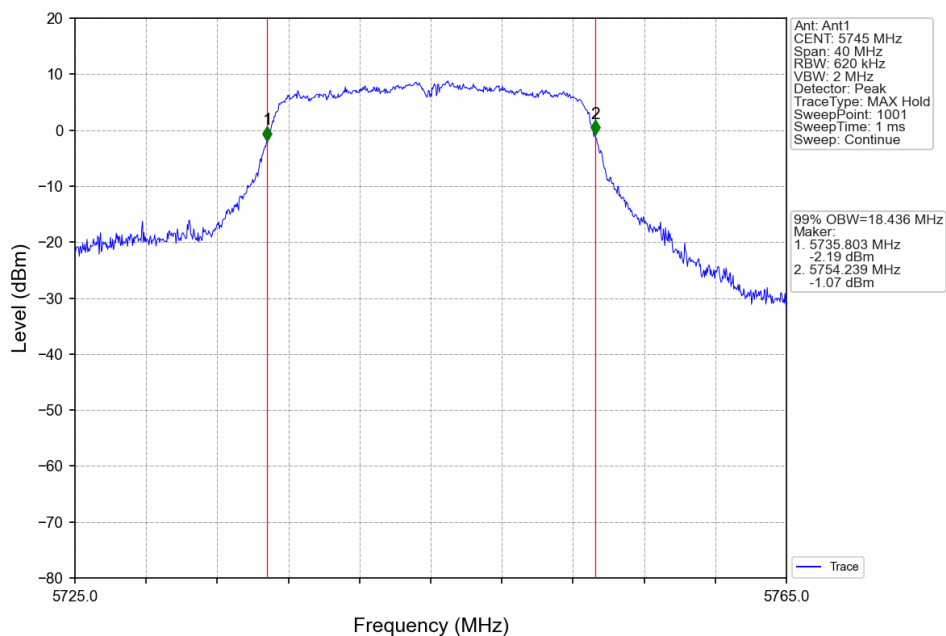
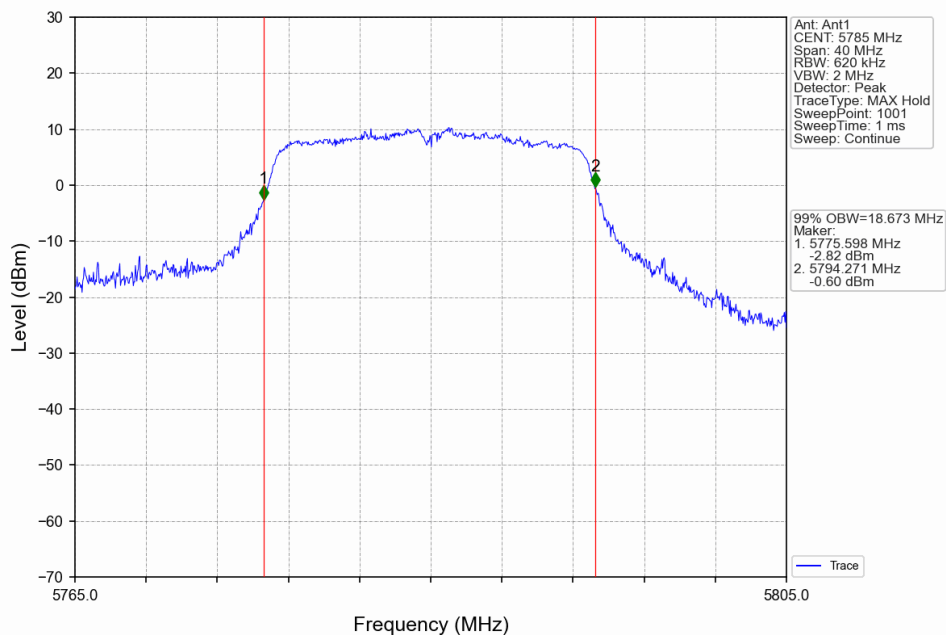


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



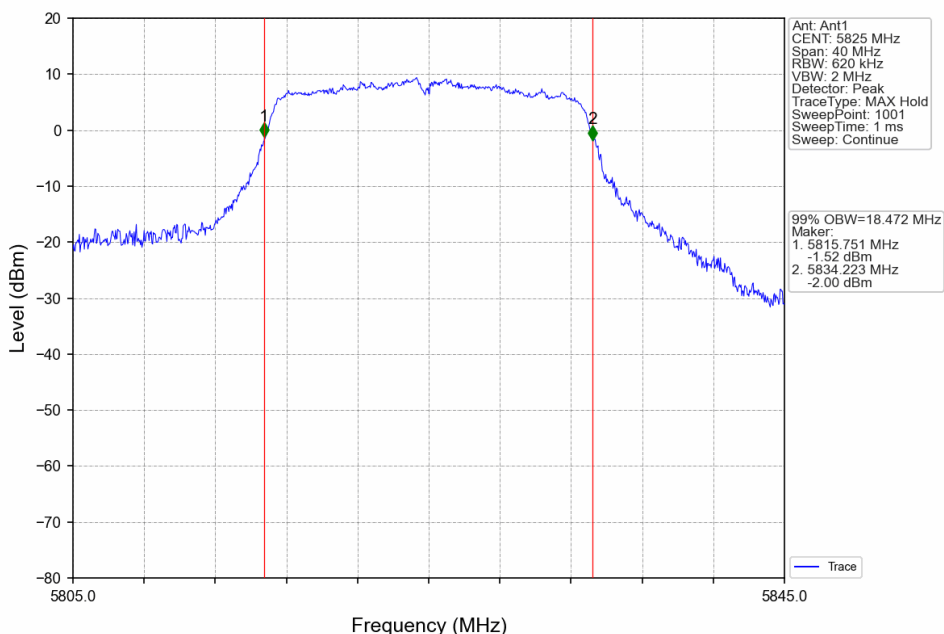
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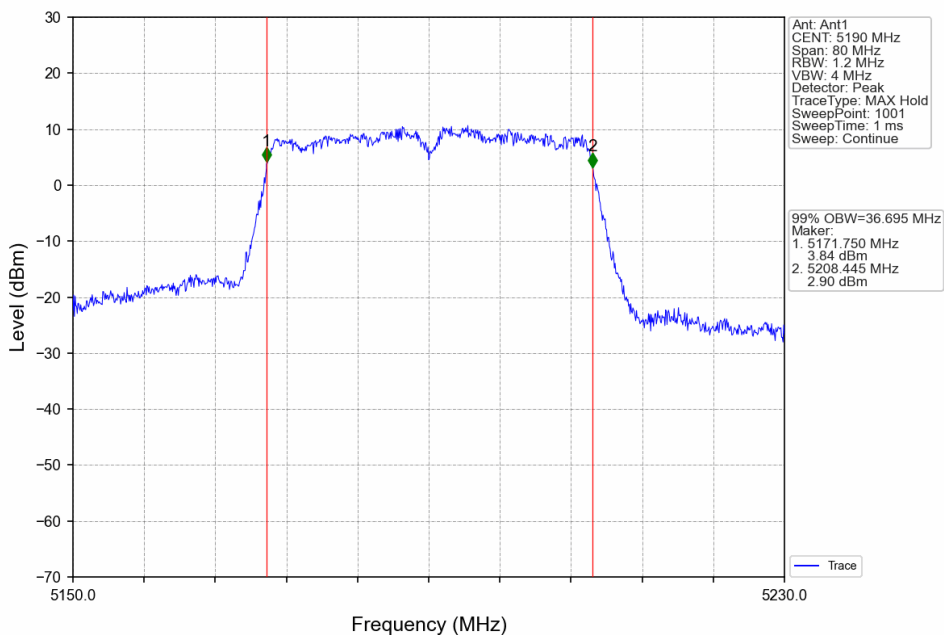
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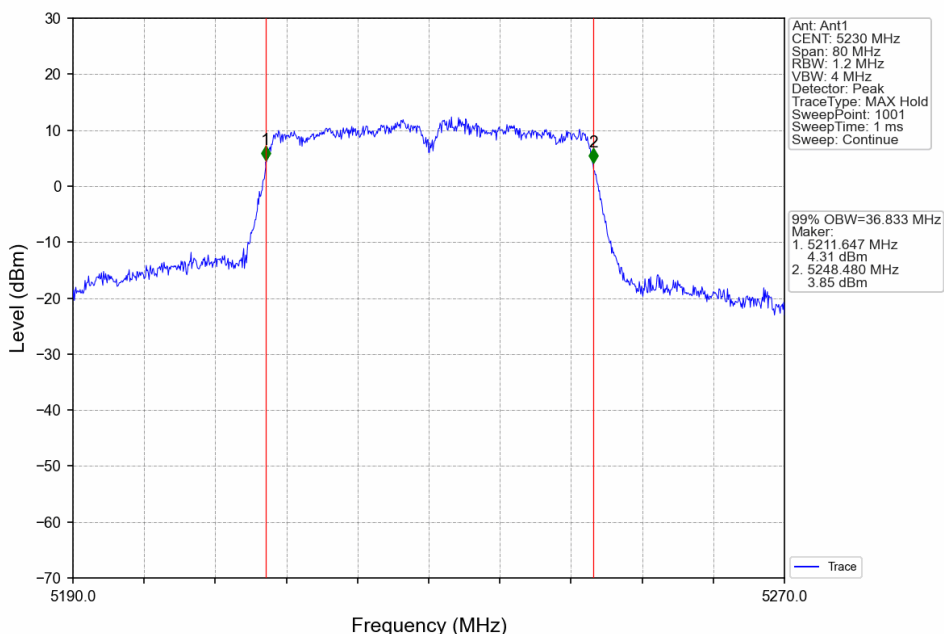
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



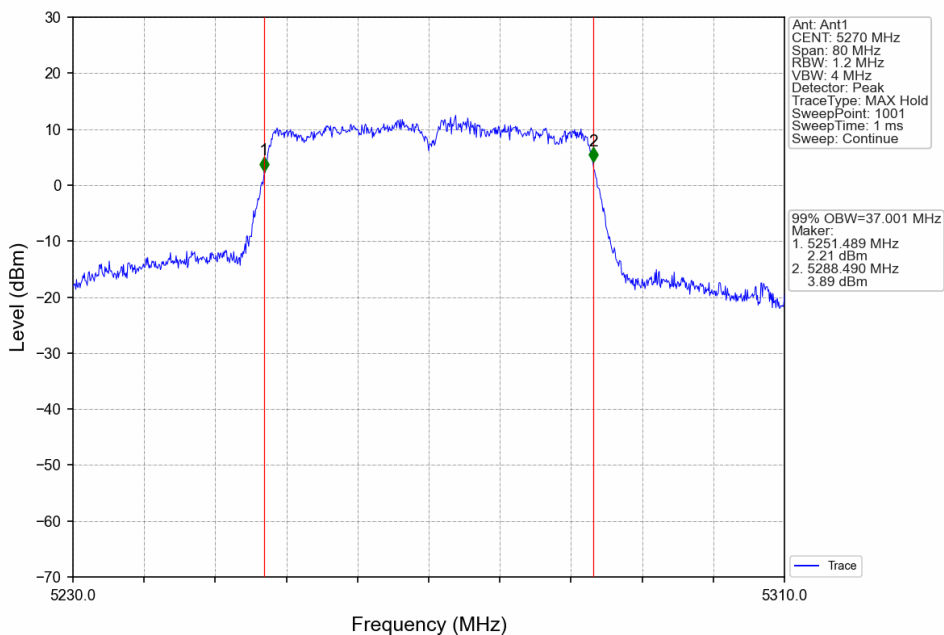
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



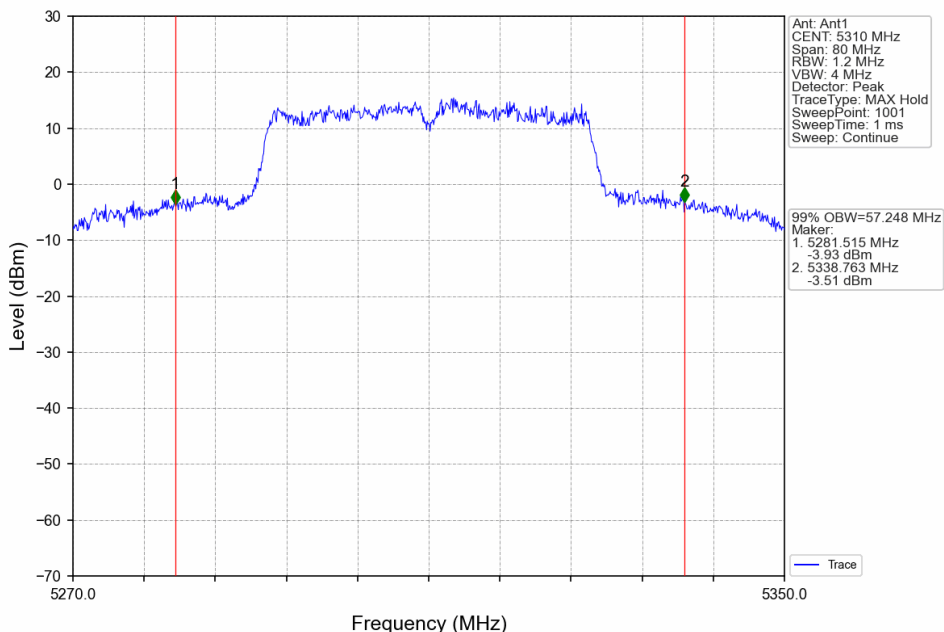
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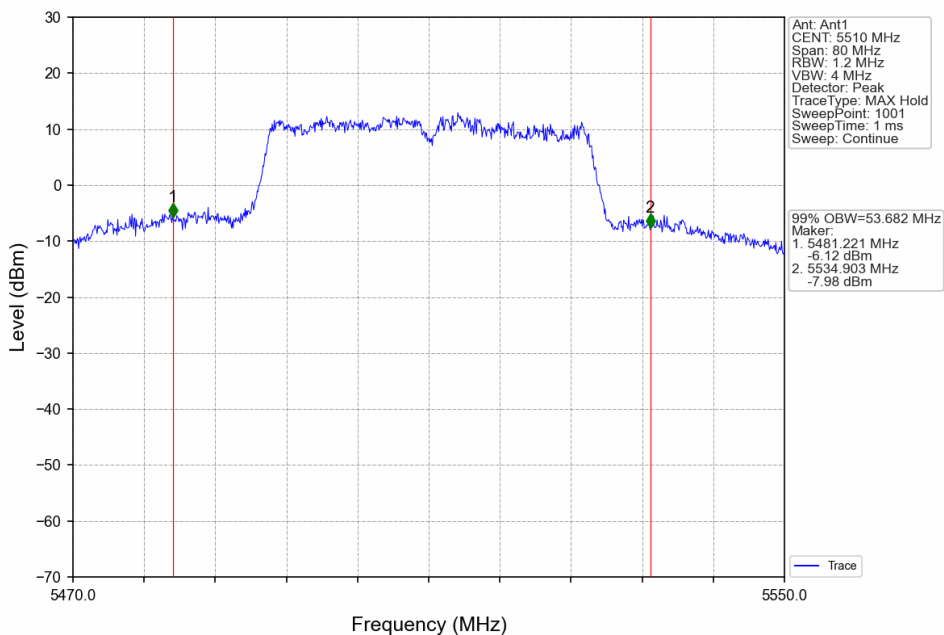
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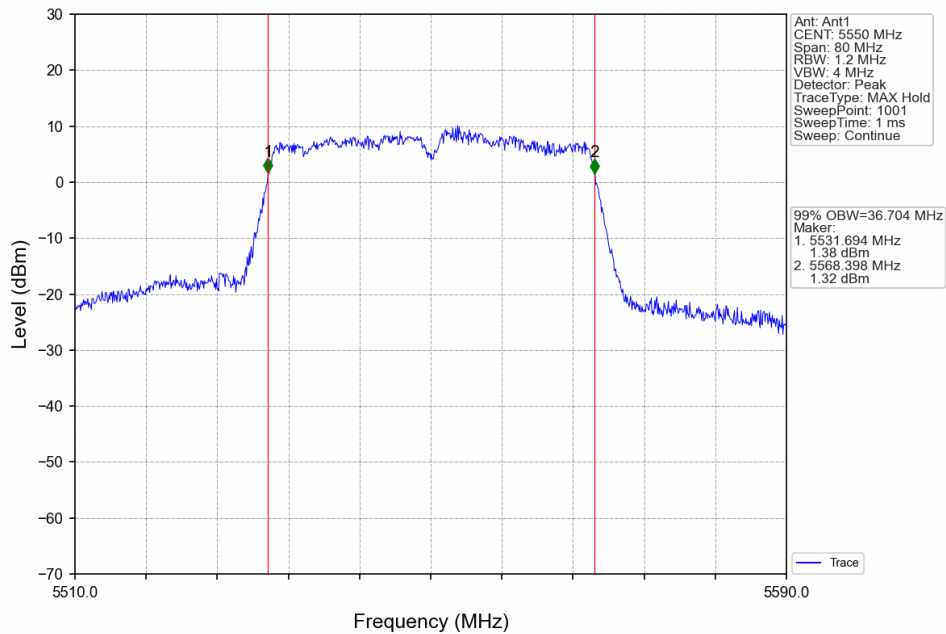
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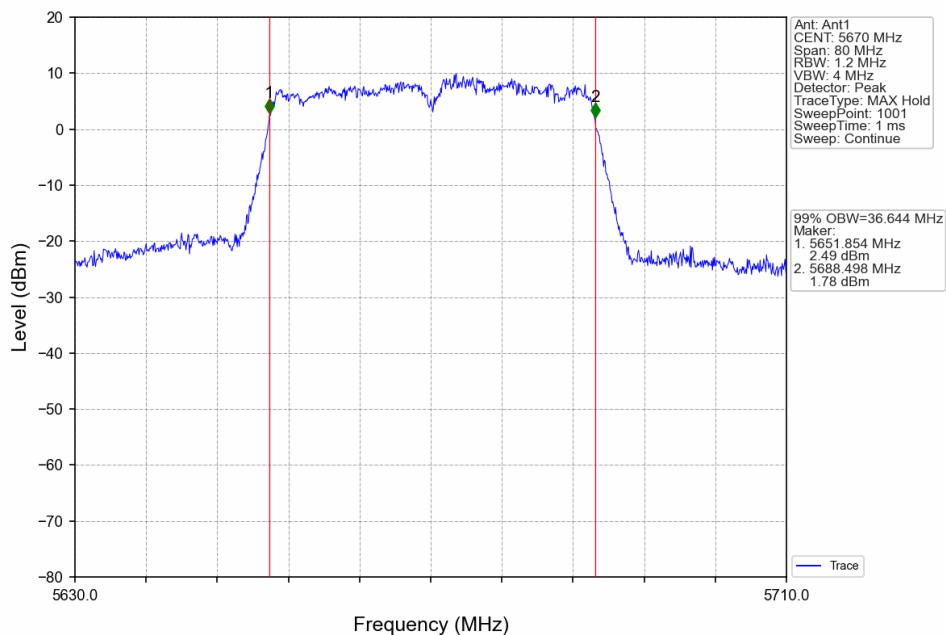
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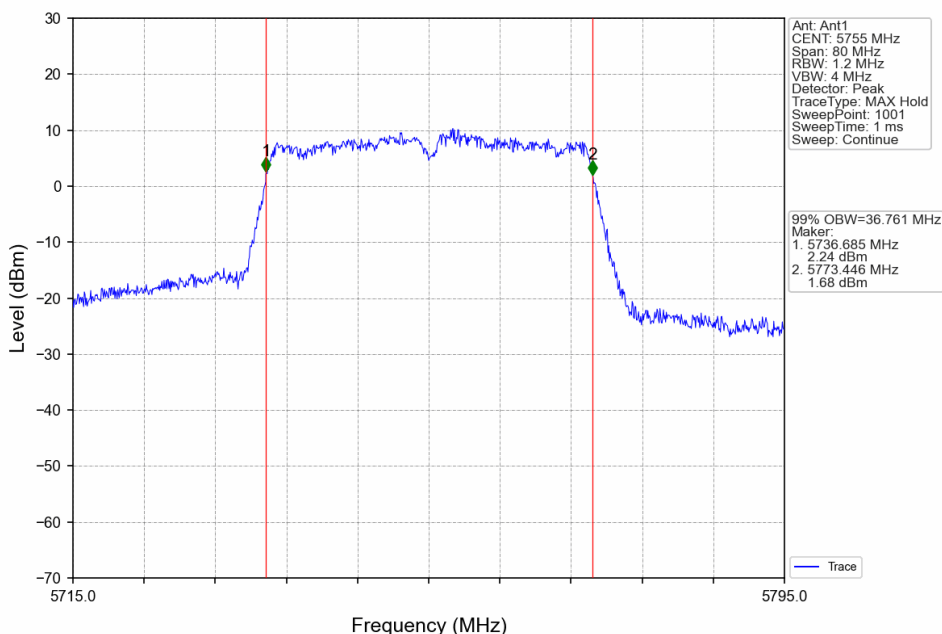
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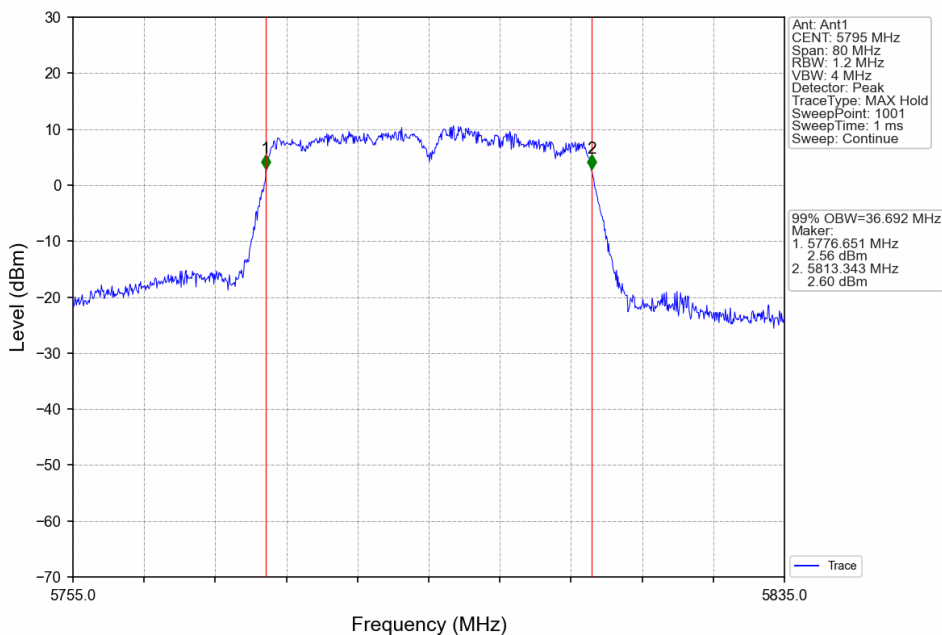
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



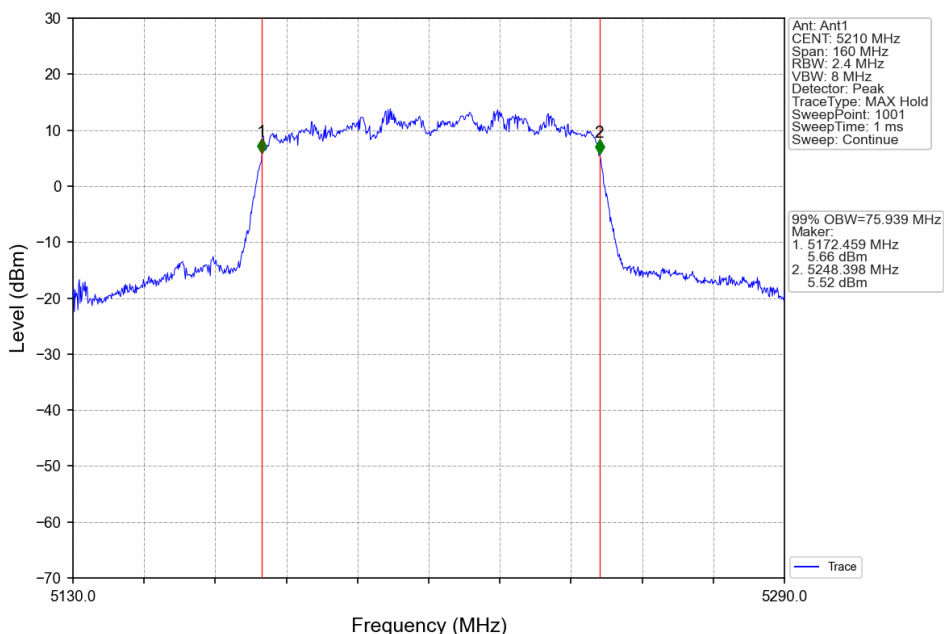
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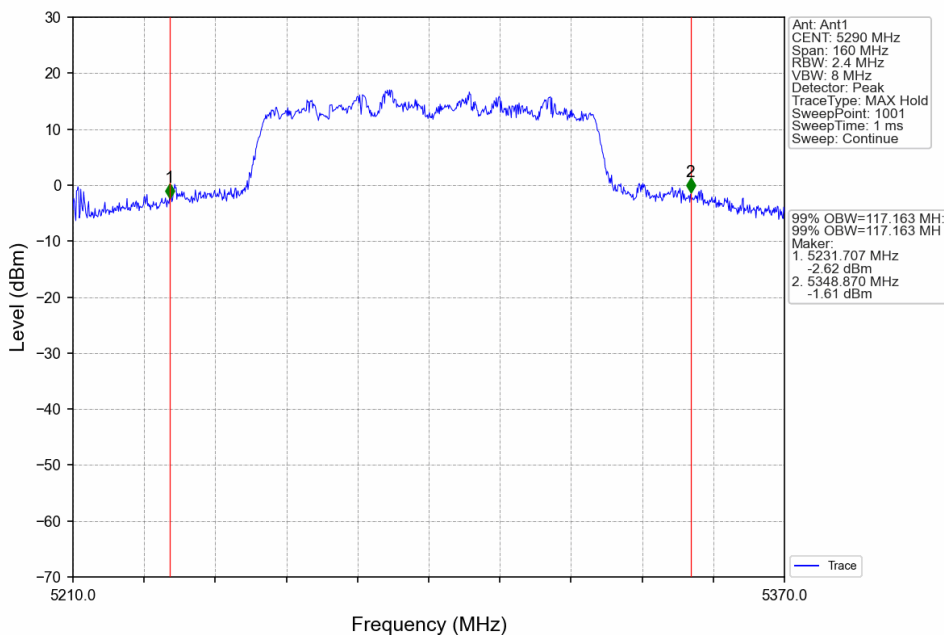
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



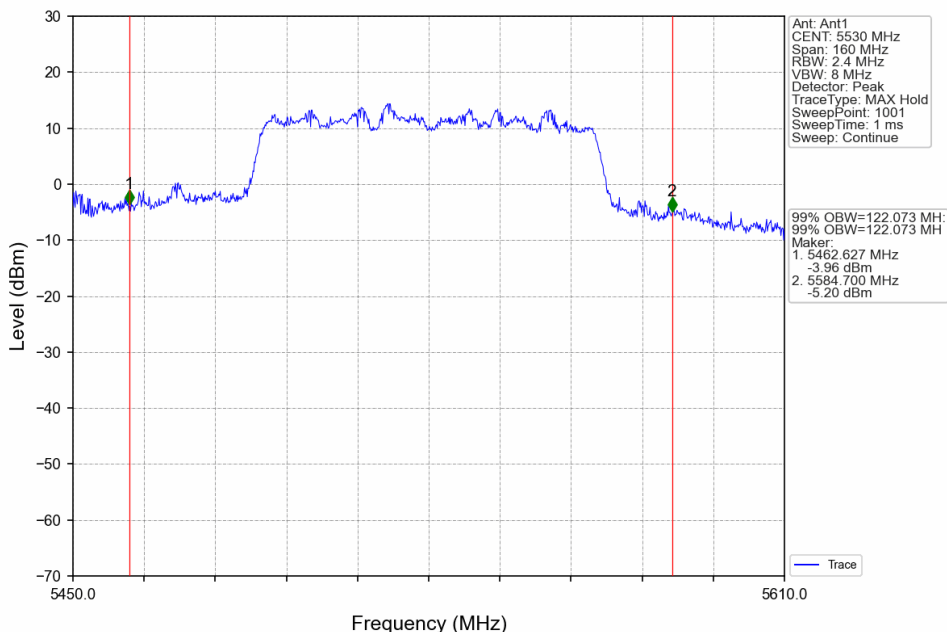
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



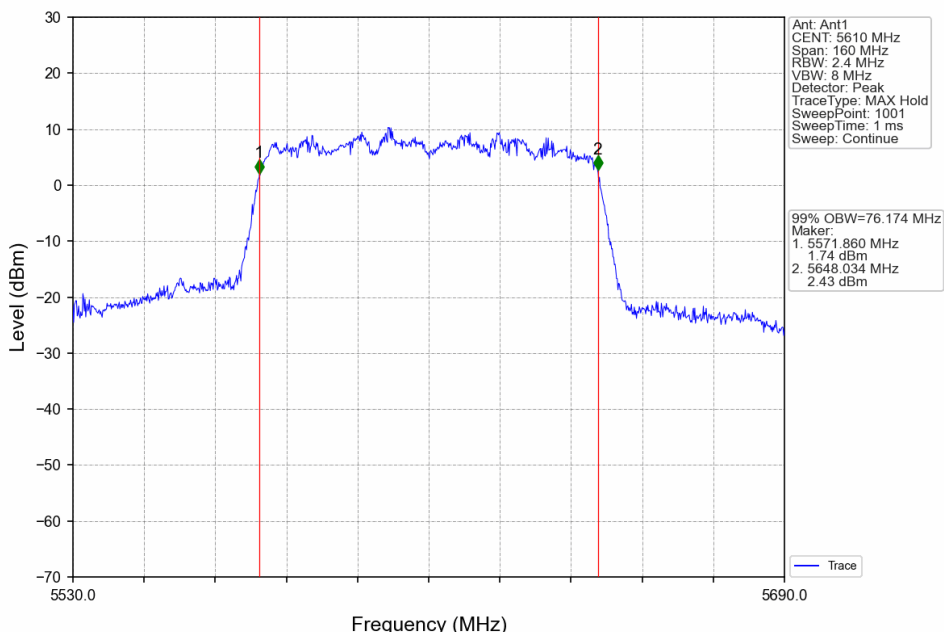
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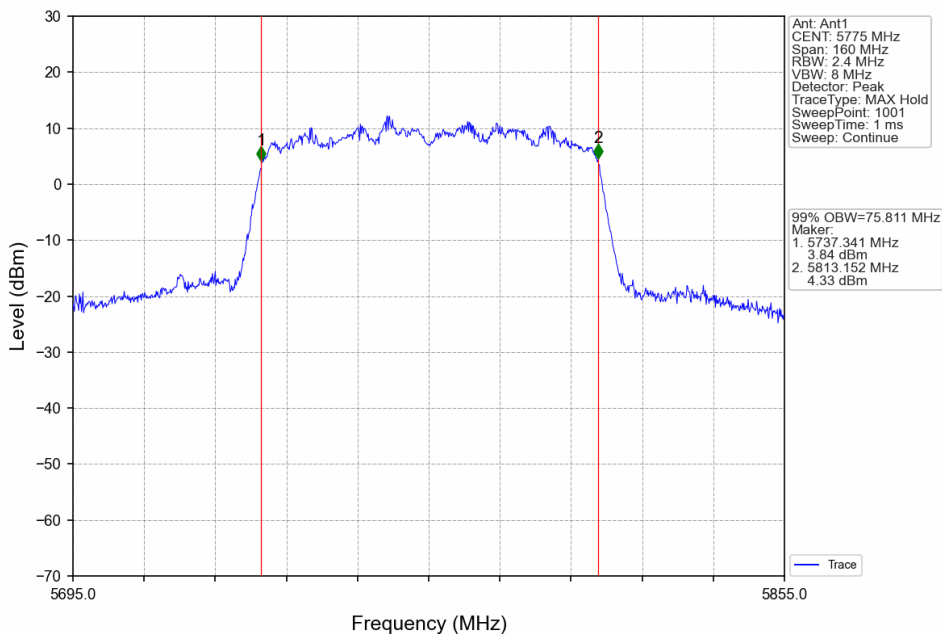
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



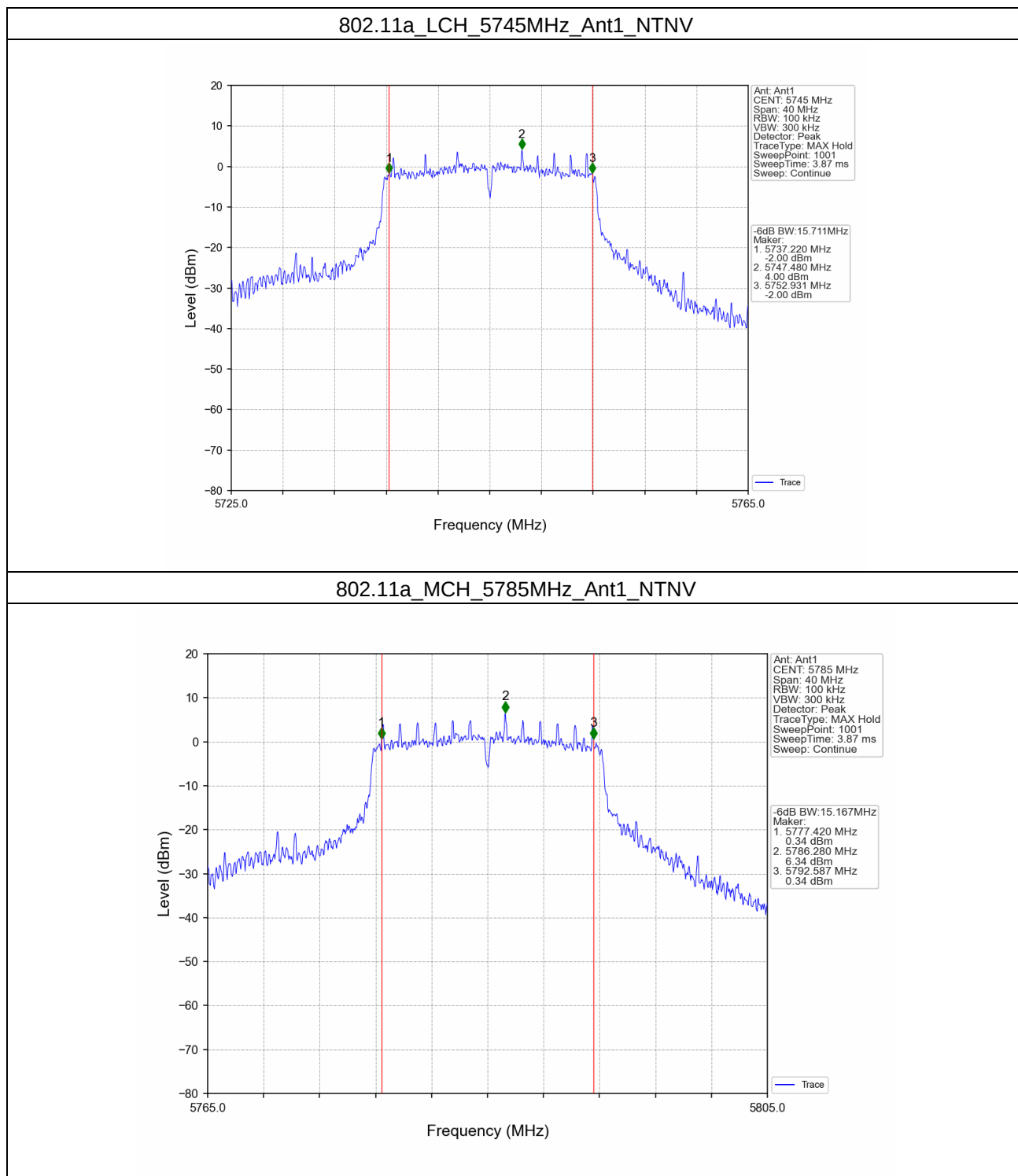
2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	MIMO	5745	1	15.711	≥ 0.5	Pass
		5785	1	15.167	≥ 0.5	Pass
		5825	1	15.434	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	15.190	≥ 0.5	Pass
		5785	1	15.150	≥ 0.5	Pass
		5825	1	15.180	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.200	≥ 0.5	Pass
		5795	1	35.187	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	15.168	≥ 0.5	Pass
		5785	1	15.444	≥ 0.5	Pass
		5825	1	15.091	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.201	≥ 0.5	Pass
		5795	1	35.195	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.149	≥ 0.5	Pass



2.2.2 Test Graph



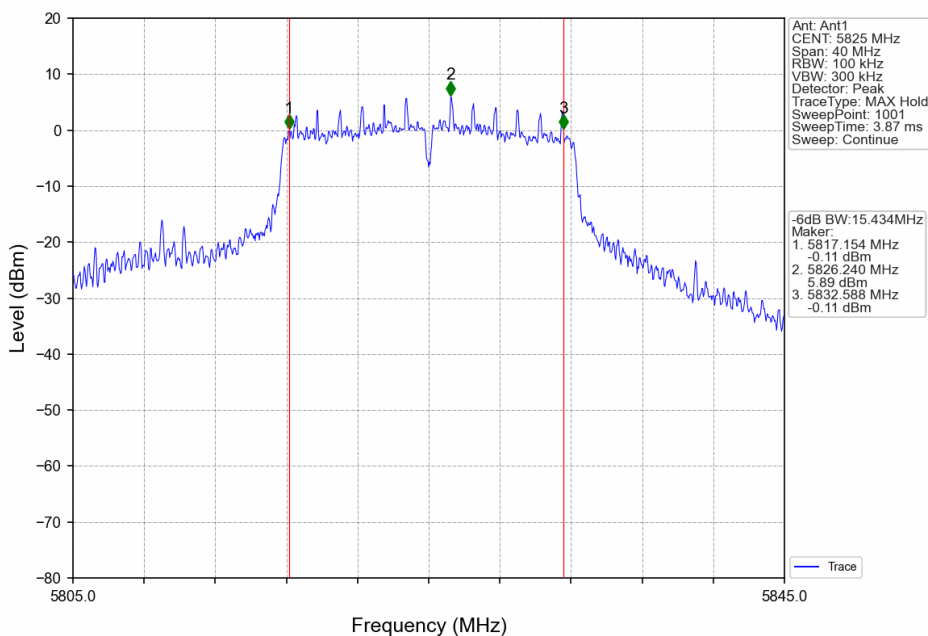
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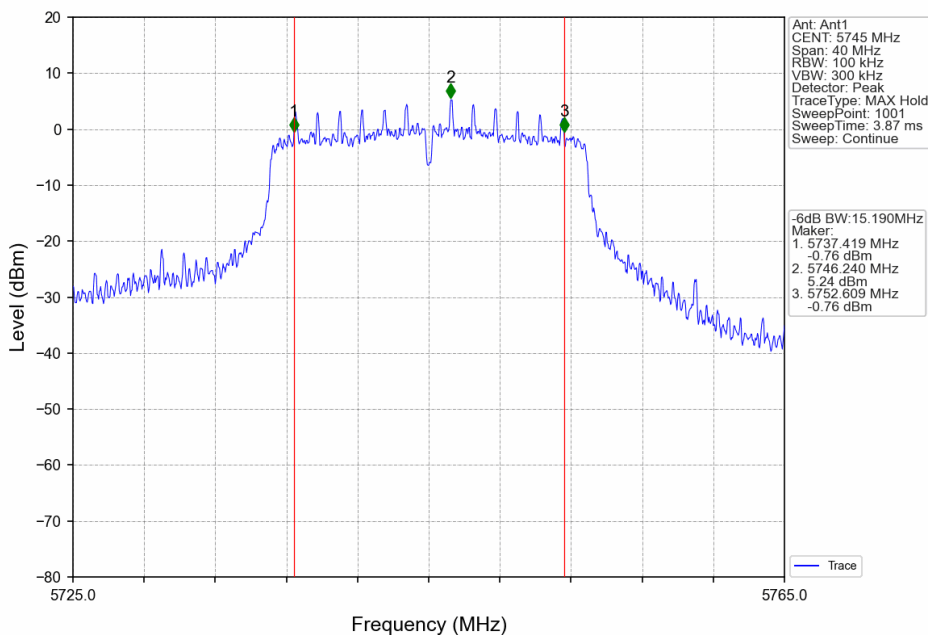
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



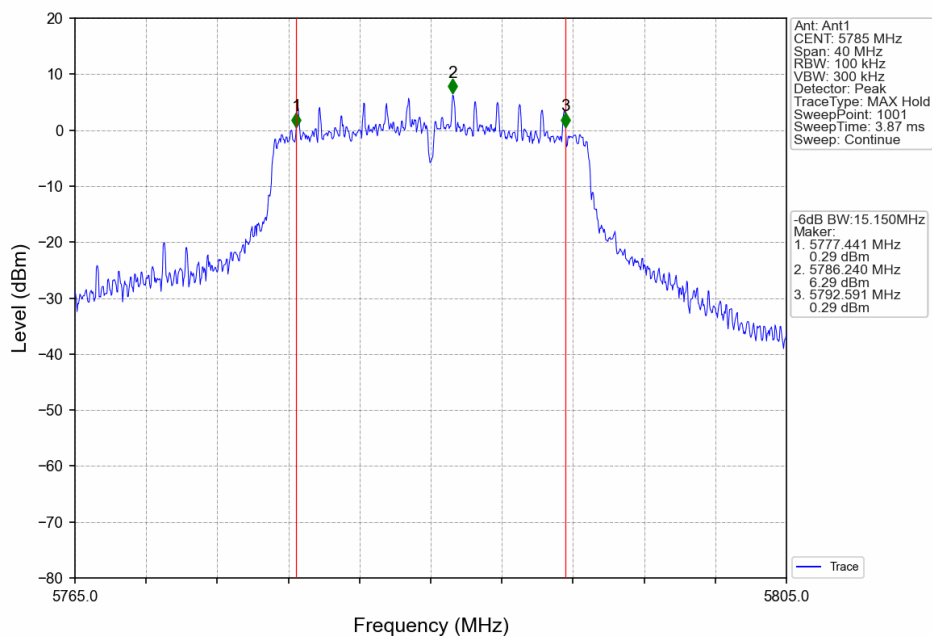
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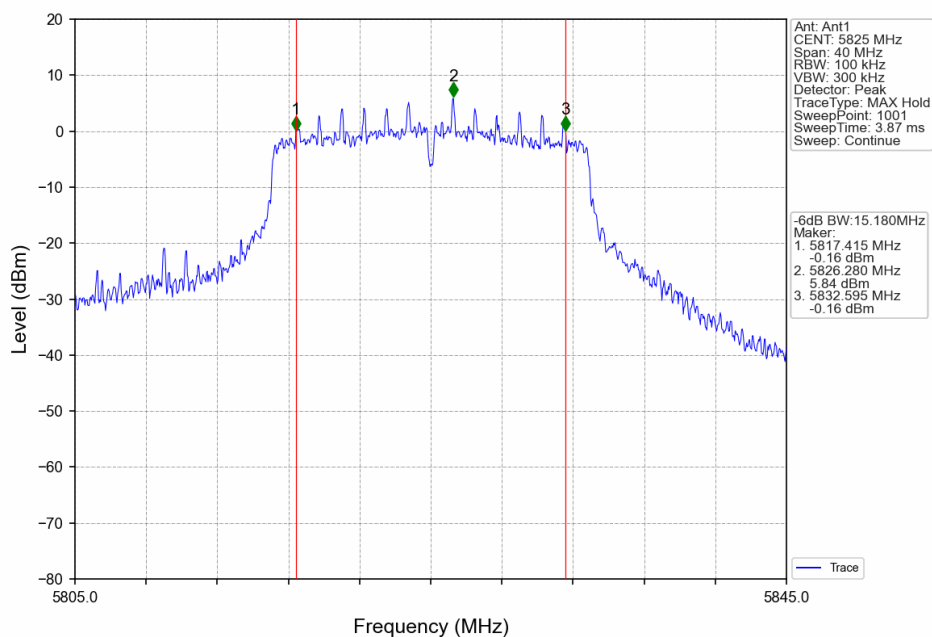
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

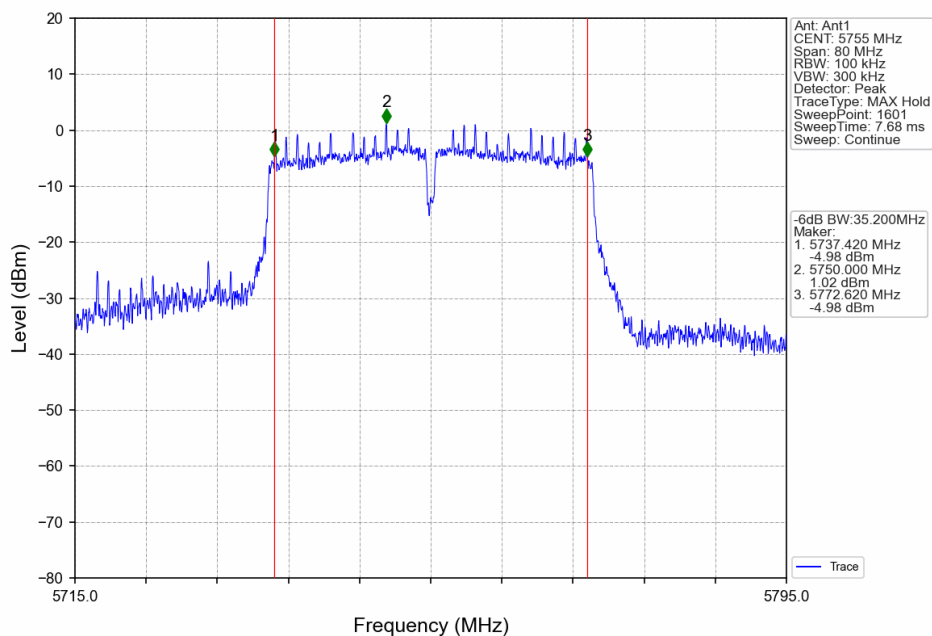


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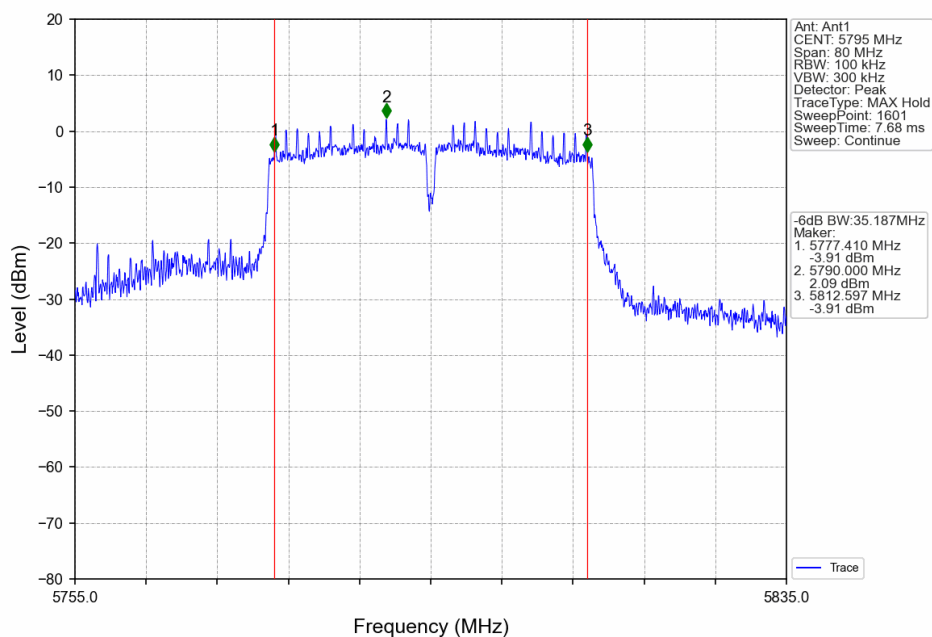
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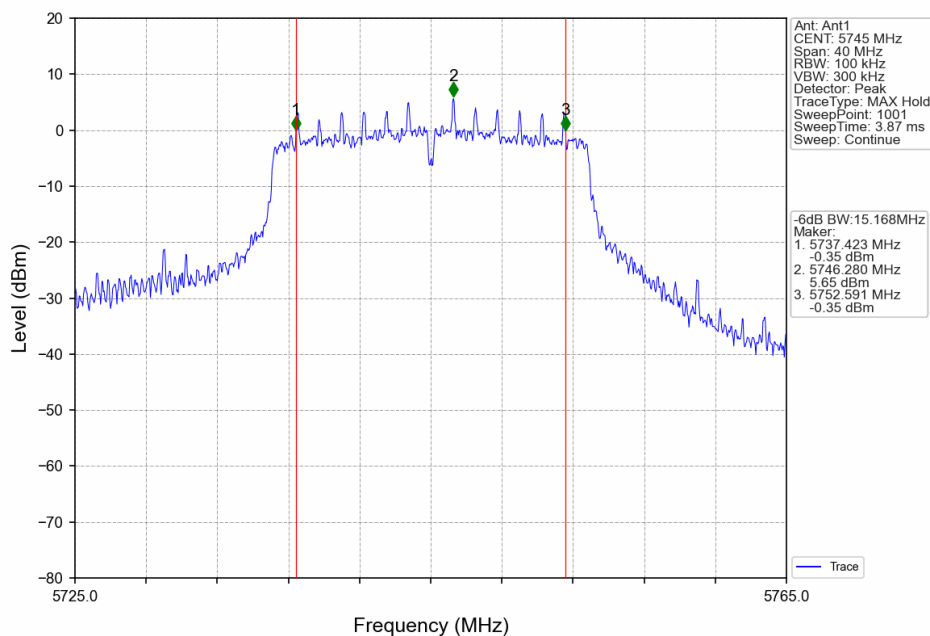
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



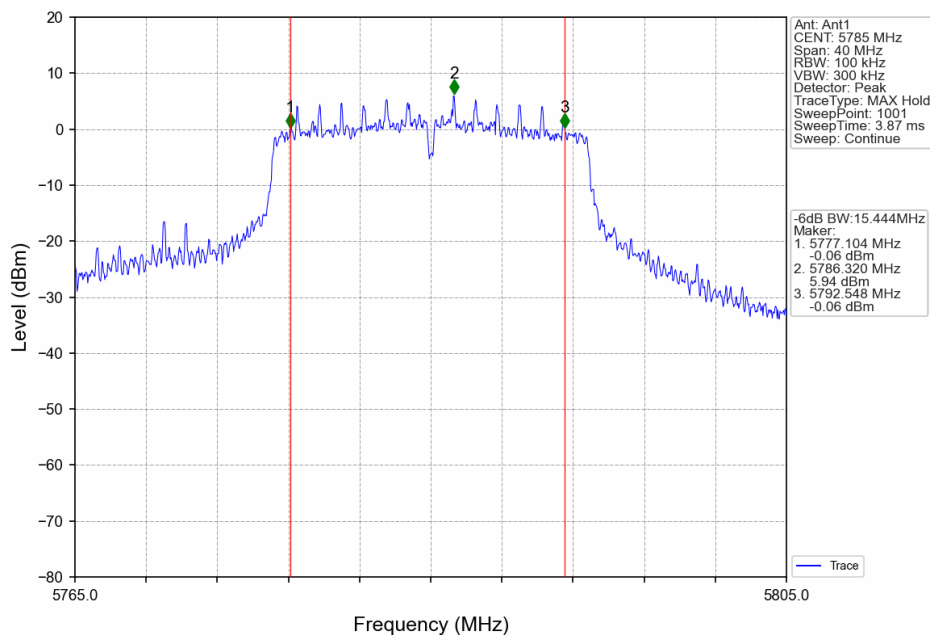
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



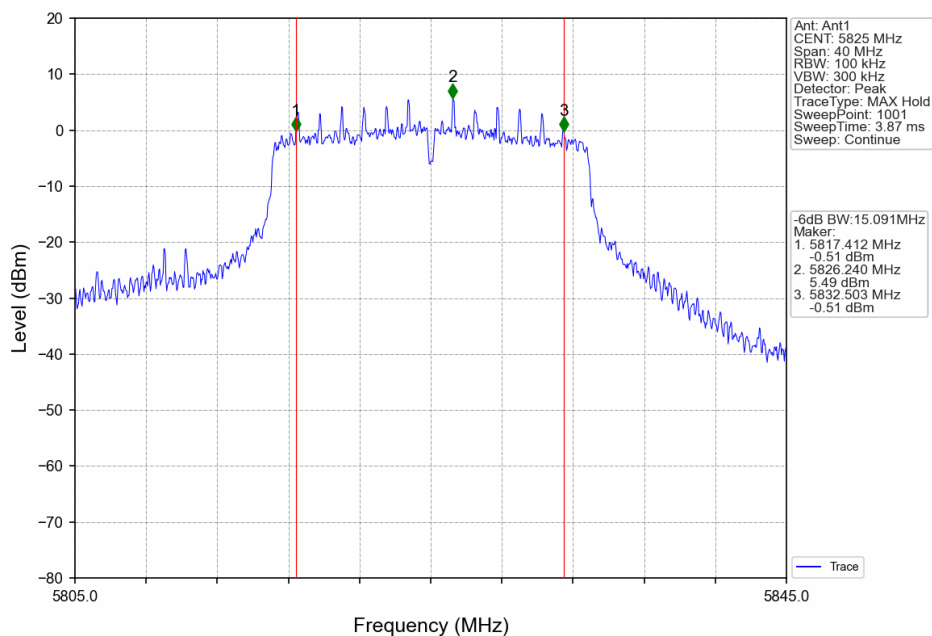
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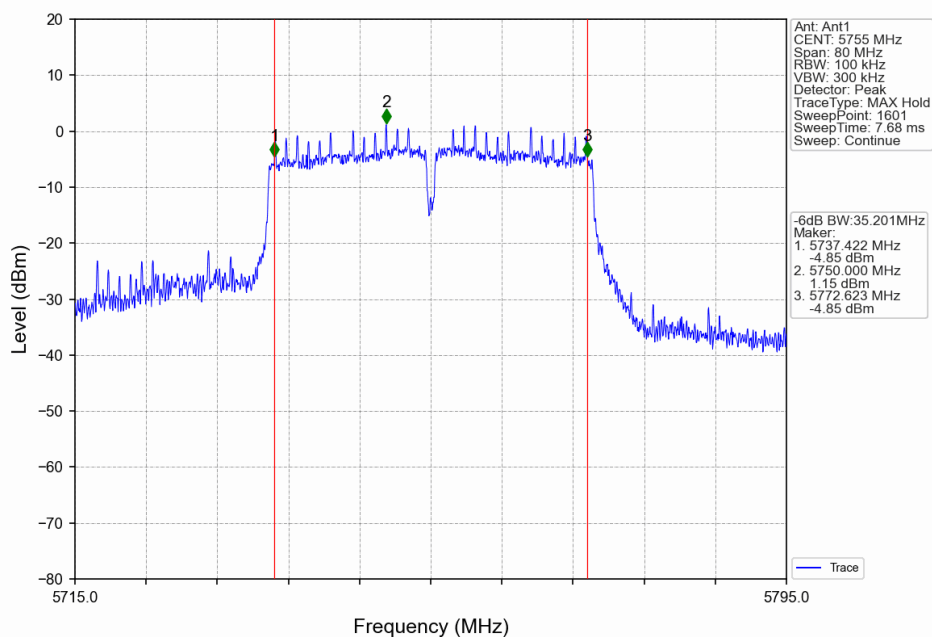
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



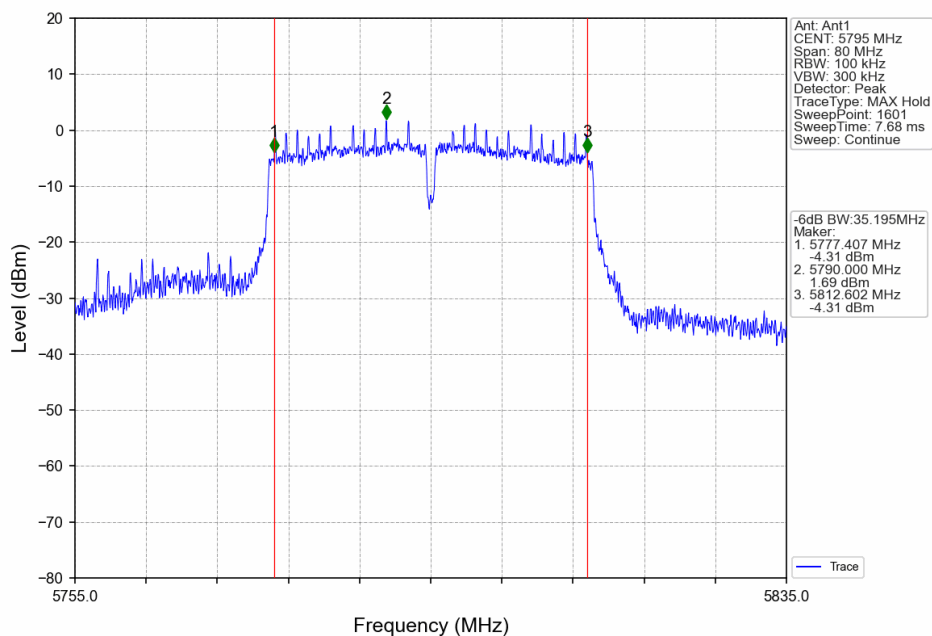
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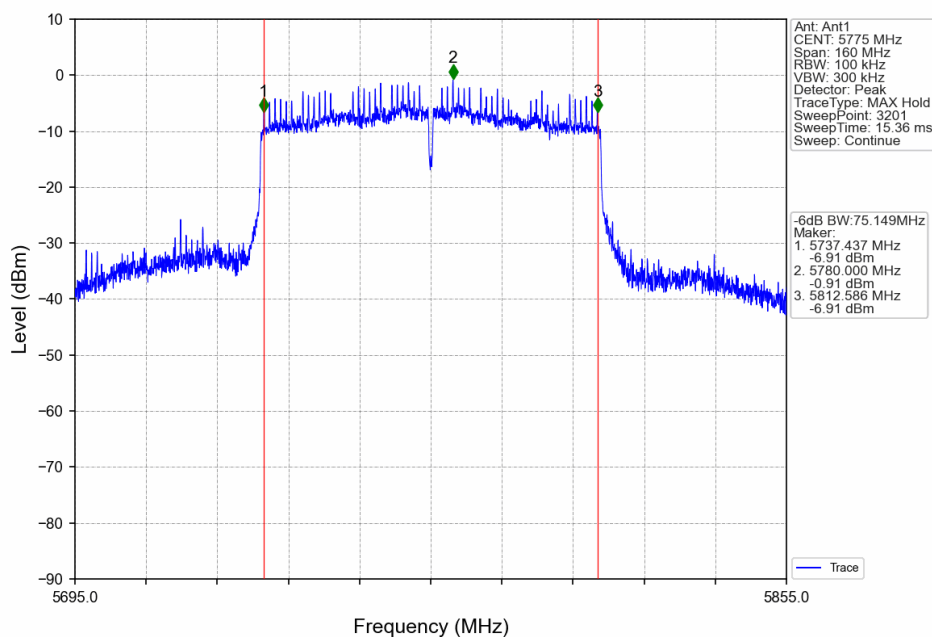
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	MIMO	5180	1	32.587	/	Pass
		5200	1	32.526	/	Pass
		5240	1	37.698	/	Pass
		5260	1	36.783	/	Pass
		5300	1	38.041	/	Pass
		5320	1	33.627	/	Pass
		5500	1	28.608	/	Pass
		5580	1	25.624	/	Pass
802.11n (HT20)	MIMO	5700	1	21.171	/	Pass
		5180	1	30.066	/	Pass
		5200	1	31.415	/	Pass
		5240	1	30.926	/	Pass
		5260	1	40.279	/	Pass
		5300	1	35.765	/	Pass
		5320	1	34.056	/	Pass
		5500	1	41.932	/	Pass
802.11n (HT40)	MIMO	5580	1	21.581	/	Pass
		5700	1	26.208	/	Pass
		5190	1	59.079	/	Pass
		5230	1	57.625	/	Pass
		5270	1	59.440	/	Pass
		5310	1	99.015	/	Pass
		5510	1	71.778	/	Pass
		5550	1	58.853	/	Pass
802.11ac (VHT20)	MIMO	5670	1	51.103	/	Pass
		5180	1	30.018	/	Pass
		5200	1	30.865	/	Pass
		5240	1	30.031	/	Pass
		5260	1	41.429	/	Pass
		5300	1	35.720	/	Pass
		5320	1	32.273	/	Pass
		5500	1	41.581	/	Pass
		5580	1	25.995	/	Pass



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SZEMC-TRF-01 Rev. A/1

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		5700	1	21.773	/	Pass
802.11ac (VHT40)	MIMO	5190	1	49.068	/	Pass
		5230	1	59.676	/	Pass
		5270	1	59.604	/	Pass
		5310	1	99.346	/	Pass
		5510	1	98.549	/	Pass
		5550	1	54.063	/	Pass
		5670	1	44.237	/	Pass
802.11ac (VHT80)	MIMO	5210	1	105.179	/	Pass
		5290	1	202.670	/	Pass
		5530	1	219.053	/	Pass
		5610	1	101.058	/	Pass



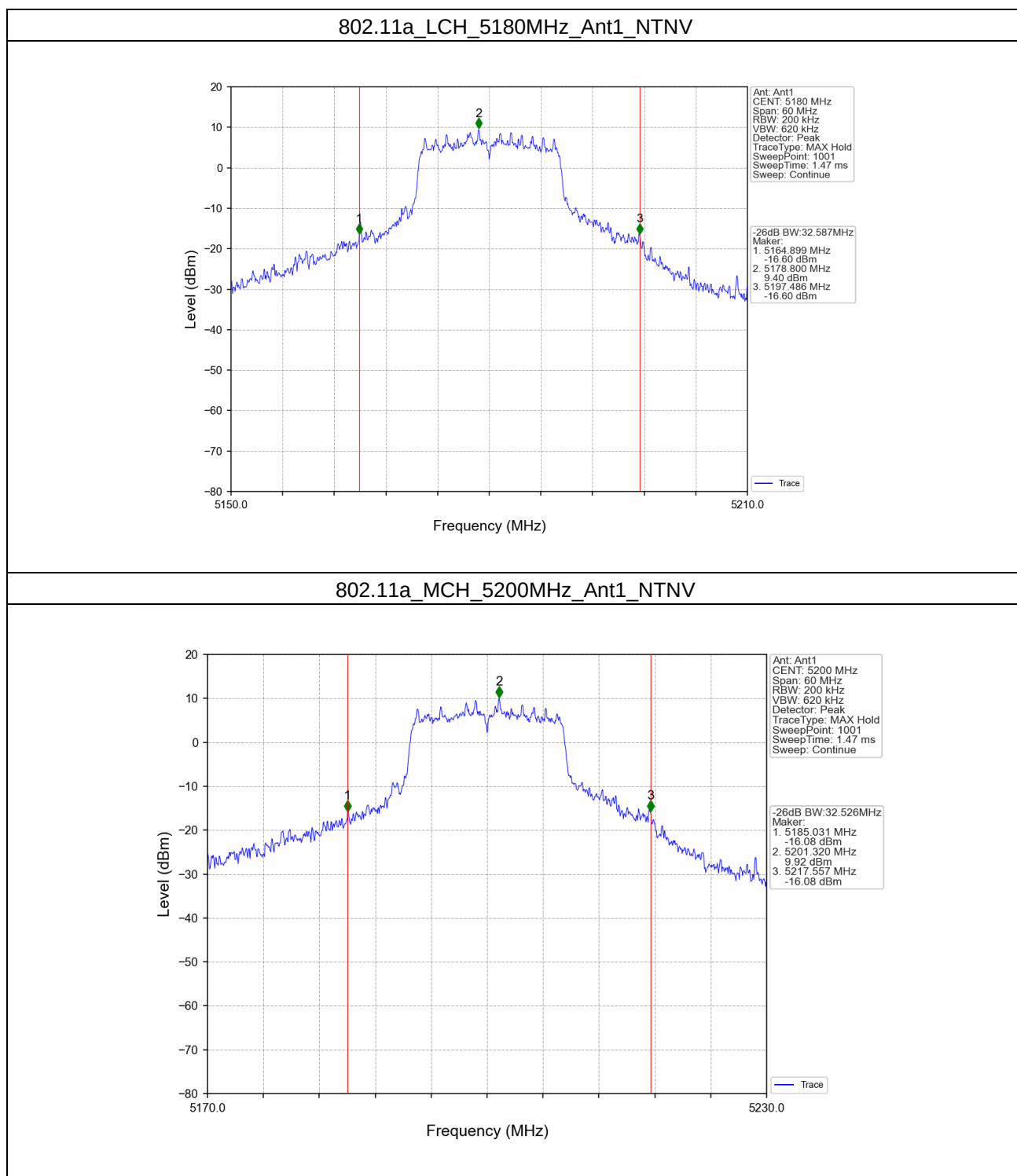
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2.3.2 Test Graph



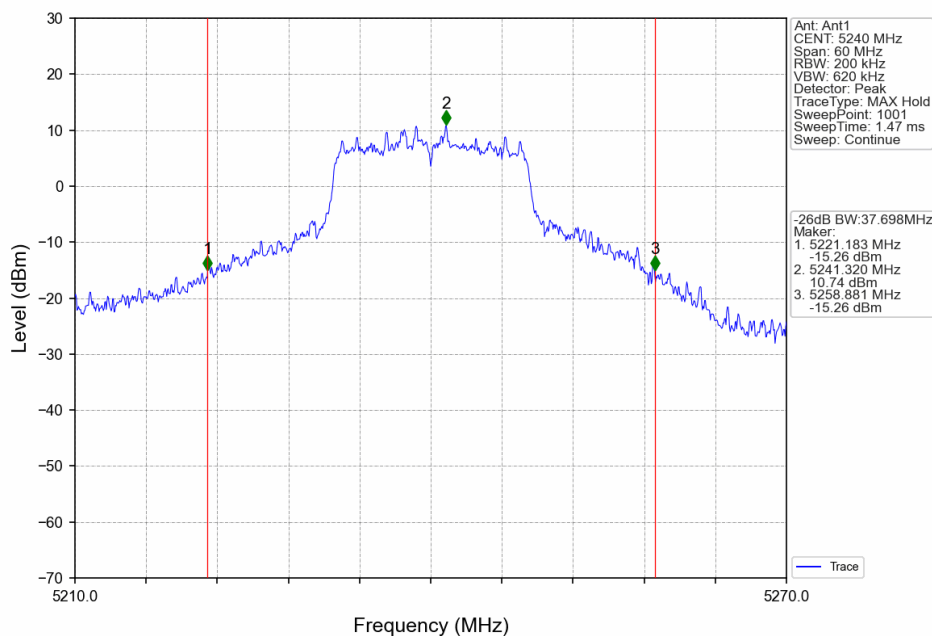
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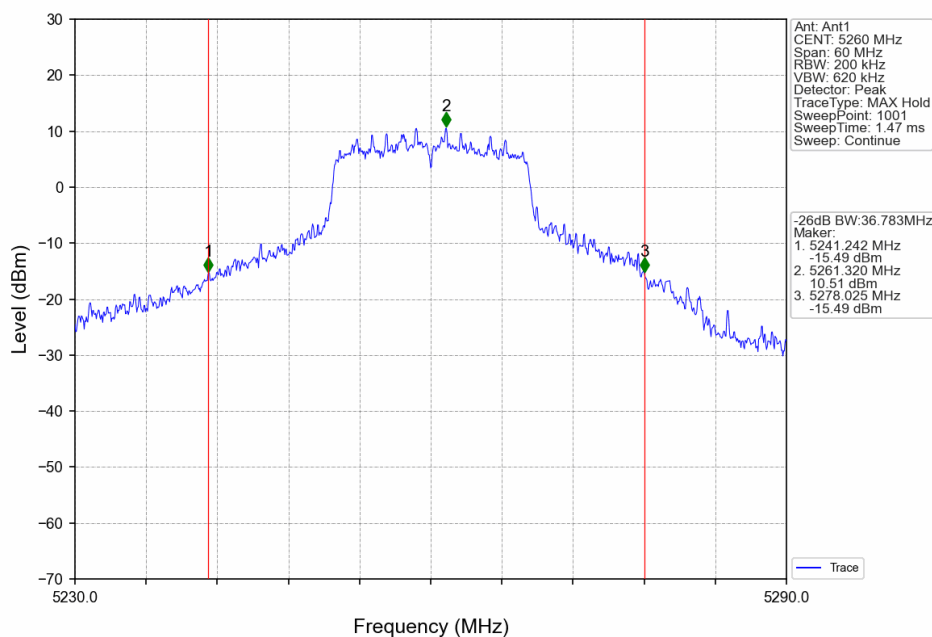
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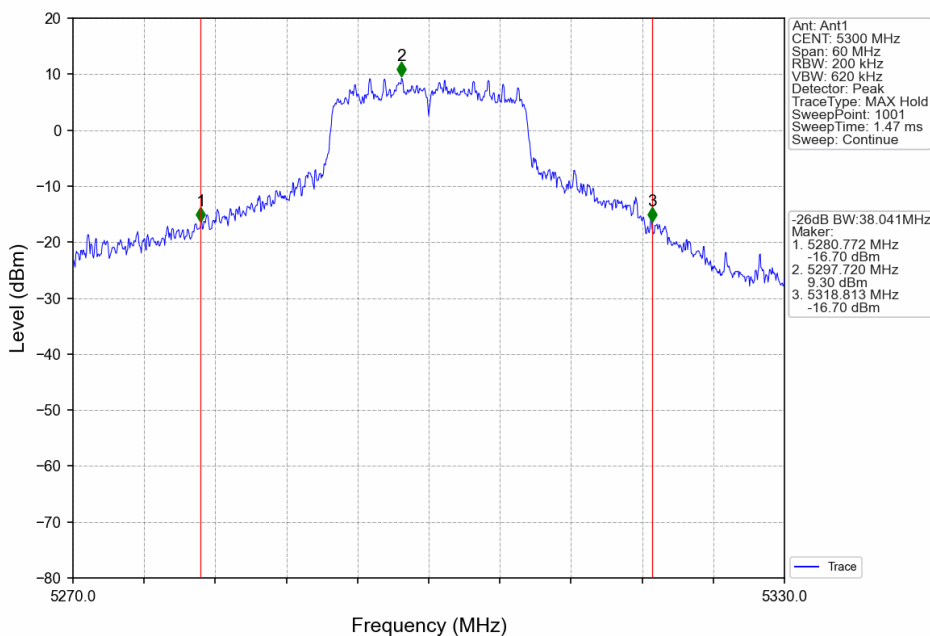
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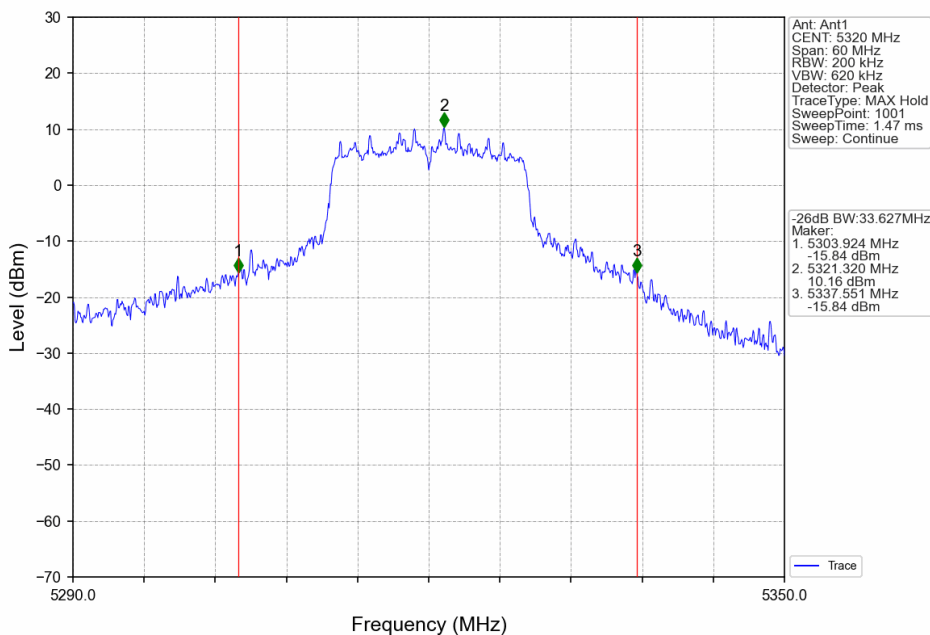
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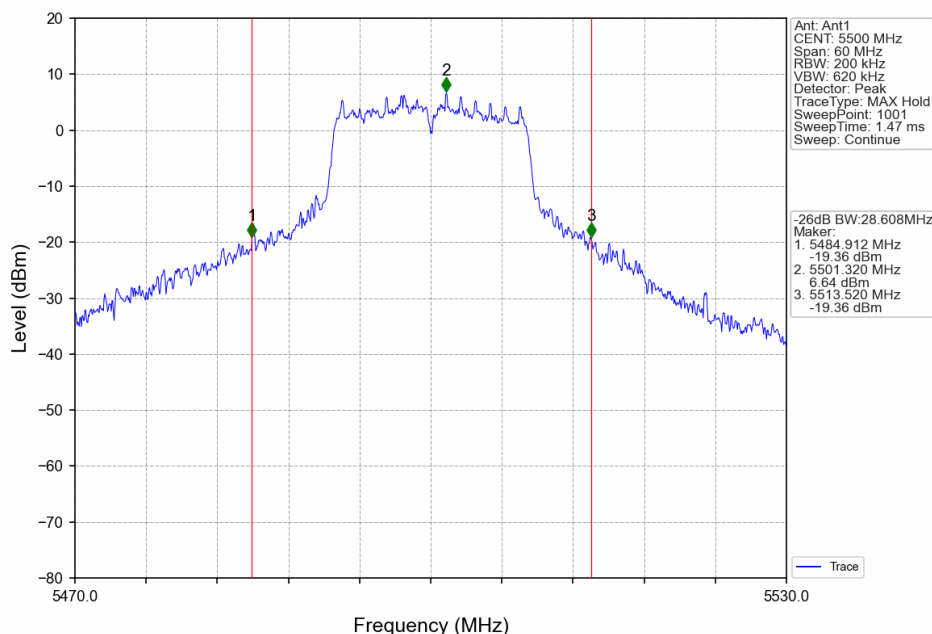
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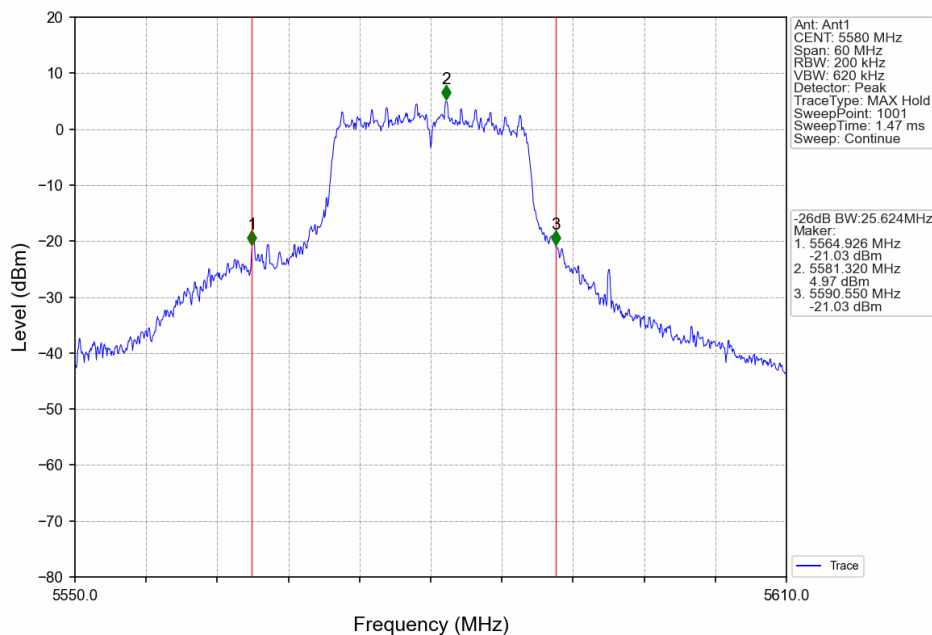
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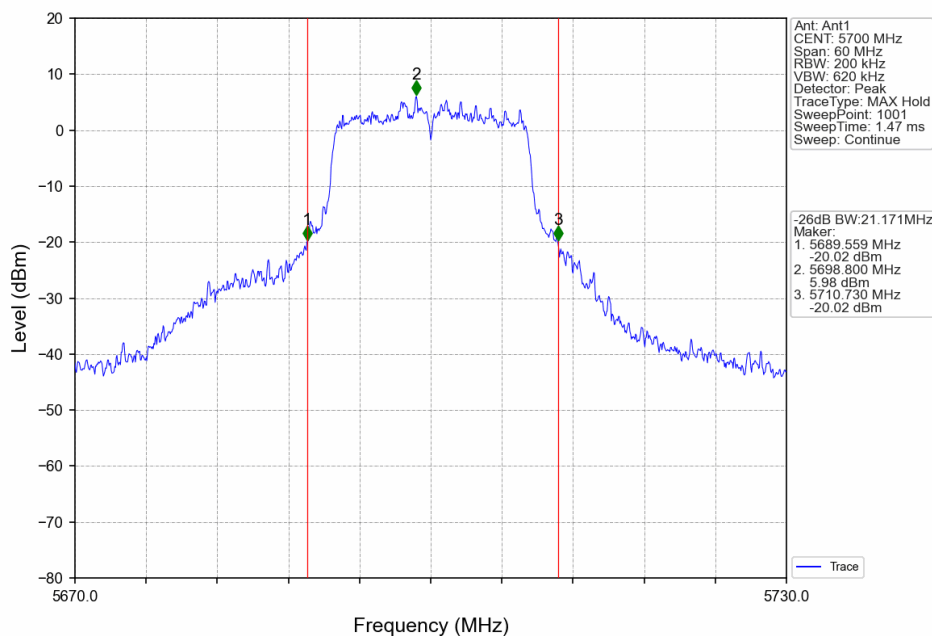
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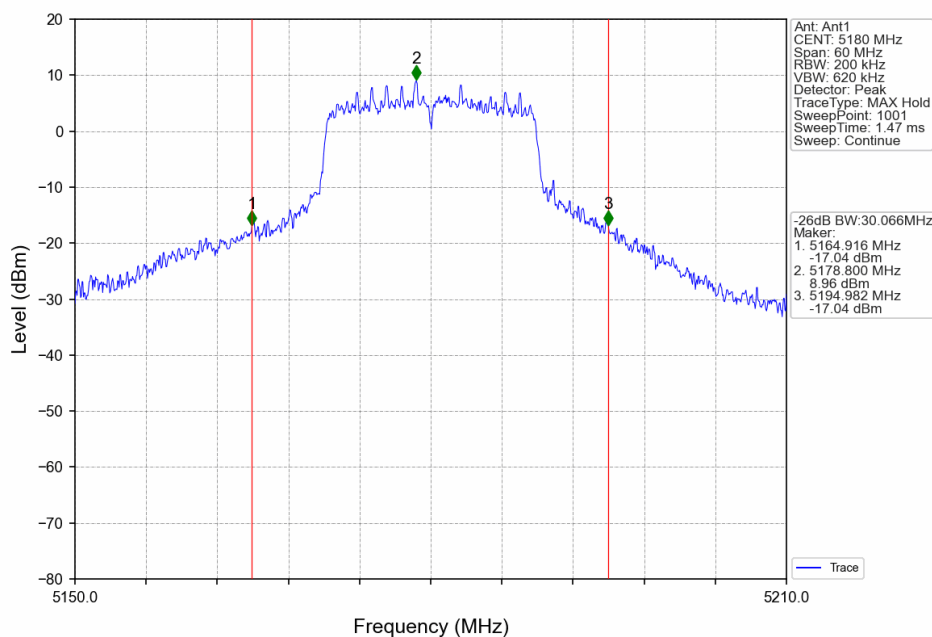
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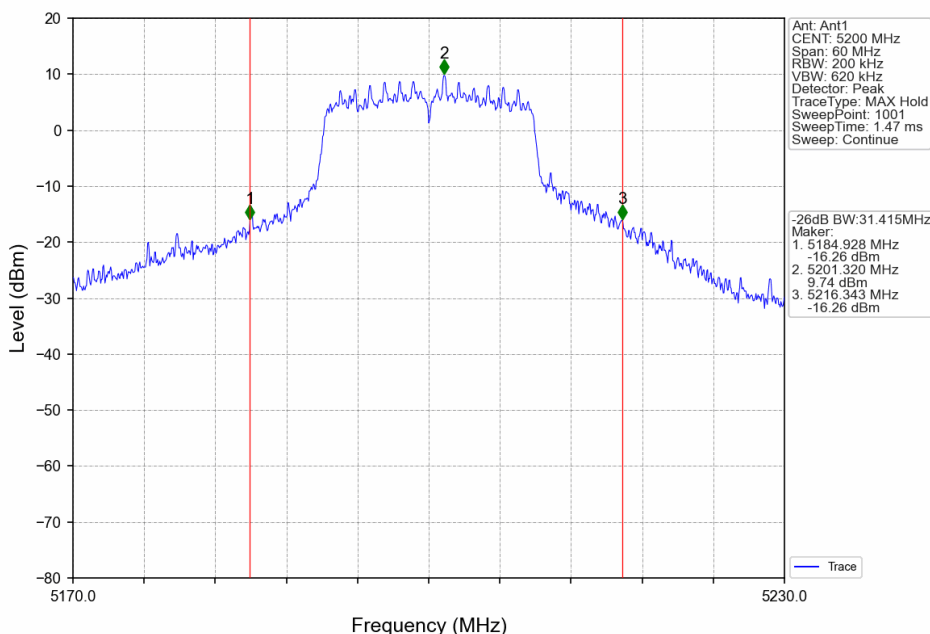
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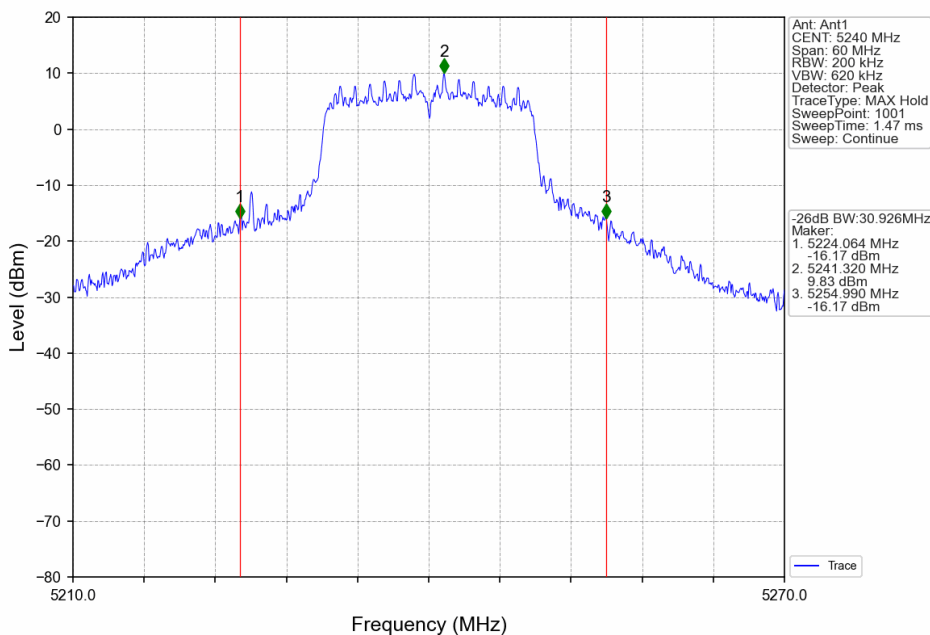
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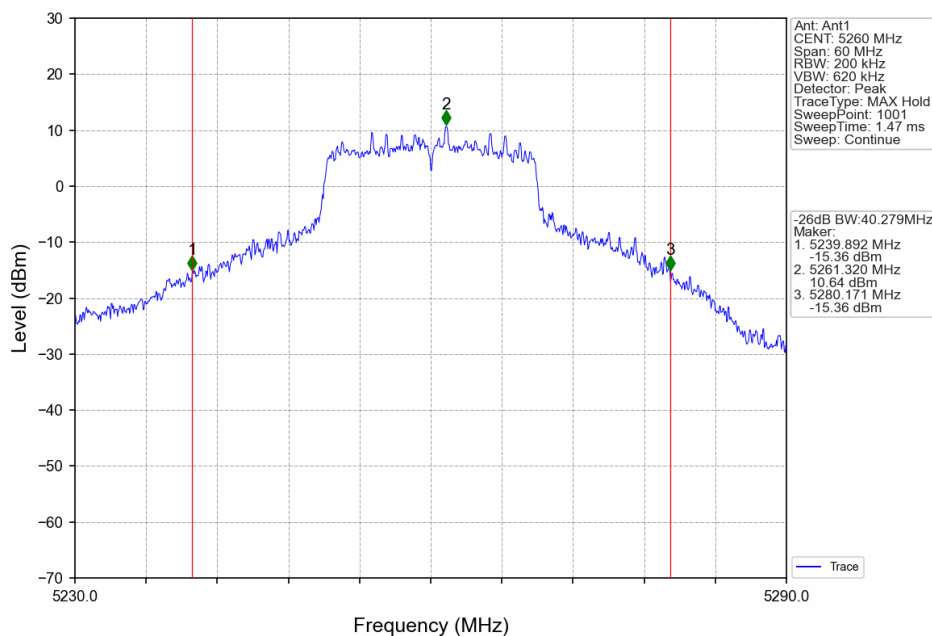
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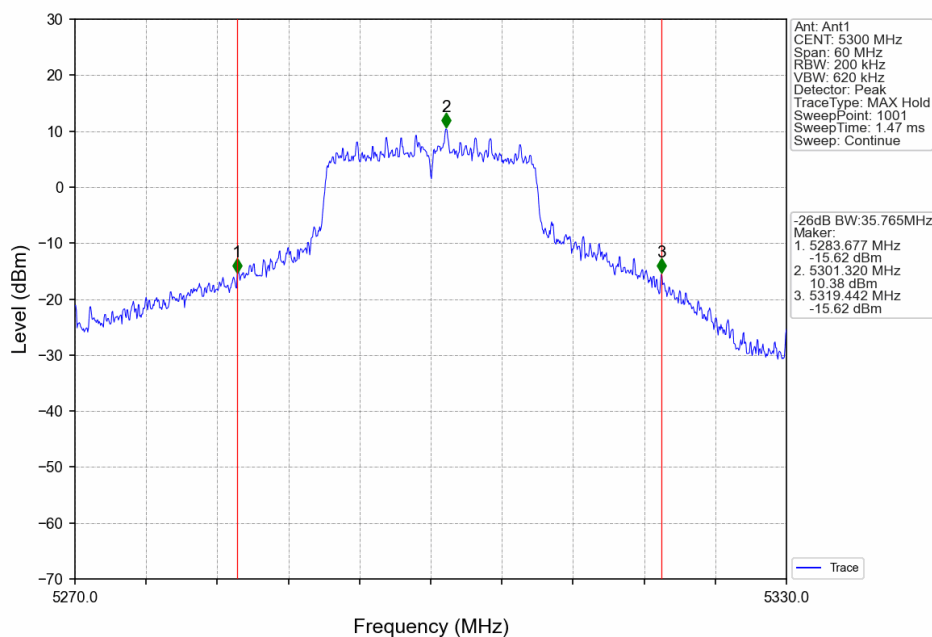
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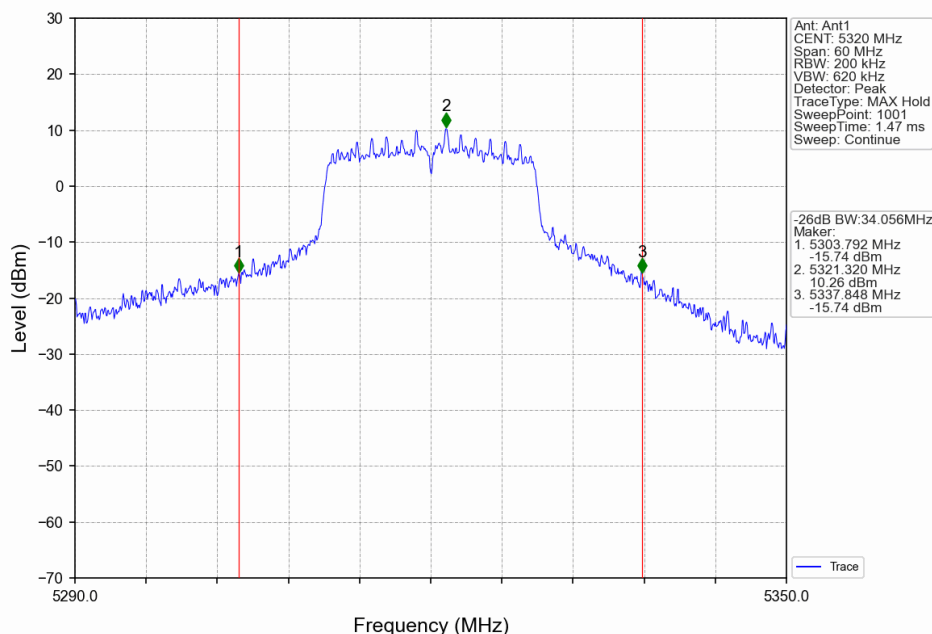
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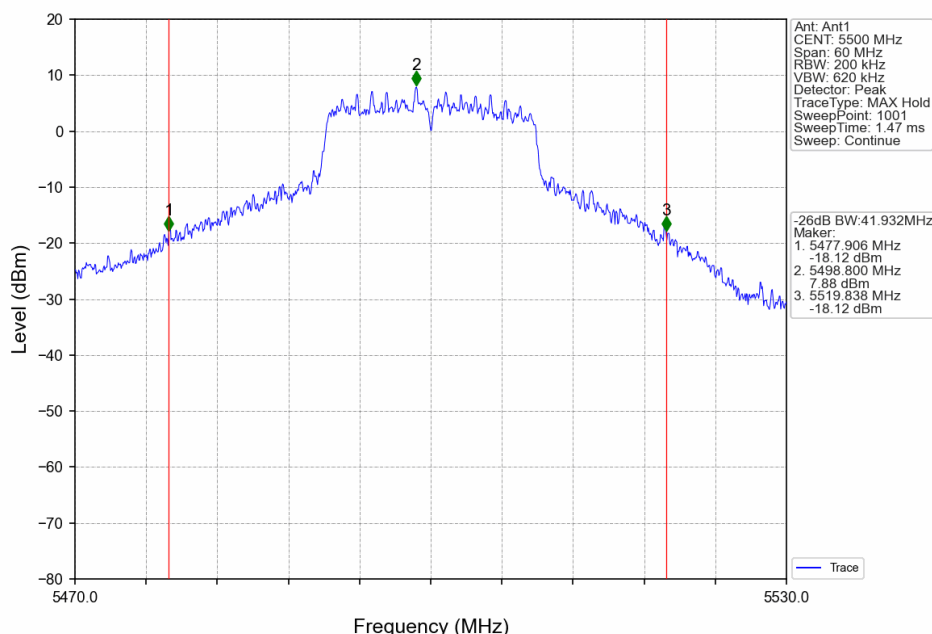
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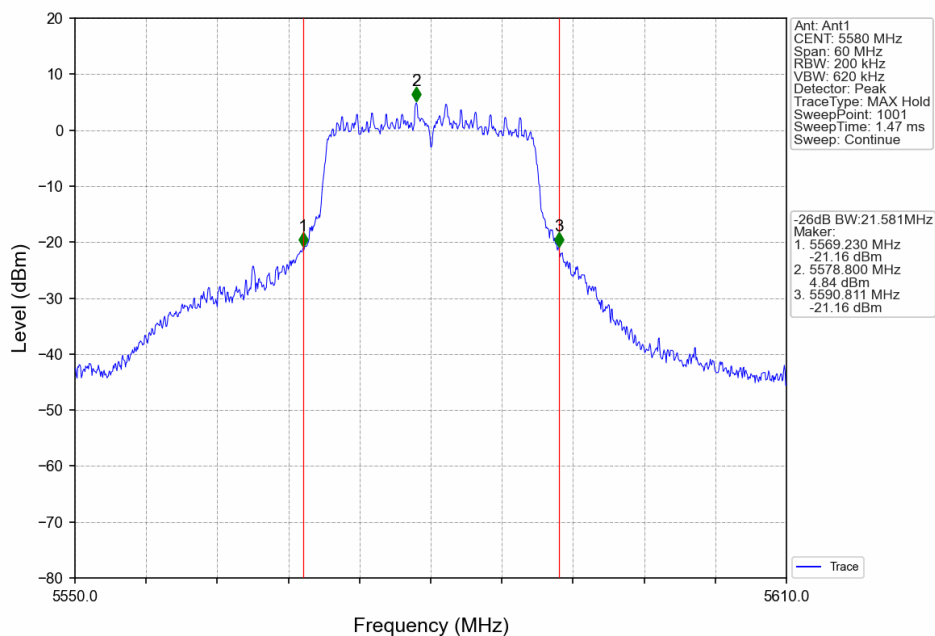
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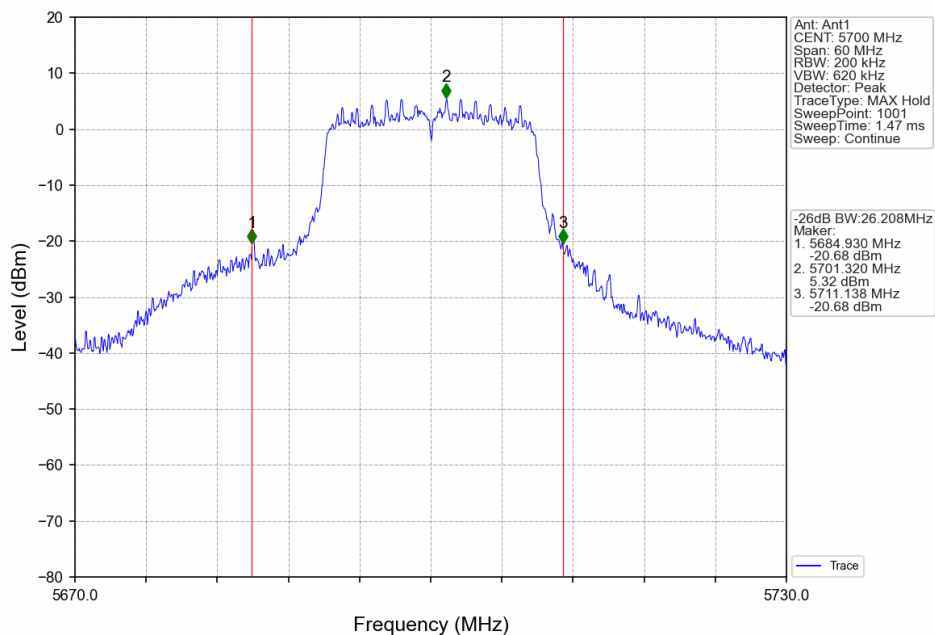
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802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



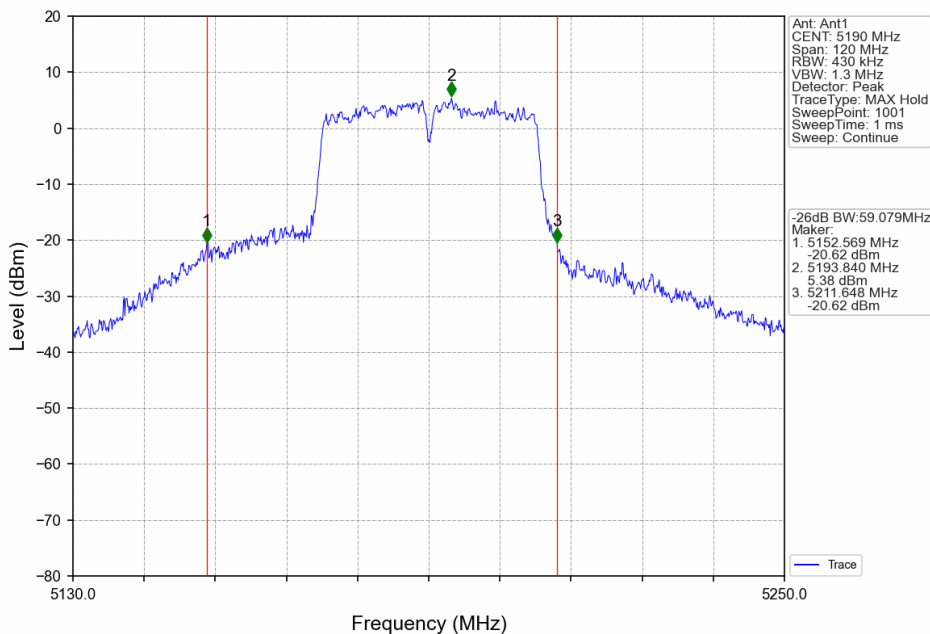
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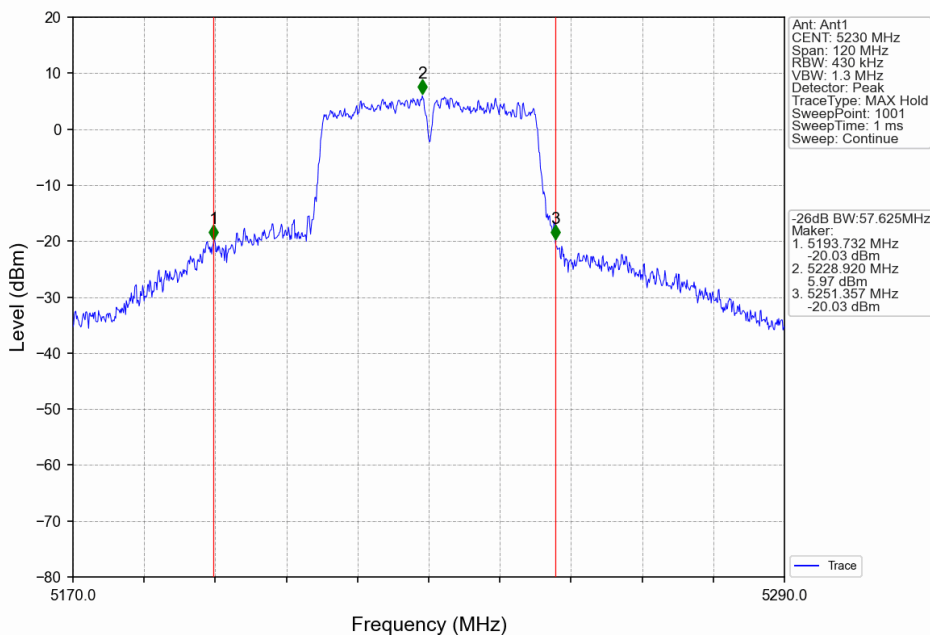
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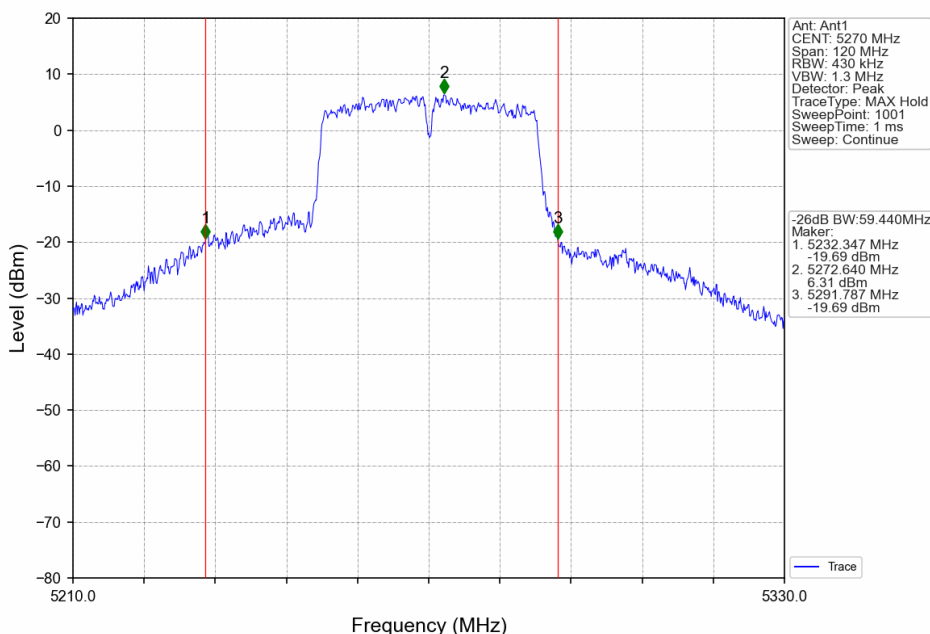
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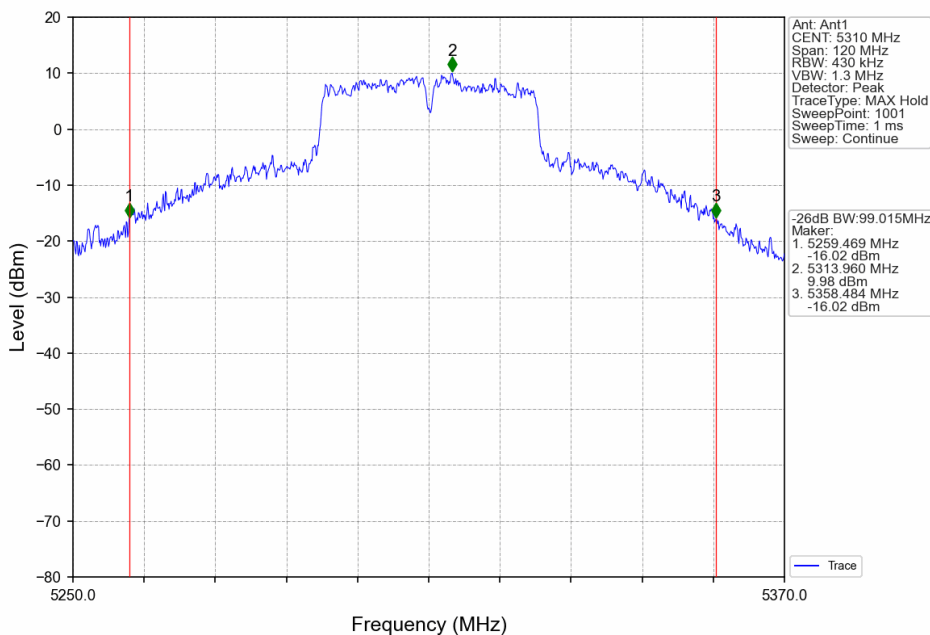
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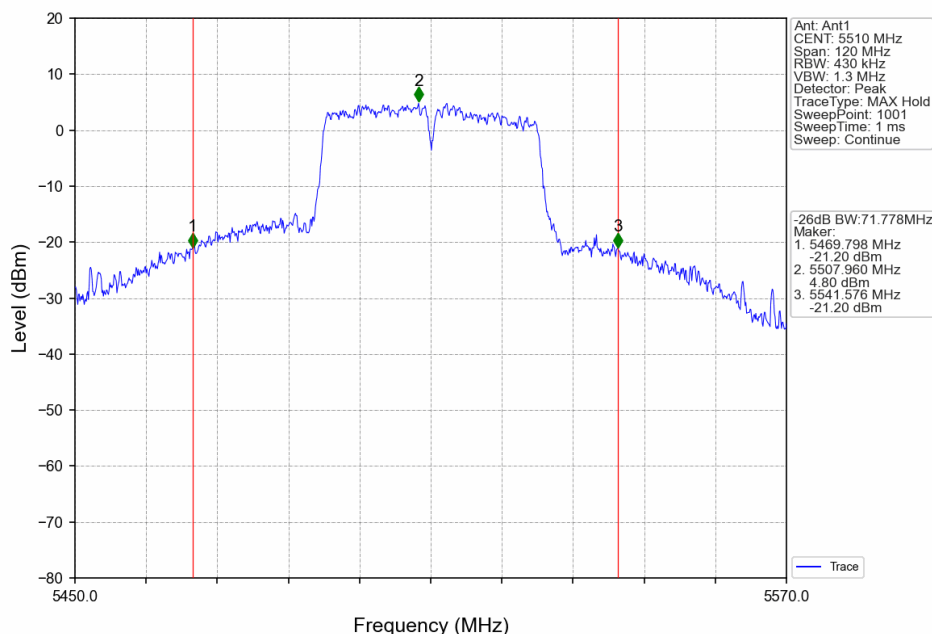
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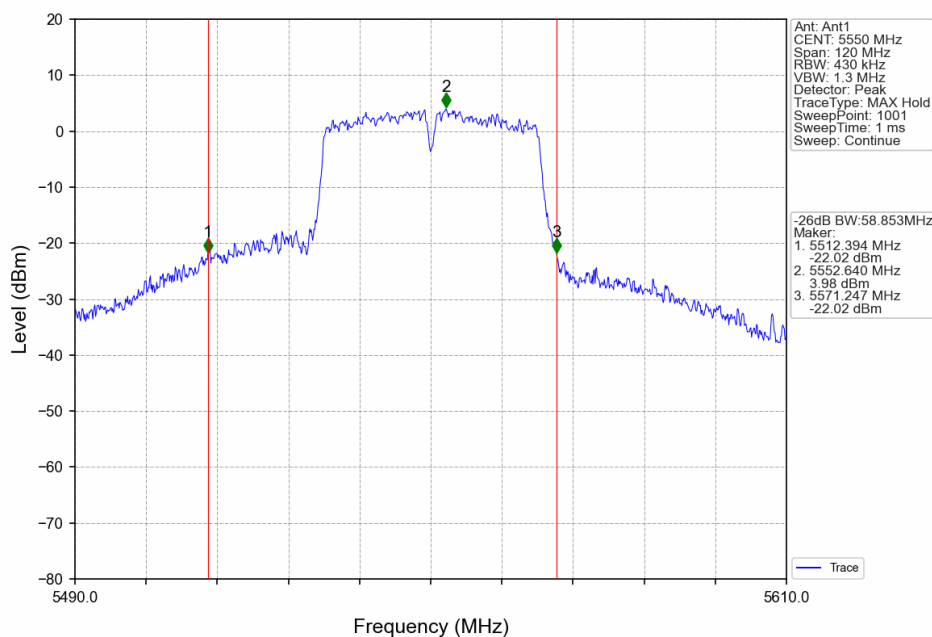
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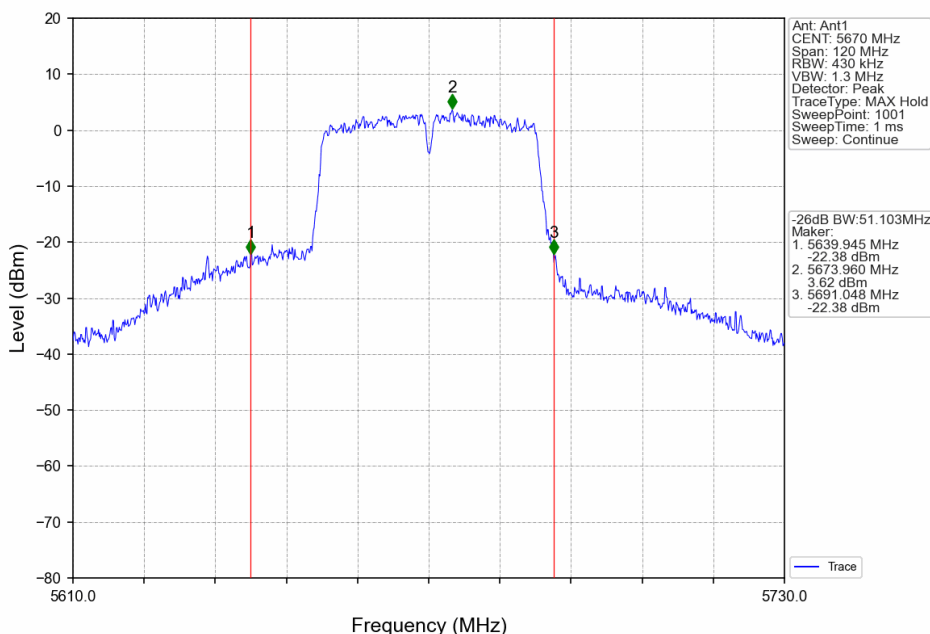
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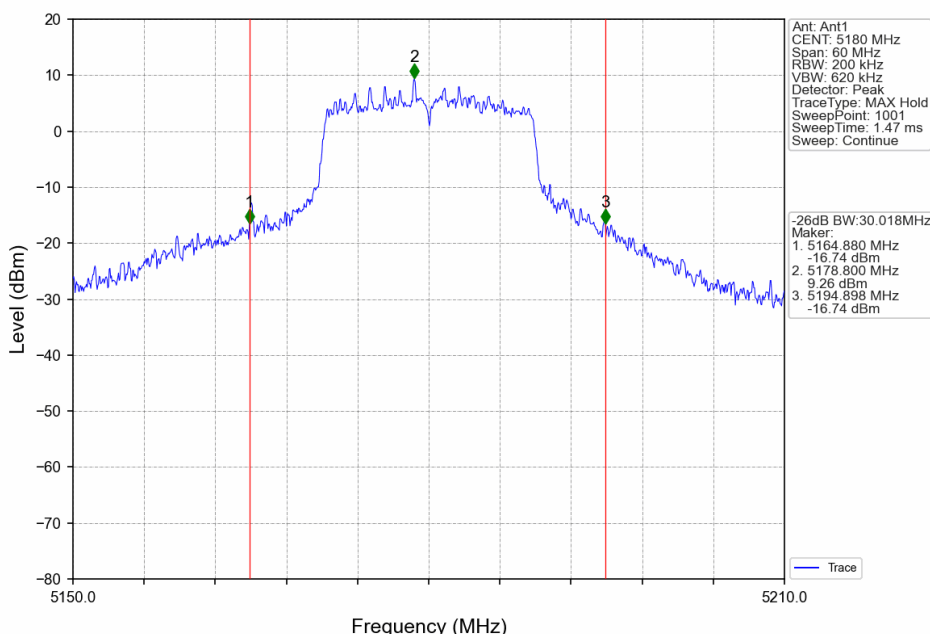
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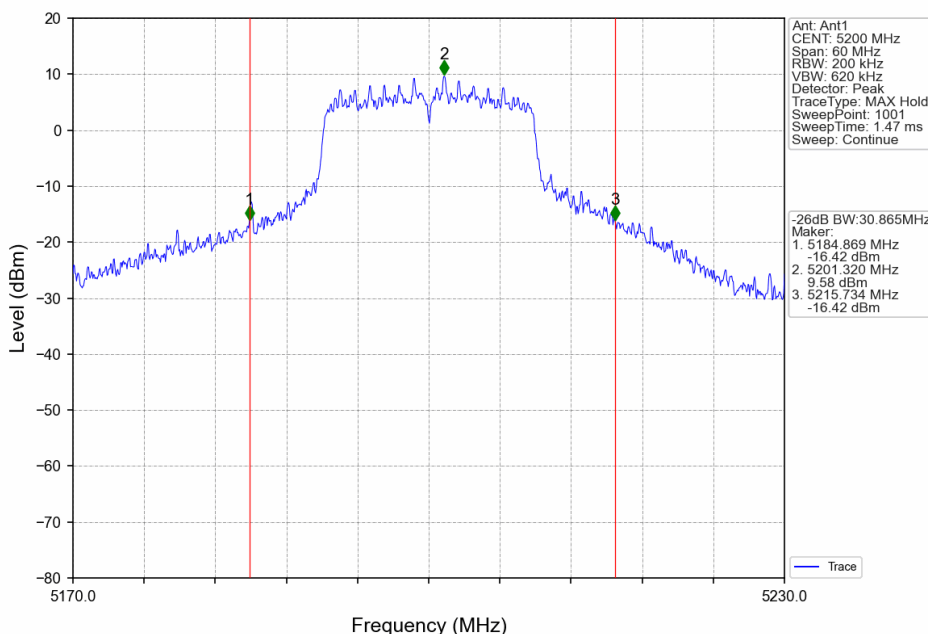
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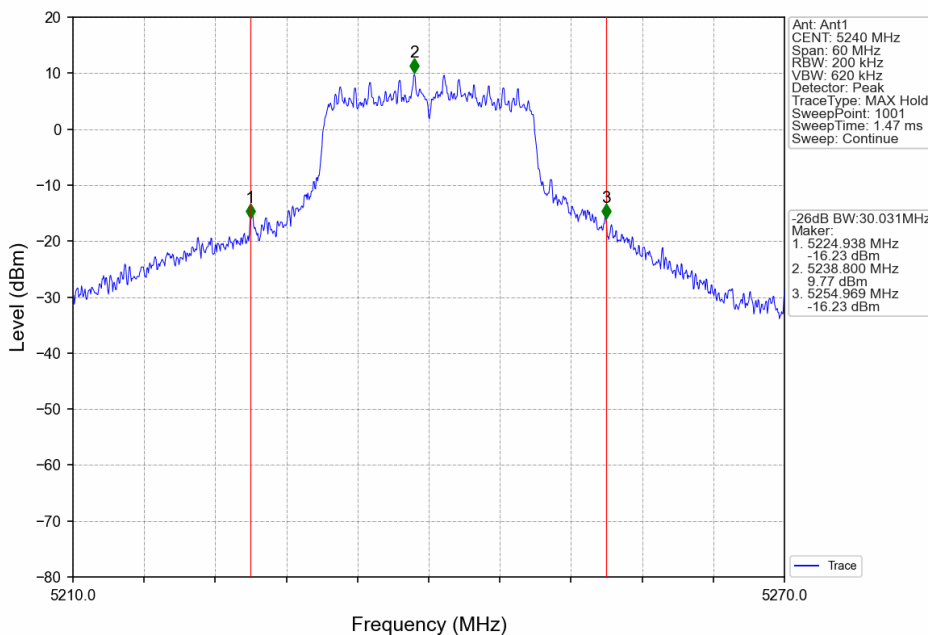
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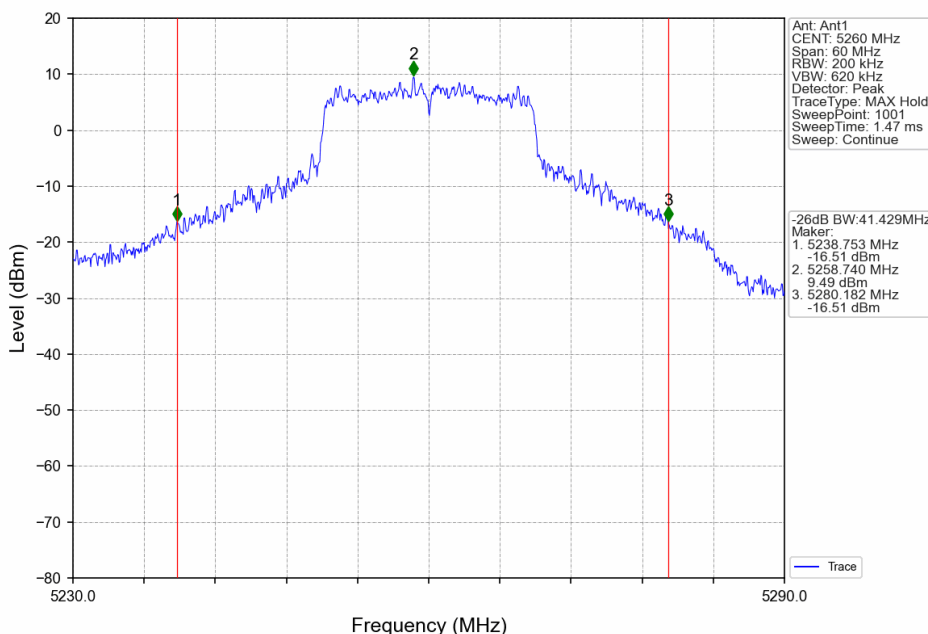
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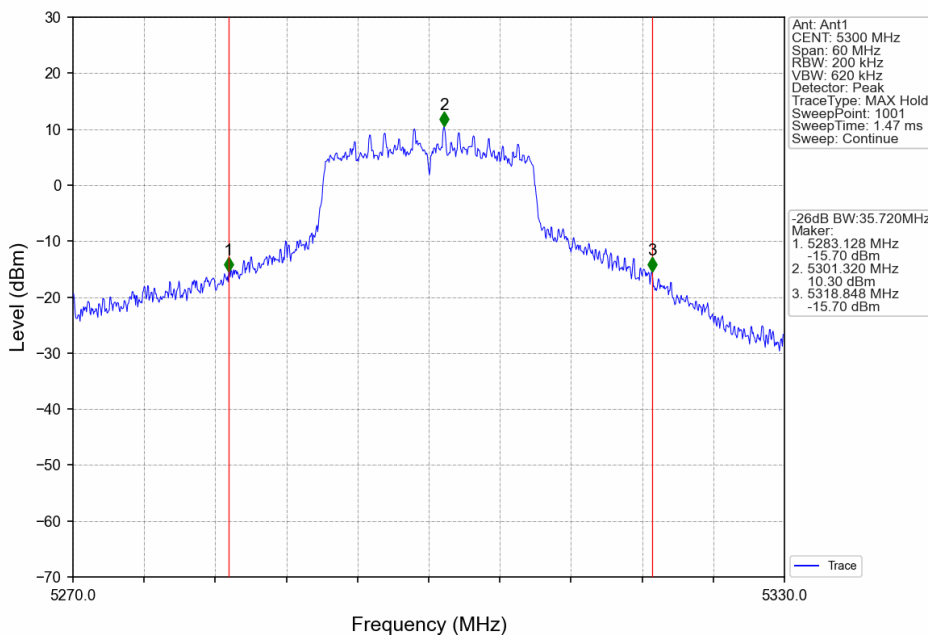
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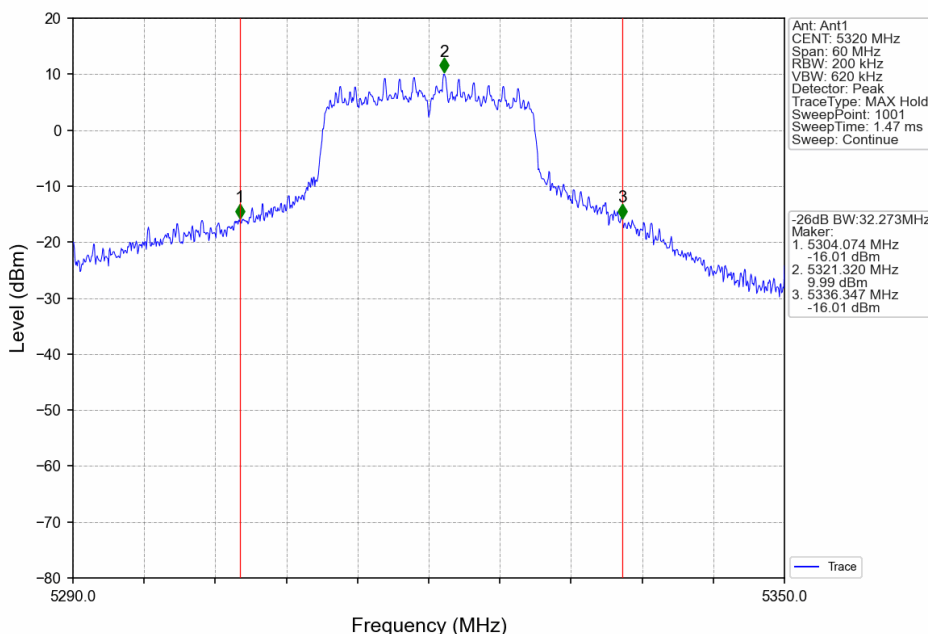
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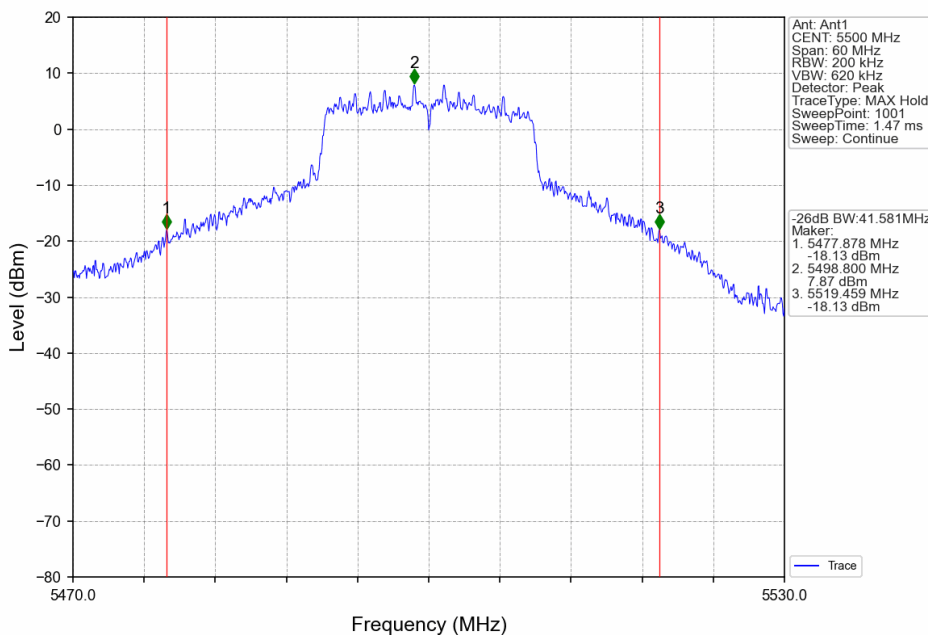
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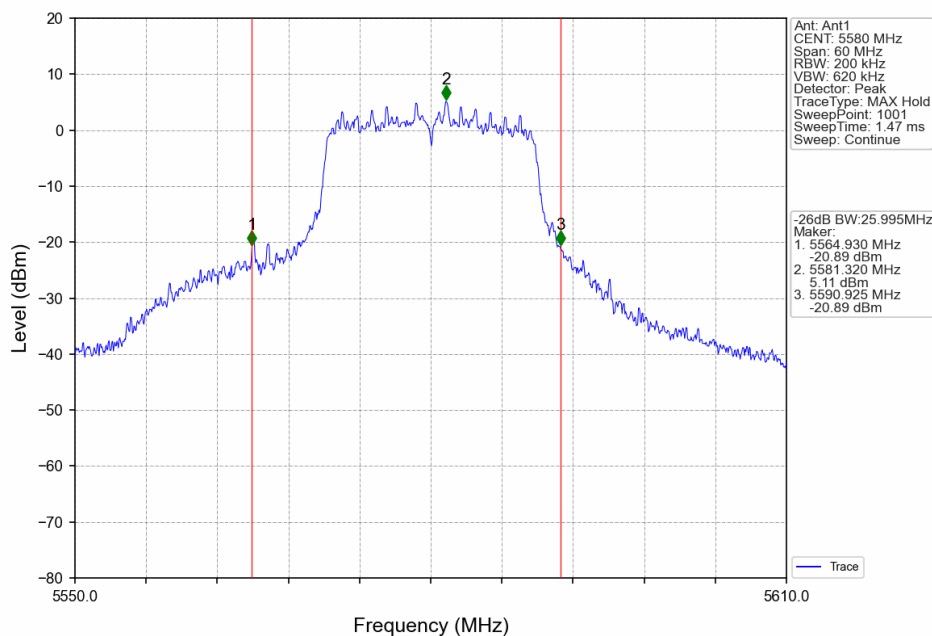
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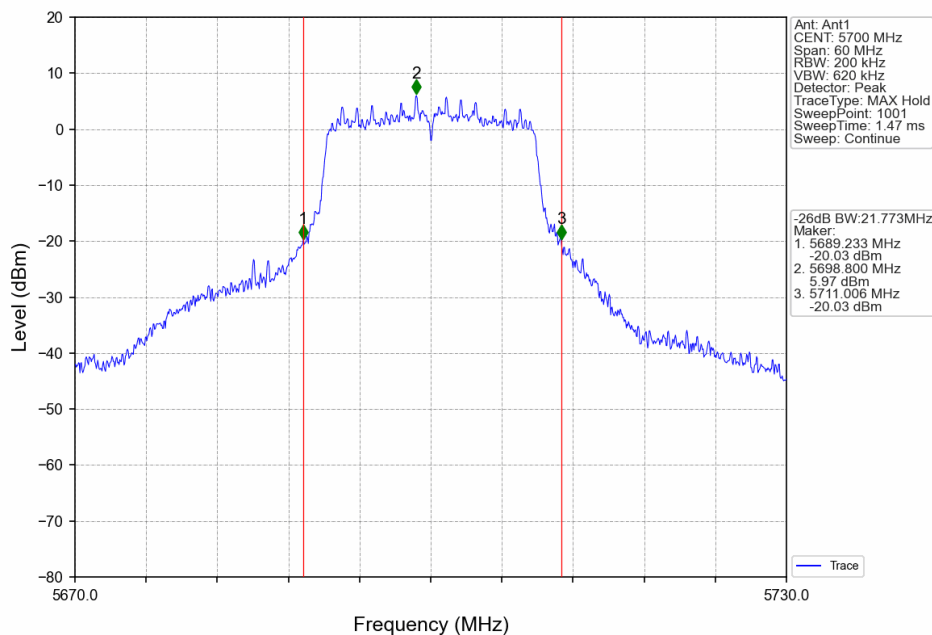
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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



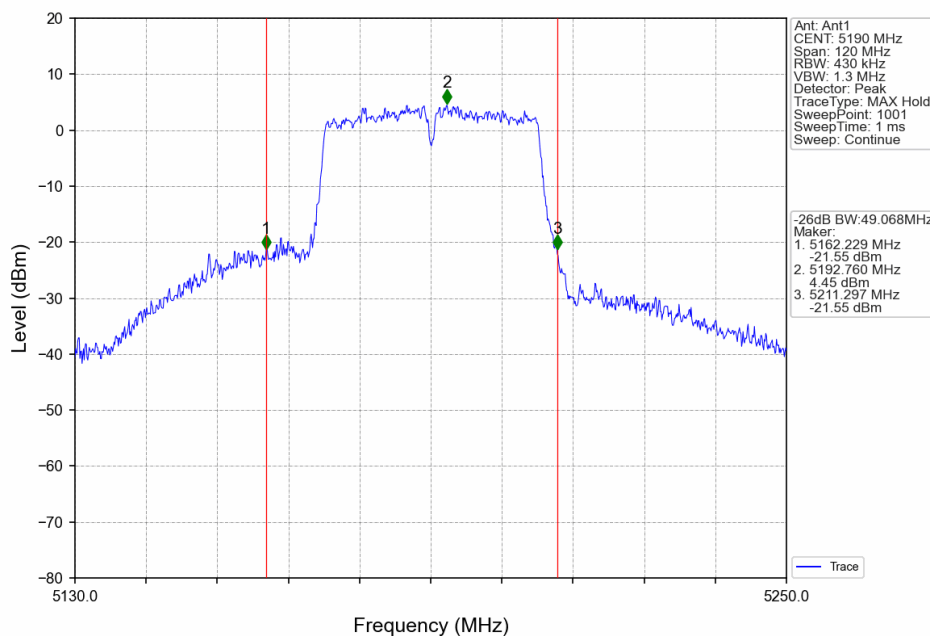
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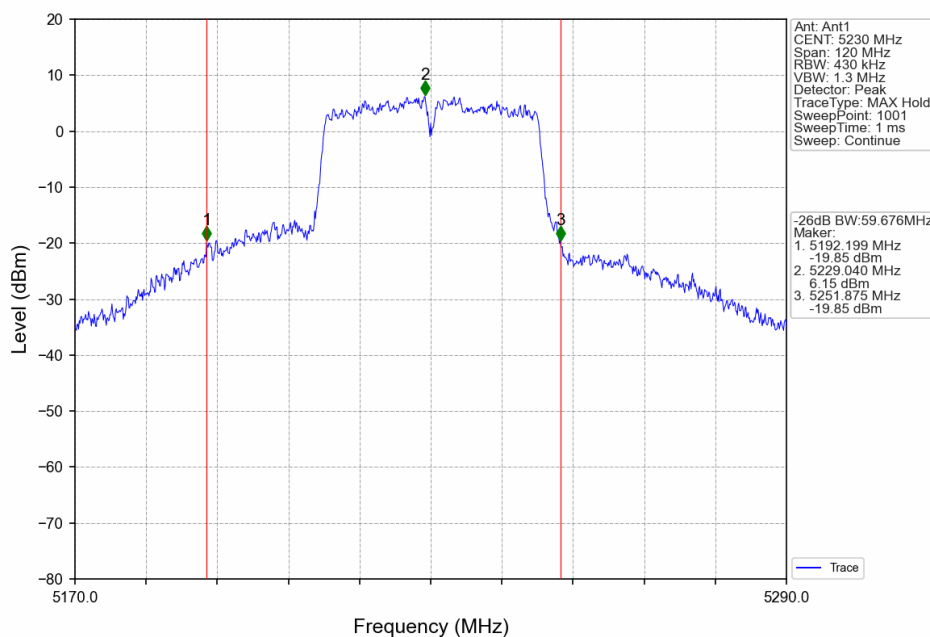
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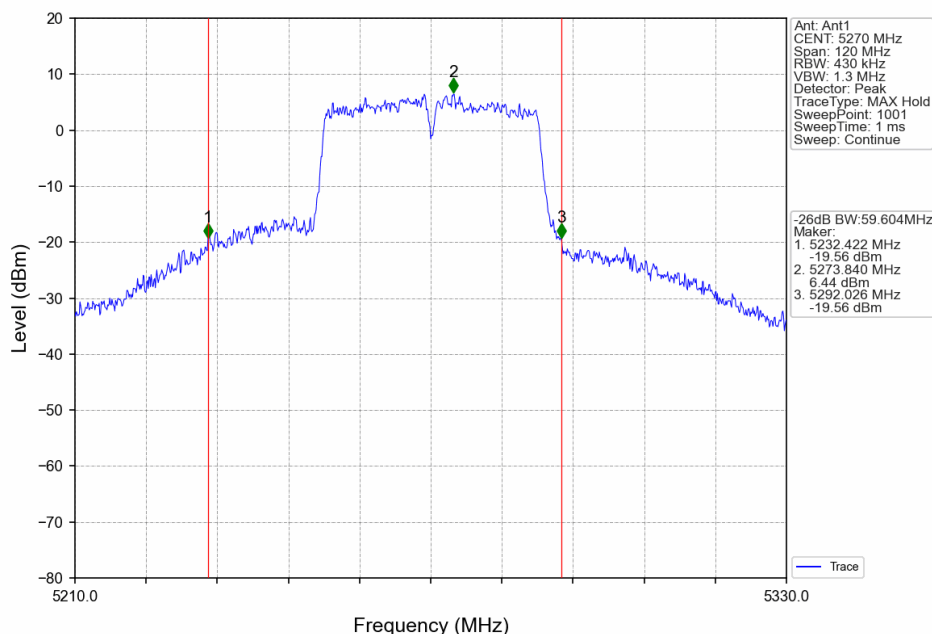
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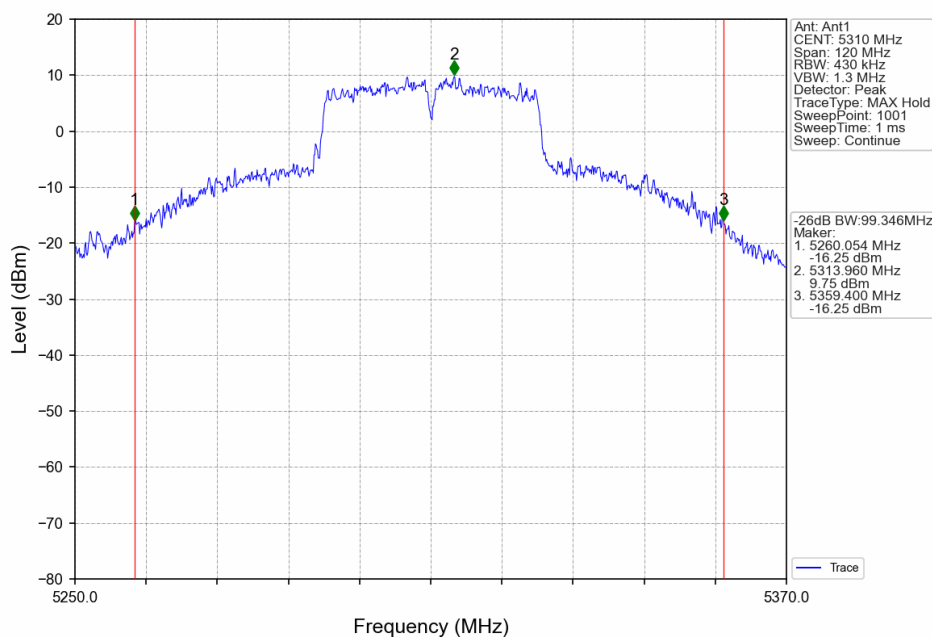
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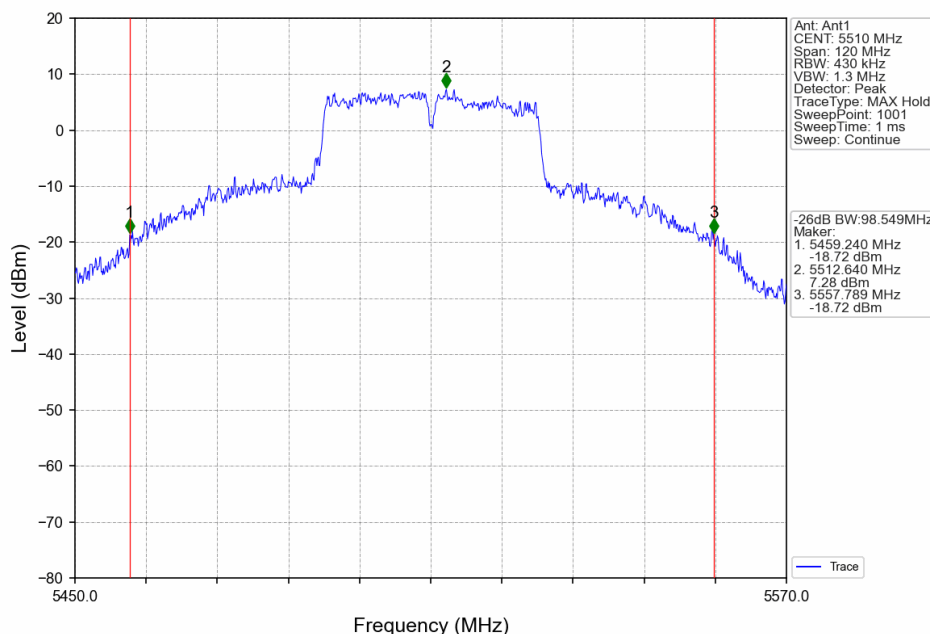
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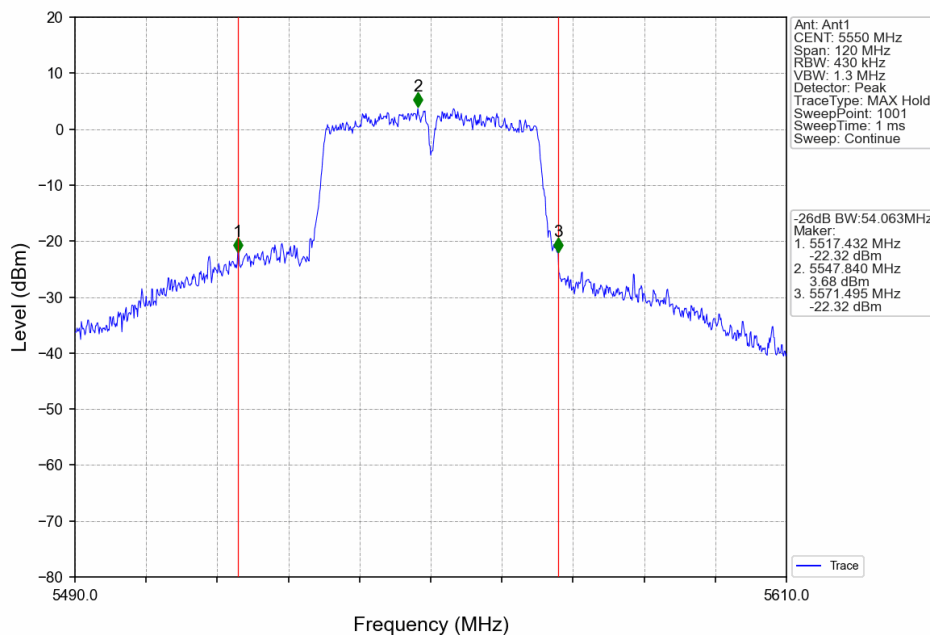
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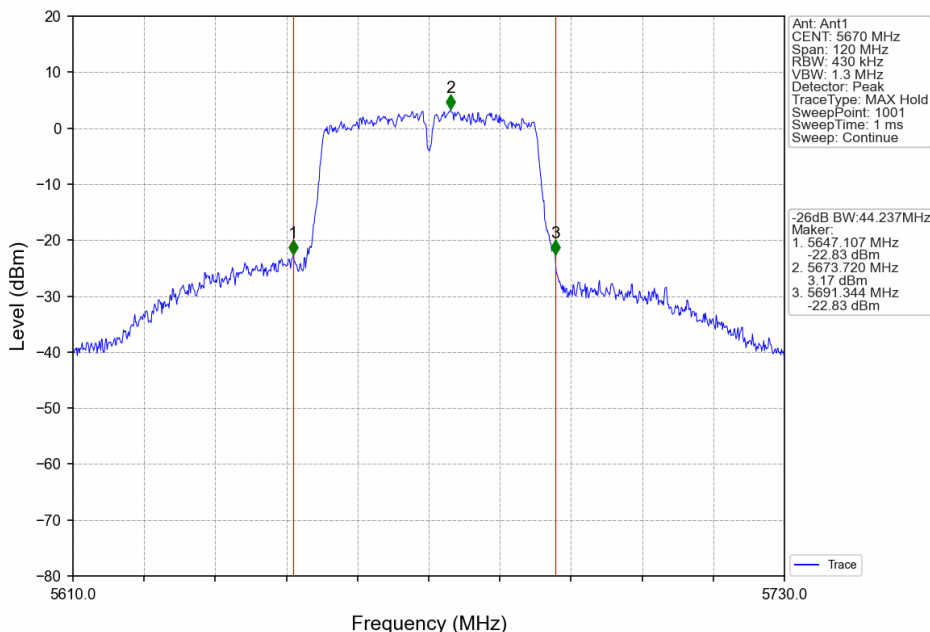
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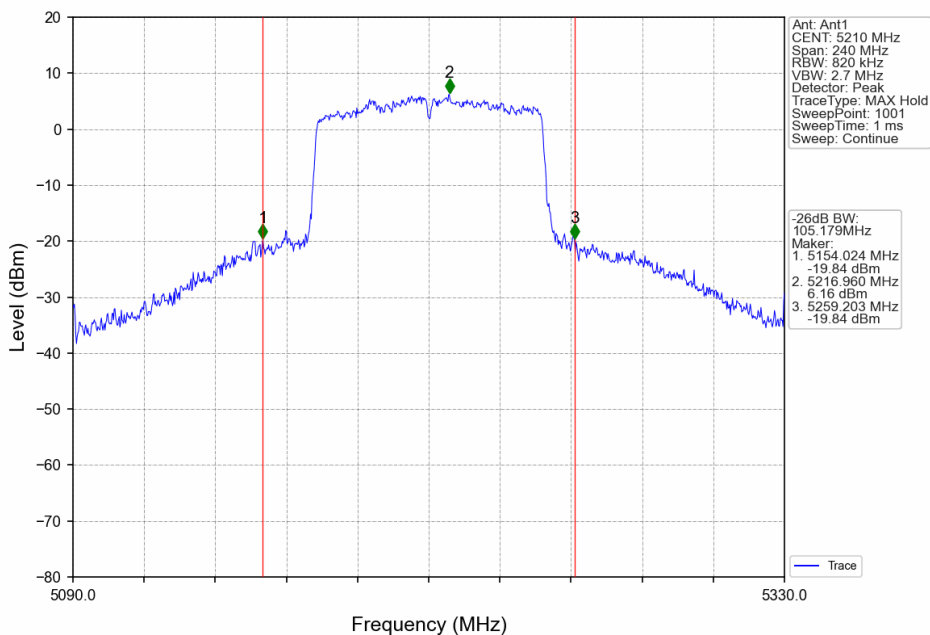
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802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



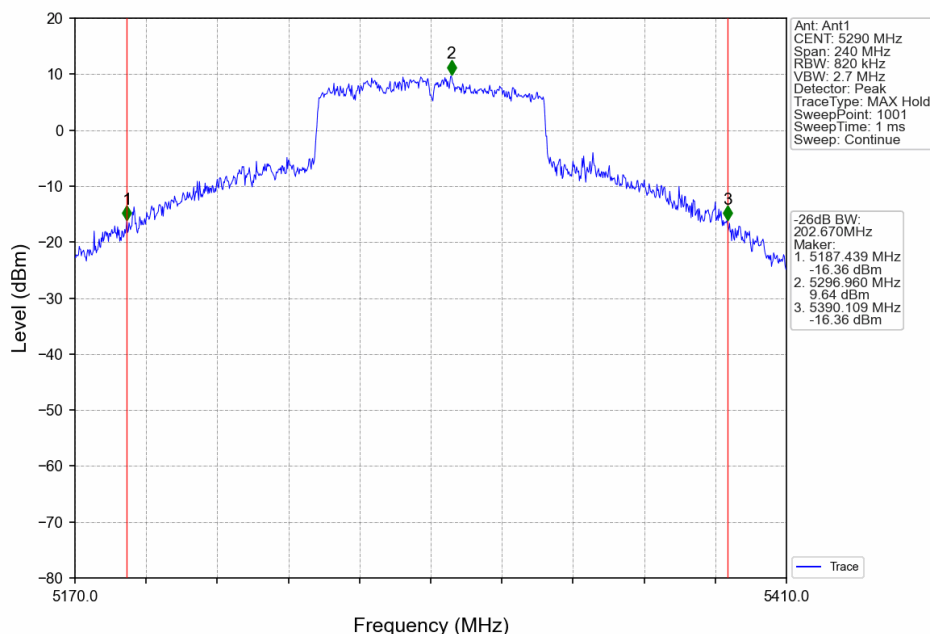
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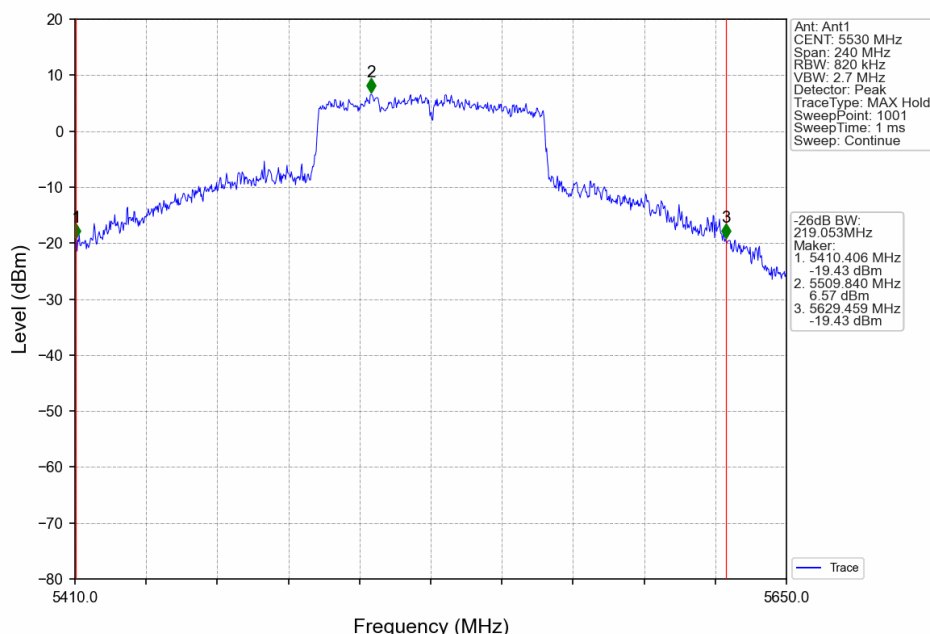
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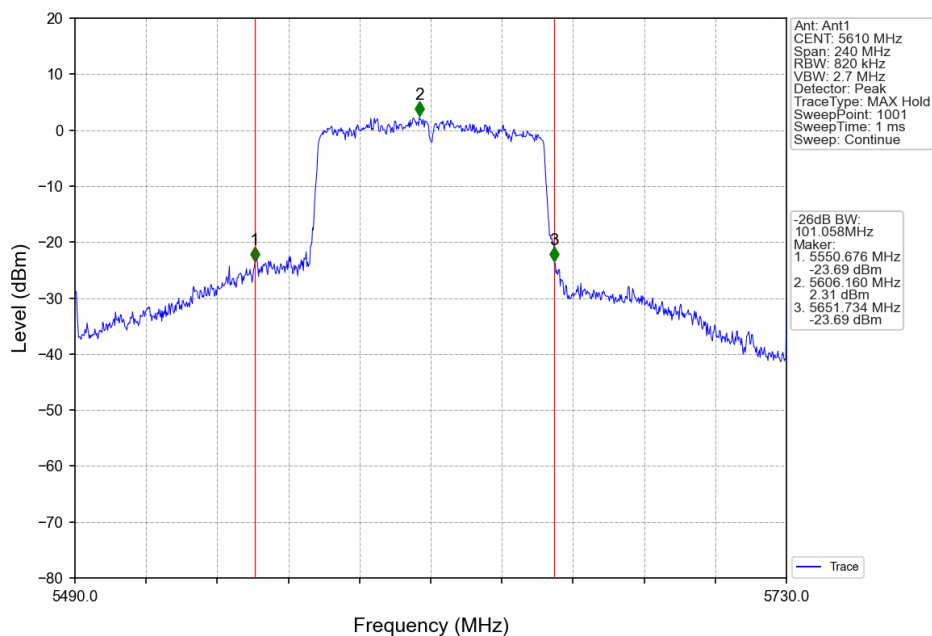
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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	MIMO	5180	16.34	13.16	18.05	<=23.98	Pass
		5200	16.39	13.64	18.24	<=23.98	Pass
		5240	16.41	14.24	18.47	<=23.98	Pass
		5260	16.48	14.76	18.71	<=23.98	Pass
		5300	16.36	14.86	18.68	<=23.98	Pass
		5320	16.09	14.64	18.44	<=23.98	Pass
		5500	15.21	13.04	17.27	<=23.98	Pass
		5580	14.22	12.38	16.41	<=23.98	Pass
		5700	15.12	13.60	17.44	<=23.98	Pass
		5745	14.09	16.83	18.68	<=30	Pass
		5785	15.05	17.26	19.30	<=30	Pass
		5825	14.66	17.00	19.00	<=30	Pass
802.11n (HT20)	MIMO	5180	16.06	12.89	17.77	<=23.98	Pass
		5200	16.26	13.52	18.11	<=23.98	Pass
		5240	16.29	14.27	18.41	<=23.98	Pass
		5260	16.38	14.71	18.64	<=23.98	Pass
		5300	16.24	14.82	18.60	<=23.98	Pass
		5320	15.95	14.56	18.32	<=23.98	Pass
		5500	15.08	12.96	17.16	<=23.98	Pass
		5580	14.18	12.33	16.36	<=23.98	Pass
		5700	14.95	13.42	17.26	<=23.98	Pass
		5745	13.98	16.73	18.58	<=30	Pass
		5785	15.03	17.27	19.30	<=30	Pass
		5825	14.22	17.01	18.85	<=30	Pass
802.11n (HT40)	MIMO	5190	14.09	10.91	15.80	<=23.98	Pass
		5230	14.37	11.82	16.29	<=23.98	Pass
		5270	14.37	12.64	16.60	<=23.98	Pass
		5310	14.12	12.63	16.45	<=23.98	Pass
		5510	12.87	10.92	15.01	<=23.98	Pass
		5550	12.37	10.54	14.56	<=23.98	Pass
		5670	12.55	11.11	14.90	<=23.98	Pass



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		5755	13.73	18.00	19.38	<=30	Pass
		5795	14.53	18.03	19.63	<=30	Pass
802.11ac (VHT20)	MIMO	5180	16.17	12.86	17.83	<=23.98	Pass
		5200	16.30	13.61	18.17	<=23.98	Pass
		5240	16.33	14.27	18.43	<=23.98	Pass
		5260	16.48	14.79	18.73	<=23.98	Pass
		5300	16.29	14.85	18.64	<=23.98	Pass
		5320	16.01	14.61	18.38	<=23.98	Pass
		5500	15.11	13.03	17.20	<=23.98	Pass
		5580	14.19	12.37	16.38	<=23.98	Pass
		5700	14.93	13.45	17.26	<=23.98	Pass
		5745	13.98	16.74	18.59	<=30	Pass
		5785	15.26	17.24	19.37	<=30	Pass
		5825	14.26	17.05	18.89	<=30	Pass
802.11ac (VHT40)	MIMO	5190	14.08	10.96	15.80	<=23.98	Pass
		5230	14.40	11.86	16.32	<=23.98	Pass
		5270	14.42	12.71	16.66	<=23.98	Pass
		5310	14.15	12.70	16.50	<=23.98	Pass
		5510	12.89	10.93	15.03	<=23.98	Pass
		5550	12.37	10.53	14.56	<=23.98	Pass
		5670	12.55	11.08	14.89	<=23.98	Pass
		5755	13.85	18.02	19.43	<=30	Pass
802.11ac (VHT80)	MIMO	5795	14.31	18.18	19.67	<=30	Pass
		5210	12.27	9.35	14.06	<=23.98	Pass
		5290	12.08	10.63	14.43	<=23.98	Pass
		5530	10.13	8.29	12.32	<=23.98	Pass
		5610	9.92	8.21	12.16	<=23.98	Pass
		5775	13.49	17.43	18.90	<=30	Pass



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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	MIMO	5180	5.86	2.76	7.49	<=11	Pass
		5200	5.77	3.04	7.59	<=11	Pass
		5240	5.82	3.75	7.89	<=11	Pass
		5260	5.94	4.19	8.04	<=11	Pass
		5300	5.70	4.33	8.05	<=11	Pass
		5320	5.55	4.12	7.82	<=11	Pass
		5500	4.69	2.65	6.64	<=11	Pass
		5580	3.76	1.97	5.84	<=11	Pass
		5700	4.59	3.11	6.75	<=11	Pass
802.11n (HT20)	MIMO	5180	5.08	2.16	6.81	<=11	Pass
		5200	5.52	2.72	7.30	<=11	Pass
		5240	5.58	3.51	7.56	<=11	Pass
		5260	5.55	3.90	7.64	<=11	Pass
		5300	5.39	4.05	7.70	<=11	Pass
		5320	5.04	3.82	7.45	<=11	Pass
		5500	4.14	2.04	6.17	<=11	Pass
		5580	3.36	1.66	5.51	<=11	Pass
		5700	4.22	2.66	6.48	<=11	Pass
802.11n (HT40)	MIMO	5190	0.22	-2.89	1.88	<=11	Pass
		5230	0.42	-2.07	2.32	<=11	Pass
		5270	0.54	-1.32	2.72	<=11	Pass
		5310	0.19	-1.14	2.59	<=11	Pass
		5510	-0.92	-2.92	1.10	<=11	Pass
		5550	-1.53	-3.33	0.56	<=11	Pass
		5670	-1.52	-2.85	0.79	<=11	Pass
802.11ac (VHT20)	MIMO	5180	5.34	2.29	6.98	<=11	Pass
		5200	5.41	2.85	7.30	<=11	Pass
		5240	5.67	3.52	7.51	<=11	Pass
		5260	5.67	4.02	7.90	<=11	Pass
		5300	5.39	3.98	7.63	<=11	Pass
		5320	5.02	3.97	7.40	<=11	Pass



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		5500	4.17	2.18	6.24	<=11	Pass
		5580	3.37	1.63	5.54	<=11	Pass
		5700	4.04	2.53	6.31	<=11	Pass
802.11ac (VHT40)	MIMO	5190	0.18	-3.02	1.85	<=11	Pass
		5230	0.53	-1.96	2.42	<=11	Pass
		5270	0.58	-0.89	2.81	<=11	Pass
		5310	0.10	-1.15	2.44	<=11	Pass
		5510	-0.94	-2.79	1.20	<=11	Pass
		5550	-1.48	-3.32	0.68	<=11	Pass
		5670	-1.31	-2.88	0.89	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-4.61	-7.30	-2.76	<=11	Pass
		5290	-4.69	-6.32	-2.49	<=11	Pass
		5530	-6.38	-8.63	-4.43	<=11	Pass
		5610	-6.80	-8.70	-4.76	<=11	Pass



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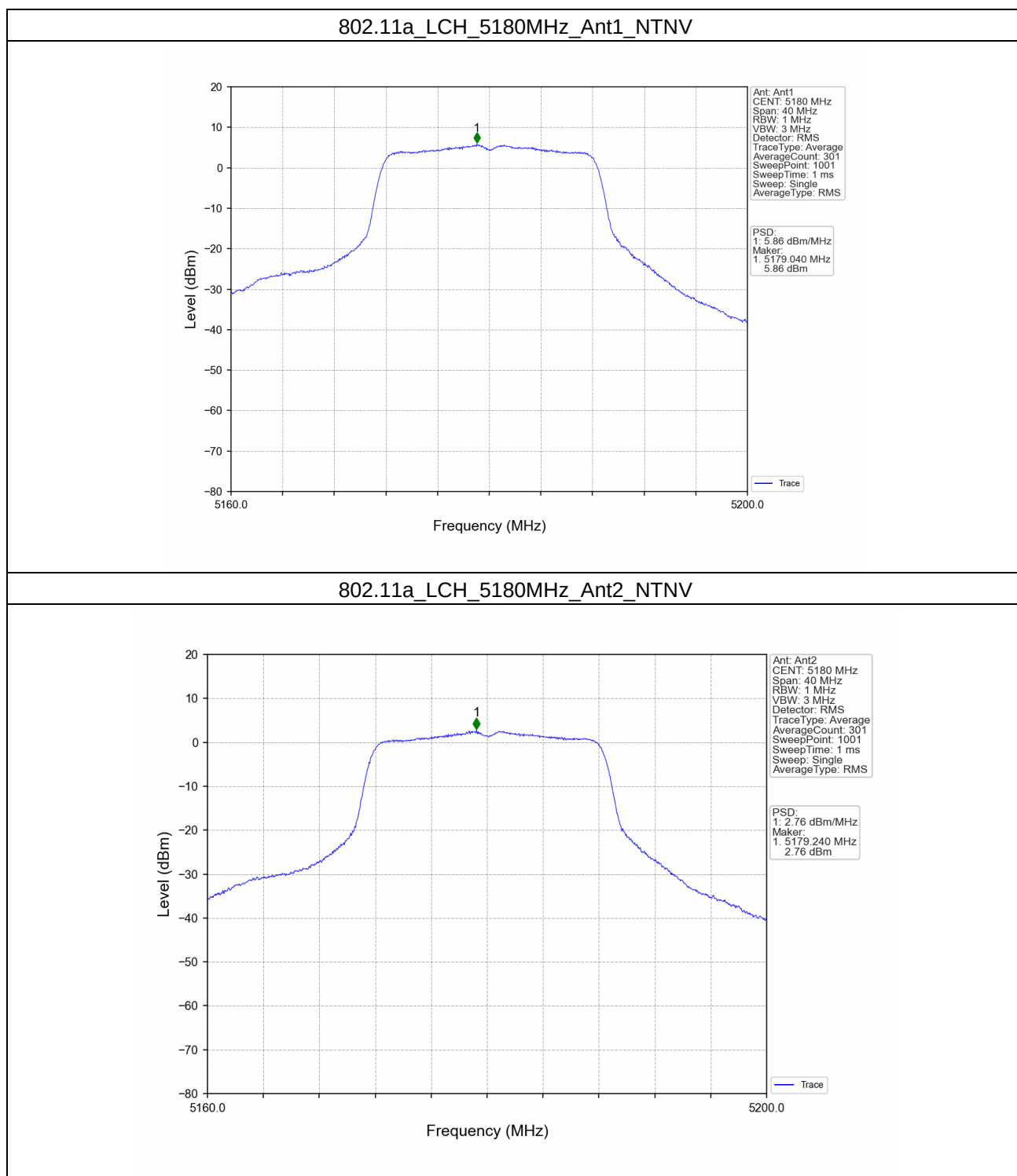
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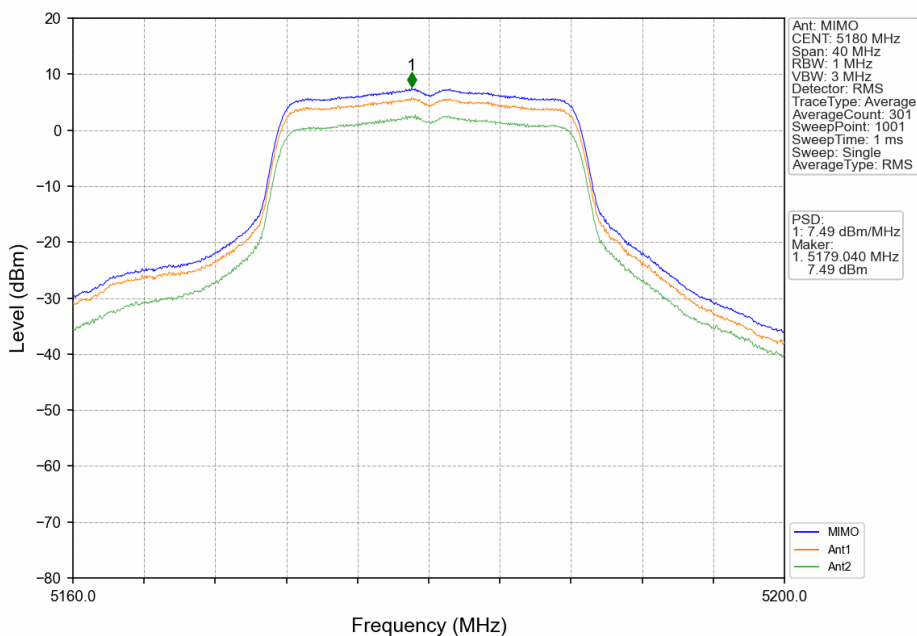
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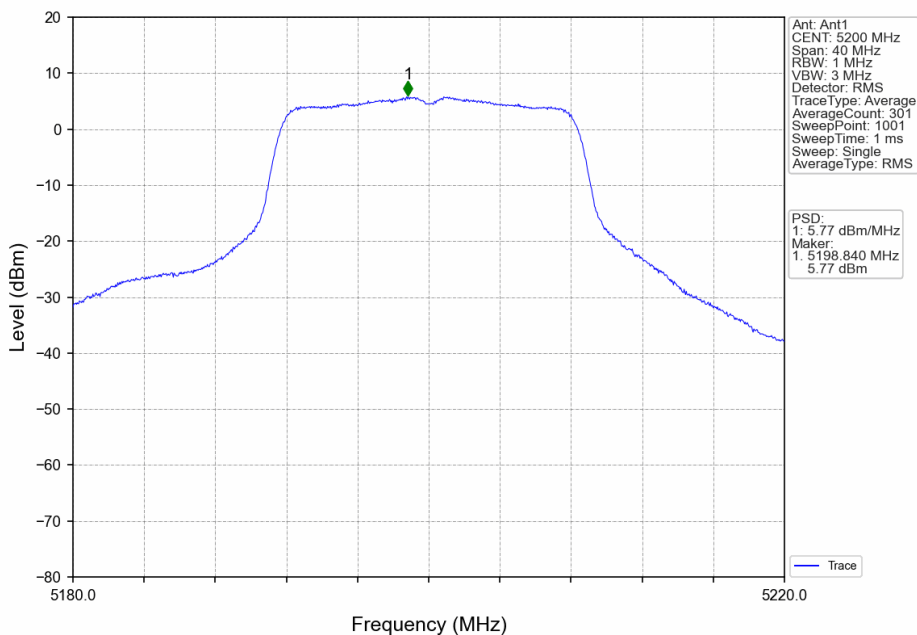
4.1.2 Test Graph



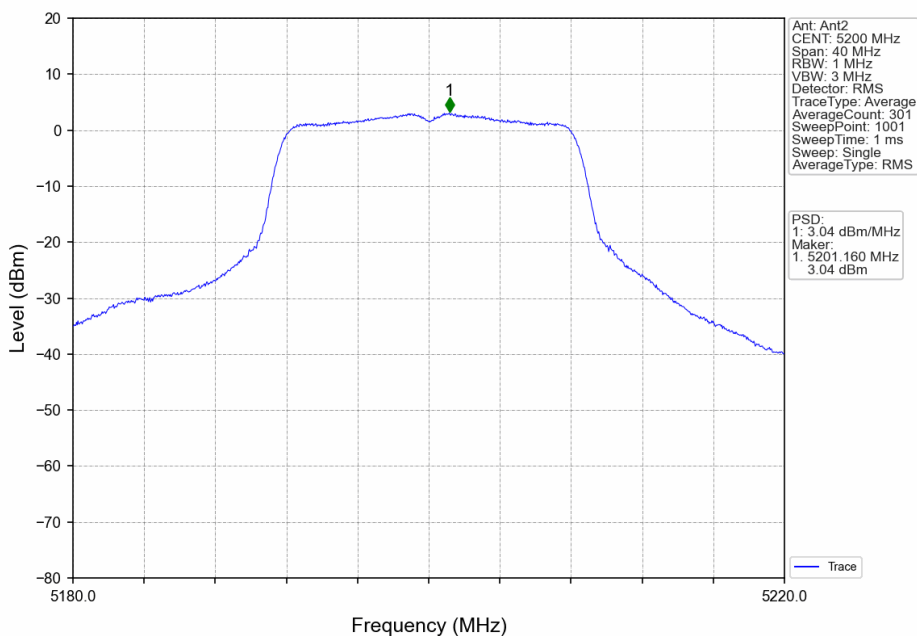
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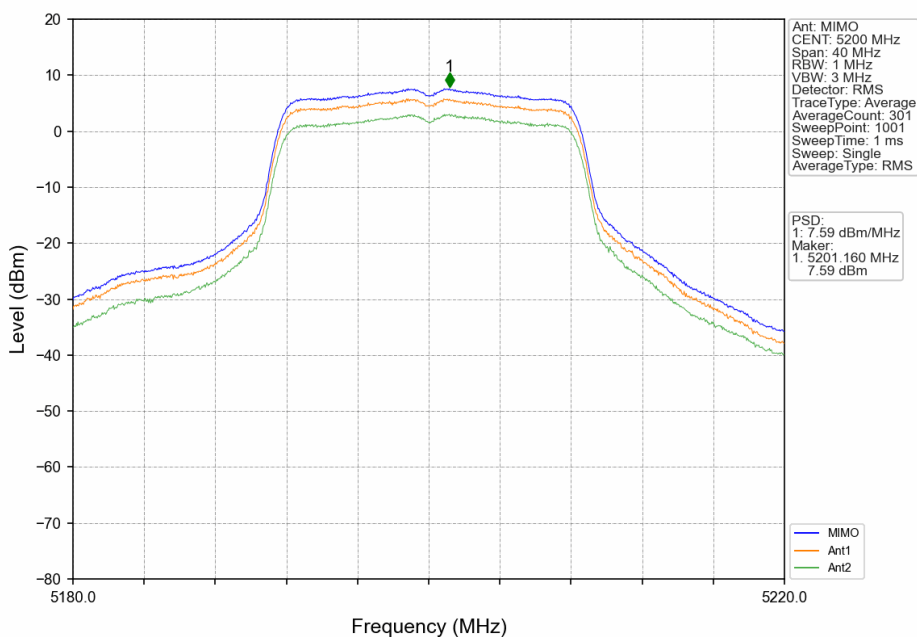
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802.11a_MCH_5200MHz_Ant2_NTNV



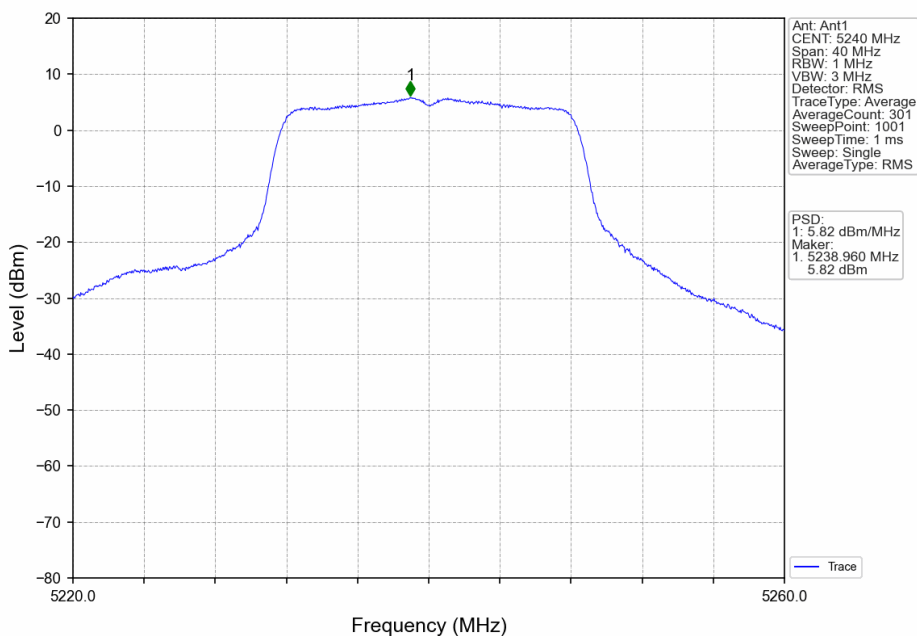
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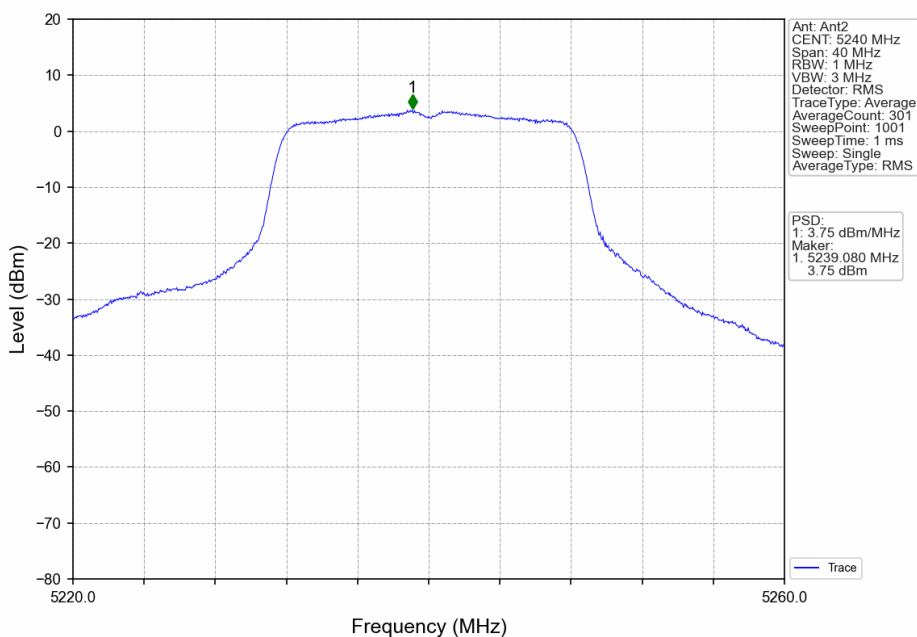
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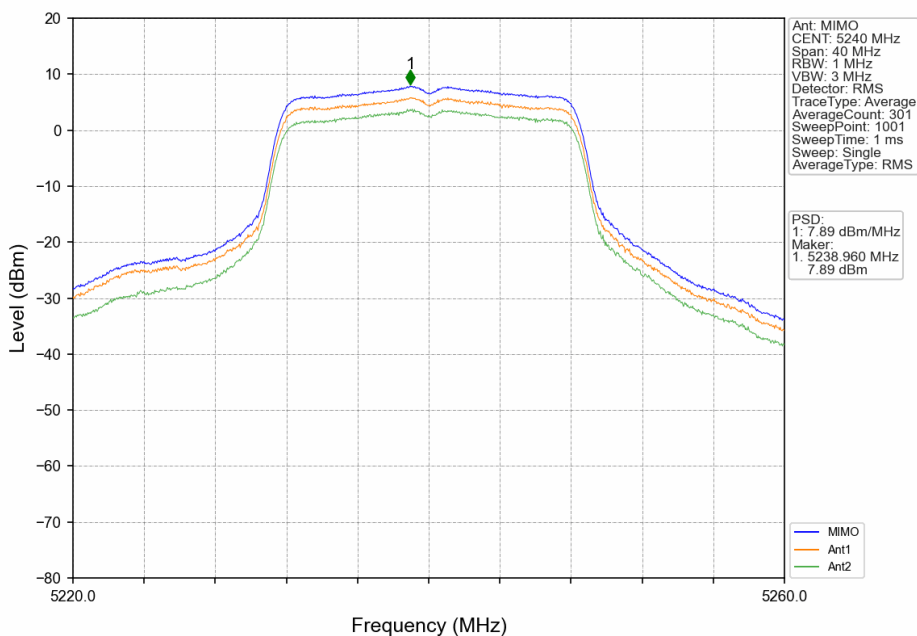
802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



802.11a_HCH_5240MHz_MIMO_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV

