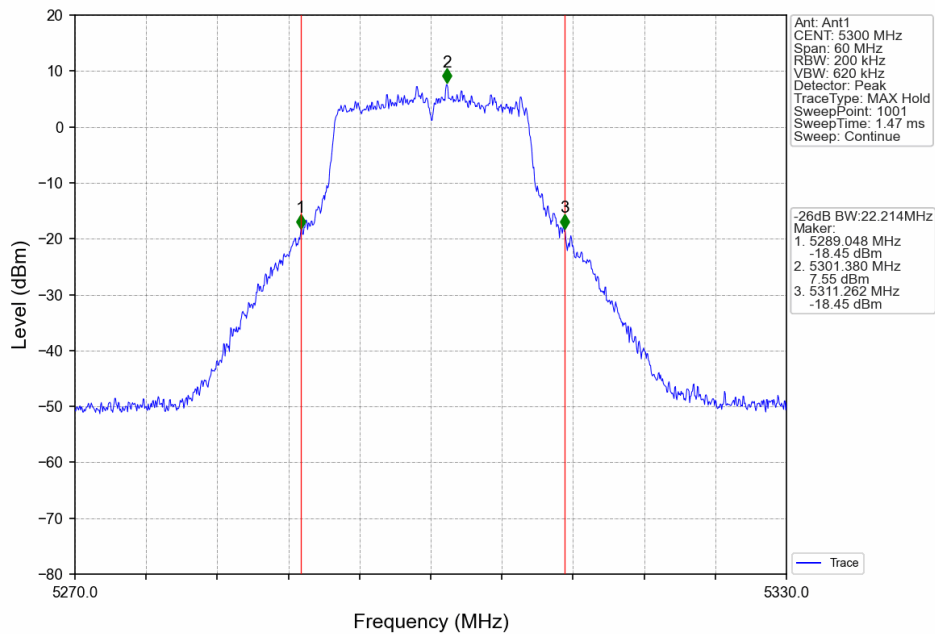
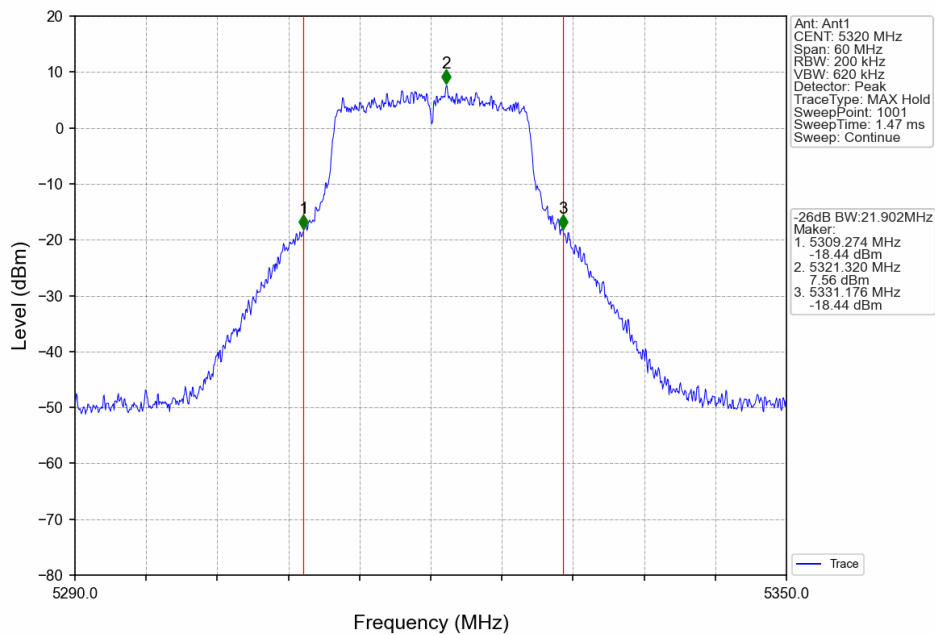


802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



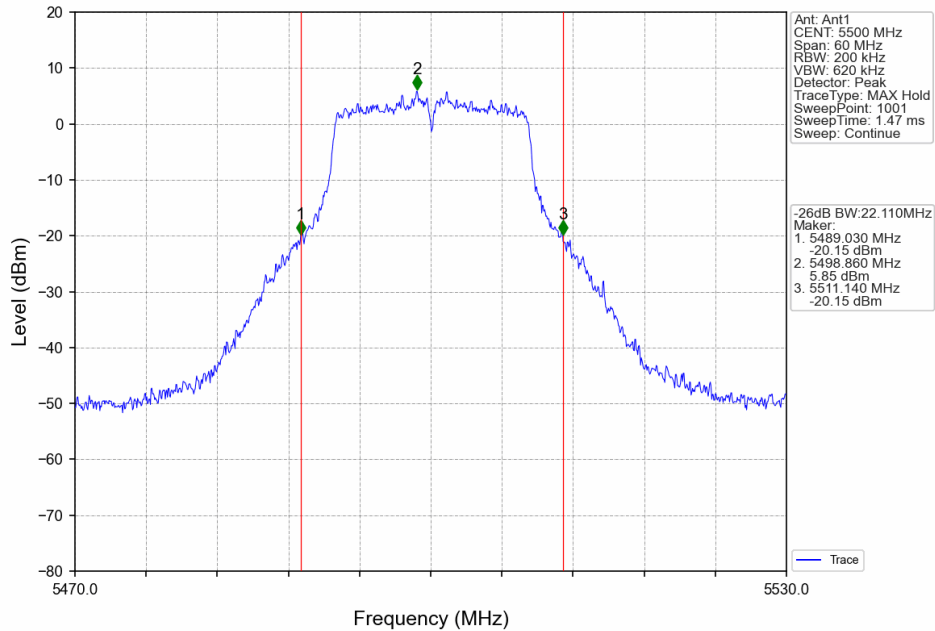
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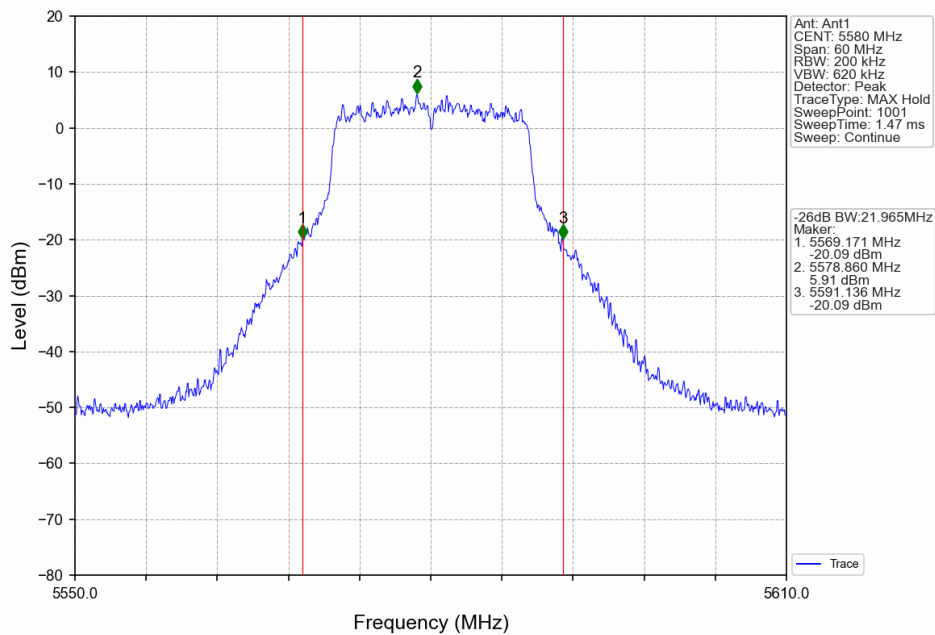
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802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



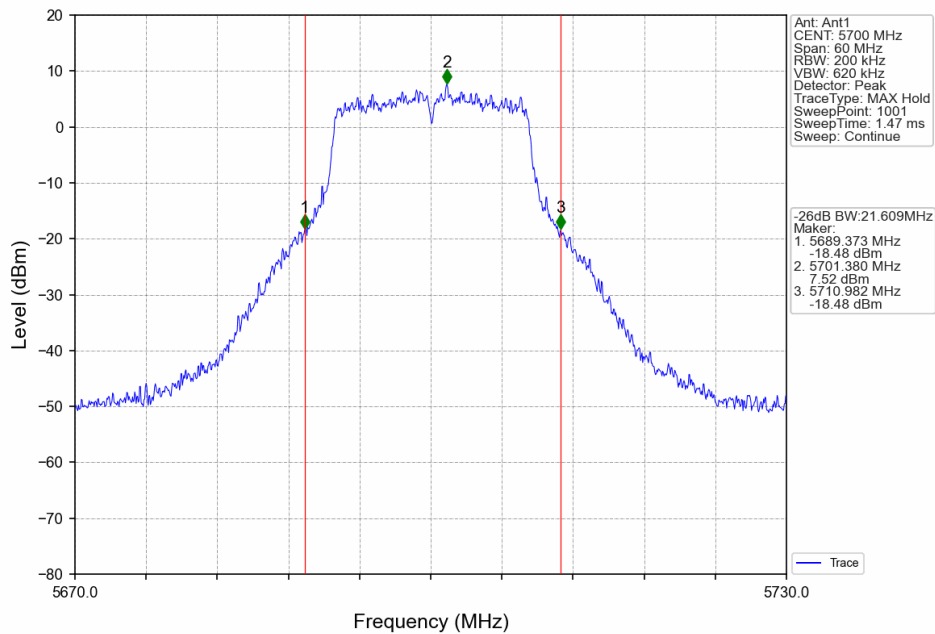
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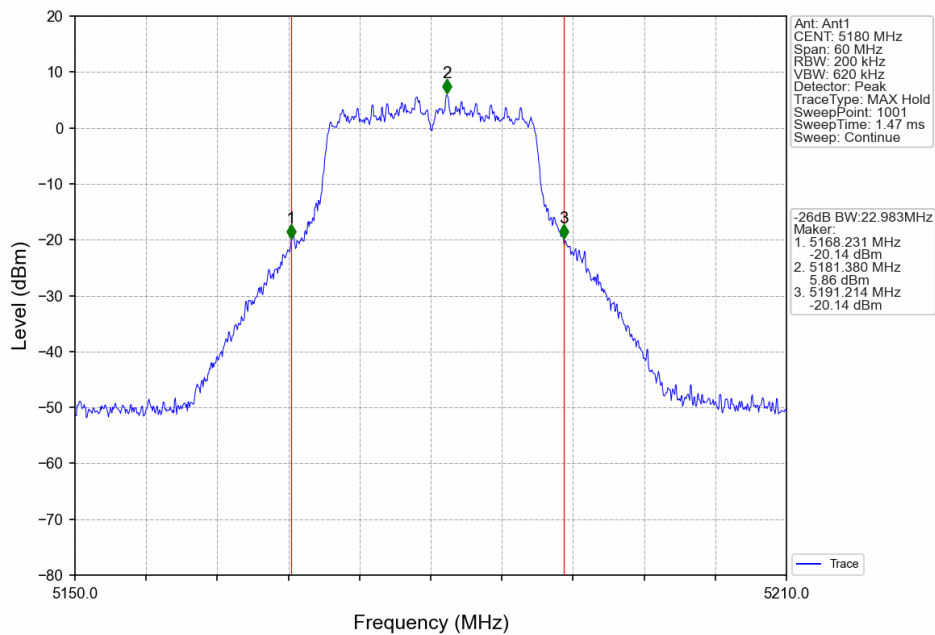
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



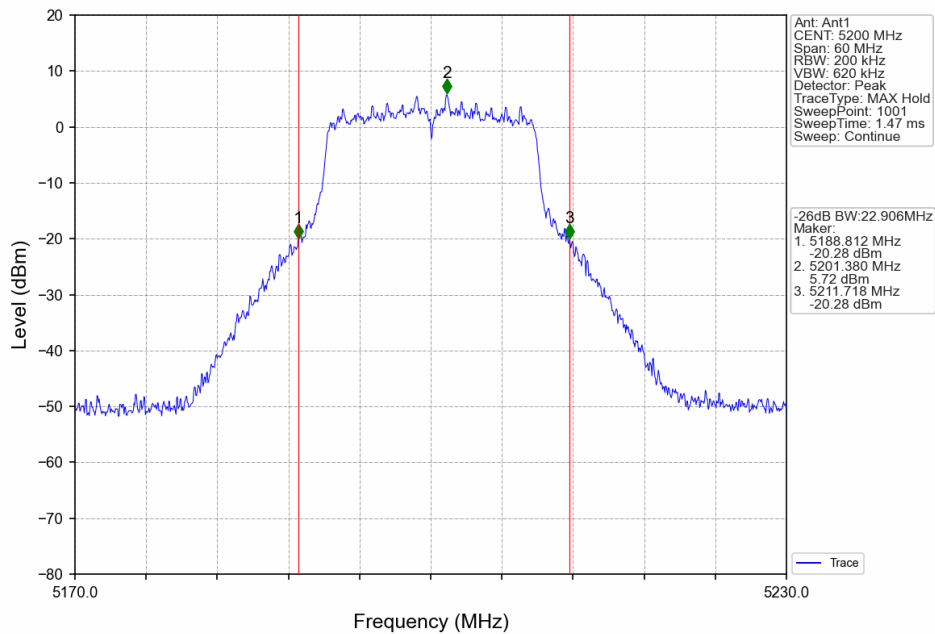
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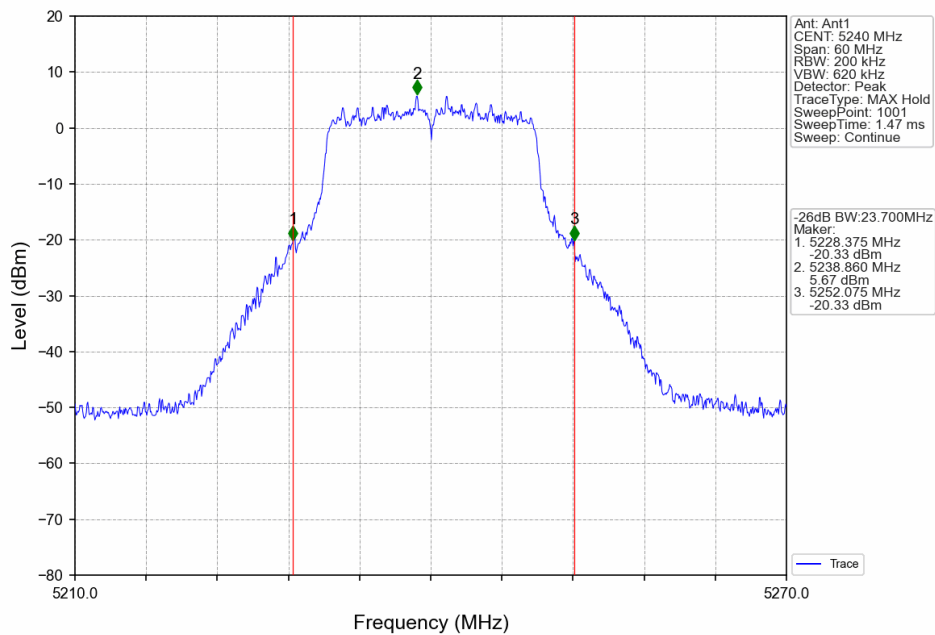
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



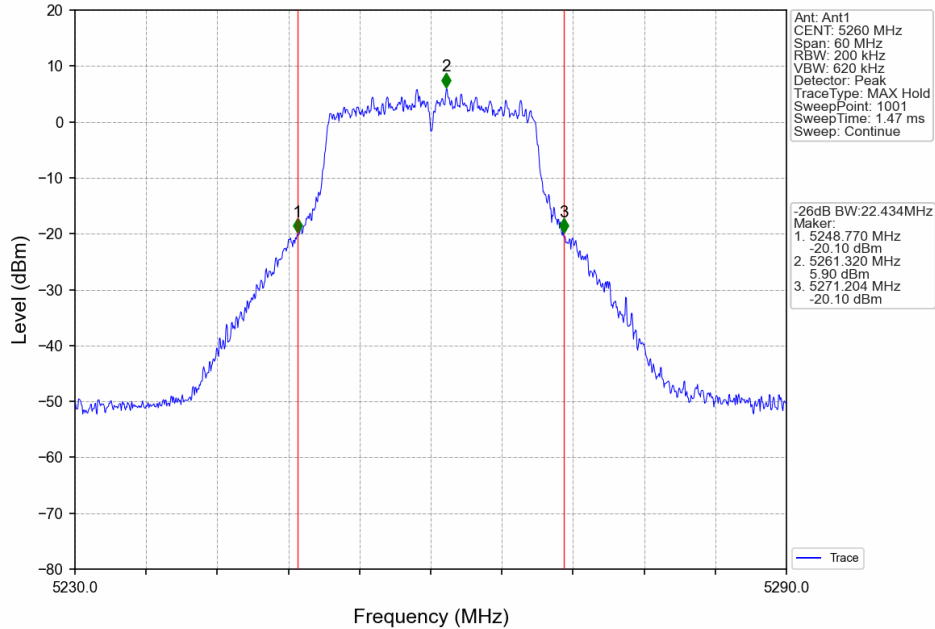
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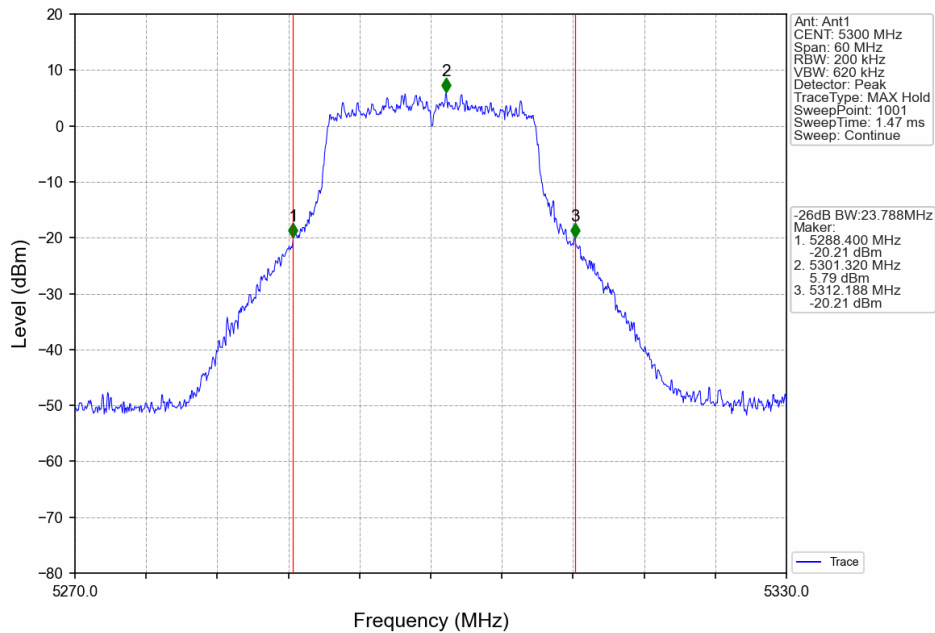
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



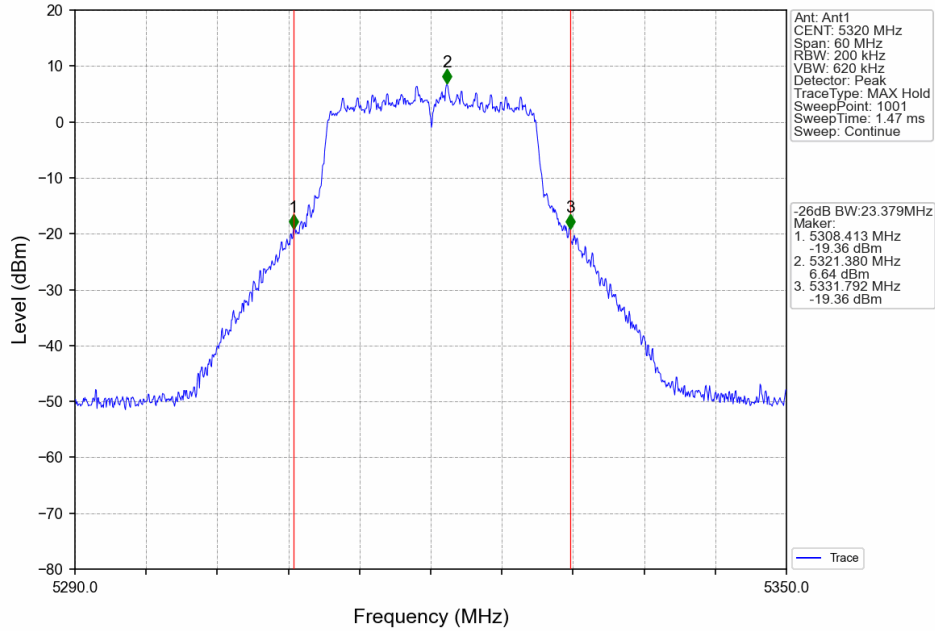
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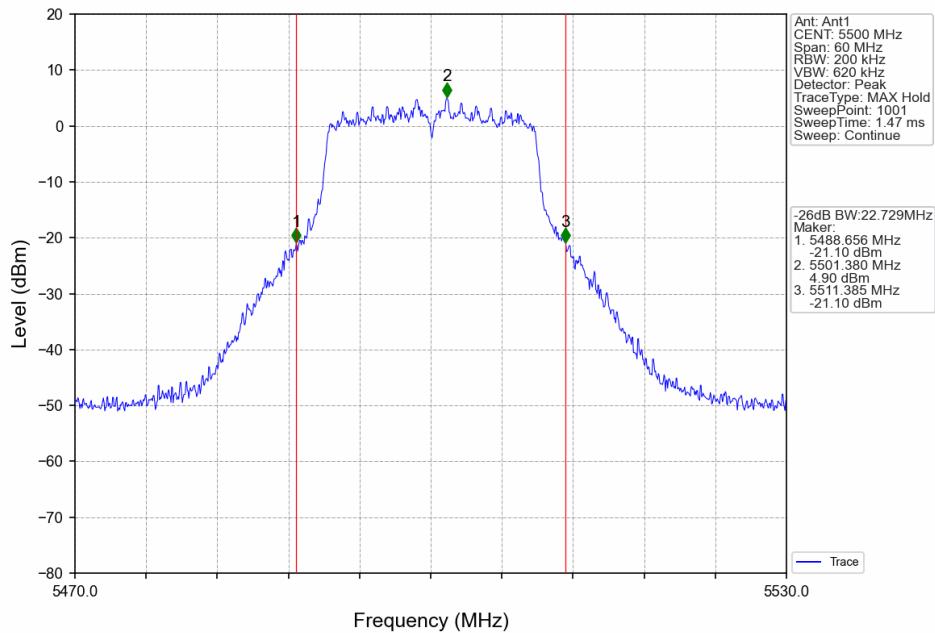
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



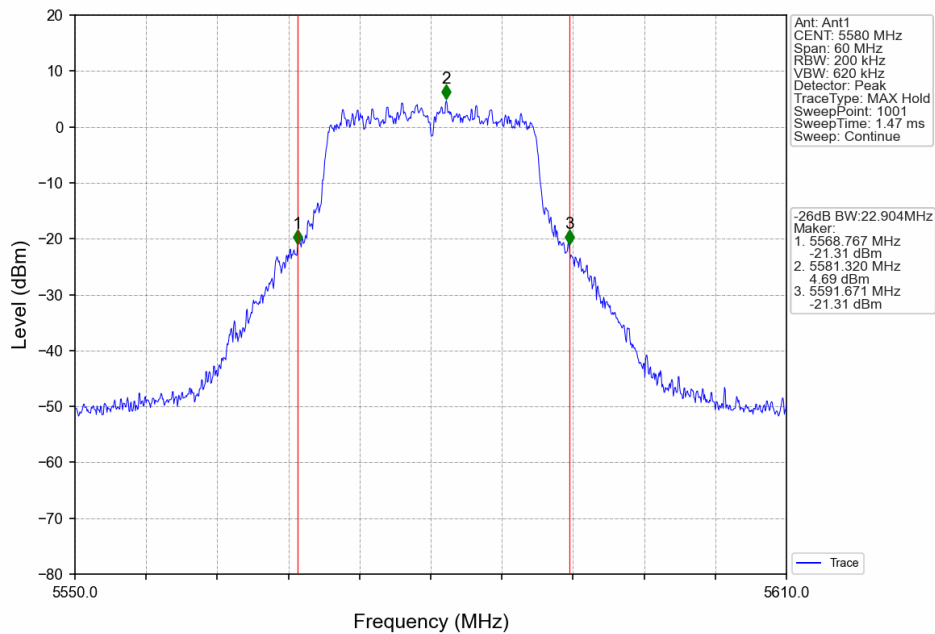
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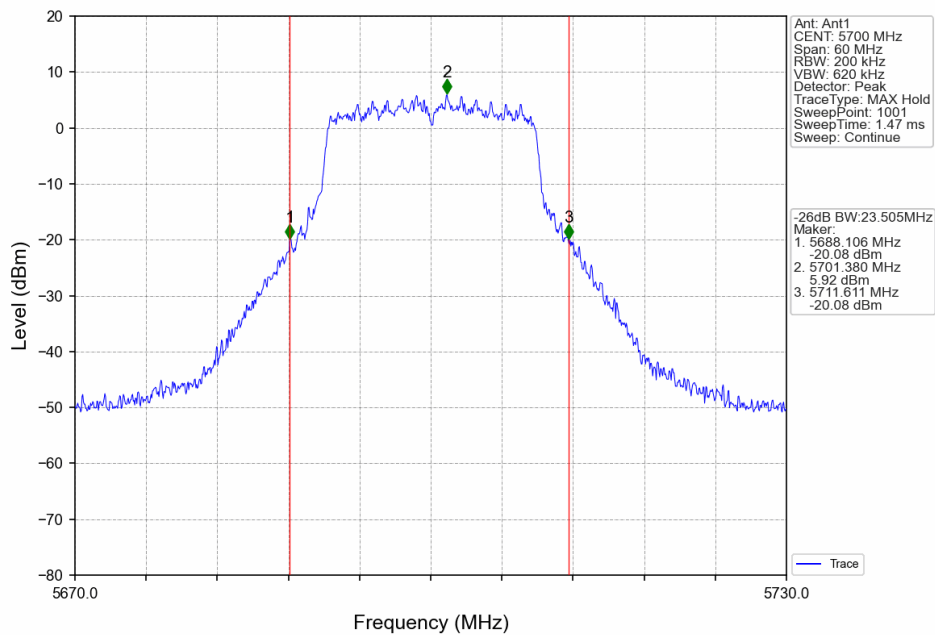
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



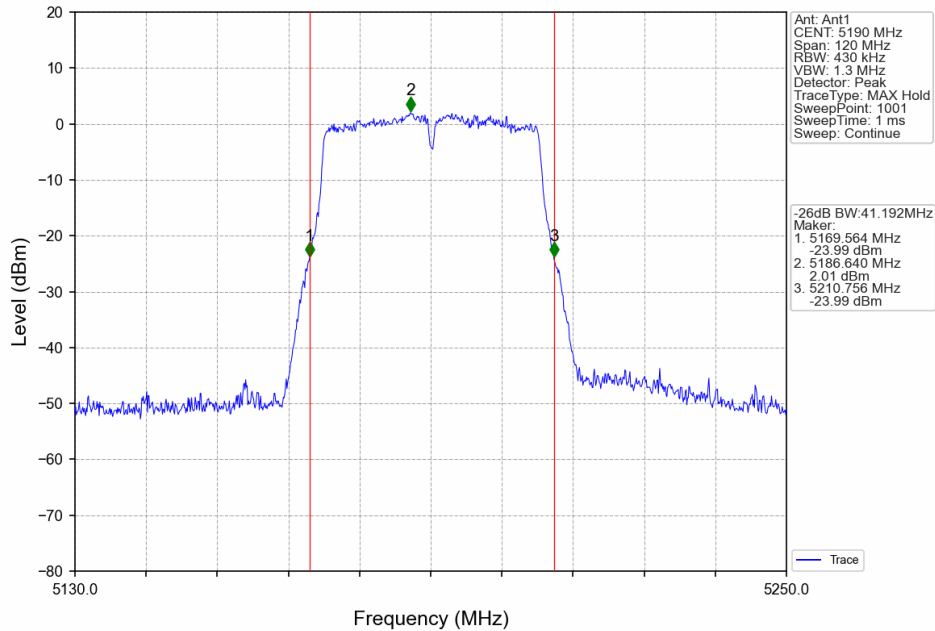
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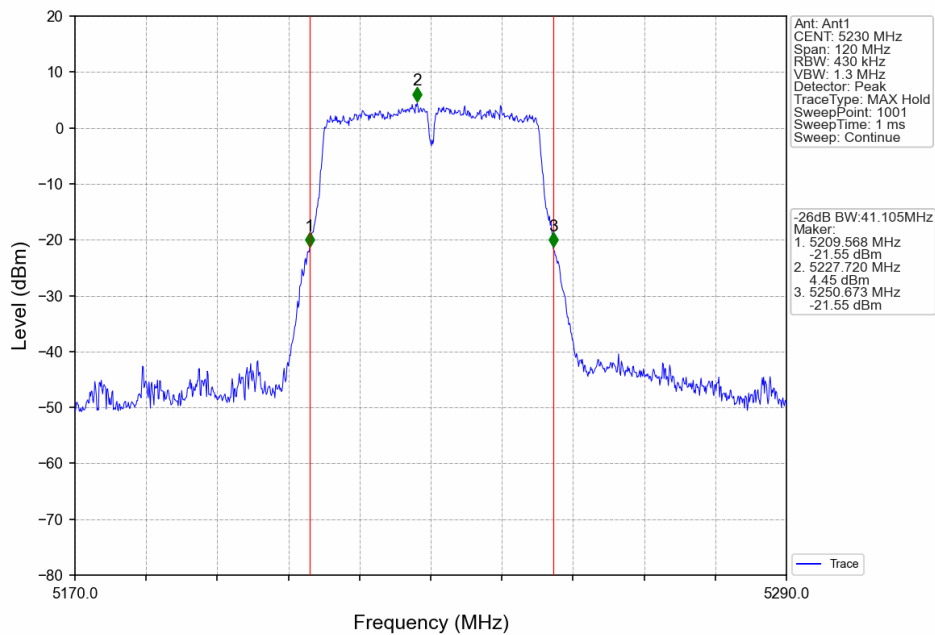
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



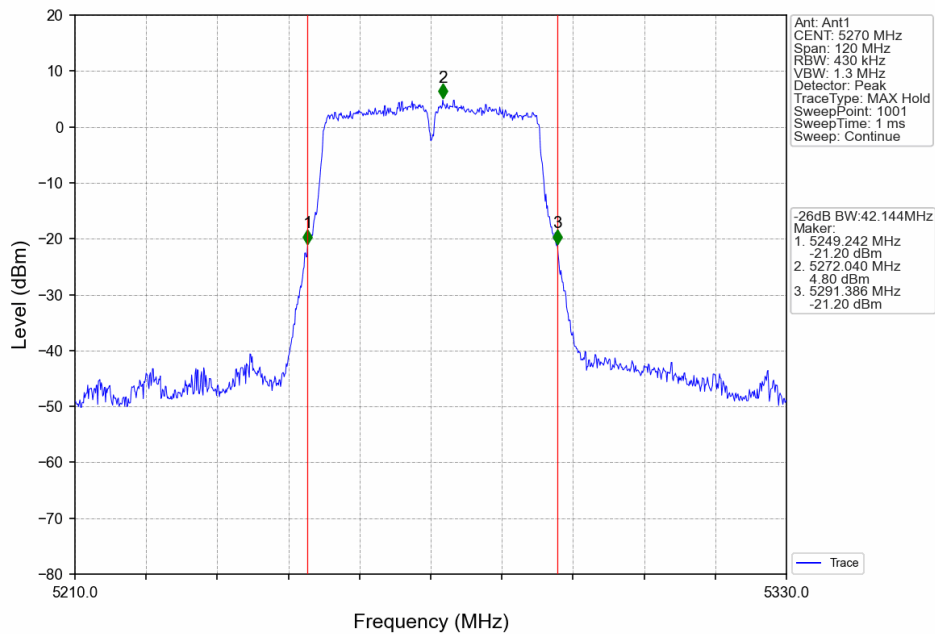
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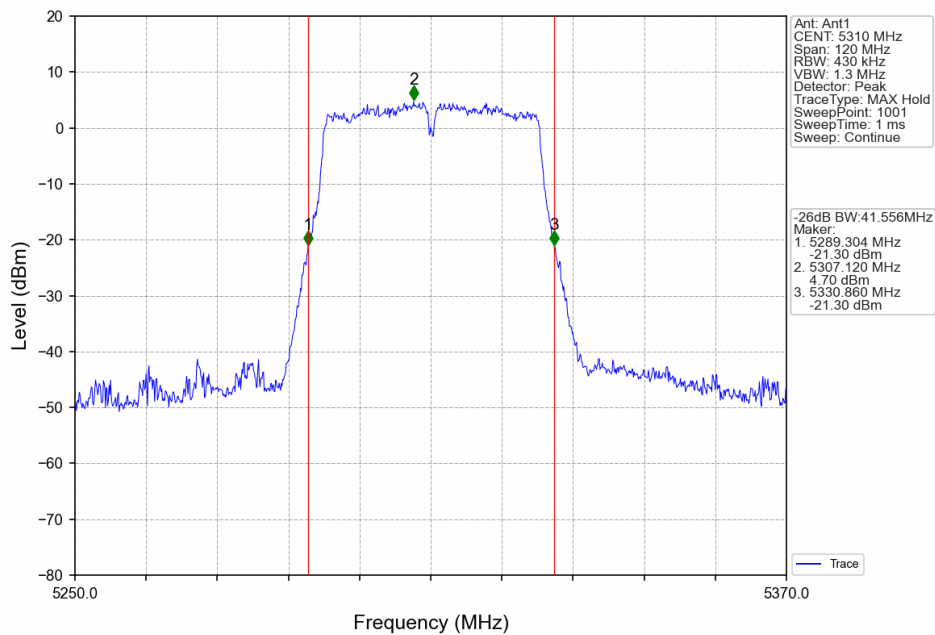
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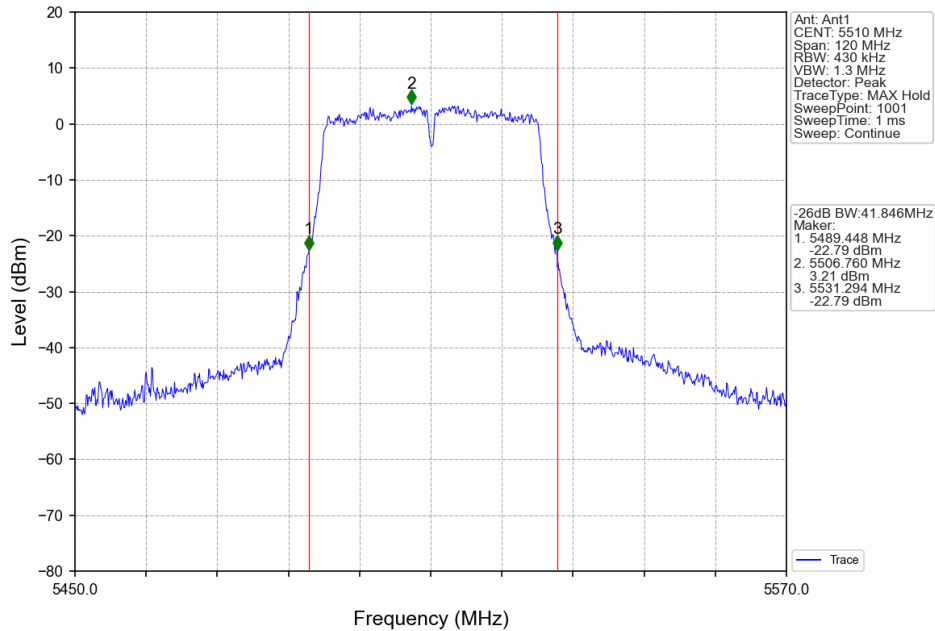
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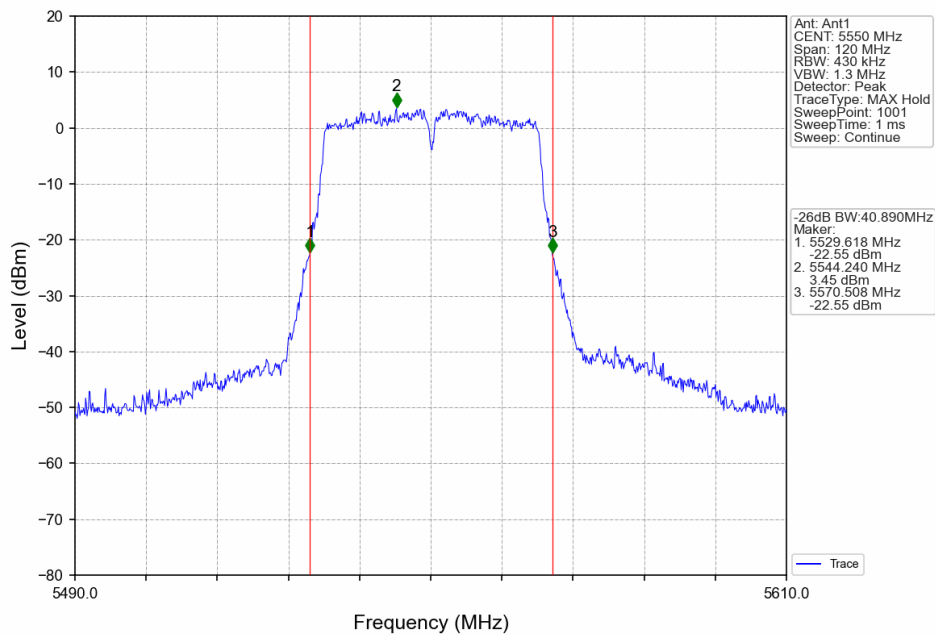
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



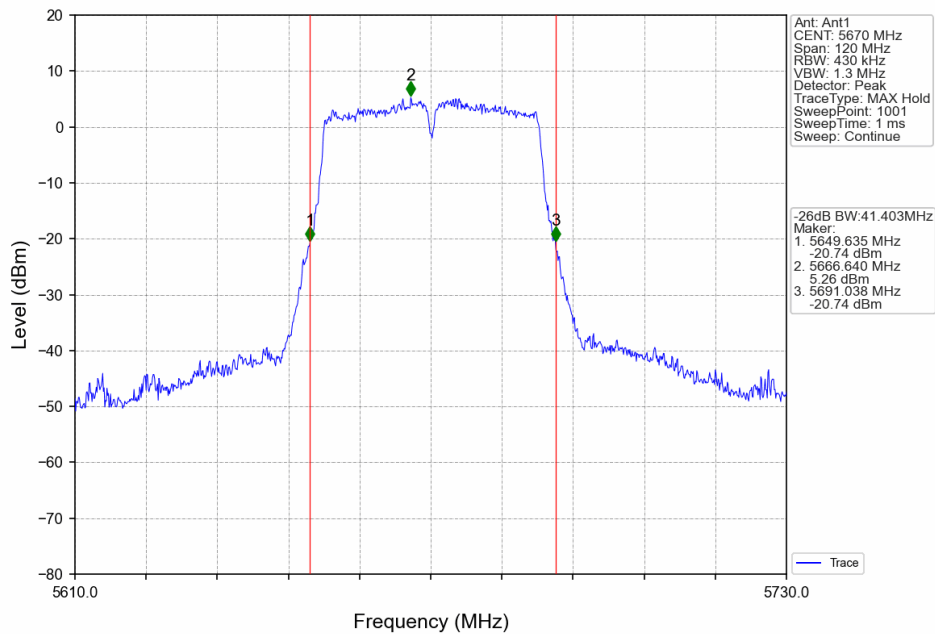
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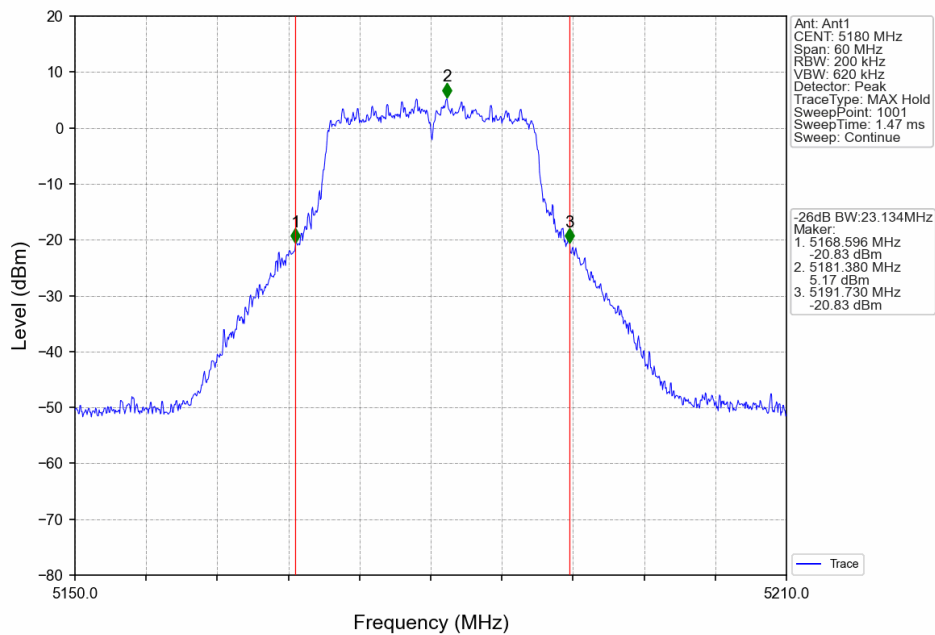
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



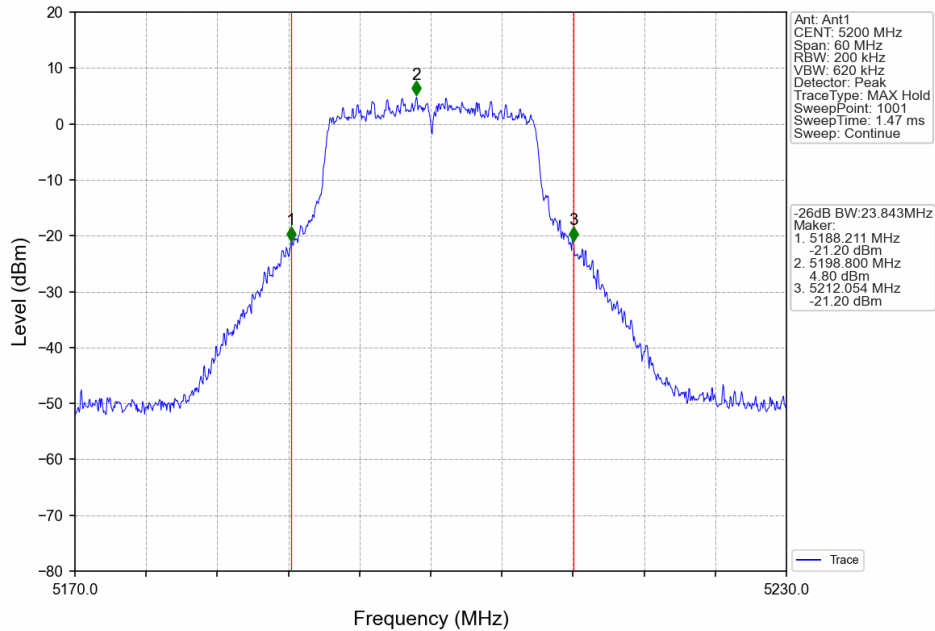
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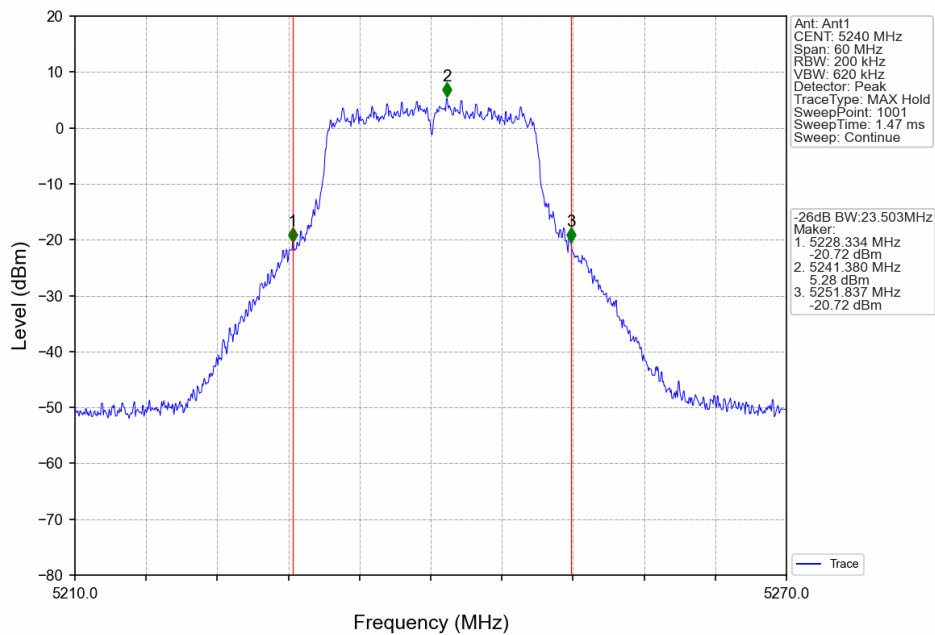
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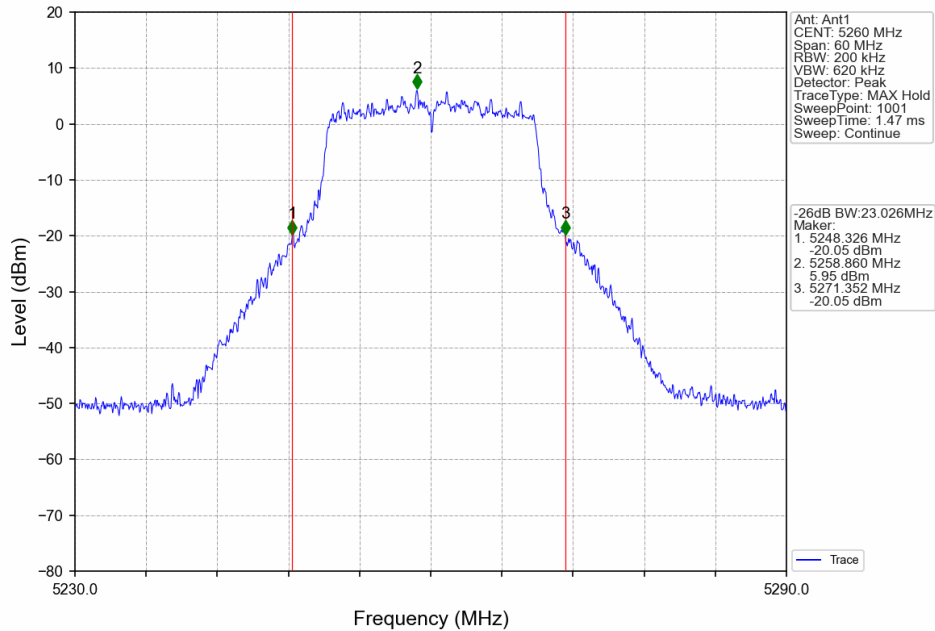
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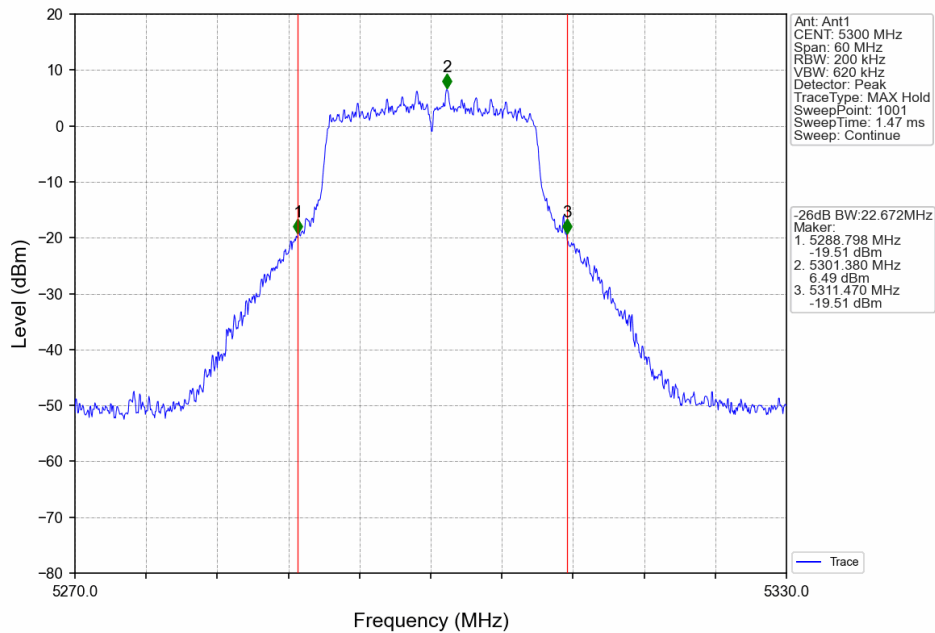
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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



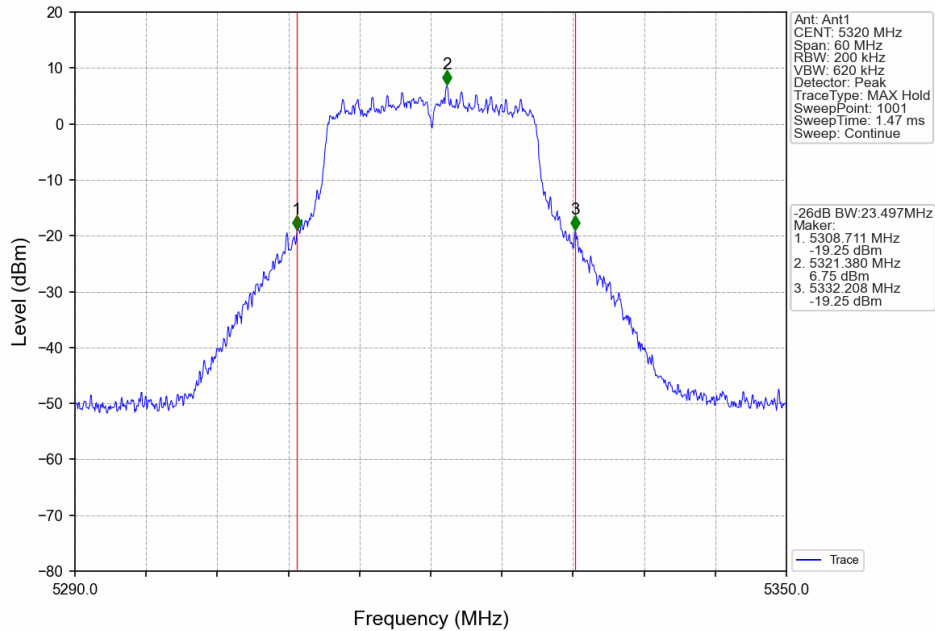
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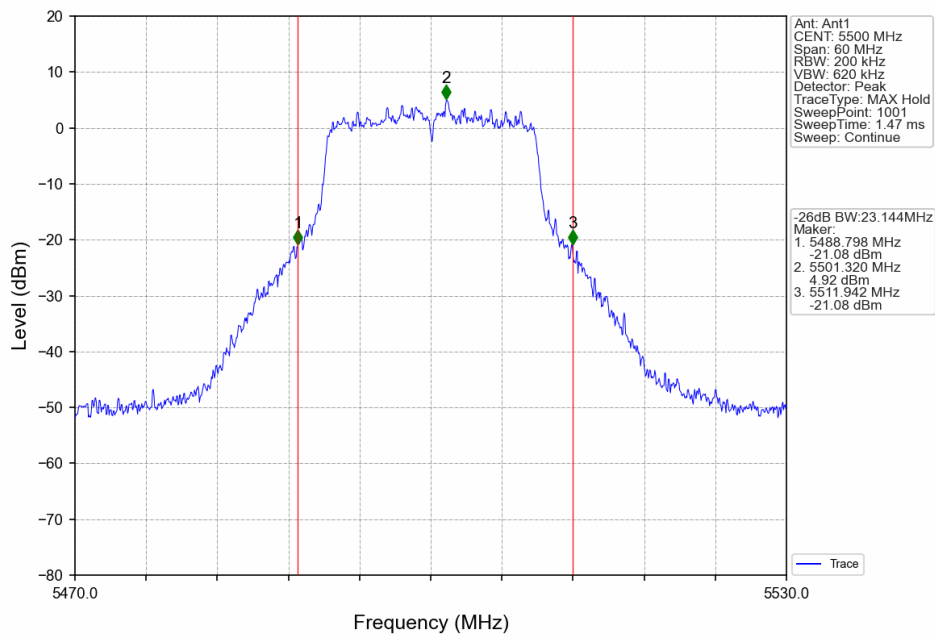
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



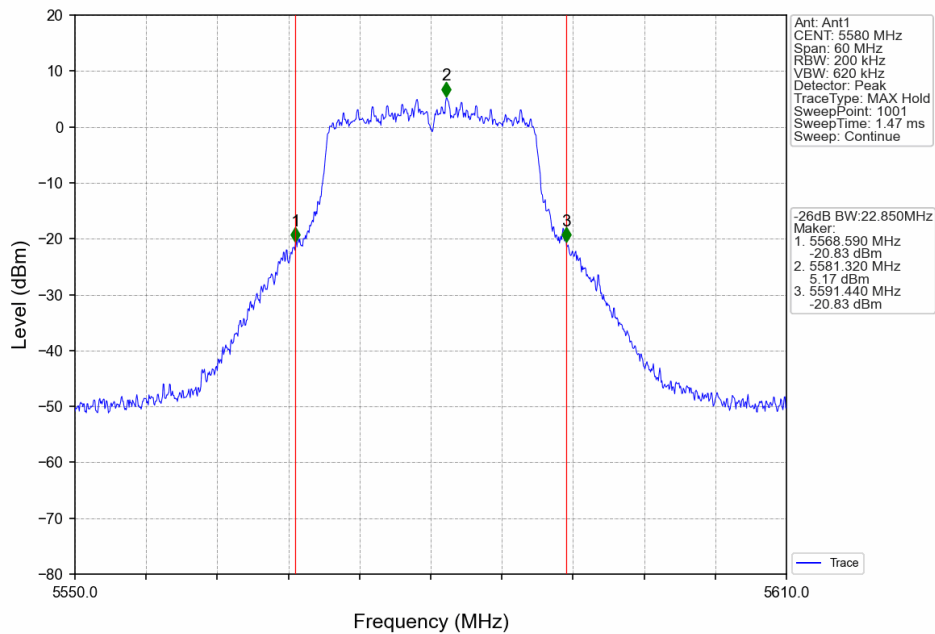
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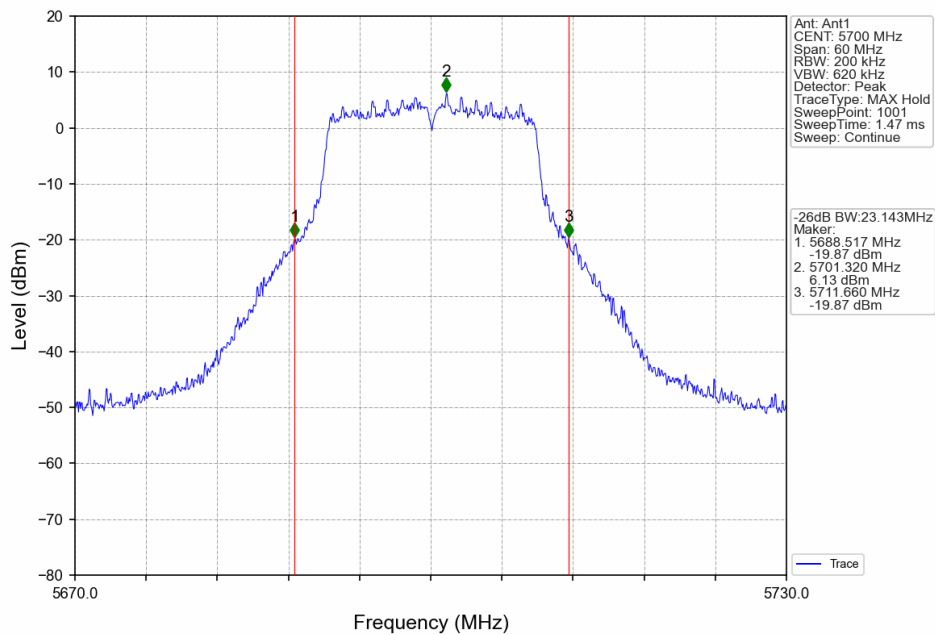
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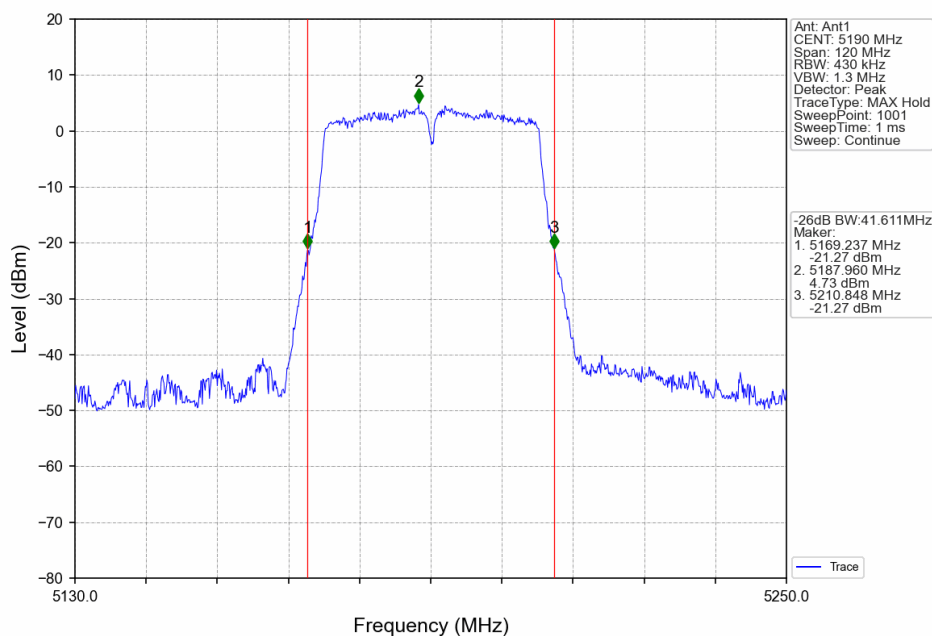
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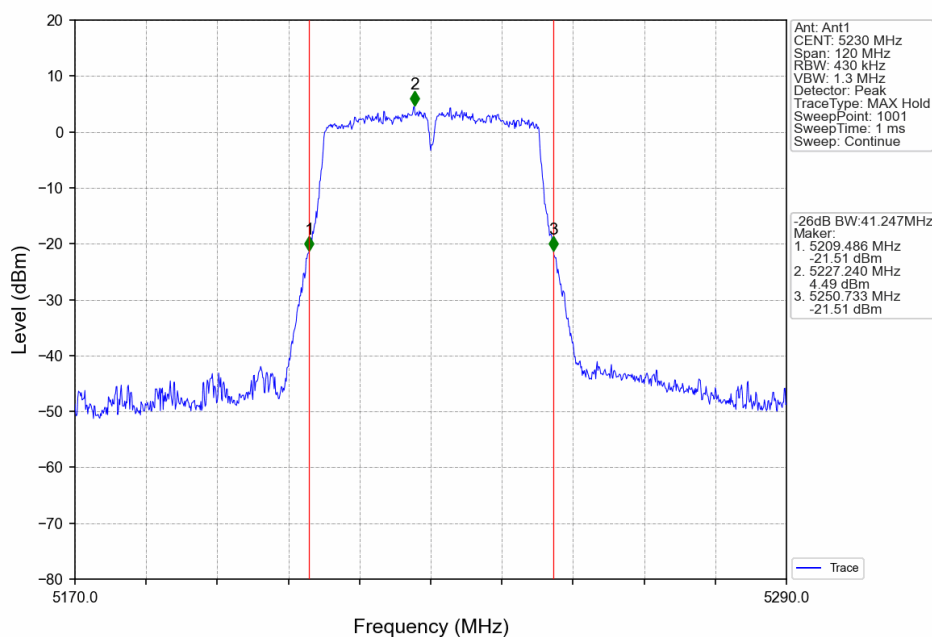
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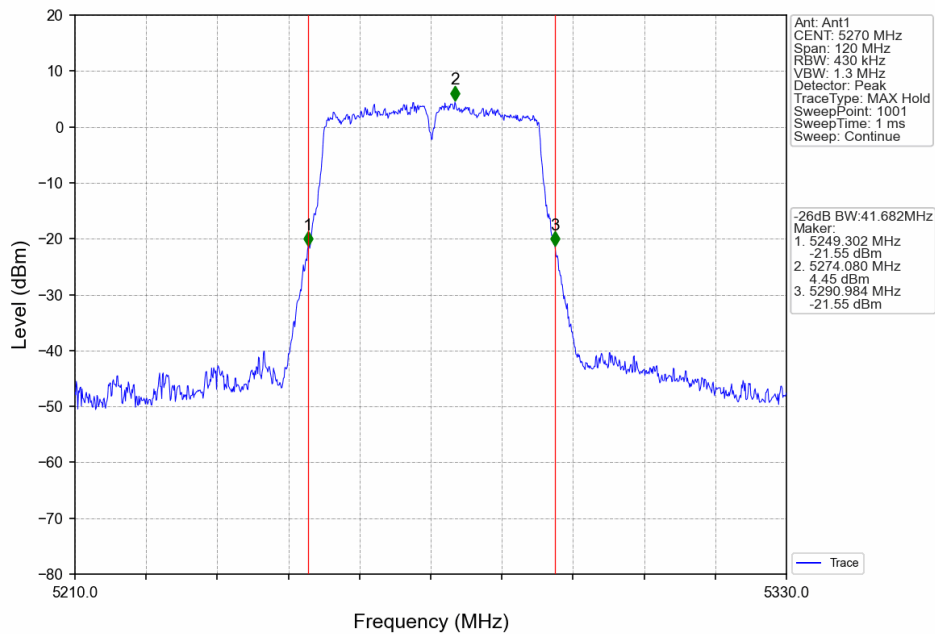
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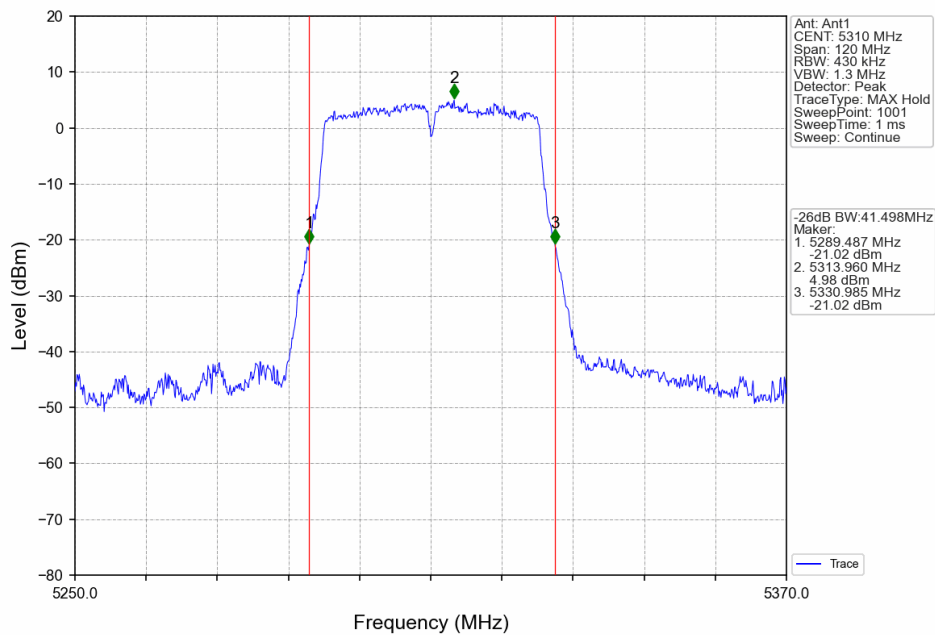
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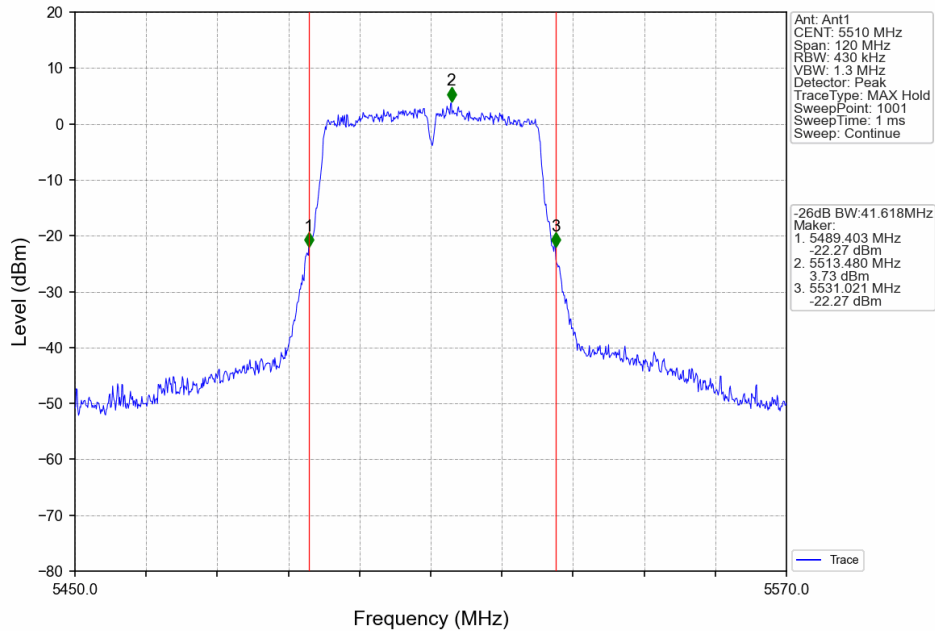
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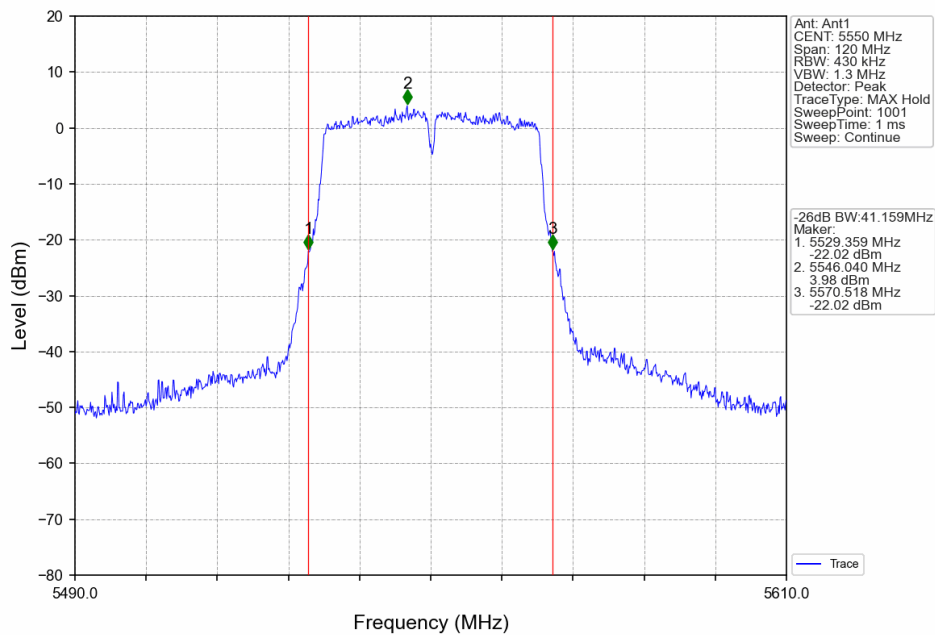
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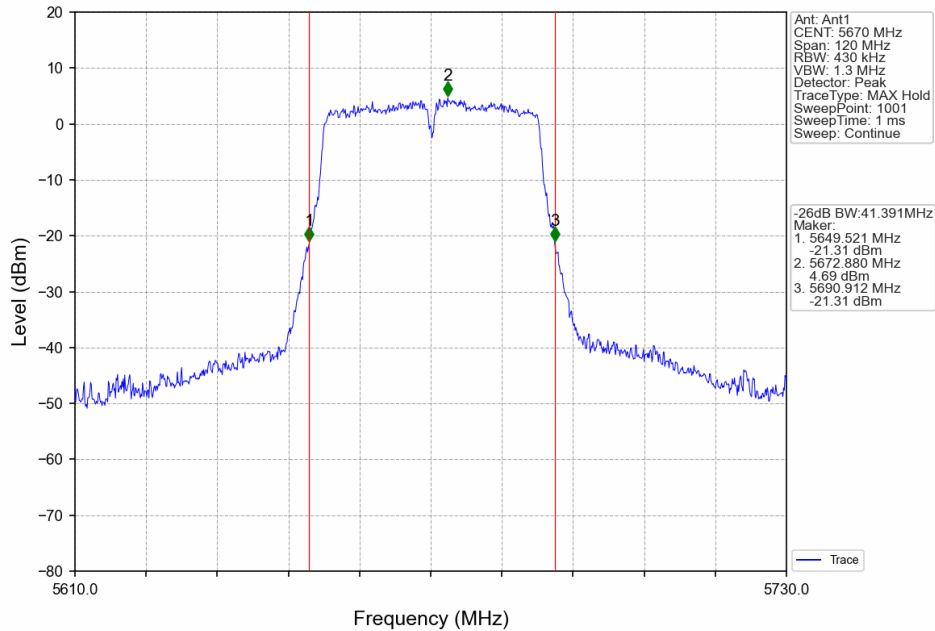
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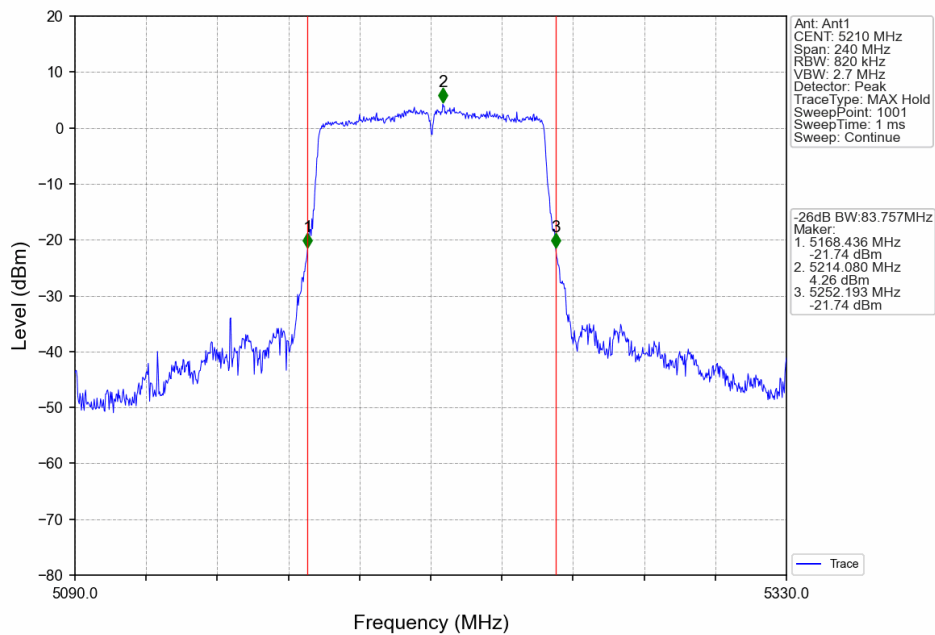
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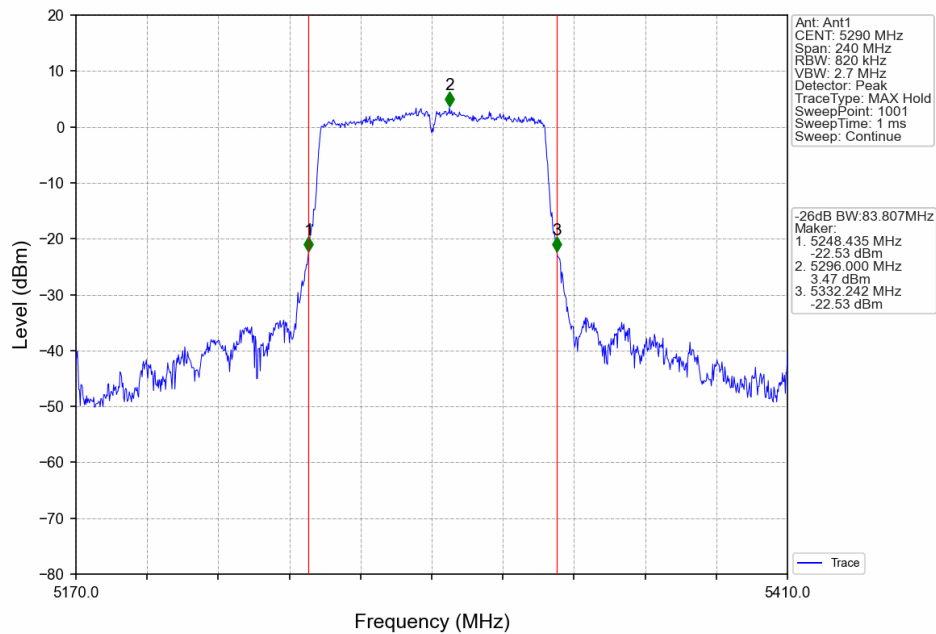
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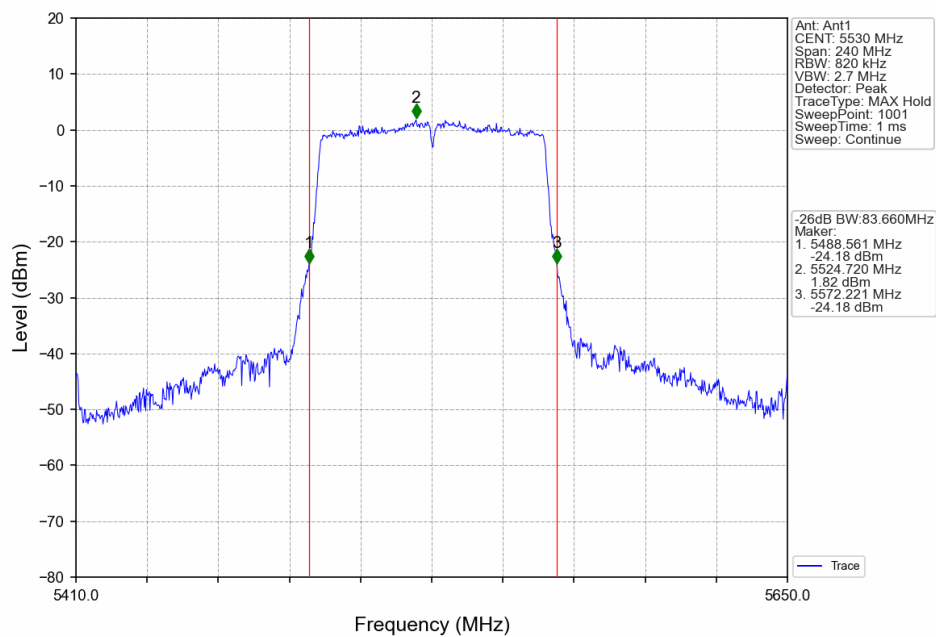
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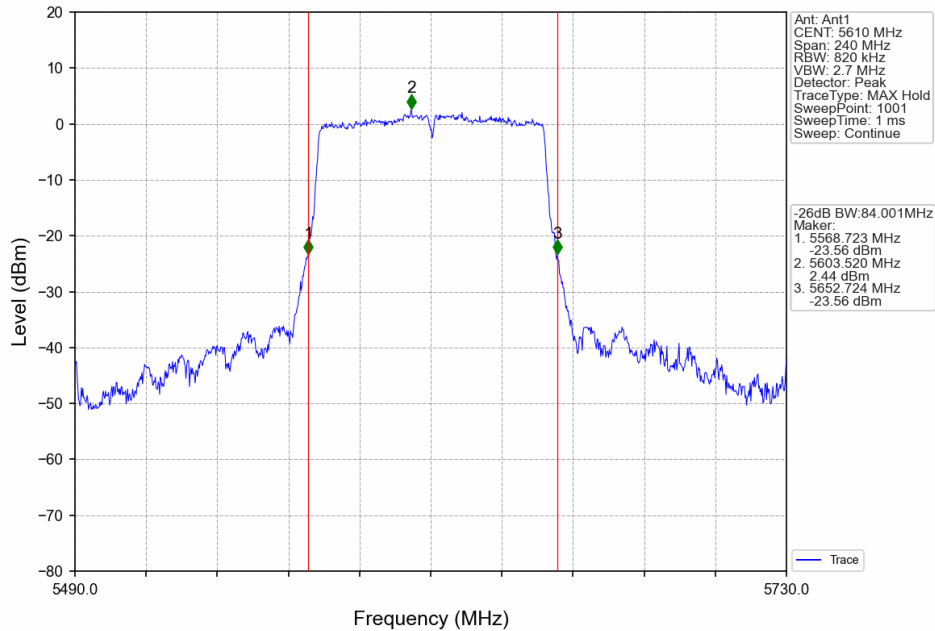
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



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	Limit	
802.11a	SISO	5180	15.14	<=23.98	Pass
		5200	15.03	<=23.98	Pass
		5240	15.26	<=23.98	Pass
		5260	15.39	<=23.98	Pass
		5300	15.91	<=23.98	Pass
		5320	16.19	<=23.98	Pass
		5500	14.52	<=23.98	Pass
		5580	14.66	<=23.98	Pass
		5700	16.04	<=23.98	Pass
		5745	15.68	<=30	Pass
		5785	15.72	<=30	Pass
		5825	15.50	<=30	Pass
802.11n (HT20)	SISO	5180	14.06	<=23.98	Pass
		5200	13.91	<=23.98	Pass
		5240	14.12	<=23.98	Pass
		5260	14.39	<=23.98	Pass
		5300	14.78	<=23.98	Pass
		5320	14.84	<=23.98	Pass
		5500	13.21	<=23.98	Pass
		5580	13.47	<=23.98	Pass
		5700	14.91	<=23.98	Pass
		5745	14.40	<=30	Pass
		5785	14.40	<=30	Pass
		5825	14.19	<=30	Pass
802.11n (HT40)	SISO	5190	13.89	<=23.98	Pass
		5230	13.84	<=23.98	Pass
		5270	14.13	<=23.98	Pass
		5310	14.49	<=23.98	Pass
		5510	12.65	<=23.98	Pass
		5550	13.30	<=23.98	Pass
		5670	14.20	<=23.98	Pass



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		5755	14.43	<=30	Pass
		5795	14.40	<=30	Pass
802.11ac (VHT20)	SISO	5180	14.06	<=23.98	Pass
		5200	13.98	<=23.98	Pass
		5240	14.11	<=23.98	Pass
		5260	14.40	<=23.98	Pass
		5300	14.71	<=23.98	Pass
		5320	14.93	<=23.98	Pass
		5500	13.30	<=23.98	Pass
		5580	13.47	<=23.98	Pass
		5700	14.86	<=23.98	Pass
		5745	14.40	<=30	Pass
		5785	14.46	<=30	Pass
		5825	14.08	<=30	Pass
802.11ac (VHT40)	SISO	5190	13.66	<=23.98	Pass
		5230	13.57	<=23.98	Pass
		5270	13.96	<=23.98	Pass
		5310	14.39	<=23.98	Pass
		5510	12.82	<=23.98	Pass
		5550	13.01	<=23.98	Pass
		5670	14.38	<=23.98	Pass
		5755	14.07	<=30	Pass
		5795	13.89	<=30	Pass
802.11ac (VHT80)	SISO	5210	13.43	<=23.98	Pass
		5290	12.84	<=23.98	Pass
		5530	11.72	<=23.98	Pass
		5610	11.66	<=23.98	Pass
		5775	12.90	<=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	Limit	
802.11a	SISO	5180	4.49	<=11	Pass
		5200	4.28	<=11	Pass
		5240	4.60	<=11	Pass
		5260	4.77	<=11	Pass
		5300	5.23	<=11	Pass
		5320	5.67	<=11	Pass
		5500	3.86	<=11	Pass
		5580	4.03	<=11	Pass
		5700	5.43	<=11	Pass
802.11n (HT20)	SISO	5180	3.26	<=11	Pass
		5200	3.05	<=11	Pass
		5240	3.24	<=11	Pass
		5260	3.51	<=11	Pass
		5300	3.96	<=11	Pass
		5320	3.88	<=11	Pass
		5500	2.28	<=11	Pass
		5580	2.66	<=11	Pass
		5700	4.07	<=11	Pass
802.11n (HT40)	SISO	5190	0.12	<=11	Pass
		5230	0.03	<=11	Pass
		5270	0.23	<=11	Pass
		5310	0.66	<=11	Pass
		5510	-2.59	<=11	Pass
		5550	-0.59	<=11	Pass
		5670	0.32	<=11	Pass
802.11ac (VHT20)	SISO	5180	3.20	<=11	Pass
		5200	3.22	<=11	Pass
		5240	3.29	<=11	Pass
		5260	3.52	<=11	Pass
		5300	3.83	<=11	Pass
		5320	3.96	<=11	Pass



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		5500	2.46	<=11	Pass
		5580	2.54	<=11	Pass
		5700	3.95	<=11	Pass
802.11ac (VHT40)	SISO	5190	-0.22	<=11	Pass
		5230	-0.22	<=11	Pass
		5270	0.07	<=11	Pass
		5310	0.43	<=11	Pass
		5510	-1.04	<=11	Pass
		5550	-0.80	<=11	Pass
		5670	0.68	<=11	Pass
802.11ac (VHT80)	SISO	5210	-3.62	<=11	Pass
		5290	-4.35	<=11	Pass
		5530	-5.27	<=11	Pass
		5610	-5.56	<=11	Pass



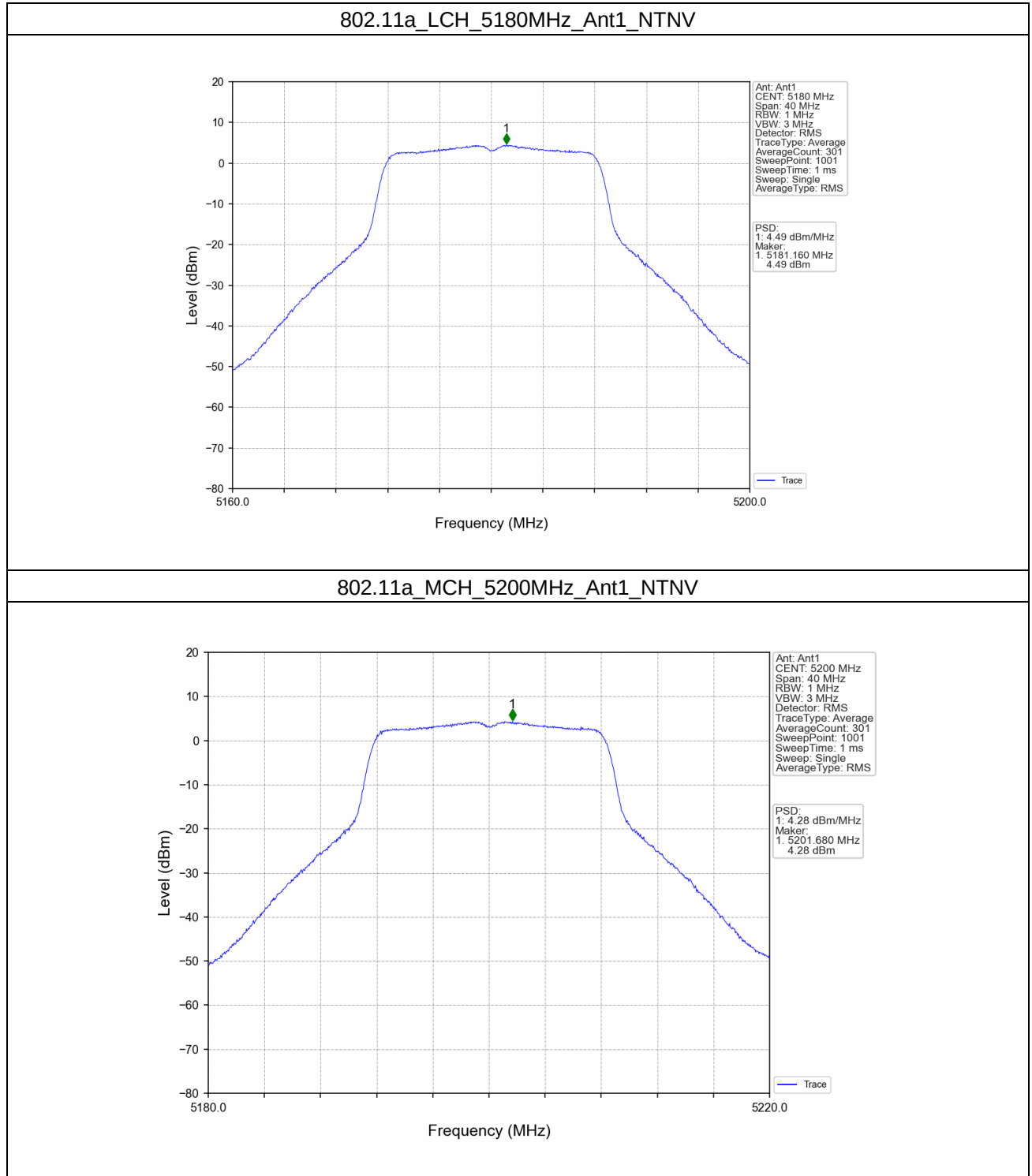
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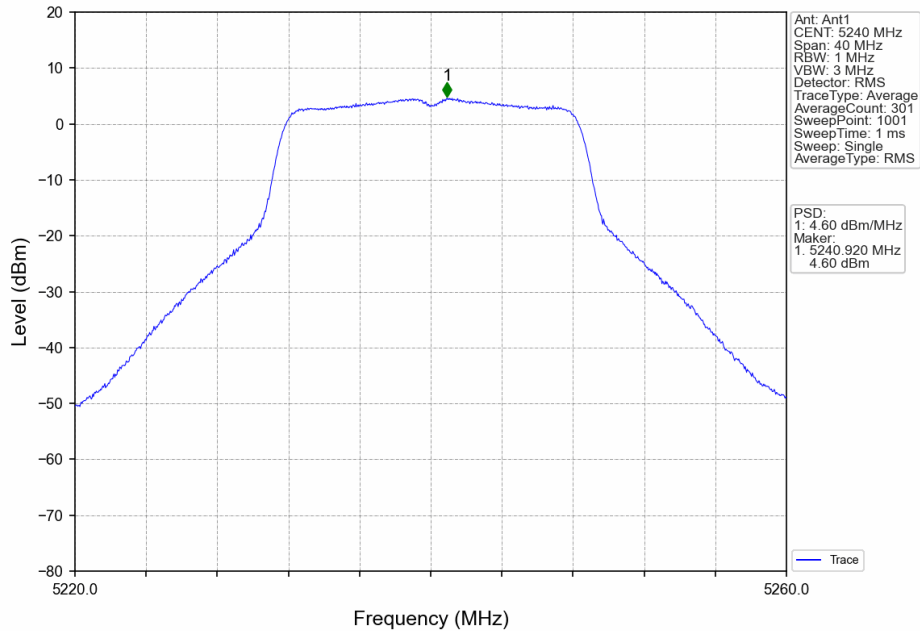
4.1.2 Test Graph



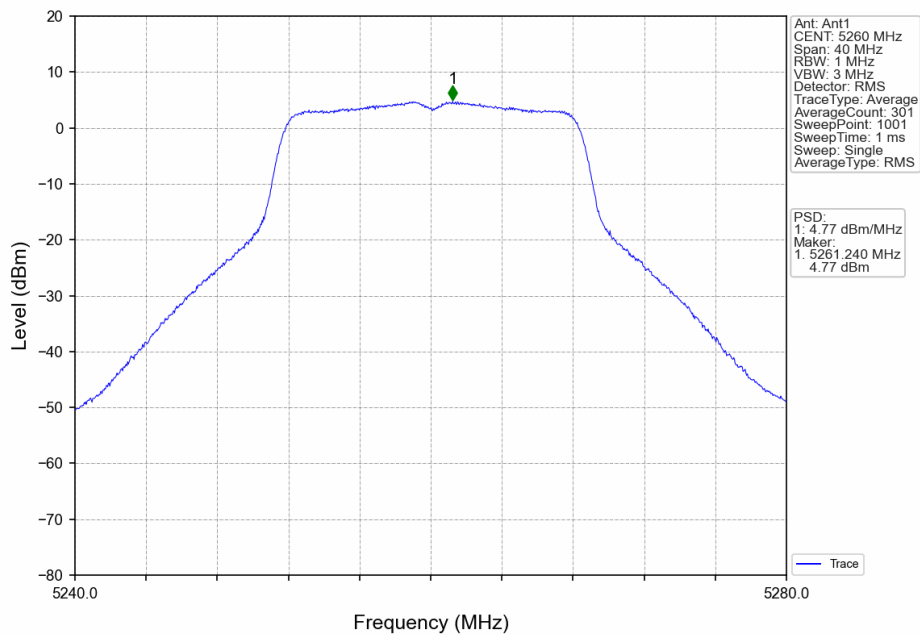
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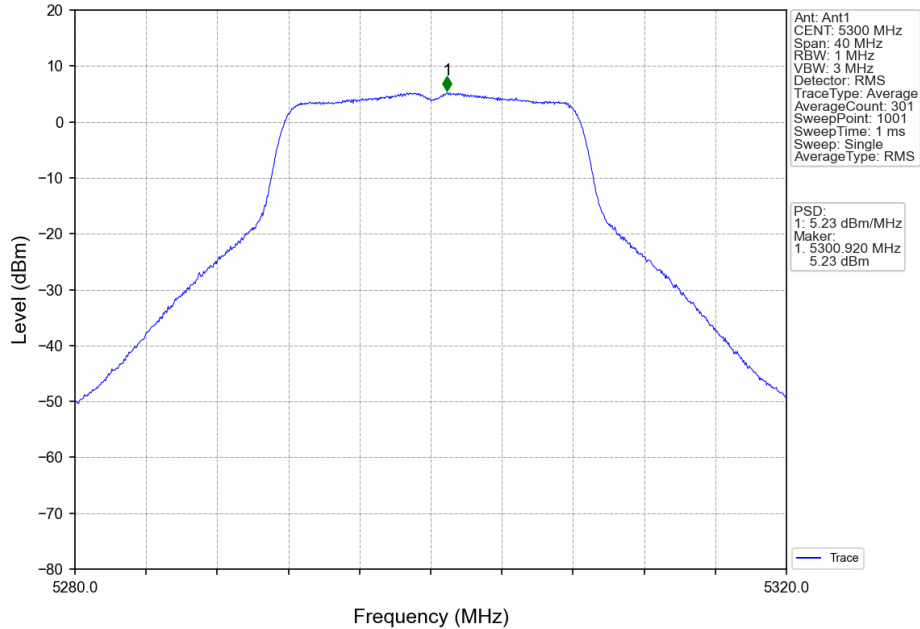
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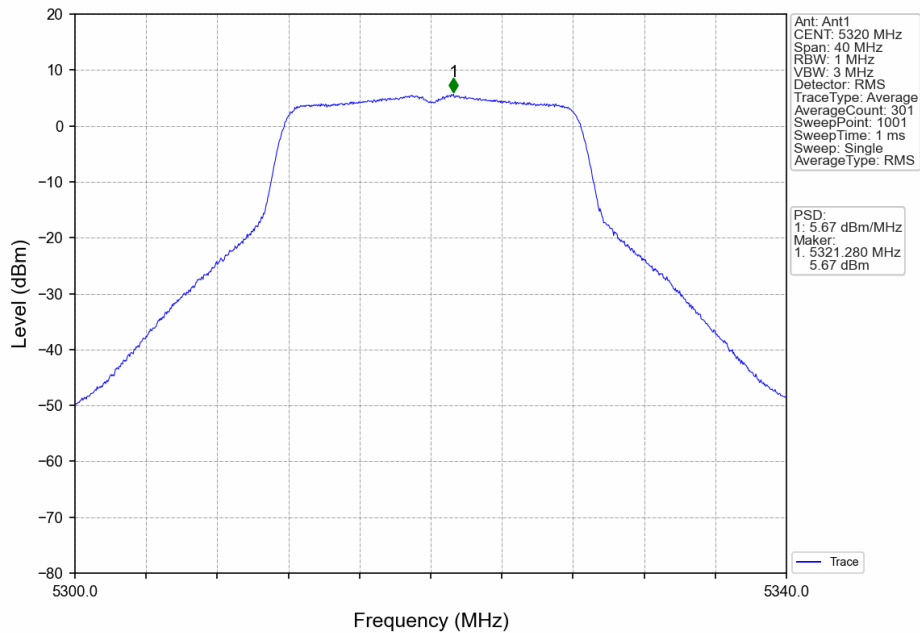
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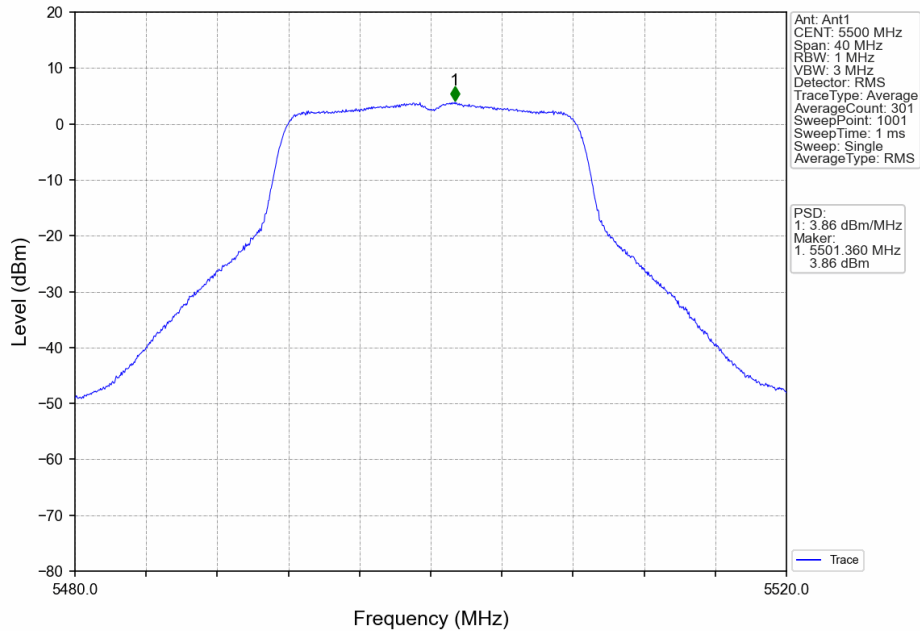
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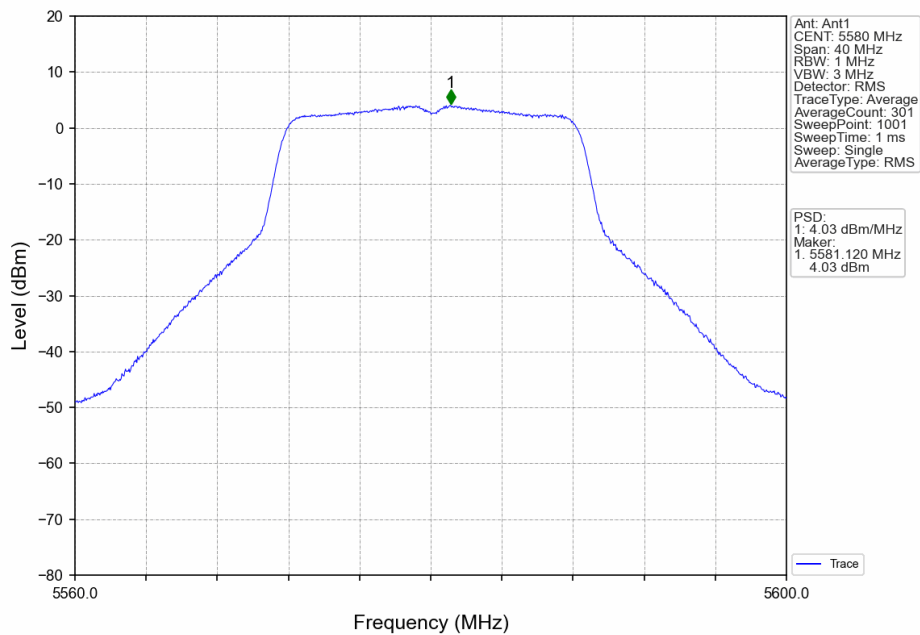
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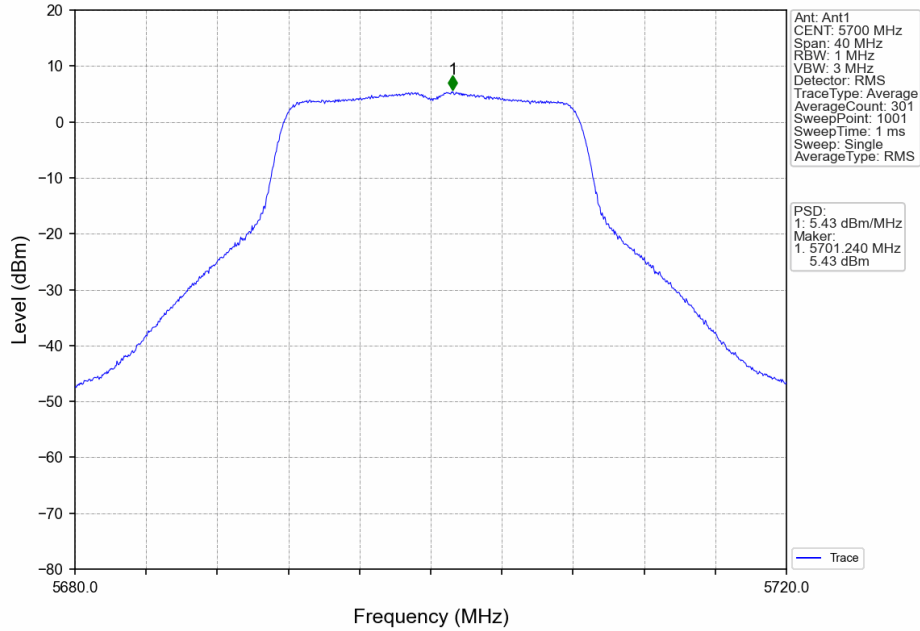
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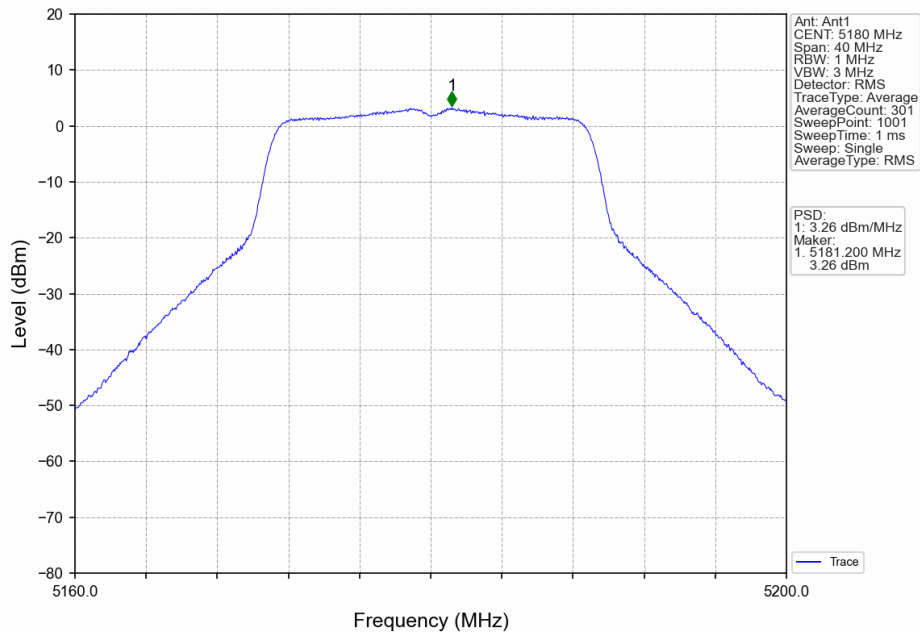
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802.11a_HCH_5700MHz_Ant1_NTNV



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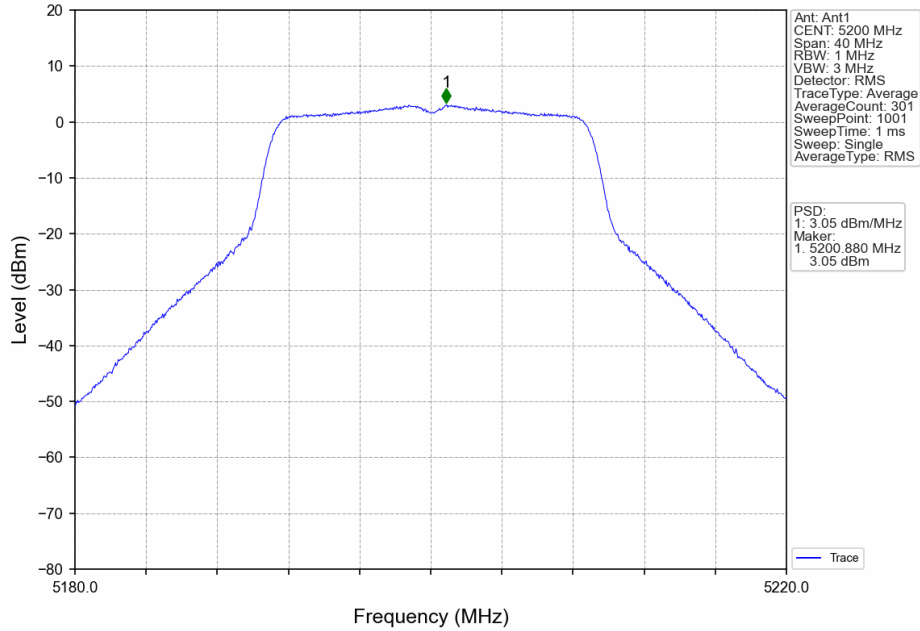
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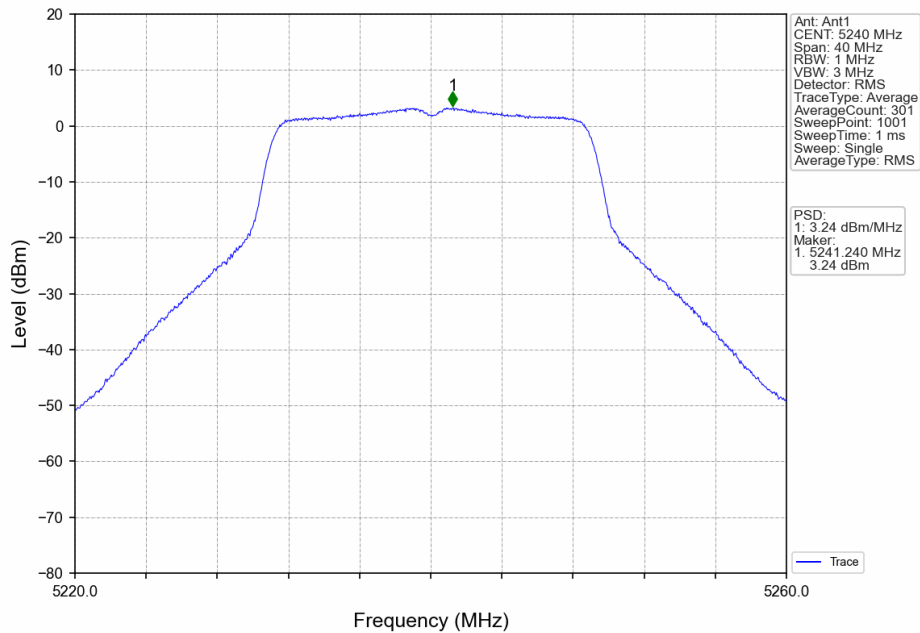
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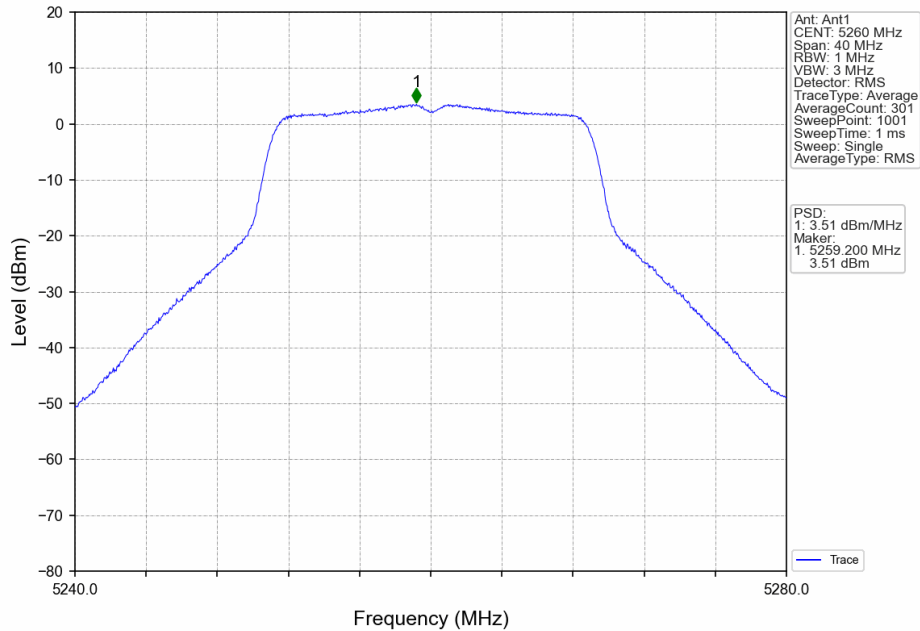
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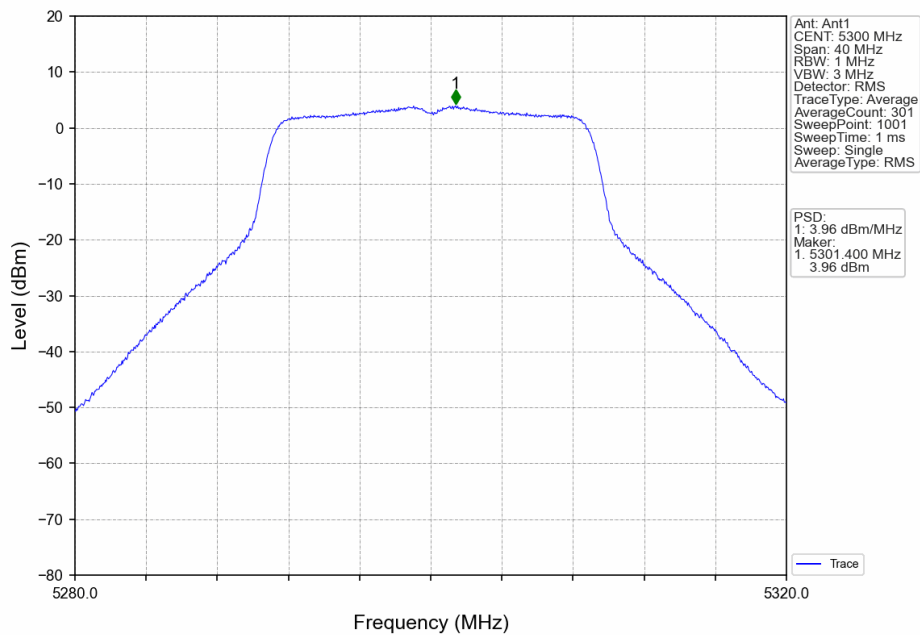
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802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



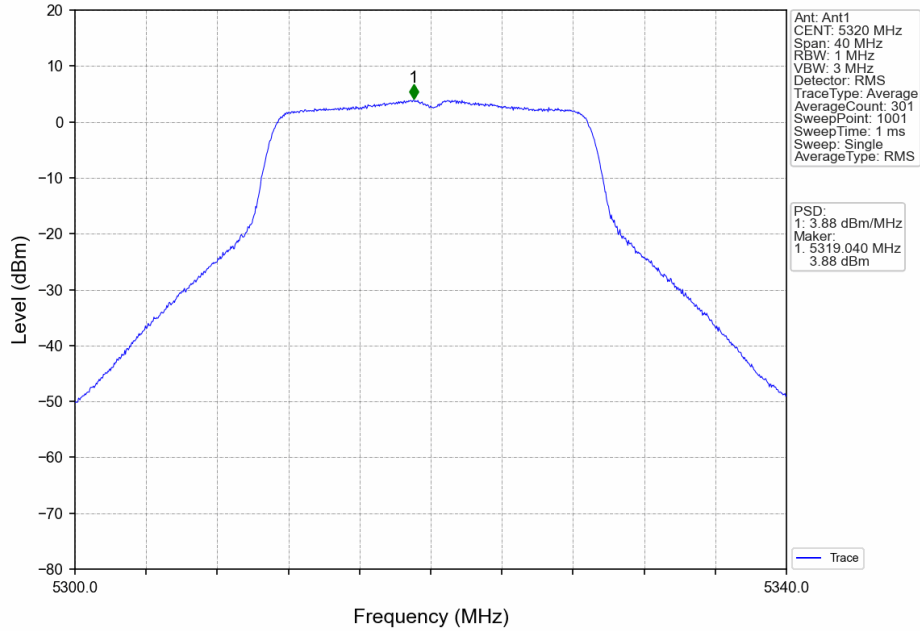
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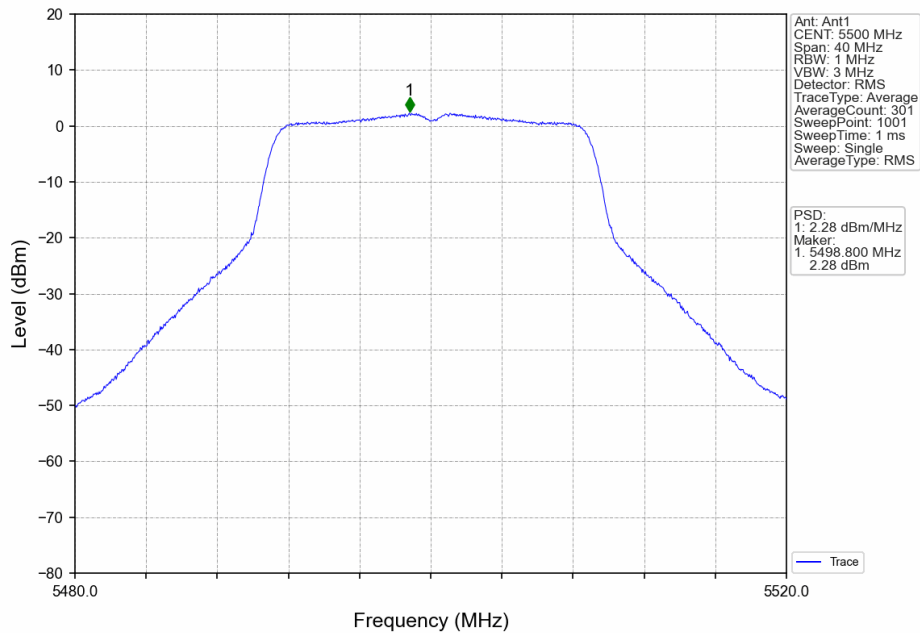
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



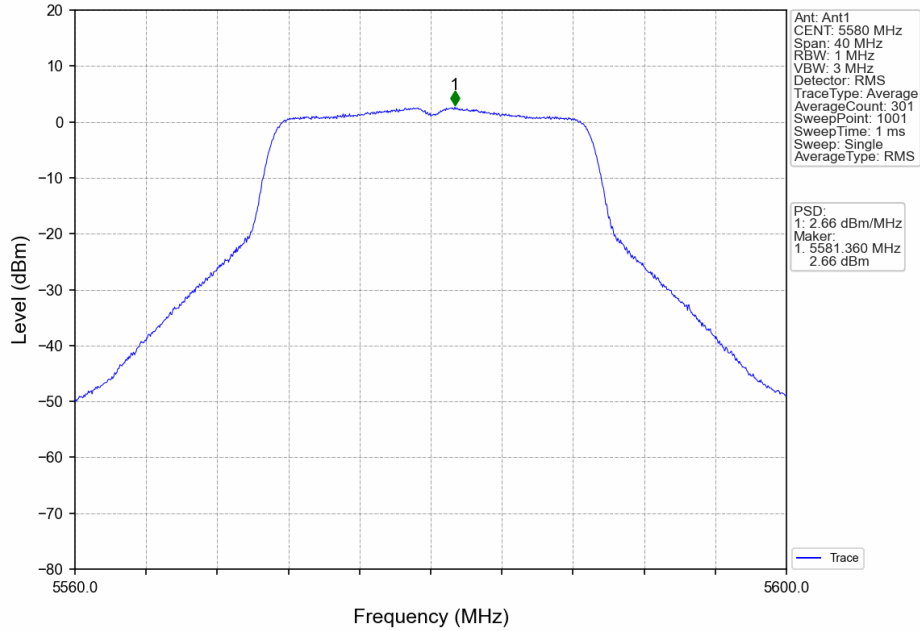
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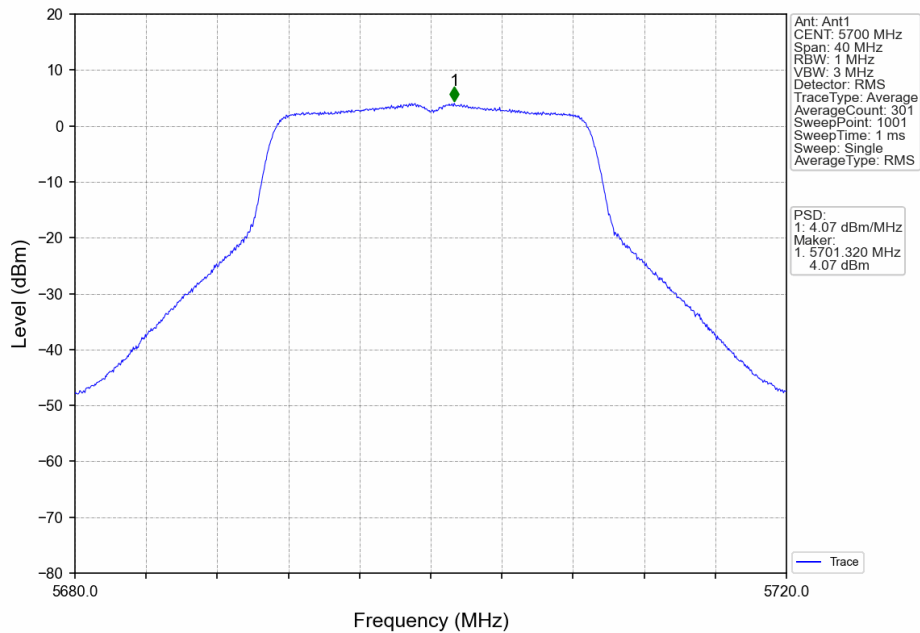
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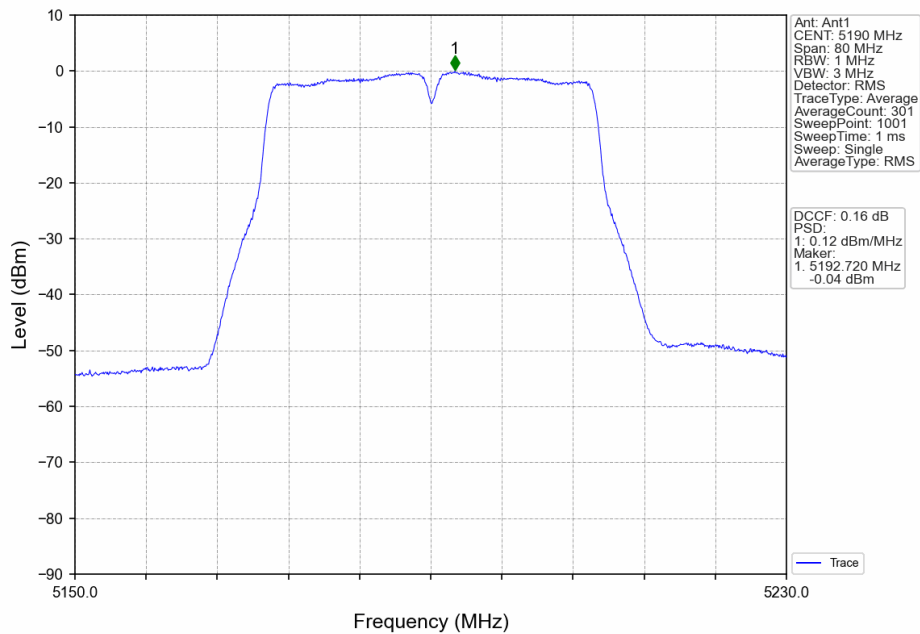
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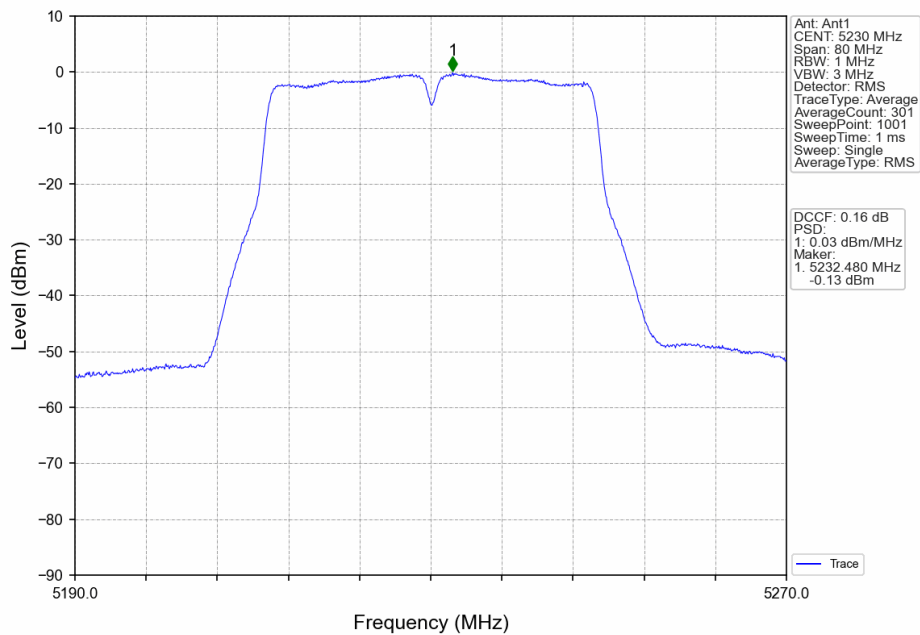
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



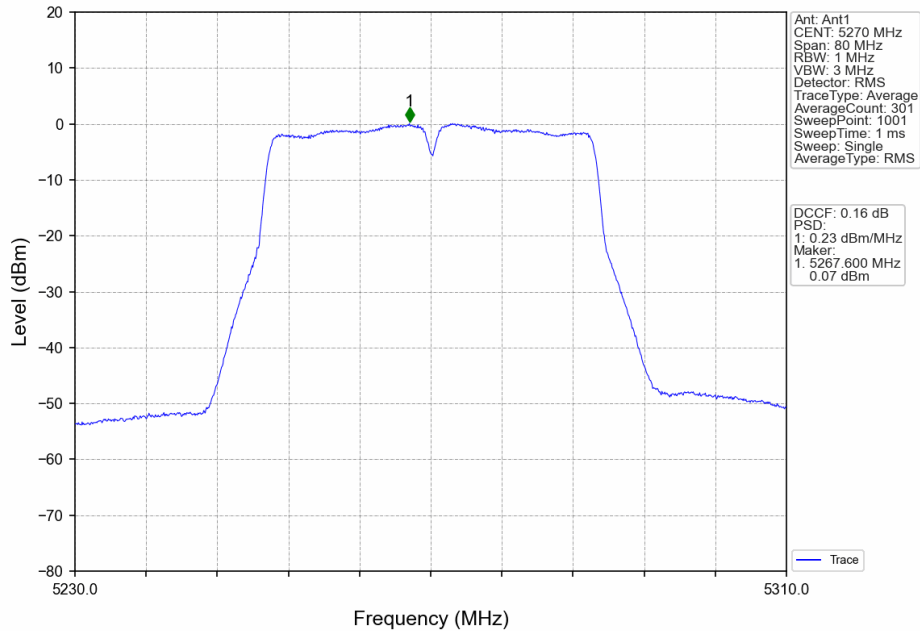
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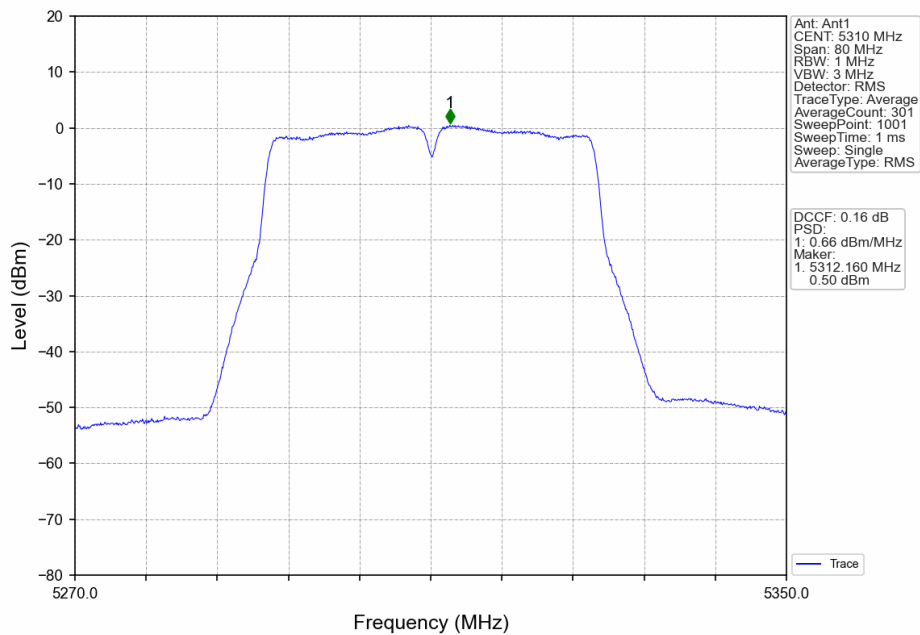
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802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



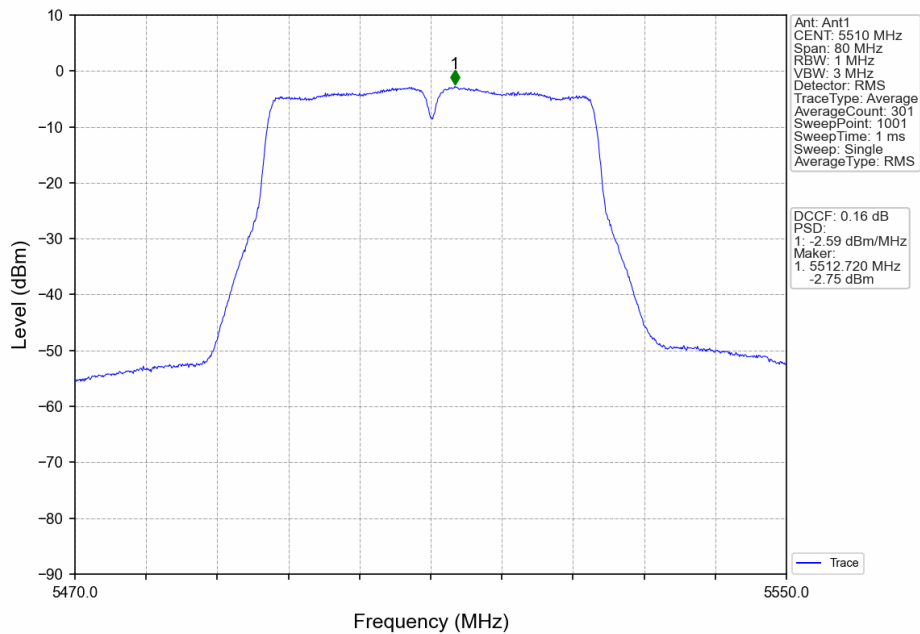
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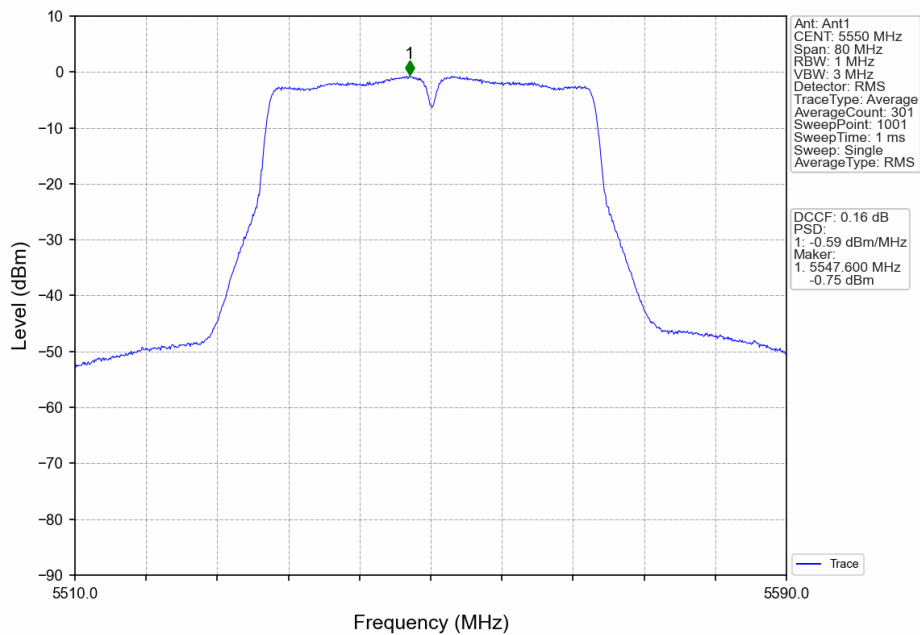
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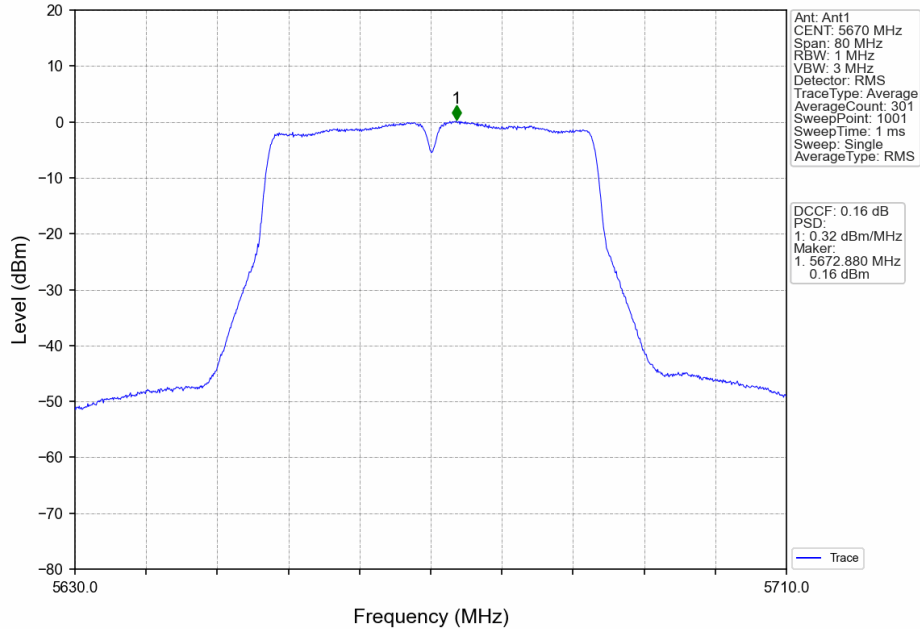
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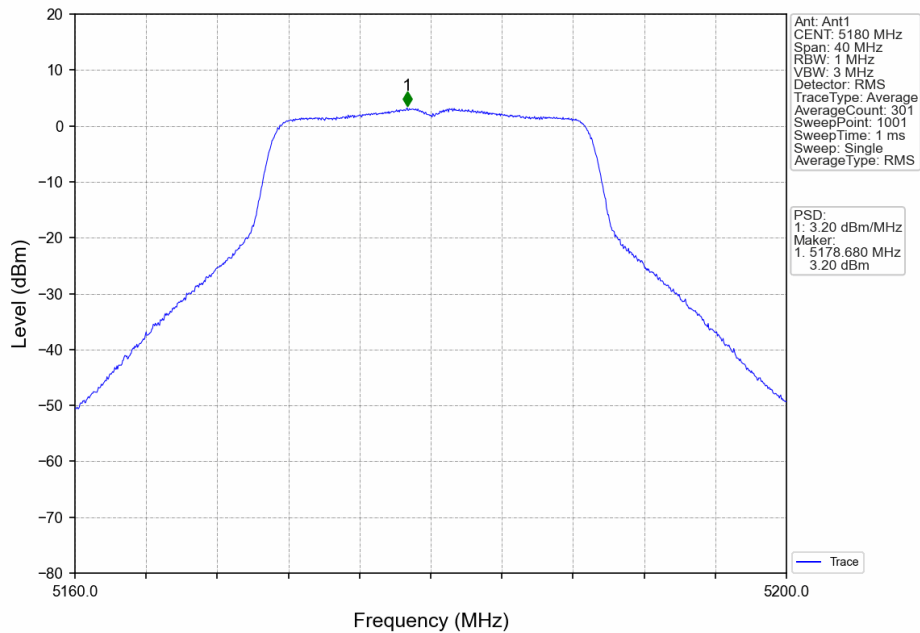
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



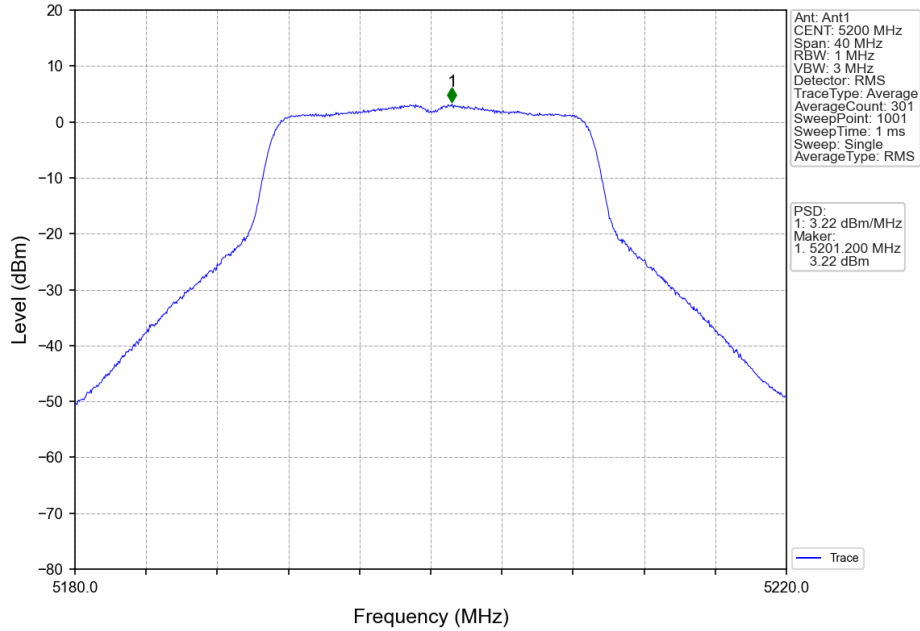
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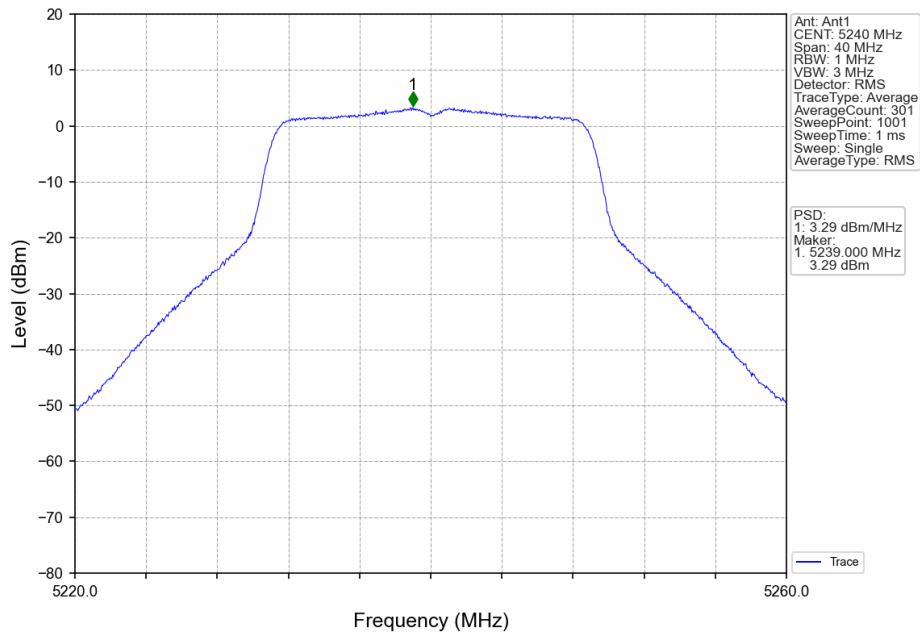
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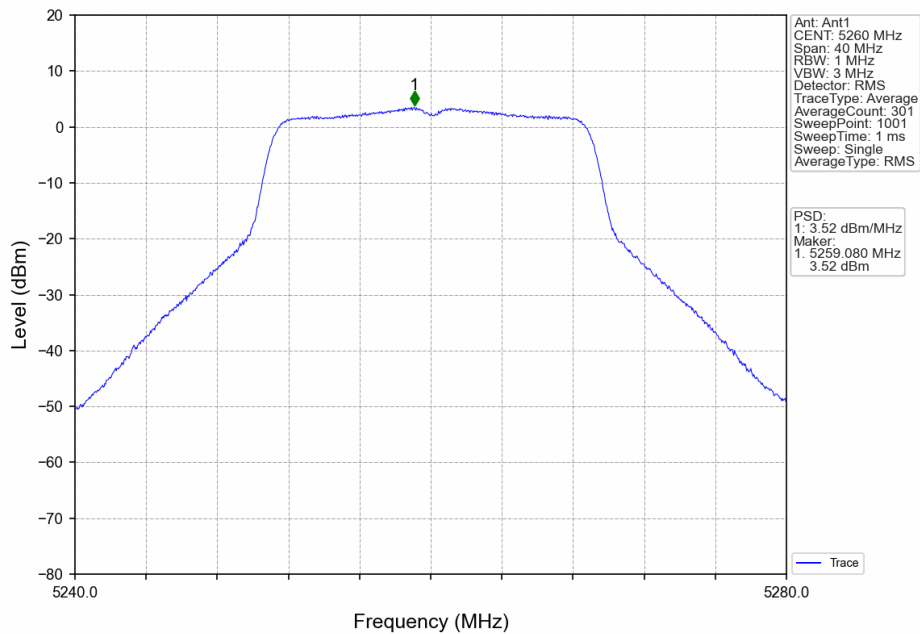
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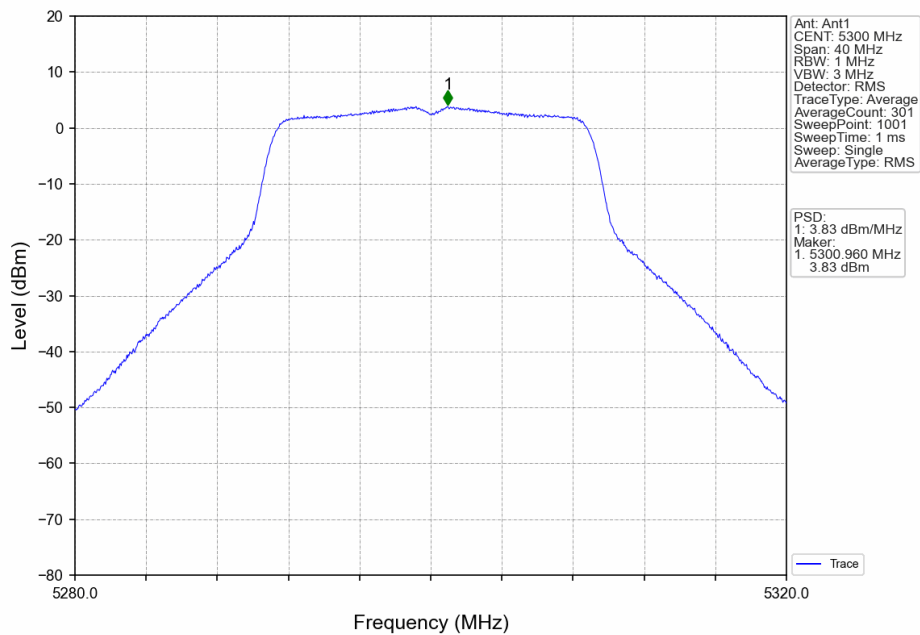
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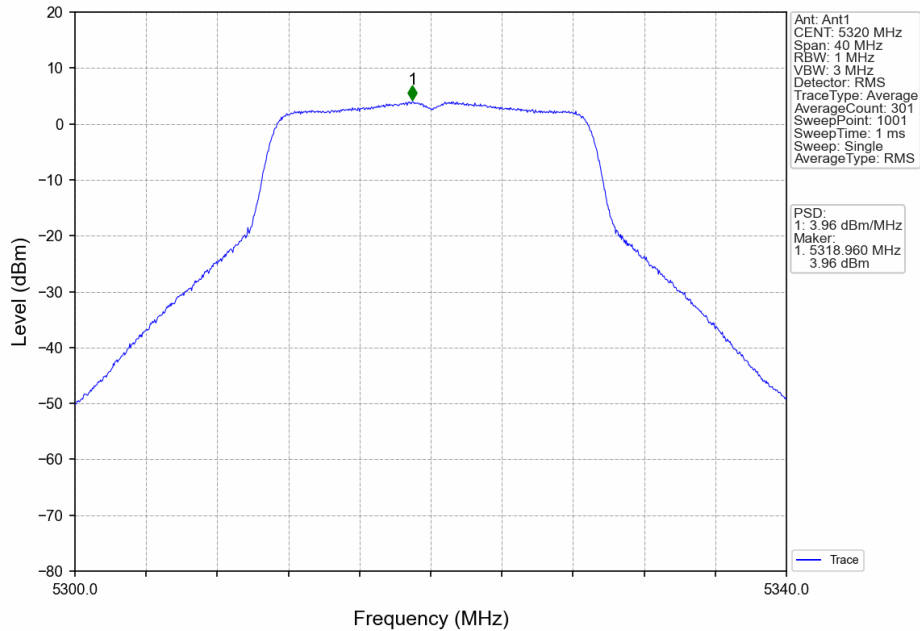
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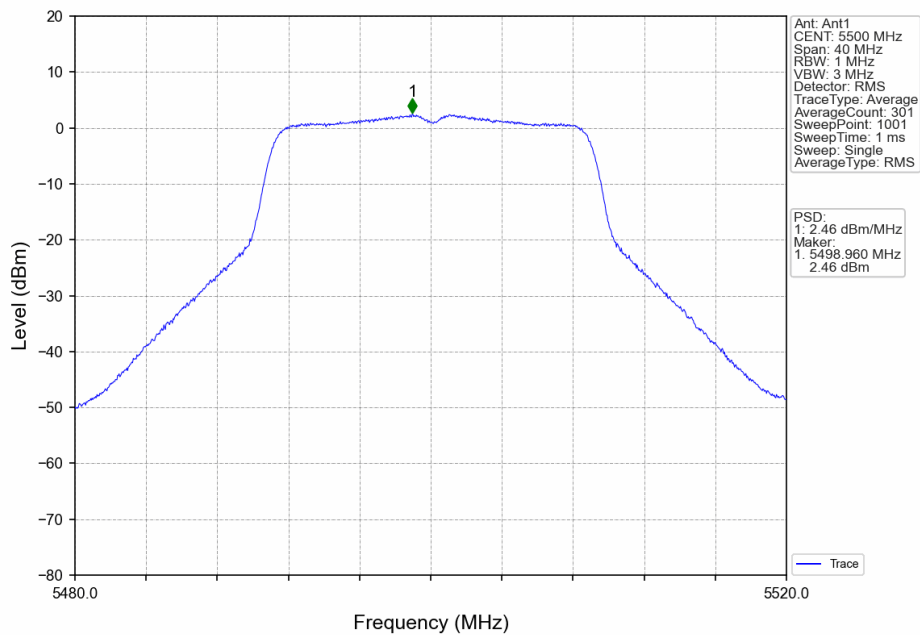
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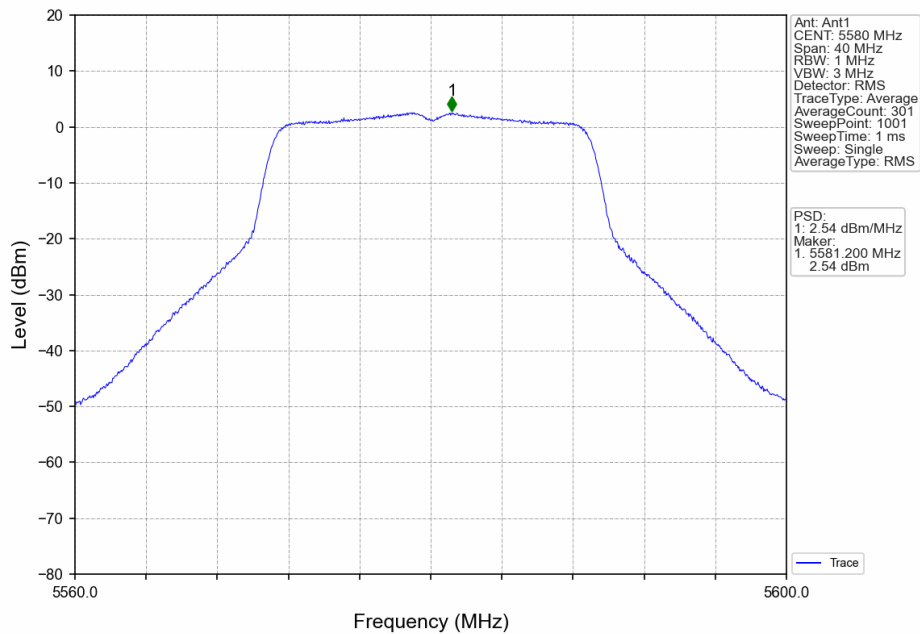
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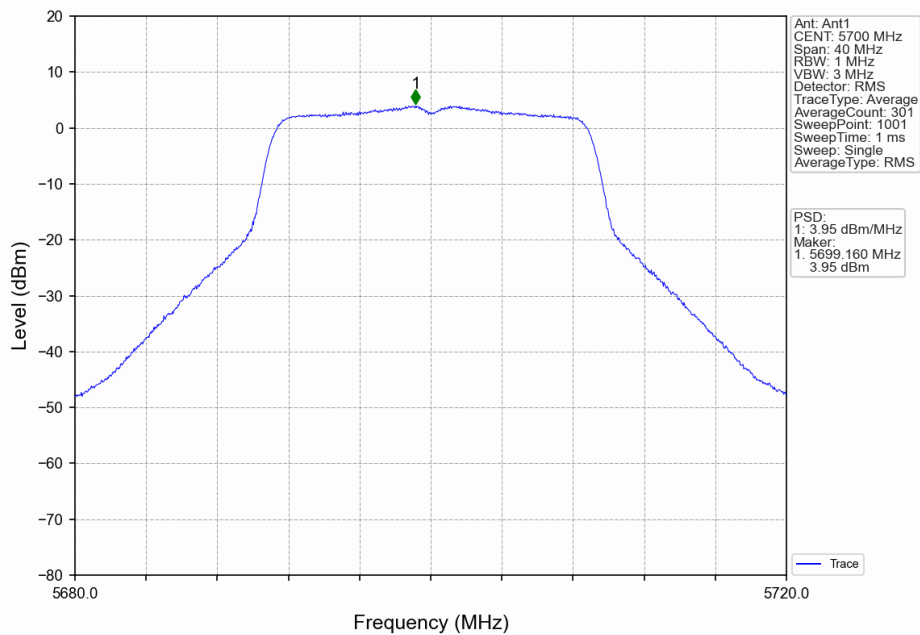
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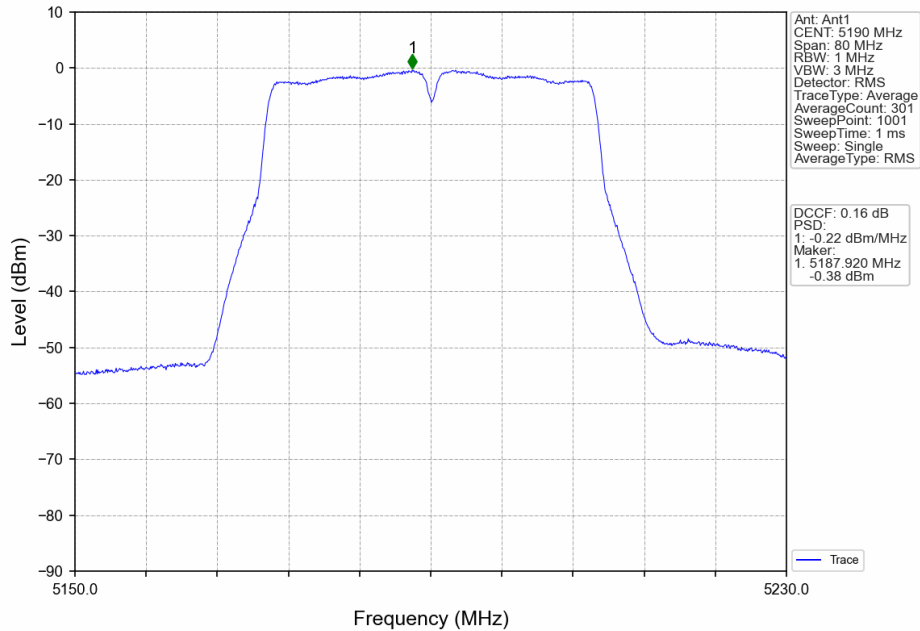
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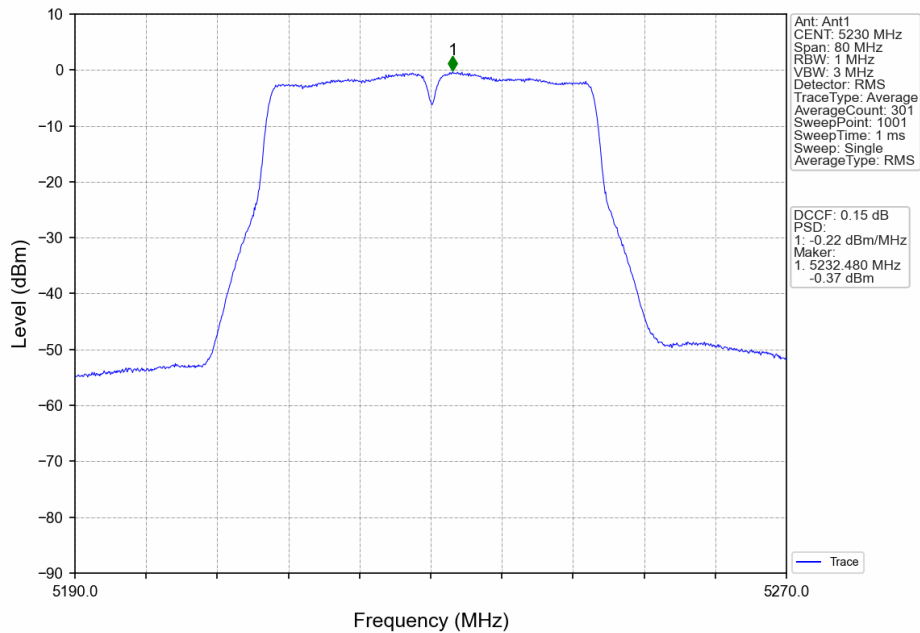
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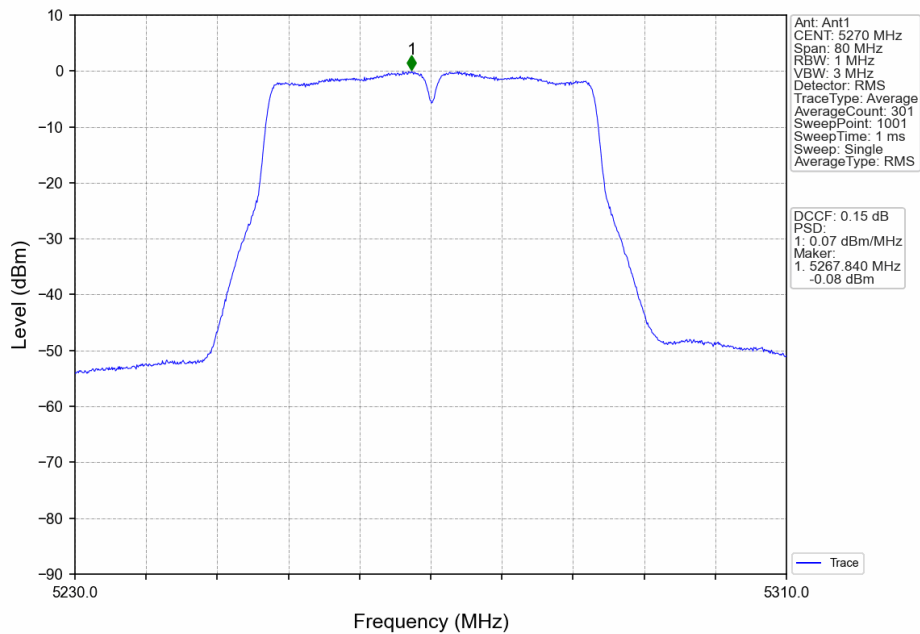
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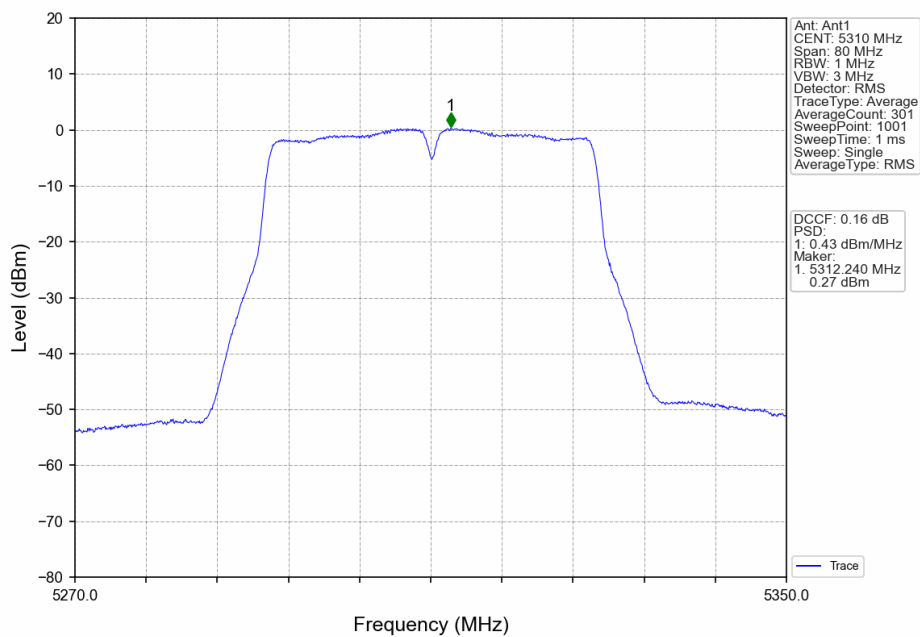
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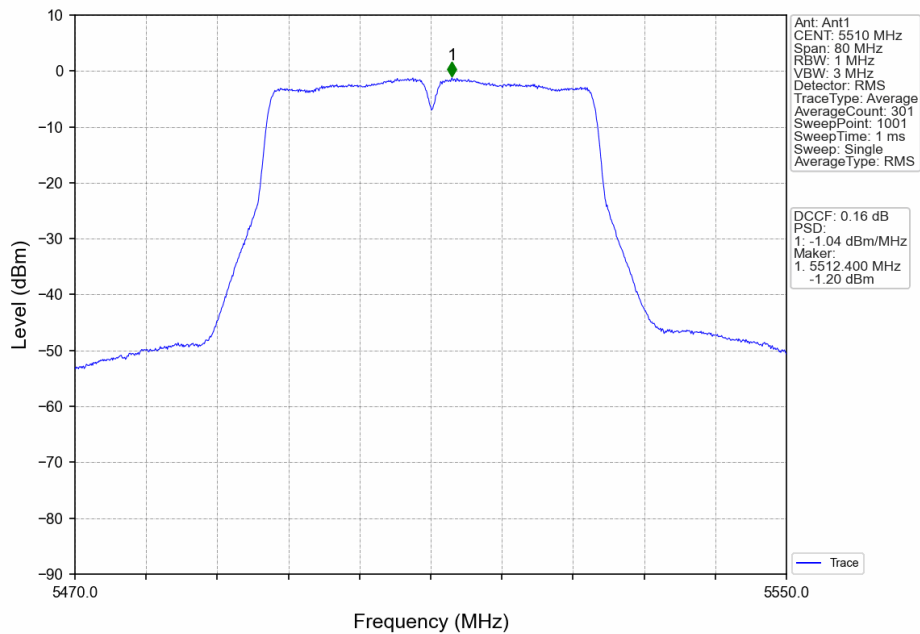
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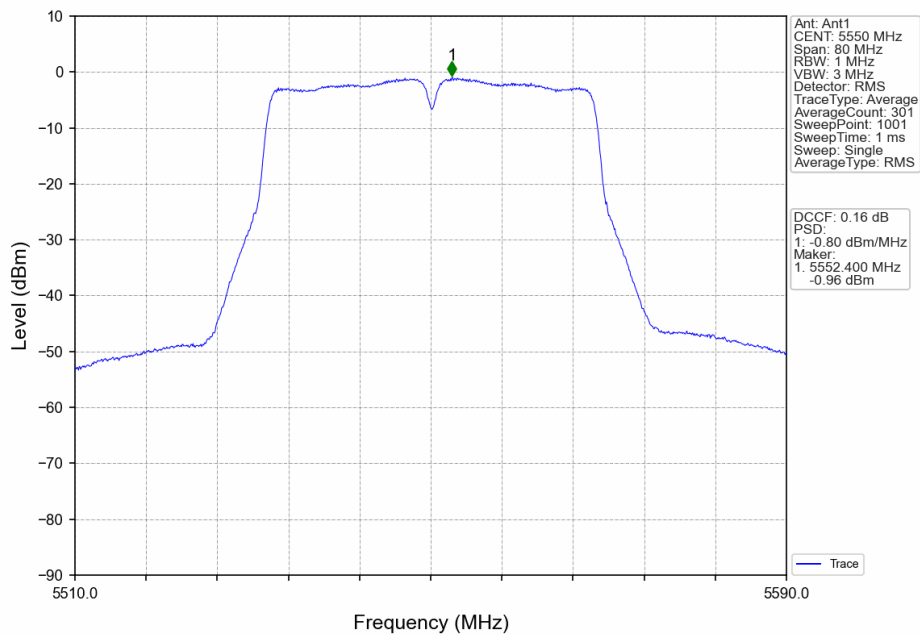
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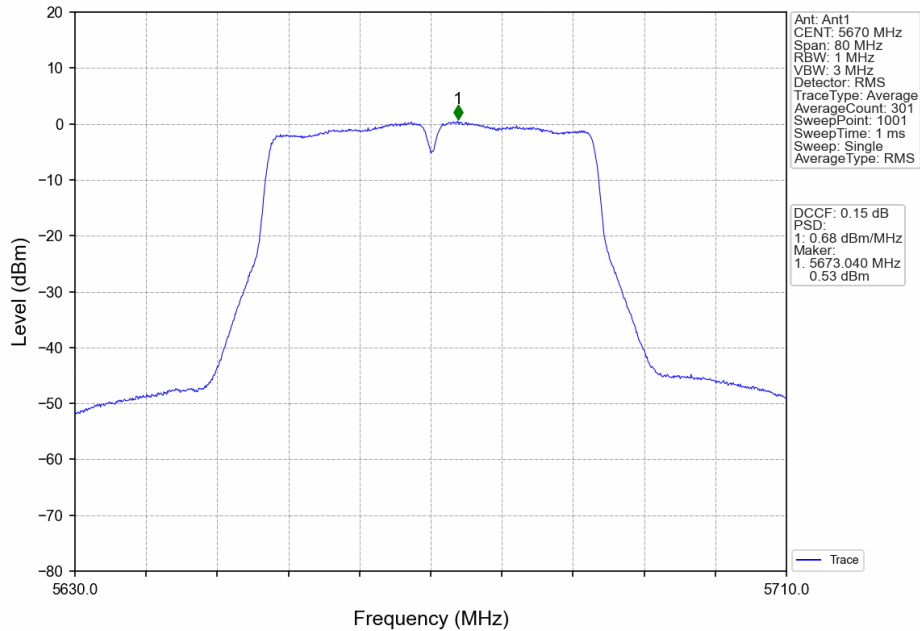
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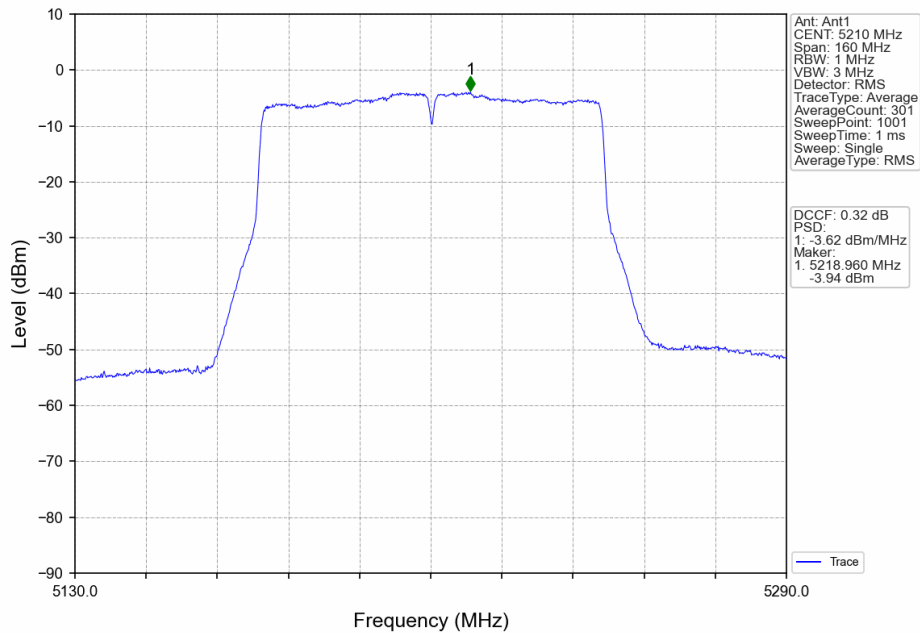
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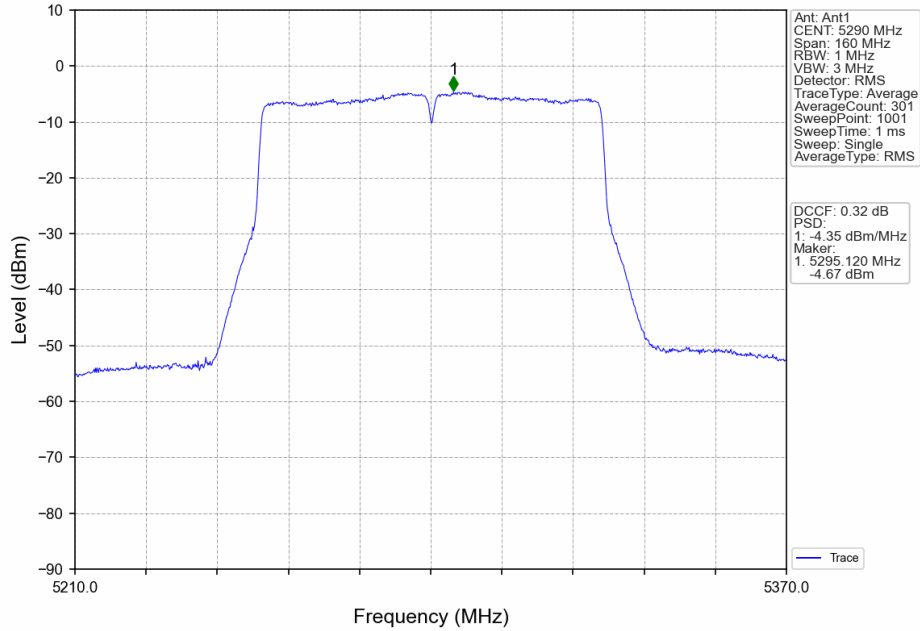
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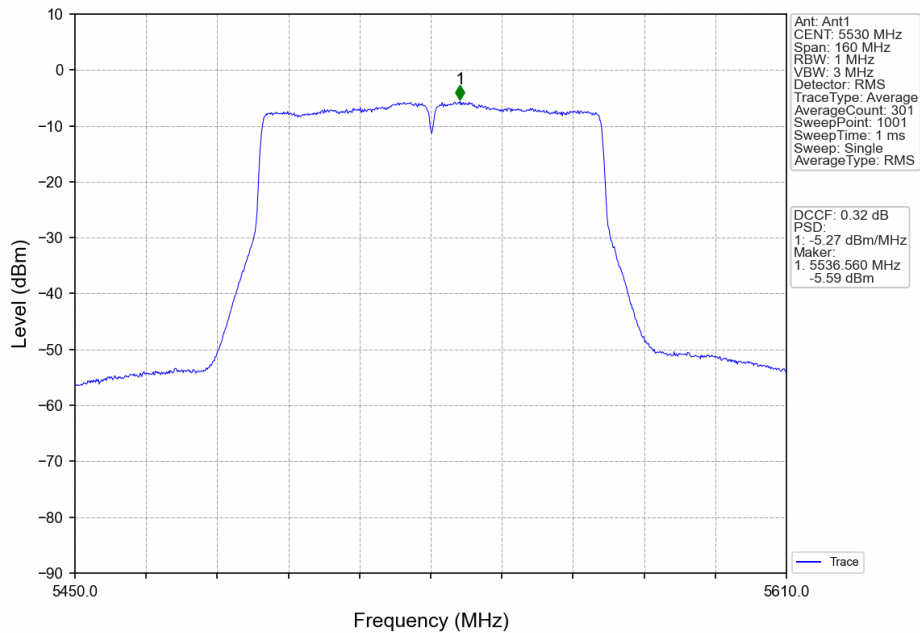
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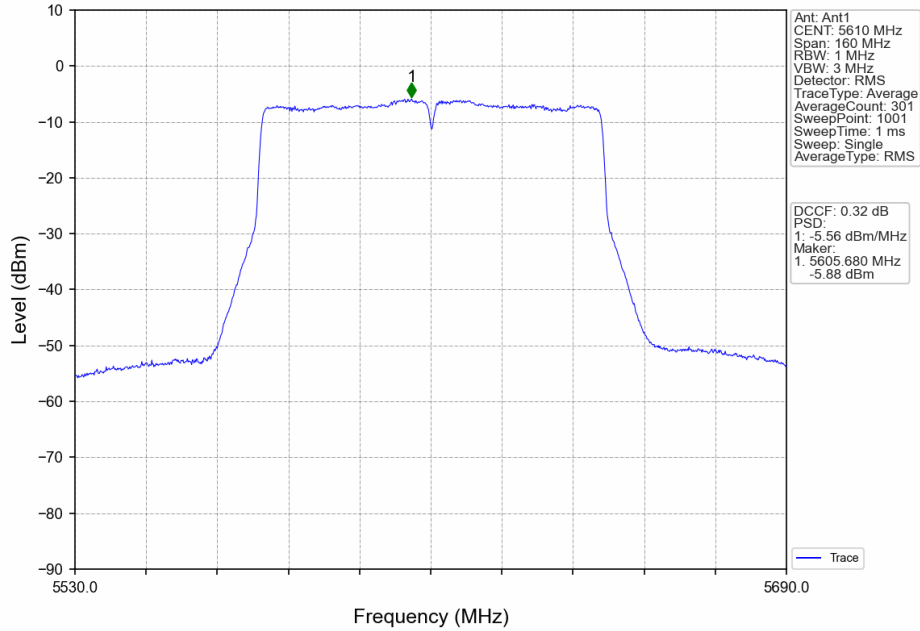
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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

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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	2.29	<=30	Pass
		5785	2.36	<=30	Pass
		5825	2.21	<=30	Pass
802.11n (HT20)	SISO	5745	0.70	<=30	Pass
		5785	0.96	<=30	Pass
		5825	0.45	<=30	Pass
802.11n (HT40)	SISO	5755	-2.32	<=30	Pass
		5795	-2.39	<=30	Pass
802.11ac (VHT20)	SISO	5745	0.72	<=30	Pass
		5785	0.59	<=30	Pass
		5825	0.29	<=30	Pass
802.11ac (VHT40)	SISO	5755	-2.80	<=30	Pass
		5795	-2.91	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.58	<=30	Pass



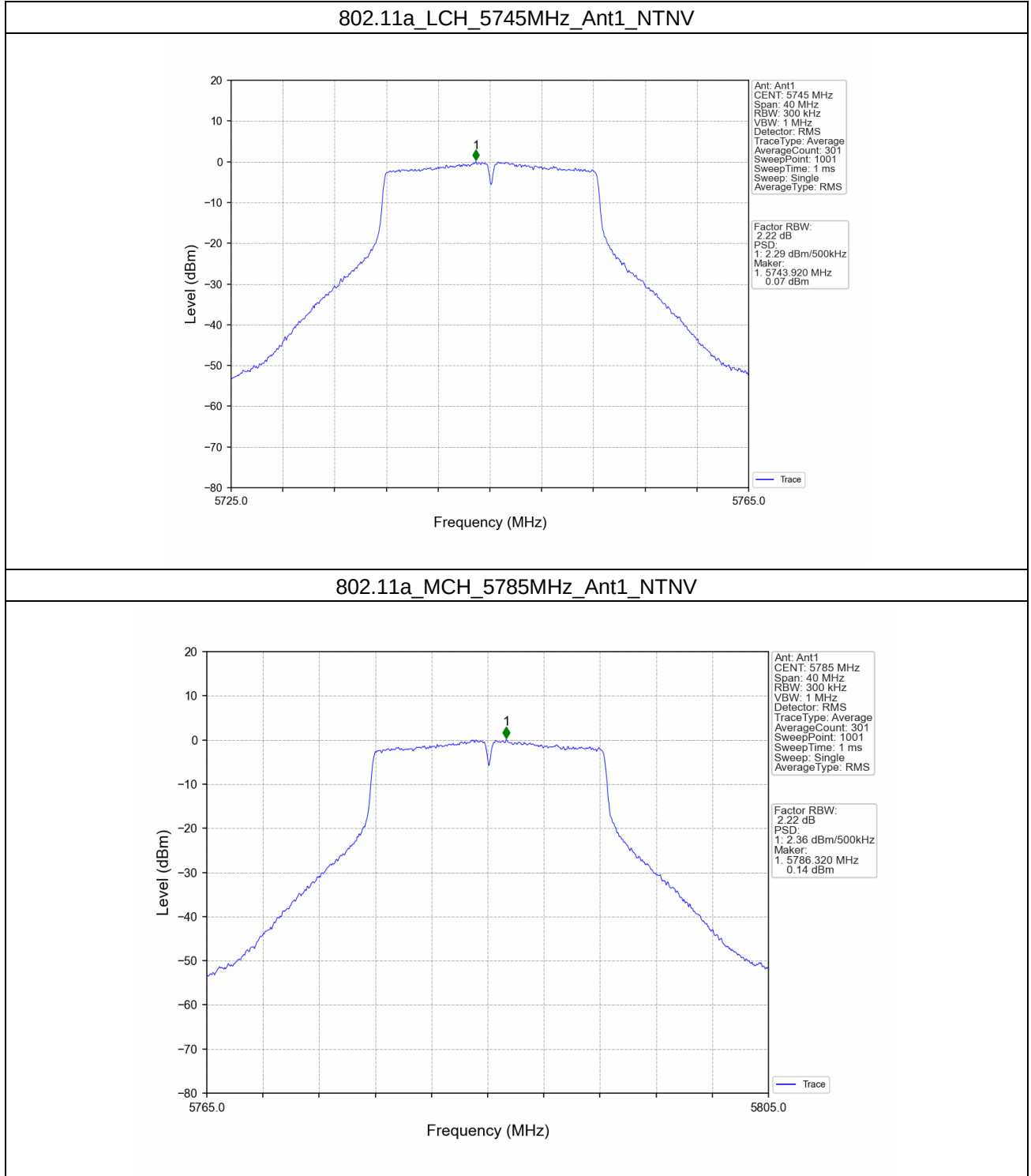
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4.2.2 Test Graph



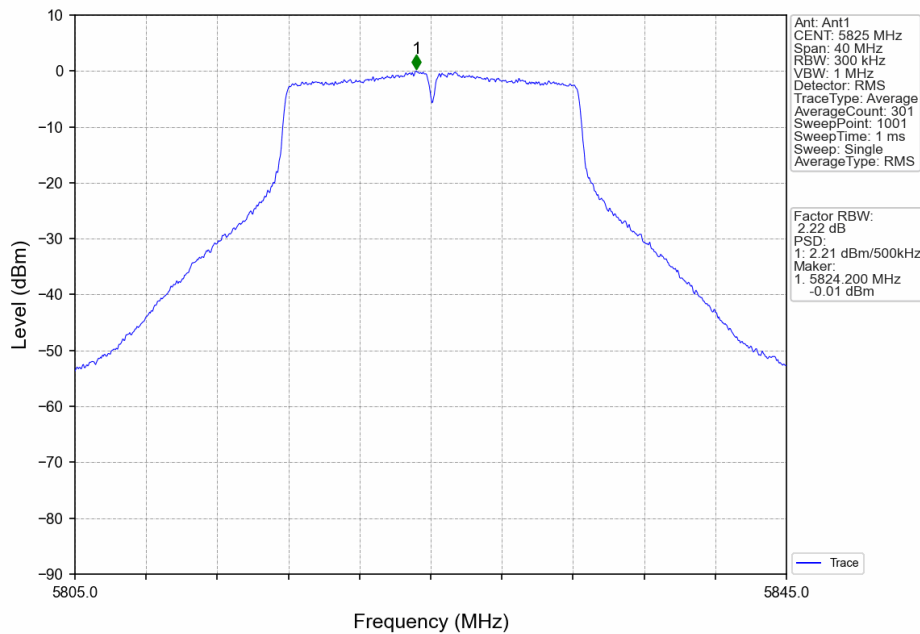
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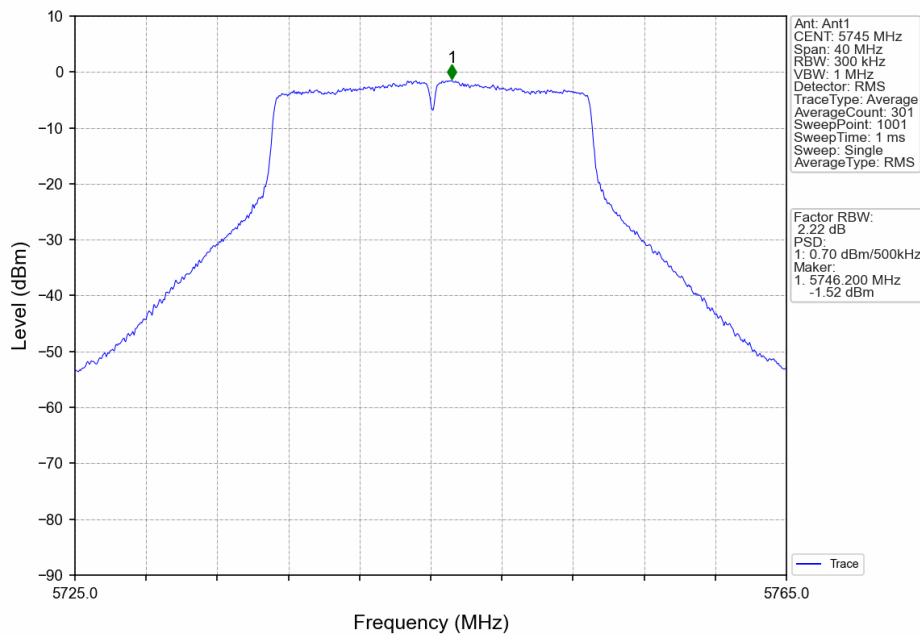
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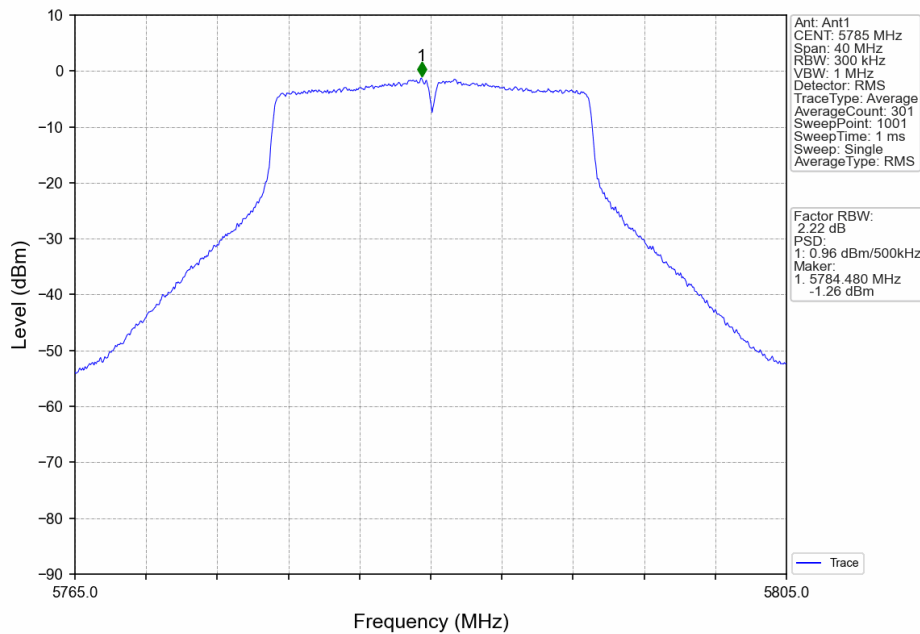
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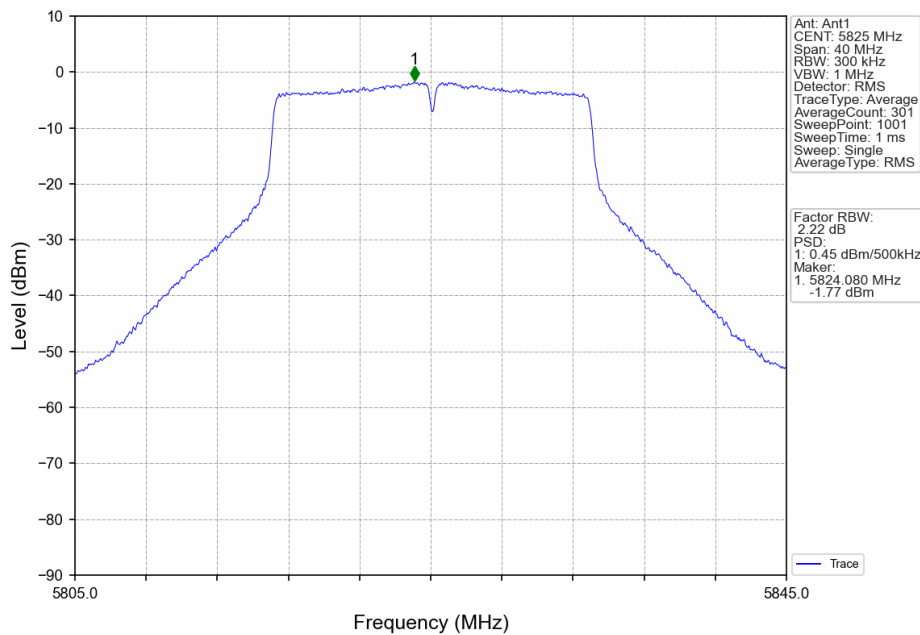
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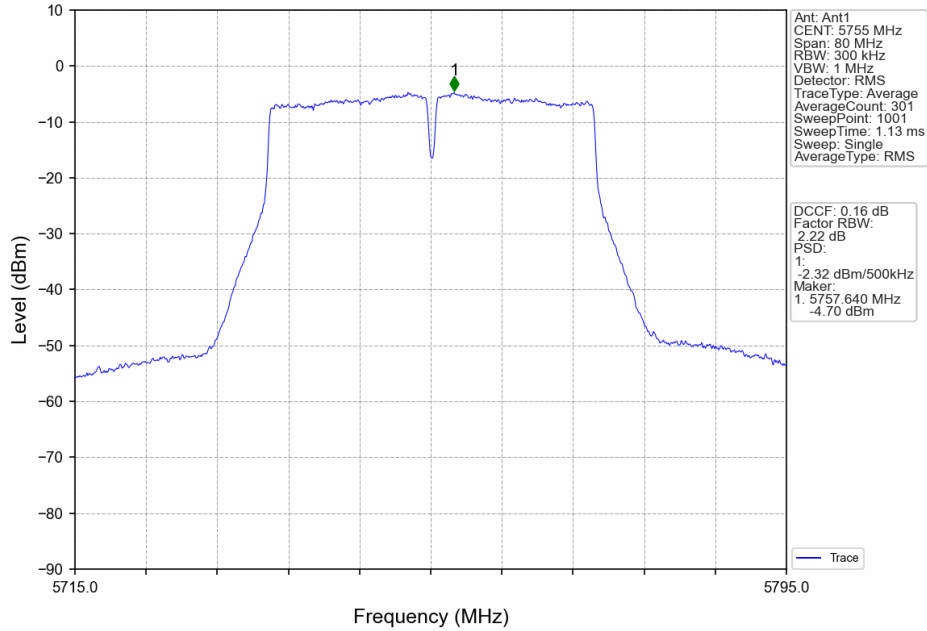
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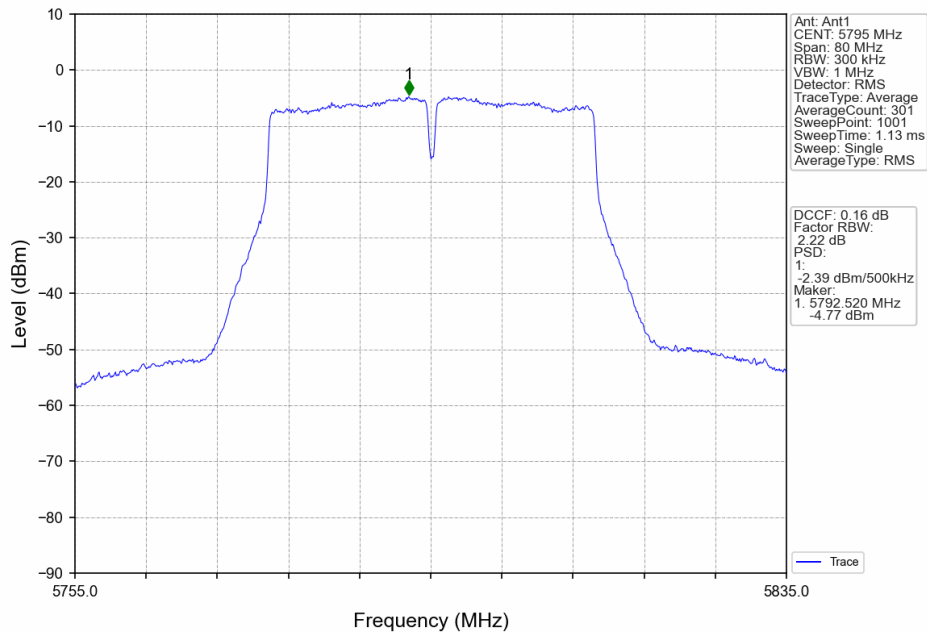
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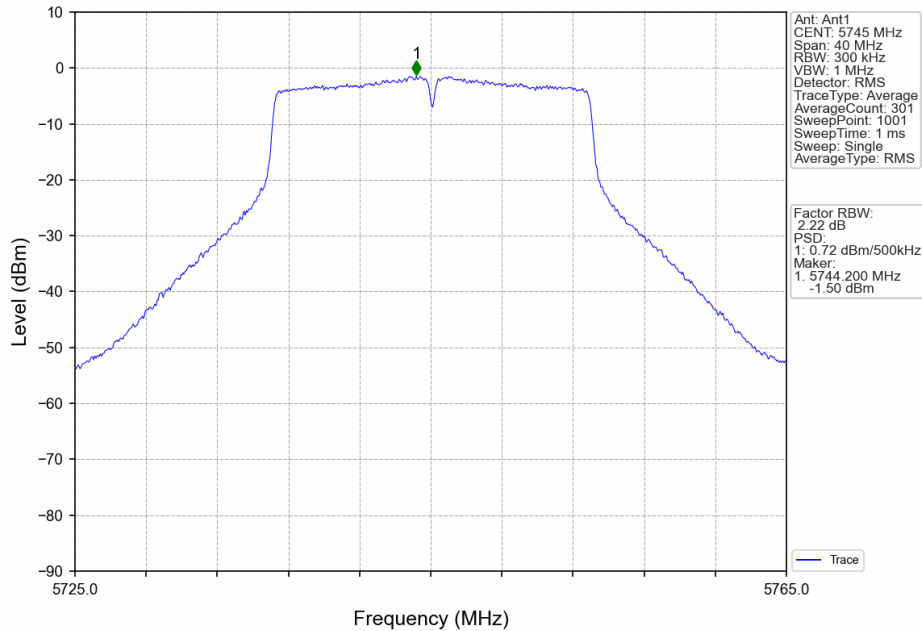
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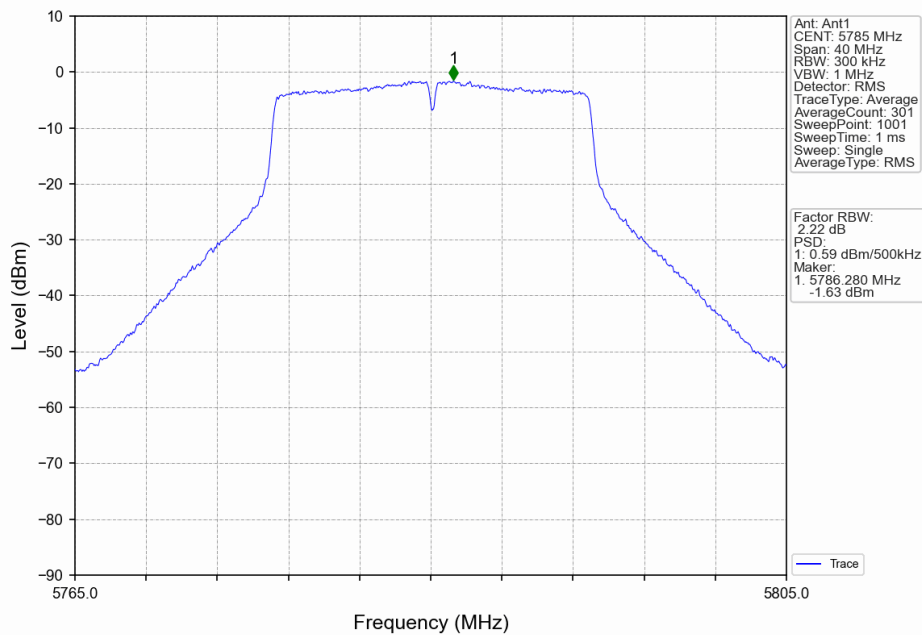
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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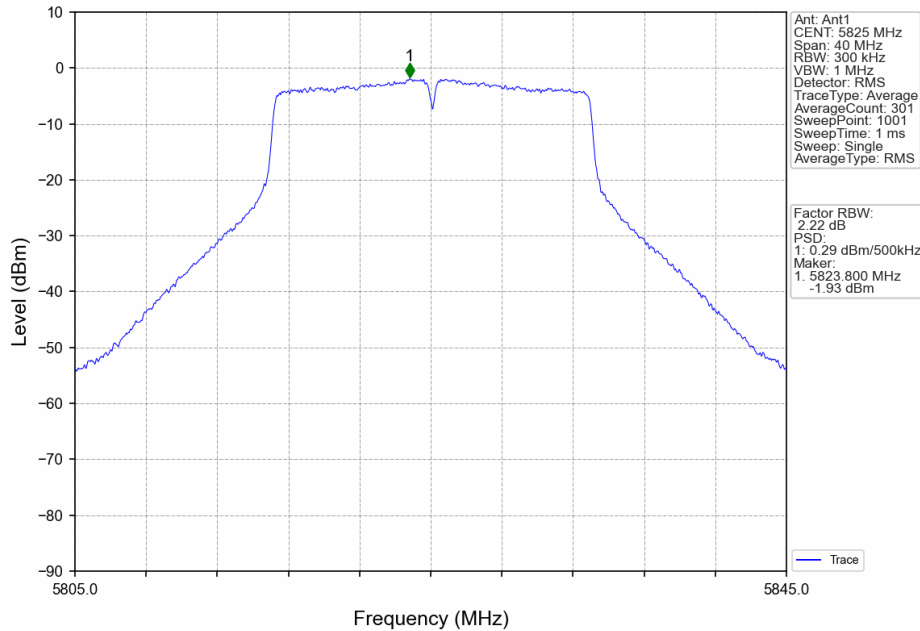
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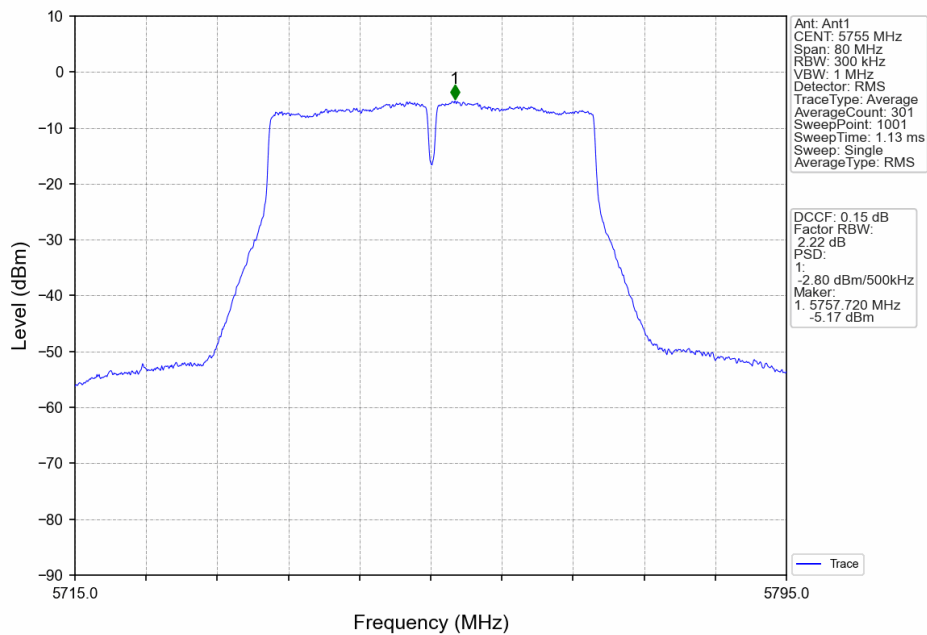
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



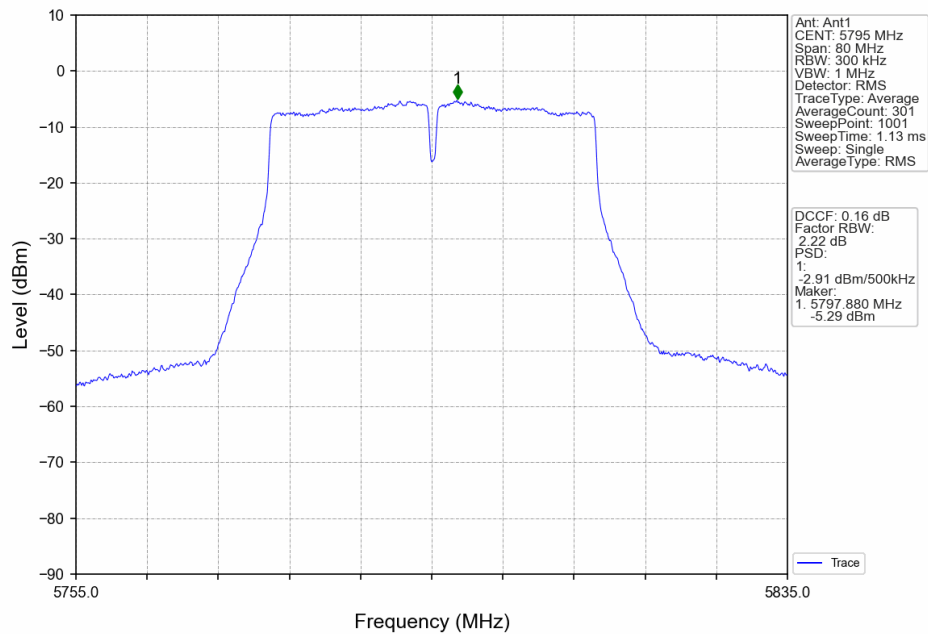
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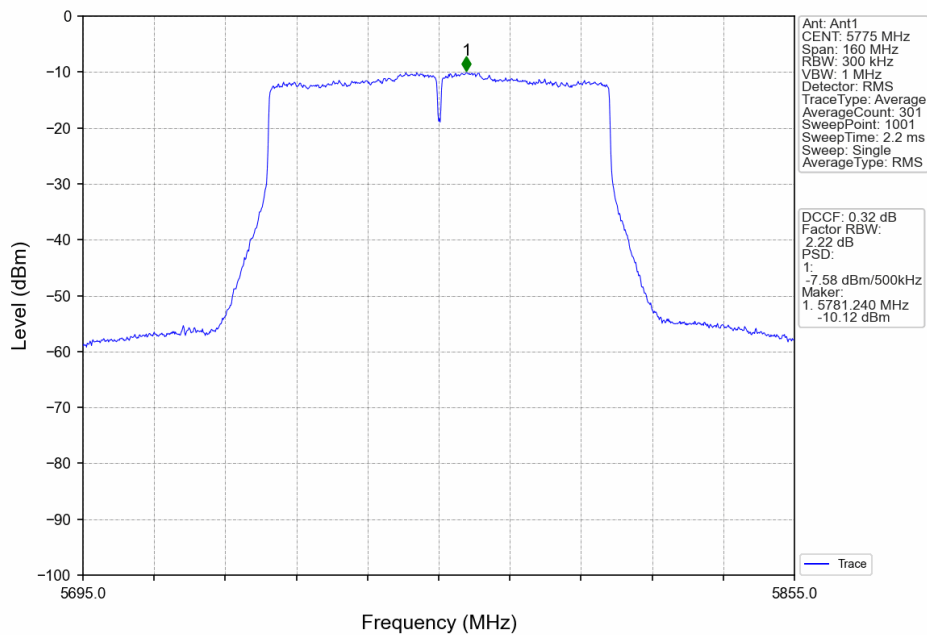
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.060	5150 to 5250	Pass
				120	5180.120	5150 to 5250	Pass
				138	5180.060	5150 to 5250	Pass
			-30	120	5180.100	5150 to 5250	Pass
			-20	120	5180.100	5150 to 5250	Pass
			-10	120	5180.080	5150 to 5250	Pass
			0	120	5180.100	5150 to 5250	Pass
			10	120	5180.120	5150 to 5250	Pass
			30	120	5180.080	5150 to 5250	Pass
			40	120	5180.140	5150 to 5250	Pass
			50	120	5180.100	5150 to 5250	Pass
		5200	20	102	5200.120	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
				138	5200.100	5150 to 5250	Pass
			-30	120	5200.100	5150 to 5250	Pass
			-20	120	5200.100	5150 to 5250	Pass
			-10	120	5200.120	5150 to 5250	Pass
			0	120	5200.100	5150 to 5250	Pass
			10	120	5200.140	5150 to 5250	Pass
			30	120	5200.120	5150 to 5250	Pass
			40	120	5200.080	5150 to 5250	Pass
			50	120	5200.120	5150 to 5250	Pass
		5240	20	102	5240.160	5150 to 5250	Pass
				120	5240.120	5150 to 5250	Pass
				138	5240.080	5150 to 5250	Pass
			-30	120	5240.140	5150 to 5250	Pass
			-20	120	5240.160	5150 to 5250	Pass
			-10	120	5240.080	5150 to 5250	Pass
			0	120	5240.040	5150 to 5250	Pass
			10	120	5240.080	5150 to 5250	Pass



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			30	120	5240.100	5150 to 5250	Pass
			40	120	5240.100	5150 to 5250	Pass
			50	120	5240.140	5150 to 5250	Pass
		5260	20	102	5260.140	5250 to 5350	Pass
				120	5260.120	5250 to 5350	Pass
				138	5260.060	5250 to 5350	Pass
			-30	120	5260.120	5250 to 5350	Pass
			-20	120	5260.160	5250 to 5350	Pass
			-10	120	5260.080	5250 to 5350	Pass
			0	120	5260.080	5250 to 5350	Pass
			10	120	5260.000	5250 to 5350	Pass
			30	120	5260.100	5250 to 5350	Pass
			40	120	5260.160	5250 to 5350	Pass
			50	120	5260.080	5250 to 5350	Pass
		5300	20	102	5300.080	5250 to 5350	Pass
				120	5300.100	5250 to 5350	Pass
				138	5300.080	5250 to 5350	Pass
			-30	120	5300.100	5250 to 5350	Pass
			-20	120	5300.120	5250 to 5350	Pass
			-10	120	5300.080	5250 to 5350	Pass
			0	120	5300.080	5250 to 5350	Pass
			10	120	5300.080	5250 to 5350	Pass
			30	120	5300.120	5250 to 5350	Pass
			40	120	5300.120	5250 to 5350	Pass
			50	120	5300.060	5250 to 5350	Pass
		5320	20	102	5320.120	5250 to 5350	Pass
				120	5320.080	5250 to 5350	Pass
				138	5320.100	5250 to 5350	Pass
			-30	120	5320.140	5250 to 5350	Pass
			-20	120	5320.100	5250 to 5350	Pass
			-10	120	5320.080	5250 to 5350	Pass
			0	120	5320.060	5250 to 5350	Pass
			10	120	5320.060	5250 to 5350	Pass
			30	120	5320.140	5250 to 5350	Pass
			40	120	5320.100	5250 to 5350	Pass
			50	120	5320.040	5250 to 5350	Pass
		5500	20	102	5500.040	5470 to 5725	Pass
				120	5500.120	5470 to 5725	Pass
				138	5500.100	5470 to 5725	Pass
			-30	120	5500.040	5470 to 5725	Pass



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