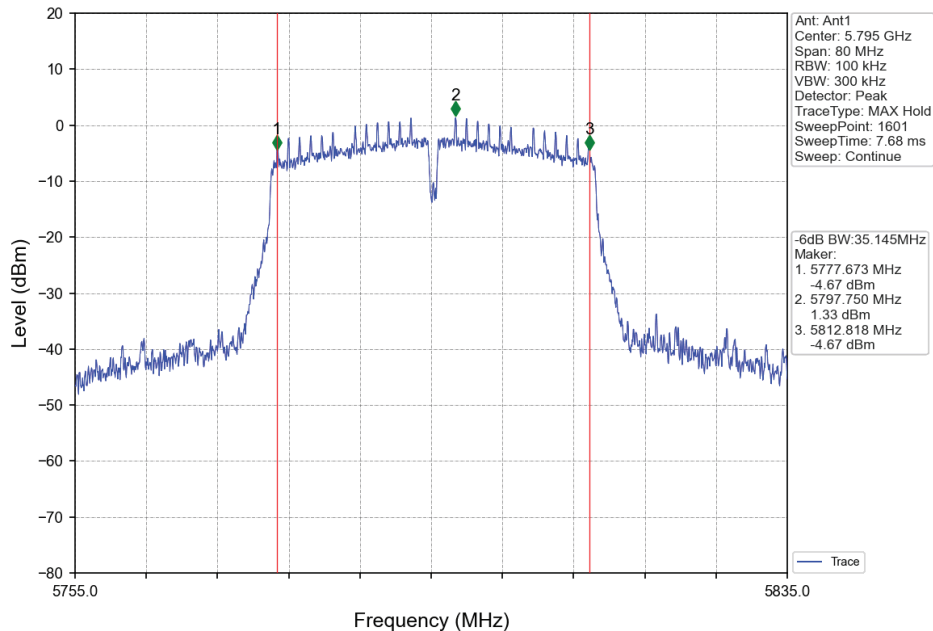
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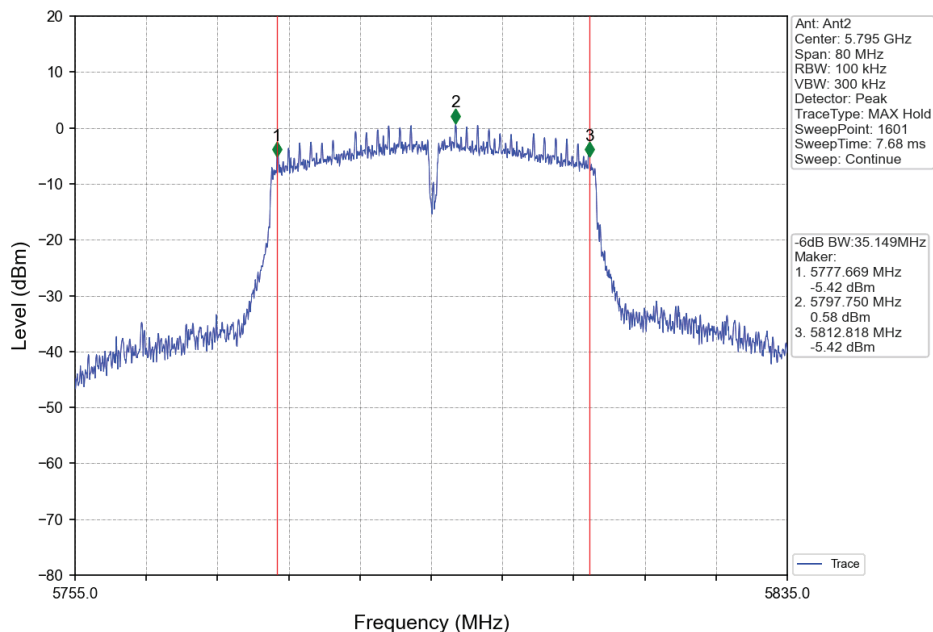
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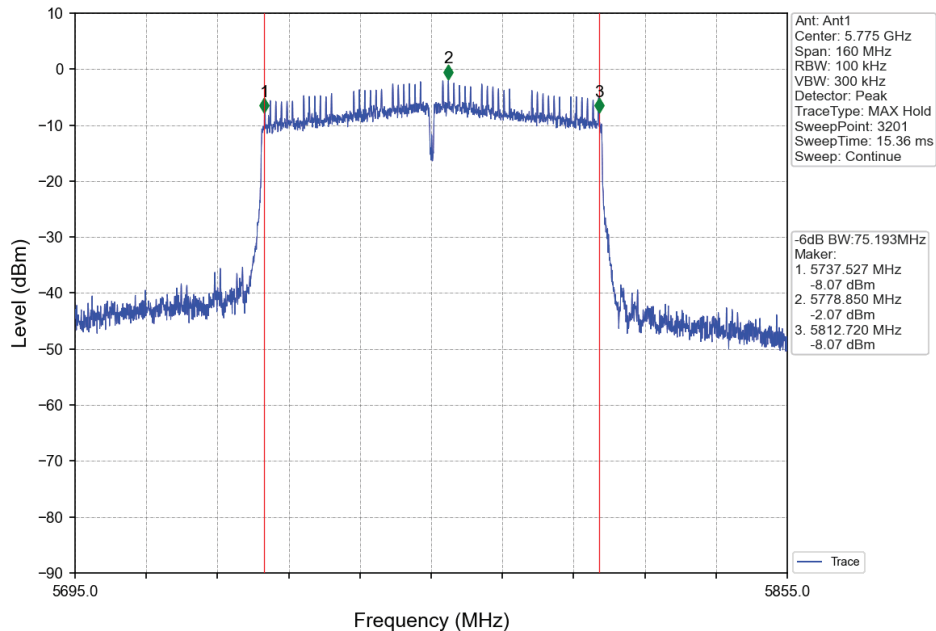
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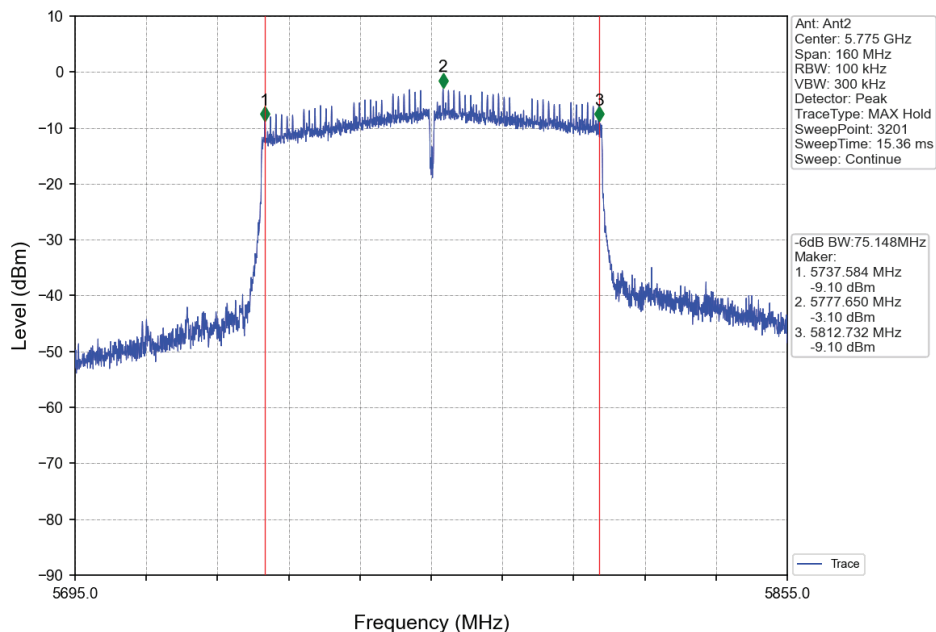
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	20.613	Pass
			2	20.538	Pass
		5200	1	21.050	Pass
			2	20.713	Pass
		5240	1	20.776	Pass
			2	20.584	Pass
		5260	1	31.895	Pass
			2	29.964	Pass
		5300	1	32.987	Pass
			2	30.628	Pass
		5320	1	20.744	Pass
			2	20.525	Pass
802.11n (HT20)	MIMO	5180	1	21.046	Pass
			2	20.674	Pass
		5200	1	21.083	Pass
			2	20.813	Pass
		5240	1	20.990	Pass
			2	20.764	Pass
		5260	1	20.991	Pass
			2	20.753	Pass
		5300	1	21.181	Pass
			2	20.975	Pass
		5320	1	20.991	Pass
			2	20.784	Pass
802.11n (HT40)	MIMO	5190	1	41.583	Pass
			2	41.661	Pass
		5230	1	41.920	Pass
			2	41.753	Pass
		5270	1	41.902	Pass
			2	41.519	Pass
		5310	1	41.560	Pass
			2	41.688	Pass
802.11ac (VHT20)	MIMO	5180	1	20.851	Pass
			2	20.624	Pass
		5200	1	20.980	Pass



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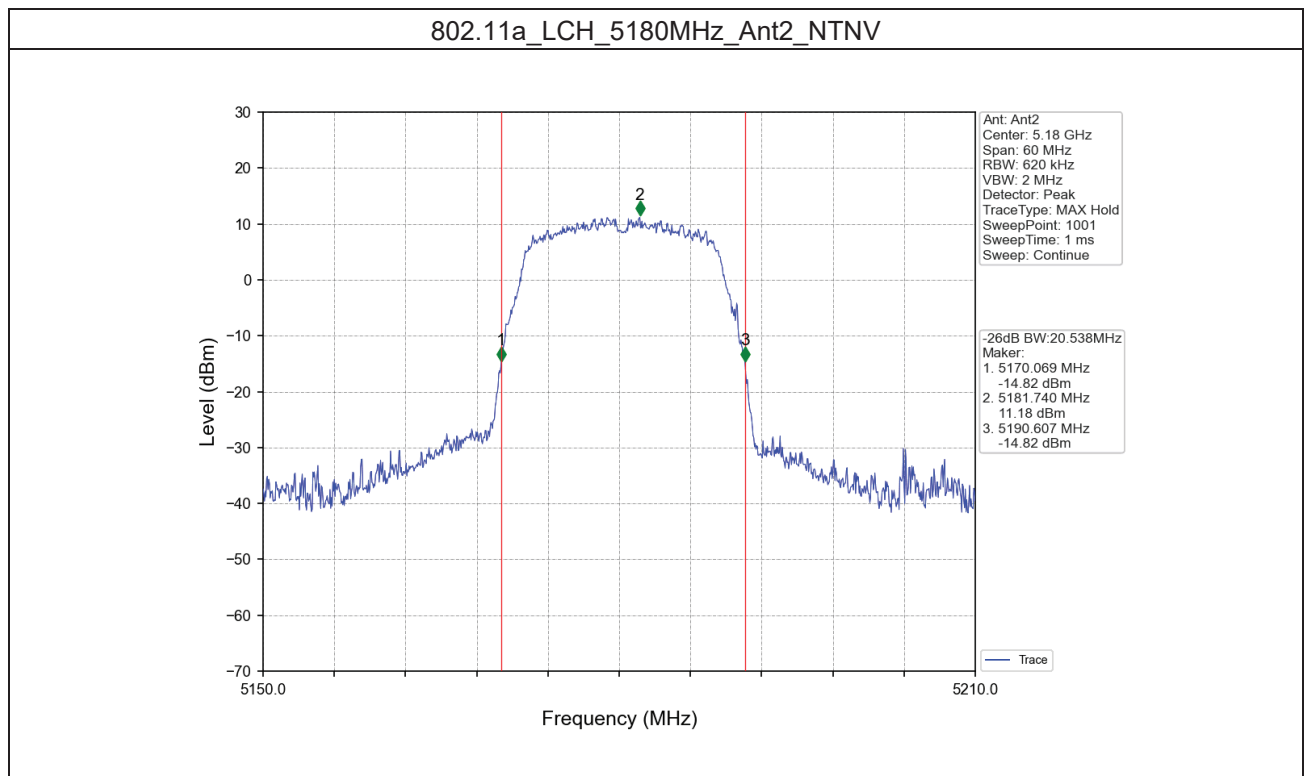
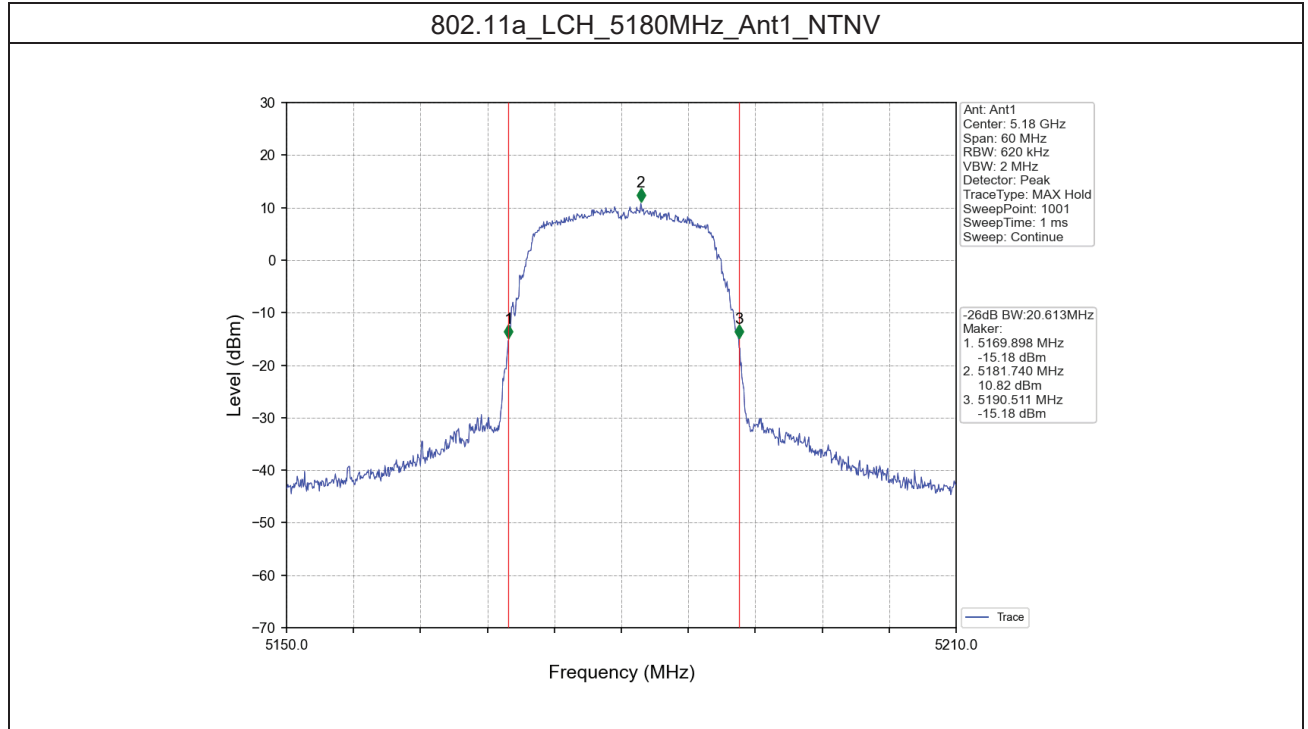
		5240	2	20.681	Pass
			1	21.043	Pass
			2	20.688	Pass
		5260	1	33.133	Pass
			2	27.501	Pass
		5300	1	21.064	Pass
			2	20.749	Pass
		5320	1	20.920	Pass
			2	20.636	Pass
802.11ac (VHT40)	MIMO	5190	1	41.421	Pass
			2	41.736	Pass
		5230	1	41.833	Pass
			2	41.557	Pass
		5270	1	41.760	Pass
			2	41.497	Pass
		5310	1	41.584	Pass
			2	41.702	Pass
802.11ac (VHT80)	MIMO	5210	1	82.664	Pass
			2	82.597	Pass
		5290	1	82.767	Pass
			2	82.543	Pass



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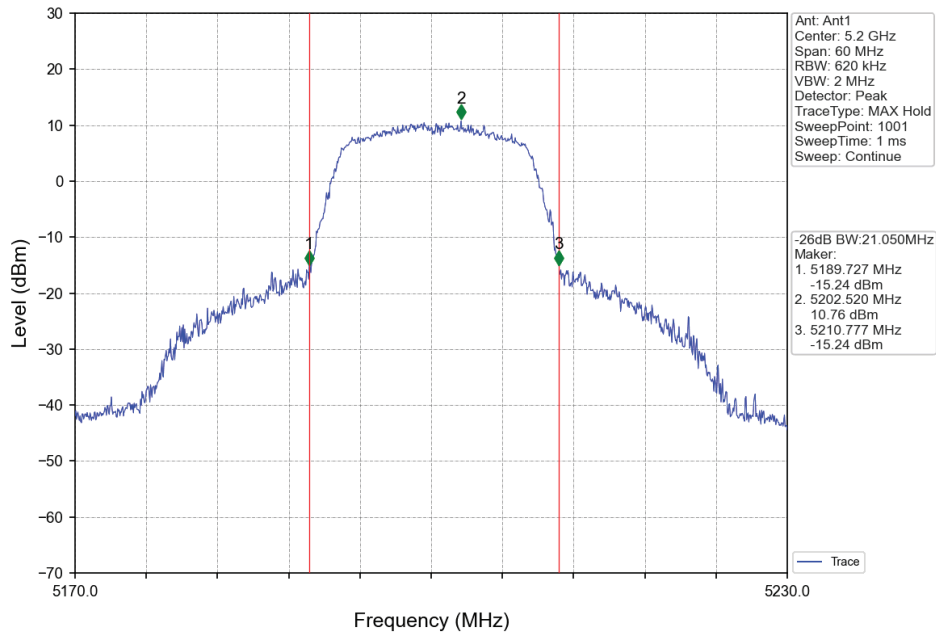
2.3.2 Test Graph



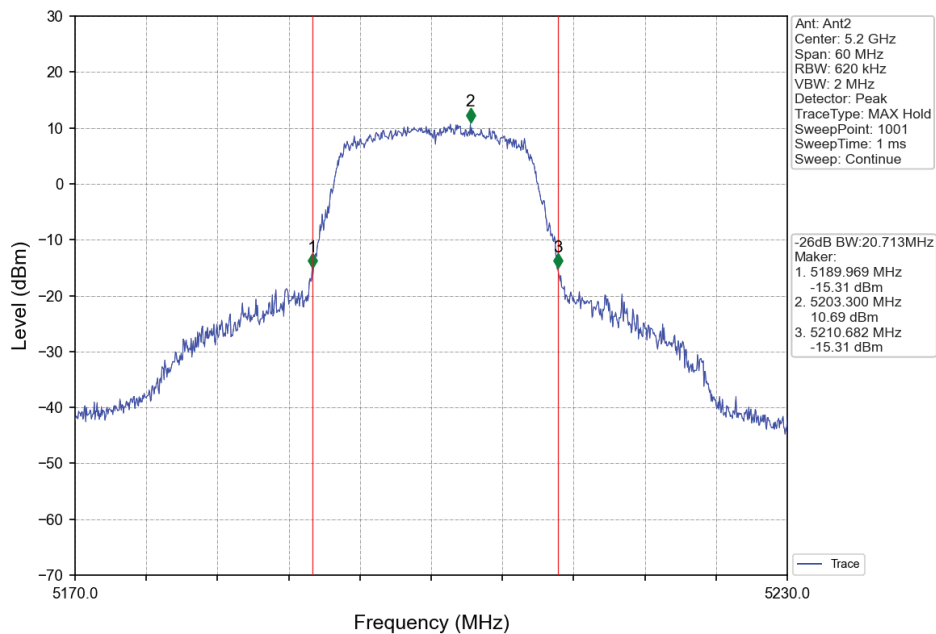
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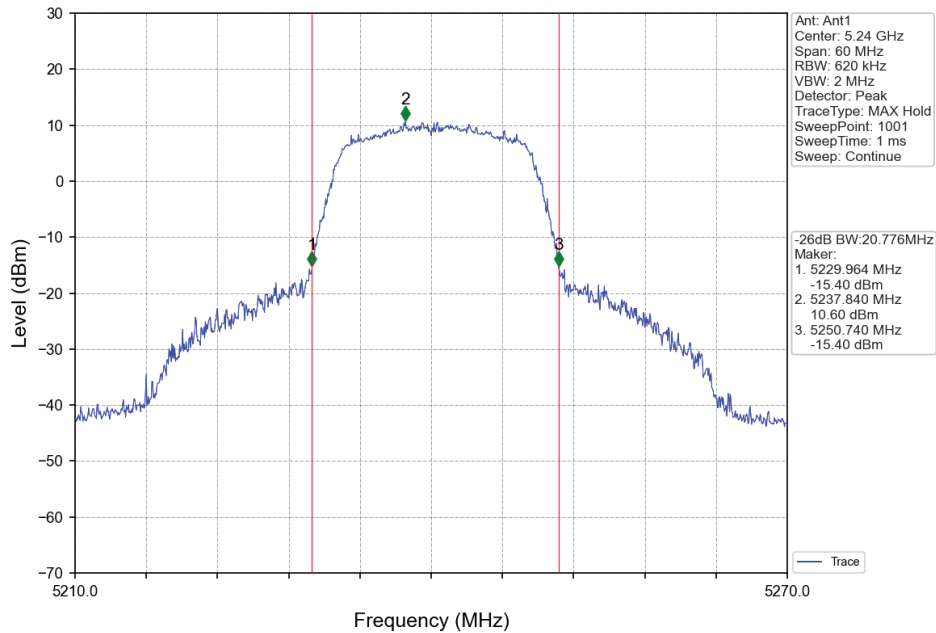
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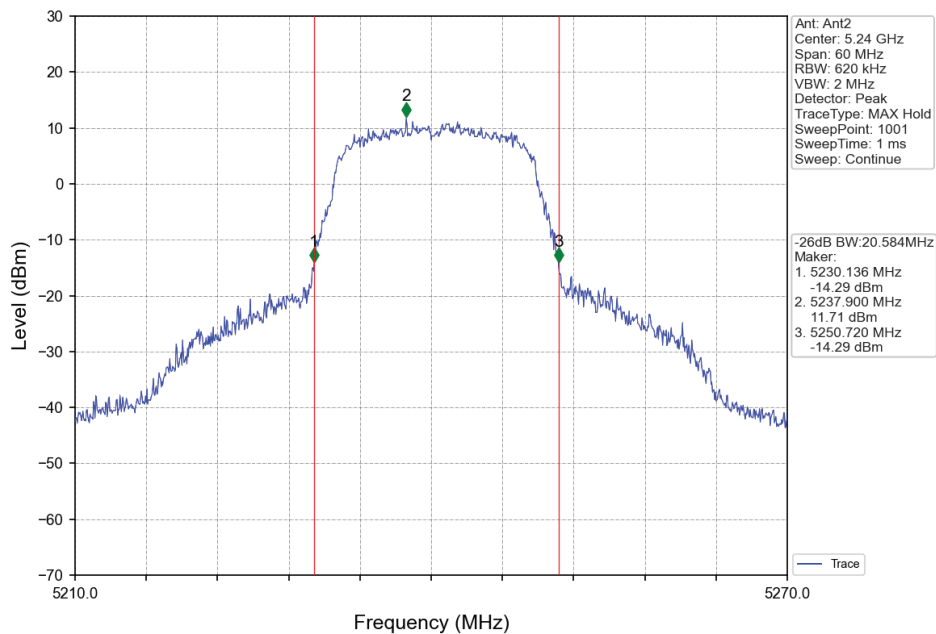
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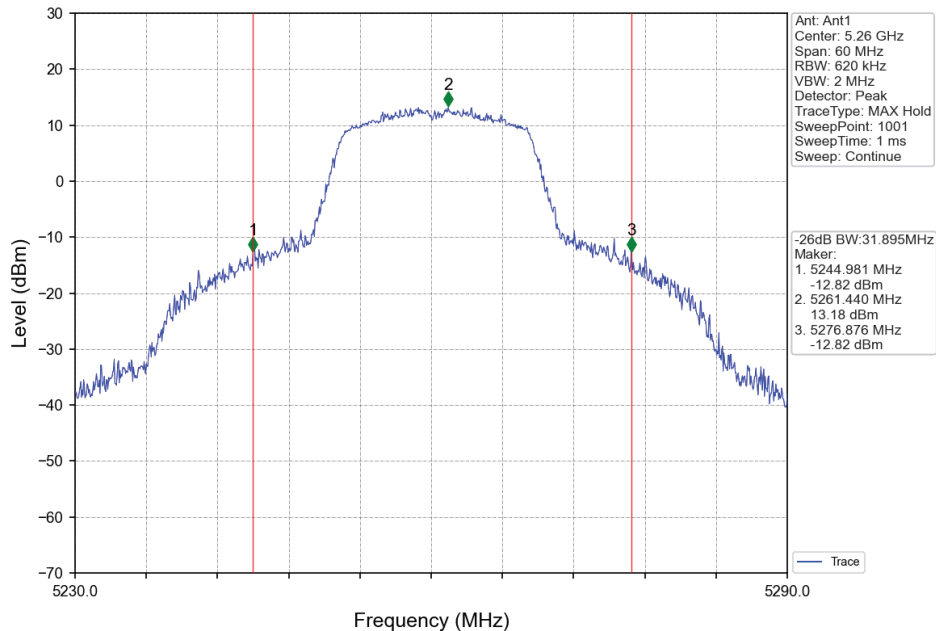
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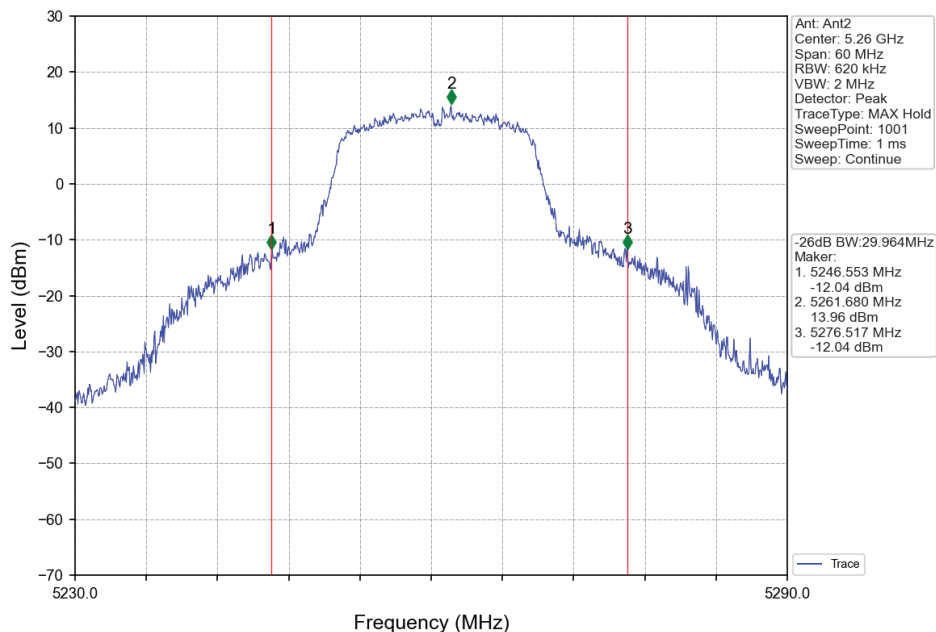
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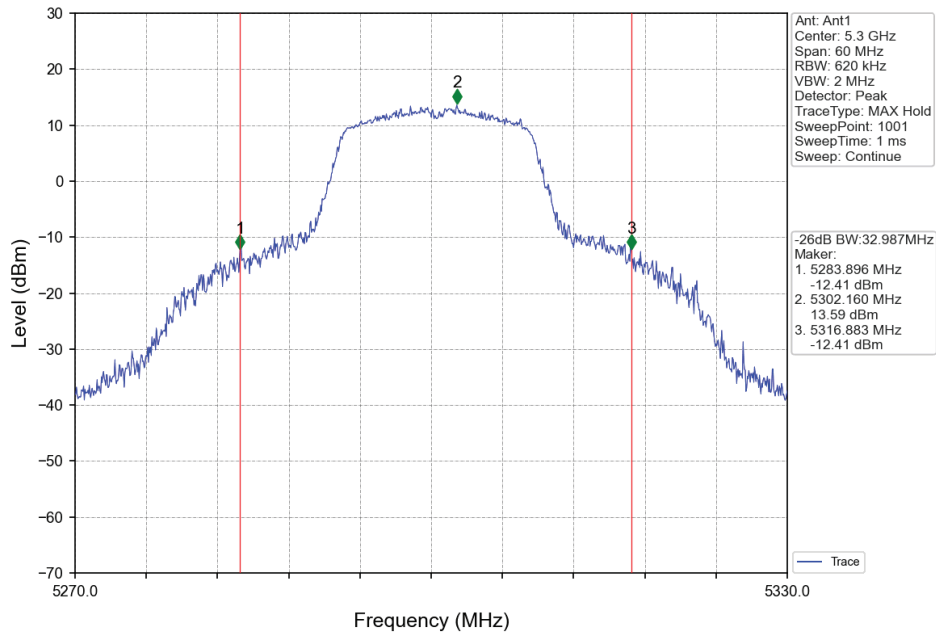
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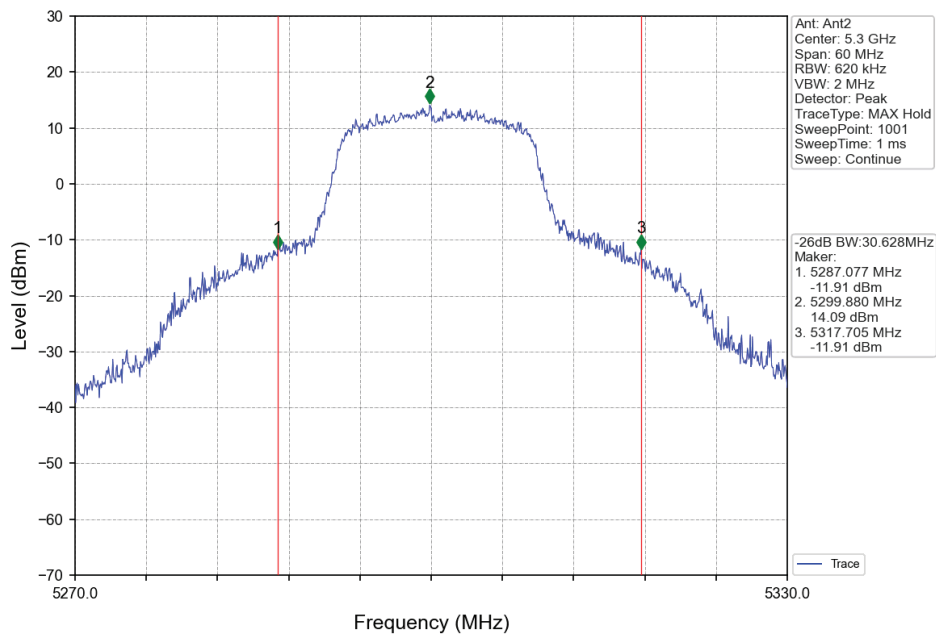
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802.11a_MCH_5300MHz_Ant1_NTNV



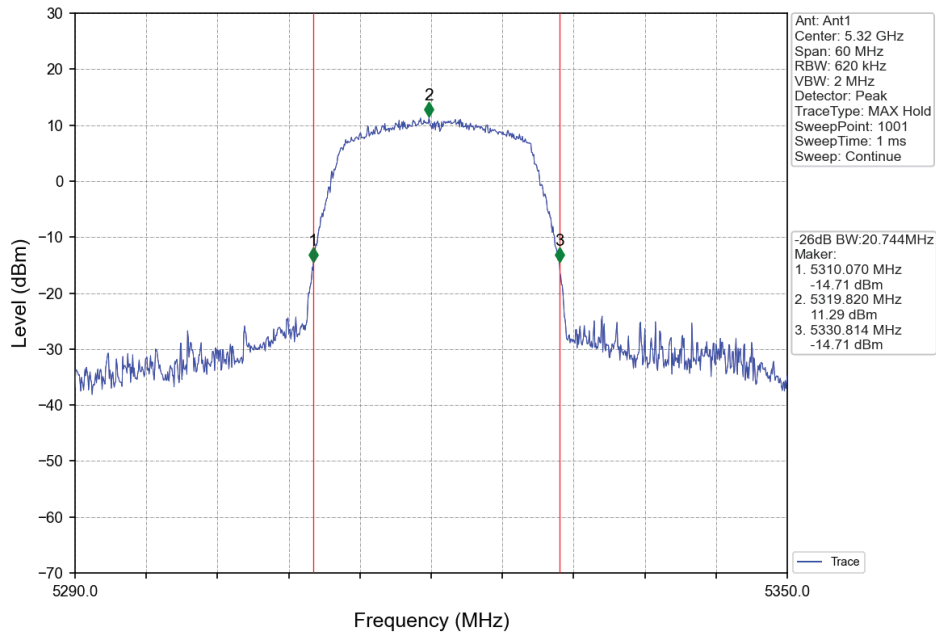
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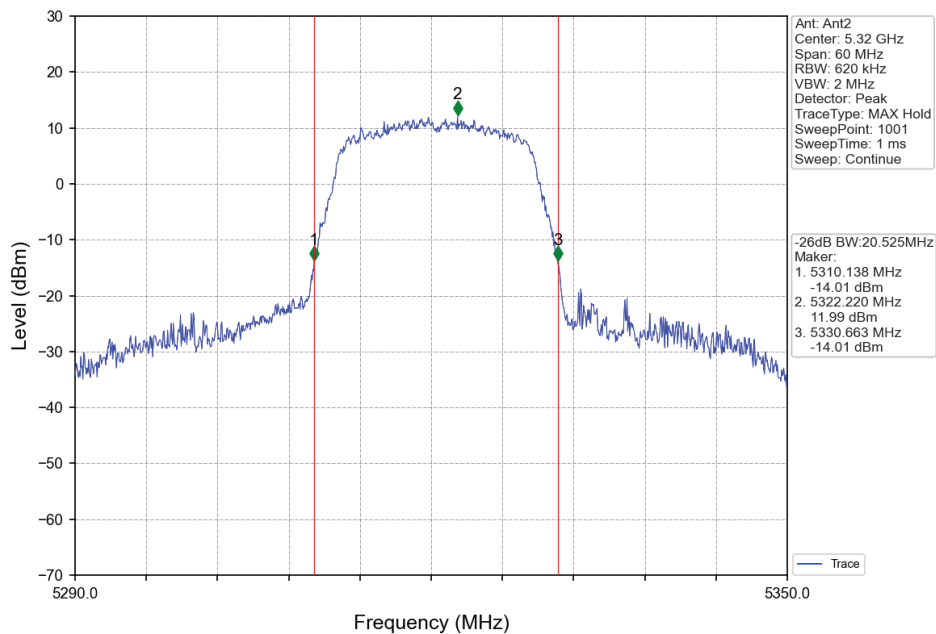
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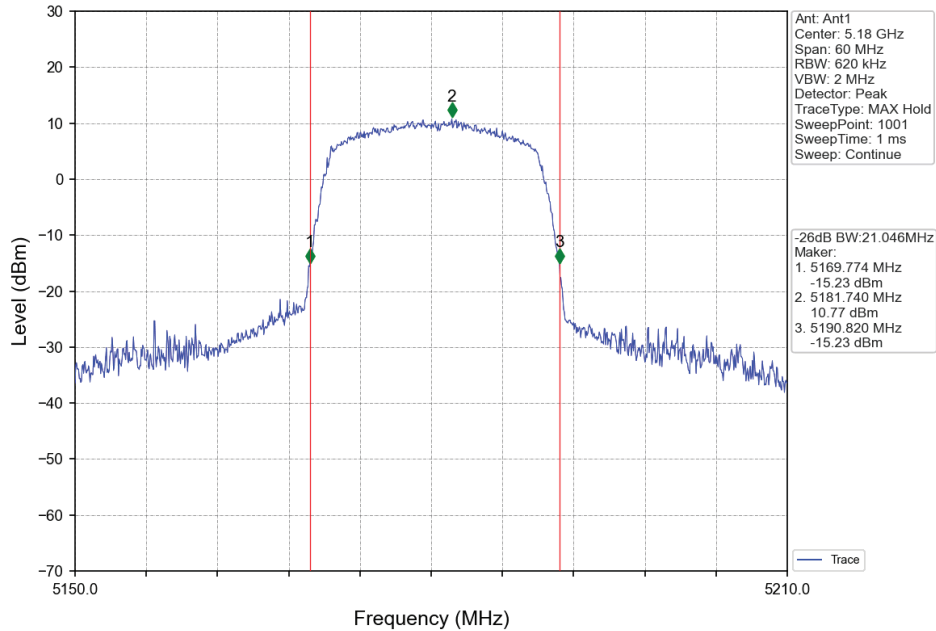
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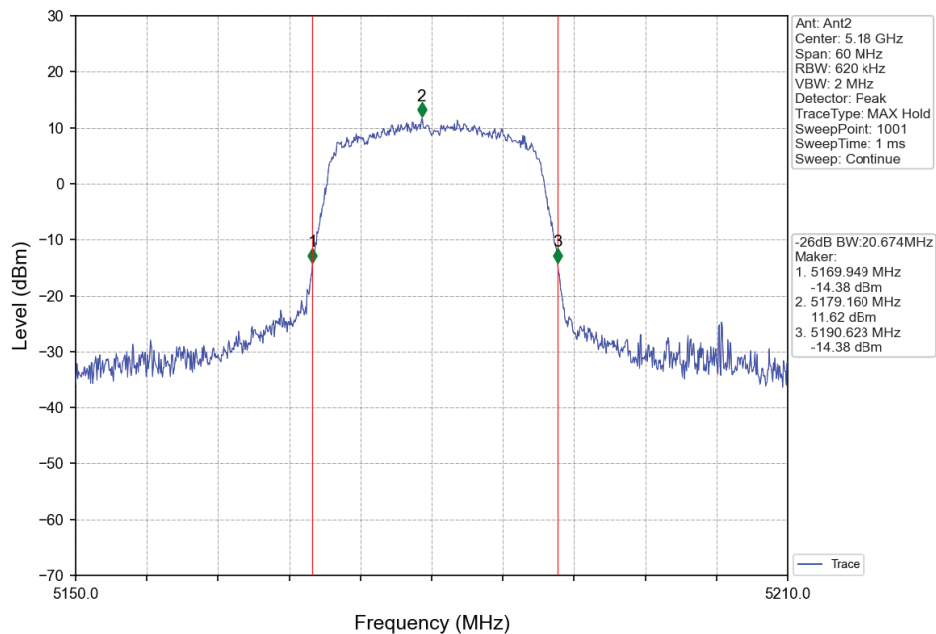
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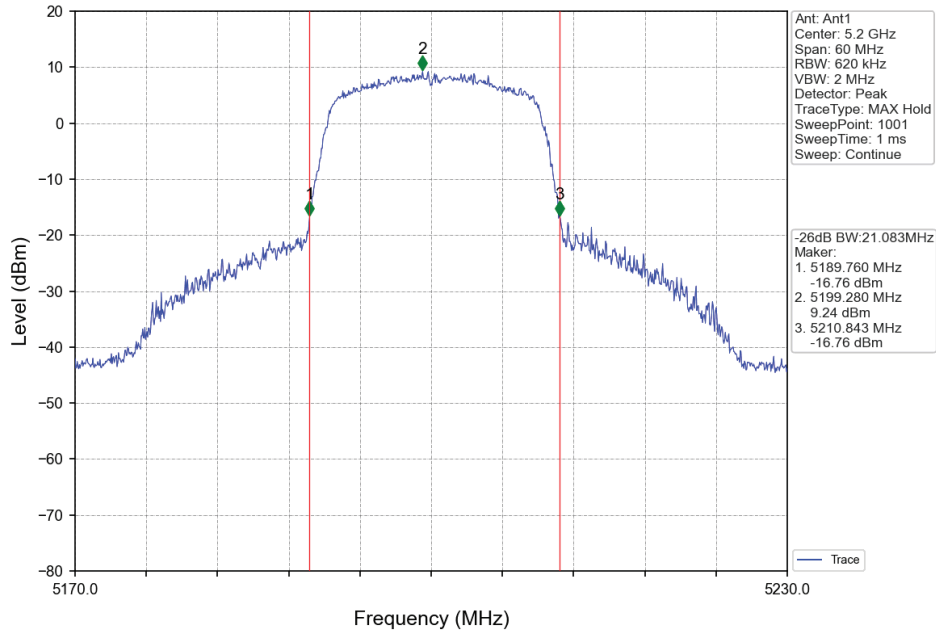
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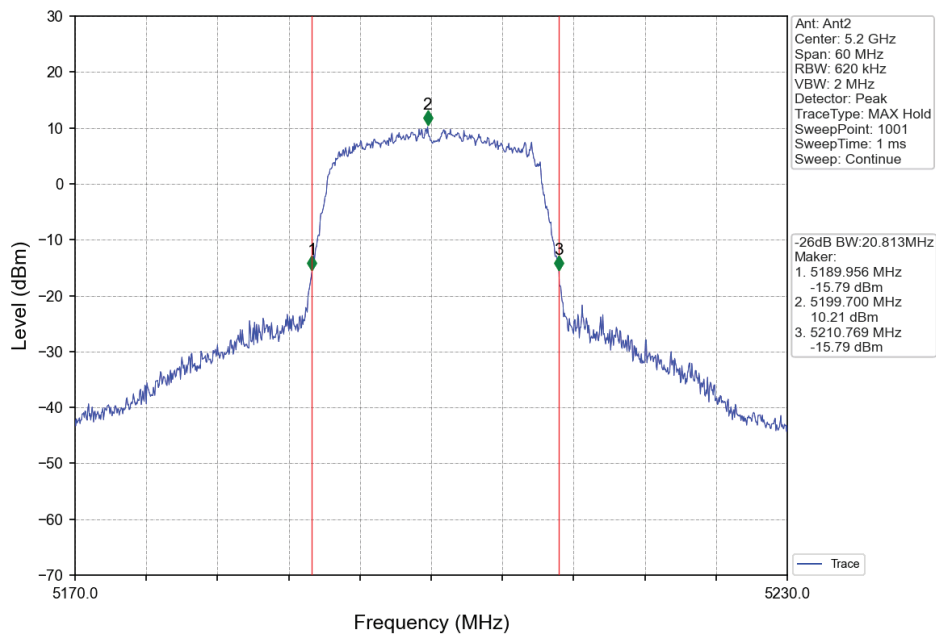
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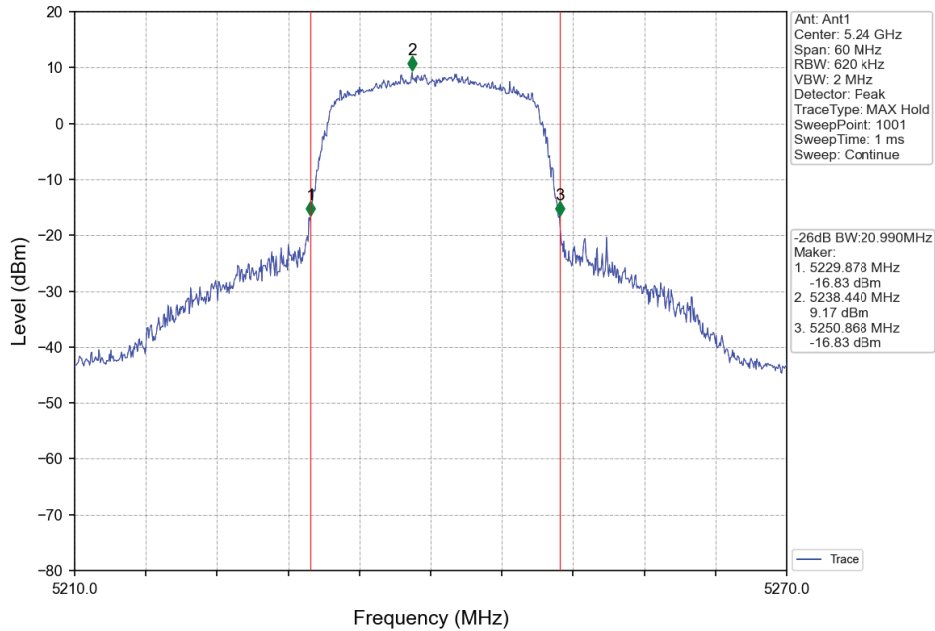
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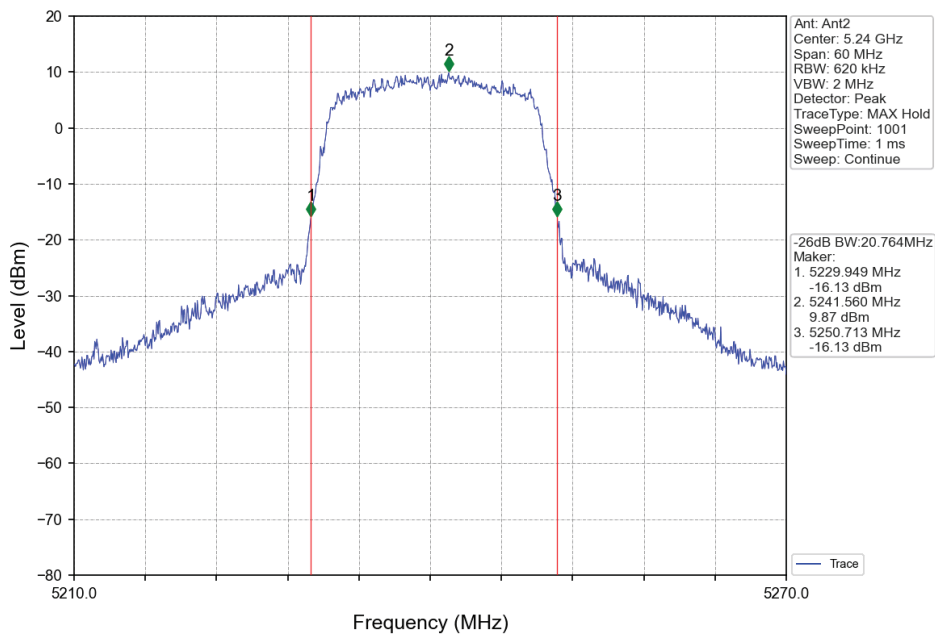
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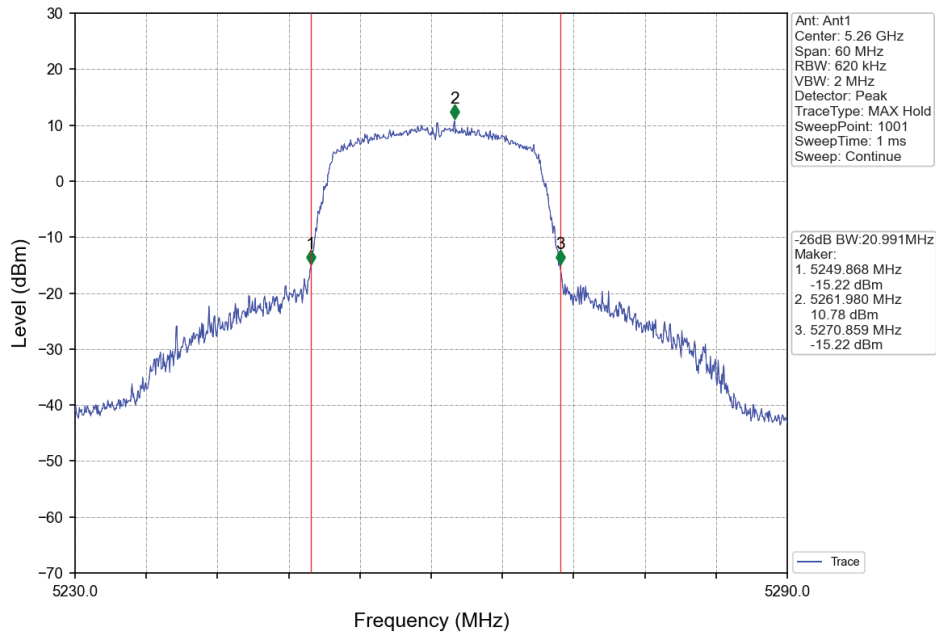
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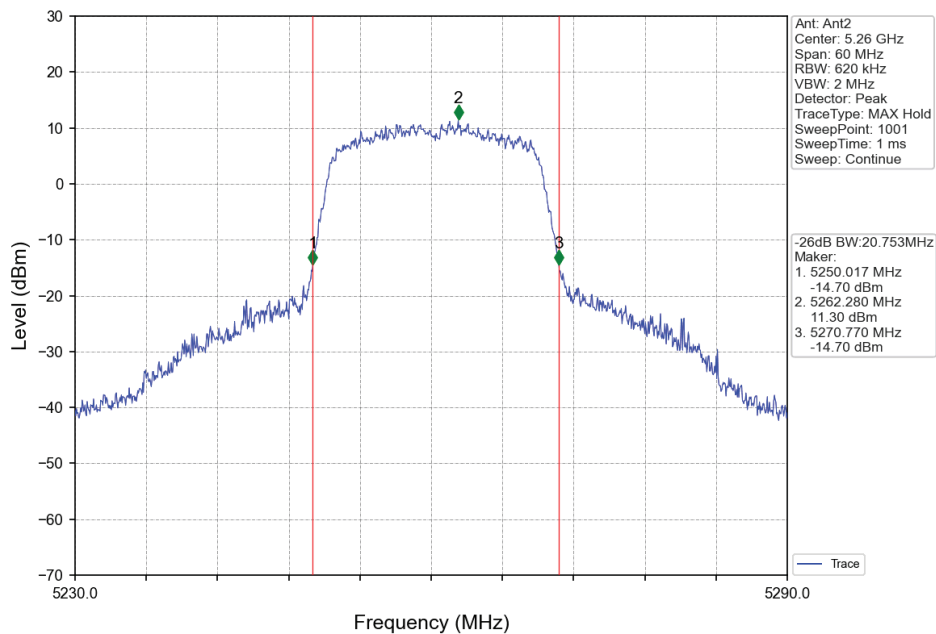
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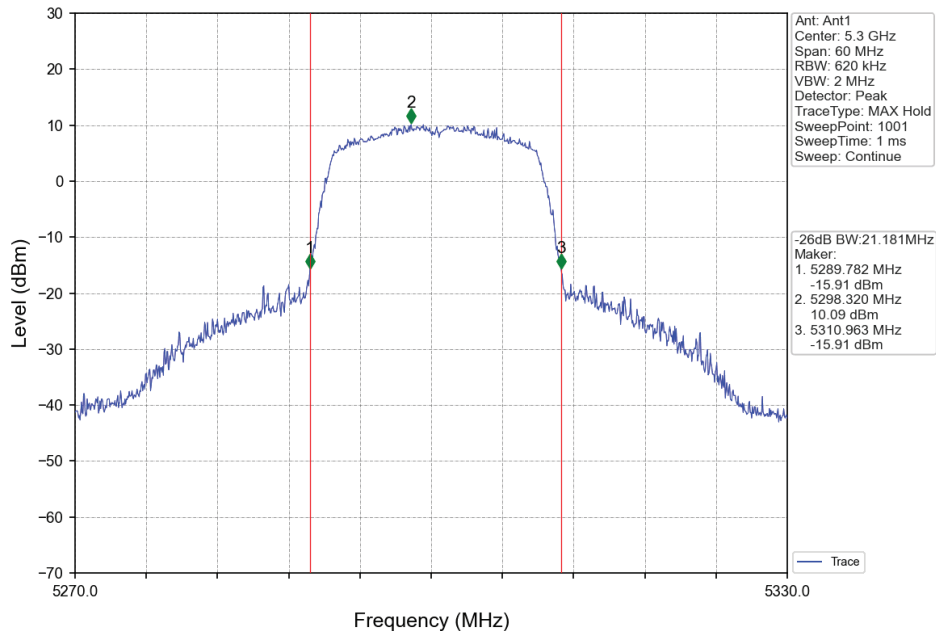
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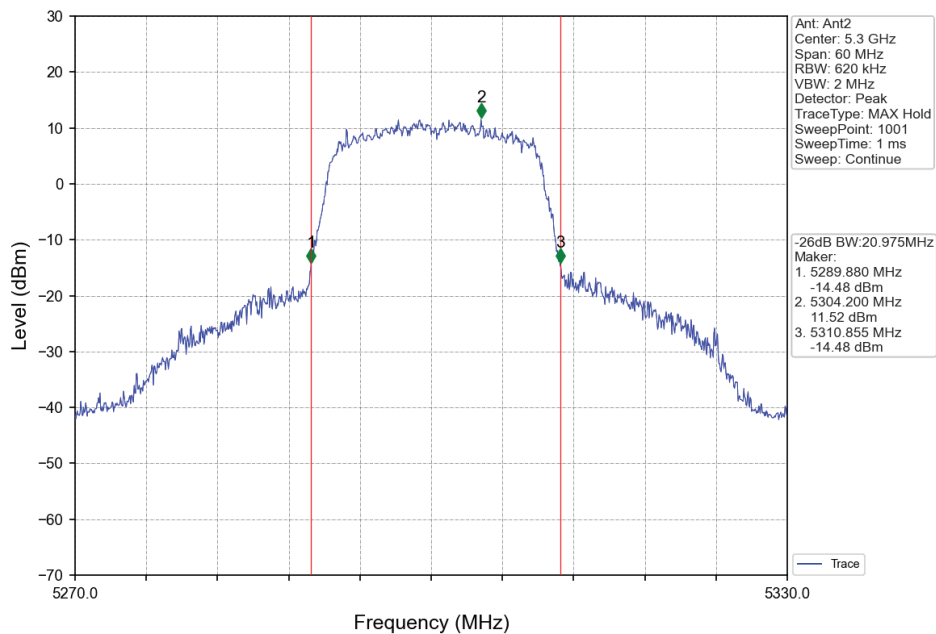
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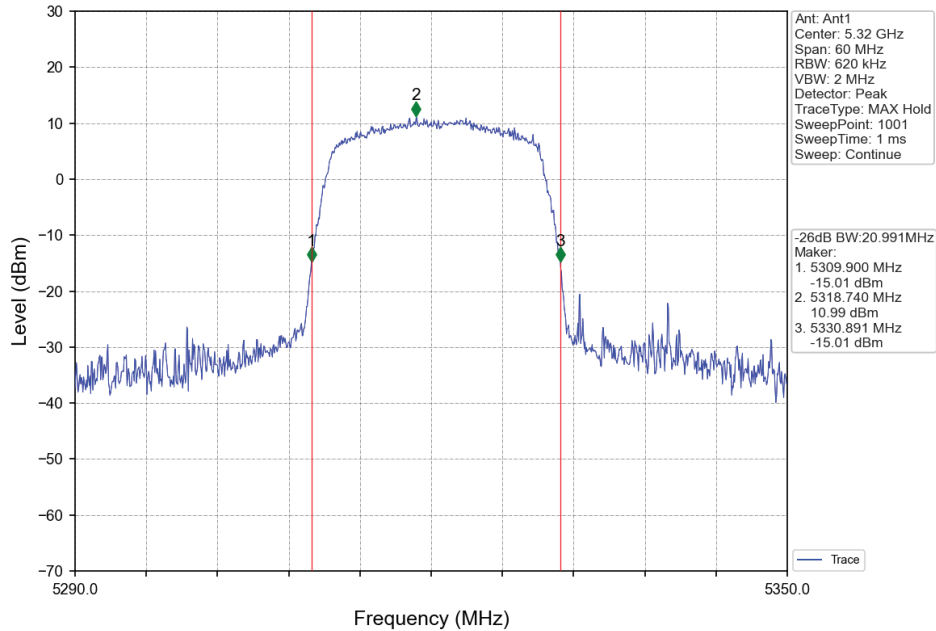
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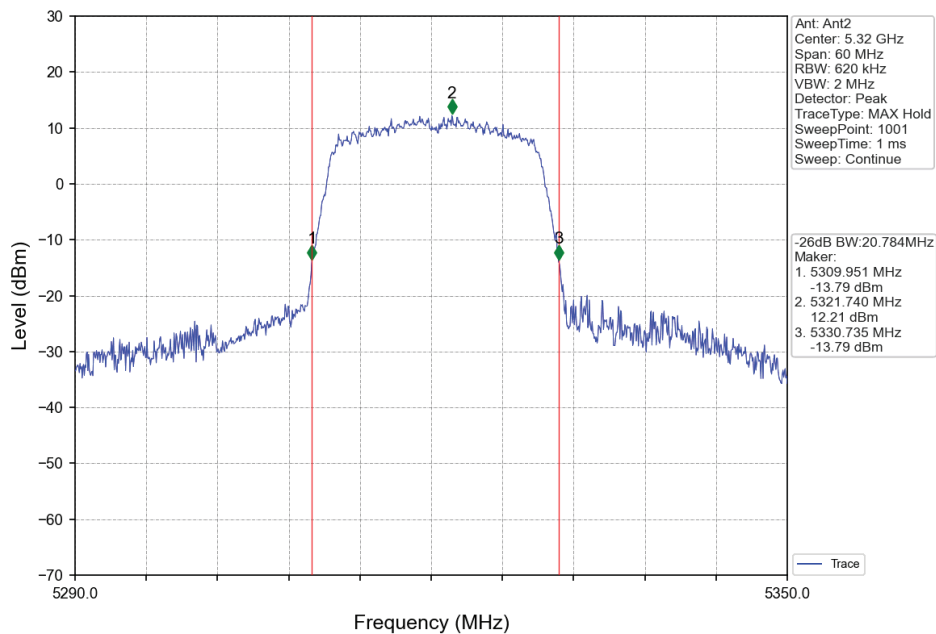
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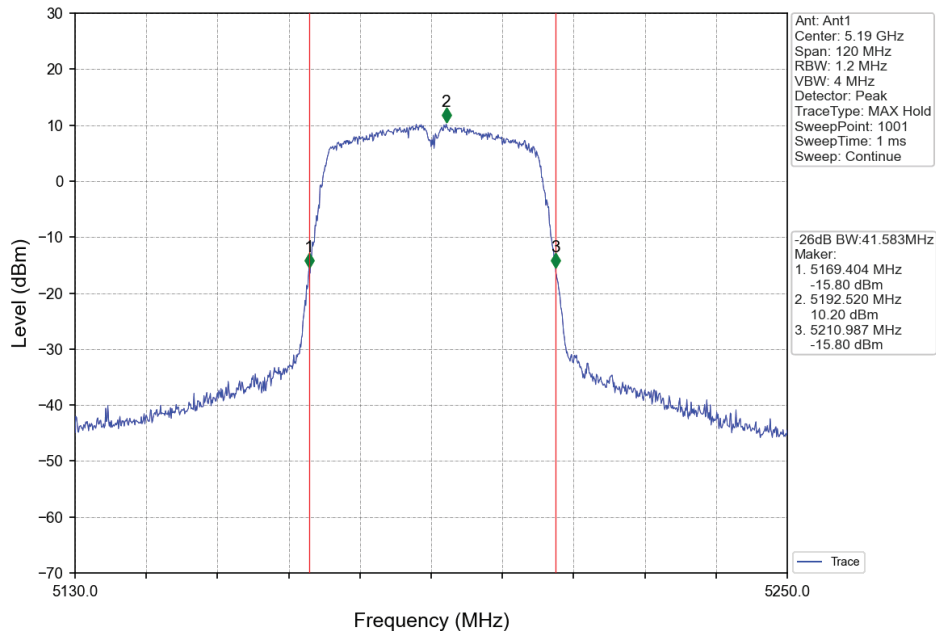
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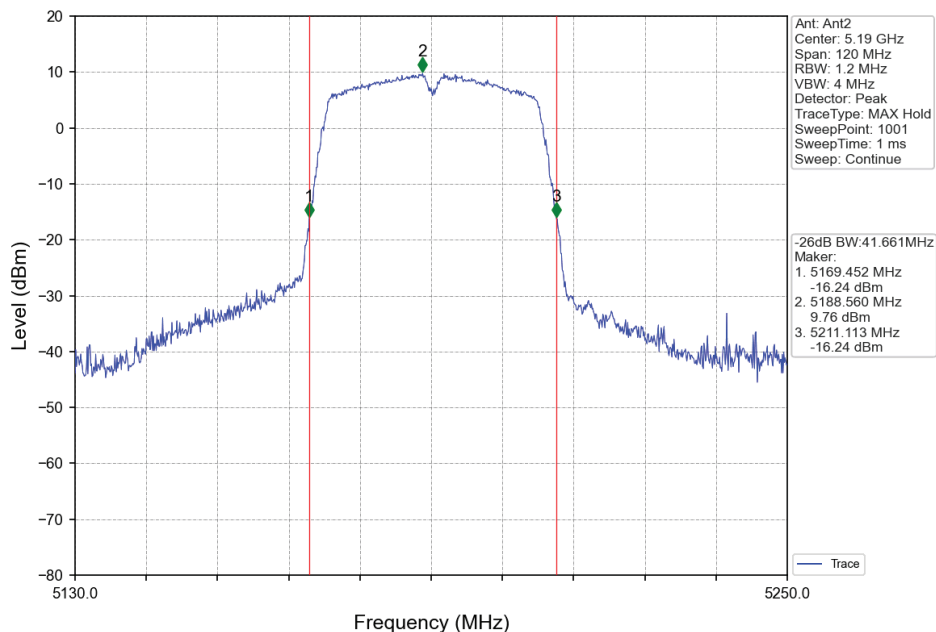
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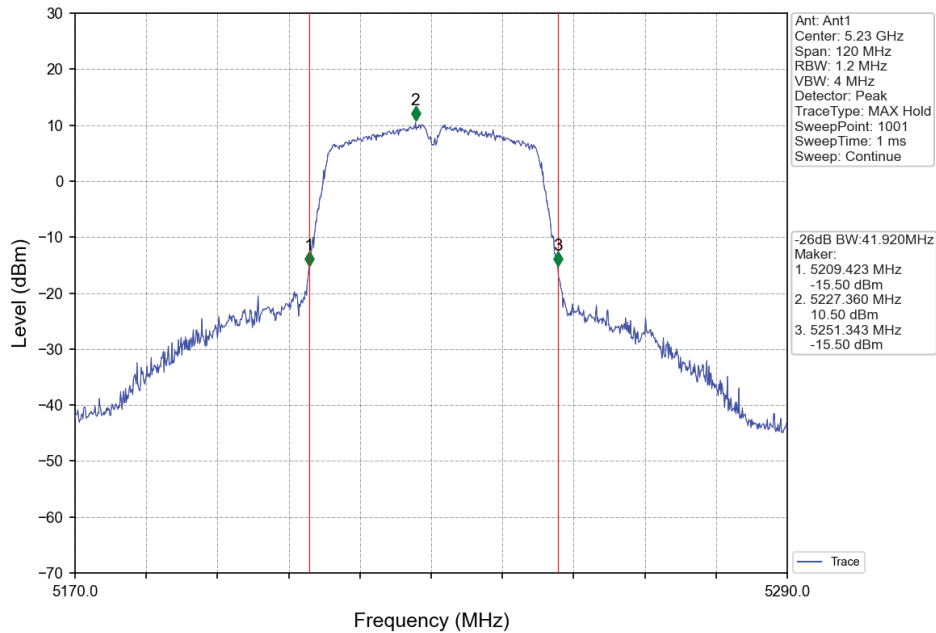
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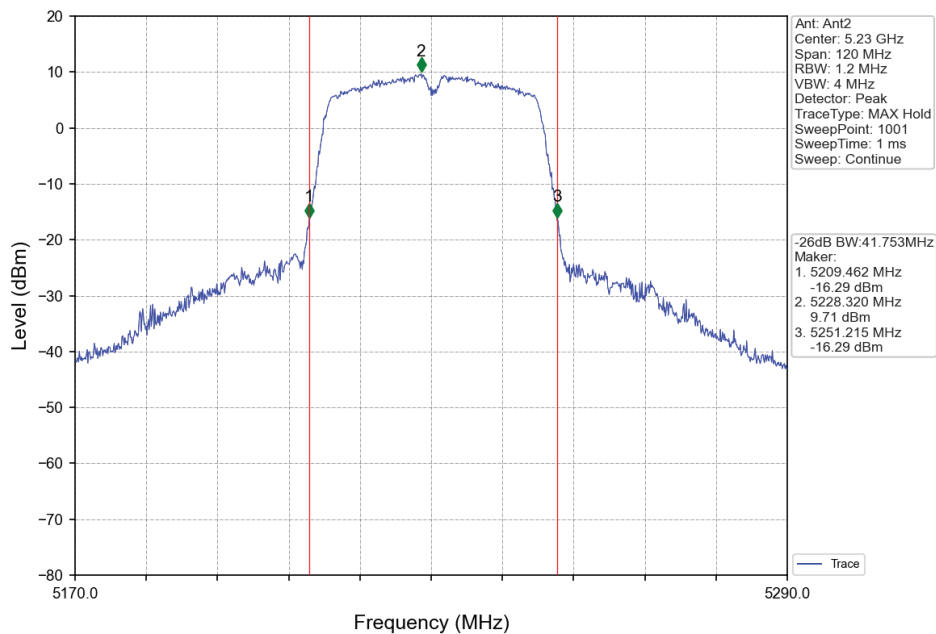
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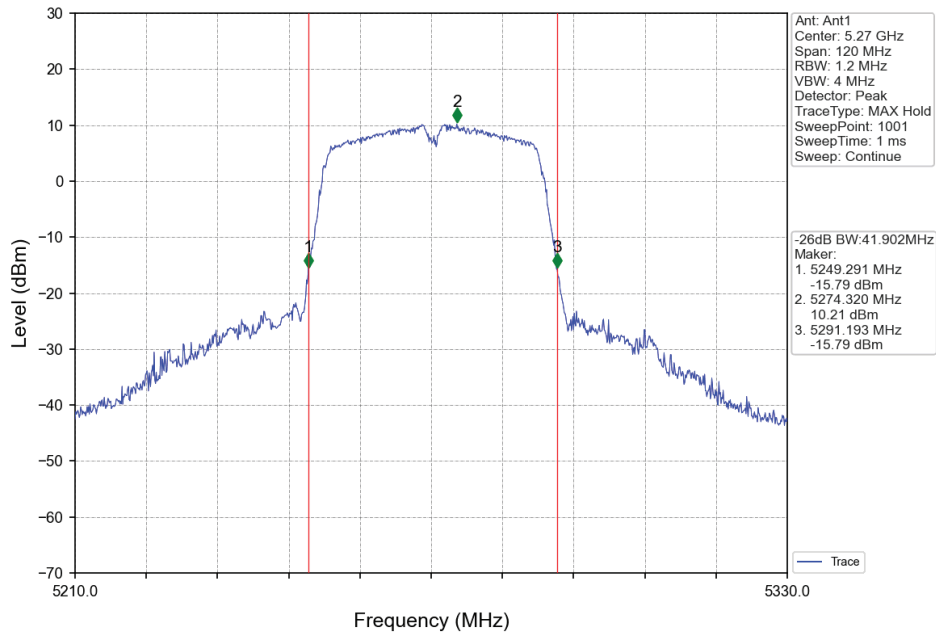
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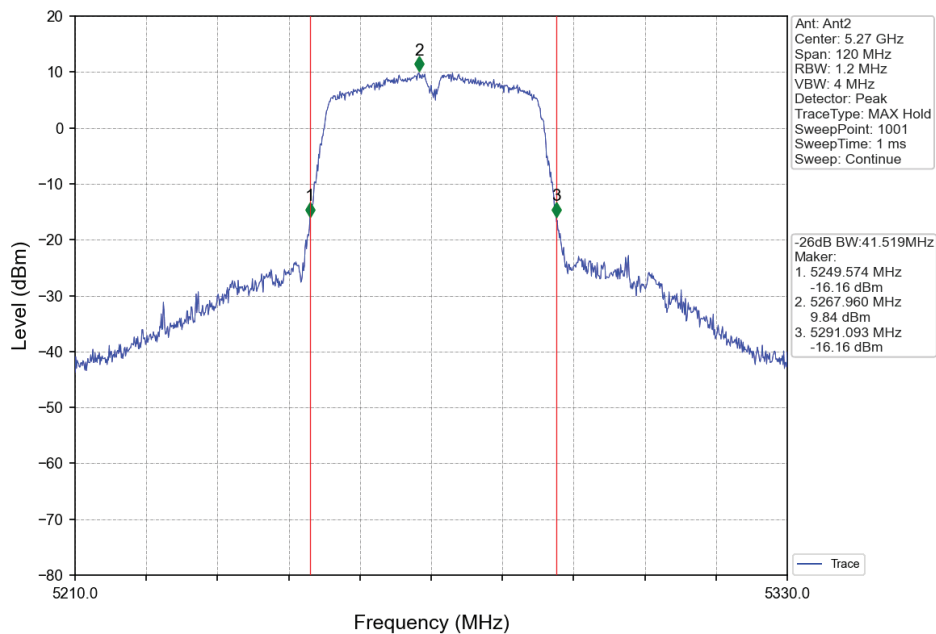
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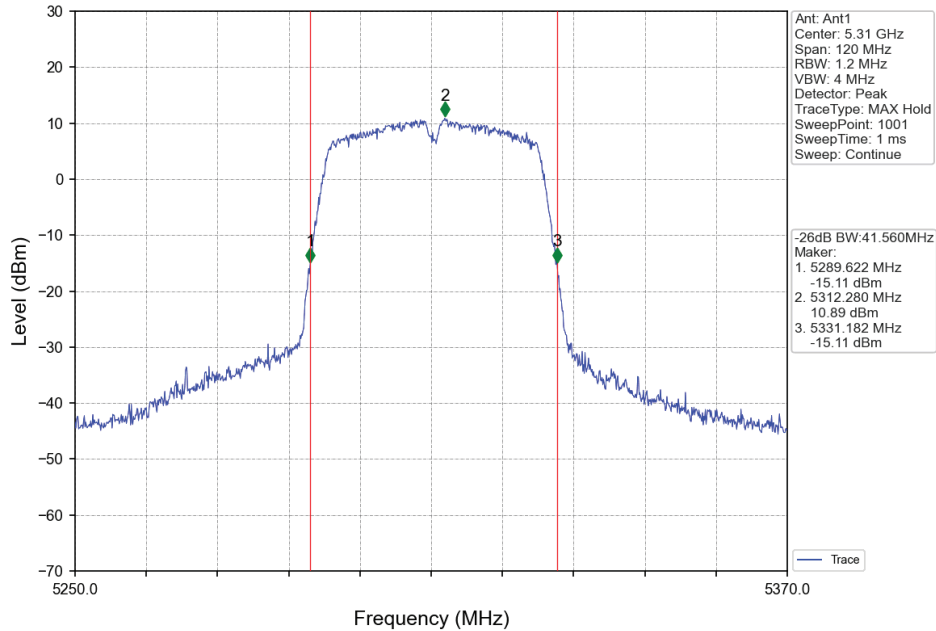
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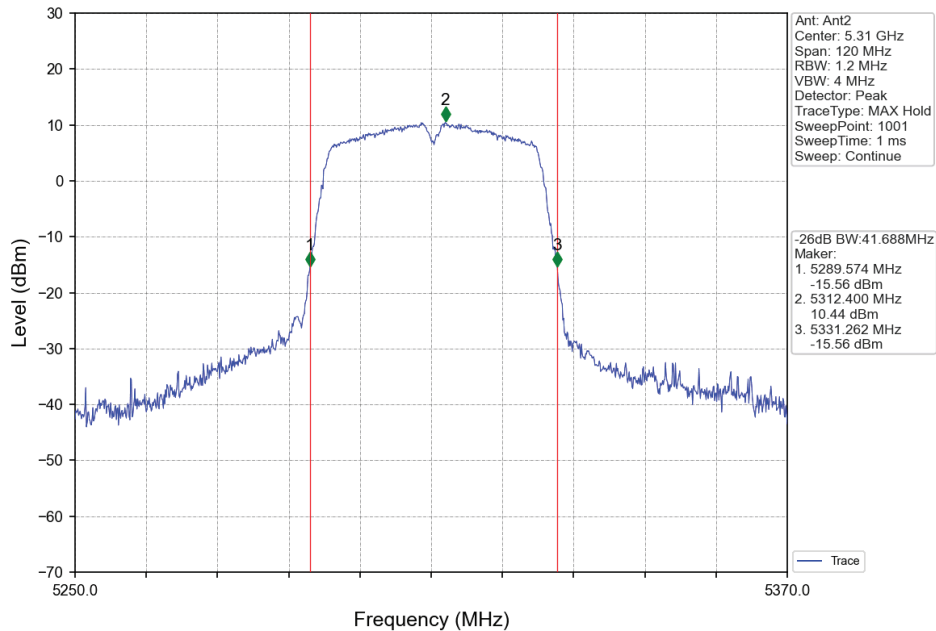
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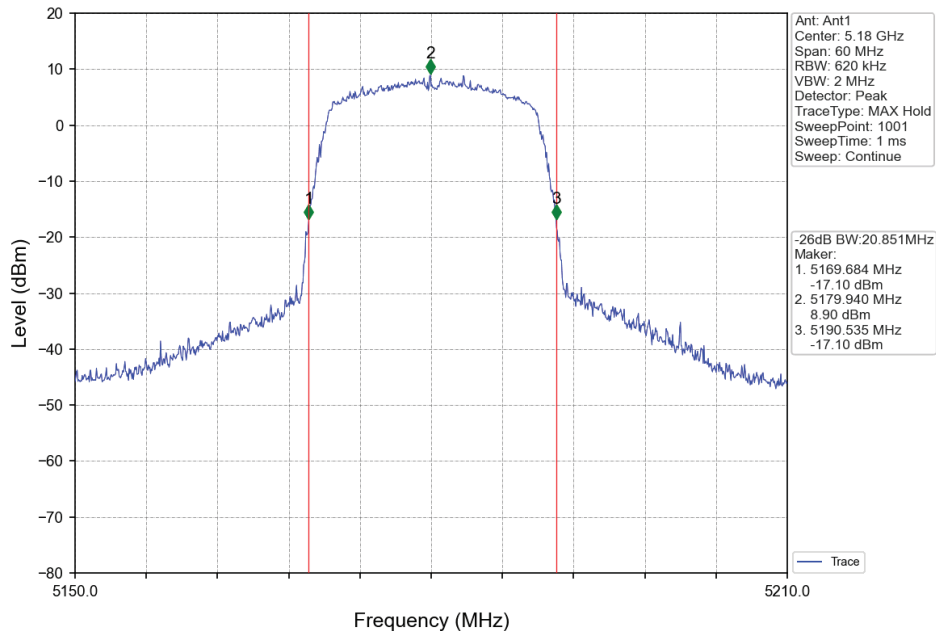
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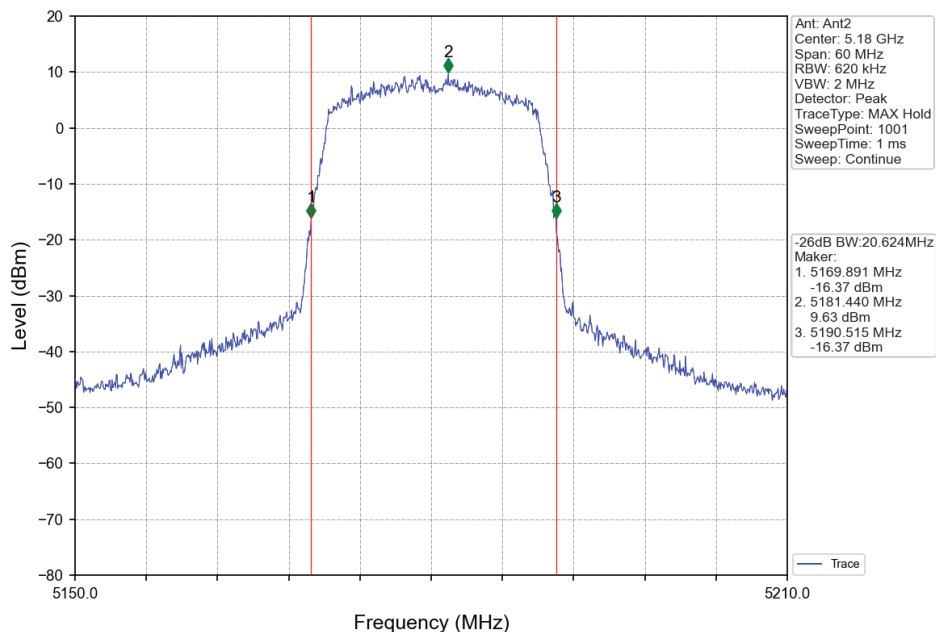
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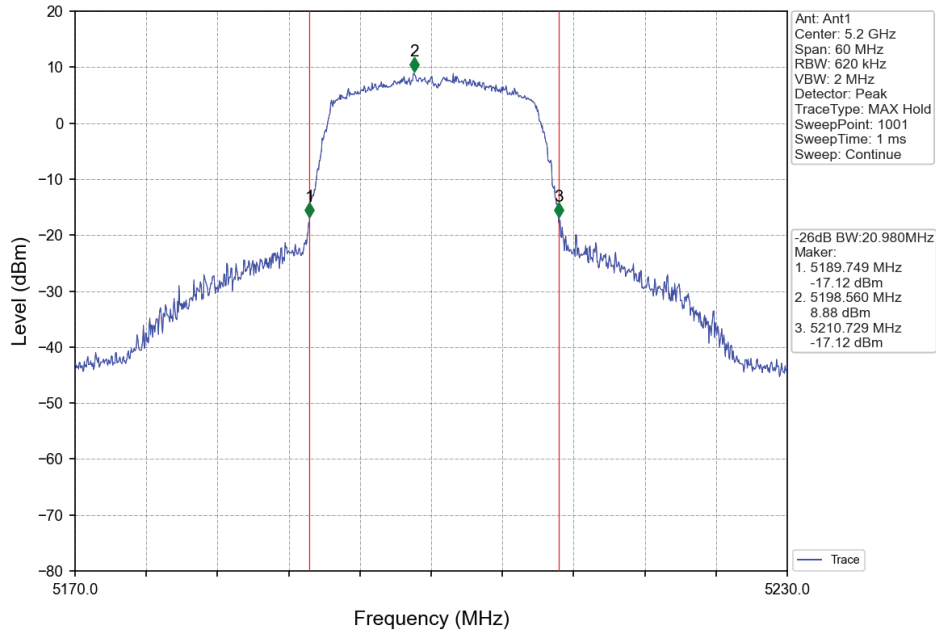
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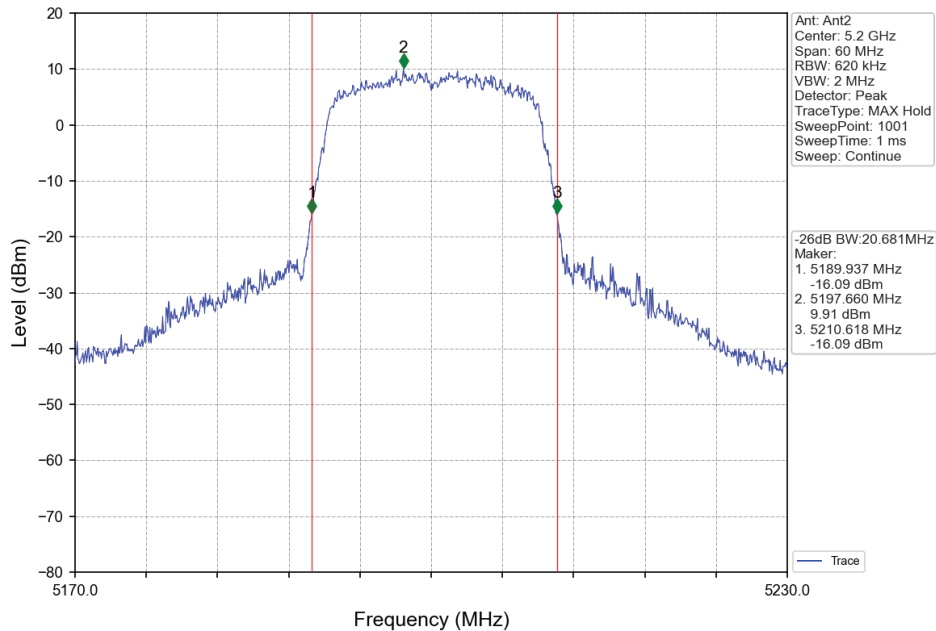
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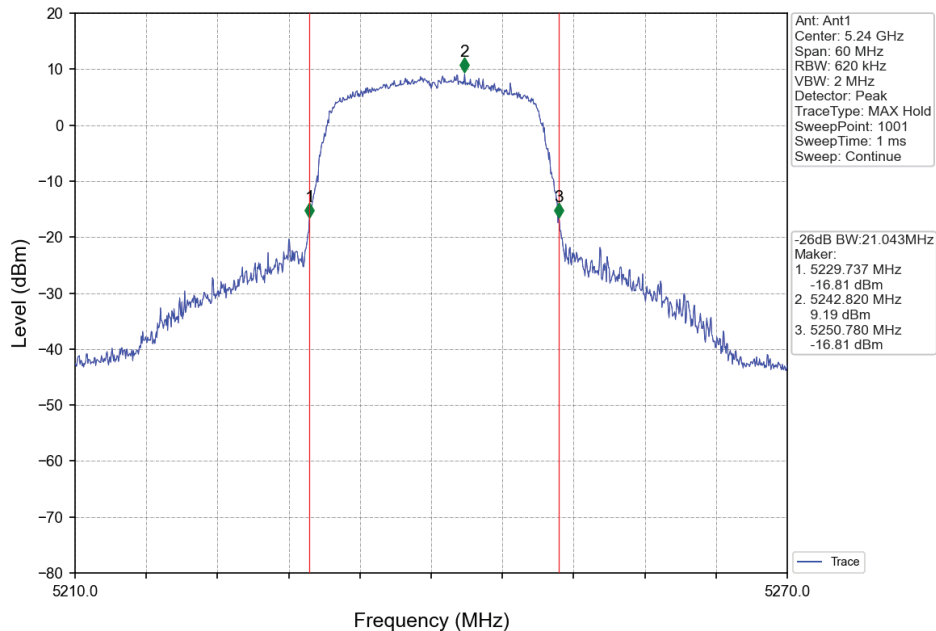
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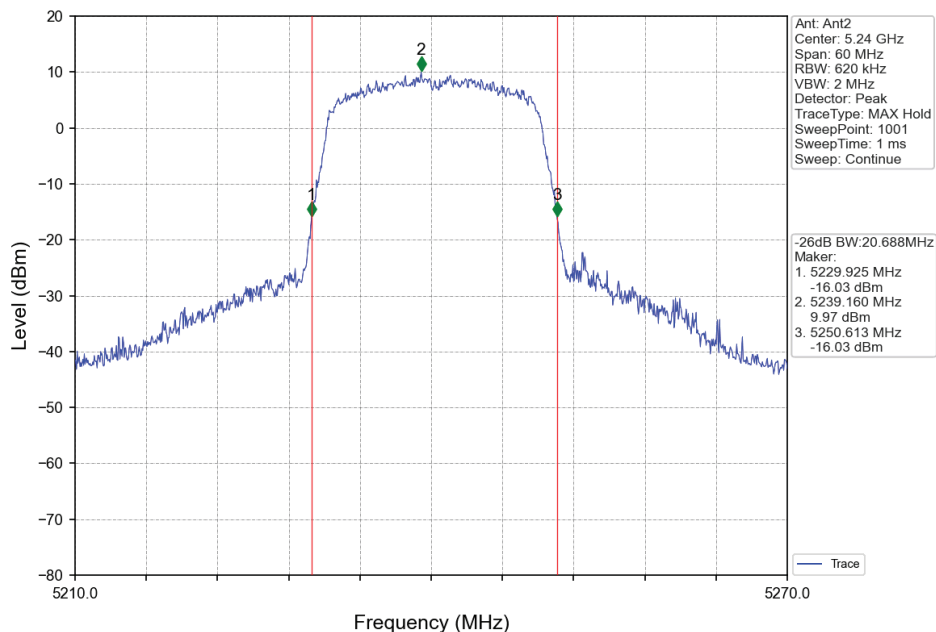
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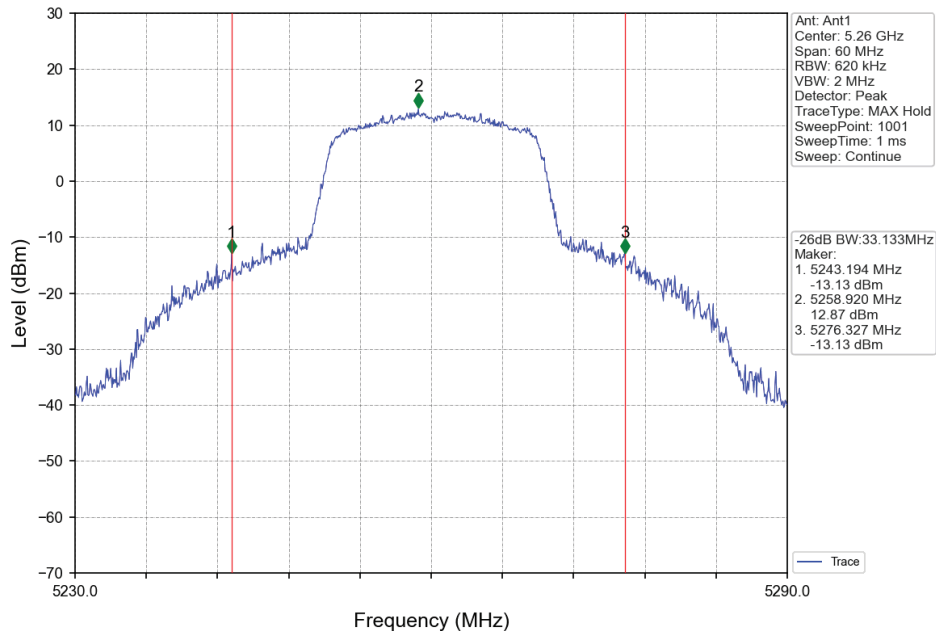
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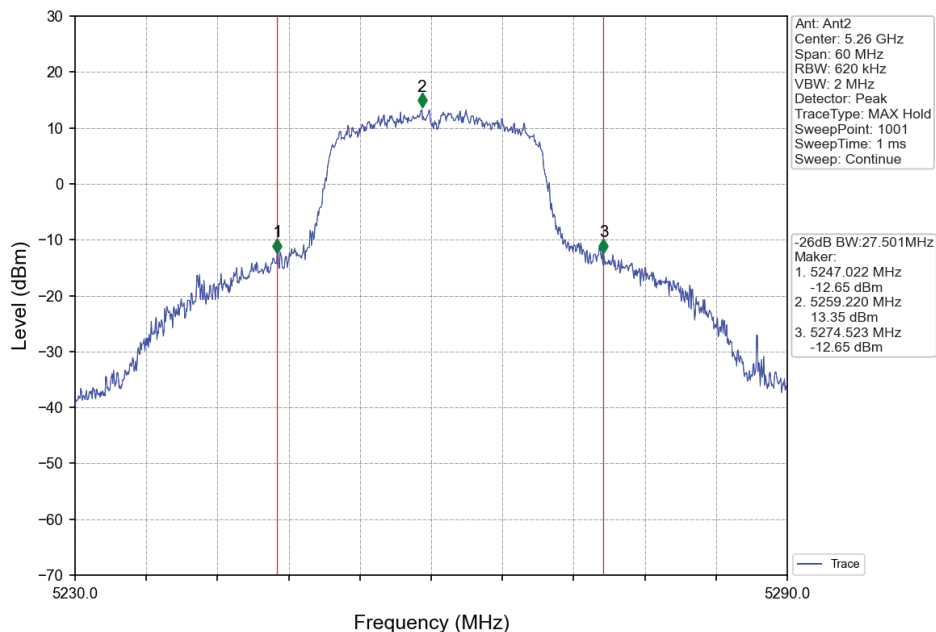
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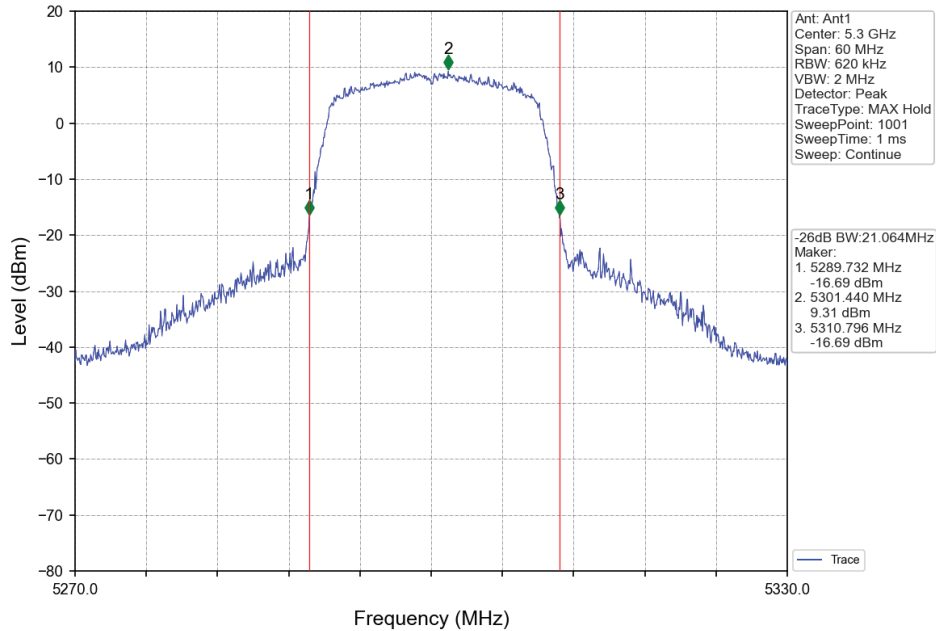
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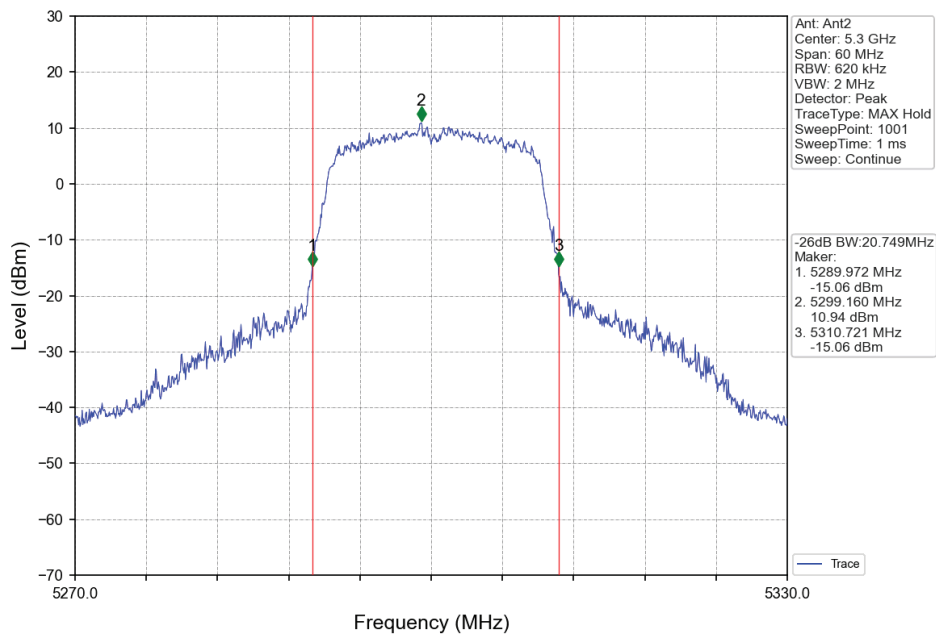
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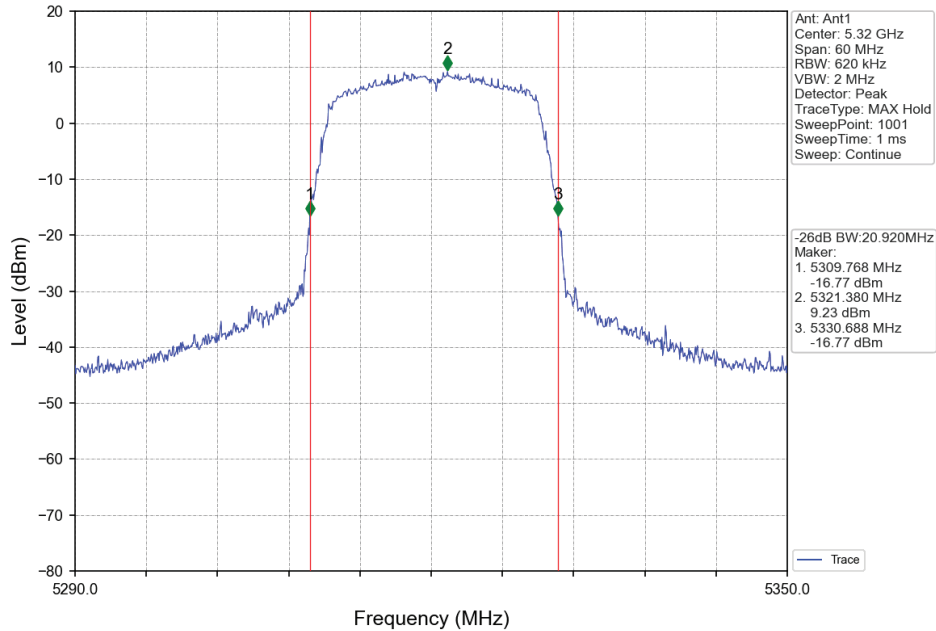
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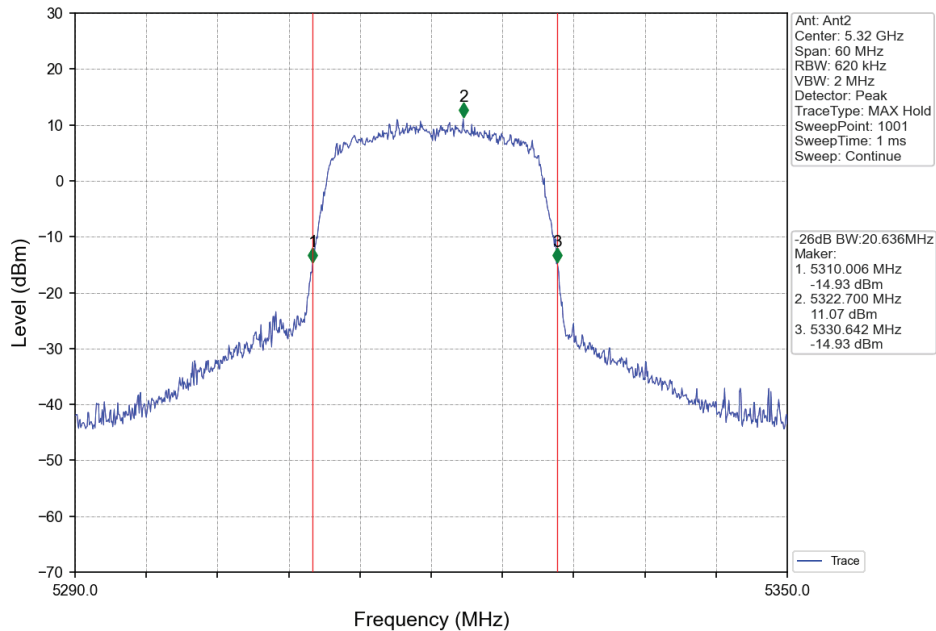
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



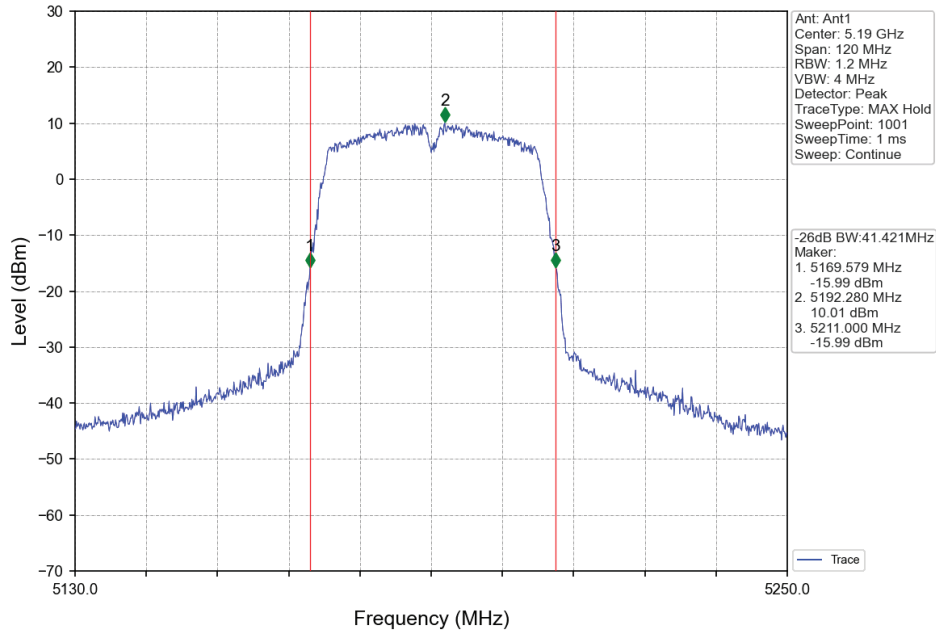
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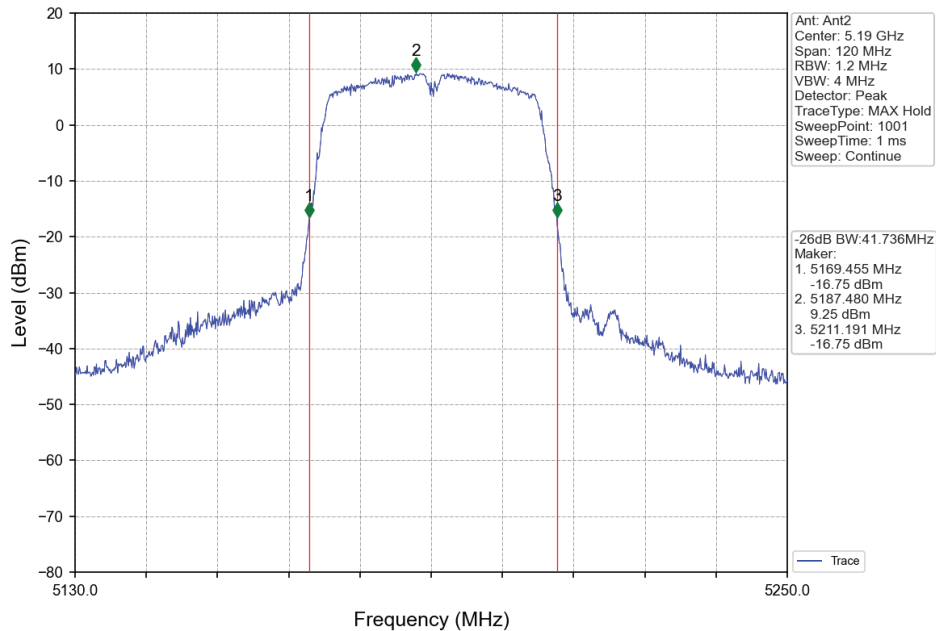
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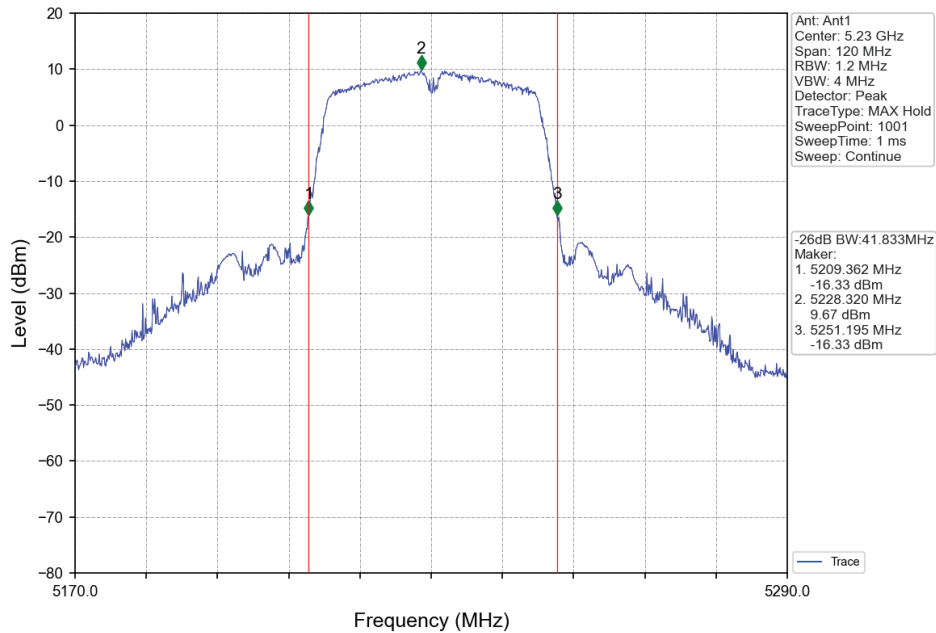
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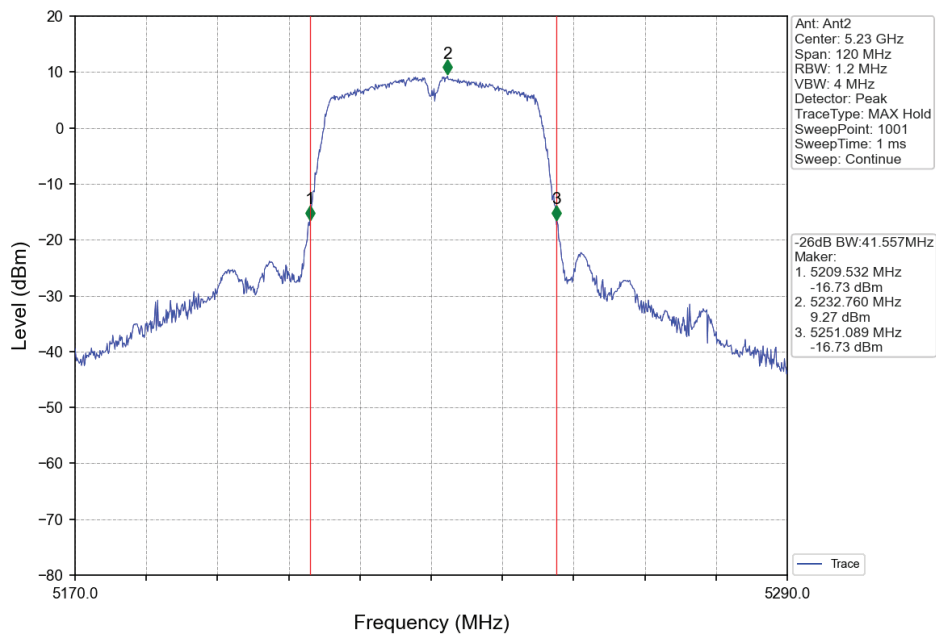
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



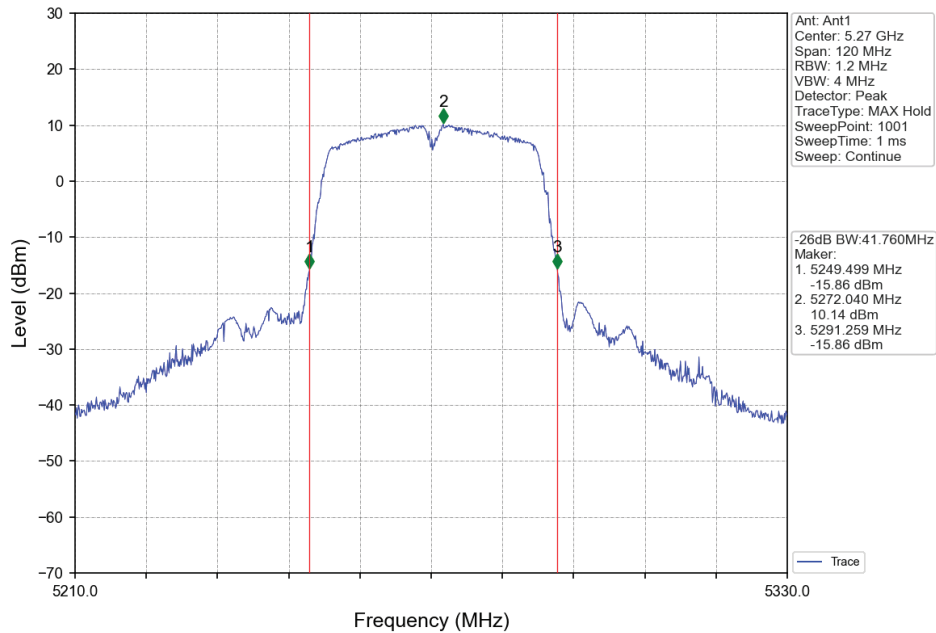
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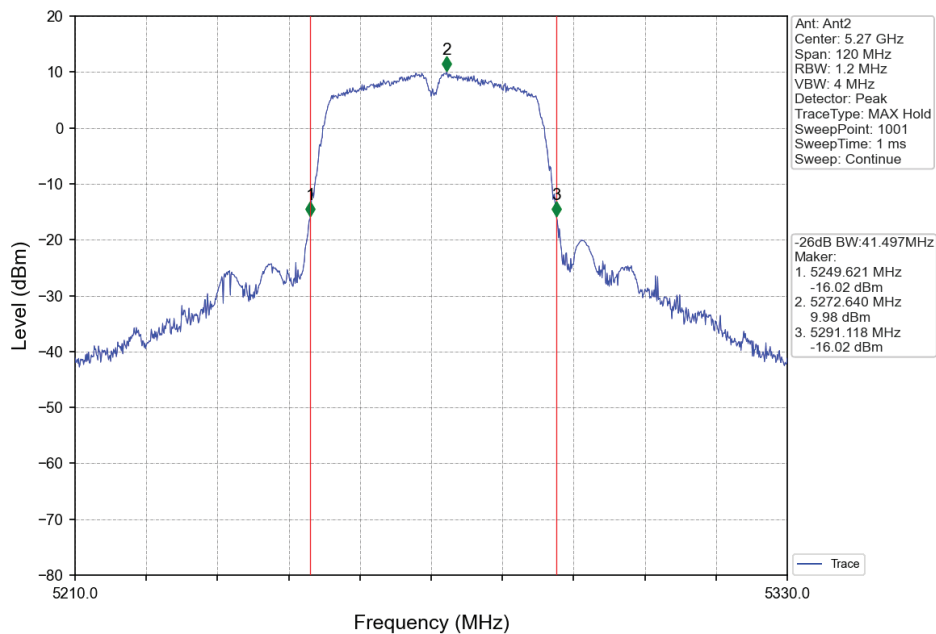
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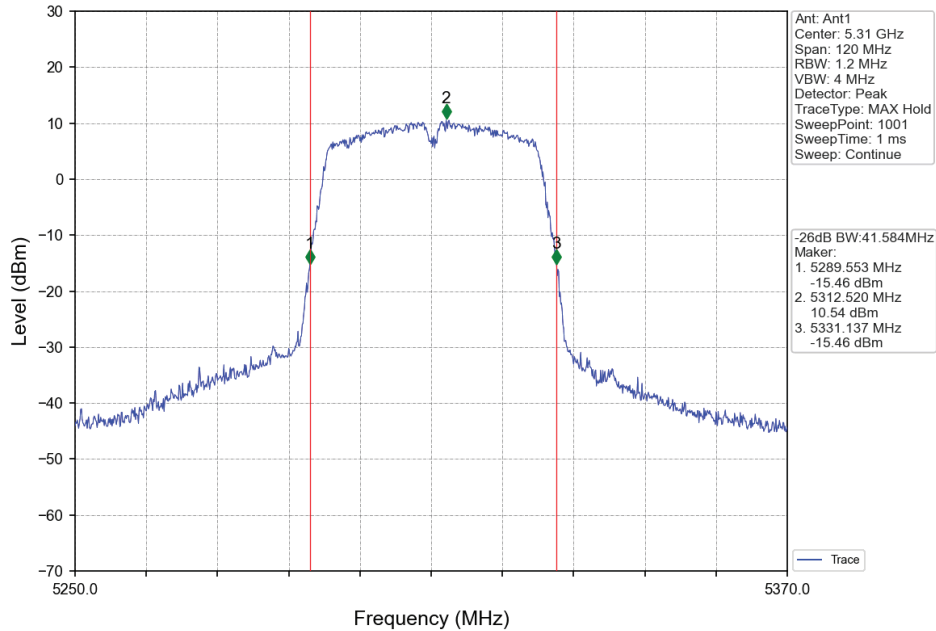
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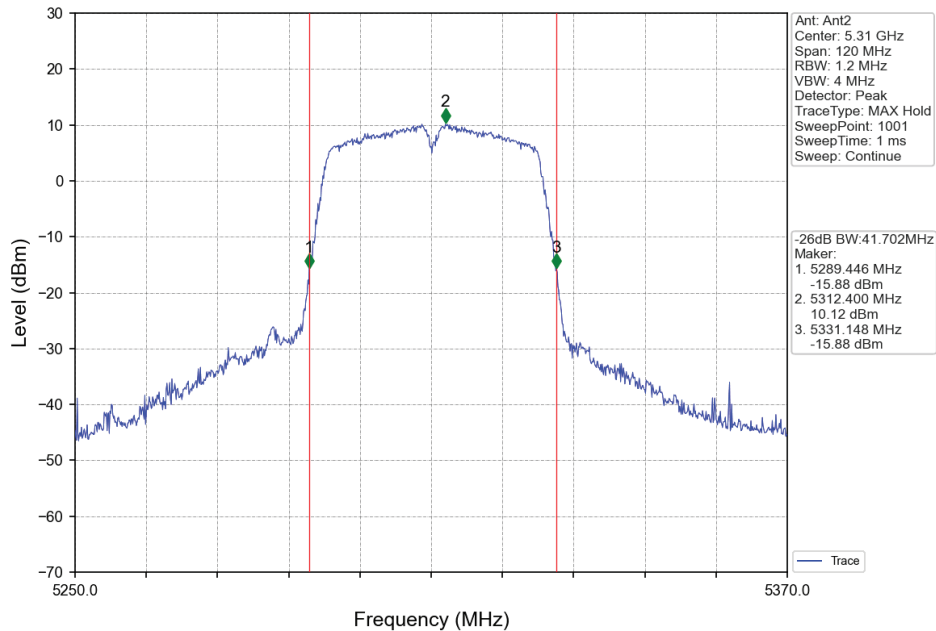
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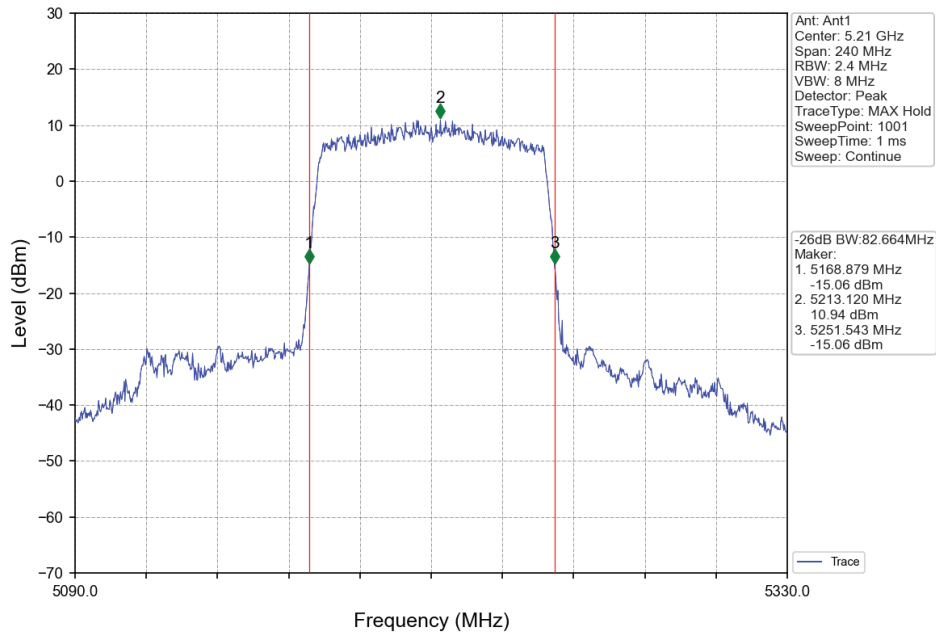
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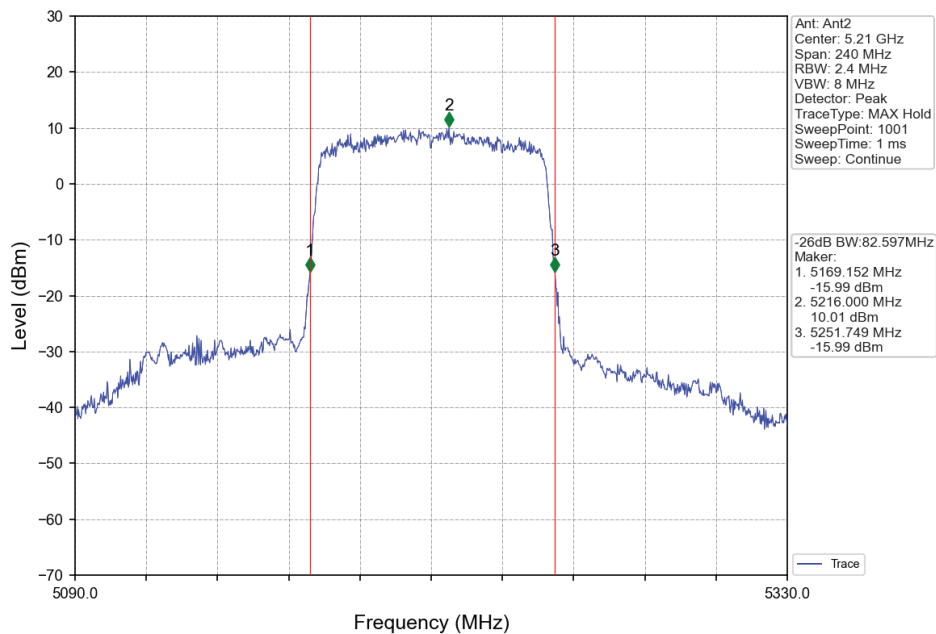
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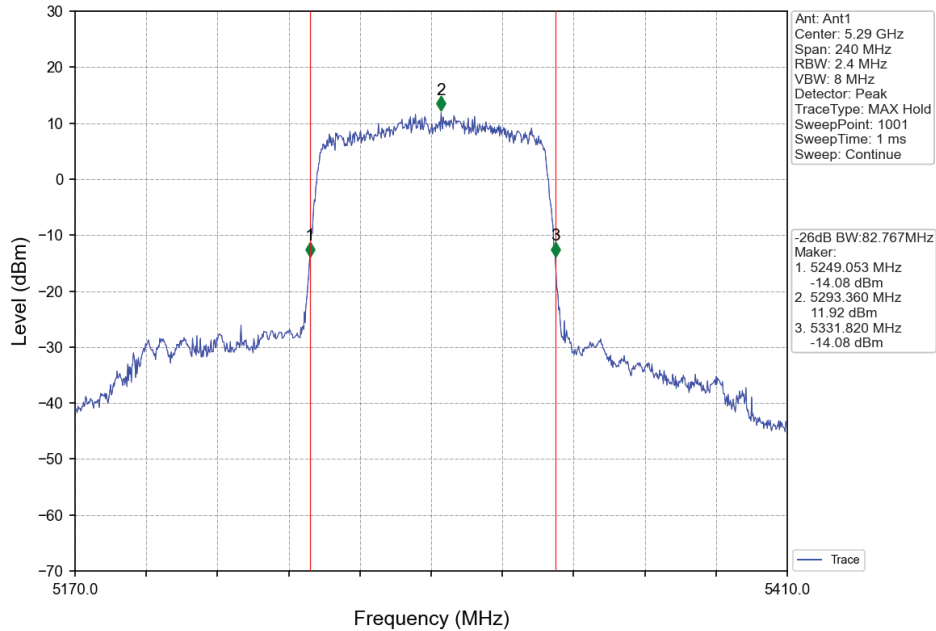
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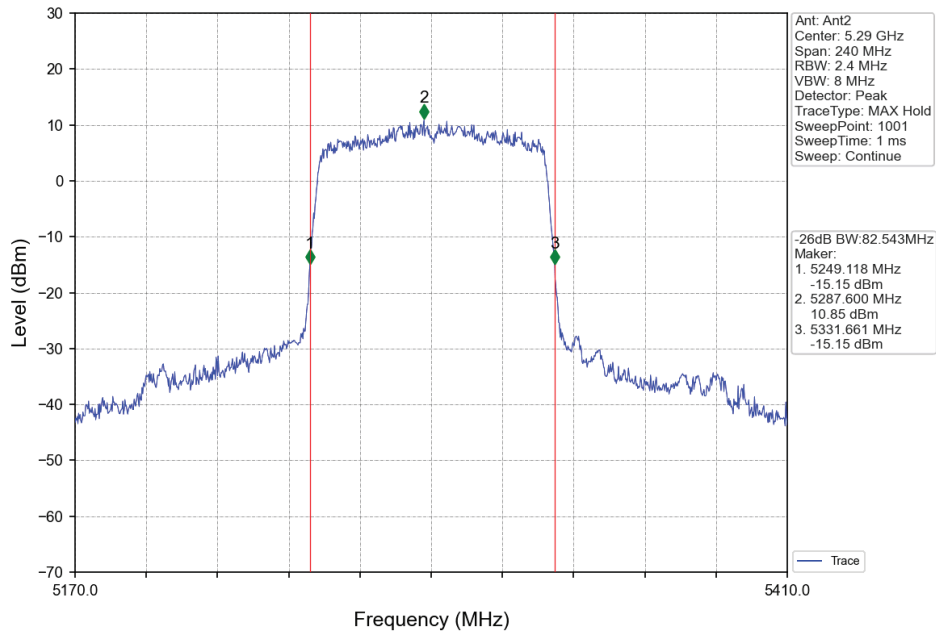
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802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	14.99	13.00	/	<=23.98	Pass
		5200	14.88	12.96	/	<=23.98	Pass
		5240	15.18	13.83	/	<=23.98	Pass
		5260	15.18	14.10	/	<=23.98	Pass
		5300	14.87	13.96	/	<=23.98	Pass
		5320	14.97	14.01	/	<=23.98	Pass
		5745	13.56	12.41	/	<=30	Pass
		5785	13.79	13.38	/	<=30	Pass
		5825	14.01	13.96	/	<=30	Pass
802.11n (HT20)	MIMO	5180	14.52	13.29	16.96	<=23.98	Pass
		5200	13.96	13.30	16.65	<=23.98	Pass
		5240	14.11	13.48	16.82	<=23.98	Pass
		5260	13.88	13.27	16.60	<=23.98	Pass
		5300	14.15	13.61	16.90	<=23.98	Pass
		5320	14.36	13.88	17.14	<=23.98	Pass
		5745	13.81	12.05	16.03	<=30	Pass
		5785	14.07	13.29	16.71	<=30	Pass
		5825	14.17	13.84	17.02	<=30	Pass
802.11n (HT40)	MIMO	5190	14.22	13.56	16.91	<=23.98	Pass
		5230	14.17	13.42	16.82	<=23.98	Pass
		5270	14.14	13.60	16.89	<=23.98	Pass
		5310	14.68	13.96	17.35	<=23.98	Pass
		5755	14.04	12.55	16.37	<=30	Pass
		5795	14.46	13.68	17.10	<=30	Pass
802.11ac (VHT20)	MIMO	5180	13.97	12.94	16.50	<=23.98	Pass
		5200	13.87	12.95	16.44	<=23.98	Pass
		5240	14.01	13.25	16.66	<=23.98	Pass
		5260	13.91	13.18	16.57	<=23.98	Pass
		5300	14.30	13.60	16.97	<=23.98	Pass
		5320	14.48	13.83	17.18	<=23.98	Pass
		5745	13.95	12.15	16.15	<=30	Pass
		5785	14.11	13.21	16.69	<=30	Pass
		5825	14.16	13.82	17.00	<=30	Pass



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802.11ac (VHT40)	MIMO	5190	14.13	13.39	16.79	<=23.98	Pass
		5230	13.89	13.13	16.54	<=23.98	Pass
		5270	13.97	13.21	16.62	<=23.98	Pass
		5310	14.53	13.86	17.22	<=23.98	Pass
		5755	13.80	12.36	16.15	<=30	Pass
		5795	14.15	13.40	16.80	<=30	Pass
802.11ac (VHT80)	MIMO	5210	13.52	12.71	16.14	<=23.98	Pass
		5290	14.09	13.37	16.76	<=23.98	Pass
		5775	13.58	12.44	16.06	<=30	Pass

Note1: Antenna Gain: Ant1:3.25dBi;Ant2: 3.55dBi;

Note2: Directional Gain: 3.55dBi;

Since the number of transmit antennas is less than 4, Array gain=0dB.



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4. Maximum Power Spectral Density

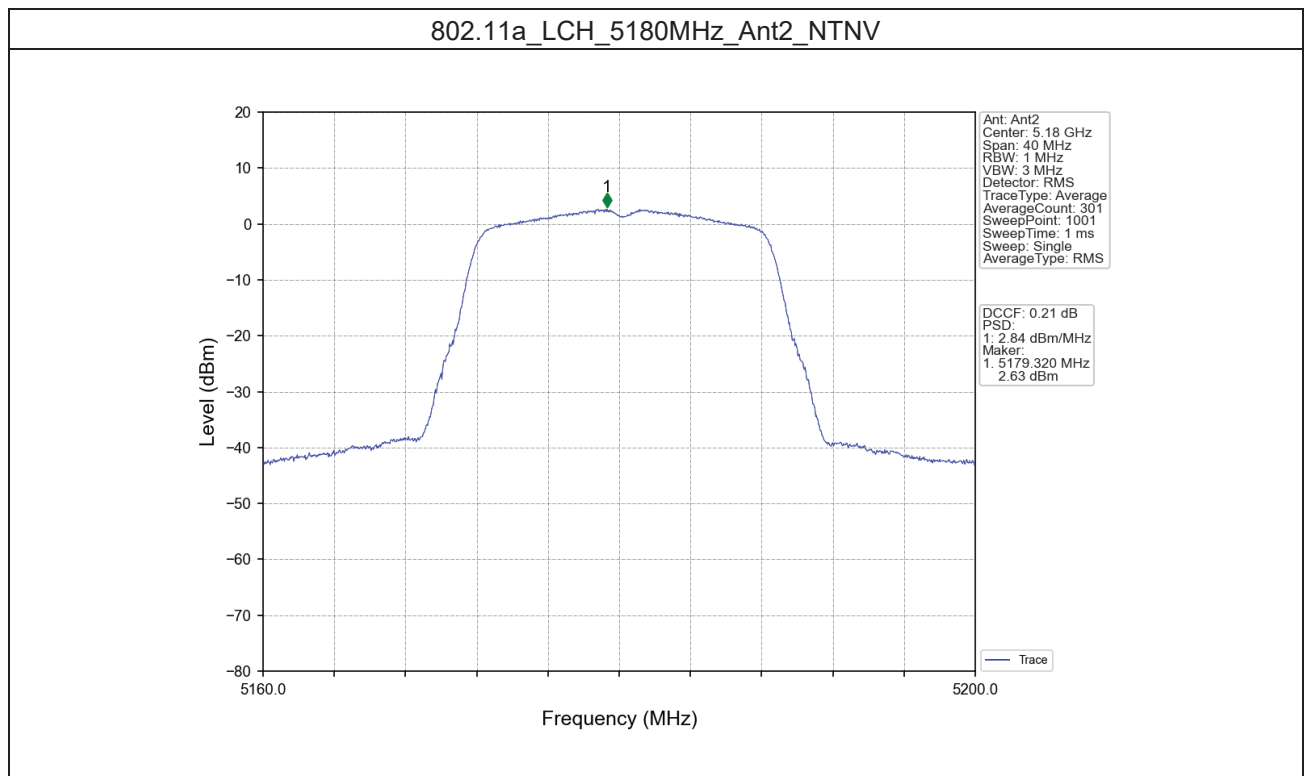
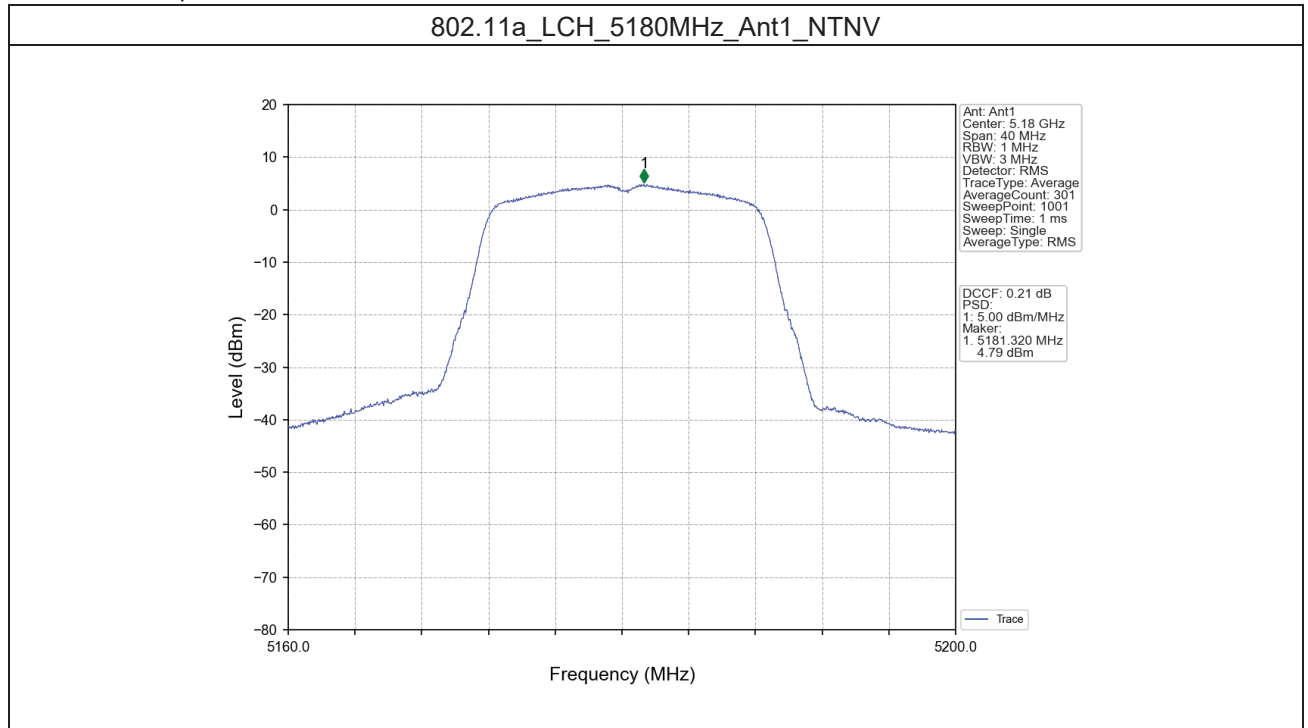
4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	5.00	2.84	/	<=11	Pass
		5200	4.80	2.91	/	<=11	Pass
		5240	5.00	3.73	/	<=11	Pass
		5260	5.42	3.94	/	<=11	Pass
		5300	4.68	3.69	/	<=11	Pass
		5320	4.93	3.91	/	<=11	Pass
802.11n (HT20)	MIMO	5180	4.11	2.62	6.41	<=10.44	Pass
		5200	3.52	2.97	6.11	<=10.44	Pass
		5240	3.68	2.98	6.27	<=10.44	Pass
		5260	3.58	2.85	6.11	<=10.44	Pass
		5300	3.68	3.14	6.33	<=10.44	Pass
		5320	4.09	3.40	6.69	<=10.44	Pass
802.11n (HT40)	MIMO	5190	0.69	-0.03	3.33	<=10.44	Pass
		5230	0.66	-0.03	3.33	<=10.44	Pass
		5270	0.60	0.23	3.29	<=10.44	Pass
		5310	1.26	0.60	3.89	<=10.44	Pass
802.11ac (VHT20)	MIMO	5180	3.68	2.60	6.13	<=10.44	Pass
		5200	3.39	2.75	6.04	<=10.44	Pass
		5240	3.61	2.97	6.21	<=10.44	Pass
		5260	3.36	2.85	6.07	<=10.44	Pass
		5300	3.88	3.22	6.44	<=10.44	Pass
		5320	3.98	3.42	6.60	<=10.44	Pass
802.11ac (VHT40)	MIMO	5190	0.73	-0.33	3.20	<=10.44	Pass
		5230	0.38	-0.40	3.01	<=10.44	Pass
		5270	0.63	-0.22	3.21	<=10.44	Pass
		5310	1.35	0.39	3.77	<=10.44	Pass
802.11ac (VHT80)	MIMO	5210	-2.75	-3.64	-0.33	<=10.44	Pass
		5290	-2.40	-2.90	0.19	<=10.44	Pass

Note1: Antenna Gain: Ant1: 3.25dBi;Ant2: 3.55dBi;
Since the number of transmit antennas is less than 4, Array gain=10*log2= 3.01dB.
Directional gain =Antenna Gain+ Array gain=3.55+3.01=6.56dBi.

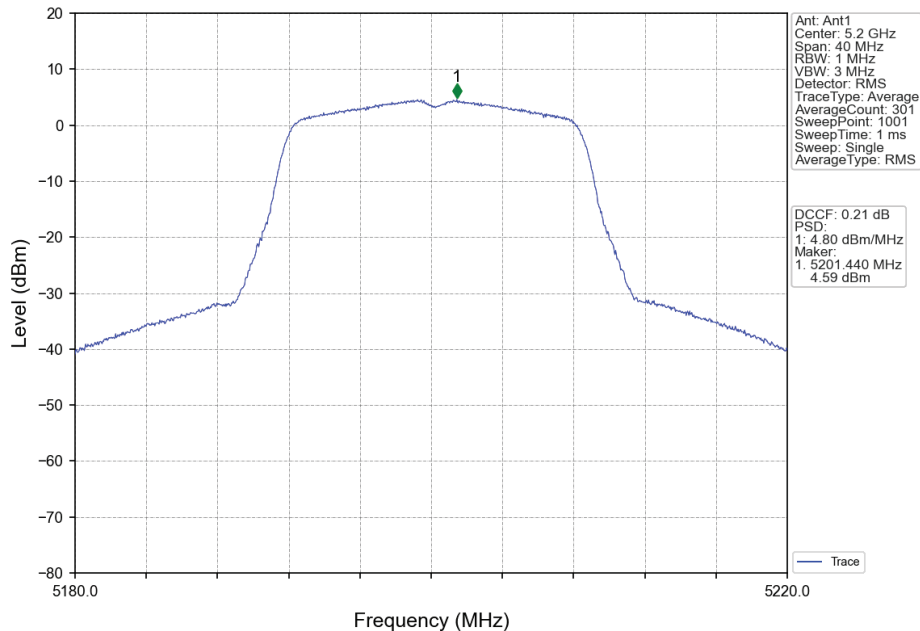
4.1.2 Test Graph



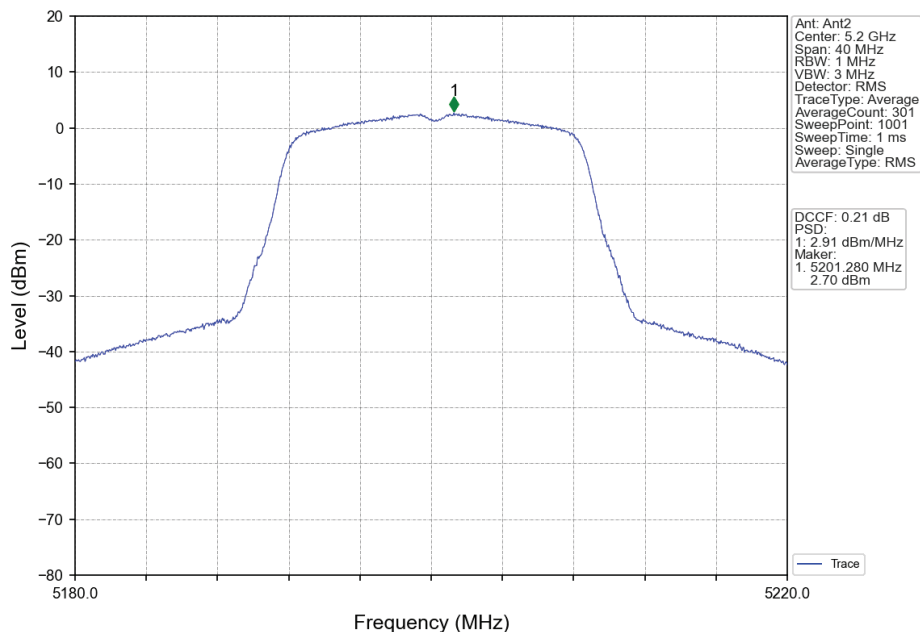
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802.11a_MCH_5200MHz_Ant1_NTNV



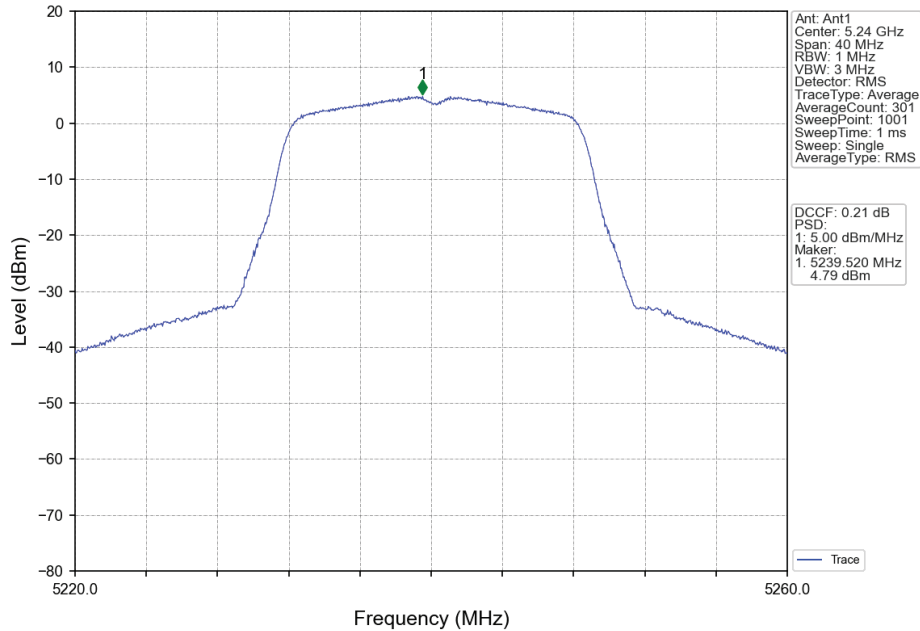
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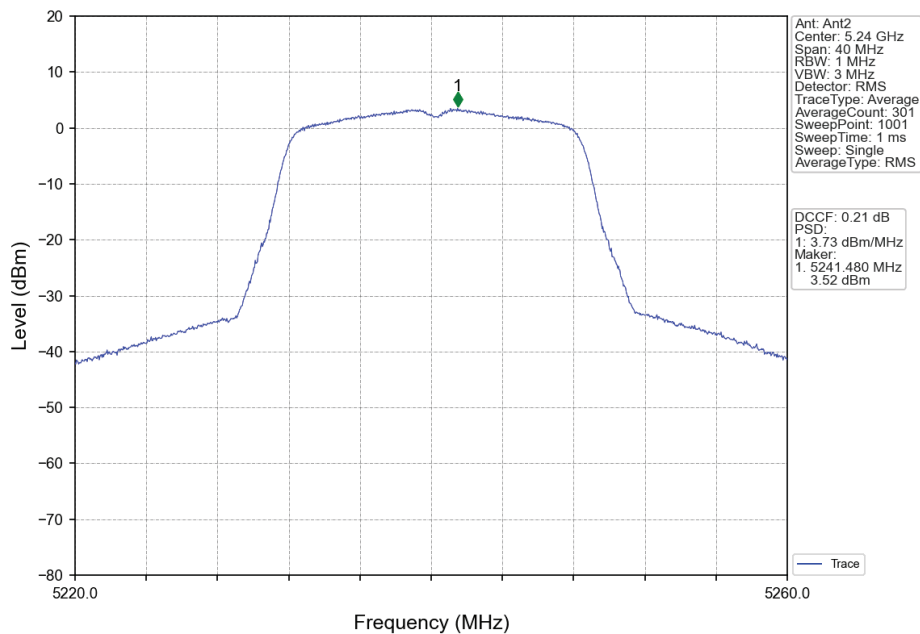
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802.11a_HCH_5240MHz_Ant1_NTNV



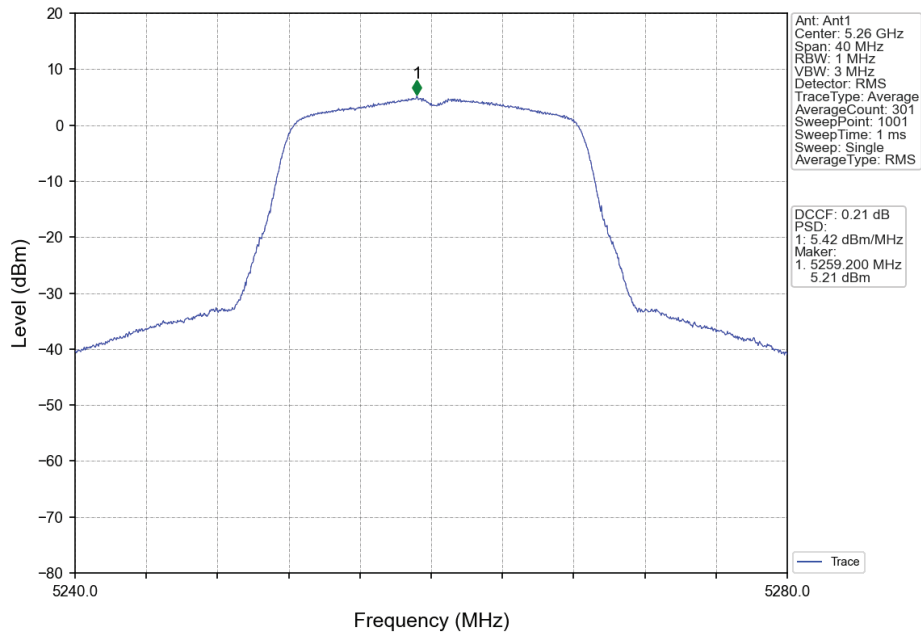
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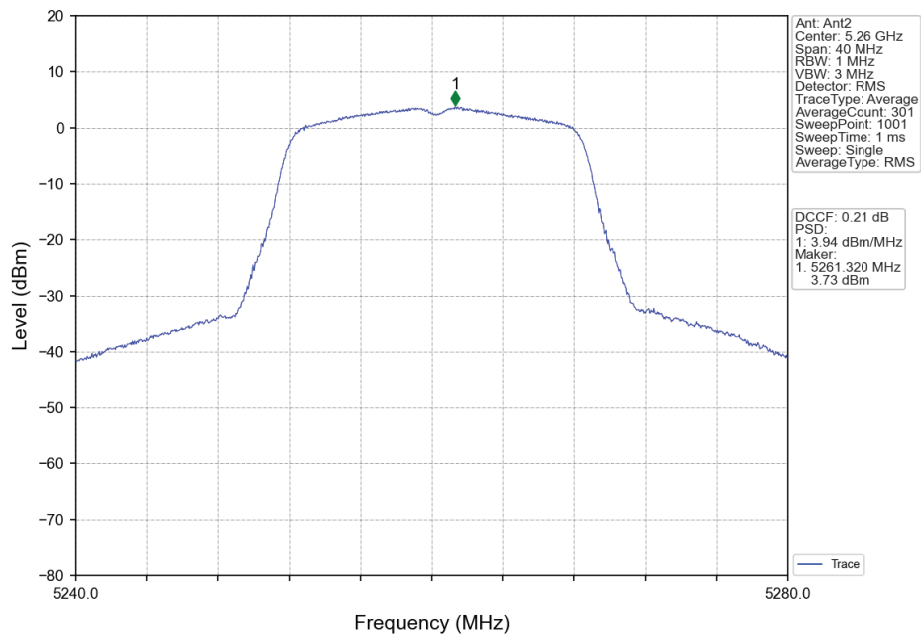
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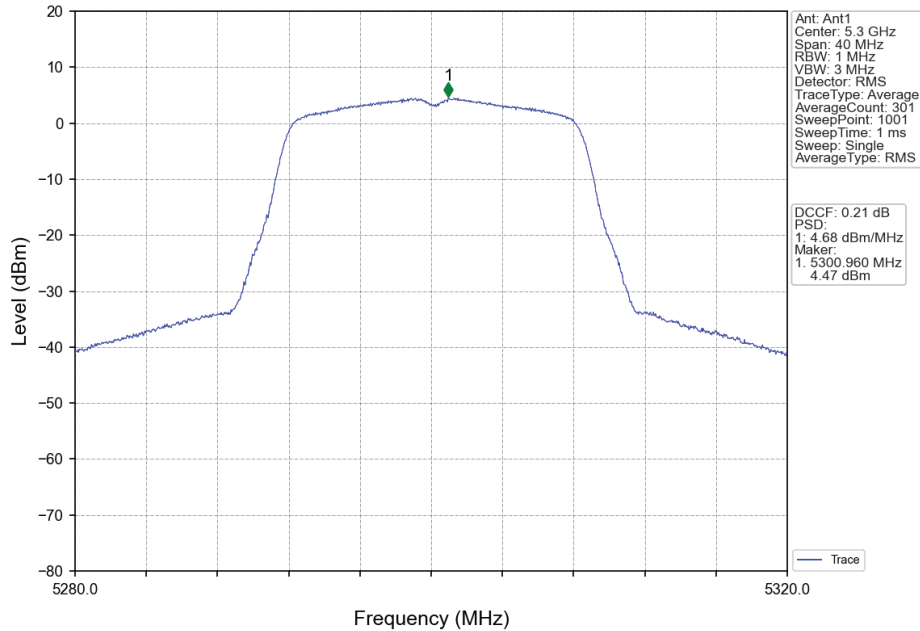
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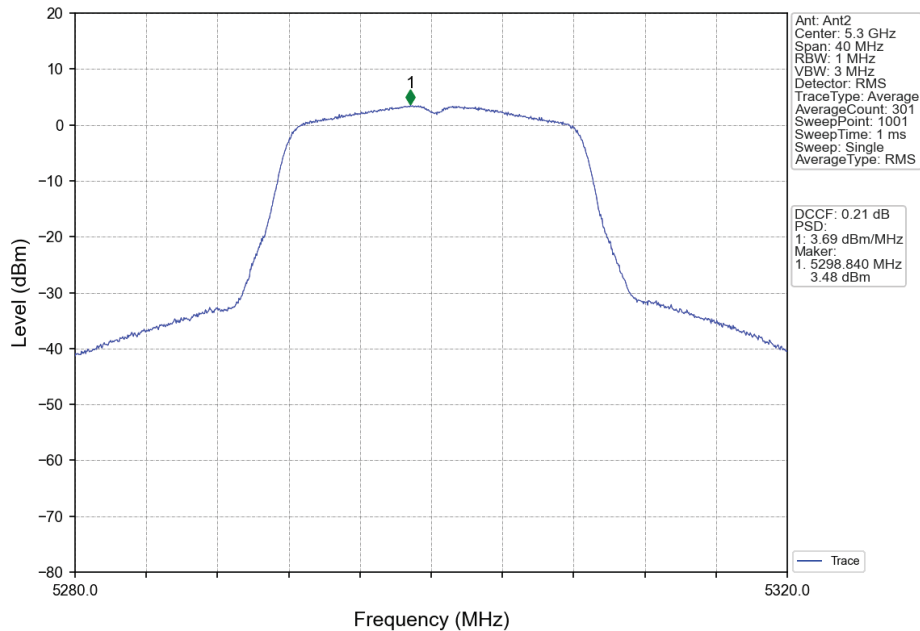
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802.11a_MCH_5300MHz_Ant1_NTNV



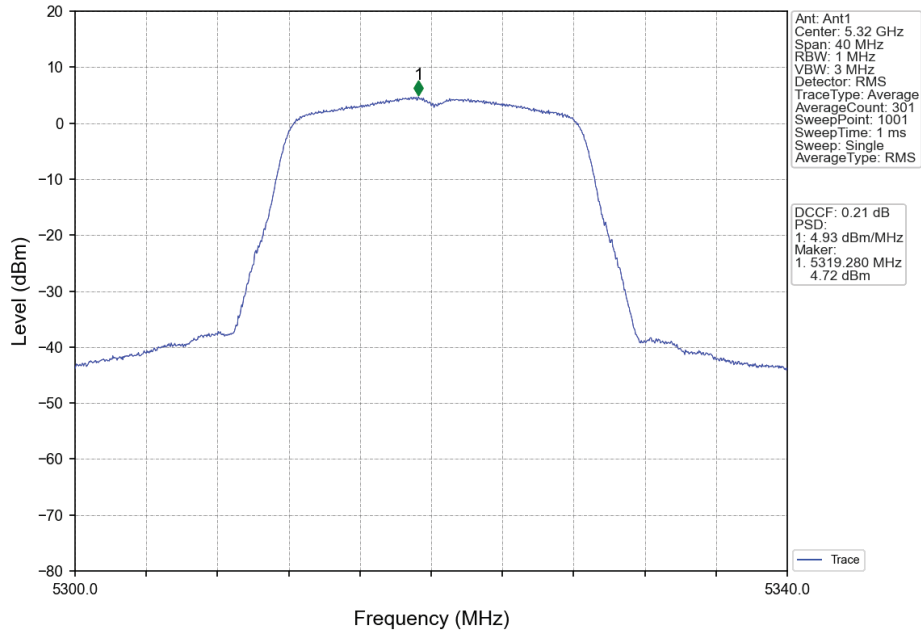
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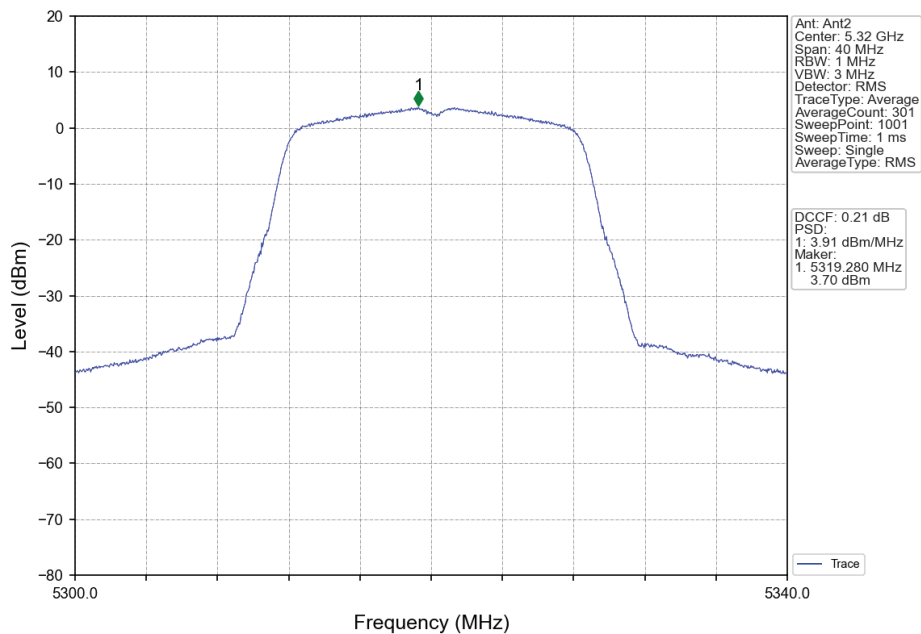
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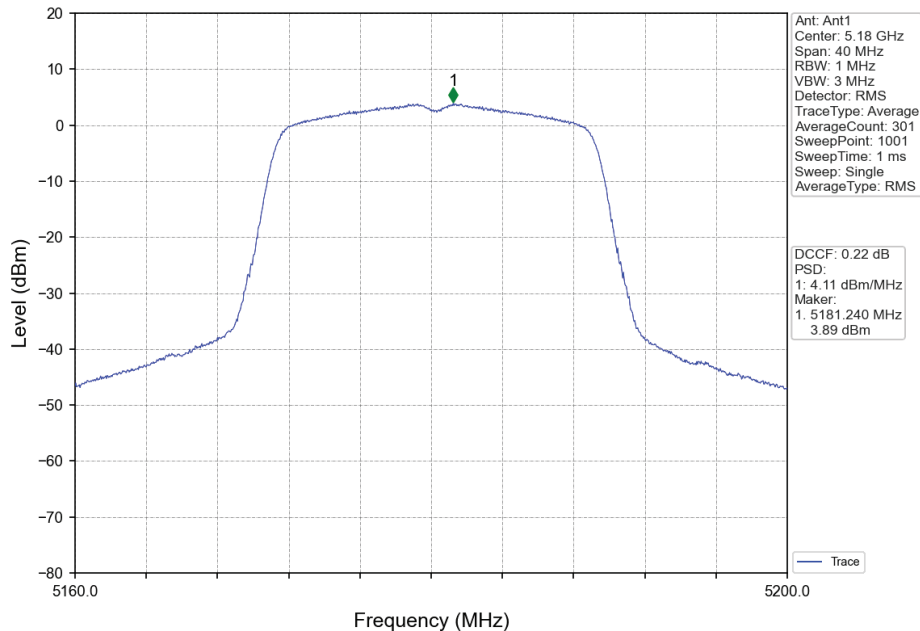
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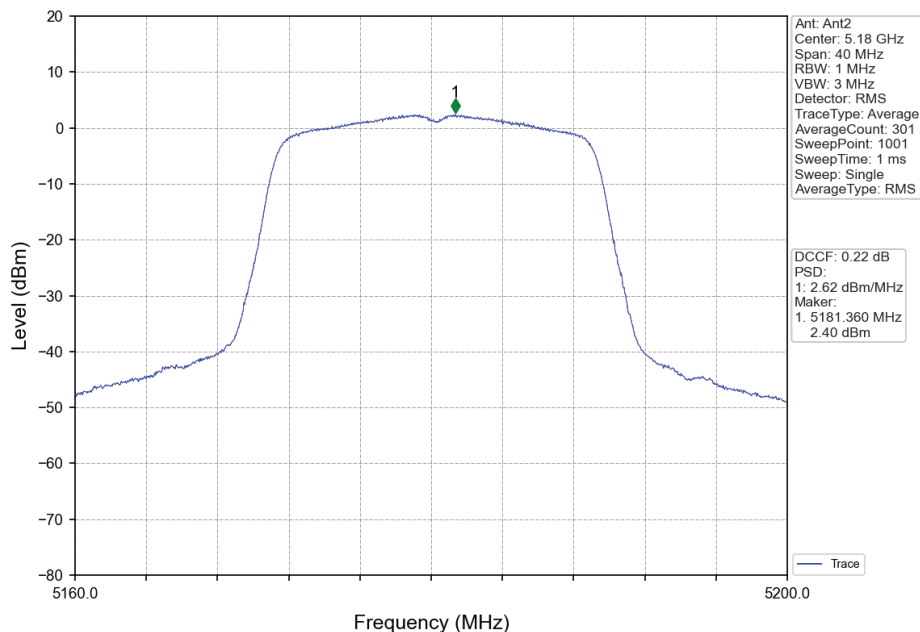
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



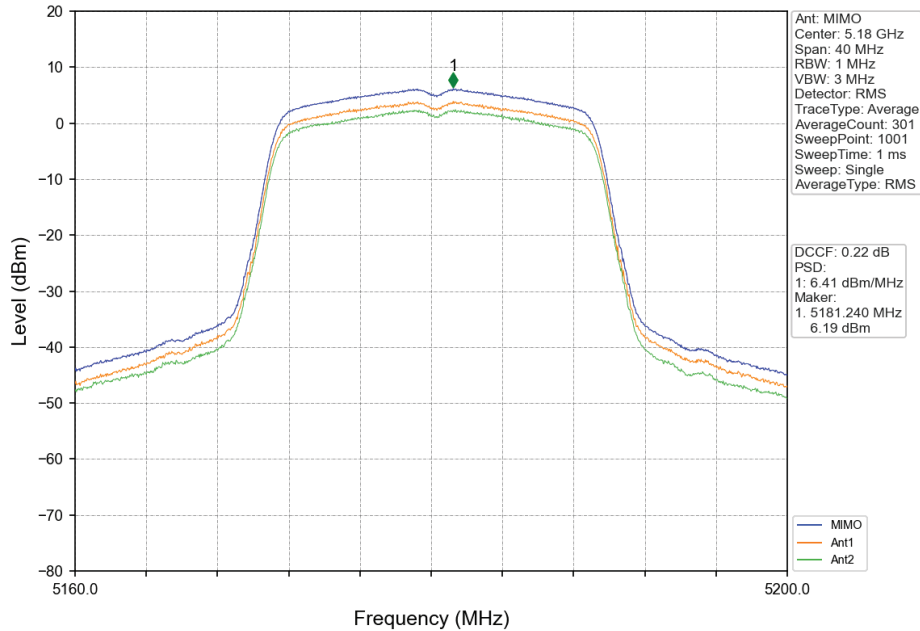
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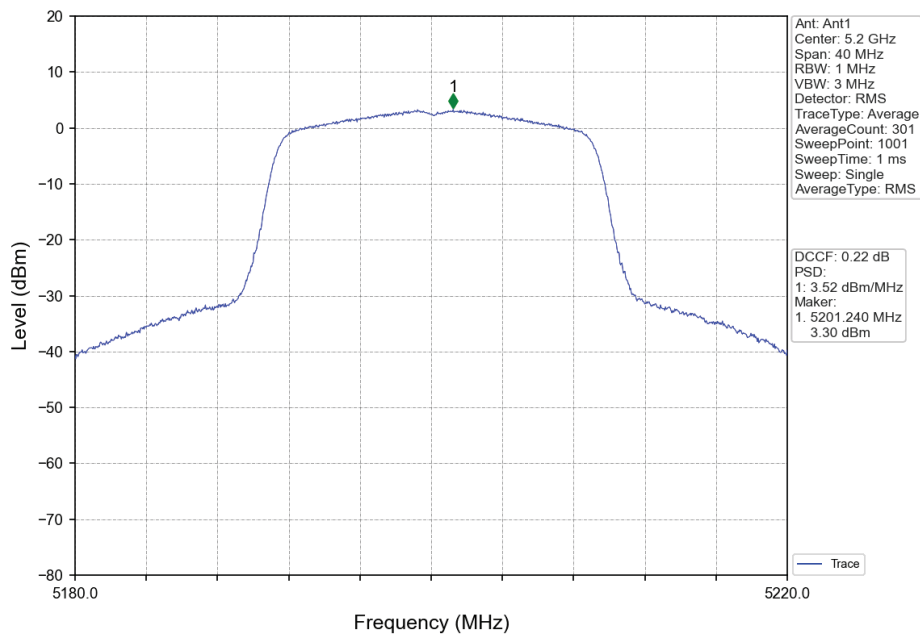
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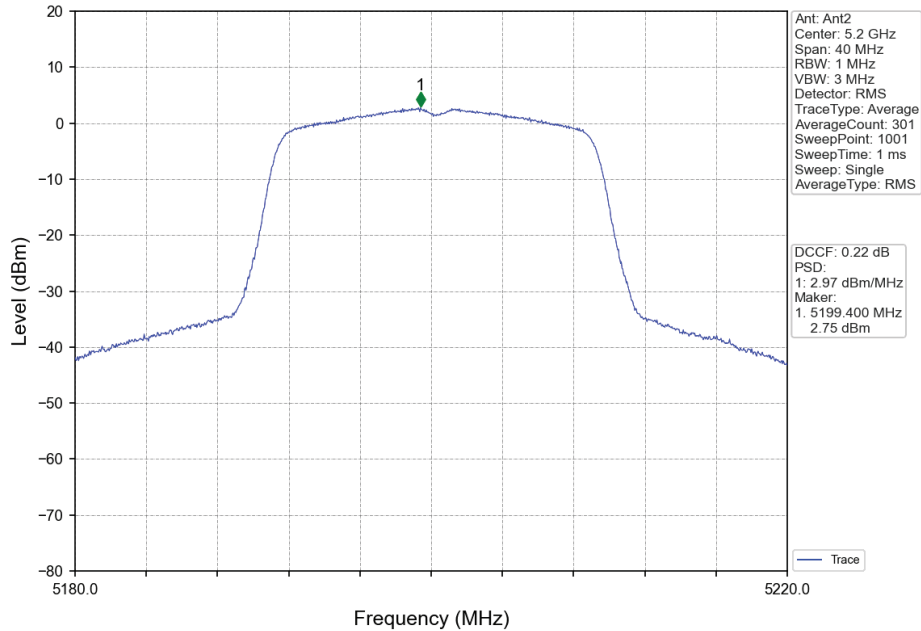
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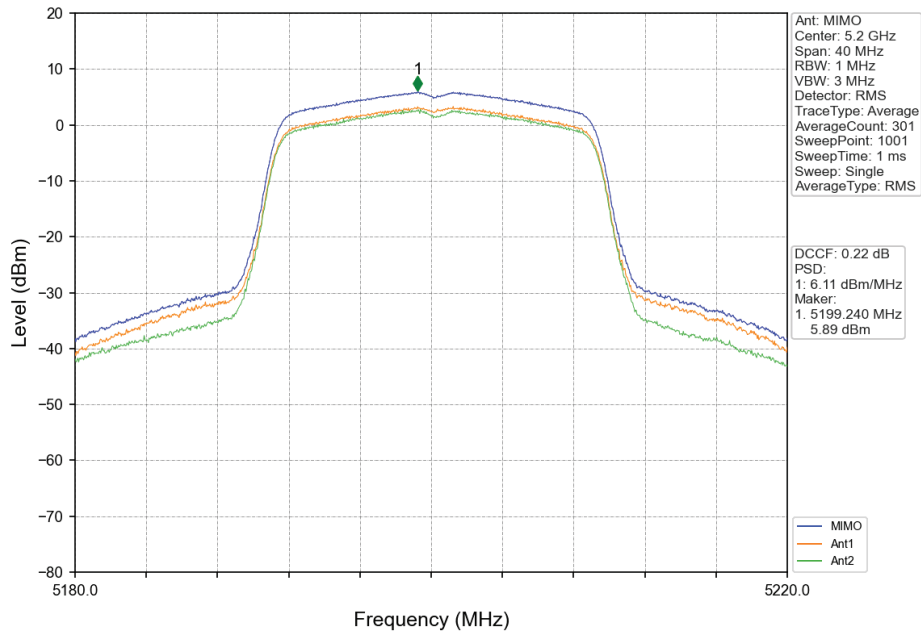
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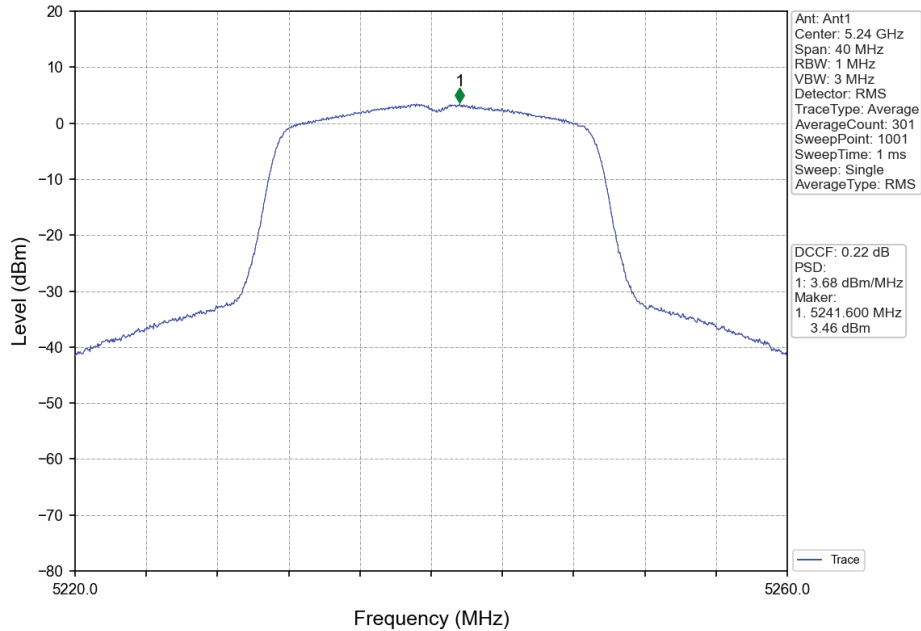
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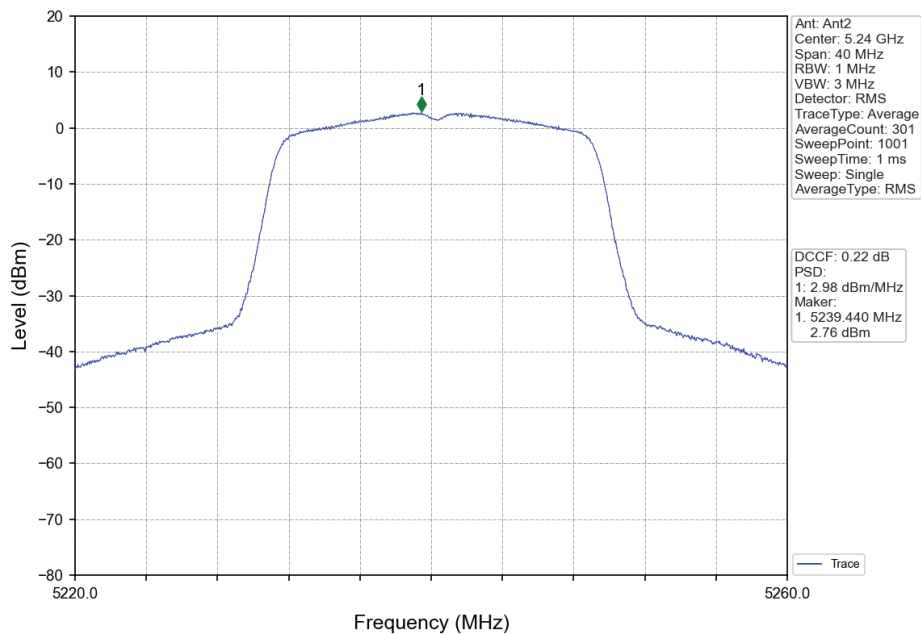
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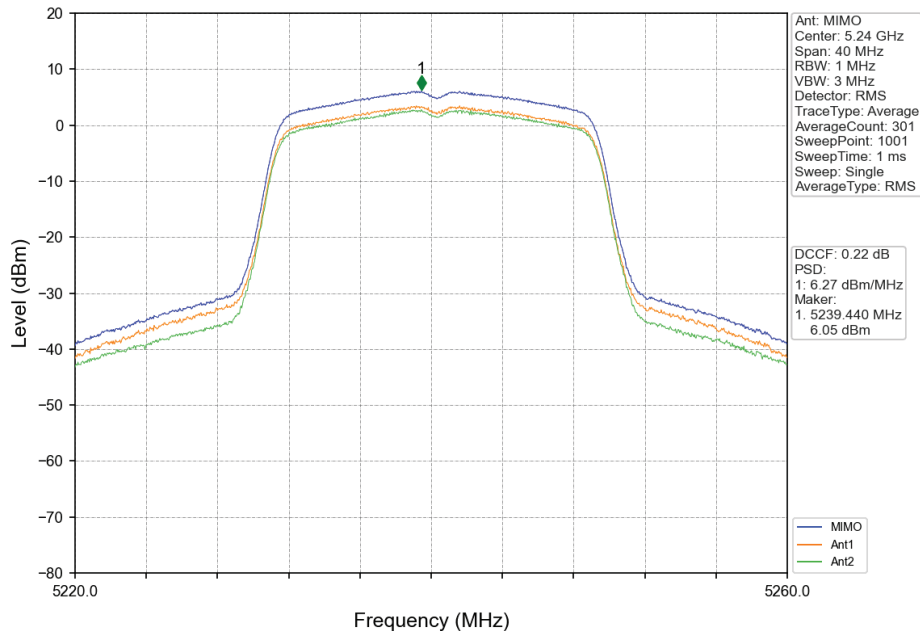
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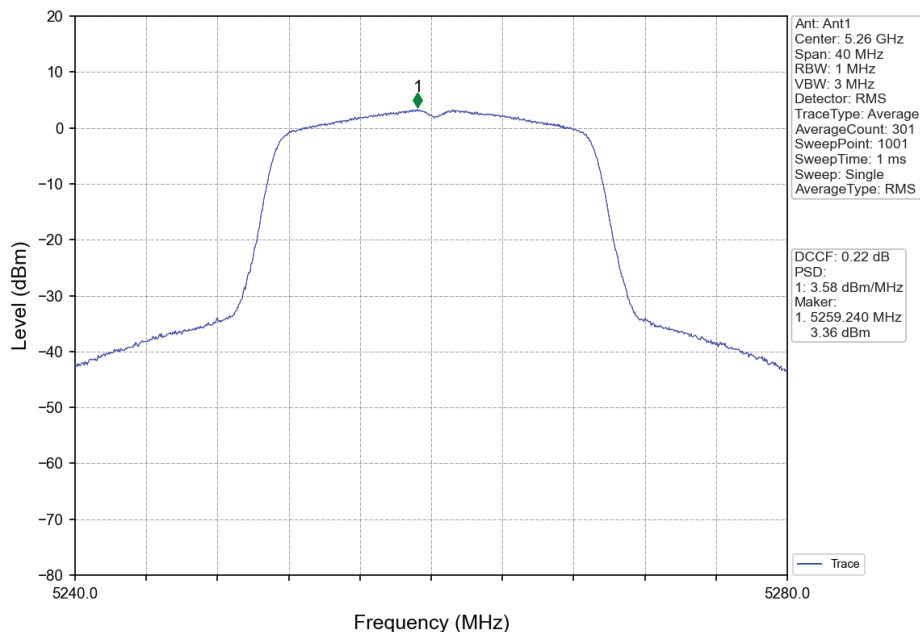
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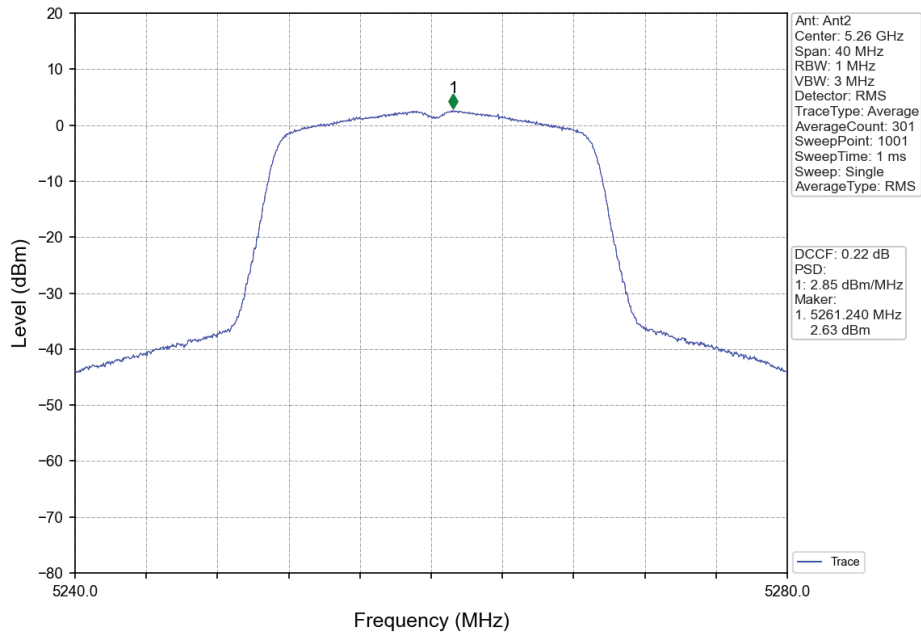
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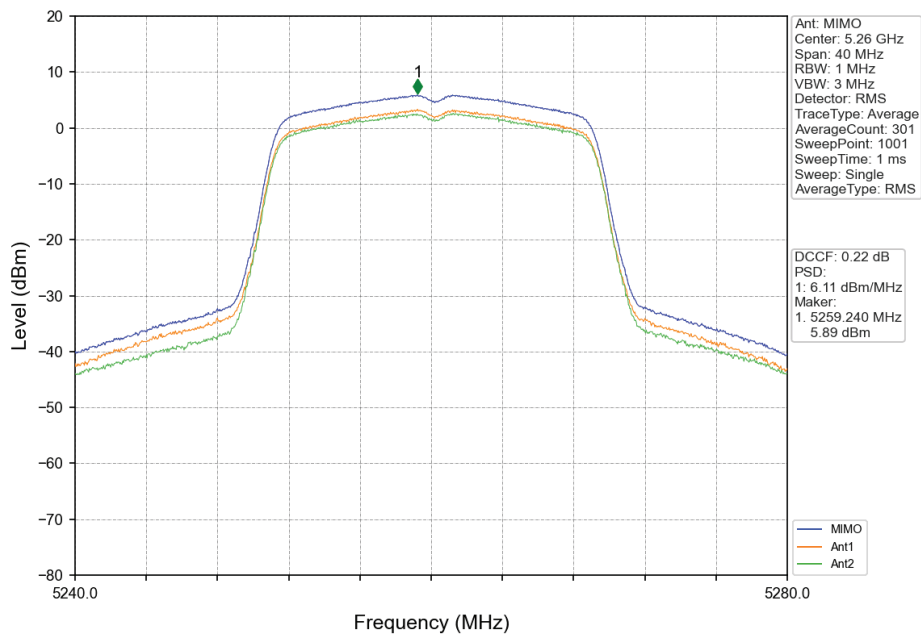
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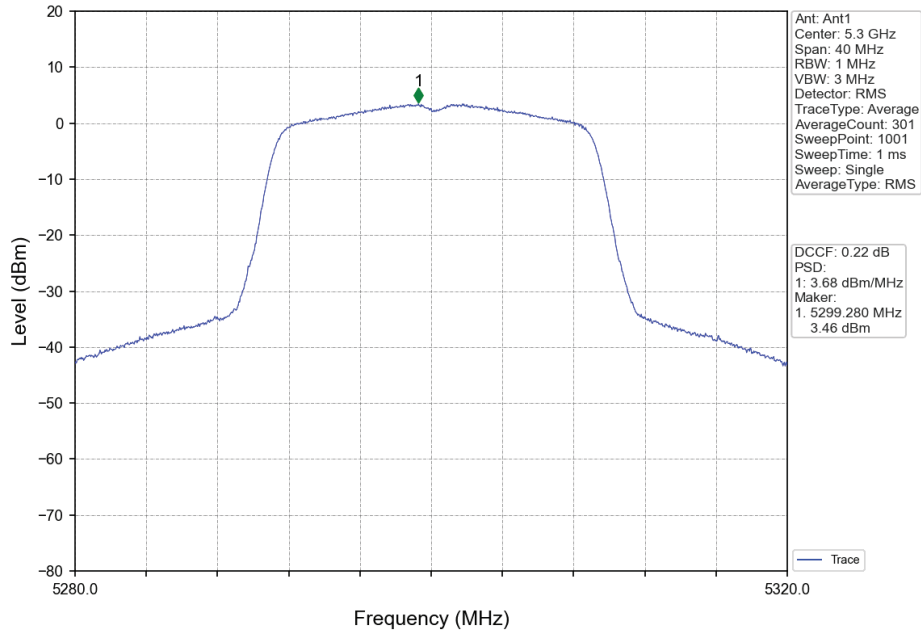
802.11n(HT20)_LCH_5260MHz_Ant2_NTNV



802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant2_NTNV

