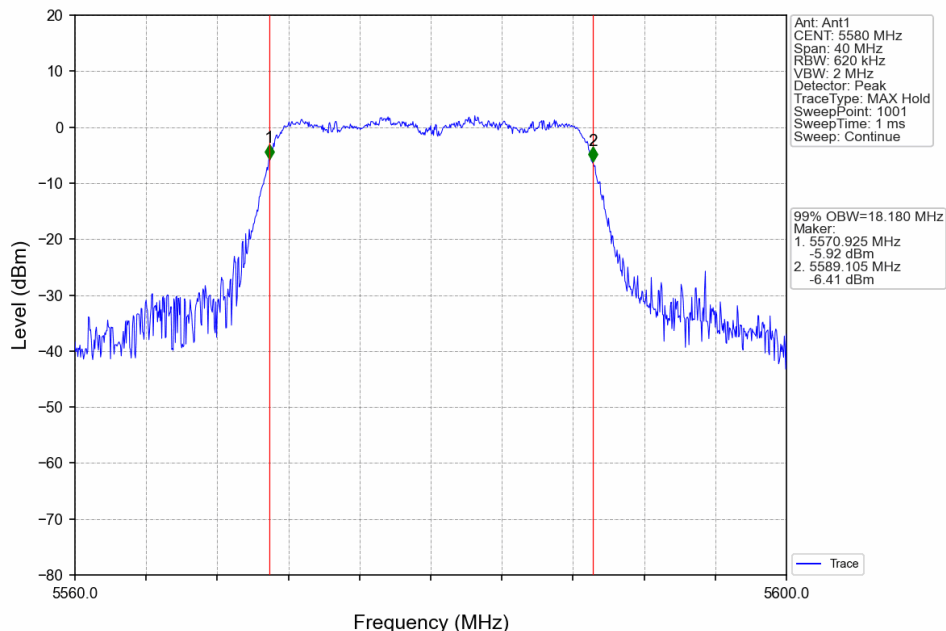
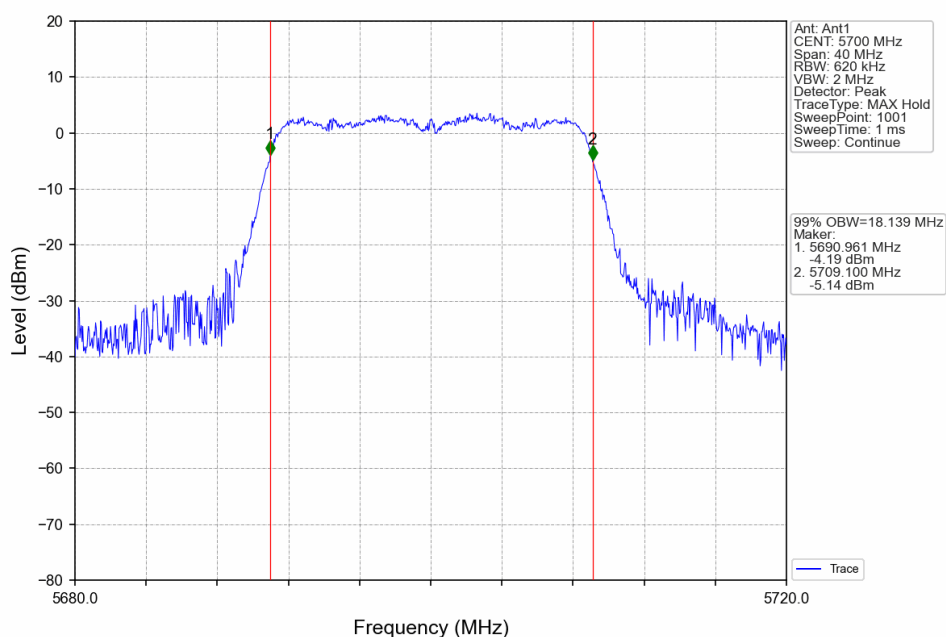


802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



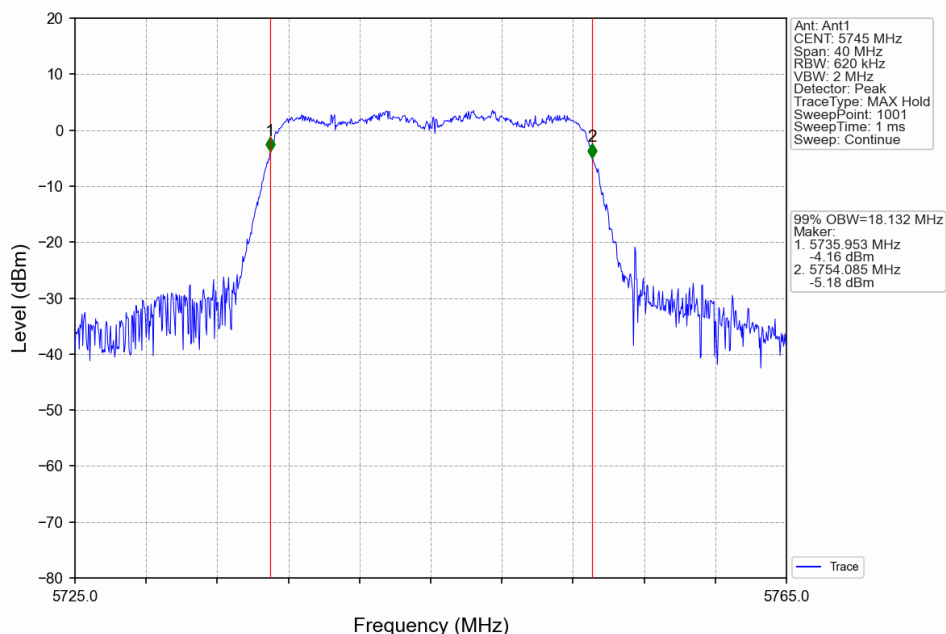
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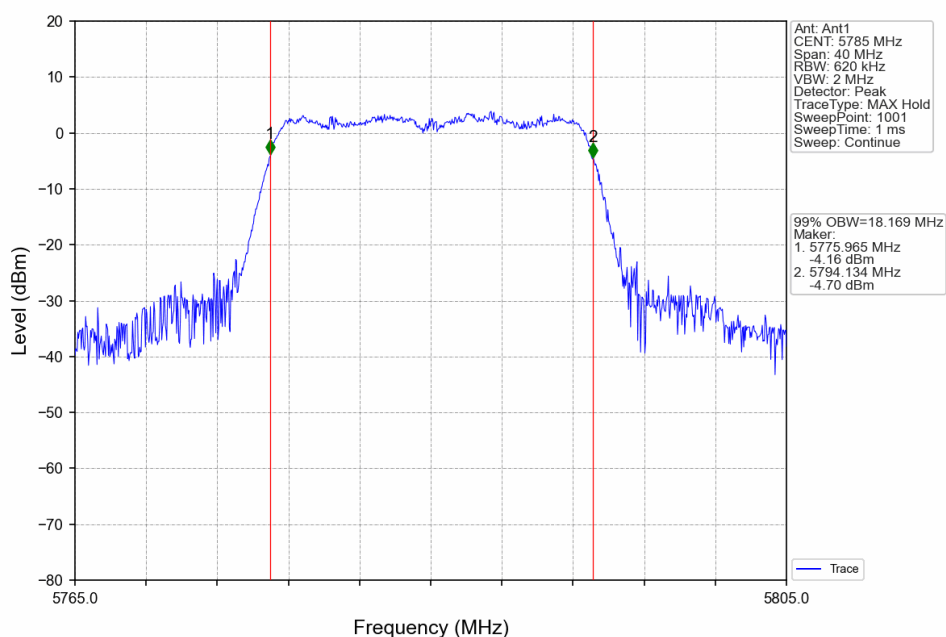
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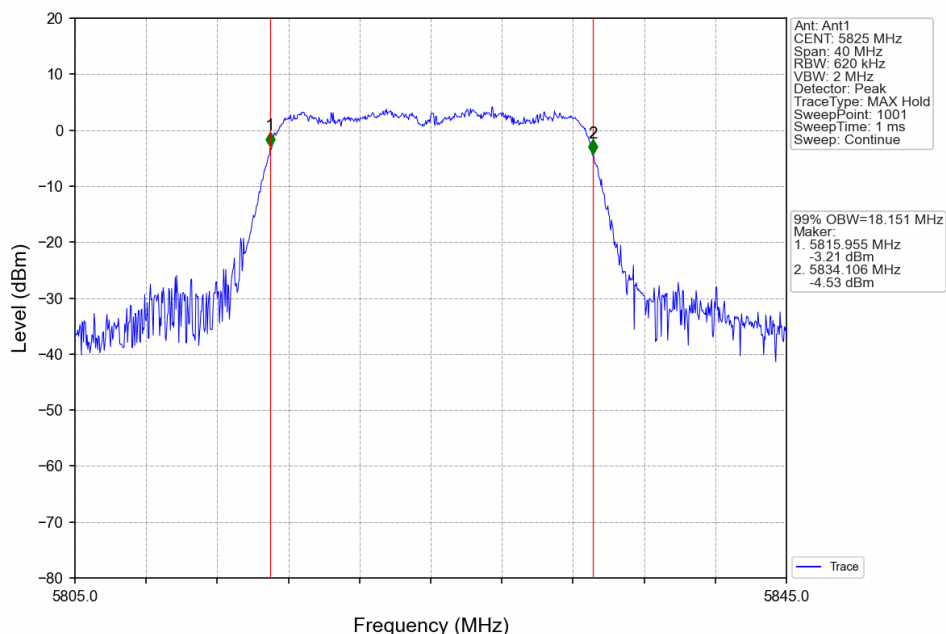
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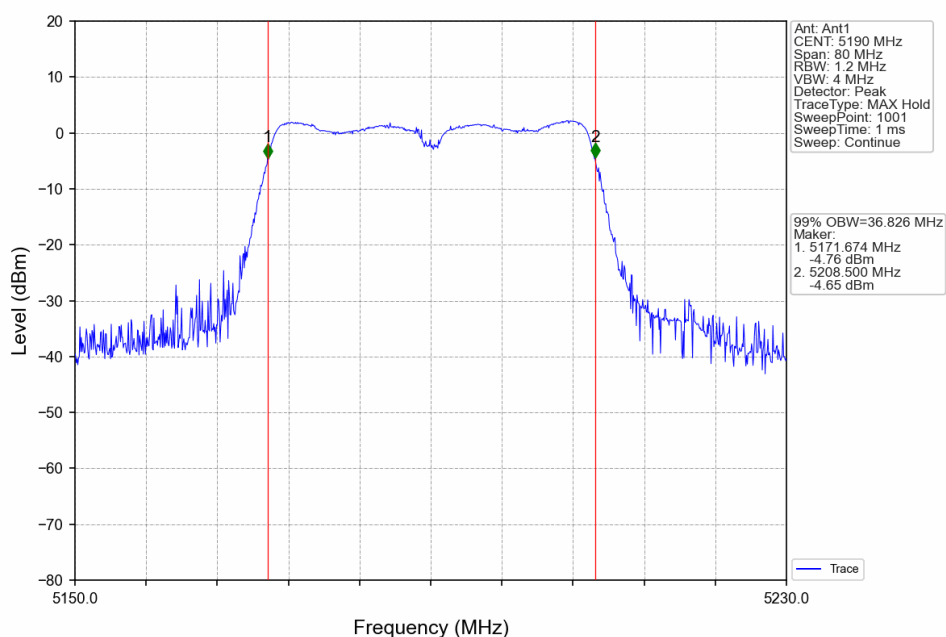
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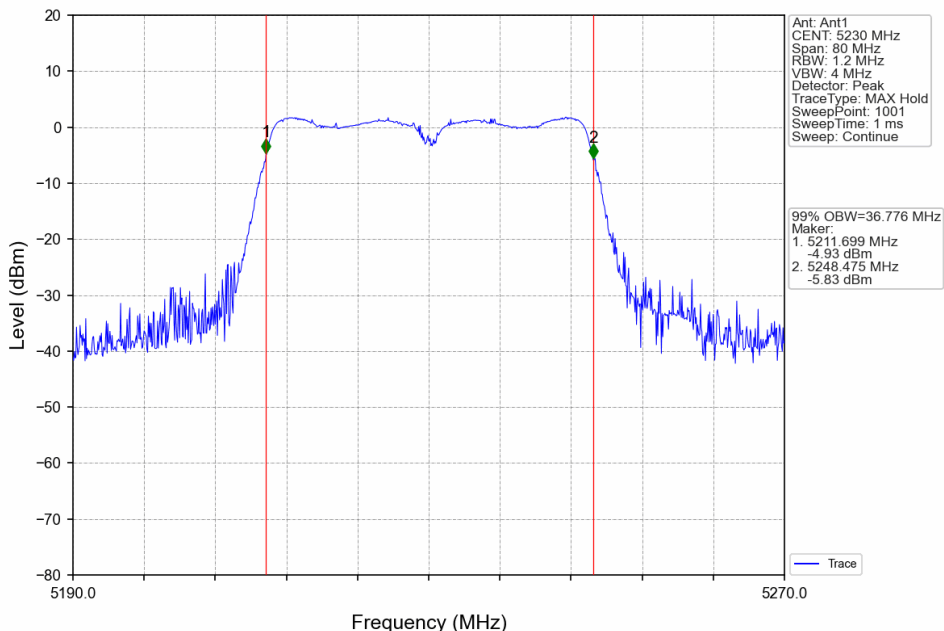
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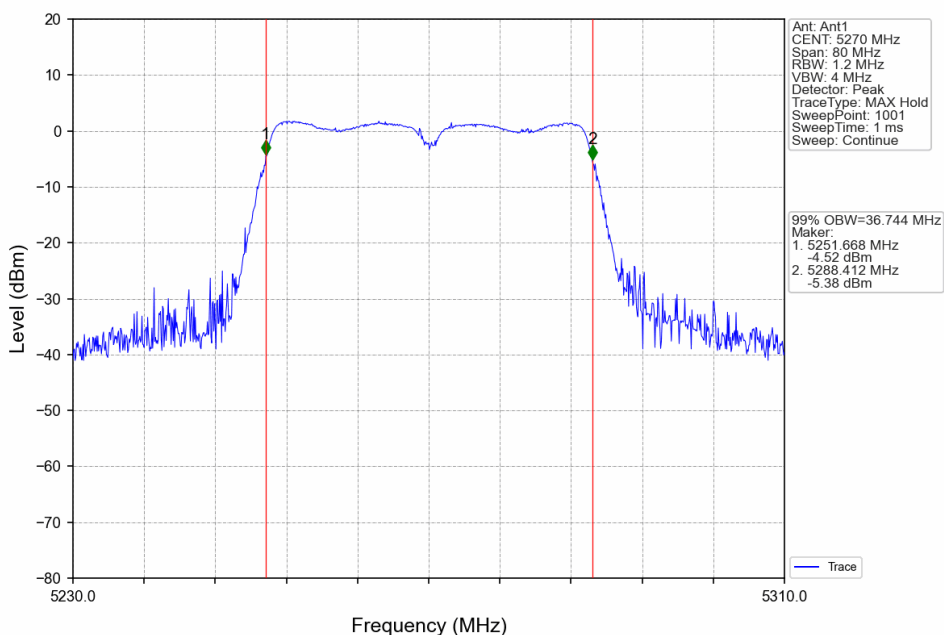
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



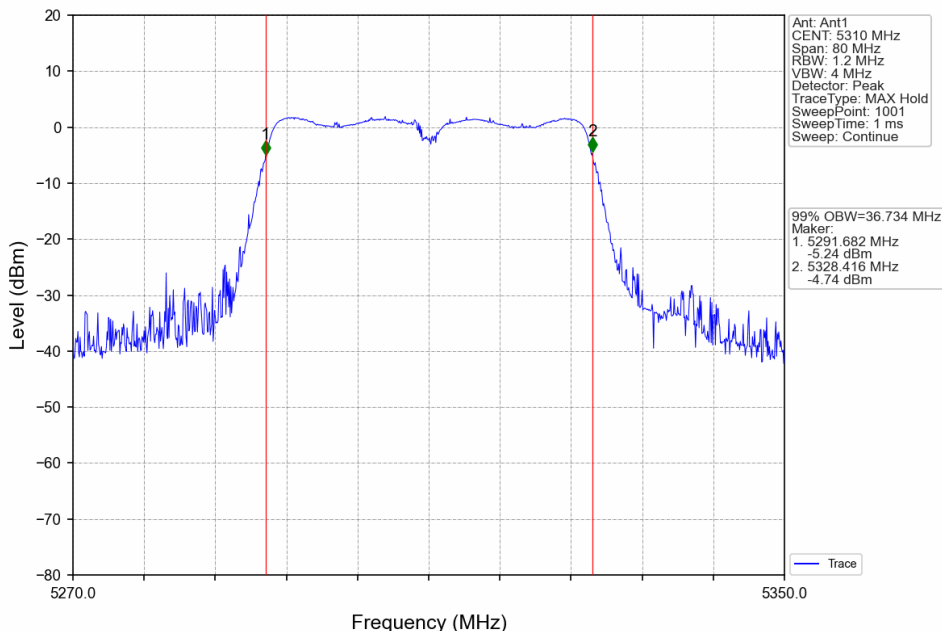
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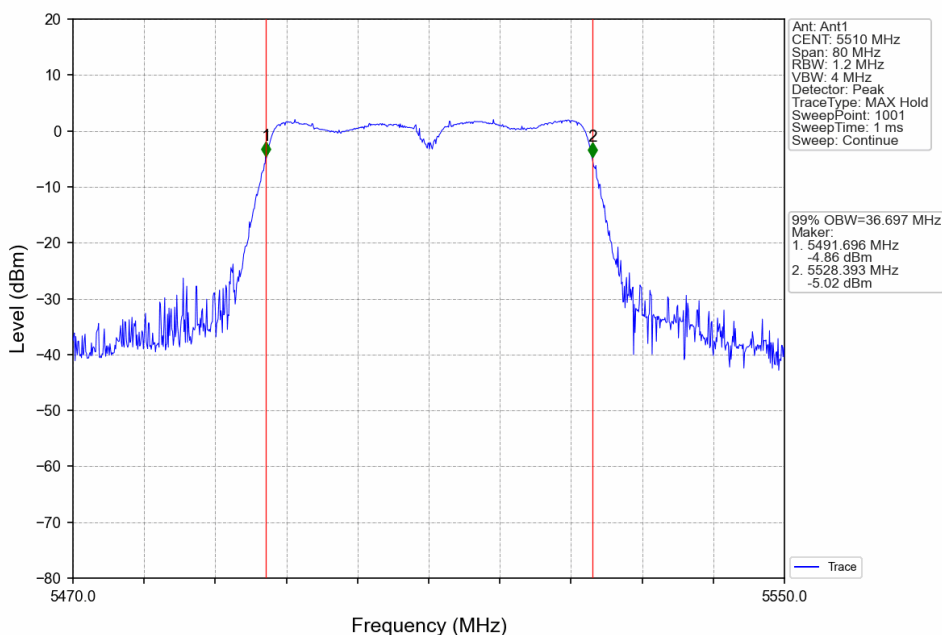
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802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



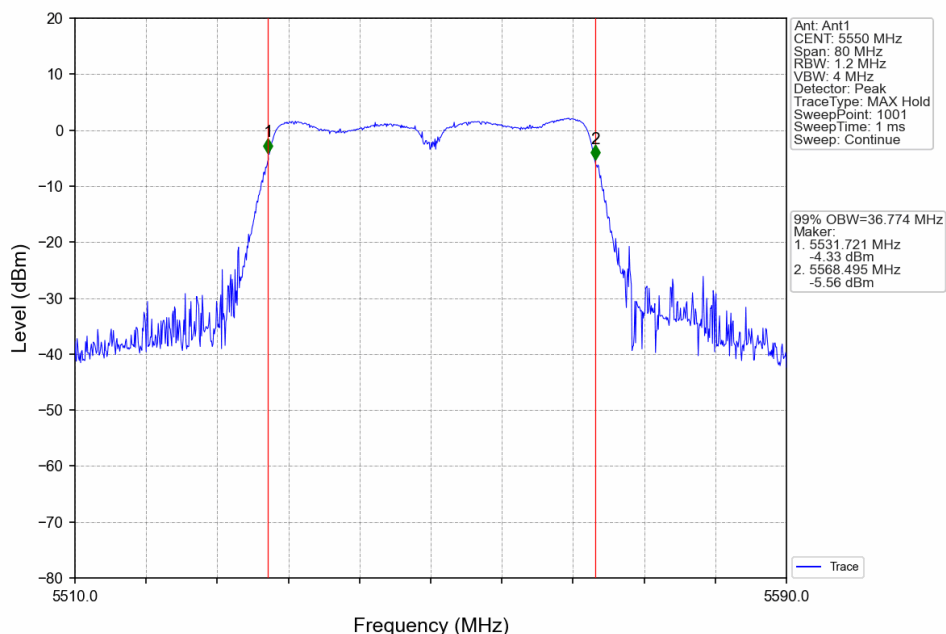
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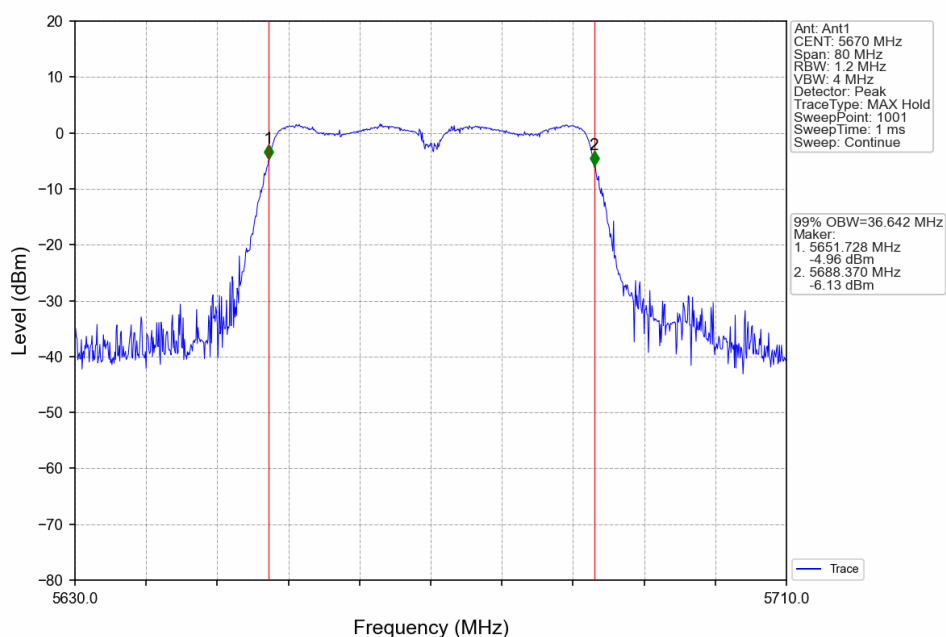
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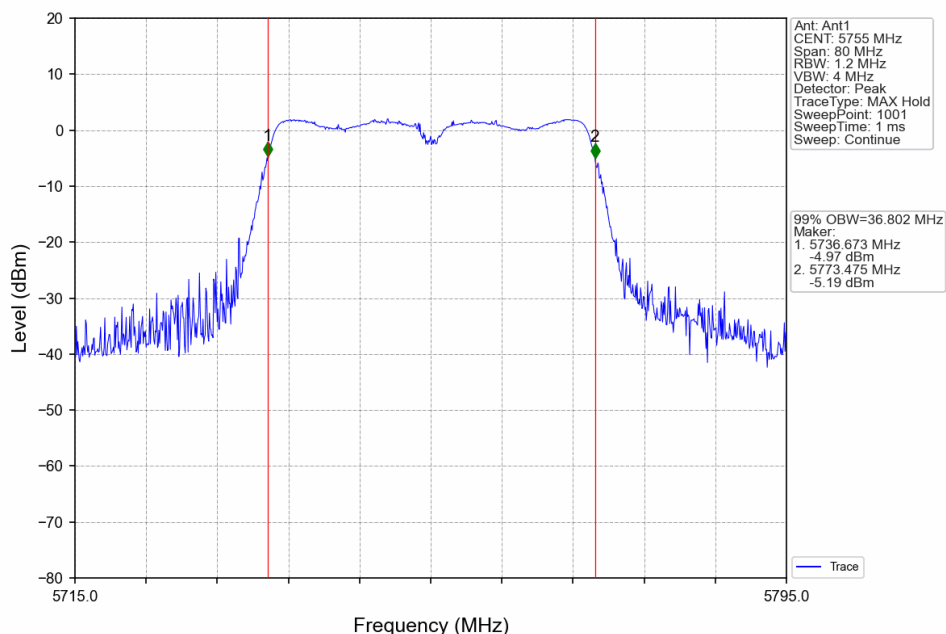
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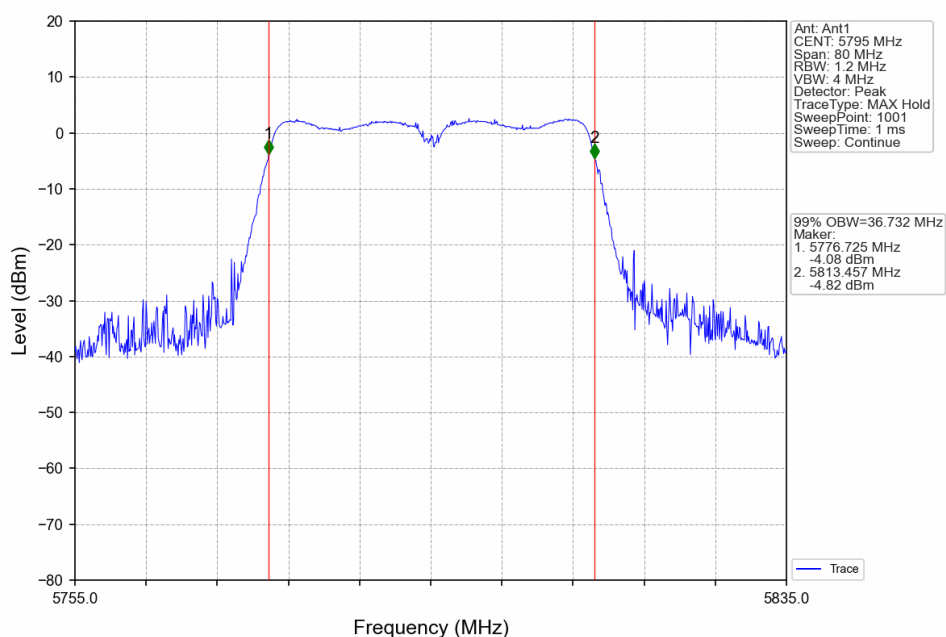
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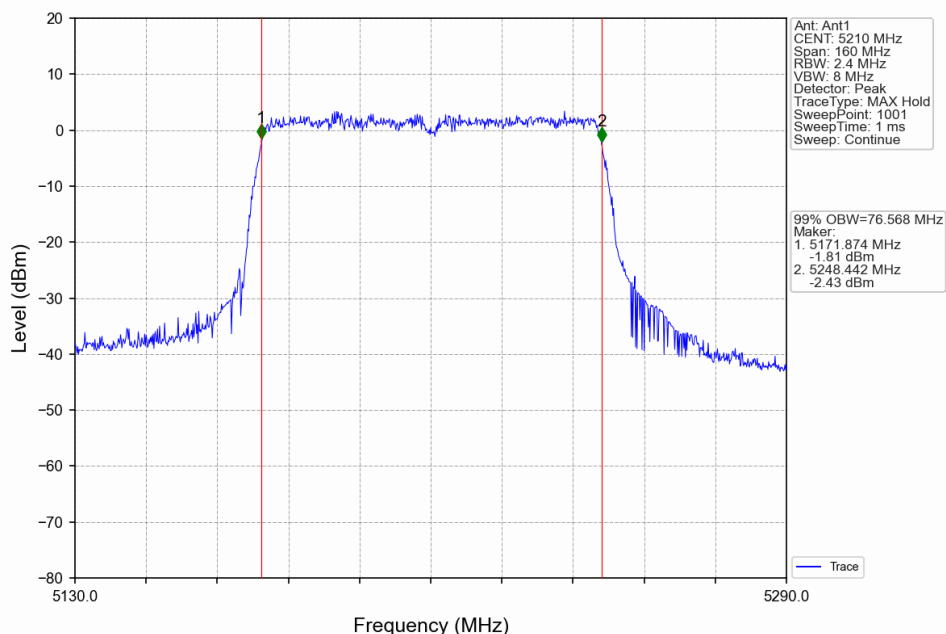
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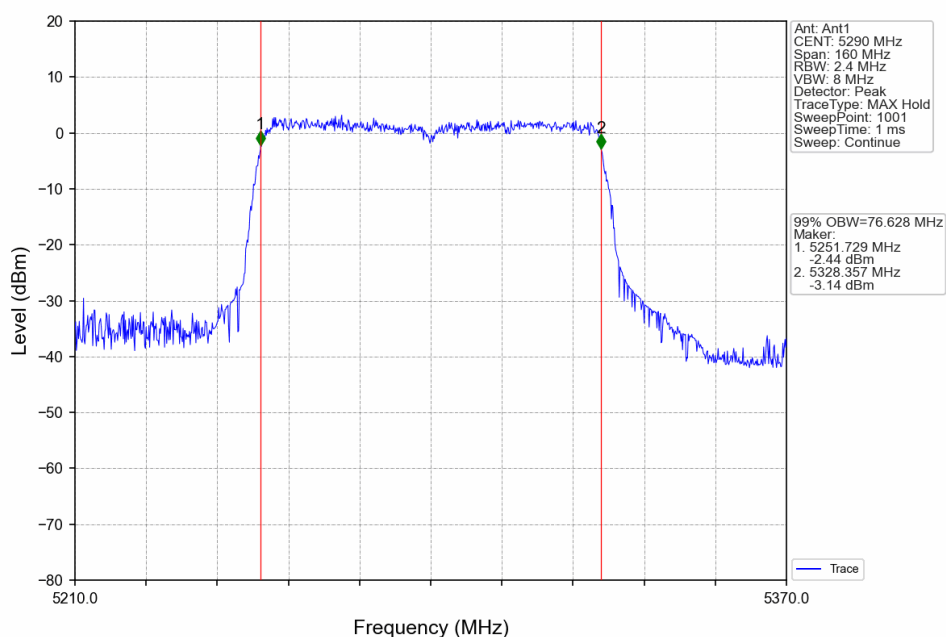
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



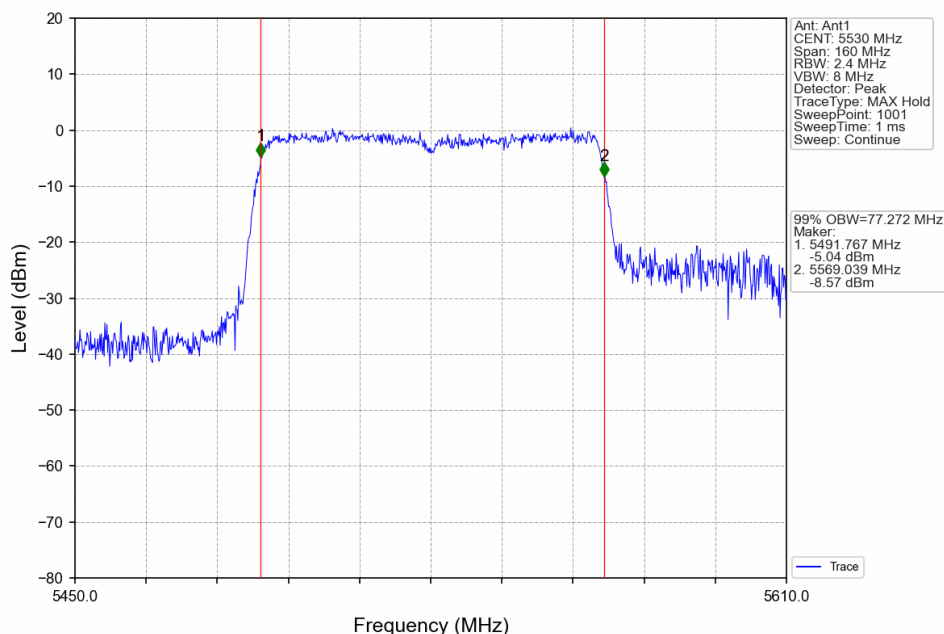
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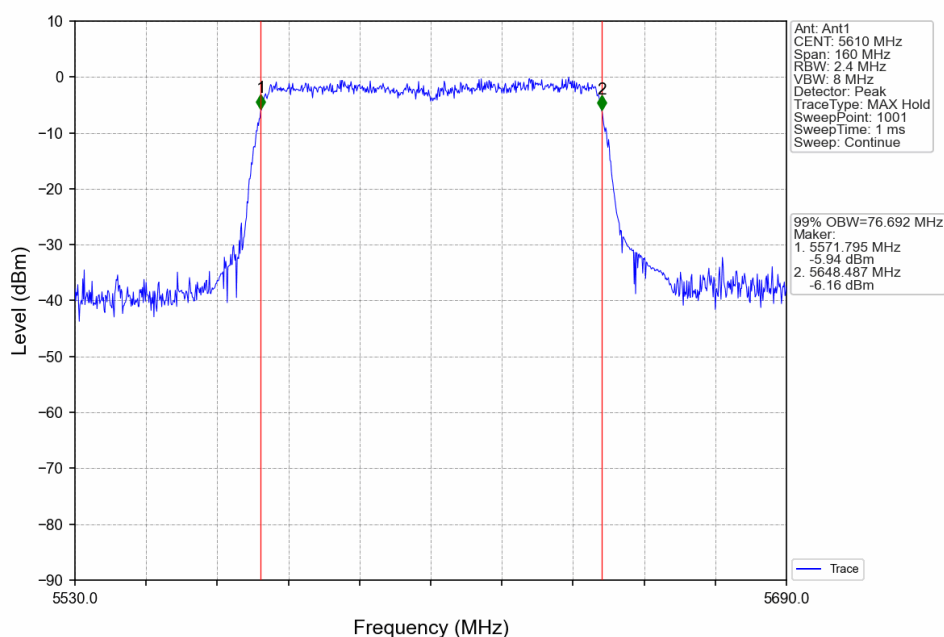
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



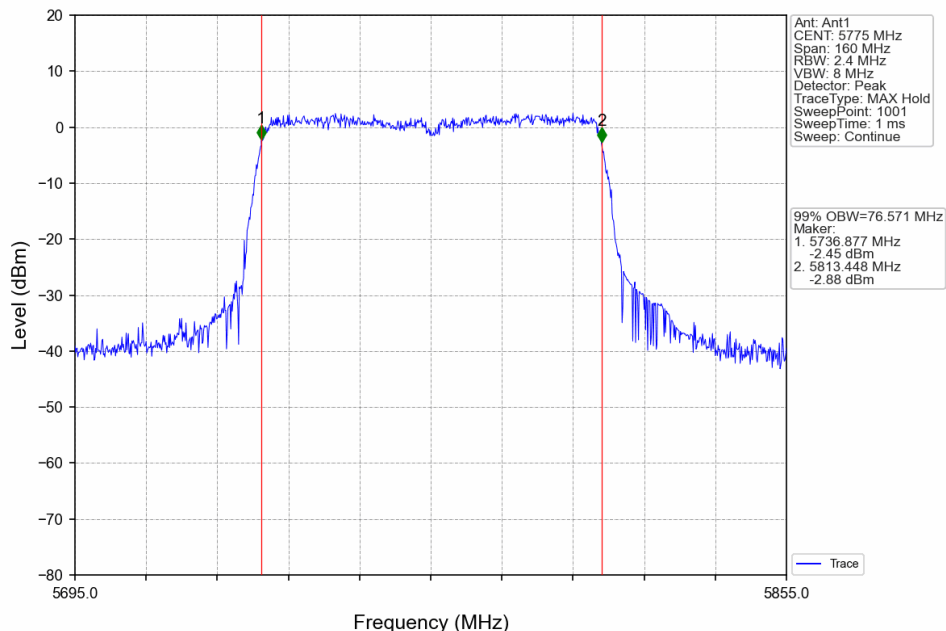
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

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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	16.418	≥ 0.5	Pass
		5785	1	16.421	≥ 0.5	Pass
		5825	1	16.406	≥ 0.5	Pass
802.11n (HT20)	MIMO	5745	1	17.589	≥ 0.5	Pass
		5785	1	17.608	≥ 0.5	Pass
		5825	1	17.616	≥ 0.5	Pass
802.11n (HT40)	MIMO	5755	1	36.075	≥ 0.5	Pass
		5795	1	35.852	≥ 0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	17.599	≥ 0.5	Pass
		5785	1	17.601	≥ 0.5	Pass
		5825	1	17.636	≥ 0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.842	≥ 0.5	Pass
		5795	1	35.844	≥ 0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	76.289	≥ 0.5	Pass



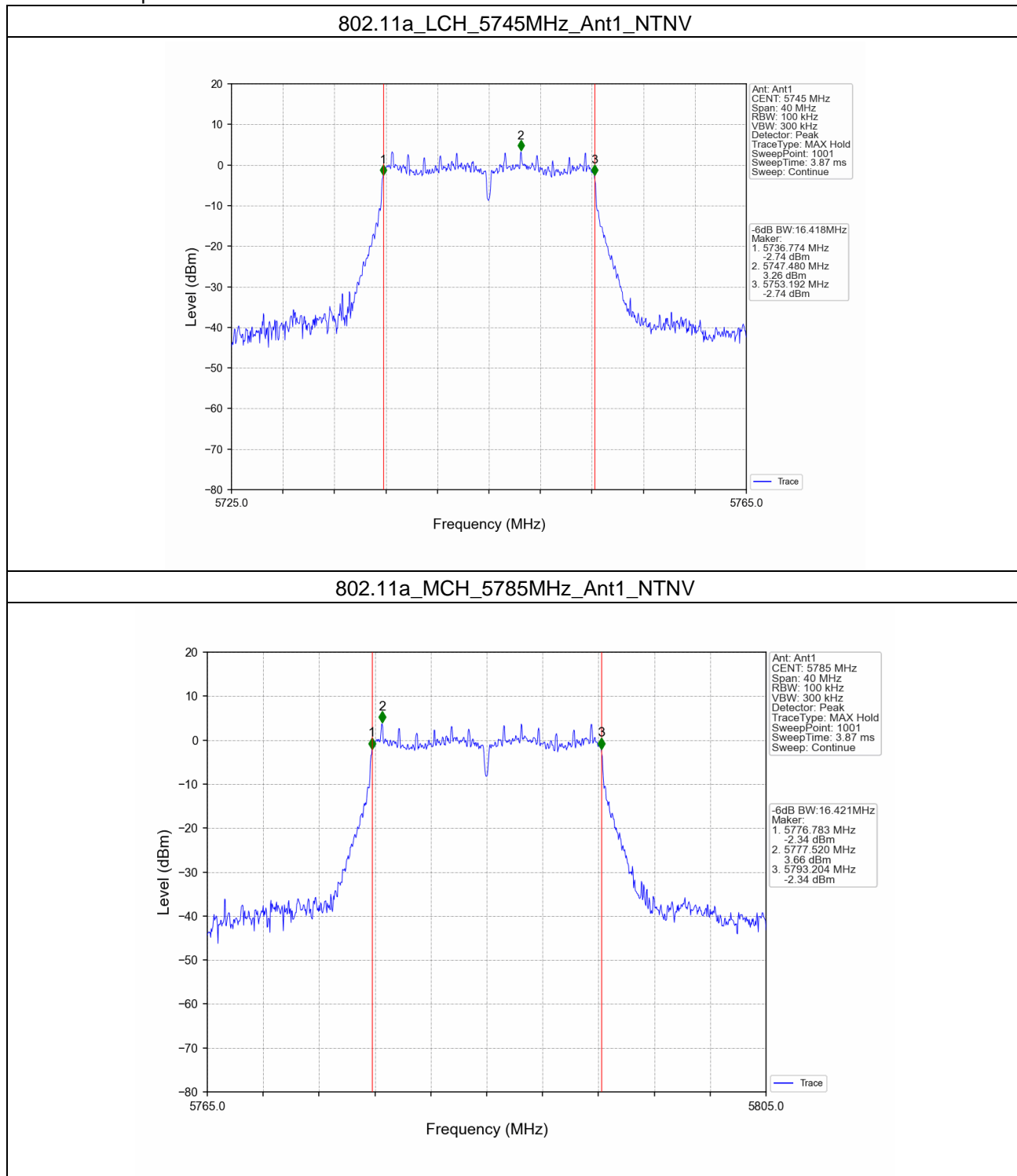
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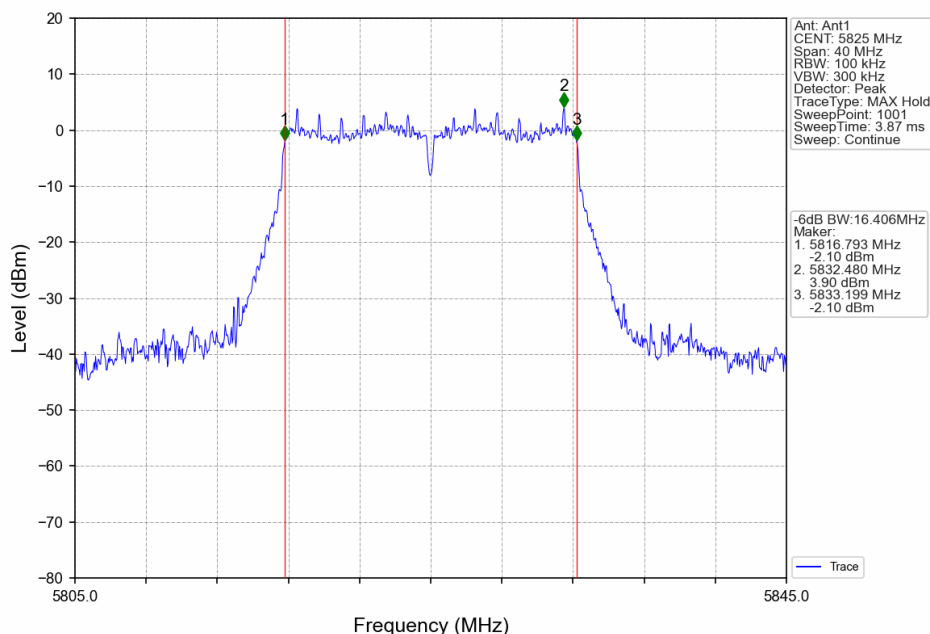
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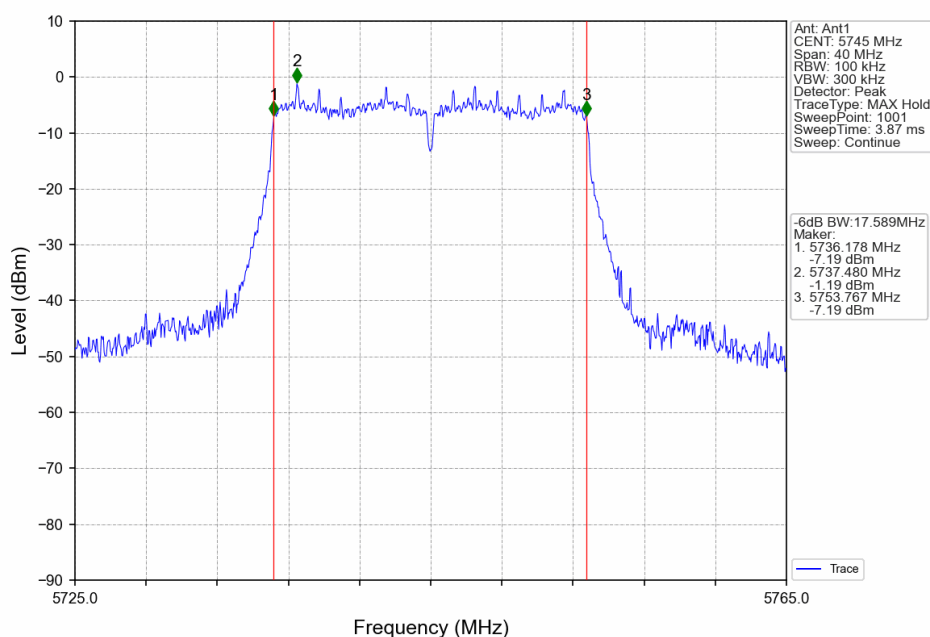
2.2.2 Test Graph



802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



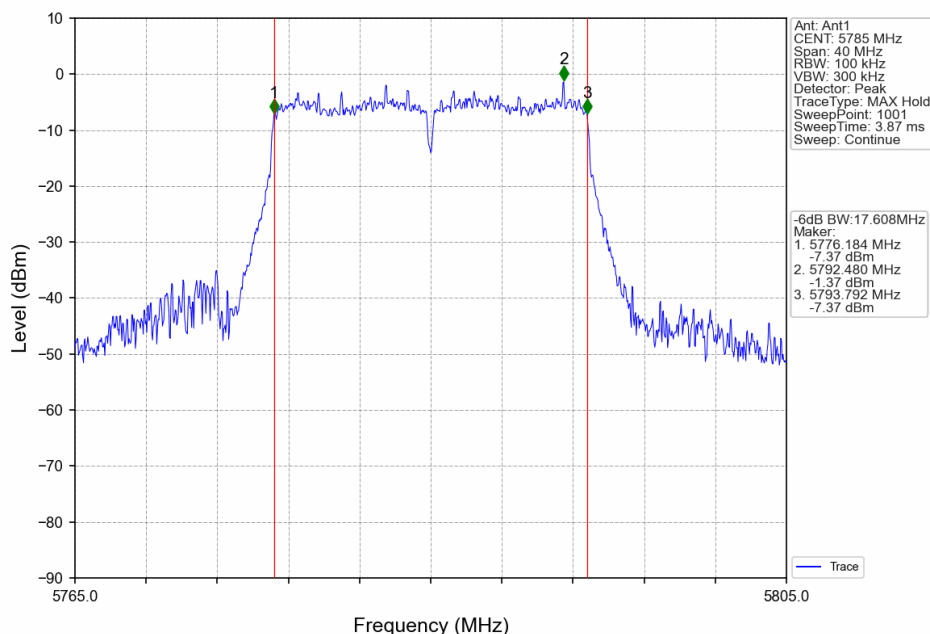
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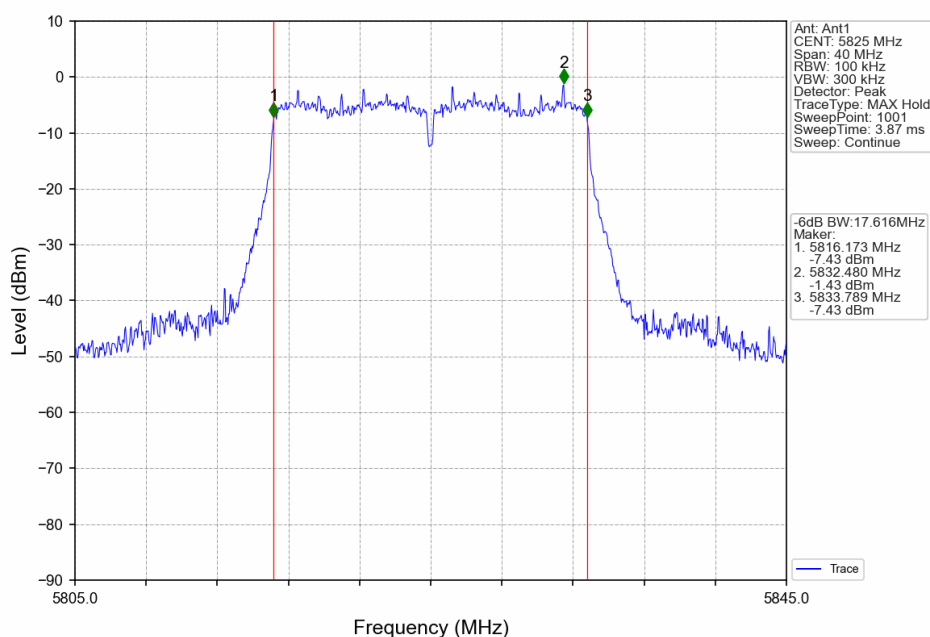
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



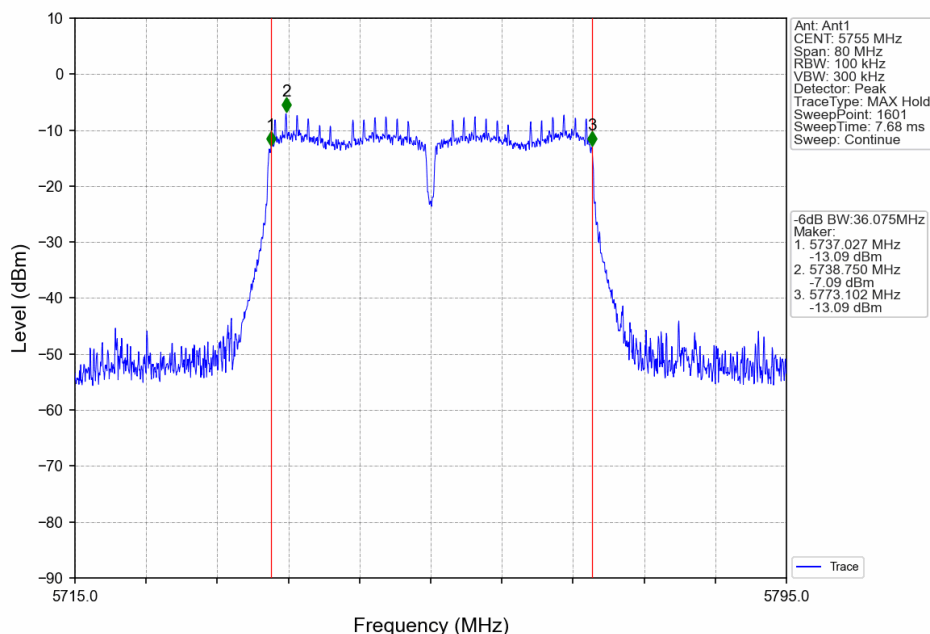
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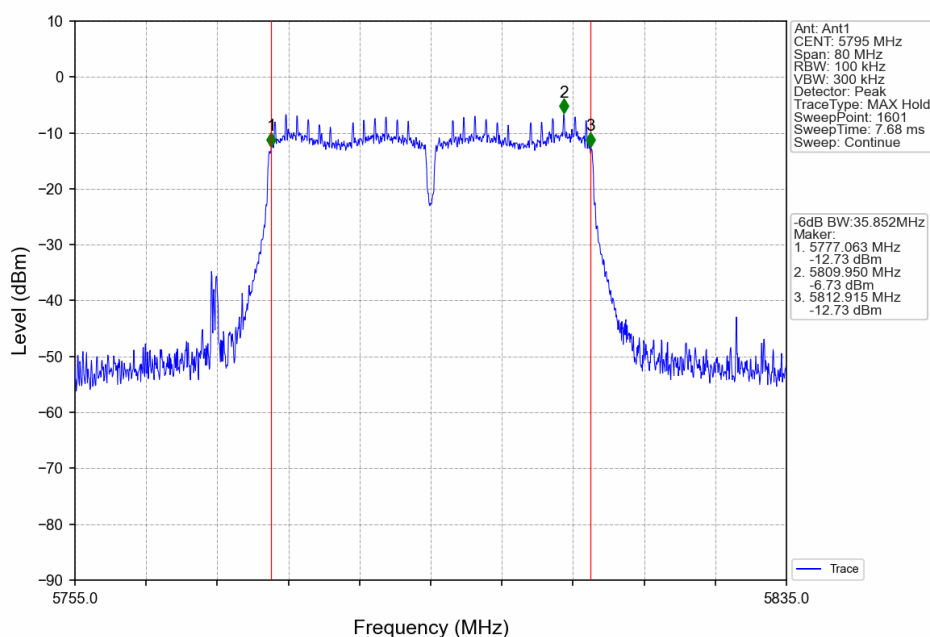
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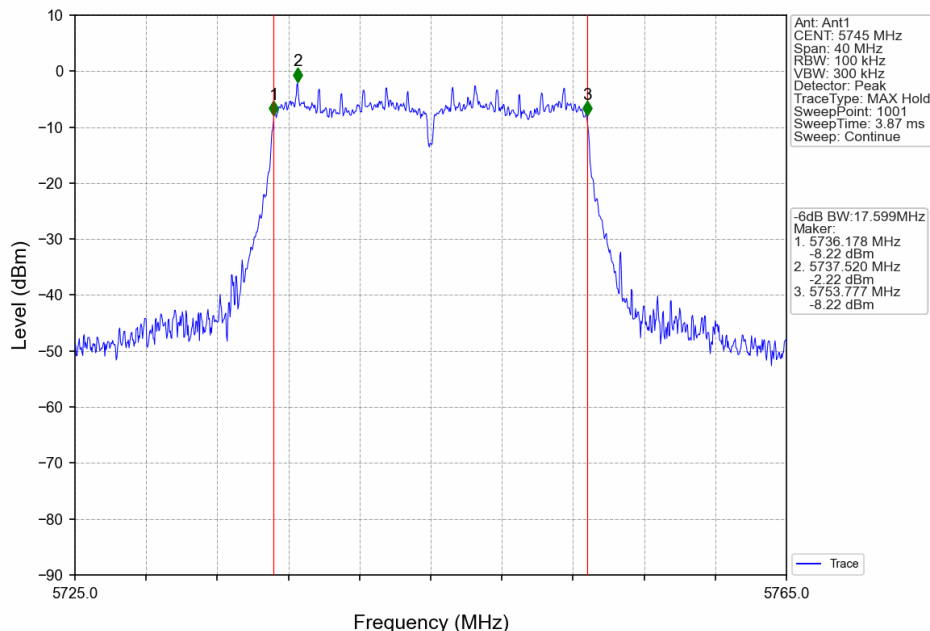
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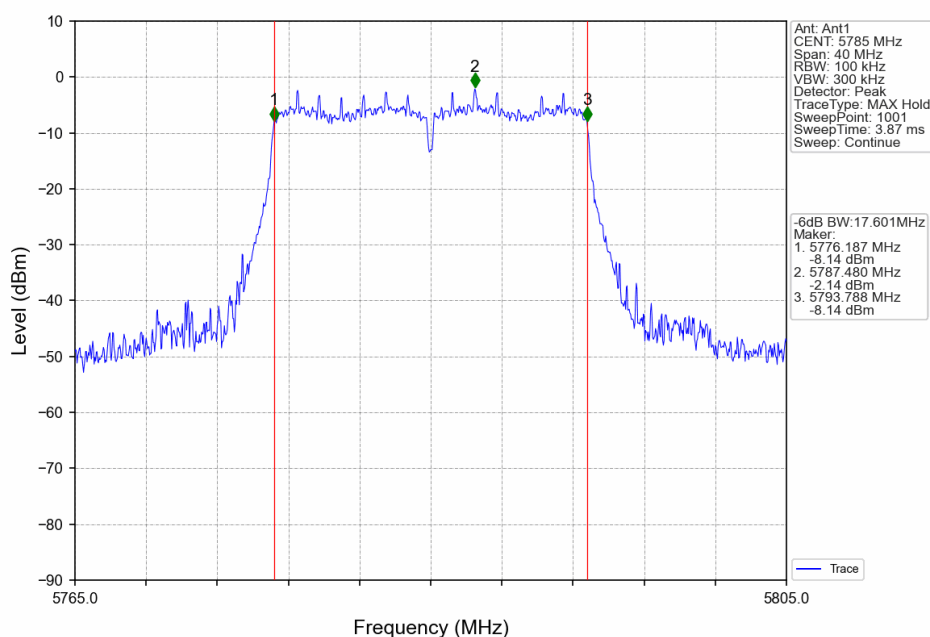
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



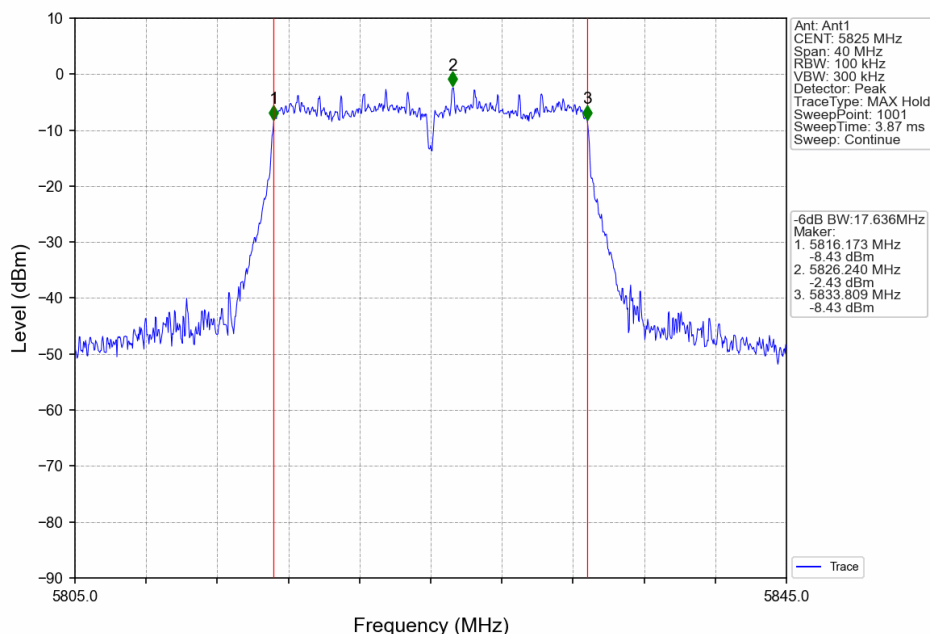
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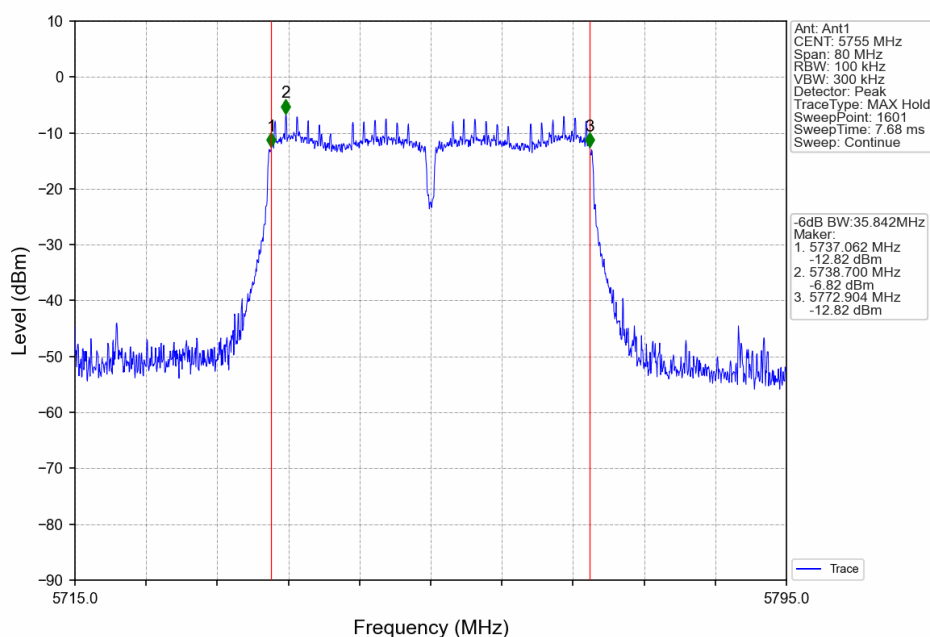
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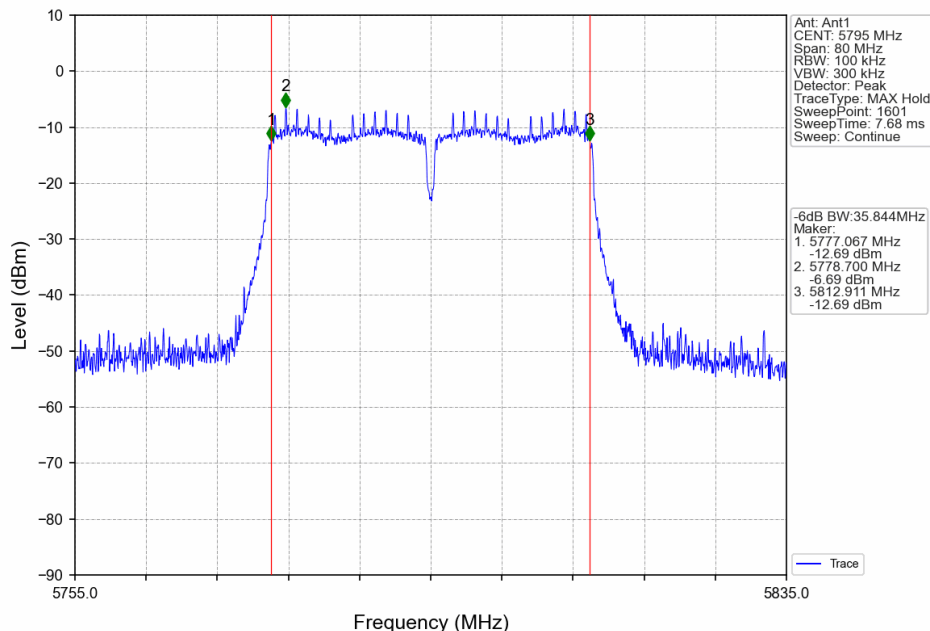
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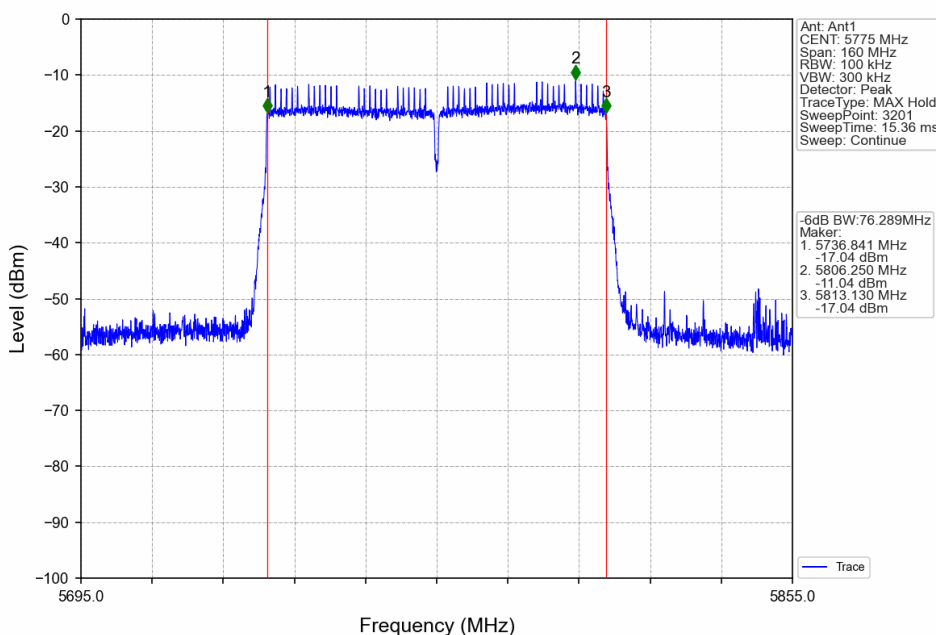
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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	
802.11a	SISO	5180	1	19.799	Pass
		5200	1	19.601	Pass
		5240	1	19.876	Pass
		5260	1	20.056	Pass
		5300	1	19.767	Pass
		5320	1	20.090	Pass
		5500	1	19.773	Pass
		5580	1	19.776	Pass
		5700	1	19.815	Pass
802.11n (HT20)	MIMO	5180	1	20.058	Pass
		5200	1	20.218	Pass
		5240	1	20.111	Pass
		5260	1	20.155	Pass
		5300	1	20.175	Pass
		5320	1	20.077	Pass
		5500	1	20.217	Pass
		5580	1	20.334	Pass
802.11n (HT40)	MIMO	5190	1	40.814	Pass
		5230	1	41.155	Pass
		5270	1	40.546	Pass
		5310	1	40.726	Pass
		5510	1	40.592	Pass
		5550	1	40.503	Pass
		5670	1	40.701	Pass
802.11ac (VHT20)	MIMO	5180	1	20.090	Pass
		5200	1	20.170	Pass
		5240	1	20.079	Pass
		5260	1	19.981	Pass
		5300	1	20.680	Pass
		5320	1	20.210	Pass
		5500	1	20.163	Pass



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		5580	1	20.231	Pass
		5700	1	20.092	Pass
802.11ac (VHT40)	MIMO	5190	1	40.906	Pass
		5230	1	40.836	Pass
		5270	1	40.742	Pass
		5310	1	40.876	Pass
		5510	1	40.648	Pass
		5550	1	40.695	Pass
		5670	1	41.131	Pass
802.11ac (VHT80)	MIMO	5210	1	81.593	Pass
		5290	1	82.048	Pass
		5530	1	81.930	Pass
		5610	1	81.628	Pass



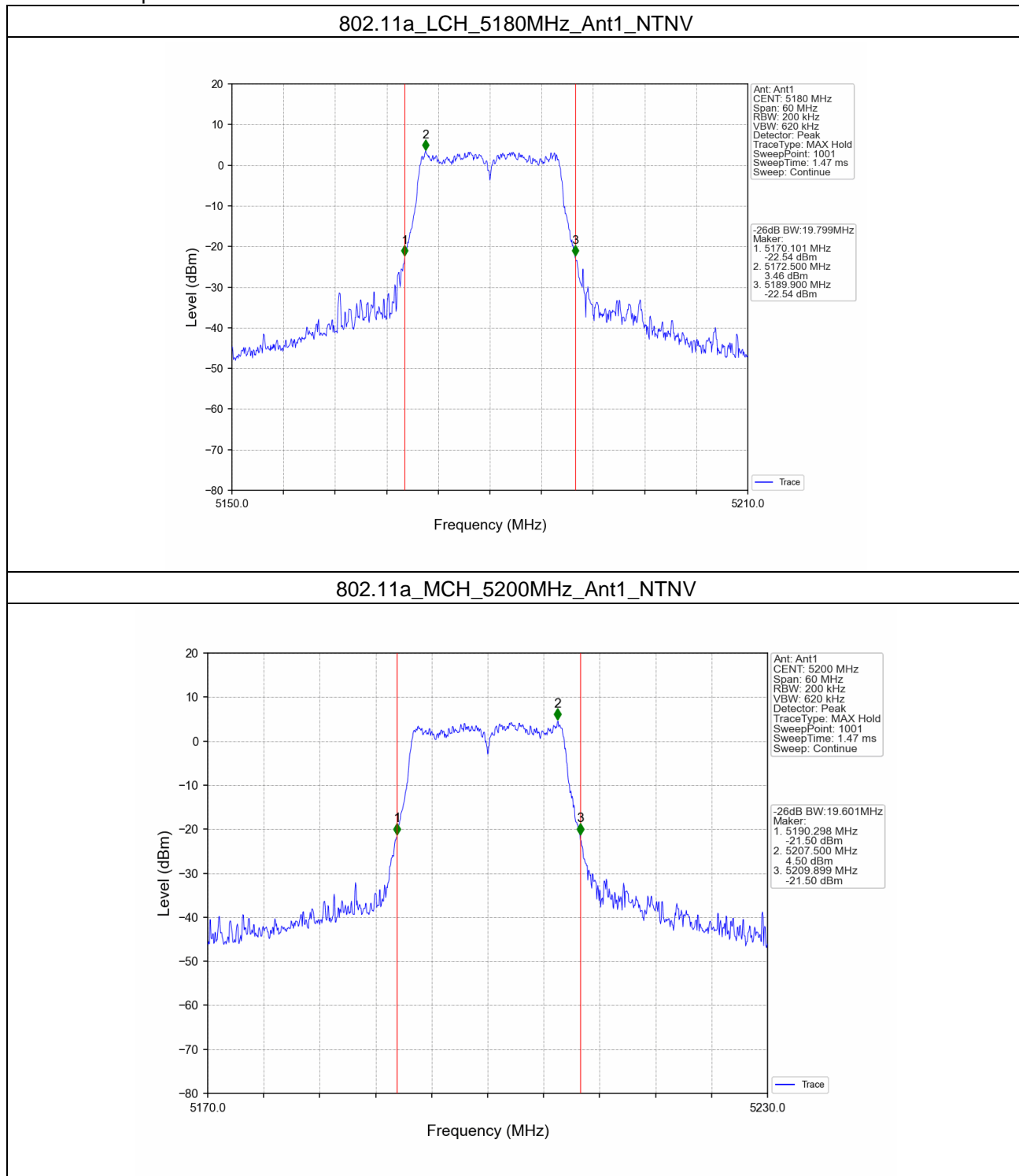
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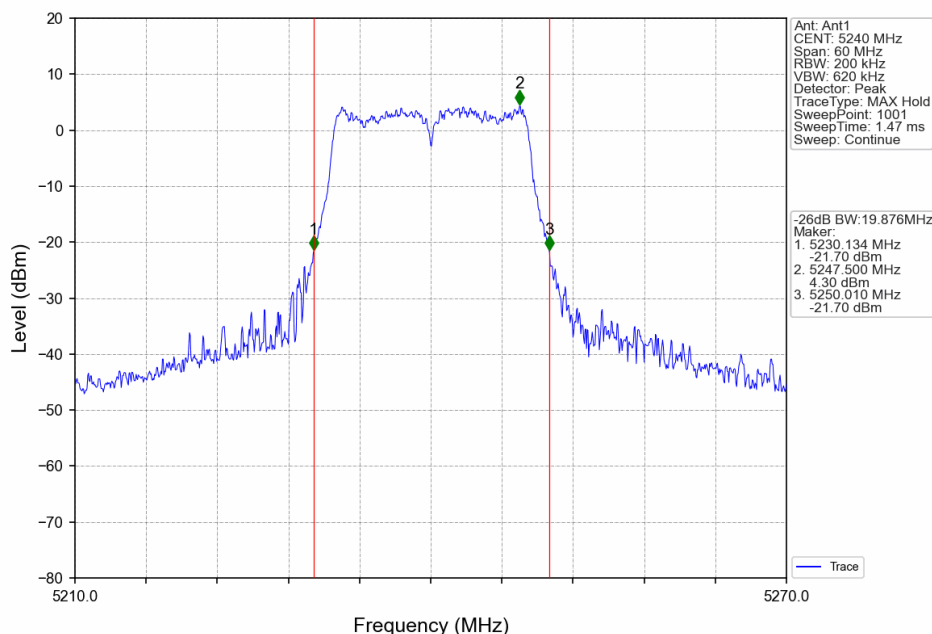
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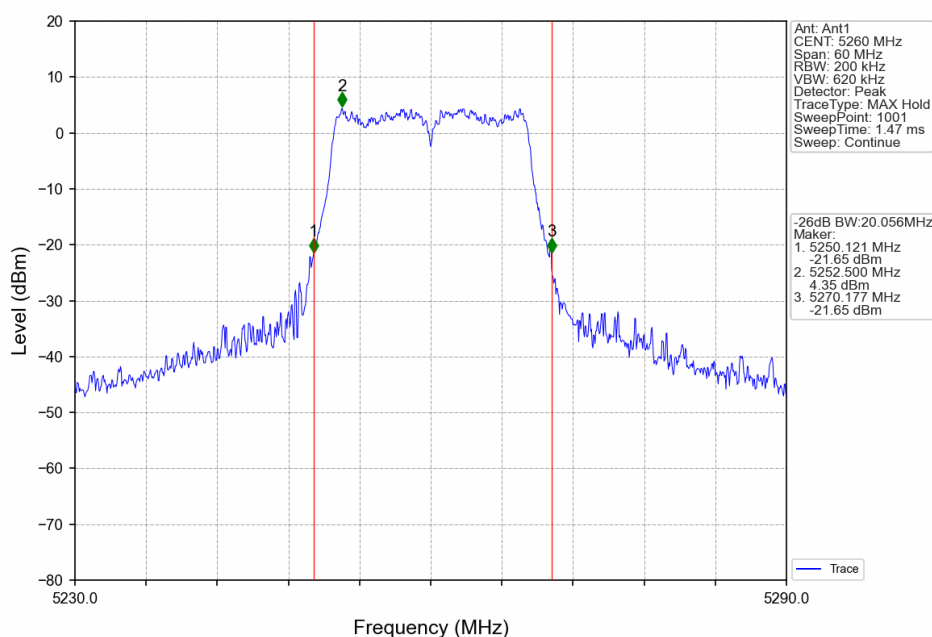
2.3.2 Test Graph



802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



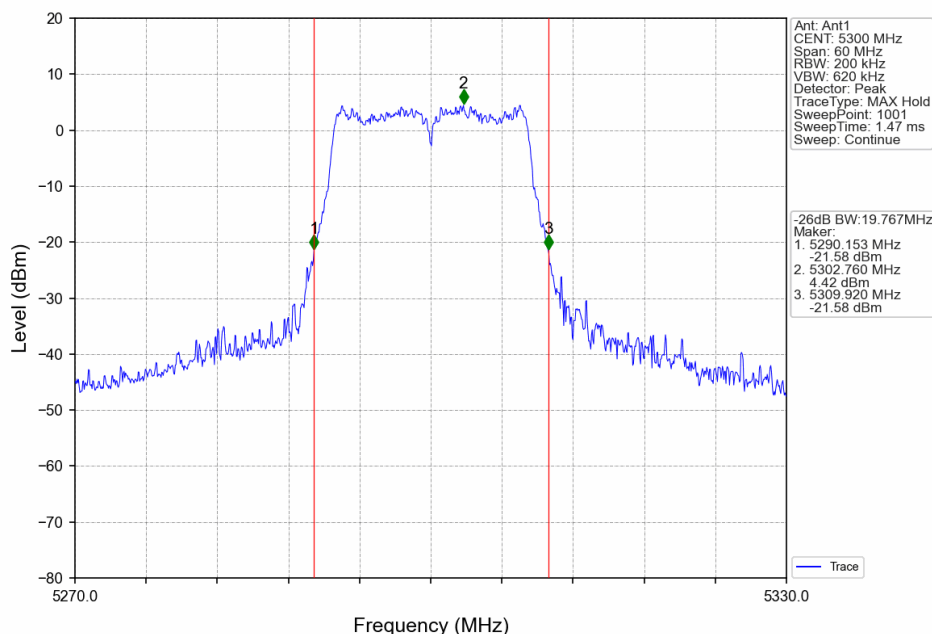
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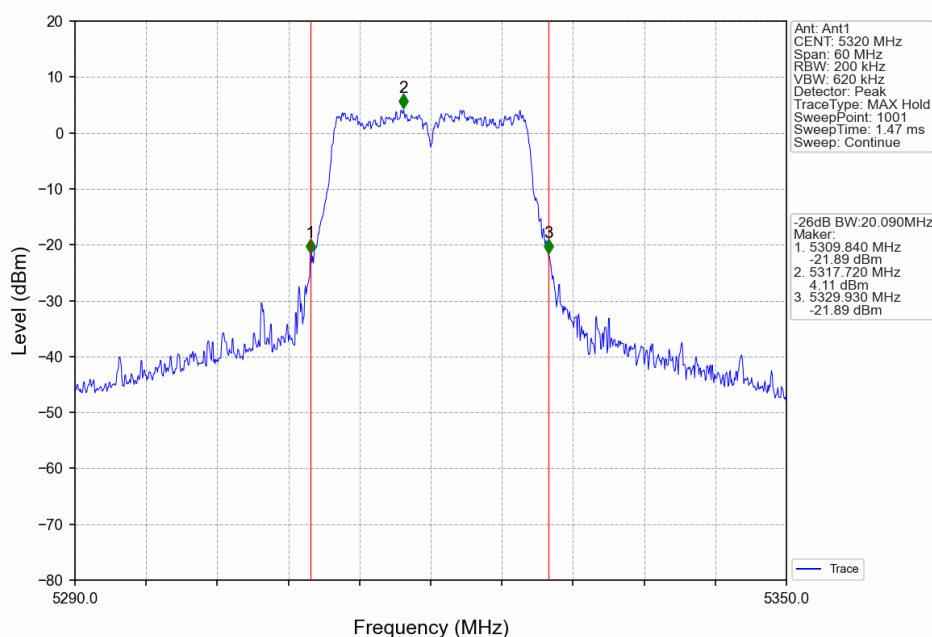
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



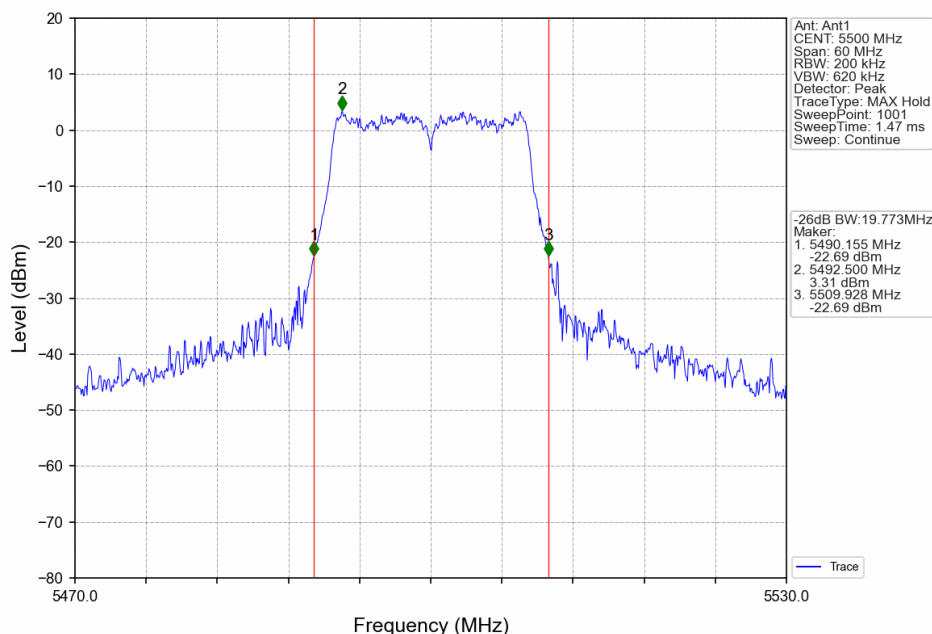
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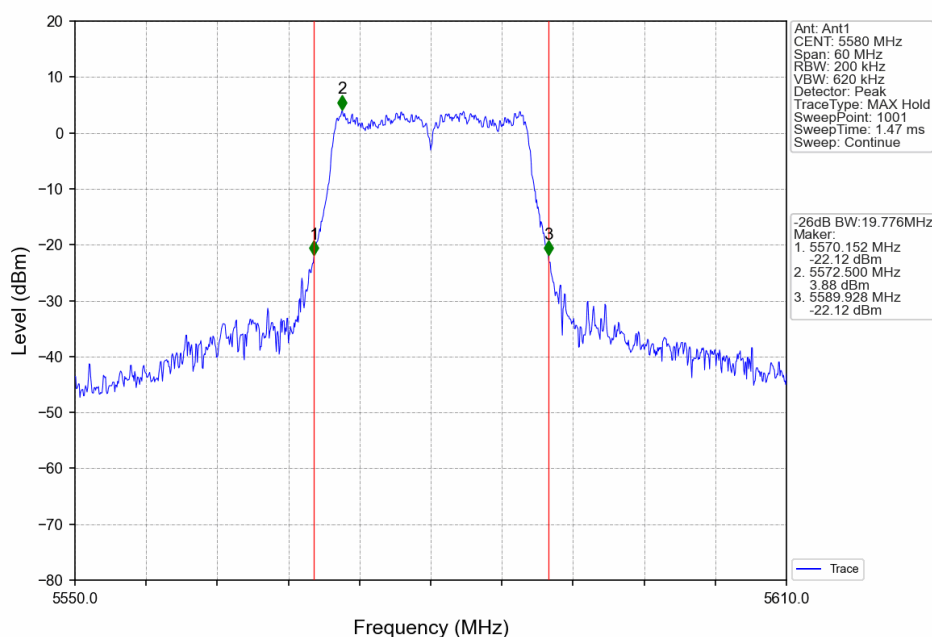
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



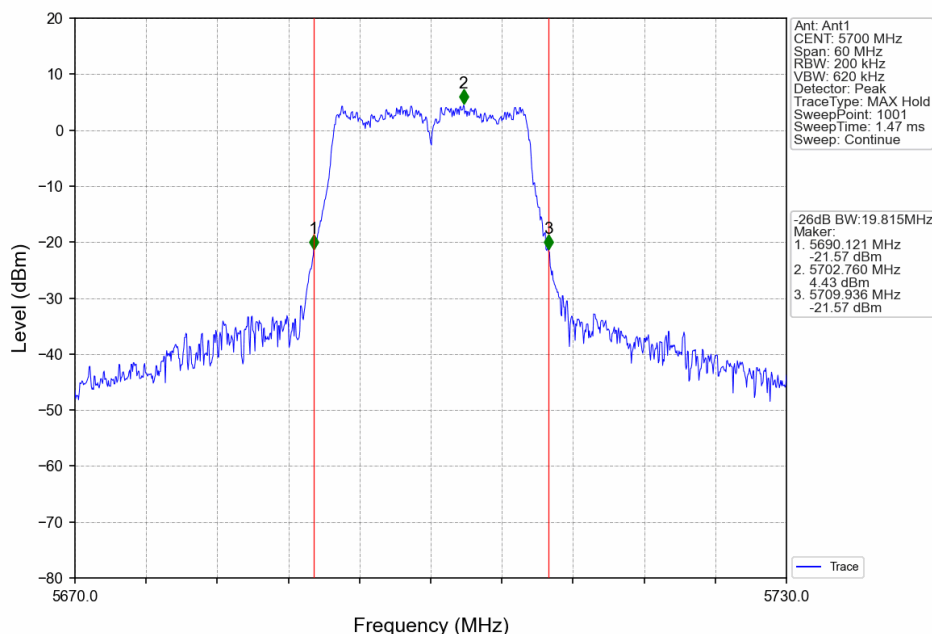
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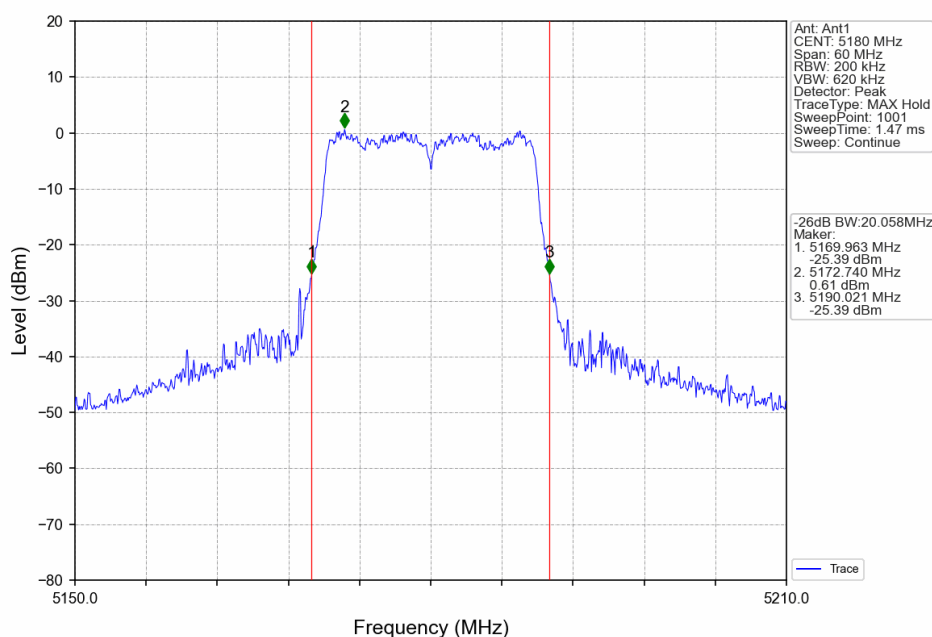
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



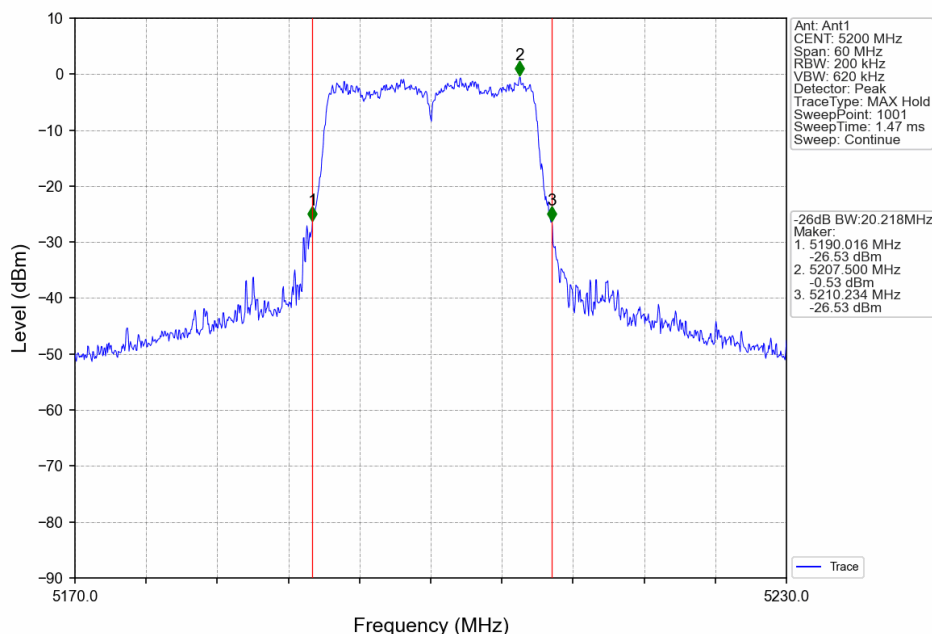
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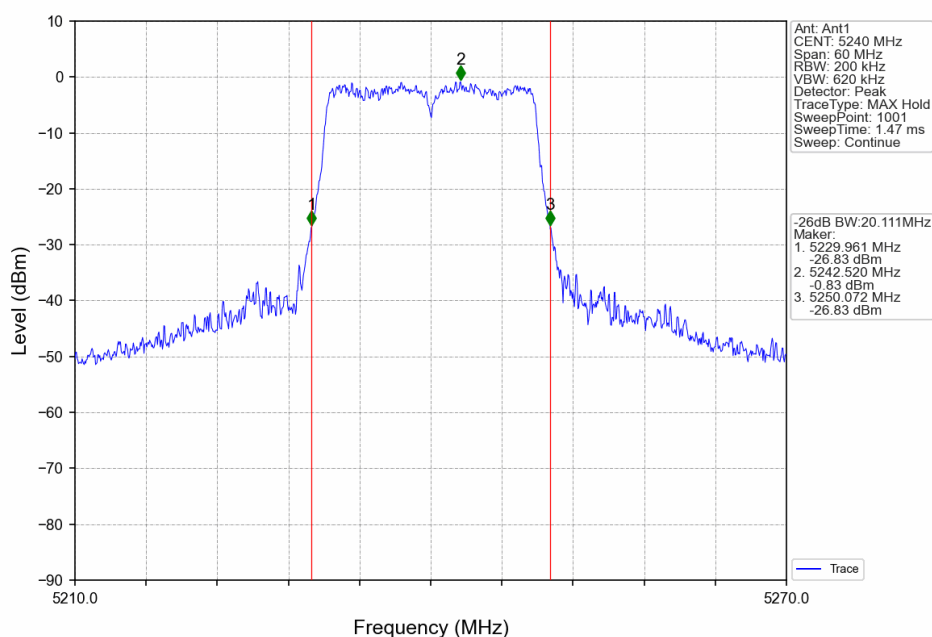
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



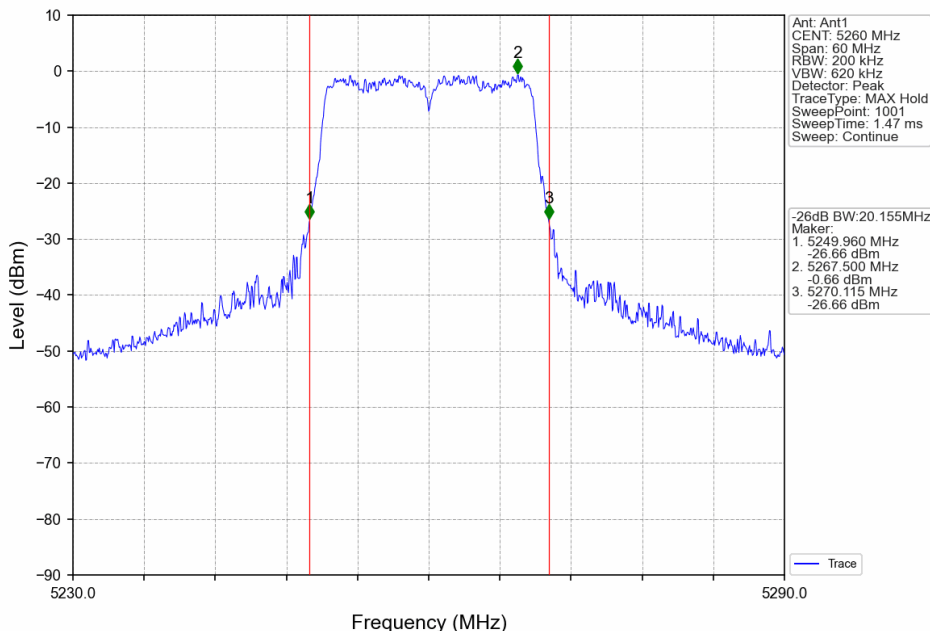
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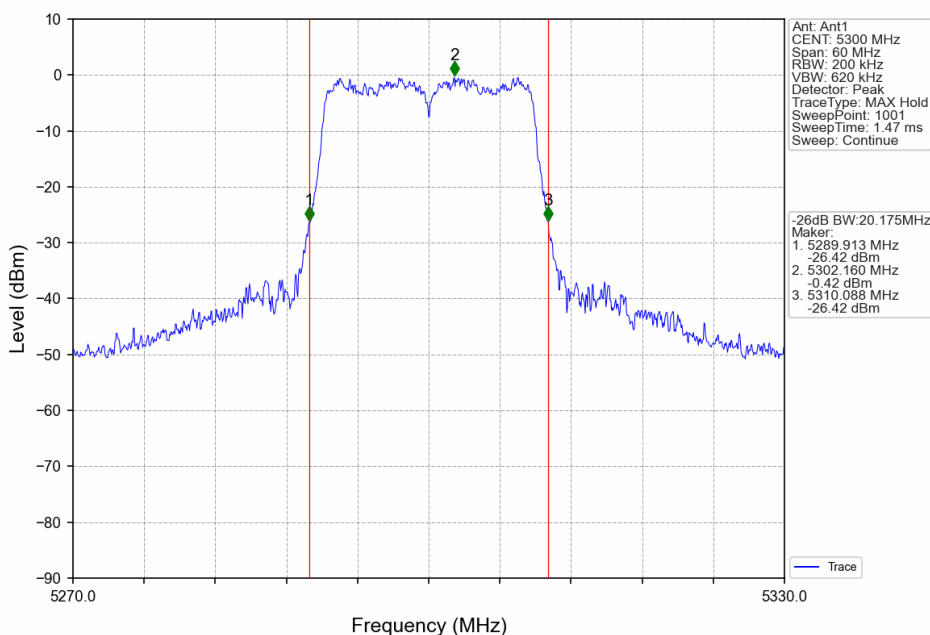
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



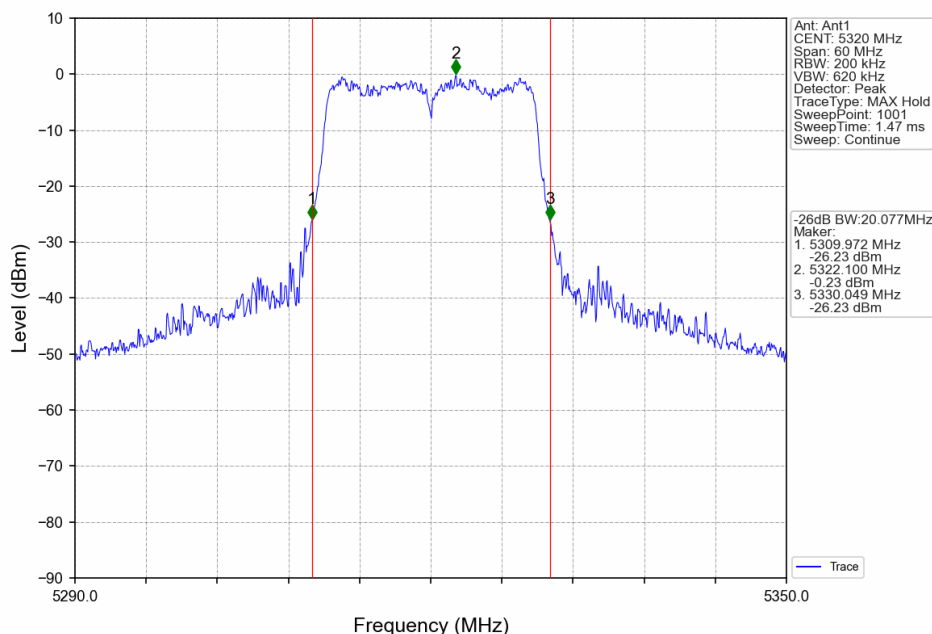
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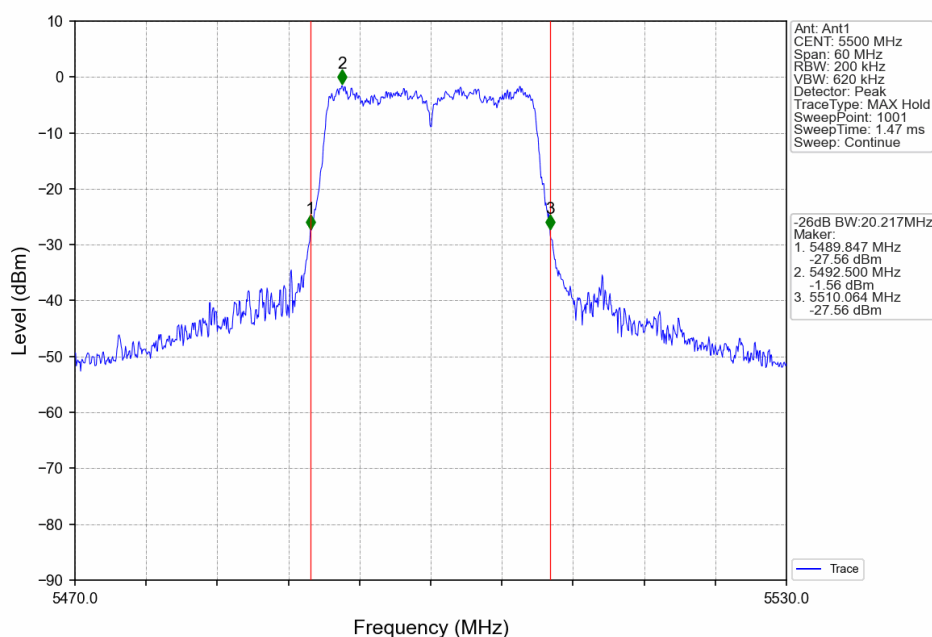
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



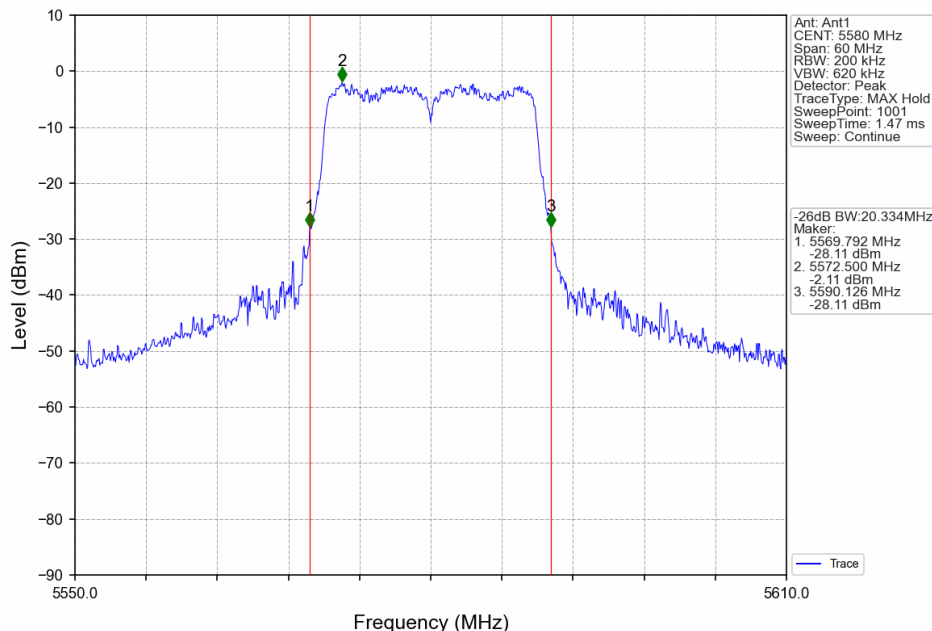
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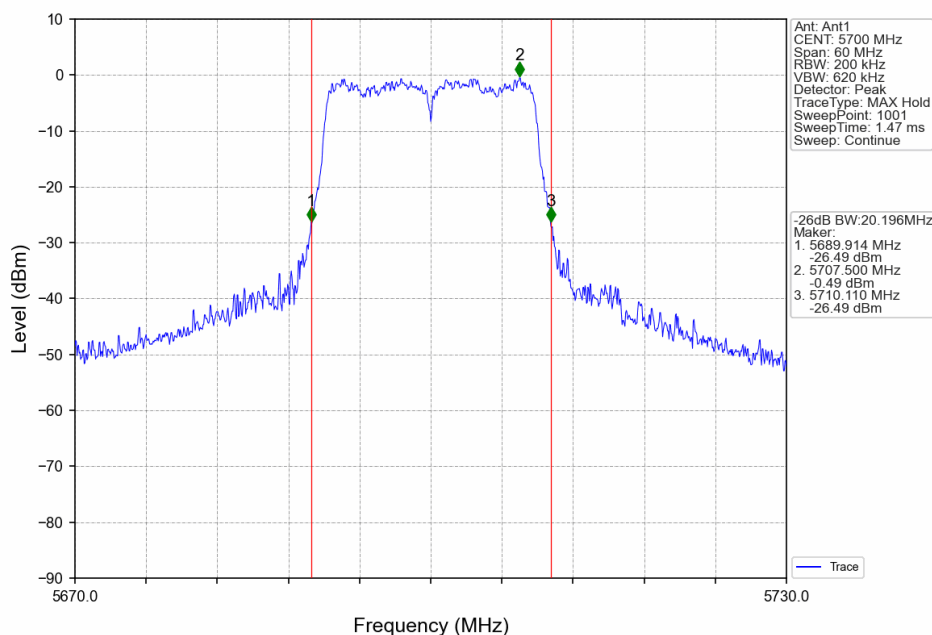
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



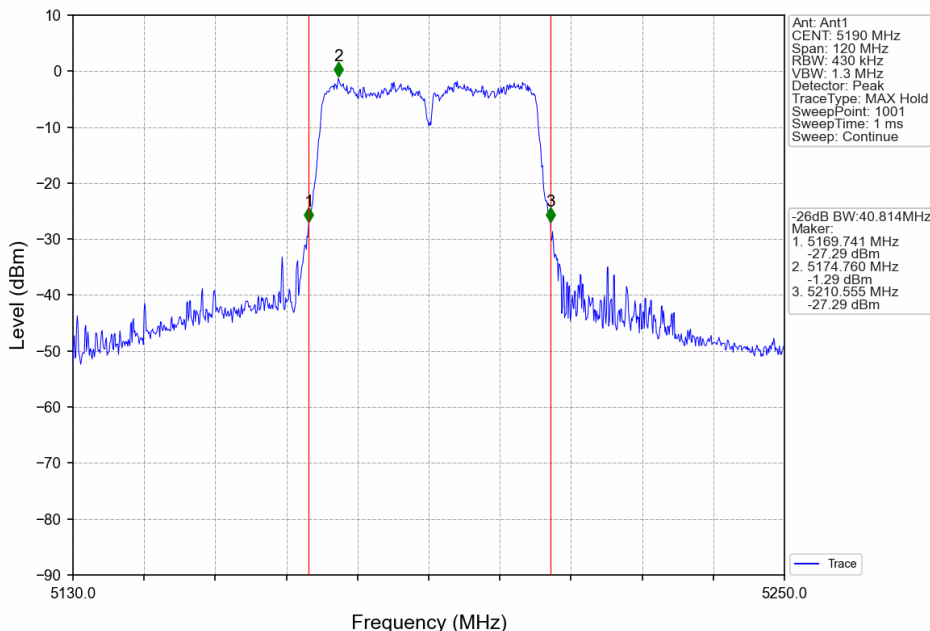
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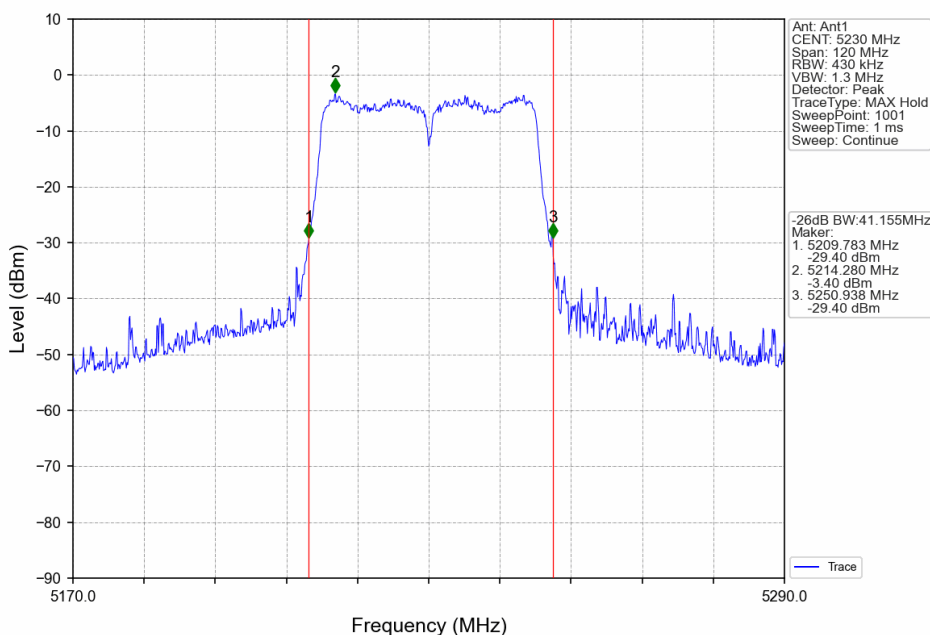
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



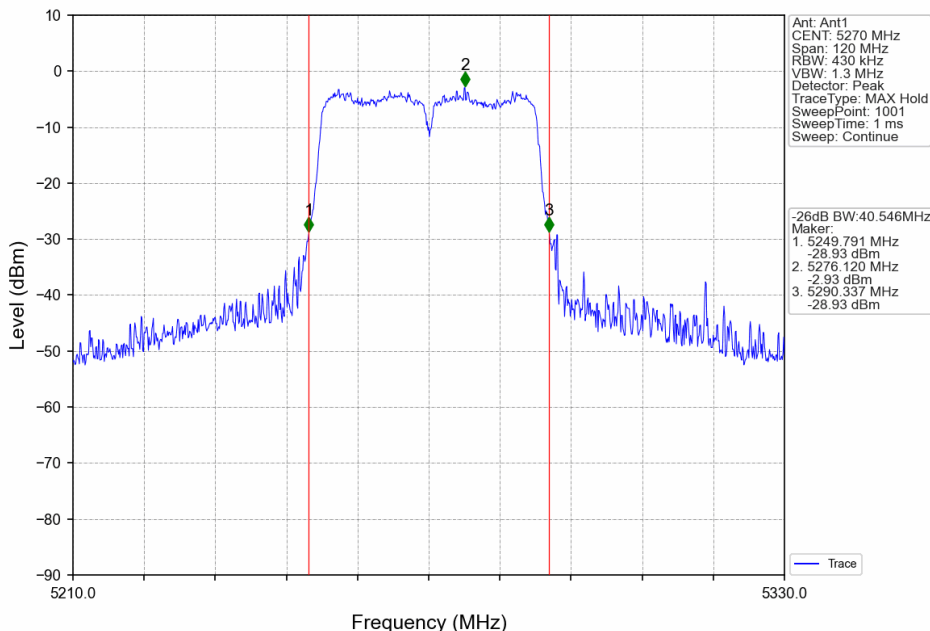
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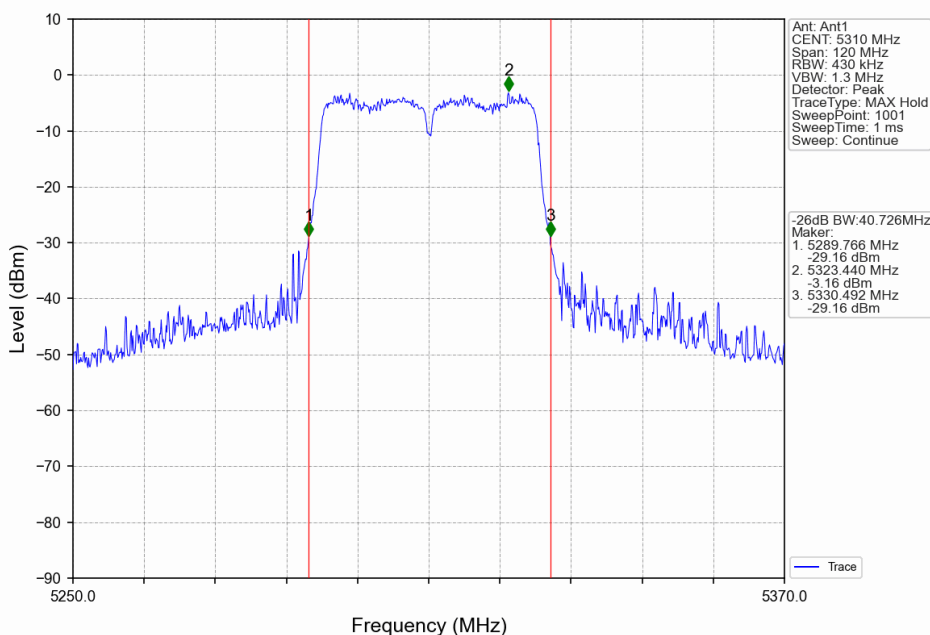
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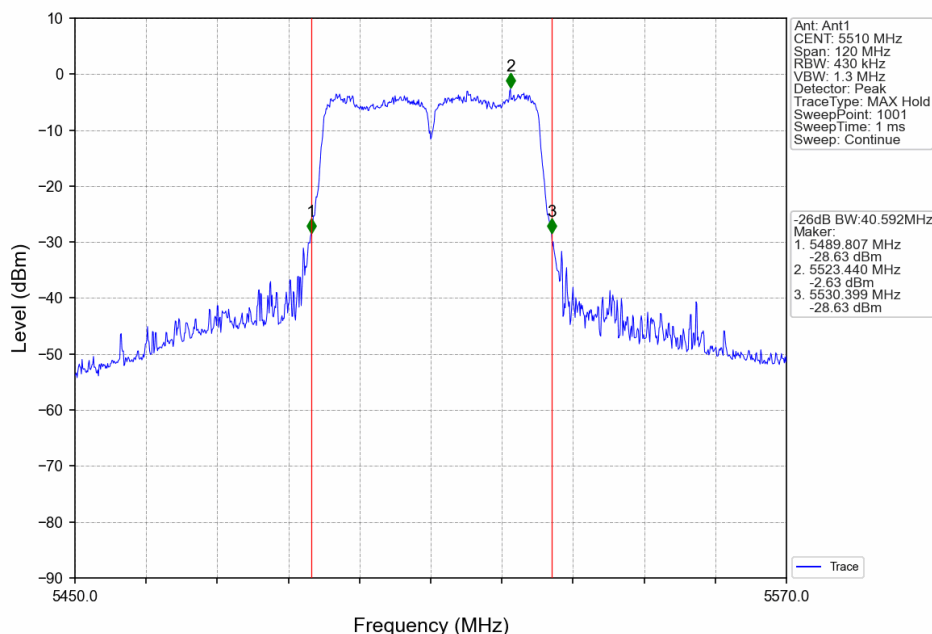
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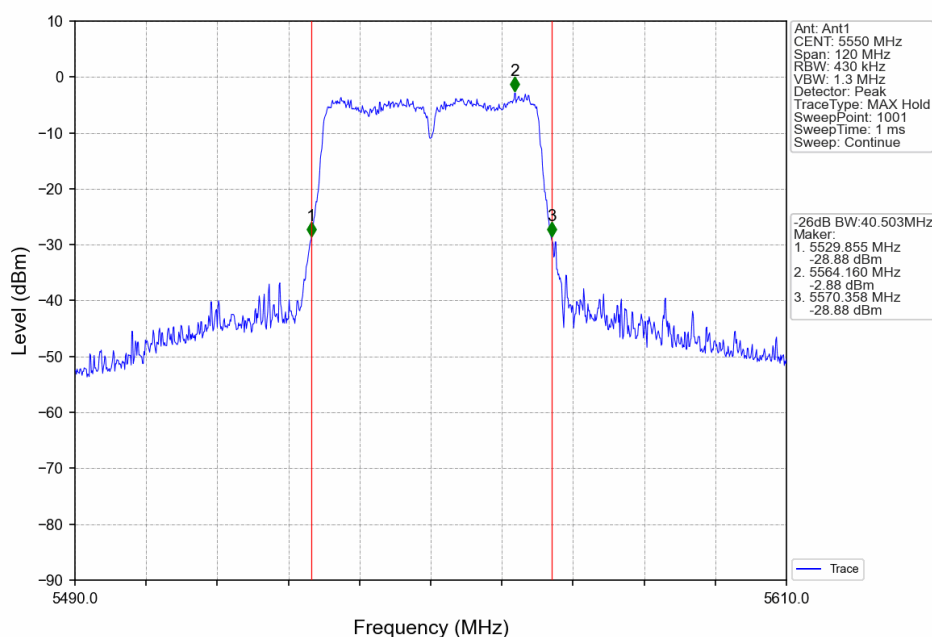
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



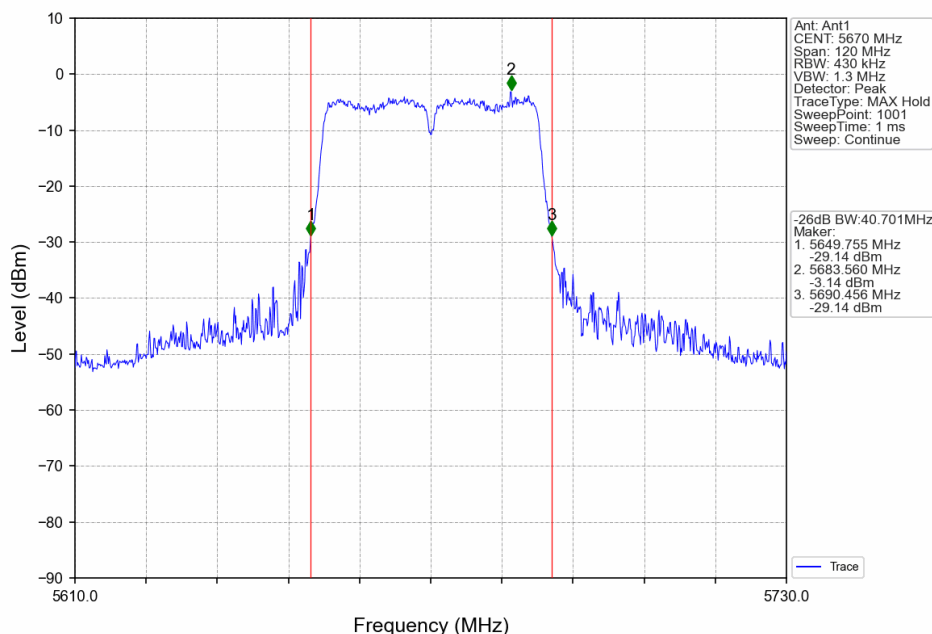
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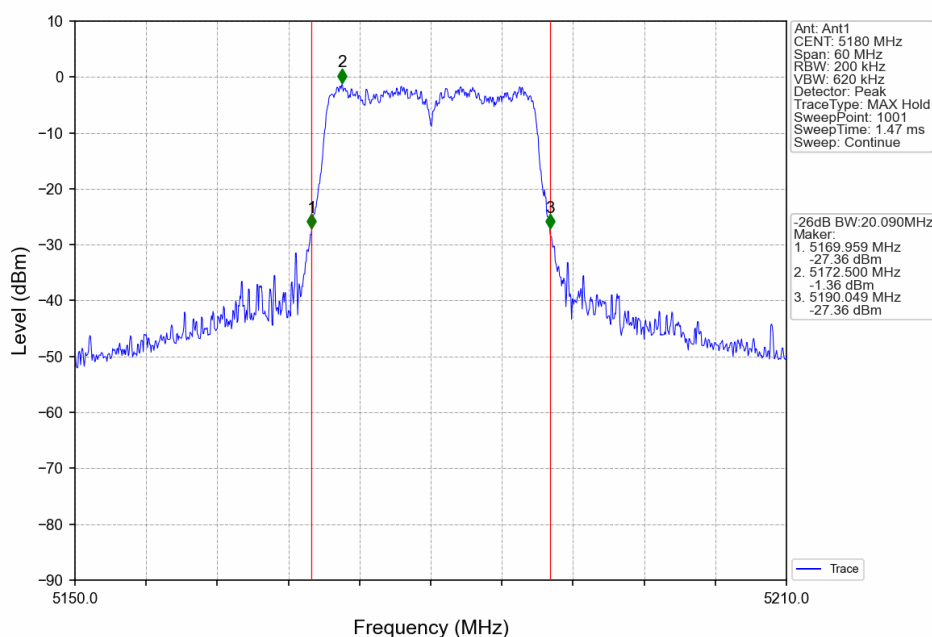
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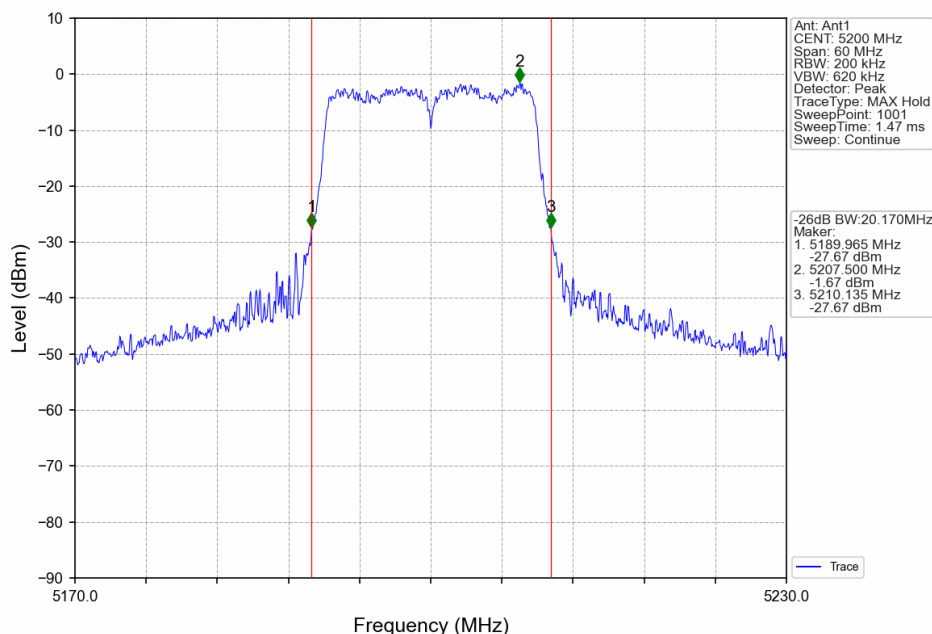
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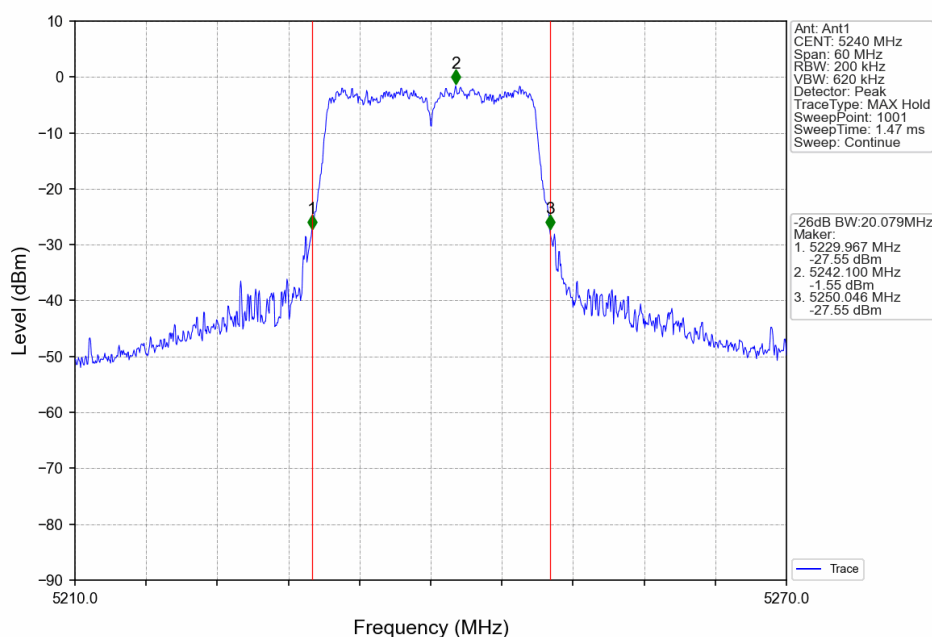
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



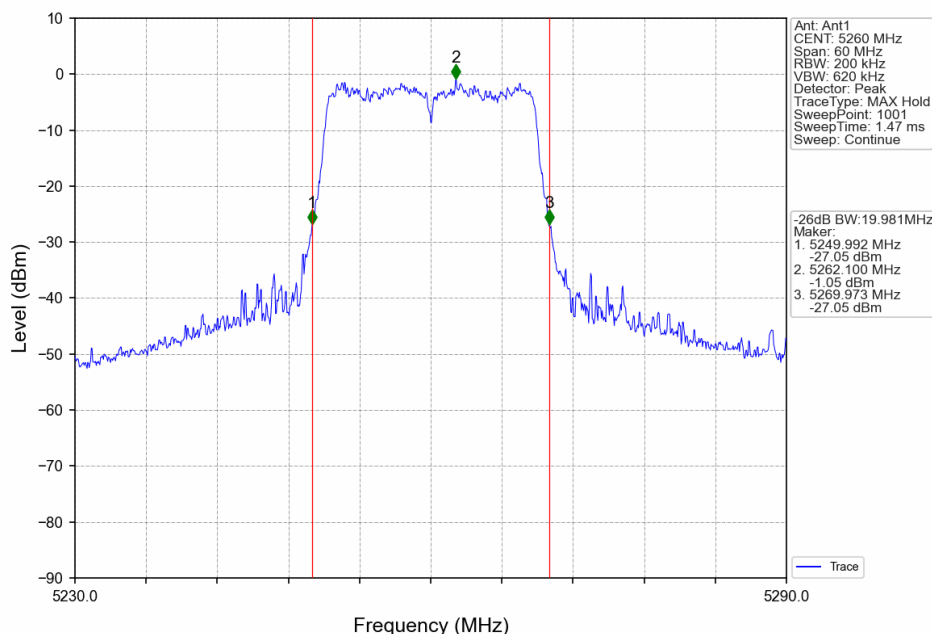
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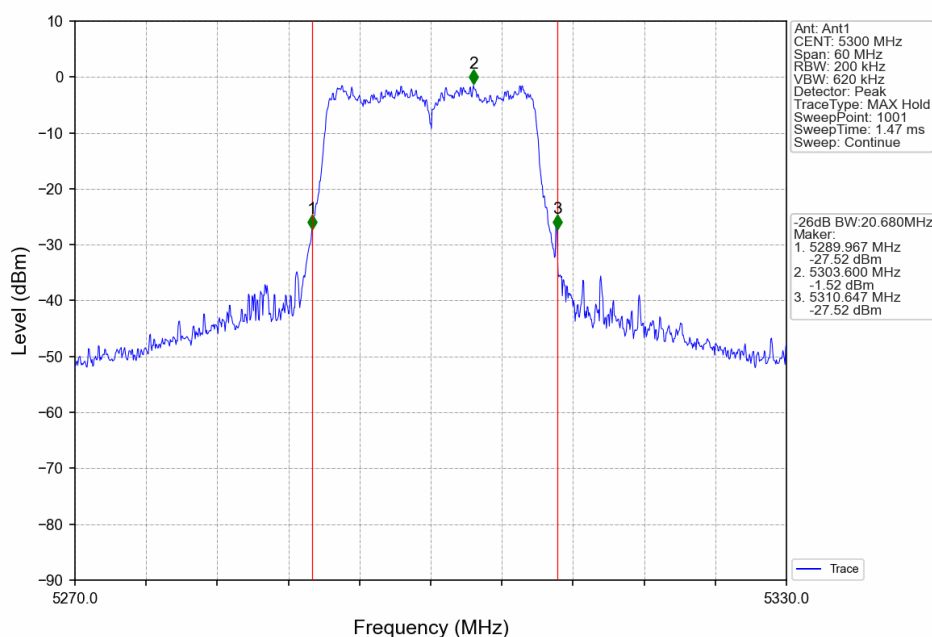
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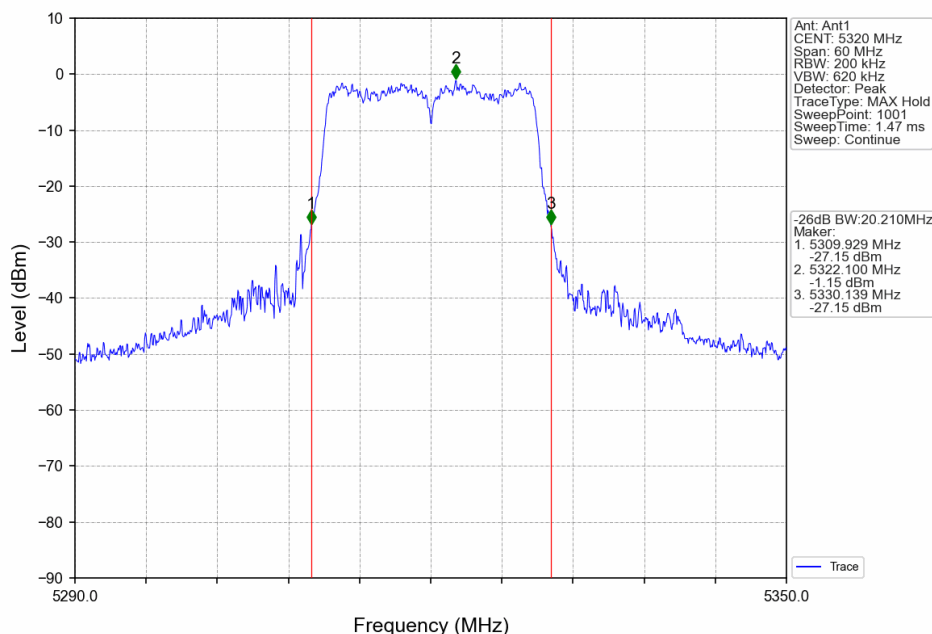
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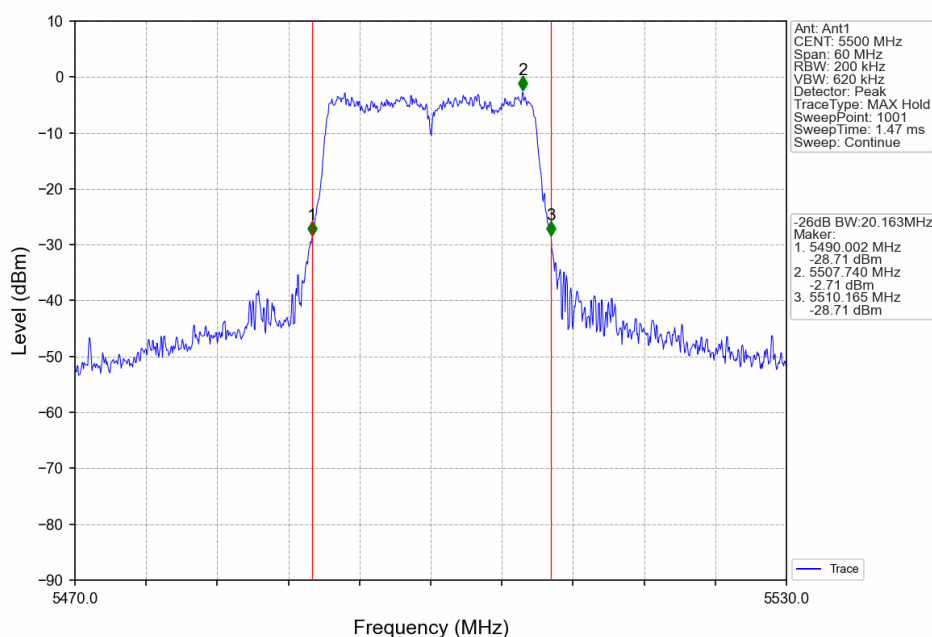
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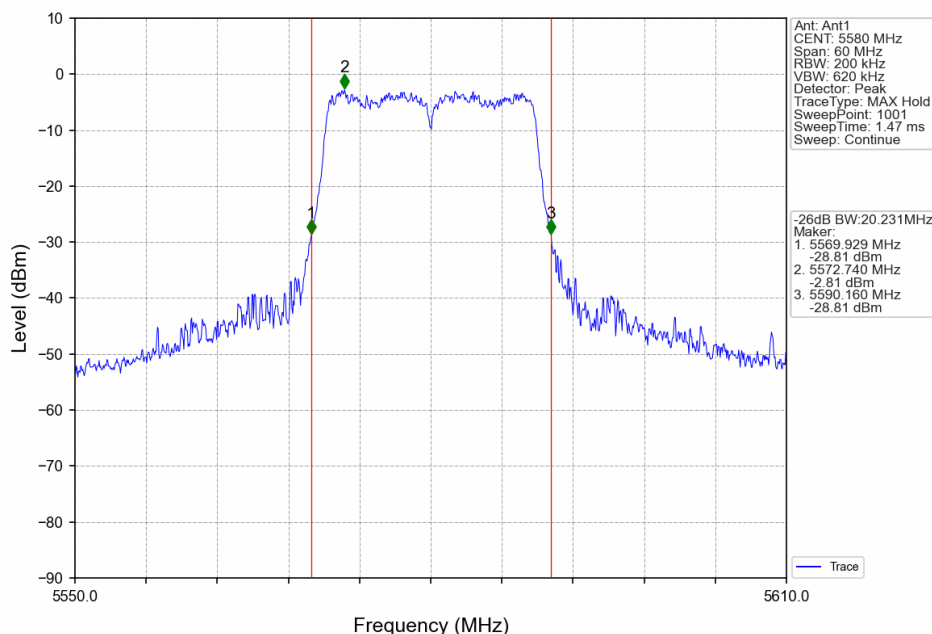
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



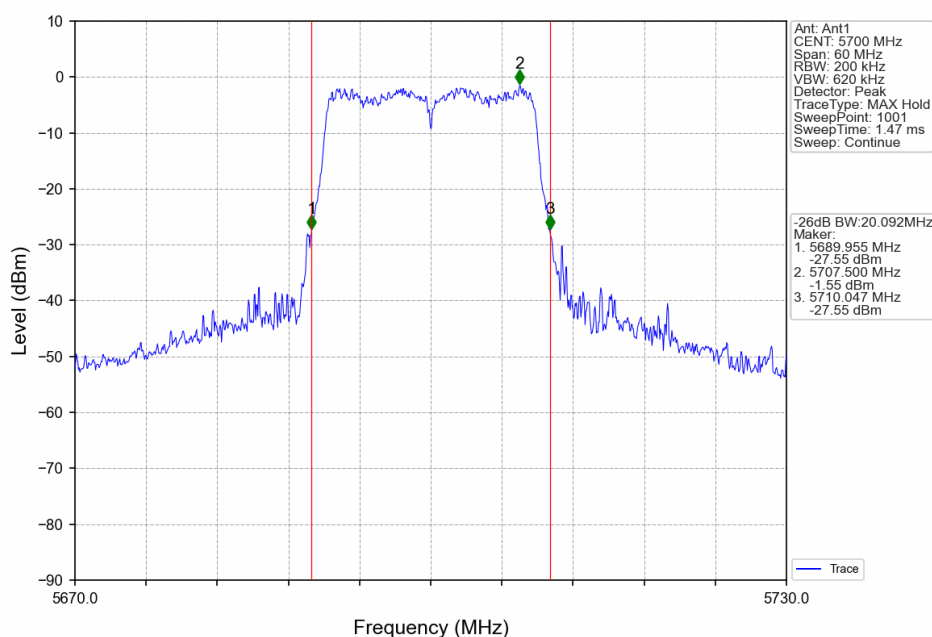
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



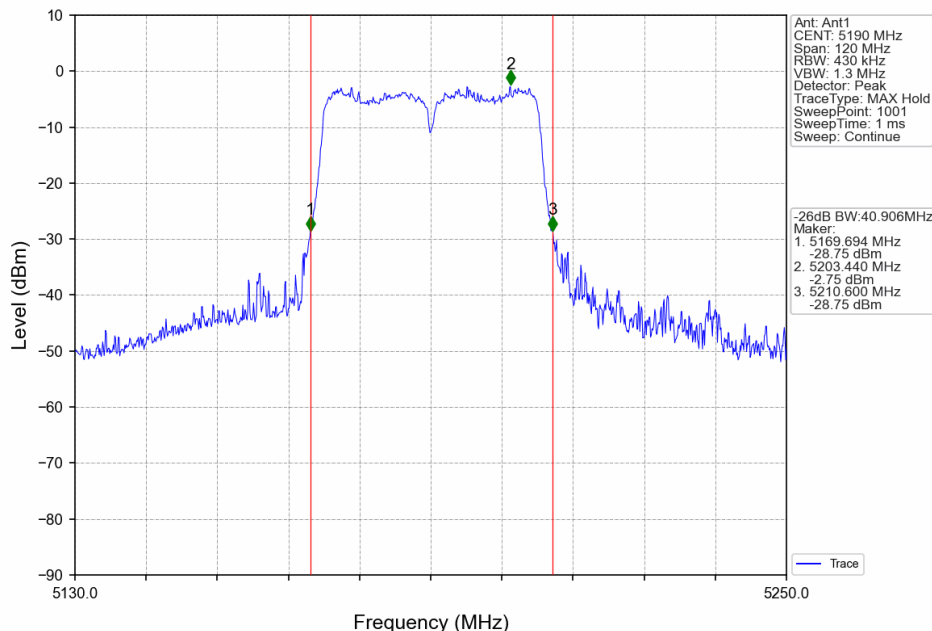
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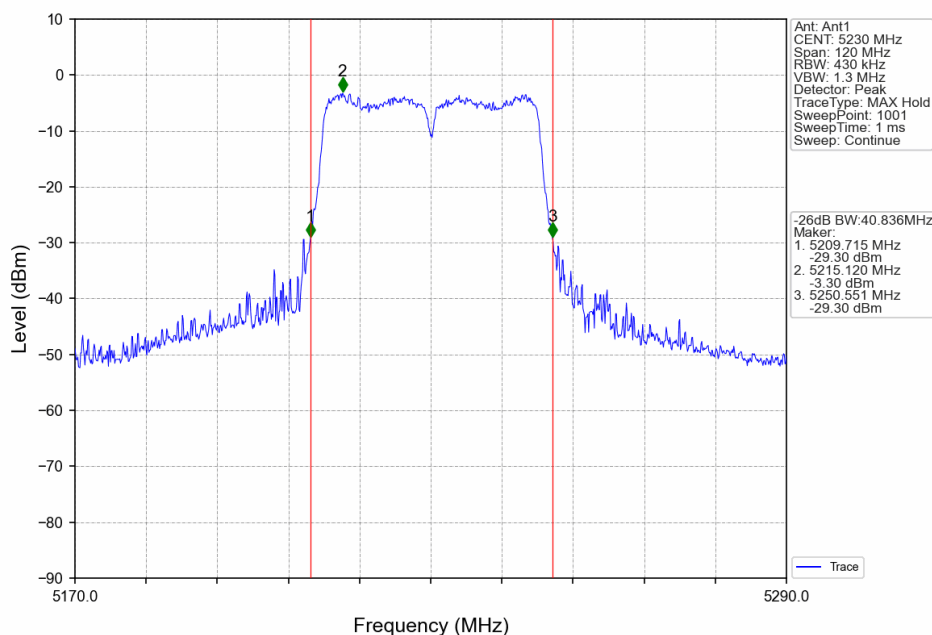
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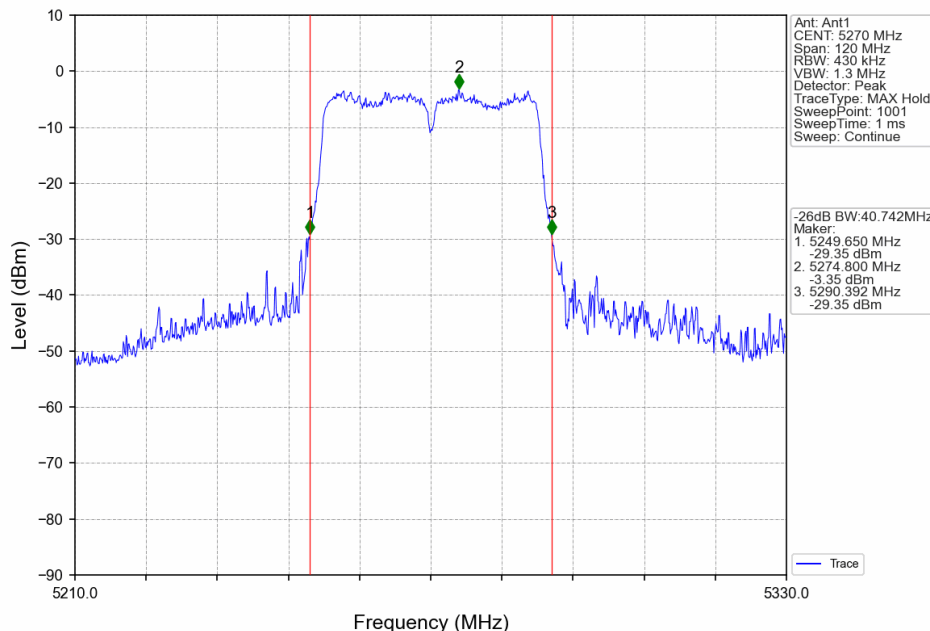
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



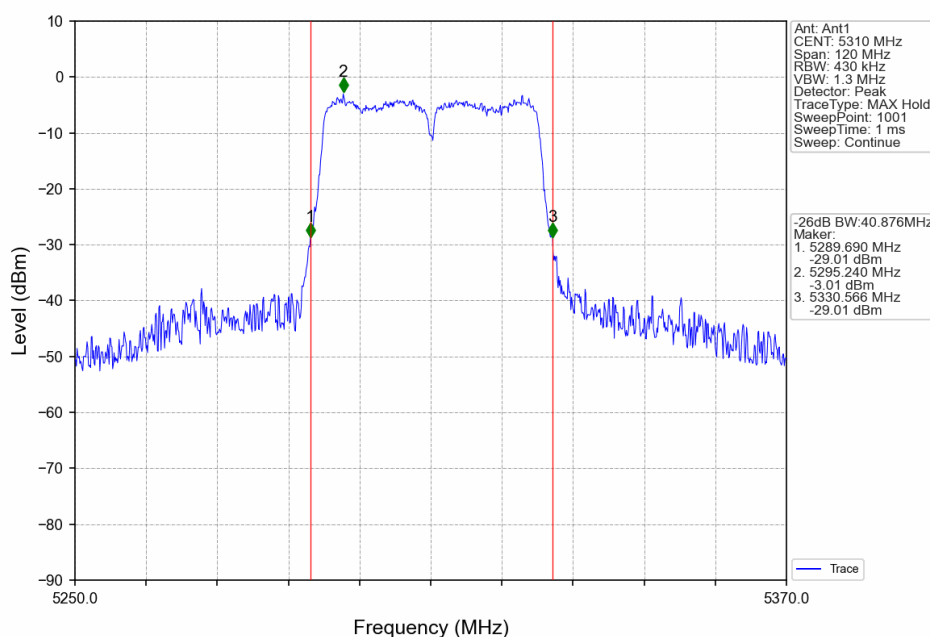
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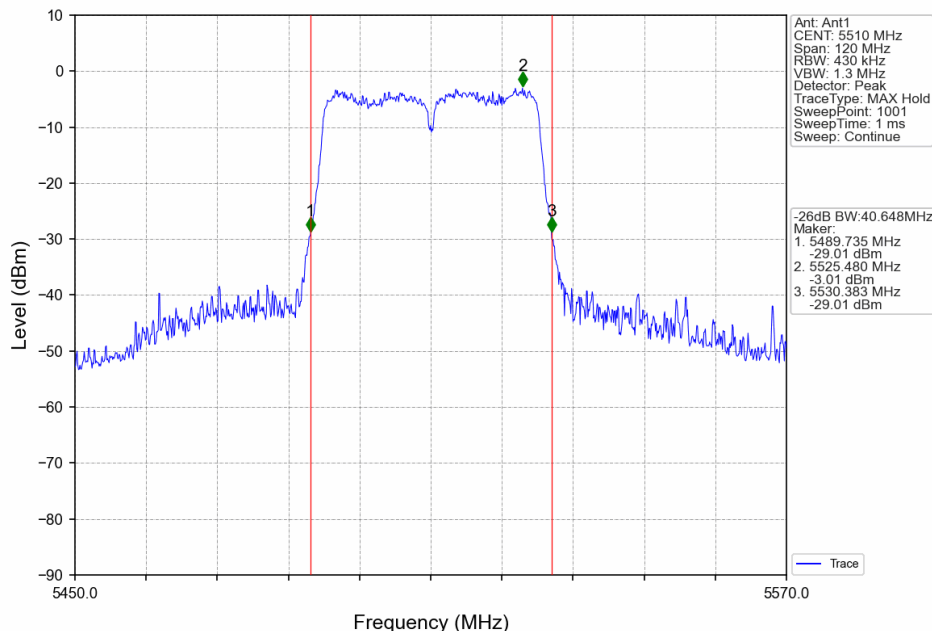
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



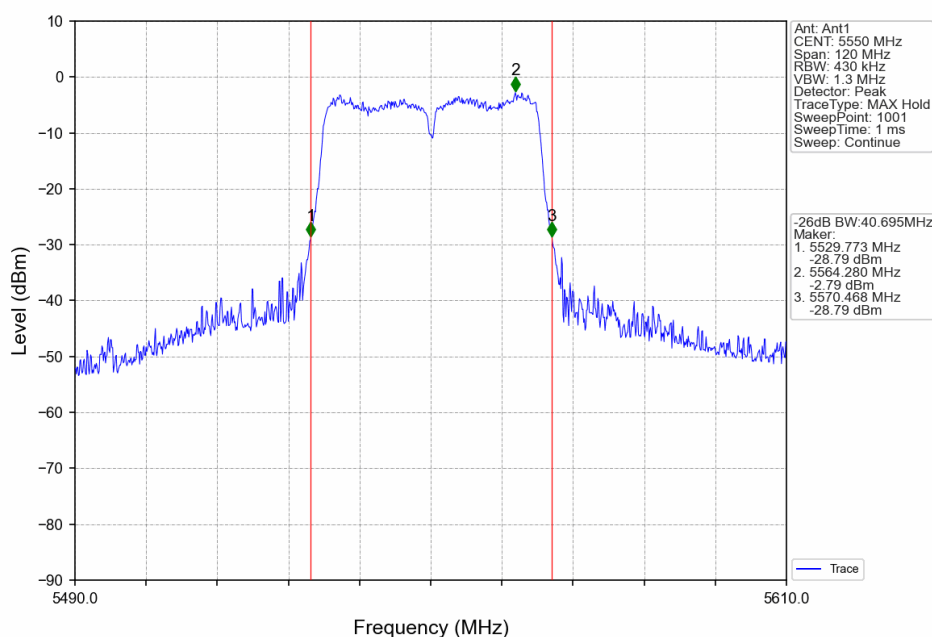
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



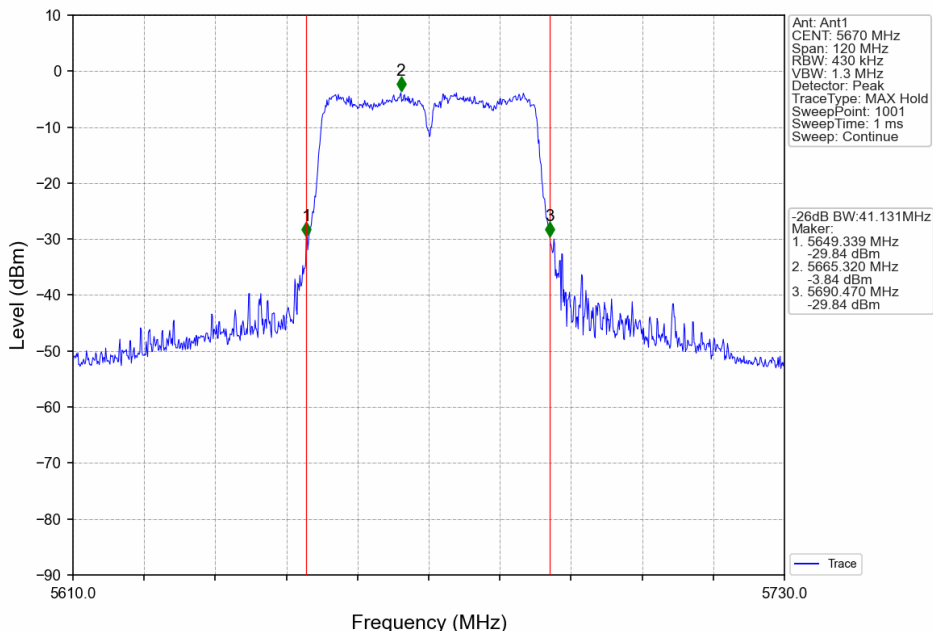
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



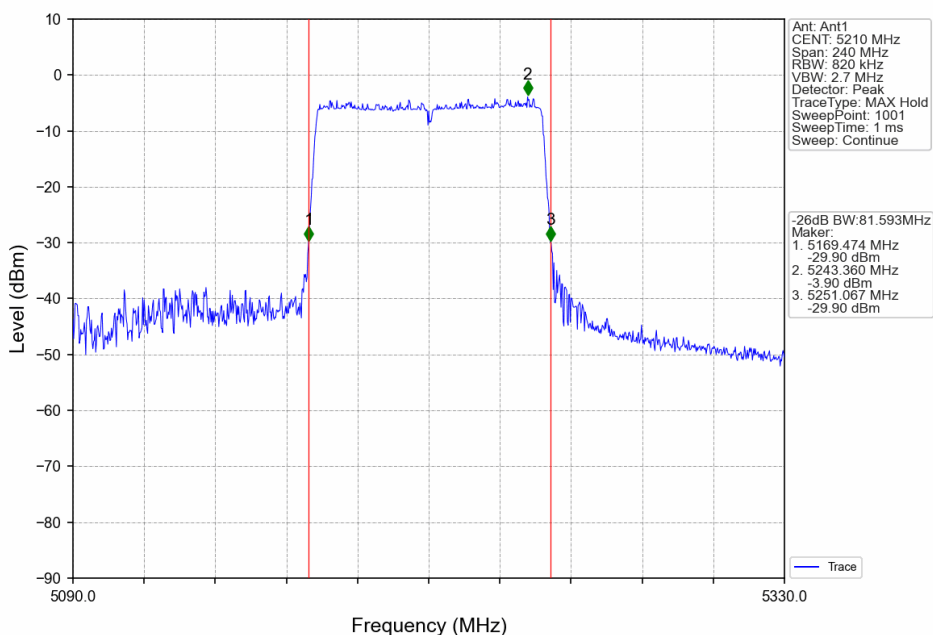
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



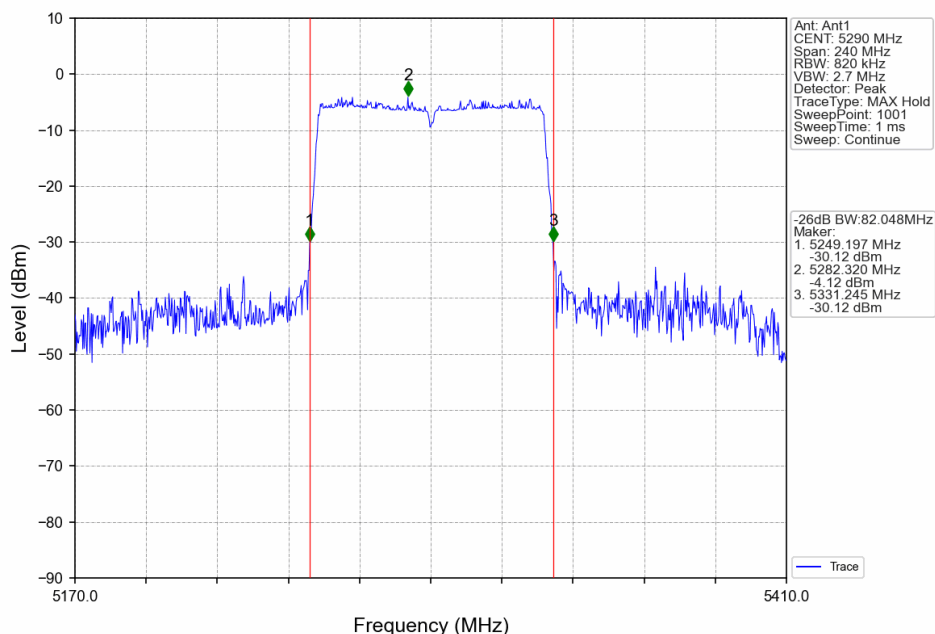
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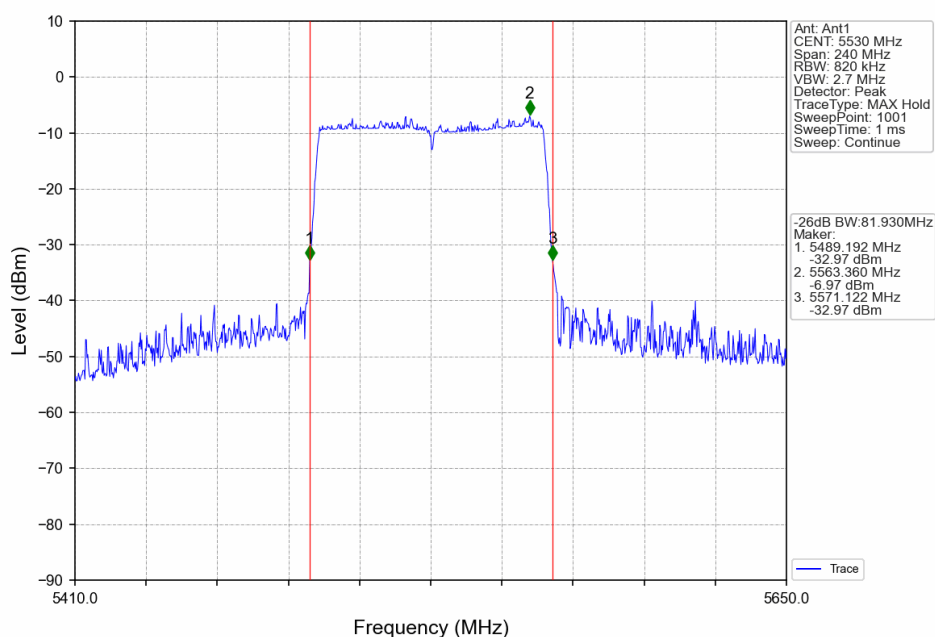
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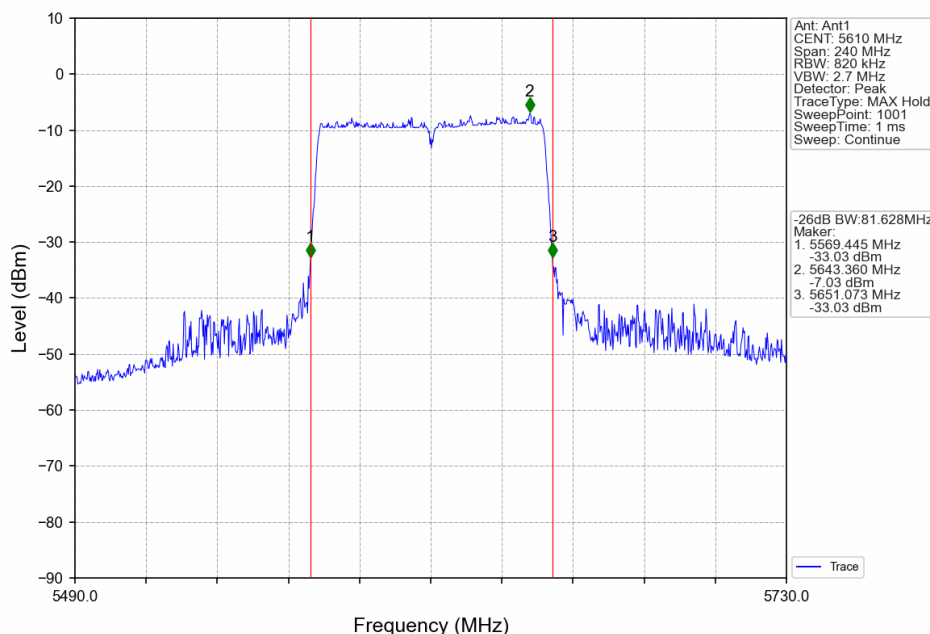
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_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	14.33	14.33	/	<=23.98	Pass
		5200	14.11	13.81	/	<=23.98	Pass
		5240	13.92	13.96	/	<=23.98	Pass
		5260	14.12	13.93	/	<=23.98	Pass
		5300	14.17	13.92	/	<=23.96	Pass
		5320	13.93	13.88	/	<=23.98	Pass
		5500	13.83	13.98	/	<=23.96	Pass
		5580	13.61	13.63	/	<=23.96	Pass
		5700	14.25	13.59	/	<=23.97	Pass
		5745	14.11	15.65	/	<=30	Pass
		5785	14.37	15.50	/	<=30	Pass
		5825	14.75	15.35	/	<=30	Pass
802.11n (HT20)	MIMO	5180	10.42	12.53	14.61	<=23.98	Pass
		5200	9.29	11.05	13.27	<=23.98	Pass
		5240	9.16	11.19	13.30	<=23.98	Pass
		5260	9.40	11.16	13.38	<=23.98	Pass
		5300	9.44	11.18	13.41	<=23.98	Pass
		5320	9.28	11.11	13.30	<=23.98	Pass
		5500	9.15	10.17	12.70	<=23.98	Pass
		5580	8.80	9.86	12.37	<=23.98	Pass
		5700	9.52	10.89	13.27	<=23.98	Pass
		5745	9.31	10.72	13.08	<=30	Pass
		5785	9.72	10.74	13.27	<=30	Pass
		5825	9.77	10.36	13.09	<=30	Pass
802.11n (HT40)	MIMO	5190	8.44	10.40	12.54	<=23.98	Pass
		5230	6.23	8.17	10.32	<=23.98	Pass
		5270	6.27	8.32	10.43	<=23.98	Pass
		5310	6.33	8.14	10.34	<=23.98	Pass
		5510	6.51	7.48	10.03	<=23.98	Pass
		5550	6.31	6.93	9.64	<=23.98	Pass



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		5670	5.90	7.59	9.84	<=23.98	Pass
		5755	6.52	7.99	10.33	<=30	Pass
		5795	7.03	7.94	10.52	<=30	Pass
802.11ac (VHT20)	MIMO	5180	8.42	10.57	12.64	<=23.98	Pass
		5200	8.22	10.00	12.21	<=23.98	Pass
		5240	8.25	10.21	12.35	<=23.98	Pass
		5260	8.46	10.20	12.43	<=23.98	Pass
		5300	8.46	10.21	12.43	<=23.98	Pass
		5320	8.39	10.25	12.43	<=23.98	Pass
		5500	8.19	9.17	11.72	<=23.98	Pass
		5580	7.93	8.87	11.44	<=23.98	Pass
		5700	8.52	9.86	12.25	<=23.98	Pass
		5745	8.55	9.75	12.20	<=30	Pass
		5785	8.83	9.81	12.36	<=30	Pass
		5825	9.03	9.50	12.28	<=30	Pass
802.11ac (VHT40)	MIMO	5190	6.62	8.40	10.61	<=23.98	Pass
		5230	6.38	8.21	10.40	<=23.98	Pass
		5270	6.46	8.27	10.47	<=23.98	Pass
		5310	6.47	8.14	10.40	<=23.98	Pass
		5510	6.60	7.46	10.06	<=23.98	Pass
		5550	6.53	6.84	9.70	<=23.98	Pass
		5670	6.13	7.65	9.97	<=23.98	Pass
		5755	6.62	7.88	10.31	<=30	Pass
		5795	7.05	7.90	10.51	<=30	Pass
802.11ac (VHT80)	MIMO	5210	3.81	5.48	7.74	<=23.98	Pass
		5290	3.95	5.30	7.69	<=23.98	Pass
		5530	5.22	5.64	8.45	<=23.98	Pass
		5610	4.71	5.52	8.14	<=23.98	Pass
		5775	4.79	5.63	8.24	<=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	SISO	5180	3.39	3.38	/	<=11	Pass
		5200	3.22	2.85	/	<=11	Pass
		5240	3.02	2.93	/	<=11	Pass
		5260	3.10	2.96	/	<=11	Pass
		5300	3.19	3.00	/	<=11	Pass
		5320	3.08	3.09	/	<=11	Pass
		5500	2.93	3.15	/	<=11	Pass
		5580	2.70	2.77	/	<=11	Pass
		5700	3.37	2.63	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-0.61	1.42	3.48	<=11	Pass
		5200	-1.98	-0.17	2.03	<=11	Pass
		5240	-2.09	-0.09	1.94	<=11	Pass
		5260	-1.79	0.06	2.08	<=11	Pass
		5300	-1.62	0.00	2.12	<=11	Pass
		5320	-1.72	-0.05	1.99	<=11	Pass
		5500	-2.06	-1.12	1.42	<=11	Pass
		5580	-2.30	-1.26	1.07	<=11	Pass
		5700	-1.50	-0.26	2.05	<=11	Pass
802.11n (HT40)	MIMO	5190	-5.37	-3.63	-1.53	<=11	Pass
		5230	-7.76	-5.95	-3.84	<=11	Pass
		5270	-7.45	-5.62	-3.68	<=11	Pass
		5310	-7.87	-6.06	-3.89	<=11	Pass
		5510	-7.52	-6.61	-4.04	<=11	Pass
		5550	-7.45	-6.94	-4.20	<=11	Pass
		5670	-8.25	-6.46	-4.35	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-2.67	-0.44	1.54	<=11	Pass
		5200	-2.86	-1.17	1.00	<=11	Pass
		5240	-2.99	-0.98	1.03	<=11	Pass
		5260	-2.77	-0.94	1.08	<=11	Pass
		5300	-2.64	-1.05	1.13	<=11	Pass



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		5320	-2.77	-1.04	1.03	<=11	Pass
		5500	-3.02	-1.96	0.55	<=11	Pass
		5580	-3.16	-2.23	0.22	<=11	Pass
		5700	-2.68	-1.26	0.91	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-7.16	-5.45	-3.41	<=11	Pass
		5230	-7.65	-6.09	-3.86	<=11	Pass
		5270	-7.58	-5.51	-3.71	<=11	Pass
		5310	-7.65	-5.83	-3.78	<=11	Pass
		5510	-7.53	-6.49	-4.02	<=11	Pass
		5550	-7.16	-7.03	-4.18	<=11	Pass
		5670	-8.00	-6.44	-4.27	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-13.92	-12.19	-10.08	<=11	Pass
		5290	-13.85	-12.29	-10.08	<=11	Pass
		5530	-12.60	-12.14	-9.56	<=11	Pass
		5610	-12.94	-11.66	-9.37	<=11	Pass



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