

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	21.774	Pass
			2	24.644	Pass
		5200	1	21.758	Pass
			2	24.973	Pass
		5240	1	24.748	Pass
			2	24.880	Pass
		5260	1	21.735	Pass
			2	24.802	Pass
		5300	1	24.841	Pass
			2	24.797	Pass
		5320	1	24.824	Pass
			2	24.857	Pass
		5500	1	21.689	Pass
			2	24.800	Pass
		5580	1	24.790	Pass
			2	24.592	Pass
5700	1	1	24.698	Pass	
		2	24.813	Pass	
	2	1 (U-NII-2C)	15.8335	Pass	
		1 (U-NII-3)	5.8335	Pass	
5720	2 (U-NII-2C)	15.825	Pass		
	2 (U-NII-3)	5.825	Pass		
802.11n (HT20)	MIMO	5180	1	22.290	Pass
			2	22.186	Pass
		5200	1	22.307	Pass
			2	22.009	Pass
		5240	1	22.336	Pass
			2	22.094	Pass
		5260	1	22.188	Pass
			2	22.233	Pass
		5300	1	22.347	Pass
			2	22.200	Pass
		5320	1	21.960	Pass
			2	22.126	Pass
		5500	1	22.019	Pass
			2	21.927	Pass
		5580	1	22.229	Pass
			2	22.141	Pass
5700	1	22.196	Pass		
	2	21.984	Pass		
5720	1 (U-NII-2C)	1	16.131	Pass	
		1 (U-NII-3)	6.131	Pass	
	2 (U-NII-2C)	1	15.961	Pass	
		2 (U-NII-3)	5.961	Pass	
802.11n	MIMO	5190	1	44.518	Pass

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(HT40)		5230	2	44.631	Pass
			1	44.590	Pass
		5270	2	44.456	Pass
			1	44.590	Pass
		5310	2	44.490	Pass
			1	44.624	Pass
		5510	2	44.263	Pass
			1	44.458	Pass
		5550	2	44.638	Pass
			1	44.596	Pass
		5670	2	44.626	Pass
			1	44.467	Pass
		5710	2	44.032	Pass
			1 (U-NII-2C)	37.156	Pass
1 (U-NII-3)	7.156		Pass		
2 (U-NII-2C)	37.0795		Pass		
		2 (U-NII-3)	7.0795	Pass	
802.11ac (VHT20)	MIMO	5180	1	22.134	Pass
			2	22.046	Pass
		5200	1	22.187	Pass
			2	22.141	Pass
		5240	1	22.330	Pass
			2	22.143	Pass
		5260	1	22.150	Pass
			2	21.351	Pass
		5300	1	22.181	Pass
			2	22.042	Pass
		5320	1	22.080	Pass
			2	22.229	Pass
		5500	1	22.136	Pass
			2	21.949	Pass
		5580	1	22.195	Pass
			2	22.047	Pass
		5700	1	22.244	Pass
			2	22.010	Pass
		5720	1 (U-NII-2C)	16.1415	Pass
			1 (U-NII-3)	6.1415	Pass
2 (U-NII-2C)	16.0495		Pass		
2 (U-NII-3)	6.0495		Pass		
802.11ac (VHT40)	MIMO	5190	1	44.268	Pass
			2	44.346	Pass
		5230	1	44.414	Pass
			2	44.396	Pass
		5270	1	44.342	Pass
			2	44.562	Pass
		5310	1	44.539	Pass
			2	44.344	Pass
		5510	1	44.501	Pass
			2	44.387	Pass
		5550	1	44.630	Pass
			2	43.928	Pass
5670	1	44.008	Pass		

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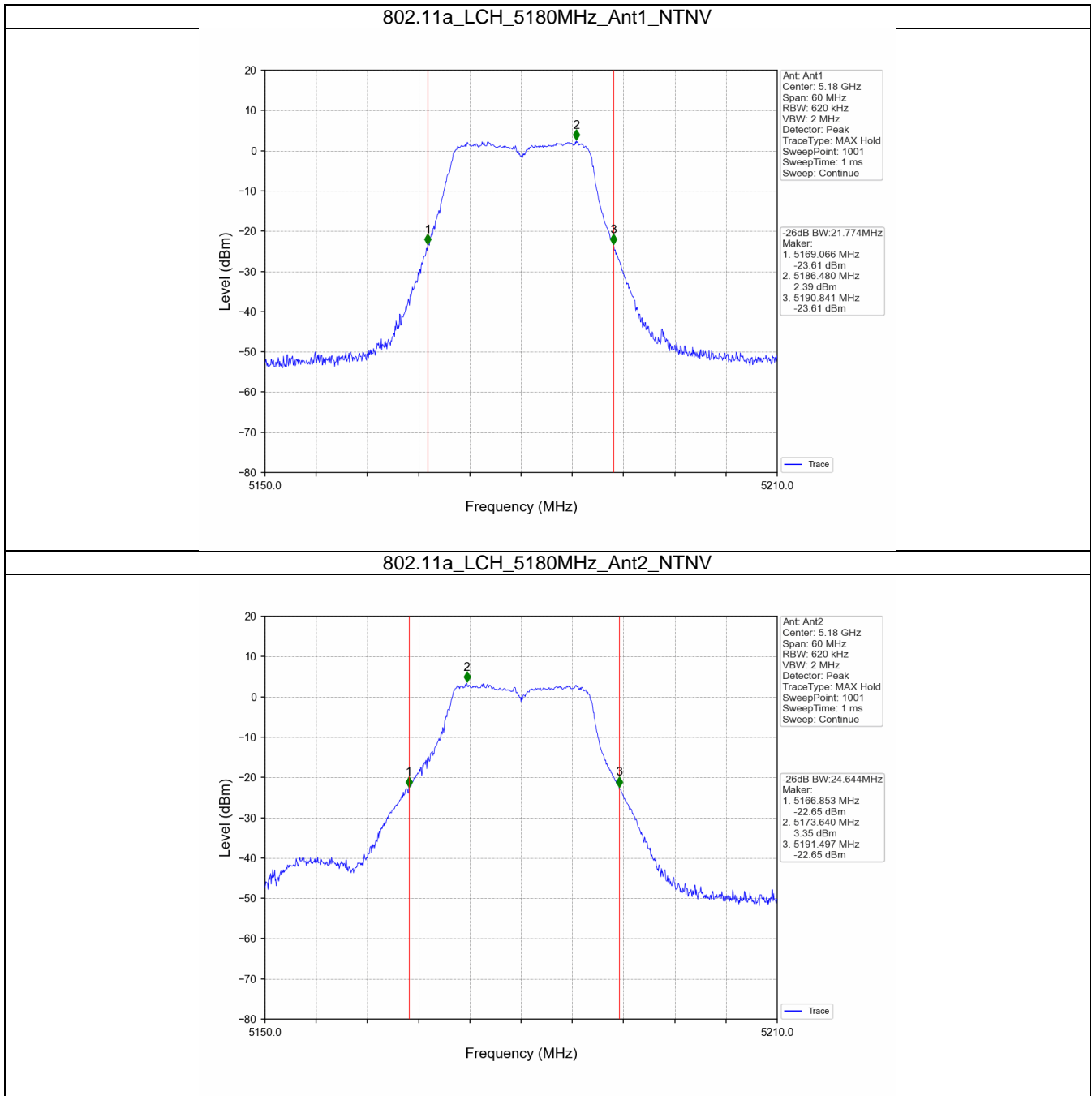
		5710	2	44.255	Pass
			1 (U-NII-2C)	37.210	Pass
			1 (U-NII-3)	7.210	Pass
			2 (U-NII-2C)	37.065	Pass
			2 (U-NII-3)	7.065	Pass
802.11ac (VHT80)	MIMO	5210	1	83.207	Pass
			2	83.506	Pass
		5290	1	83.709	Pass
			2	83.778	Pass
		5530	1	83.539	Pass
			2	83.835	Pass
		5610	1	83.674	Pass
			2	83.880	Pass
		5690	1 (U-NII-2C)	76.9725	Pass
			1 (U-NII-3)	6.9725	Pass
			2 (U-NII-2C)	76.8235	Pass
			2 (U-NII-3)	6.8235	Pass

Remark: For frequencies falling in U-NII-2C and U-NII-3,
the 26dB BW falling in U-NII-2C: 26dB BW/2 + (5725 - Test Frequency);
the 26dB BW falling in U-NII-3: 26dB BW/2 - (5725 - Test Frequency).



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2.3.2 Test Graph

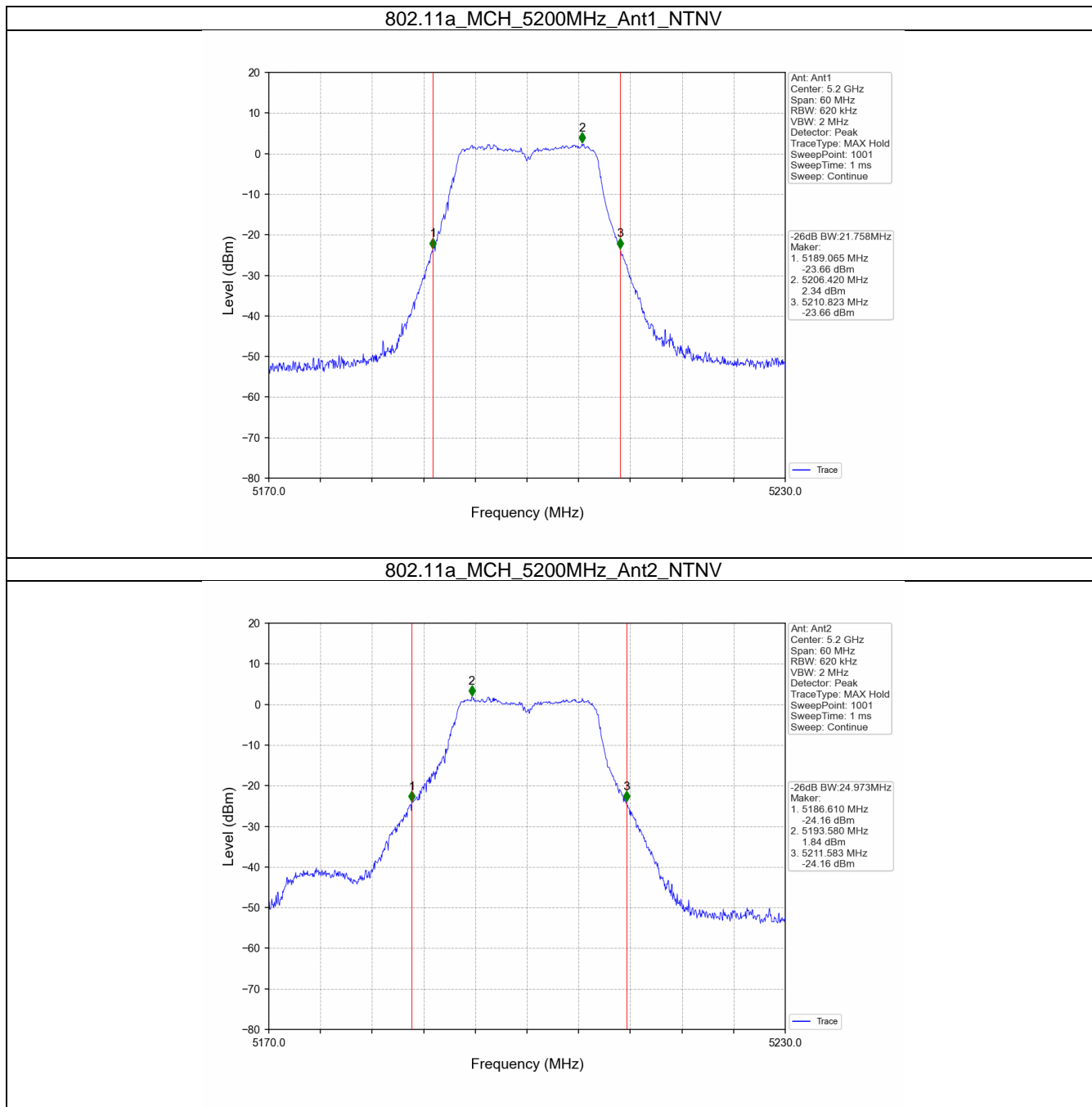


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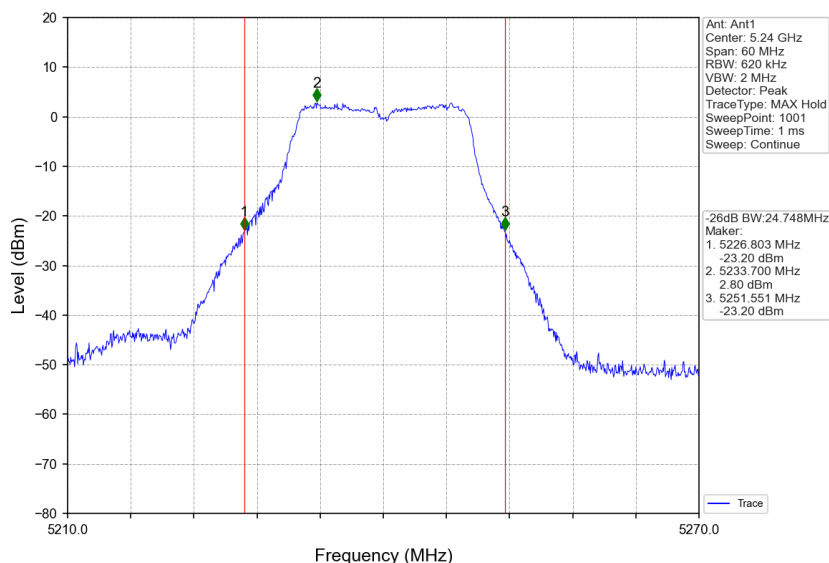
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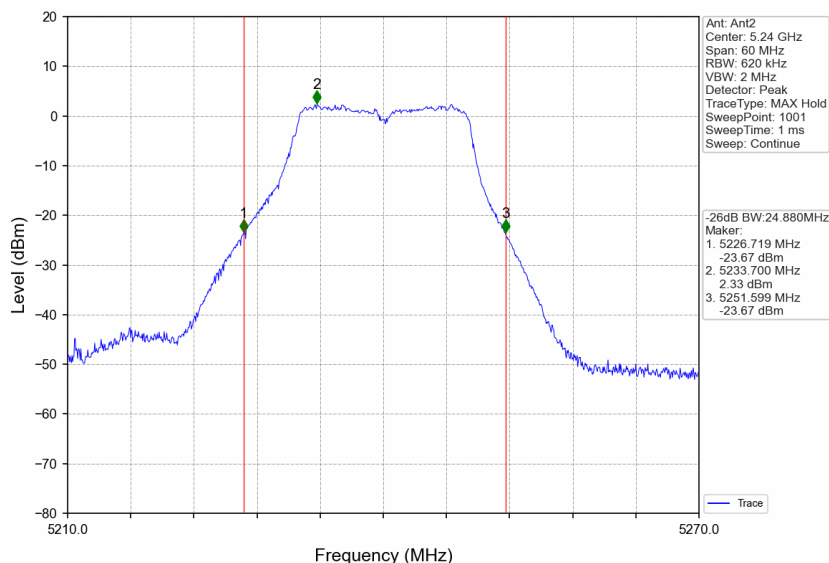
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



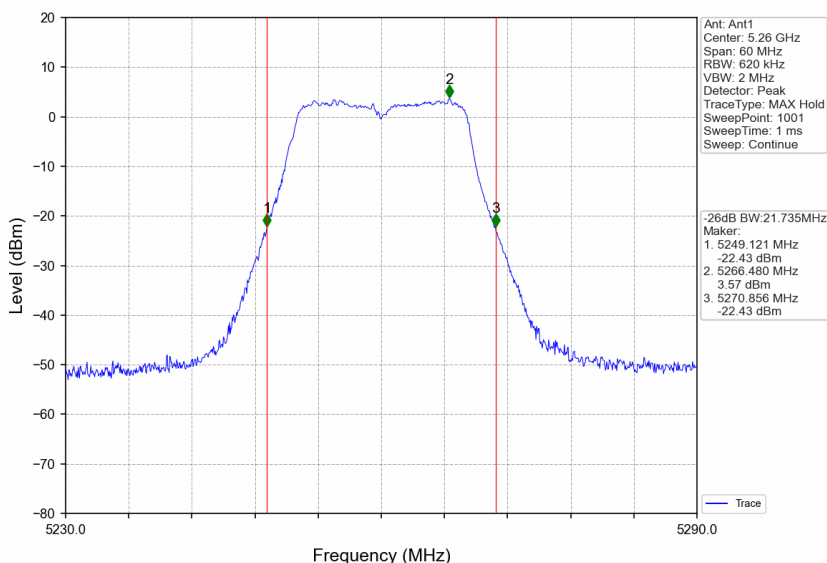
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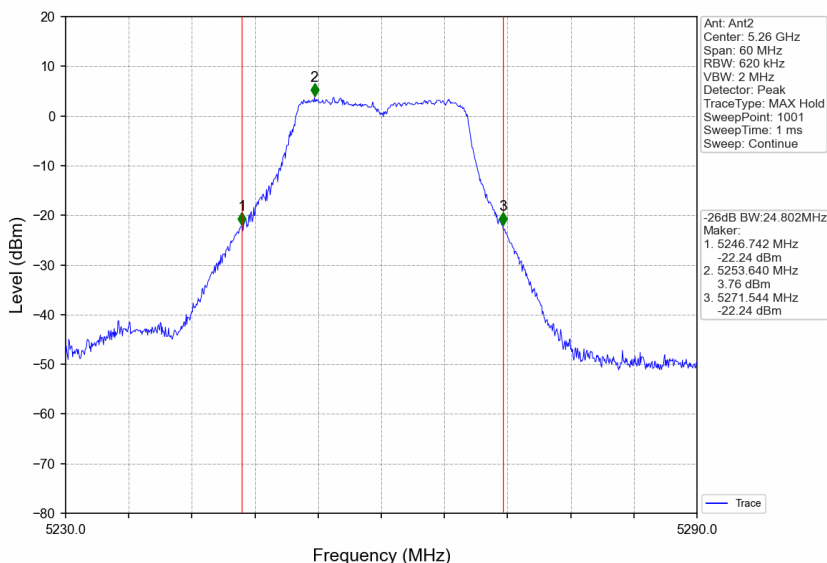
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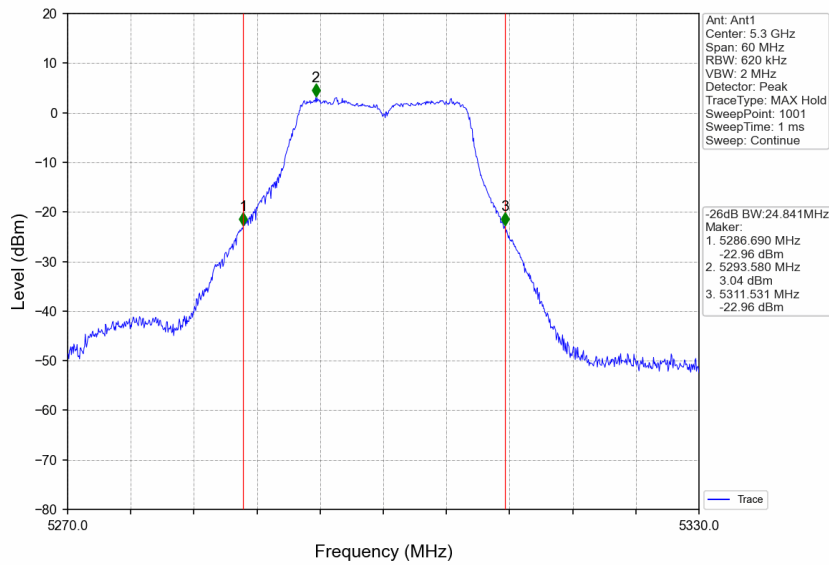
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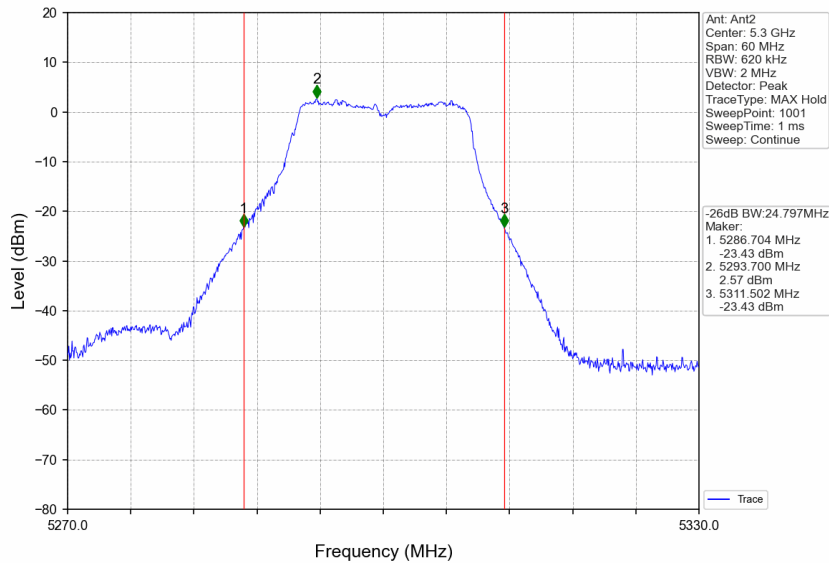
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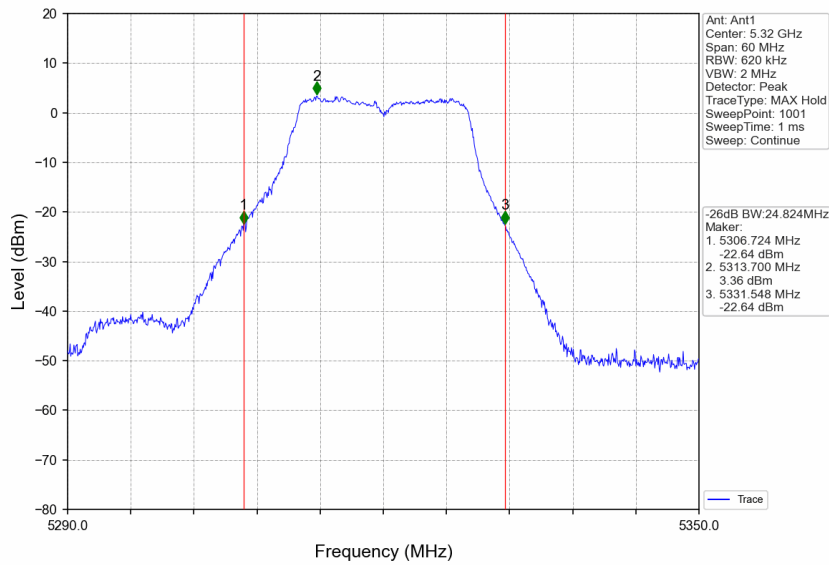
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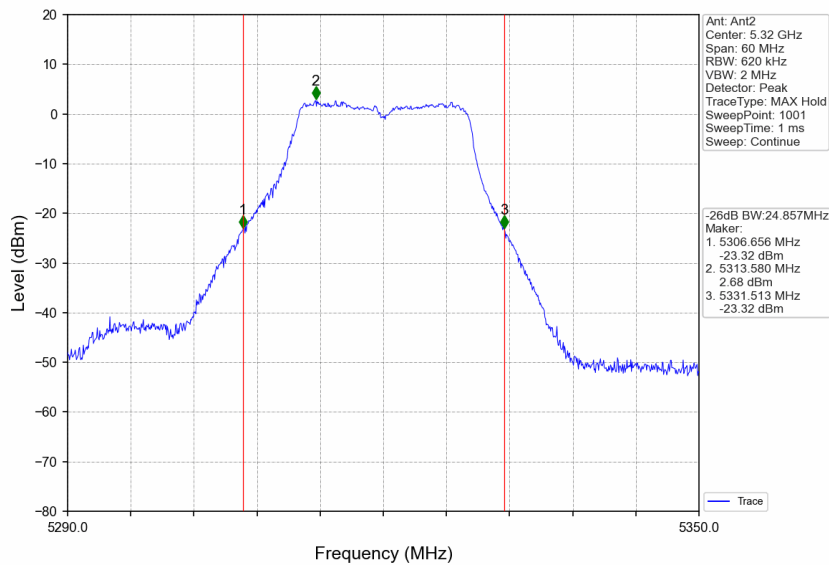
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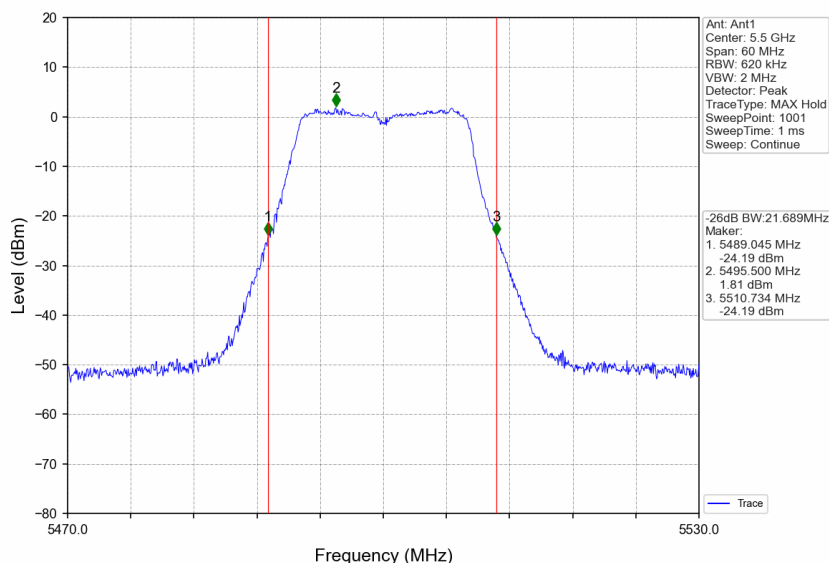
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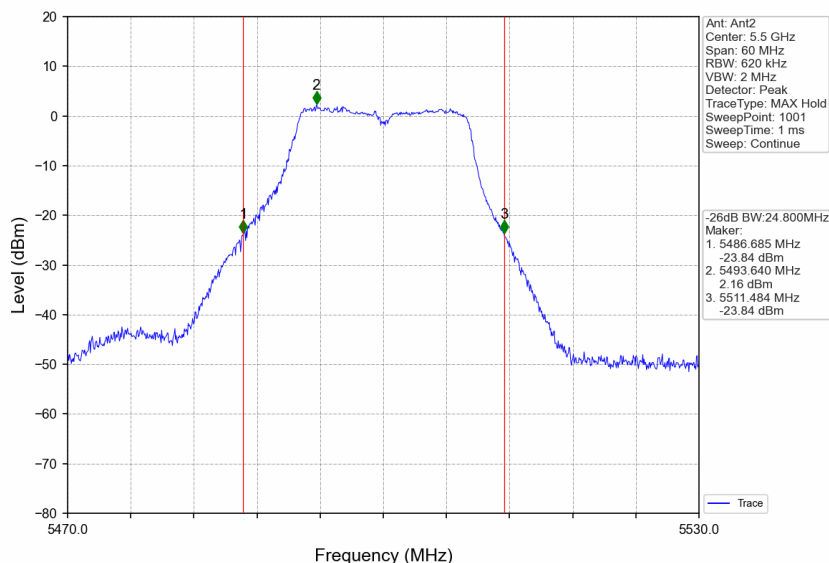
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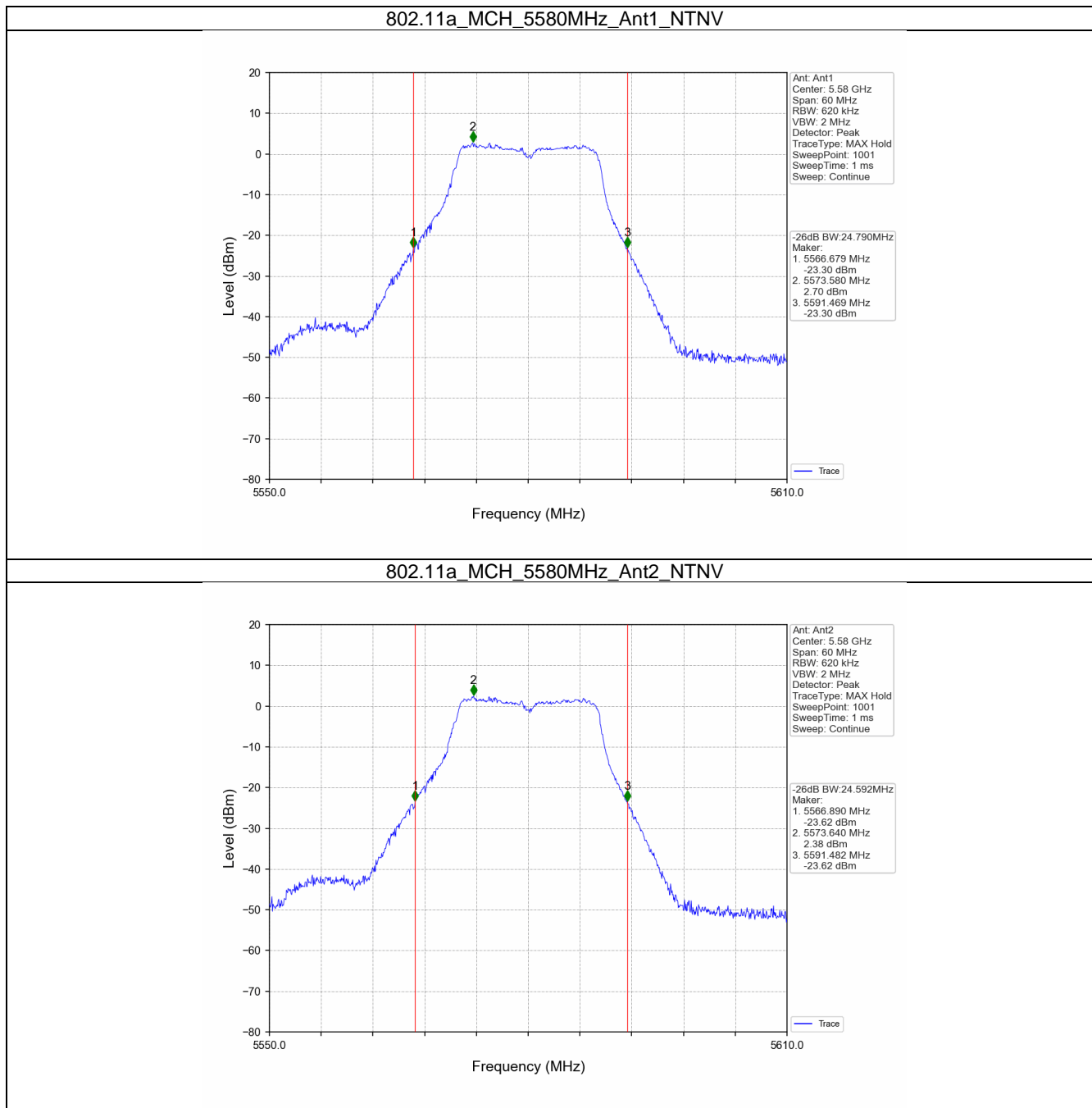


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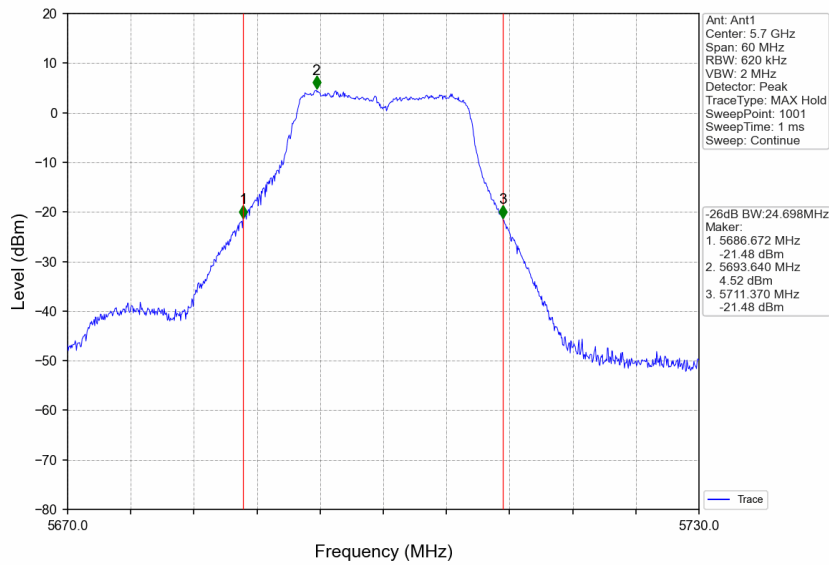
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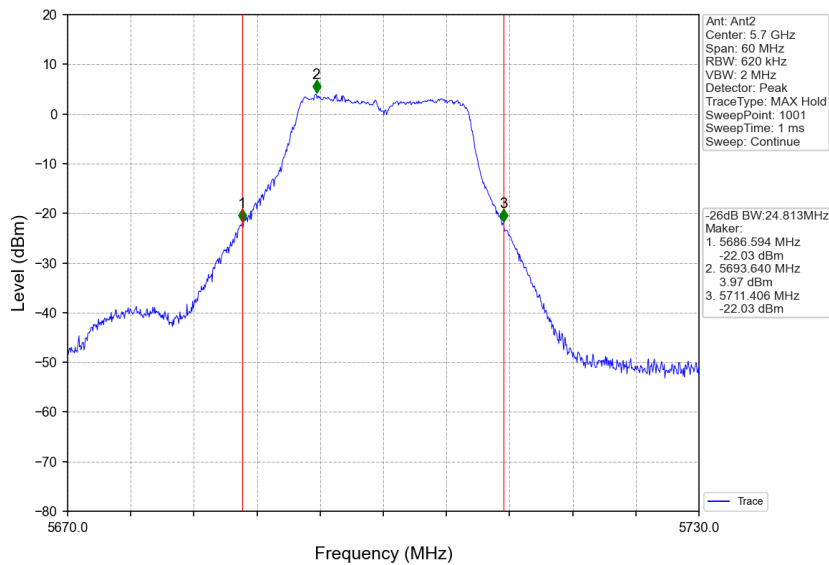
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV



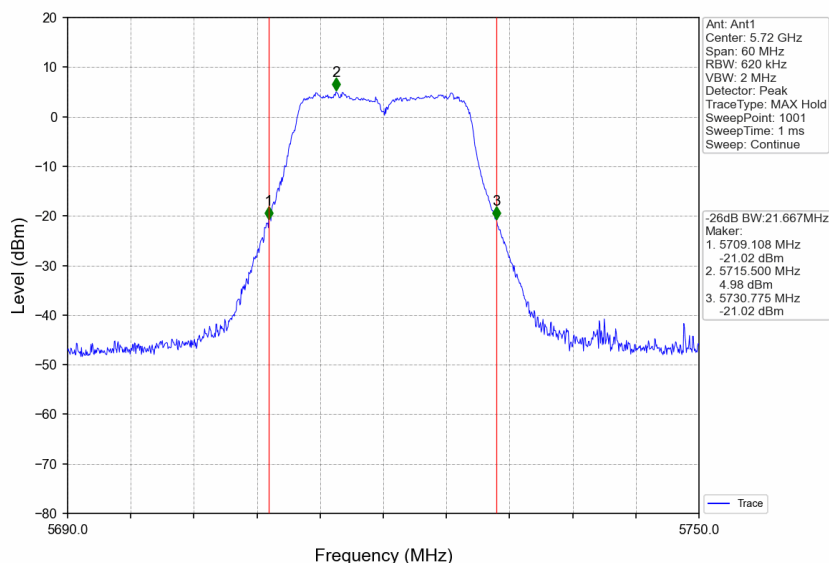
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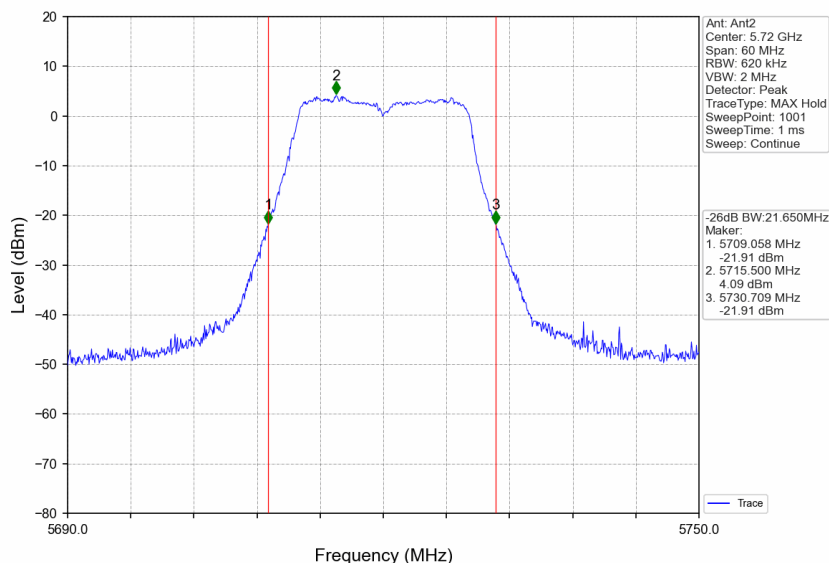
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802.11a_HCH_5720MHz_Ant1_NTNV



802.11a_HCH_5720MHz_Ant2_NTNV



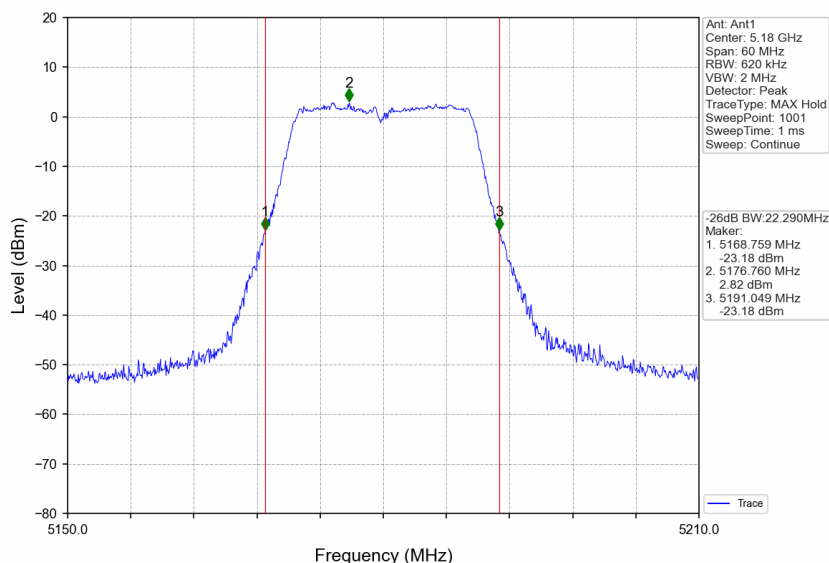
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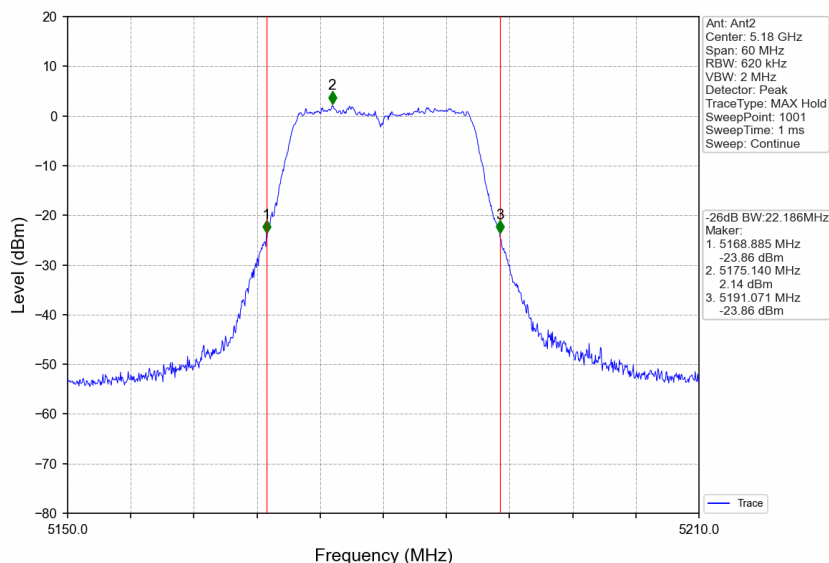
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



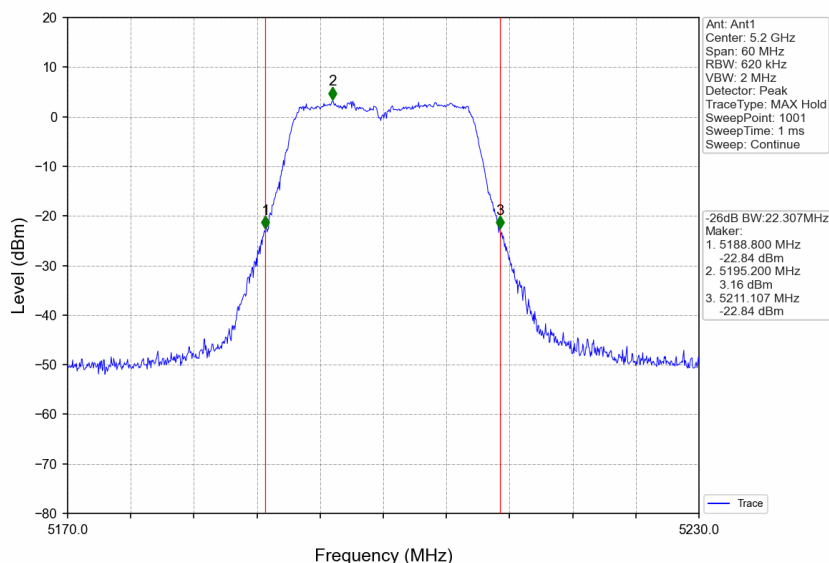
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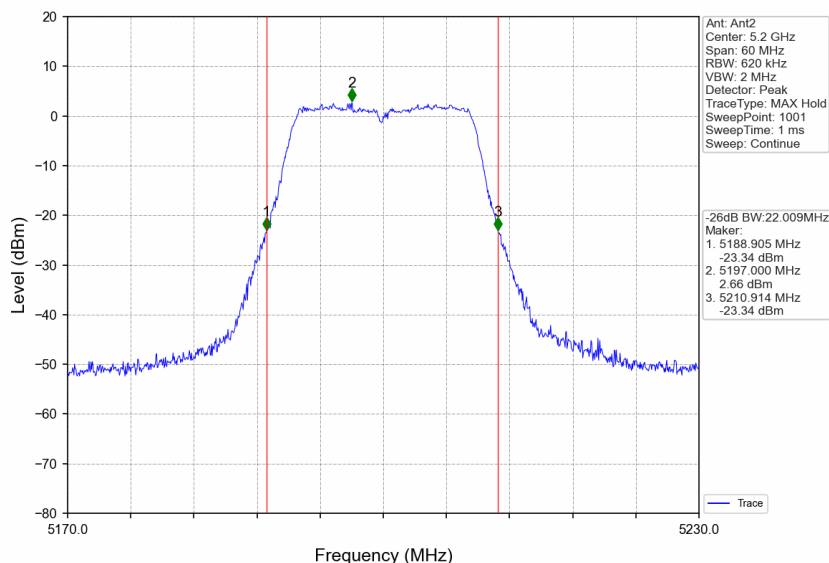
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



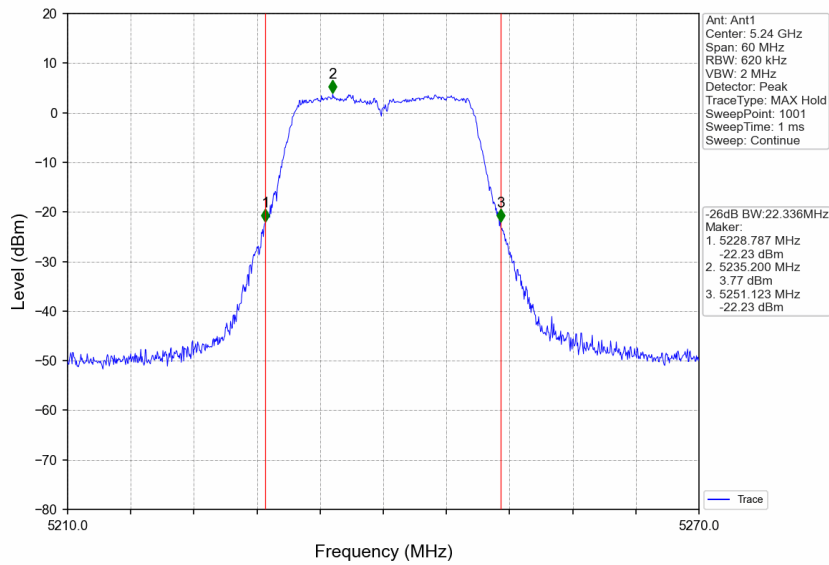
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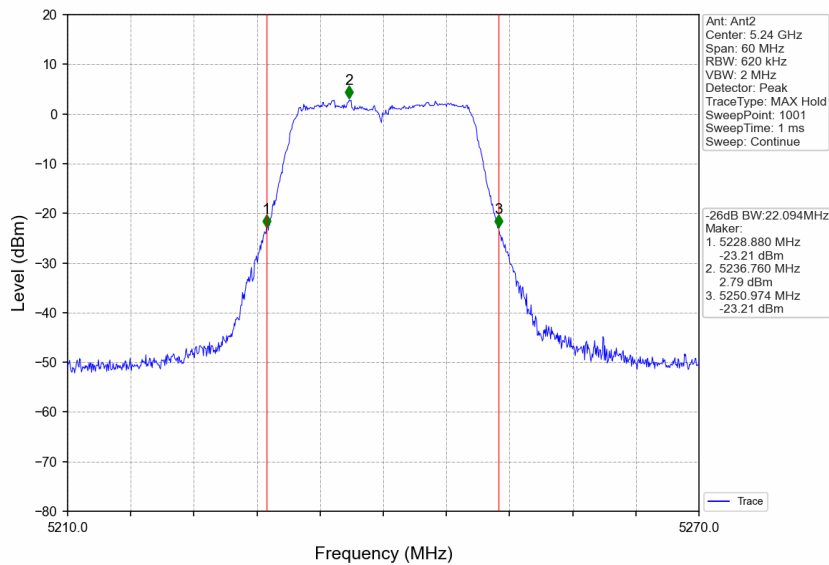
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

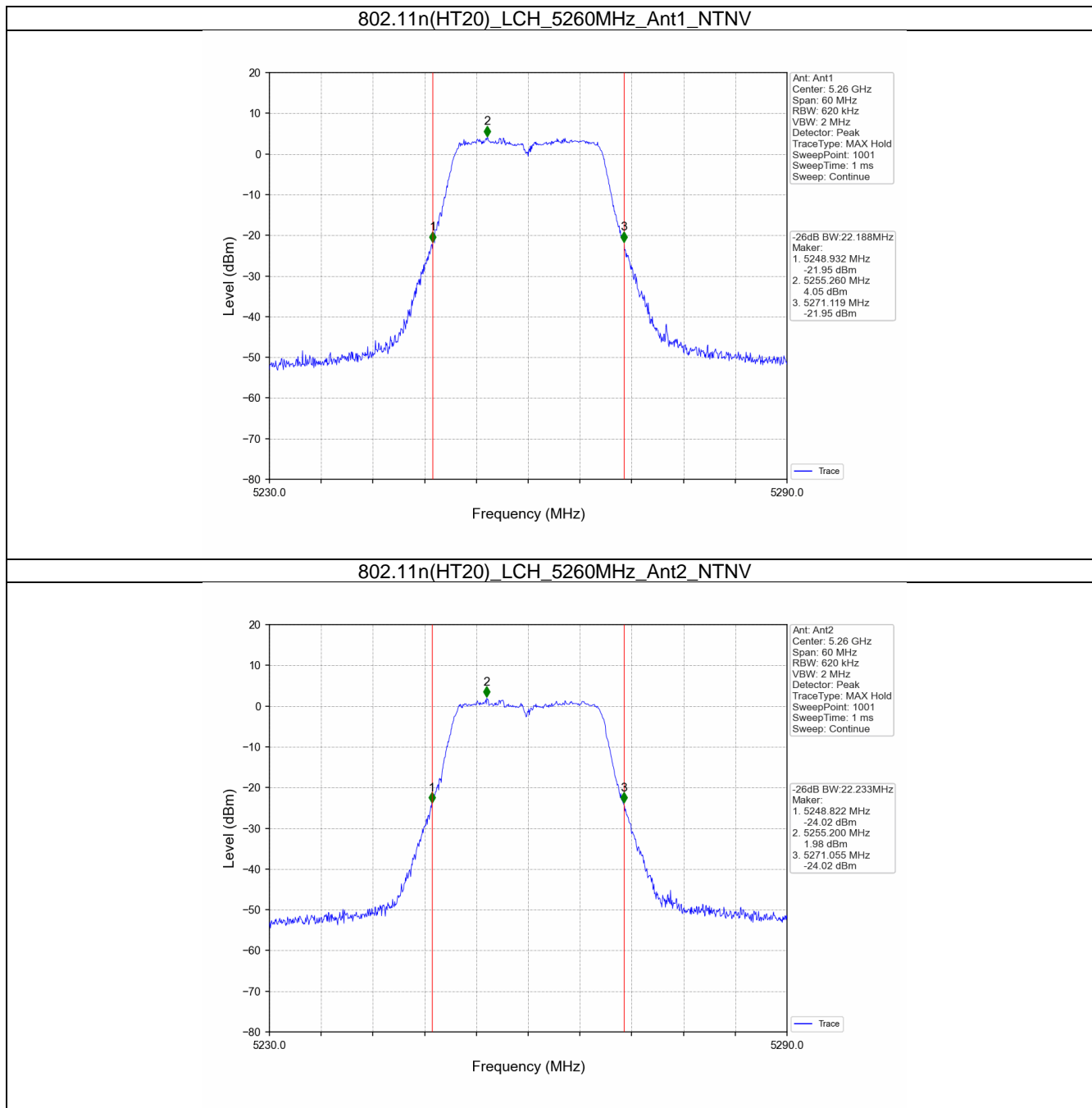


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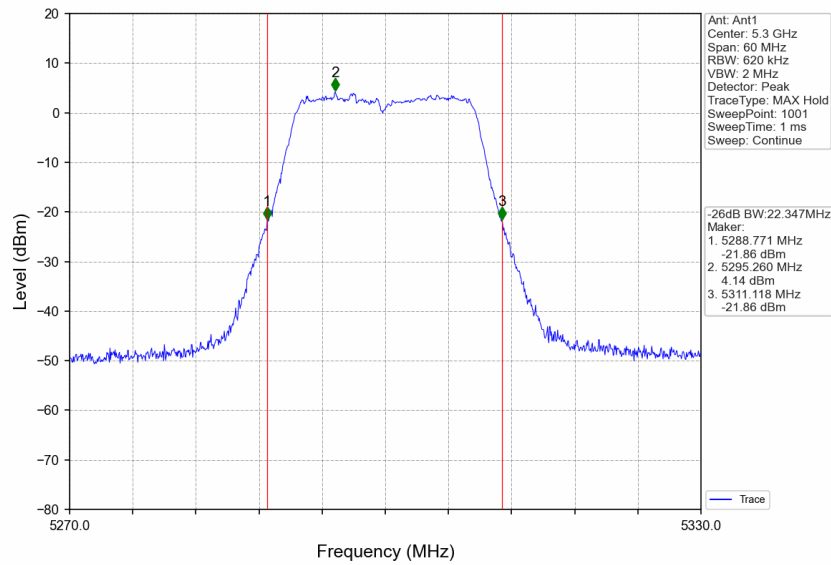
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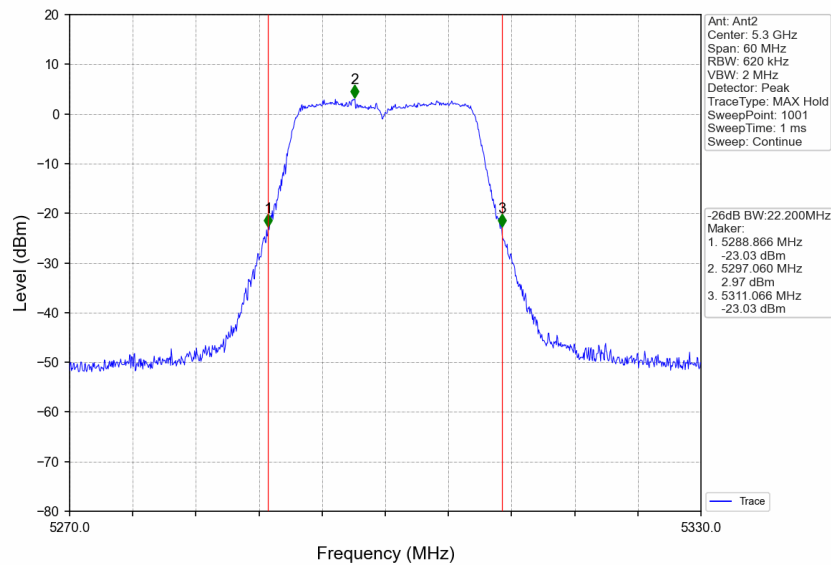
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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant2_NTNV



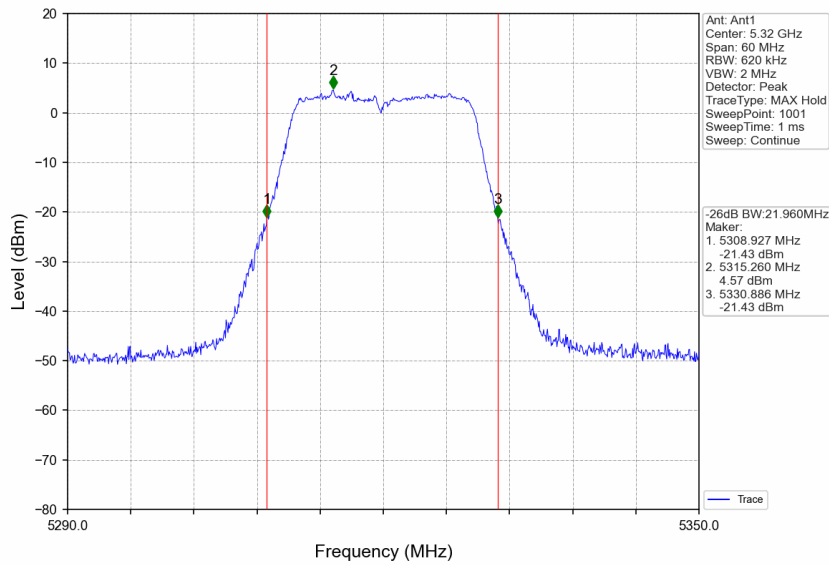
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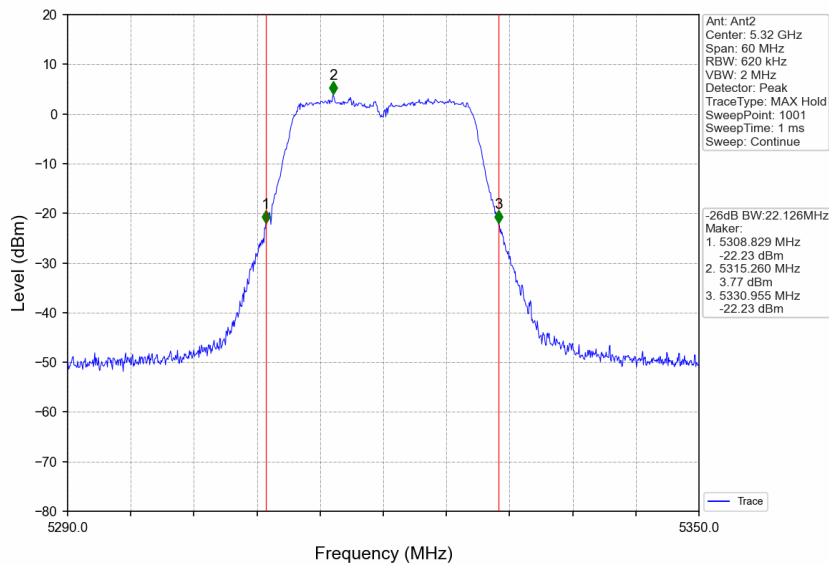
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_HCH_5320MHz_Ant2_NTNV



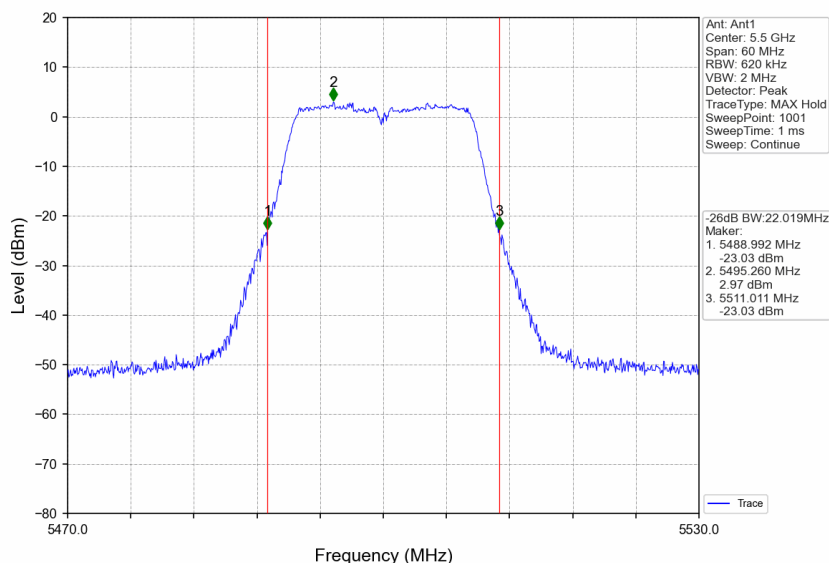
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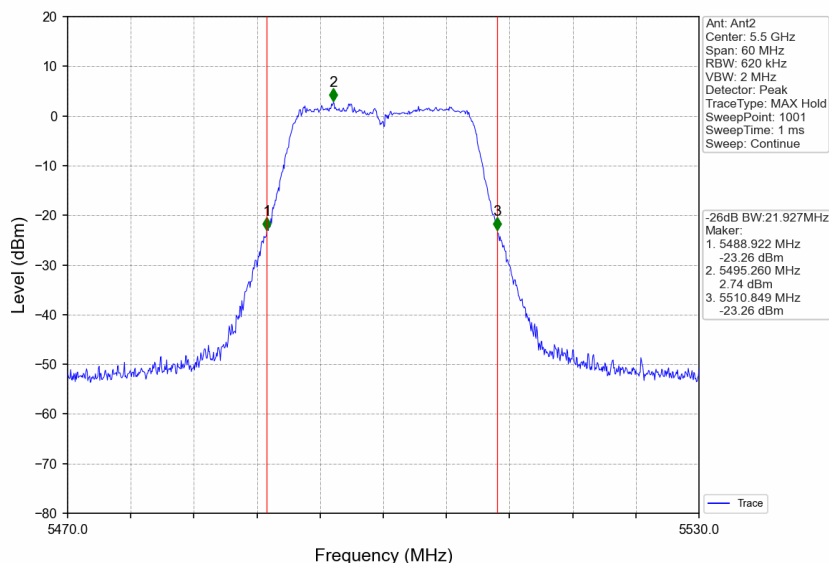
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



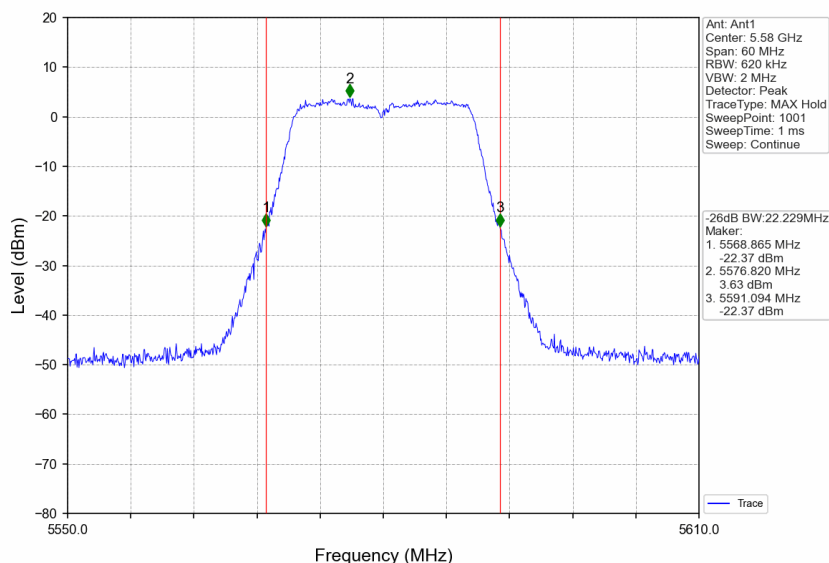
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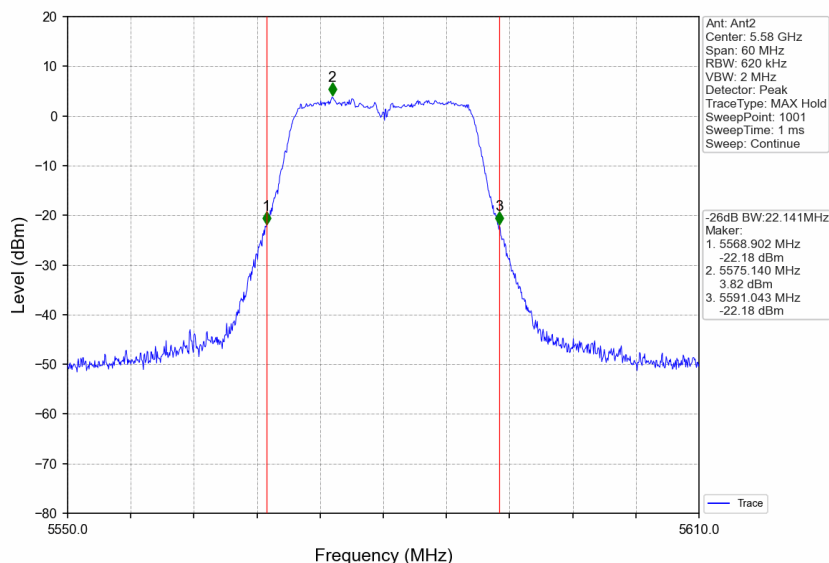
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



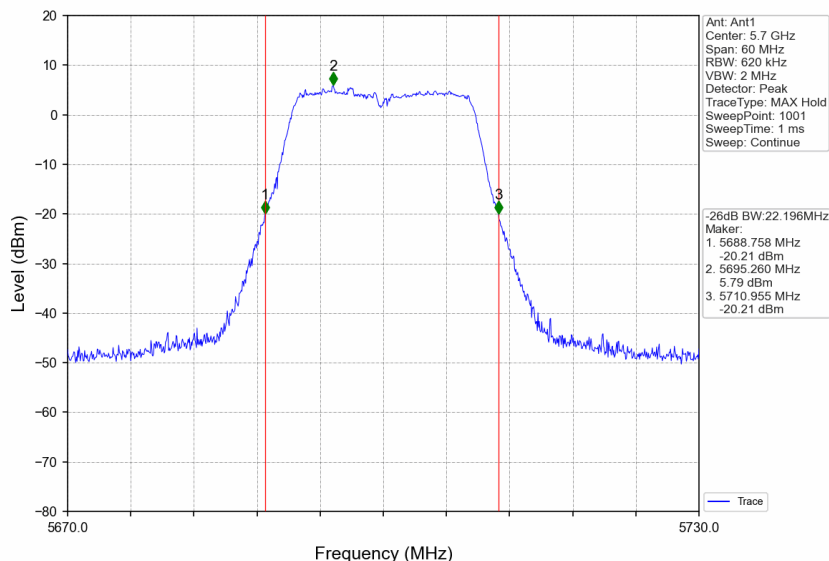
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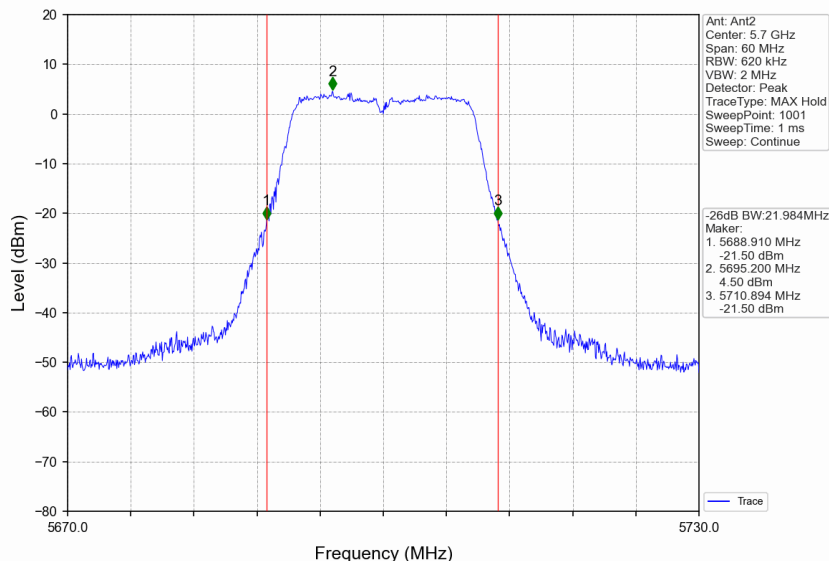
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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



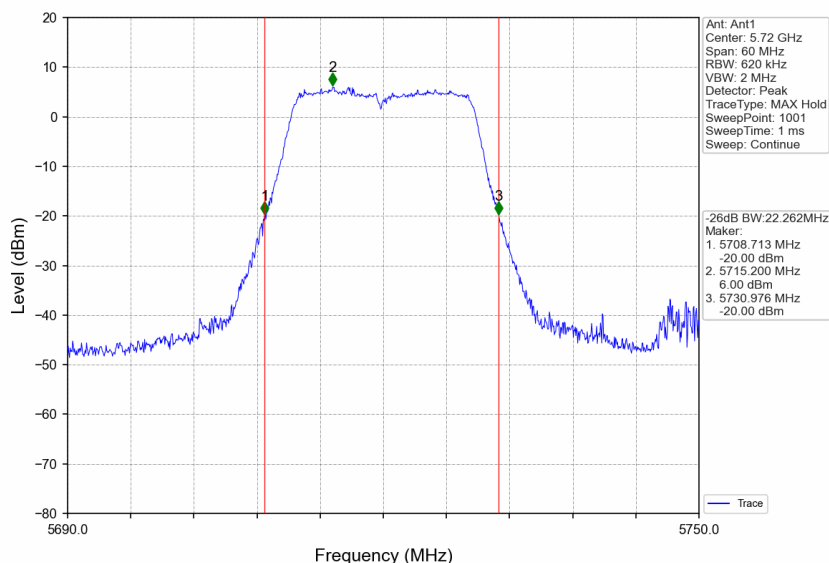
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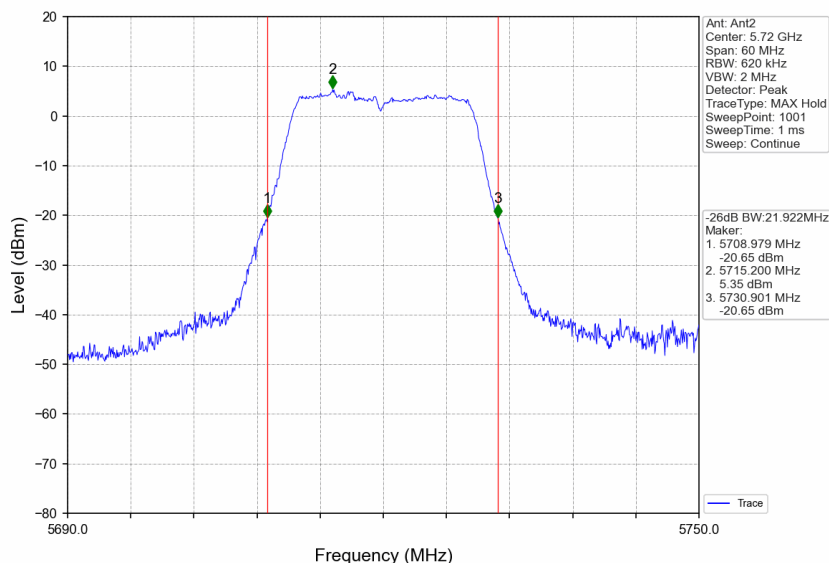
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802.11n(HT20)_HCH_5720MHz_Ant2_NTNV



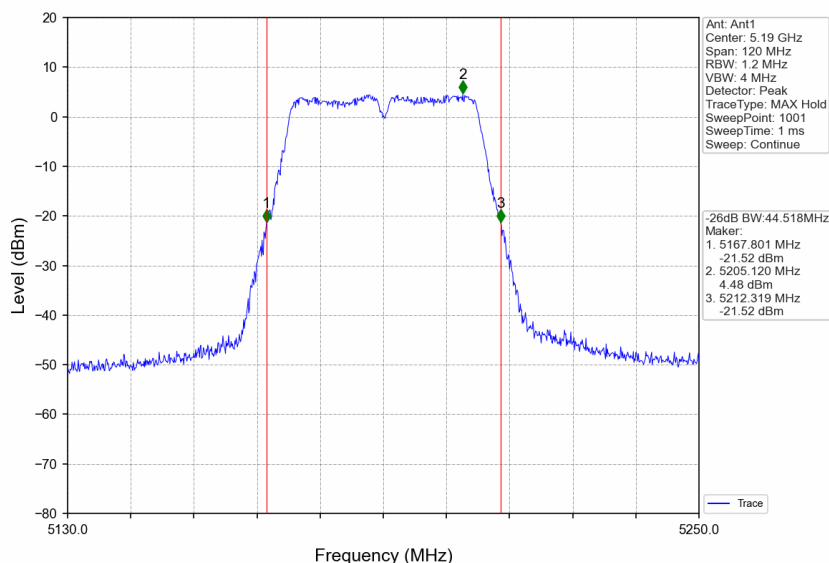
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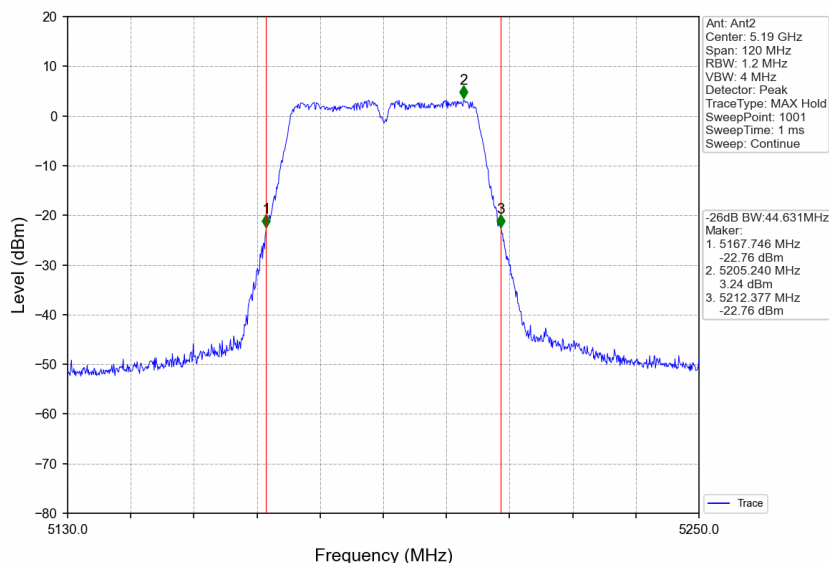
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



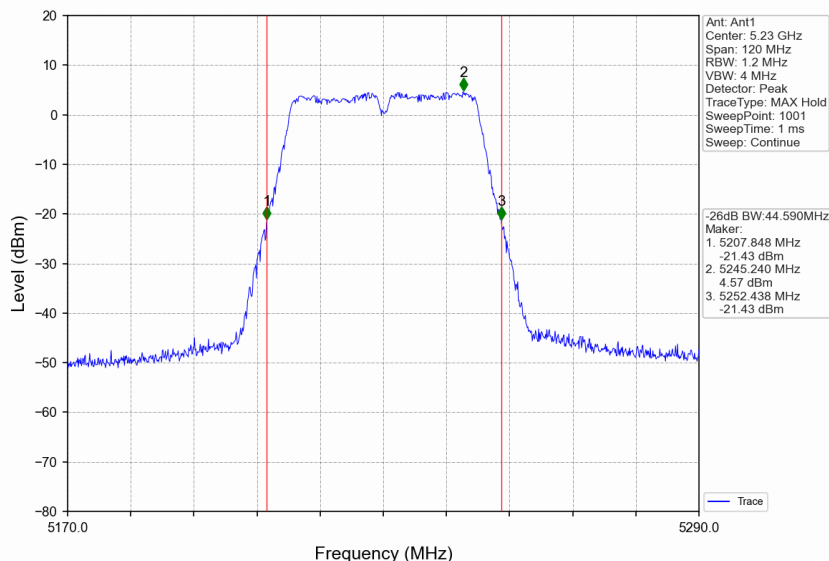
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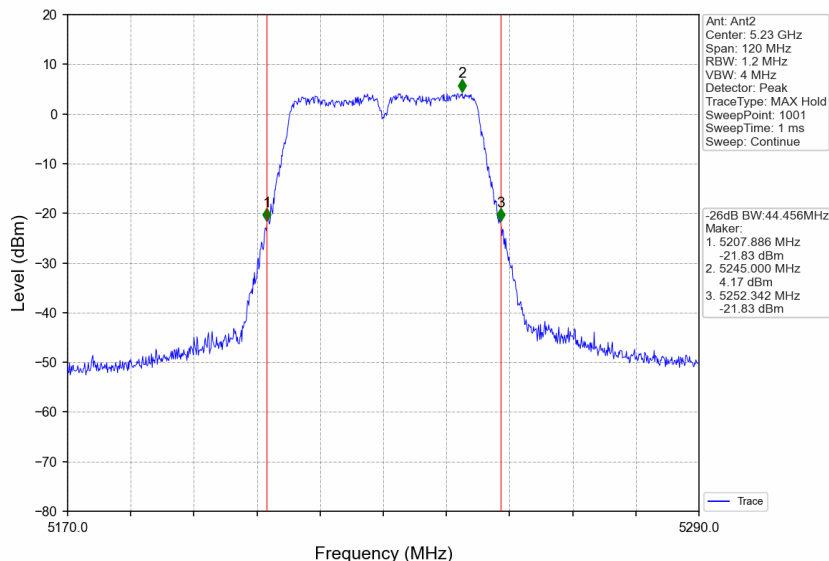
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



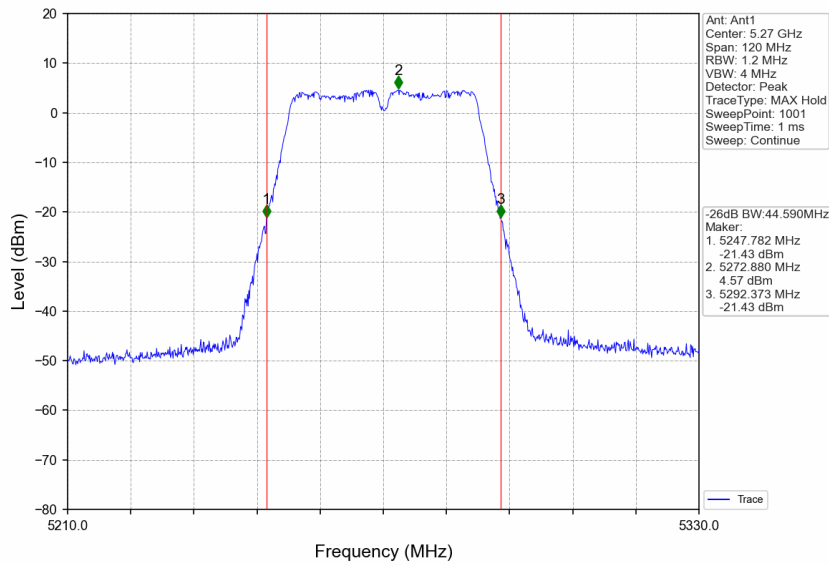
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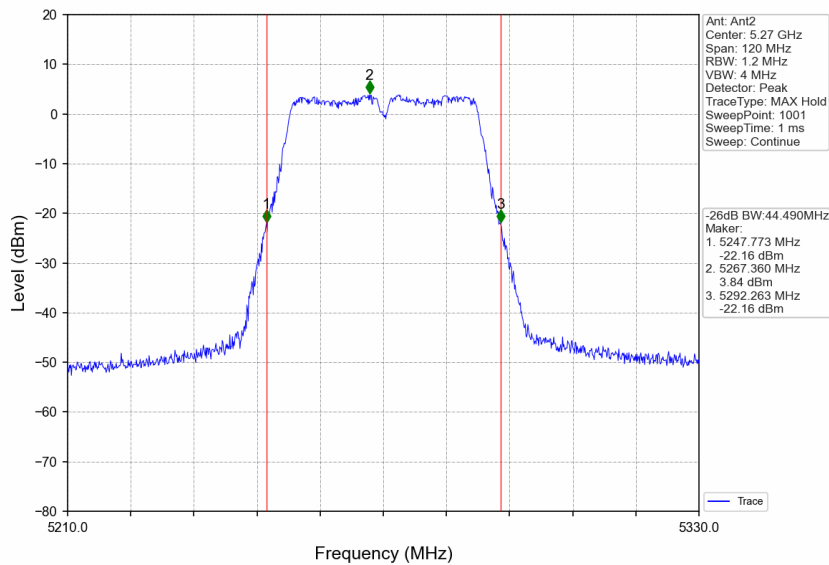
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant2_NTNV

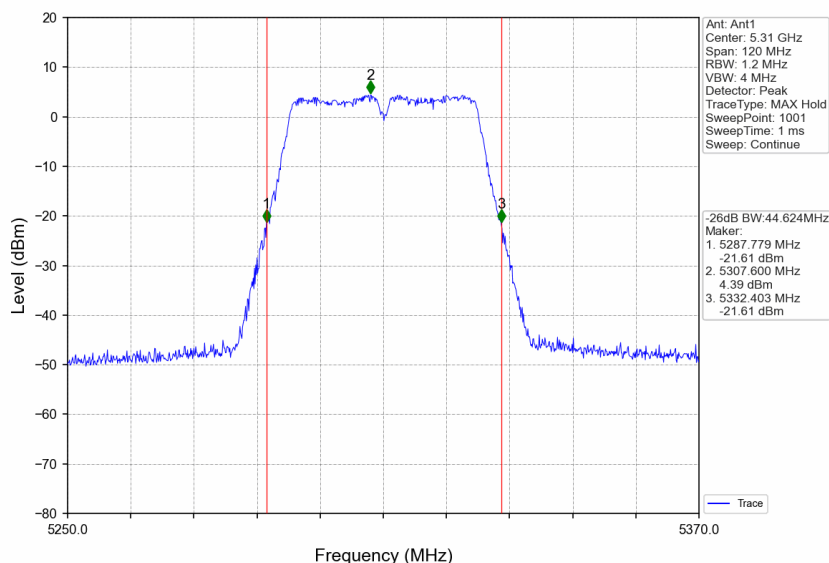


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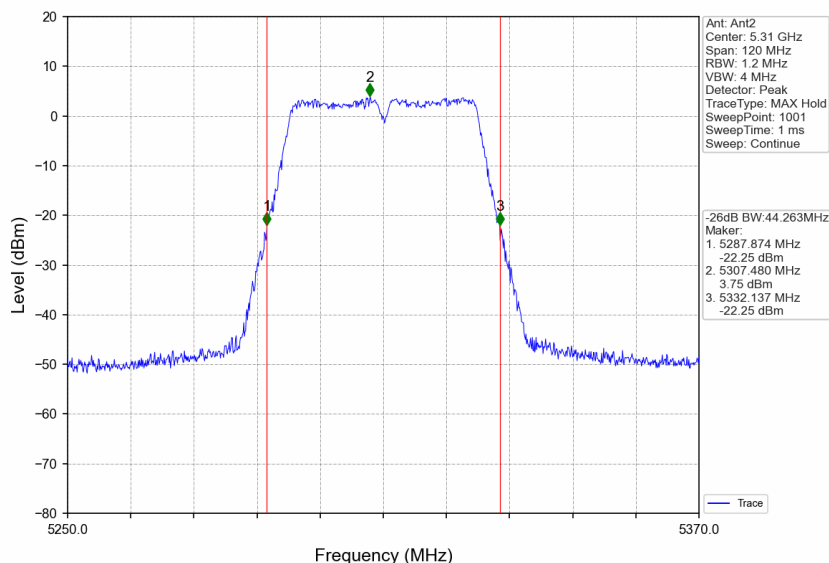
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802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant2_NTNV

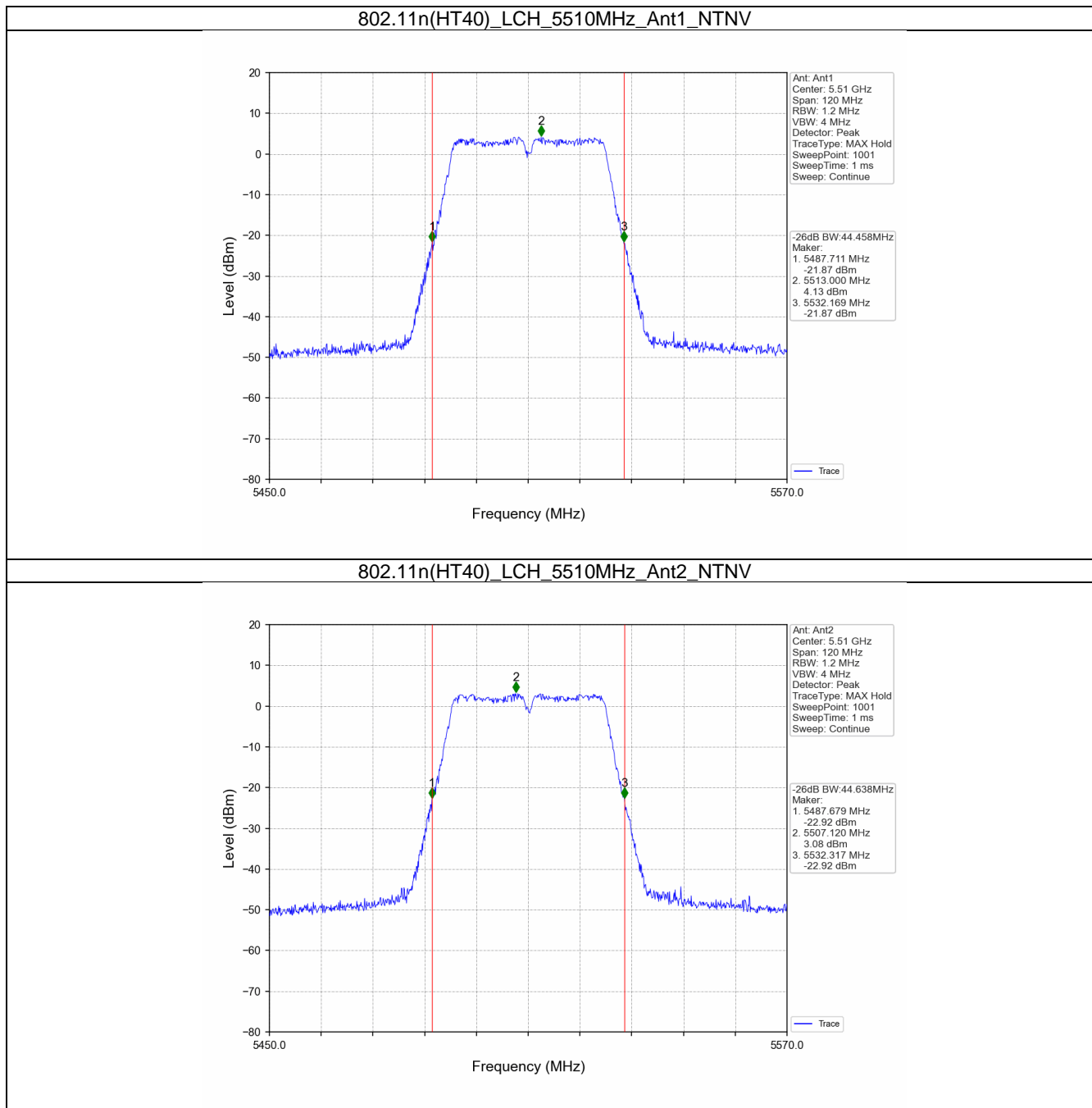


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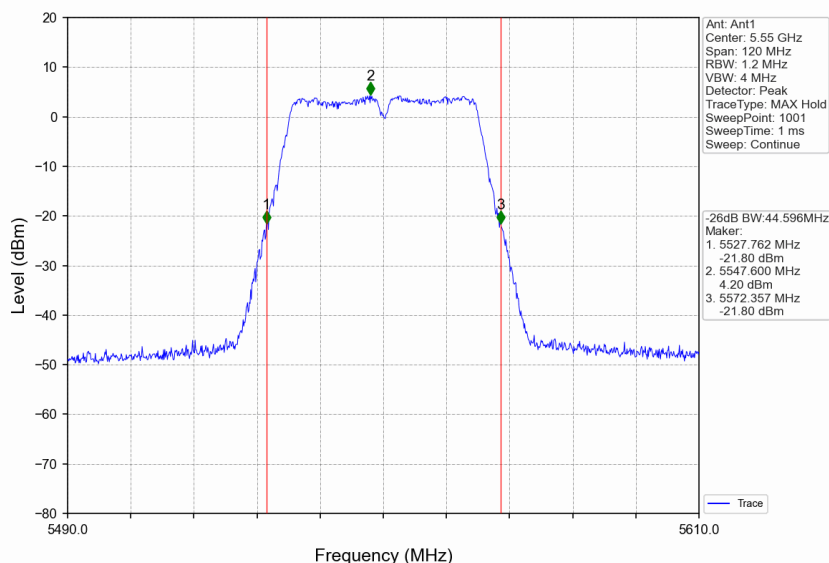
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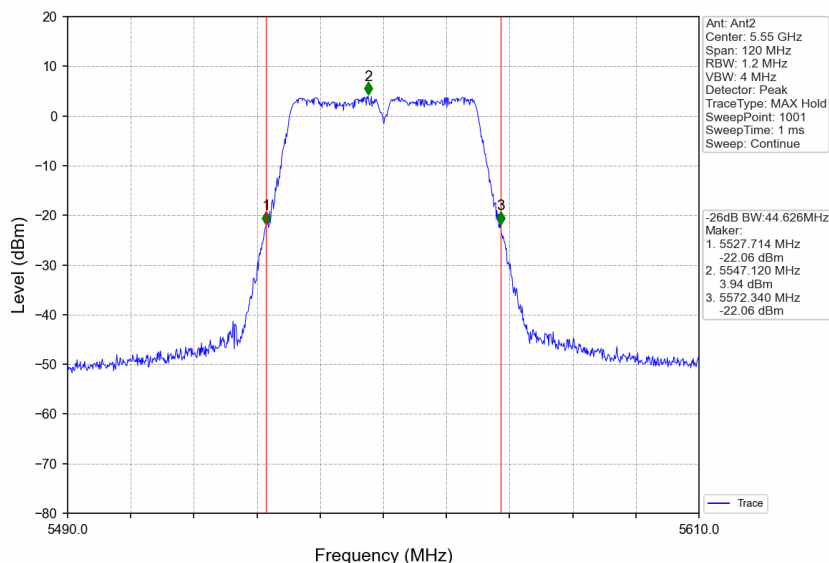
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant2_NTNV

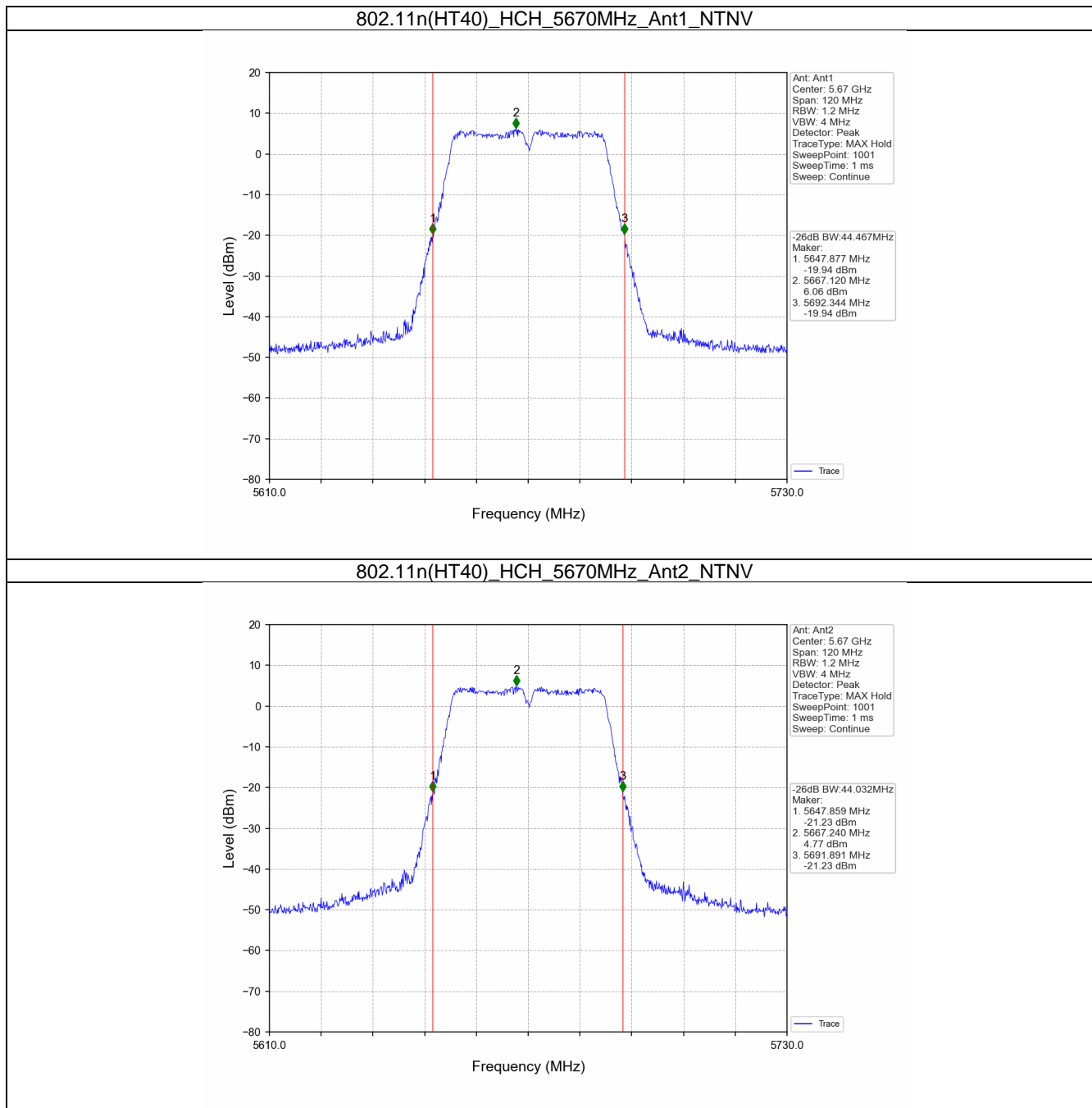


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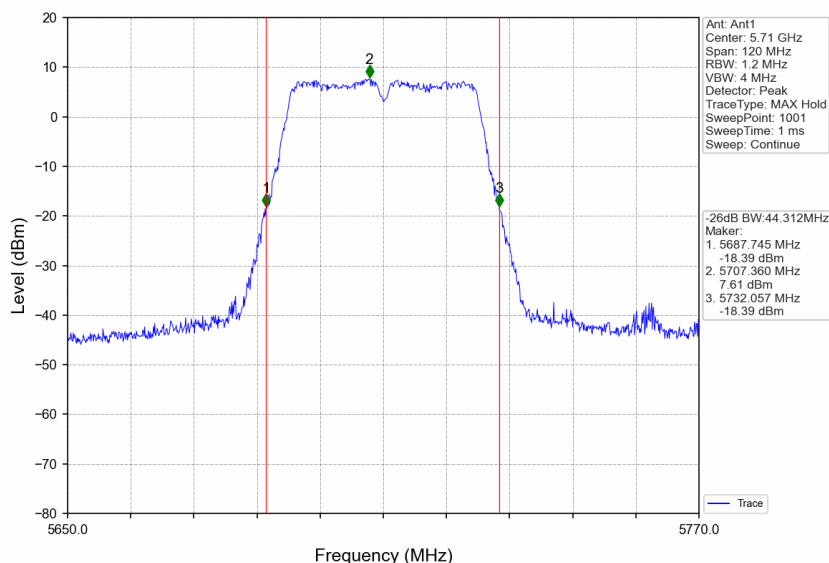
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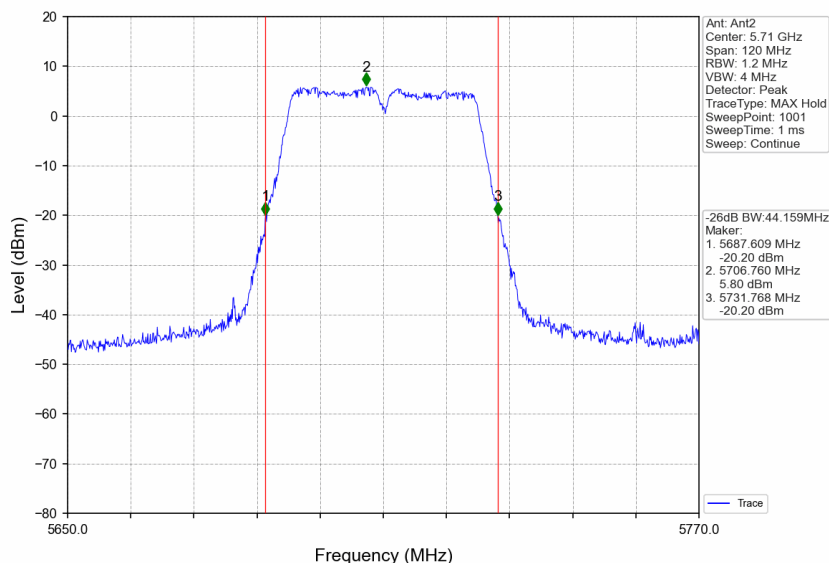
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802.11n(HT40)_HCH_5710MHz_Ant2_NTNV



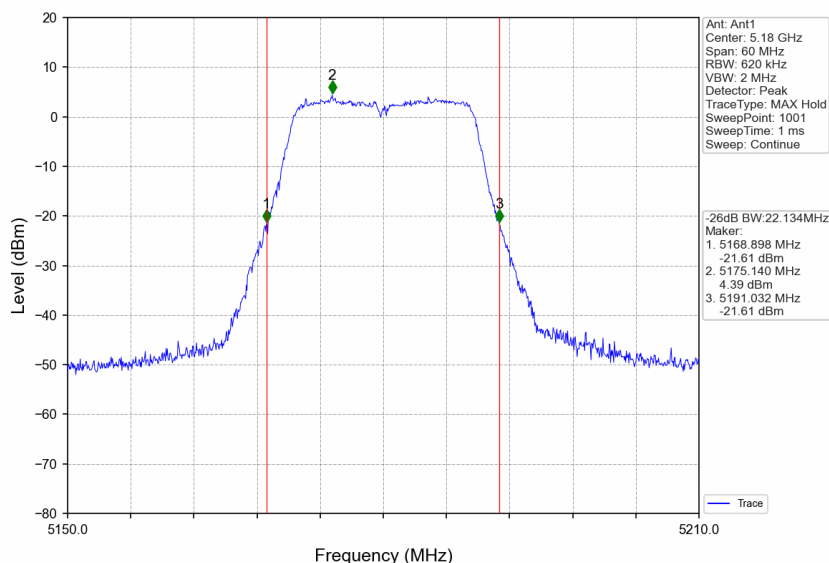
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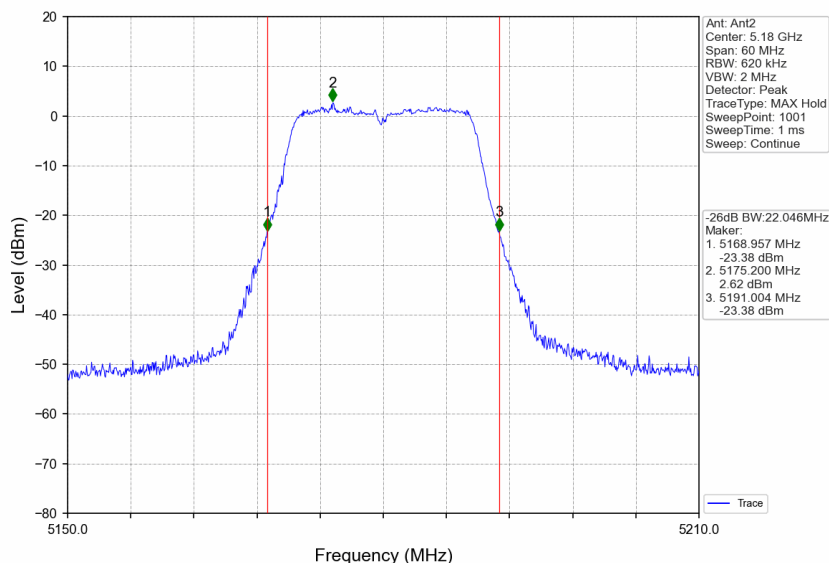
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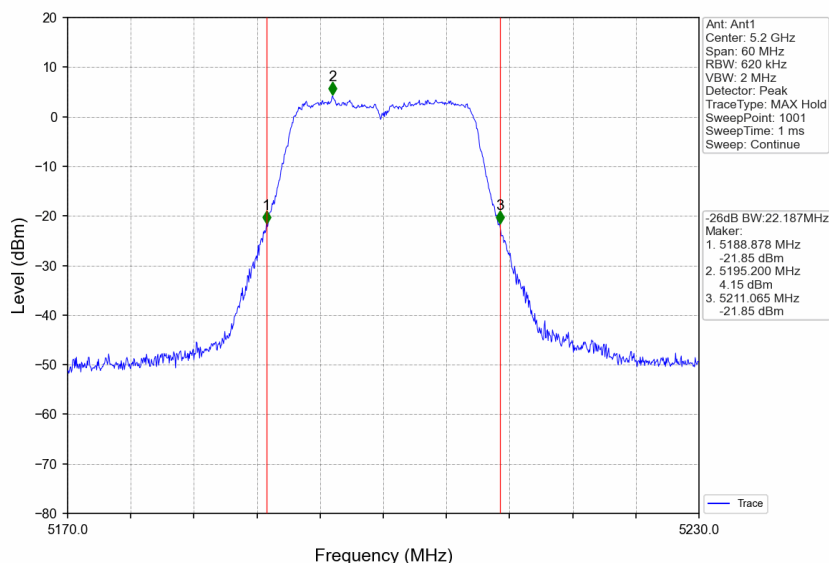
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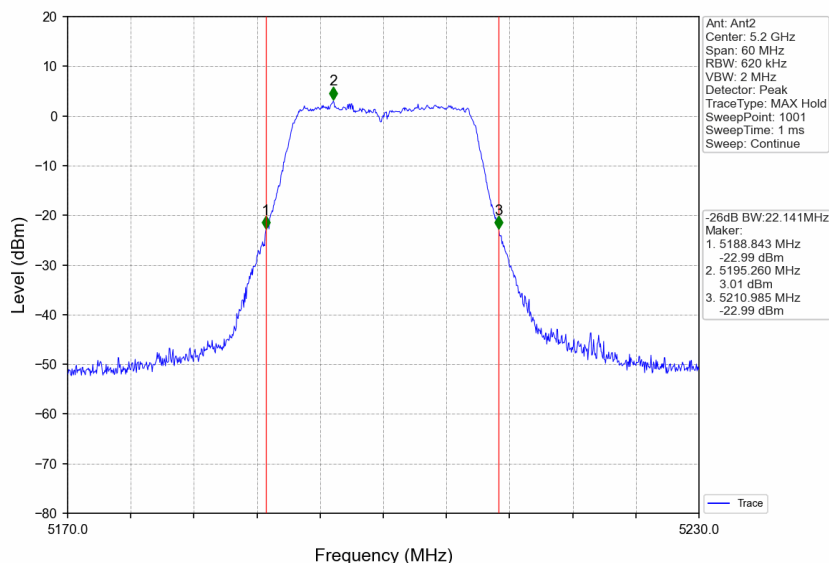
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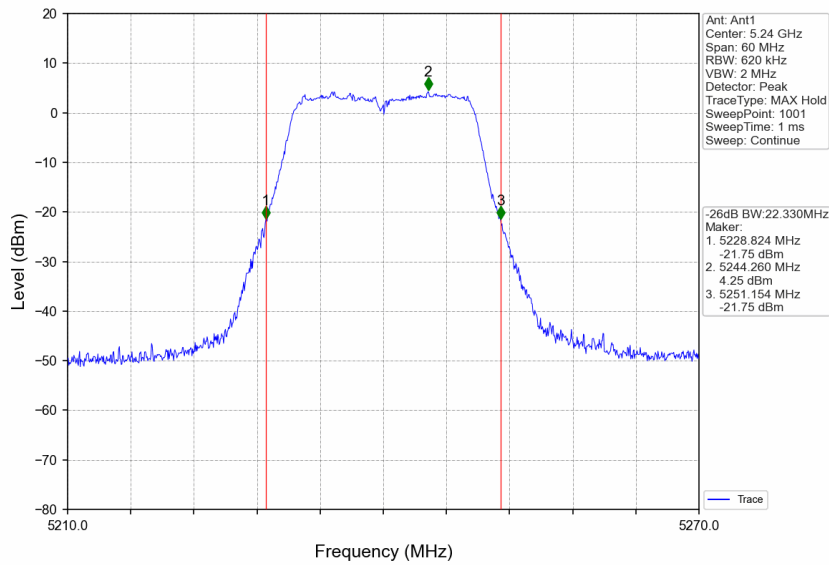
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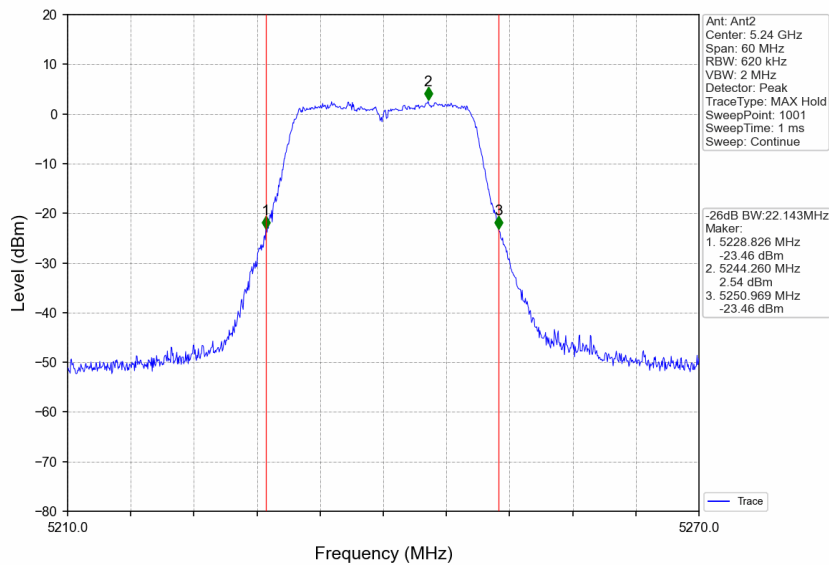
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



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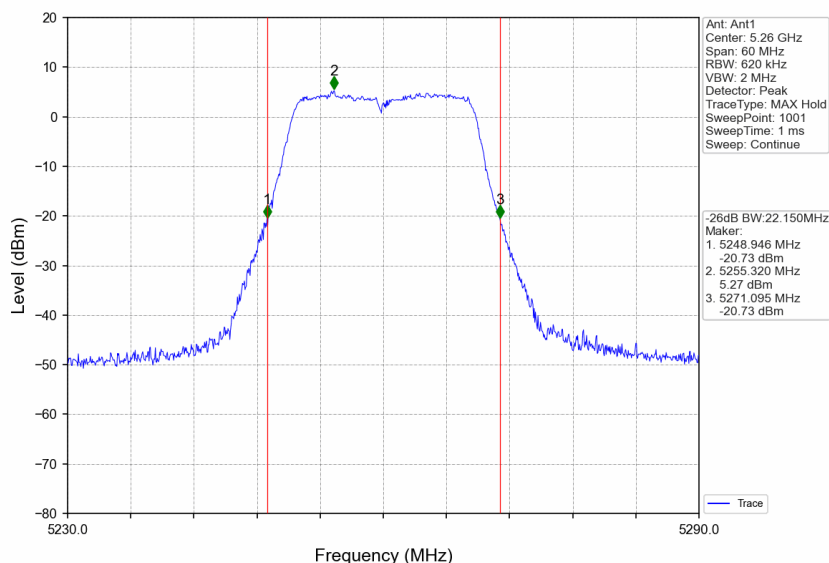
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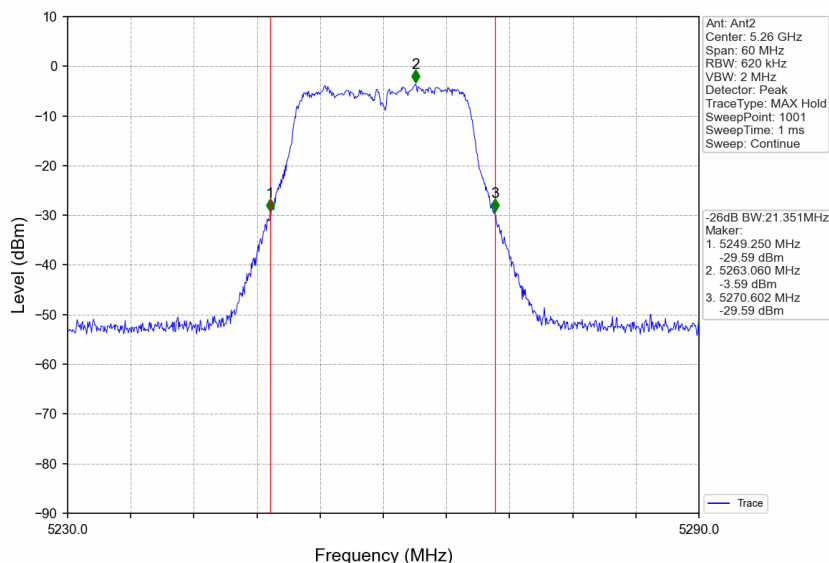
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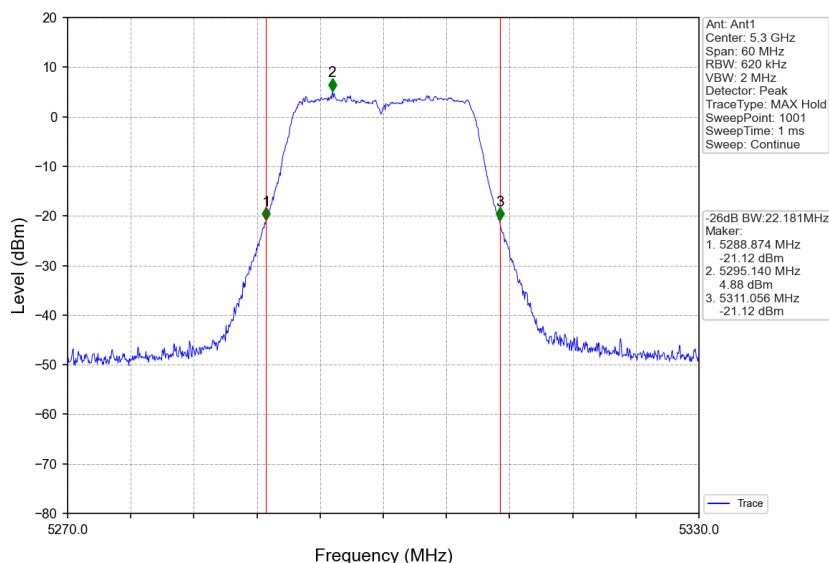
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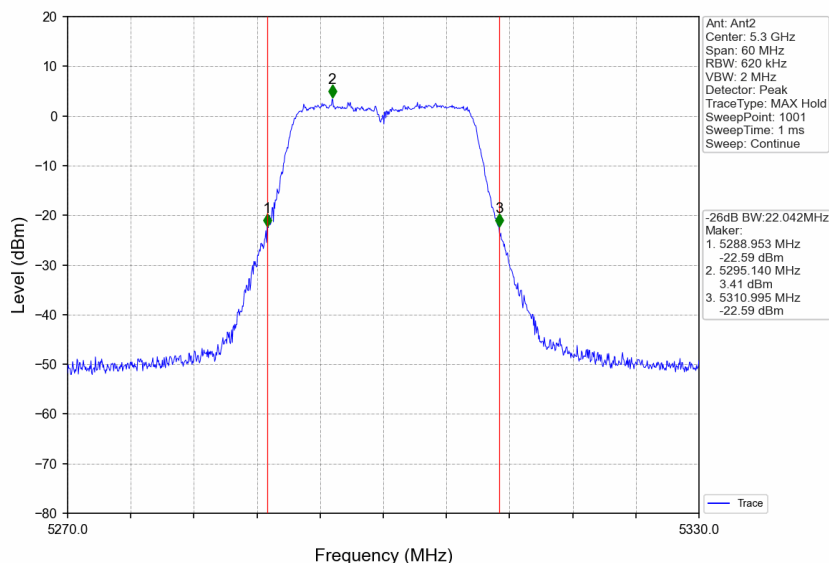
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802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



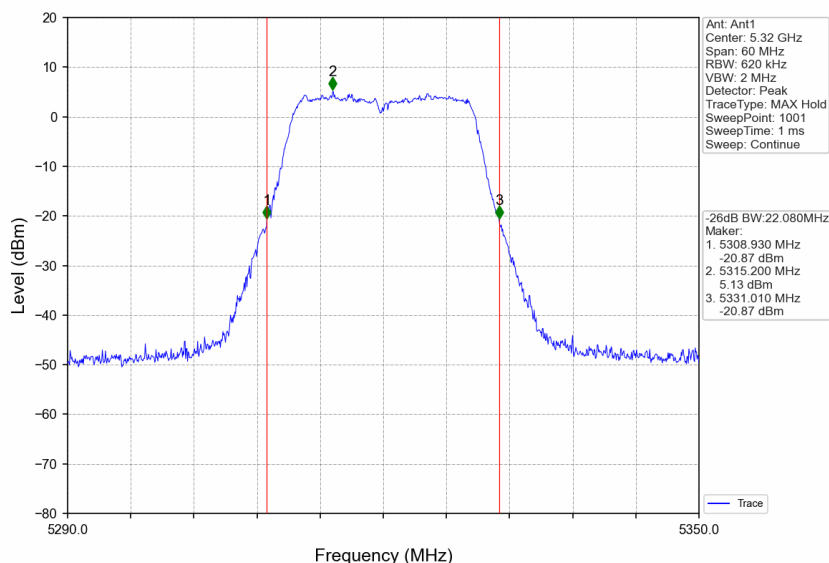
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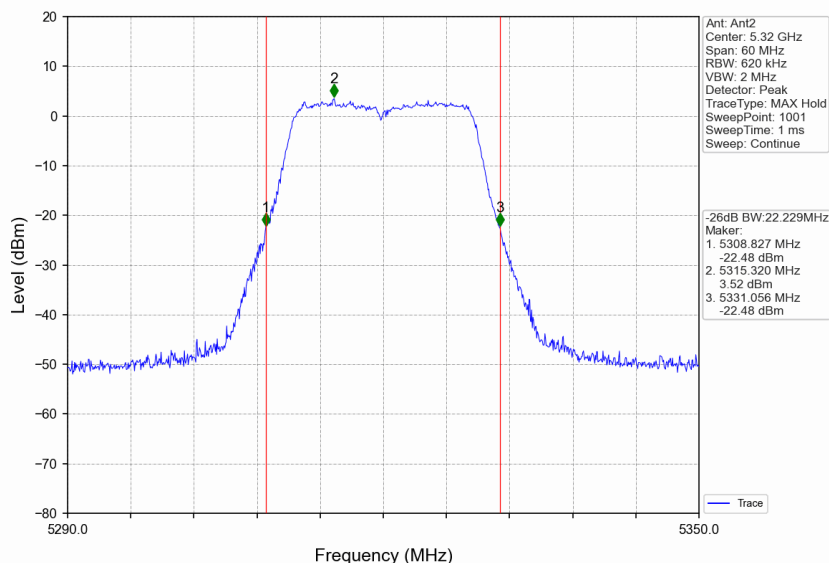
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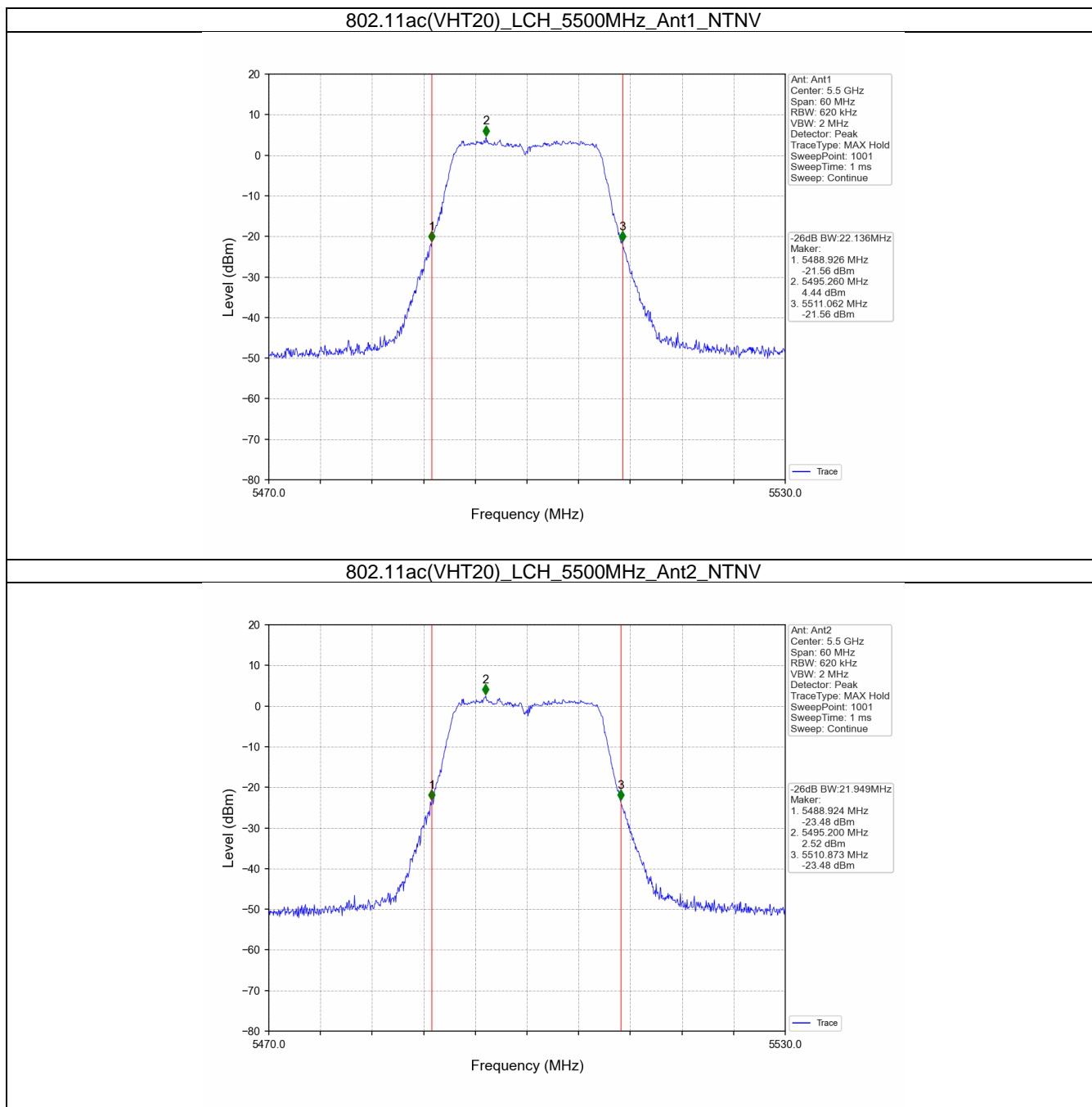


802.11ac(VHT20)_HCH_5320MHz_Ant2_NTNV



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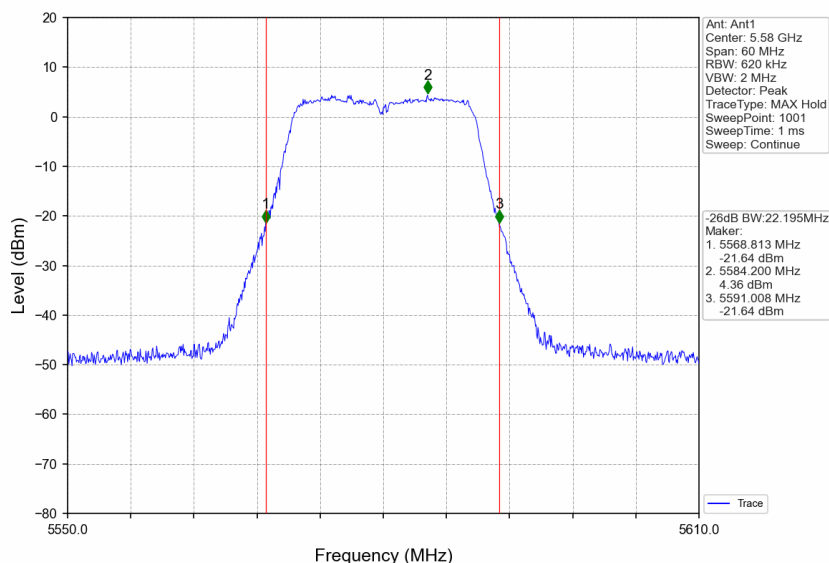
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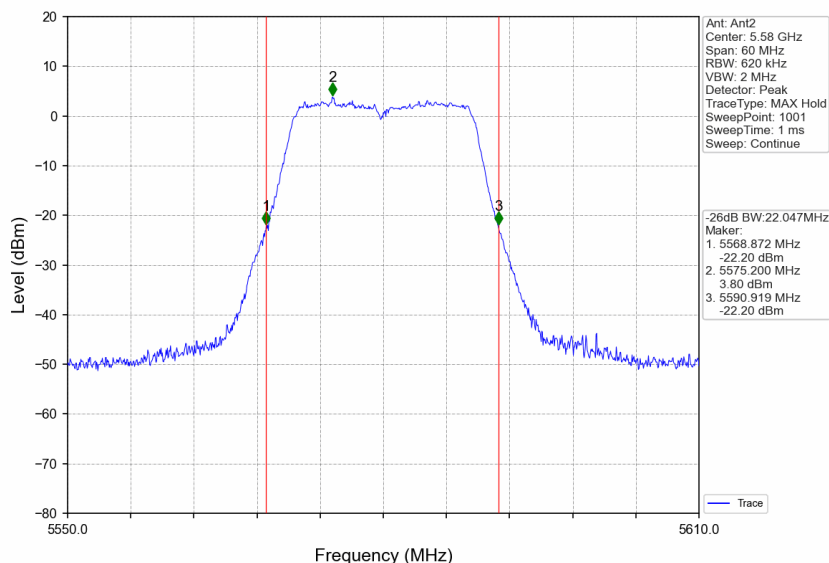
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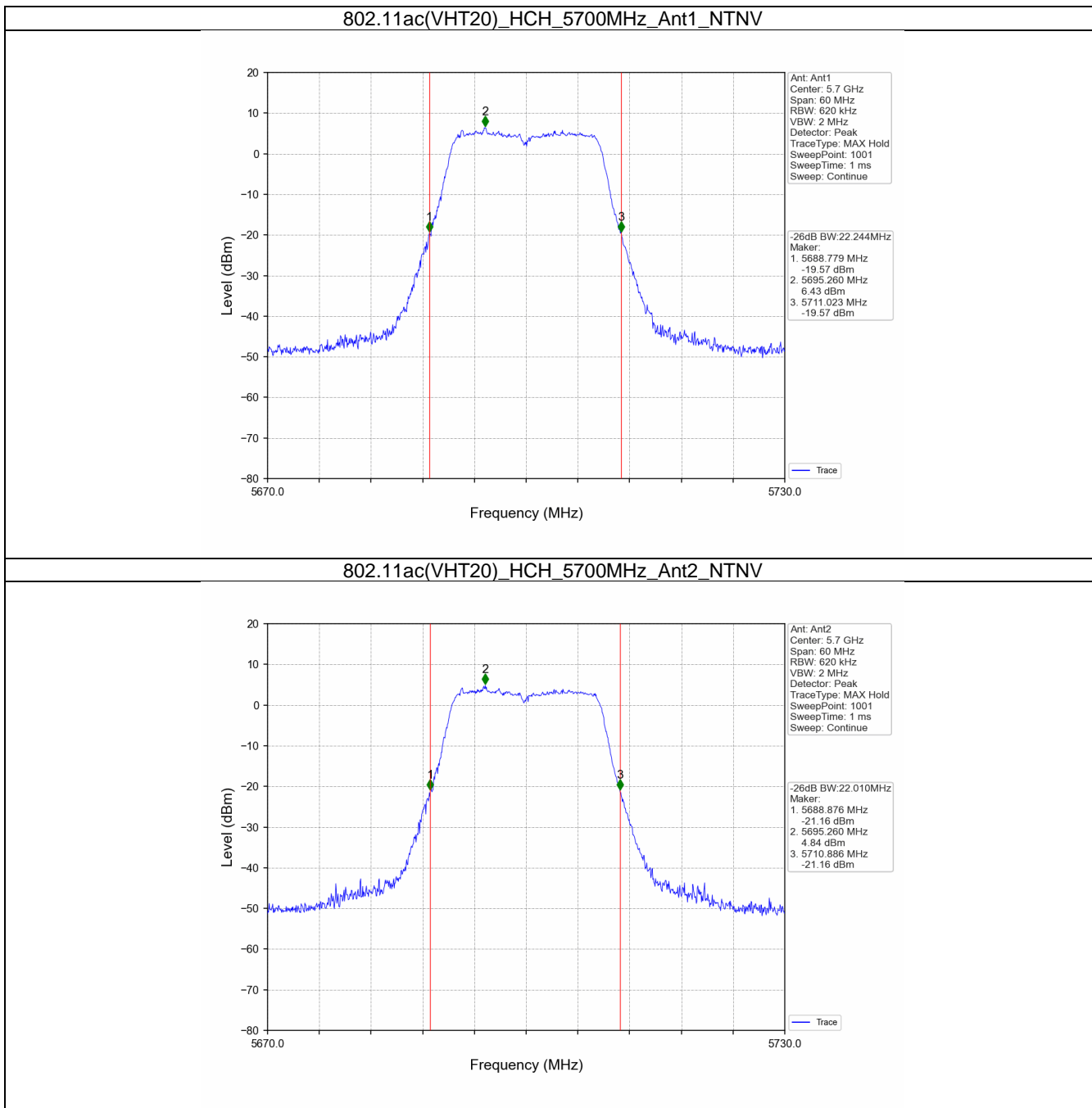
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV



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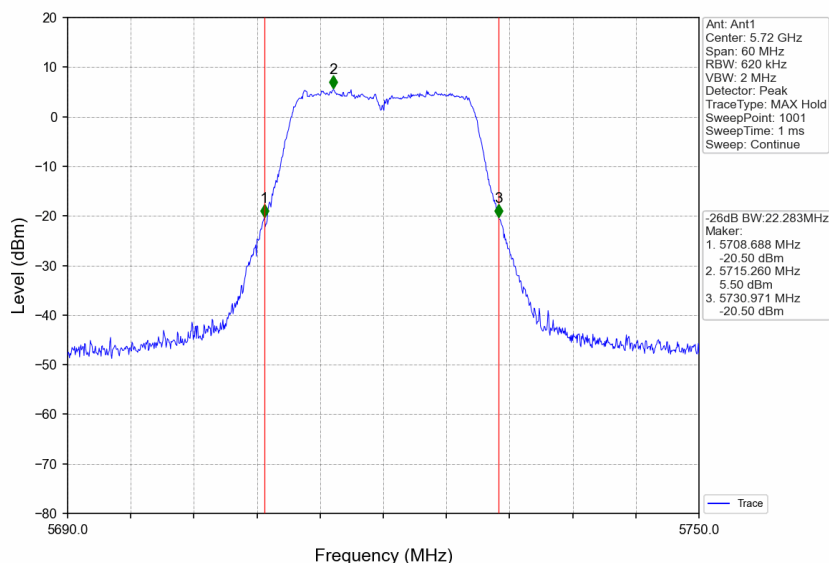
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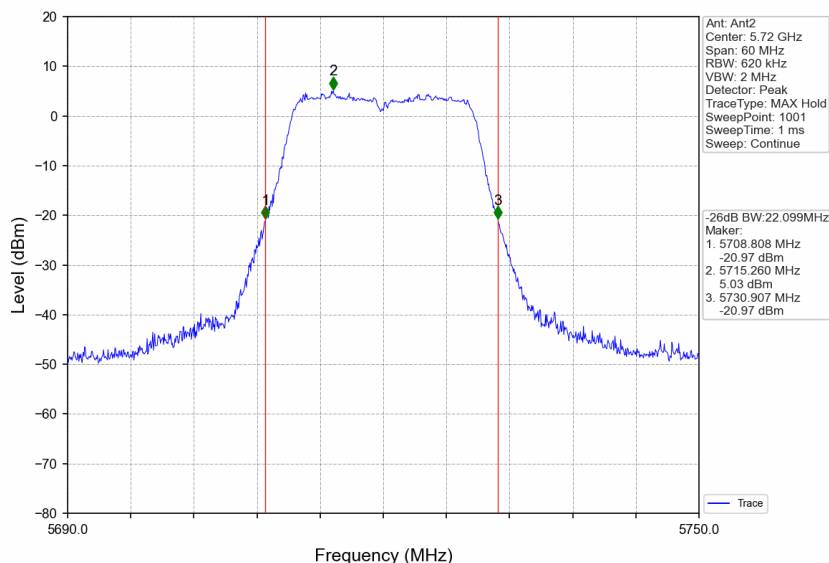
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802.11ac(VHT20)_HCH_5720MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5720MHz_Ant2_NTNV



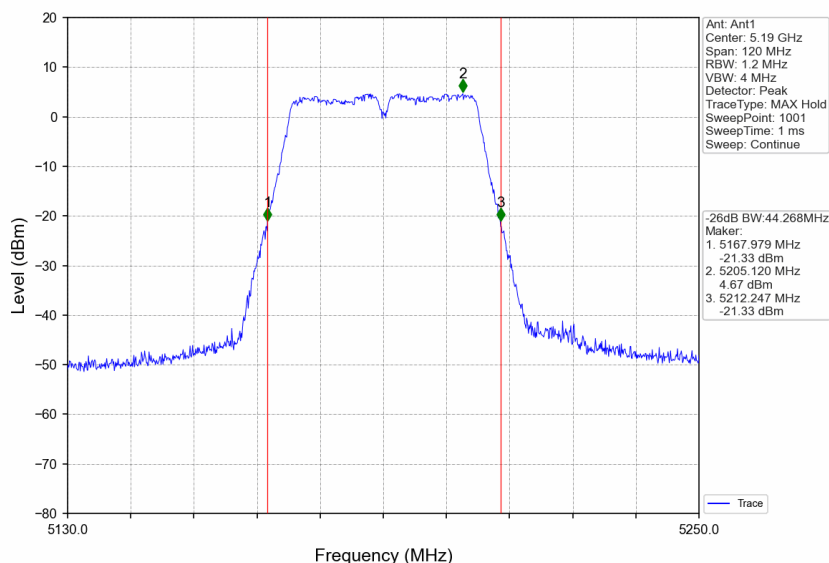
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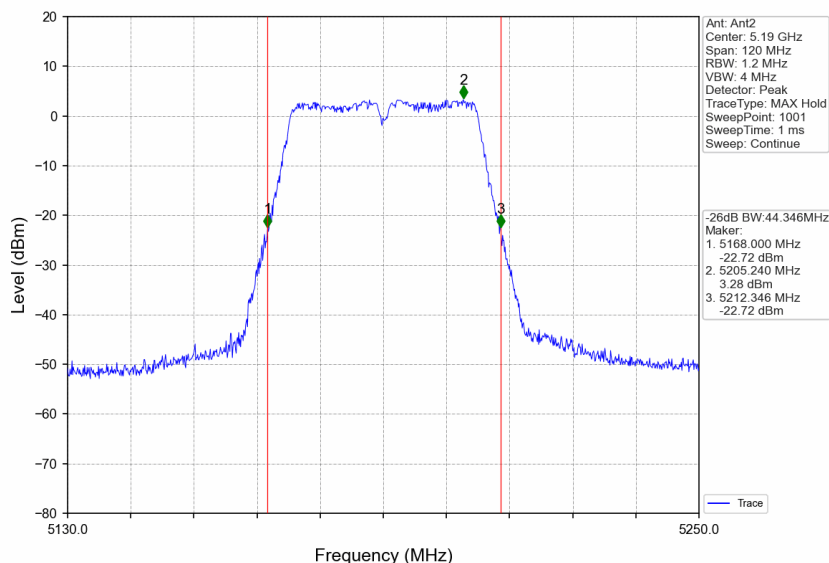
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



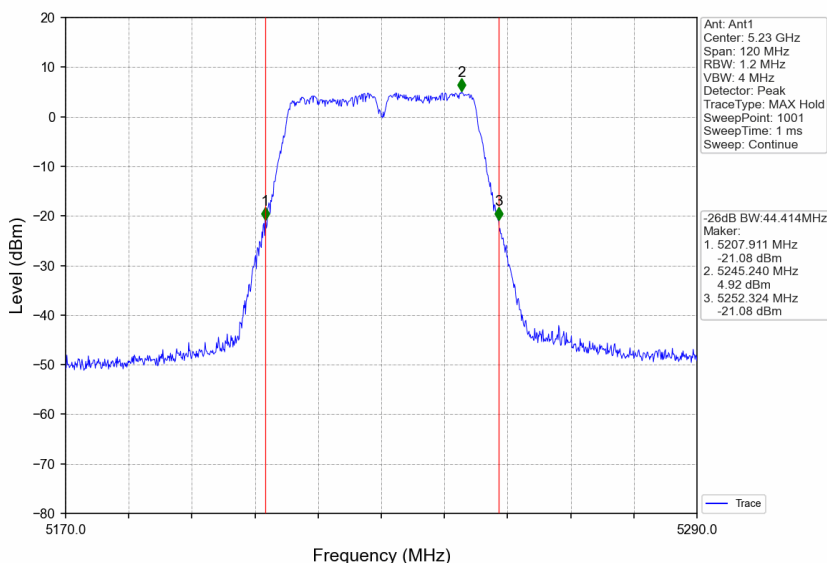
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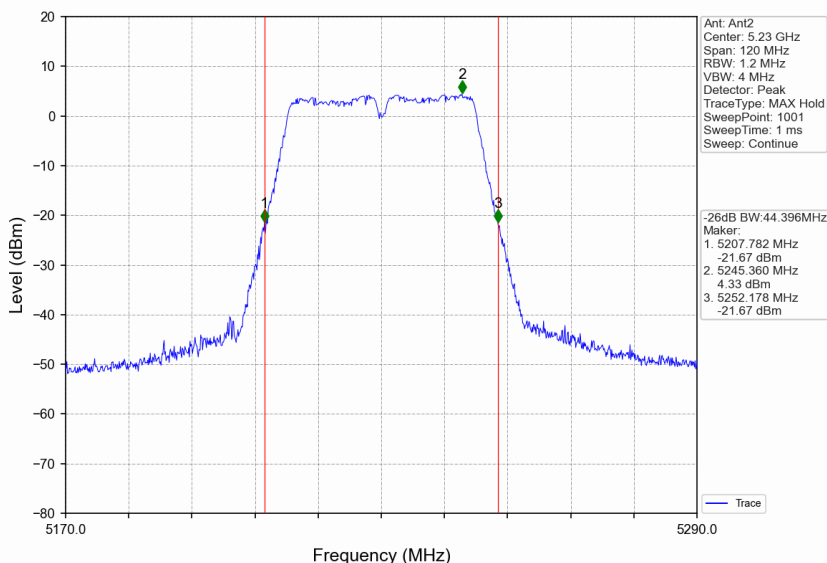
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802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



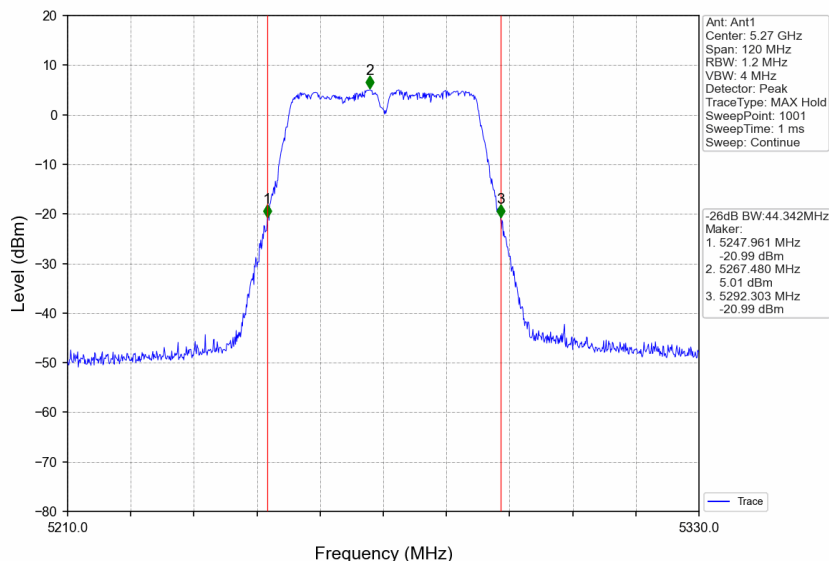
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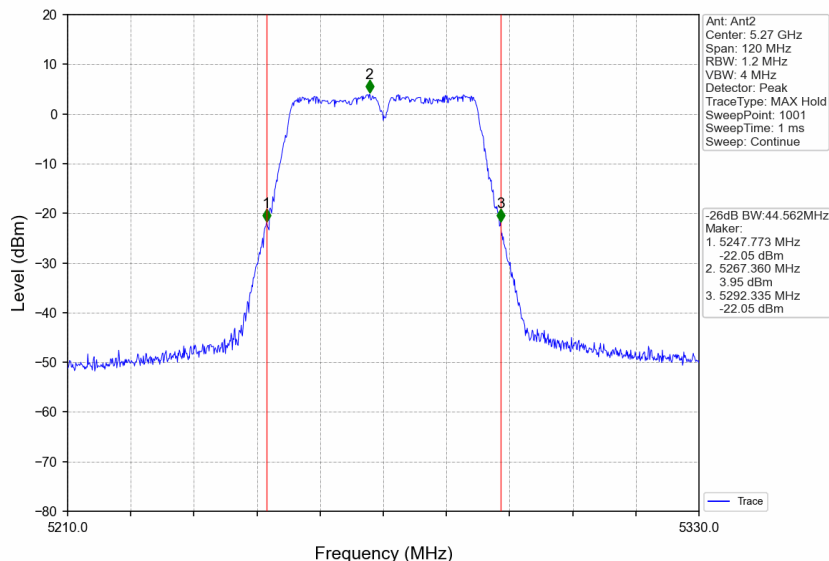
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802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV

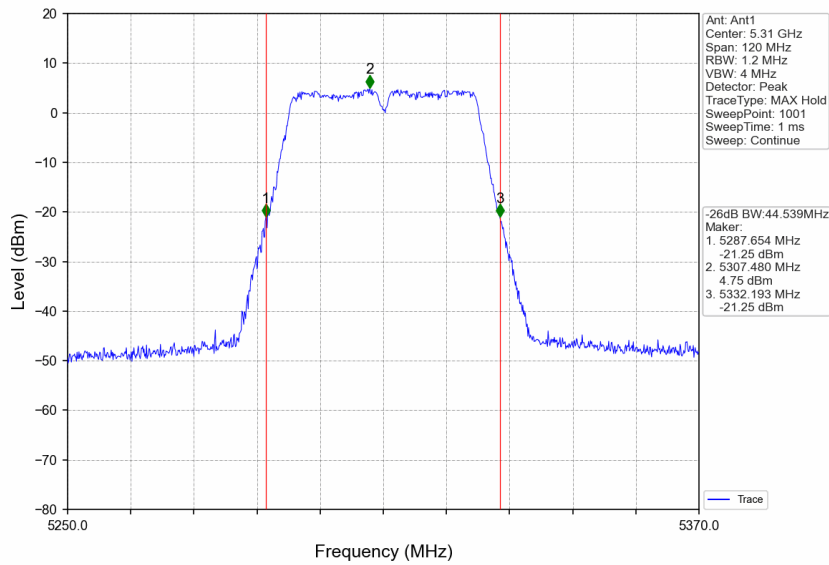


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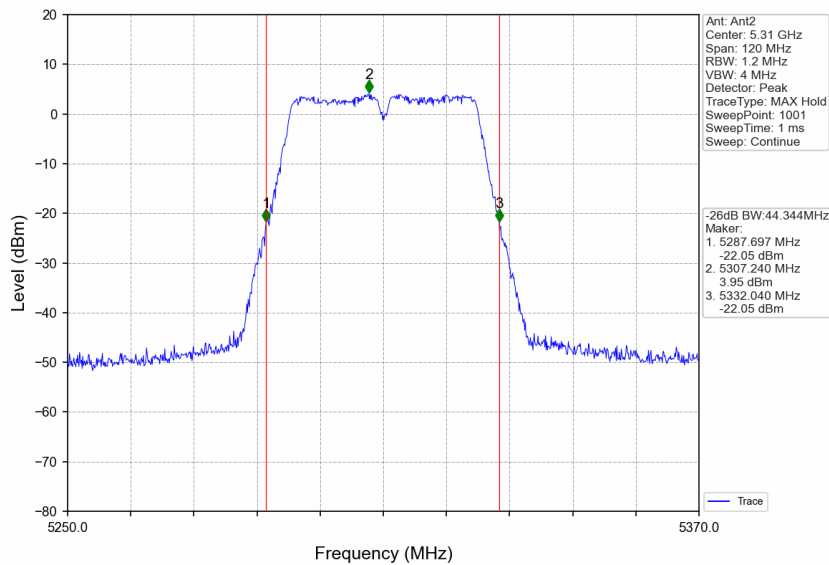


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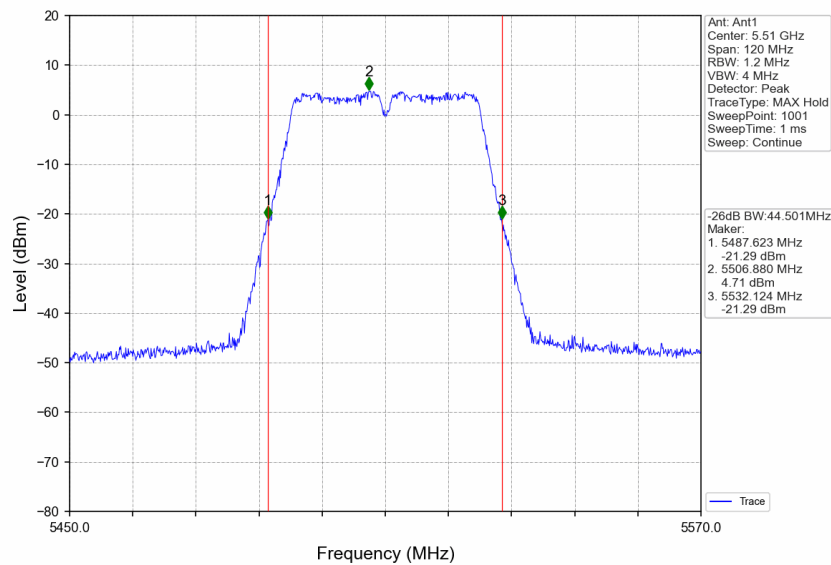
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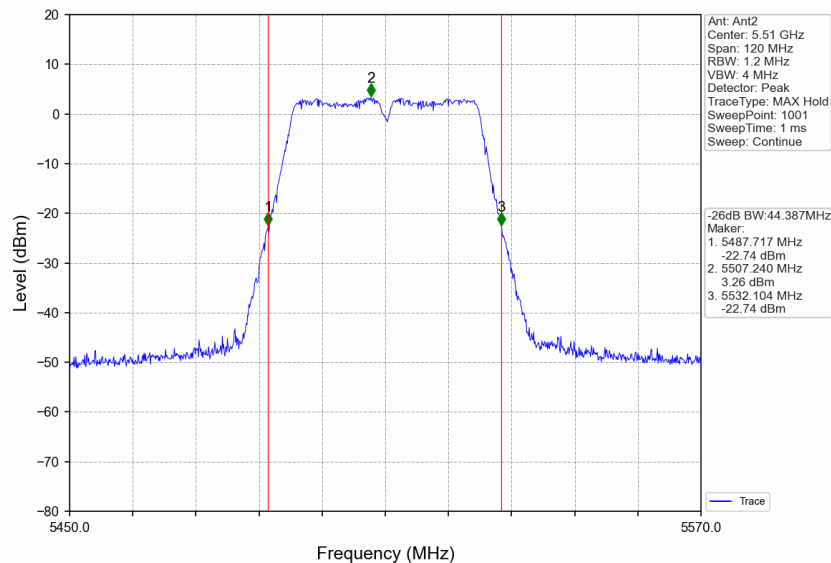
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802.11ac(VHT40) LCH_5510MHz_Ant1_NTNV



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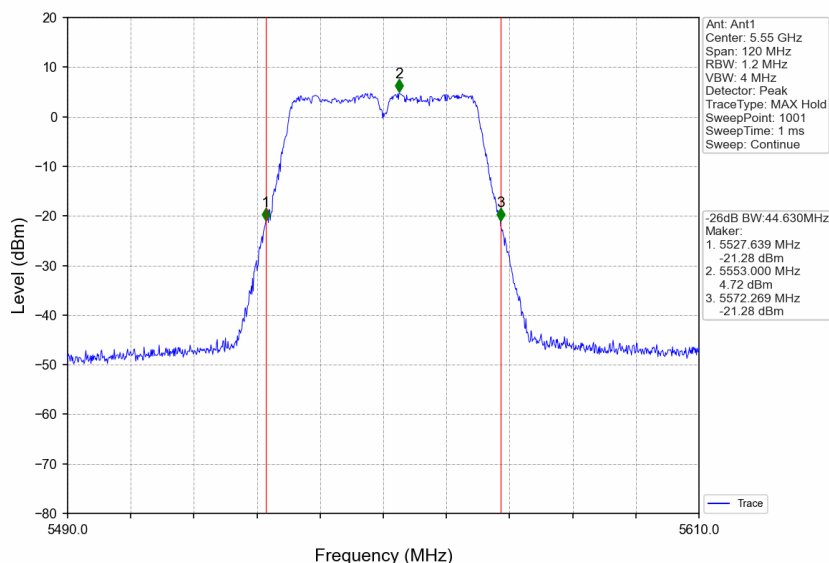
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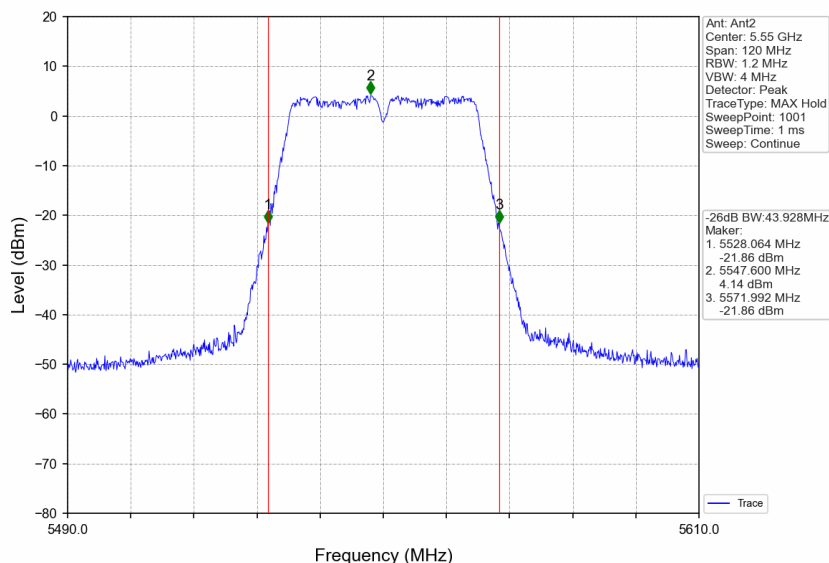
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802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



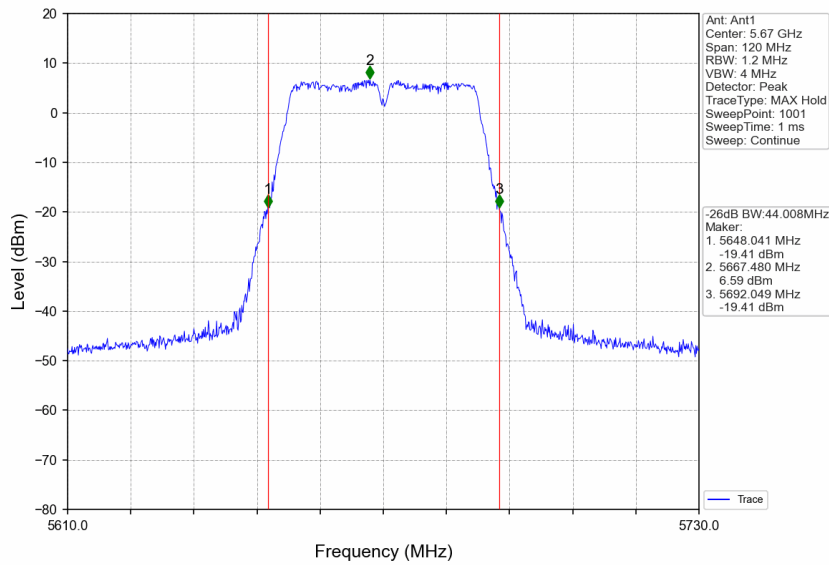
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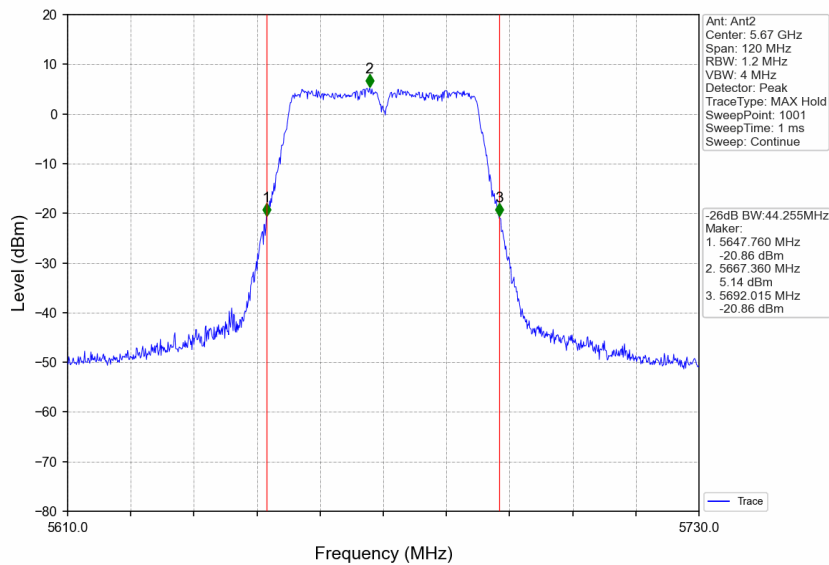
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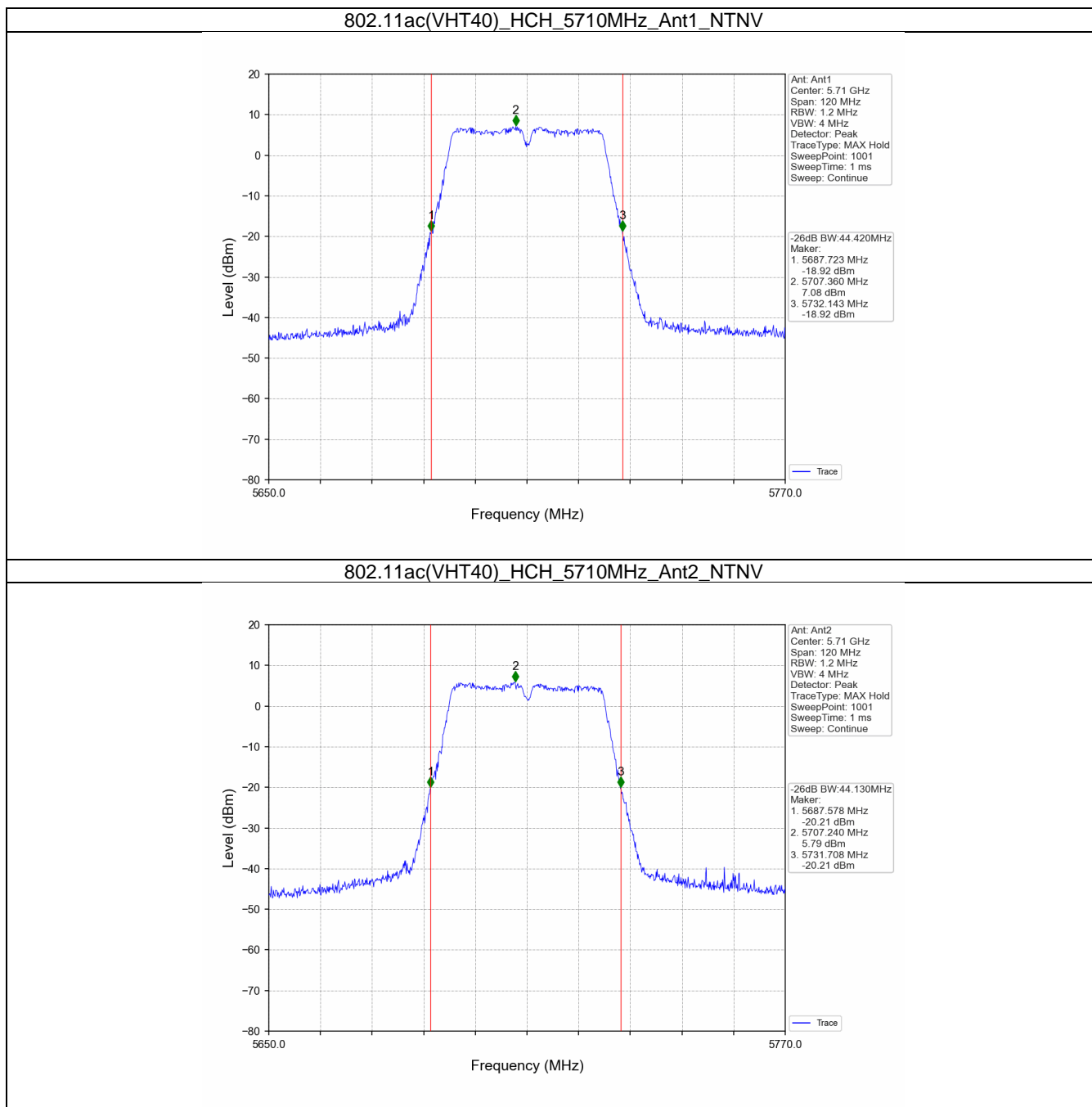


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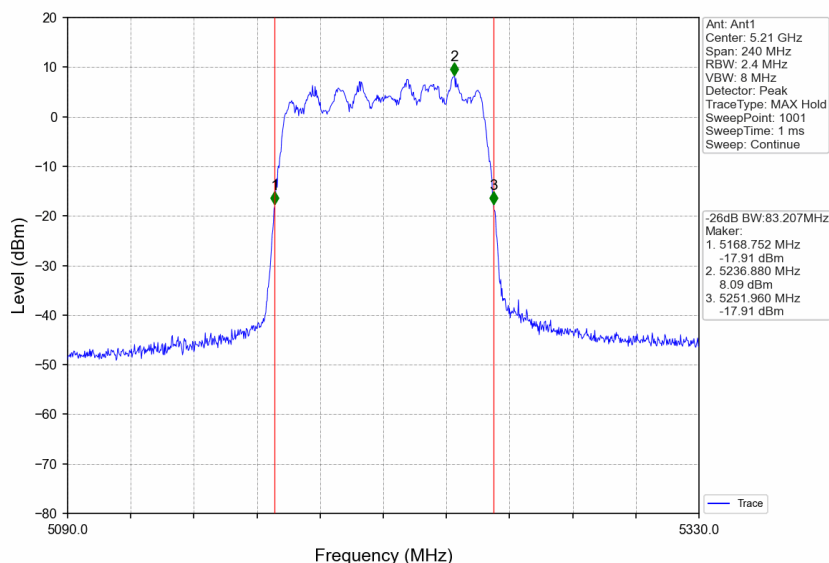
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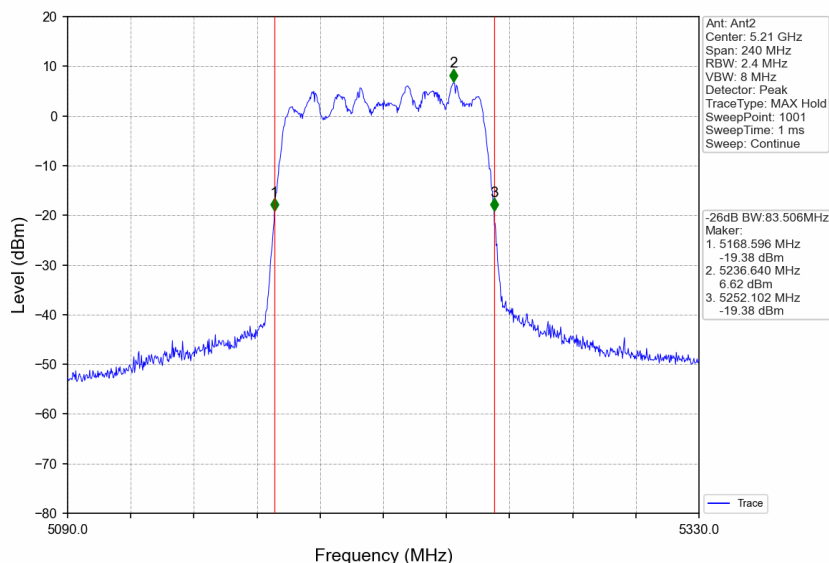
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802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



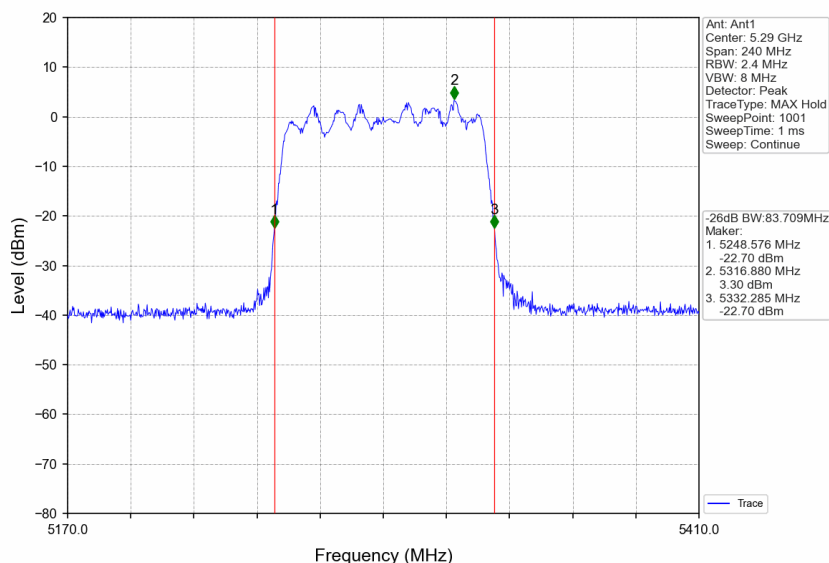
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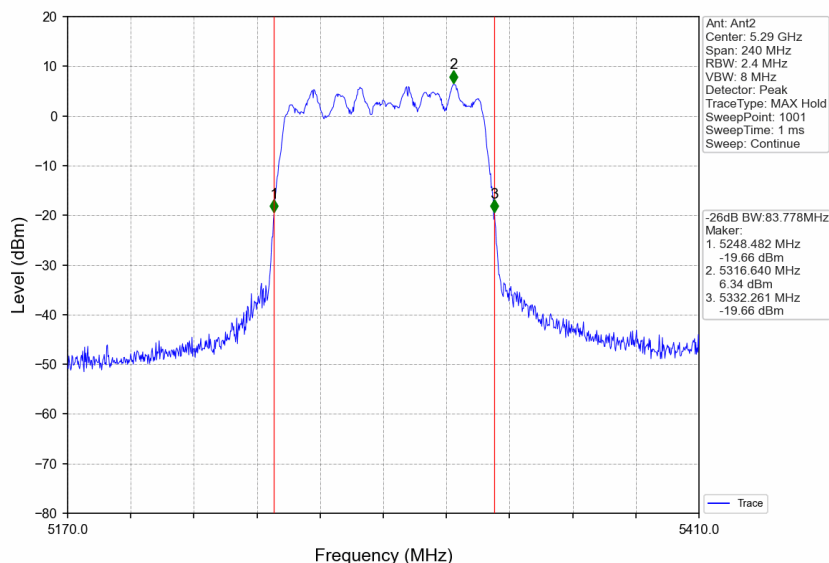
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802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV

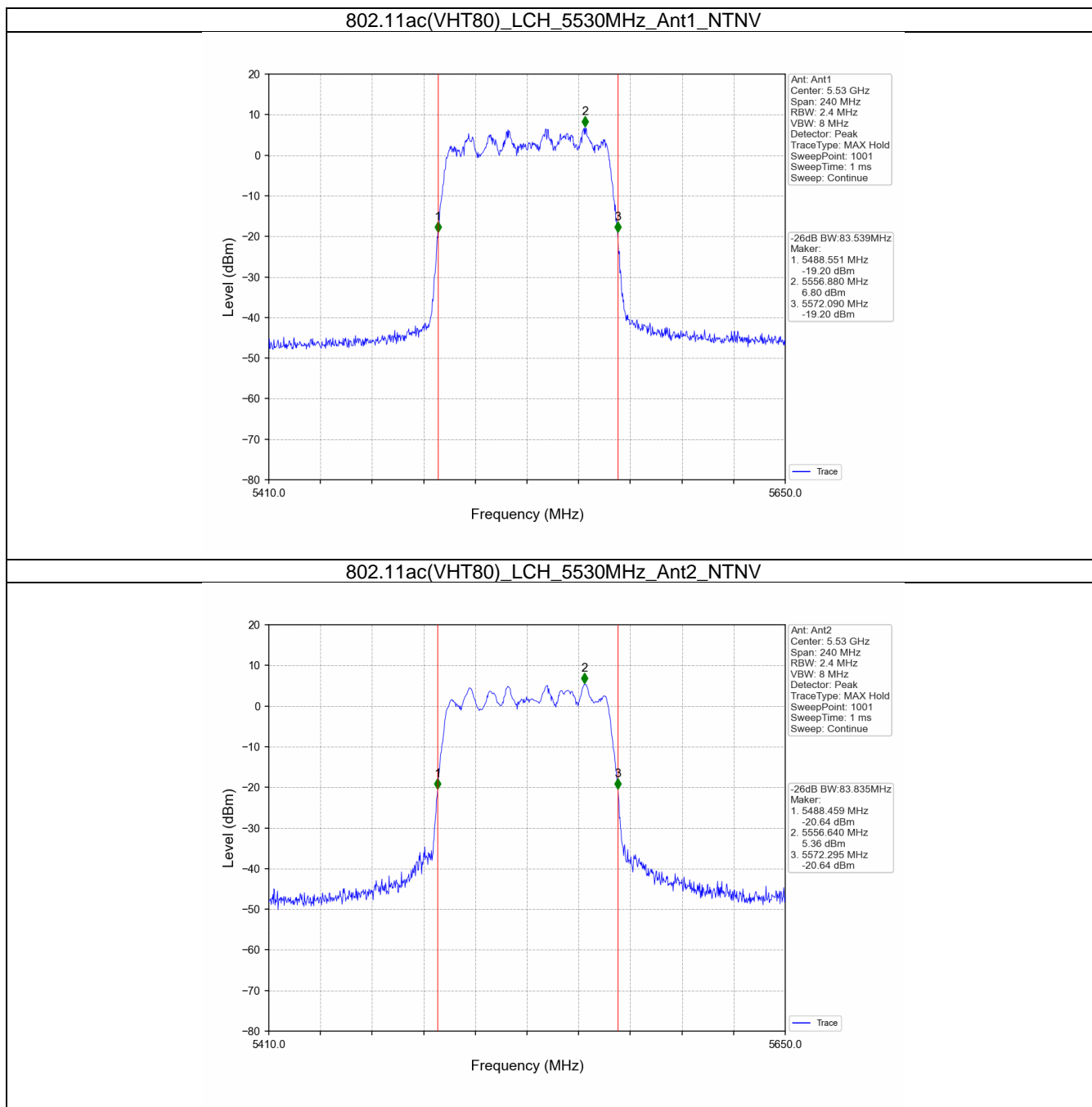


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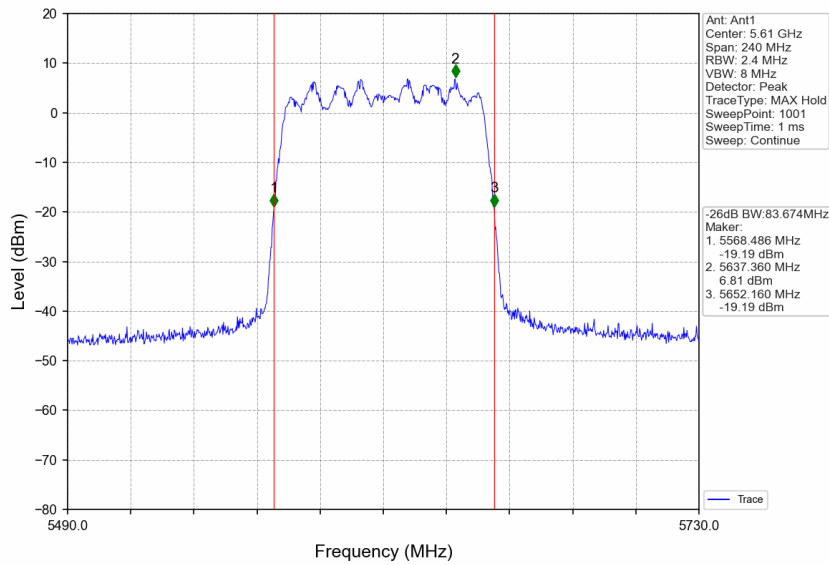
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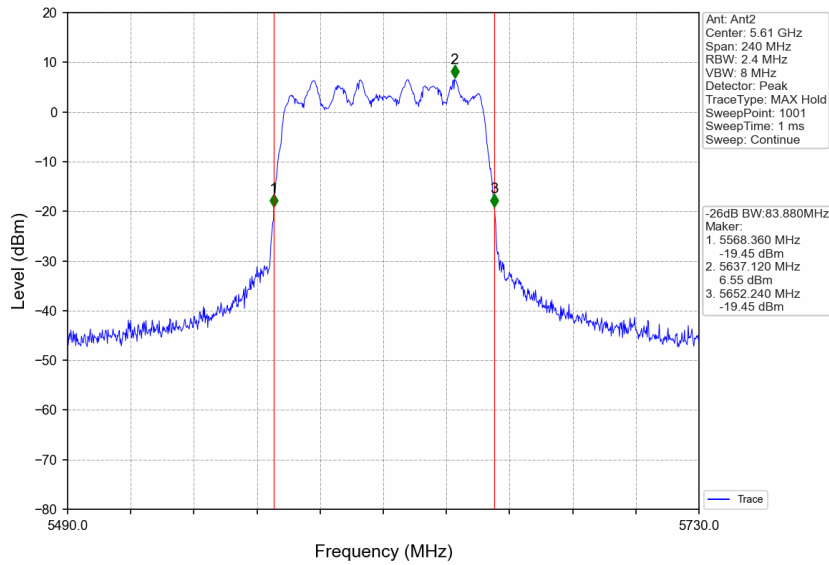
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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV

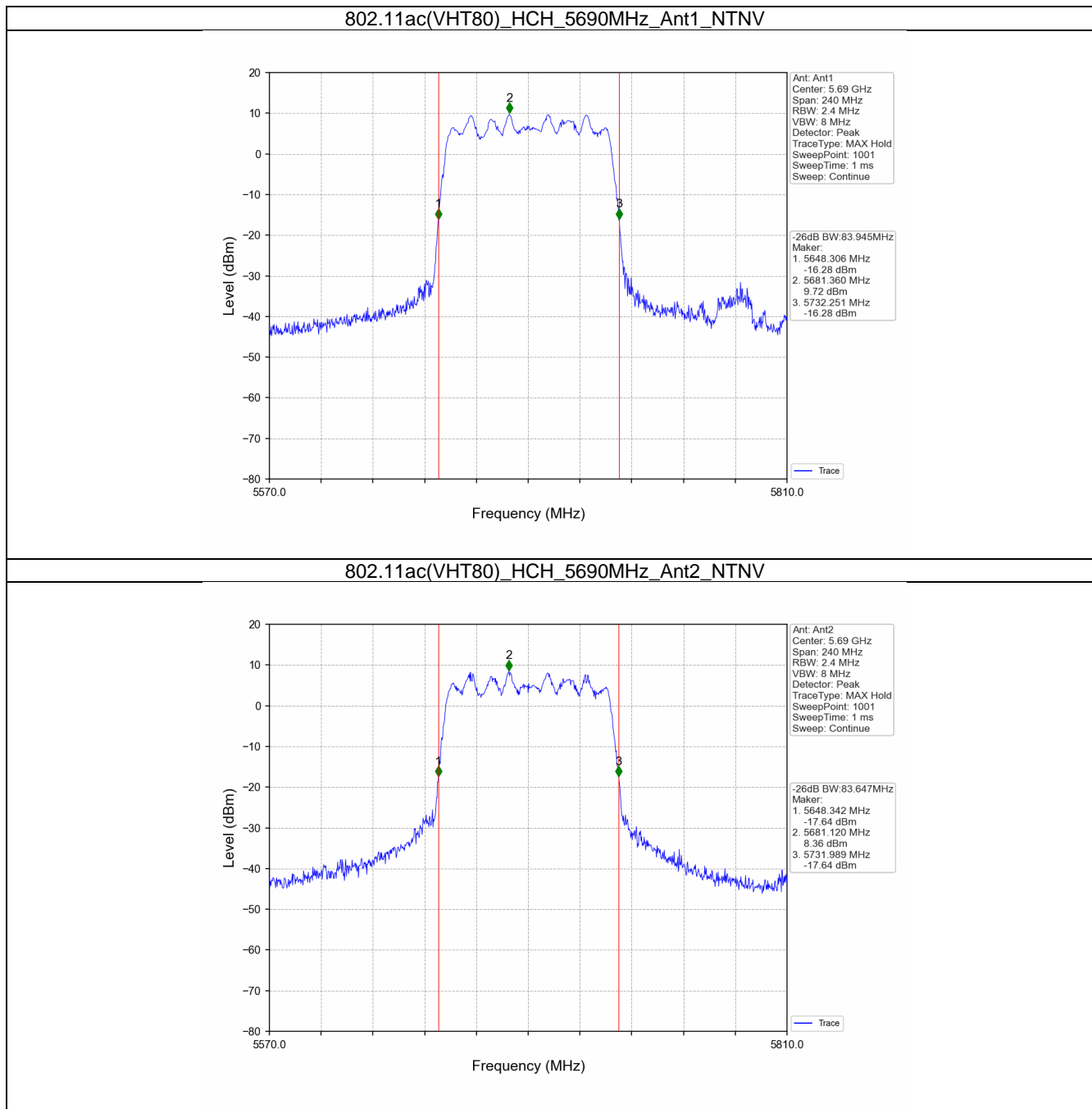


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3. Maximum Conducted Output Power

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	8.62	9.50	/	<=30.00	Pass
		5200	8.67	8.17	/	<=30.00	Pass
		5240	9.20	8.69	/	<=30.00	Pass
		5260	9.72	10.07	/	<=20.98	Pass
		5300	9.40	8.84	/	<=20.98	Pass
		5320	9.69	8.99	/	<=20.98	Pass
		5500	6.57	8.24	/	<=20.98	Pass
		5580	8.94	8.52	/	<=20.98	Pass
		5700	10.62	10.05	/	<=20.98	Pass
		5745	3.21	9.90	/	<=30.00	Pass
		5785	9.96	9.65	/	<=30.00	Pass
		5825	5.96	8.86	/	<=30.00	Pass
		5720 (Total)	11.01	10.04	/	/	/
		5720 (U-NII-2C)	9.99	9.02	/	<=20.98	Pass
5720 (U-NII-3)	4.22	3.24	/	<=30.00	Pass		
802.11n (HT20)	MIMO	5180	9.08	8.15	11.65	<=30.00	Pass
		5200	9.45	8.87	12.18	<=30.00	Pass
		5240	8.60	8.09	11.36	<=30.00	Pass
		5260	10.30	7.76	12.22	<=20.98	Pass
		5300	10.11	9.32	12.74	<=20.98	Pass
		5320	10.48	9.56	13.05	<=20.98	Pass
		5500	9.14	8.46	11.82	<=20.98	Pass
		5580	9.91	9.69	12.81	<=20.98	Pass
		5700	11.52	10.48	14.04	<=20.98	Pass
		5745	11.54	8.83	13.40	<=30.00	Pass
		5785	10.98	9.00	13.11	<=30.00	Pass
		5825	10.66	8.57	12.75	<=30.00	Pass
		5720 (Total)	11.92	10.83	14.42	/	/
		5720 (U-NII-2C)	10.82	9.73	13.32	<=20.98	Pass
5720 (U-NII-3)	5.43	4.33	7.93	<=30.00	Pass		
802.11n (HT40)	MIMO	5190	10.13	9.40	12.79	<=30.00	Pass
		5230	9.75	9.29	12.54	<=30.00	Pass
		5270	9.86	9.10	12.51	<=20.98	Pass
		5310	10.00	9.26	12.66	<=20.98	Pass
		5510	9.31	8.20	11.80	<=20.98	Pass
		5550	9.34	9.05	12.21	<=20.98	Pass
		5670	11.12	9.87	13.55	<=20.98	Pass
		5755	10.94	8.55	12.92	<=30.00	Pass
		5795	10.47	8.63	12.66	<=30.00	Pass
		5710 (Total)	12.32	10.49	14.51	/	/
		5710 (U-NII-2C)	11.89	10.060	14.08	<=20.98	Pass
		5710 (U-NII-3)	2.1	0.260	4.29	<=30.00	Pass

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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

802.11ac (VHT20)	MIMO	5180	5.83	6.62	9.25	<=30.00	Pass
		5200	7.40	7.05	10.24	<=30.00	Pass
		5240	8.49	8.11	11.31	<=30.00	Pass
		5260	11.30	1.15	11.70	<=20.98	Pass
		5300	10.73	9.20	13.04	<=20.98	Pass
		5320	10.94	9.49	13.29	<=20.98	Pass
		5500	10.01	8.04	12.15	<=20.98	Pass
		5580	10.60	9.43	13.06	<=20.98	Pass
		5700	12.10	10.42	14.35	<=20.98	Pass
		5745	12.44	8.71	13.97	<=30.00	Pass
		5785	11.79	9.04	13.64	<=30.00	Pass
		5825	11.98	8.63	13.63	<=30.00	Pass
		5720 (Total)	11.60	10.73	14.20	/	/
5720 (U-NII-2C)	10.5	9.630	13.10	<=20.98	Pass		
5720 (U-NII-3)	5.11	4.240	7.71	<=30.00	Pass		
802.11ac (VHT40)	MIMO	5190	10.05	9.36	12.73	<=30.00	Pass
		5230	10.04	9.43	12.76	<=30.00	Pass
		5270	10.29	9.15	12.77	<=20.98	Pass
		5310	10.21	7.48	12.07	<=20.98	Pass
		5510	9.81	8.37	12.16	<=20.98	Pass
		5550	9.87	9.25	12.58	<=20.98	Pass
		5670	11.70	10.27	14.05	<=20.98	Pass
		5755	11.49	8.70	13.33	<=30.00	Pass
		5795	11.11	8.95	13.17	<=30.00	Pass
		5710 (Total)	11.83	10.49	14.22	/	/
		5710 (U-NII-2C)	11.39	10.060	13.79	<=20.98	Pass
5710 (U-NII-3)	1.62	0.280	4.01	<=30.00	Pass		
802.11ac (VHT80)	MIMO	5210	9.26	7.81	11.61	<=30.00	Pass
		5290	9.11	5.09	10.56	<=20.98	Pass
		5530	8.82	7.46	11.20	<=20.98	Pass
		5610	8.99	8.71	11.86	<=20.98	Pass
		5775	6.51	7.56	10.08	<=30.00	Pass
		5690 (Total)	11.75	10.31	14.10	/	/
		5690 (U-NII-2C)	11.58	10.14	13.93	<=20.98	Pass
5690 (U-NII-3)	-2.35	-3.85	-0.03	<=30.00	Pass		
<p>Note1: Antenna Gain: Ant1: 9.00dBi; Ant2: 9.00dBi; Note2: The antenna of the EUT is cross-polarized, so the Directional Gain: 9dBi; Note3: For Frequencies falling in U-NII-2C and U-NII-3 bands, the Total power = $10 \cdot \log[10^{(\text{Power U-NII-2C}/10)} + 10^{(\text{Power U-NII-3}/10)}]$.</p>							



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3.2 EIRP

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5260	18.72	19.07	/	<=29.51	Pass
		5300	18.40	17.84	/	<=29.52	Pass
		5320	18.69	17.99	/	<=29.52	Pass
		5500	15.57	17.24	/	<=29.53	Pass
		5580	17.94	17.52	/	<=29.52	Pass
		5700	19.62	19.05	/	<=29.52	Pass
		5720	20.01	19.04	/	<=29.52	Pass
		5745	12.21	18.90	/	/	Pass
		5785	18.96	18.65	/	/	Pass
802.11n (HT20)	MIMO	5260	19.30	16.76	21.22	<=29.58	Pass
		5300	19.11	18.32	21.74	<=29.57	Pass
		5320	19.48	18.56	22.05	<=29.58	Pass
		5500	18.14	17.46	20.82	<=29.58	Pass
		5580	18.91	18.69	21.81	<=29.58	Pass
		5700	20.52	19.48	23.04	<=29.58	Pass
		5700	20.92	19.83	23.42	<=29.58	Pass
		5745	20.54	17.83	22.40	/	Pass
		5785	19.98	18.00	22.11	/	Pass
802.11n (HT40)	MIMO	5270	18.86	18.10	21.51	<=30	Pass
		5310	19.00	18.26	21.66	<=30	Pass
		5510	18.31	17.20	20.80	<=30	Pass
		5550	18.34	18.05	21.21	<=30	Pass
		5670	20.12	18.87	22.55	<=30	Pass
		5710	21.32	19.49	23.51	<=30	Pass
		5755	19.94	17.55	21.92	/	Pass
		5795	19.47	17.63	21.66	/	Pass
802.11ac (VHT20)	MIMO	5260	20.30	10.15	20.70	<=29.3	Pass
		5300	19.73	18.20	22.04	<=29.58	Pass
		5320	19.94	18.49	22.29	<=29.59	Pass
		5500	19.01	17.04	21.15	<=29.59	Pass
		5580	19.60	18.43	22.06	<=29.59	Pass
		5700	21.10	19.42	23.35	<=29.58	Pass
		5720	20.6	19.73	23.20	<=29.58	Pass
		5745	21.44	17.71	22.97	/	Pass
		5785	20.79	18.04	22.64	/	Pass
802.11ac (VHT40)	MIMO	5270	19.29	18.15	21.77	<=30	Pass
		5310	19.21	16.48	21.07	<=30	Pass
		5510	18.81	17.37	21.16	<=30	Pass
		5550	18.87	18.25	21.58	<=30	Pass
		5670	20.70	19.27	23.05	<=30	Pass
		5710	20.82	19.49	23.22	<=30	Pass
		5755	20.49	17.70	22.33	/	Pass
		5795	20.11	17.95	22.17	/	Pass

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