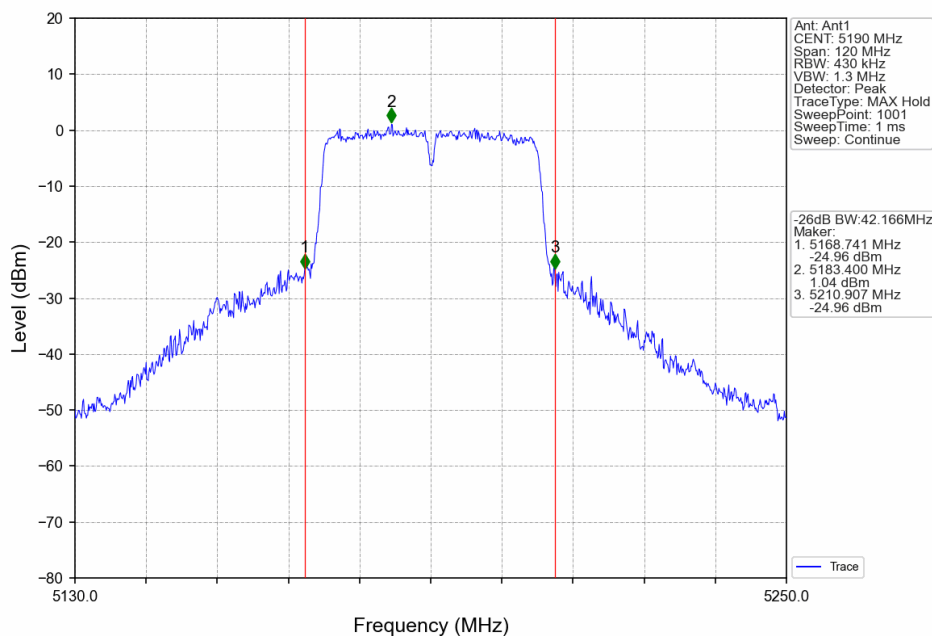
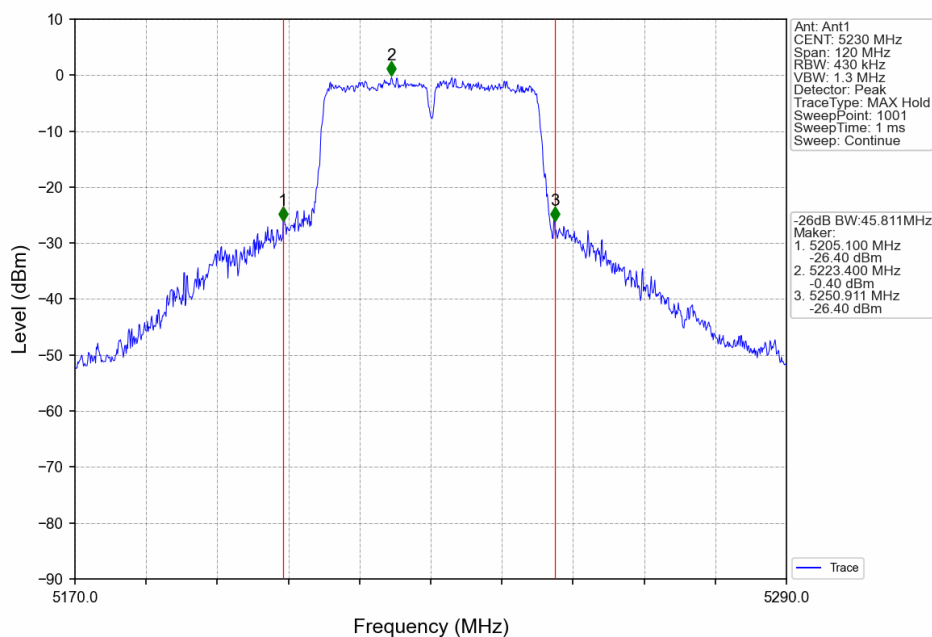


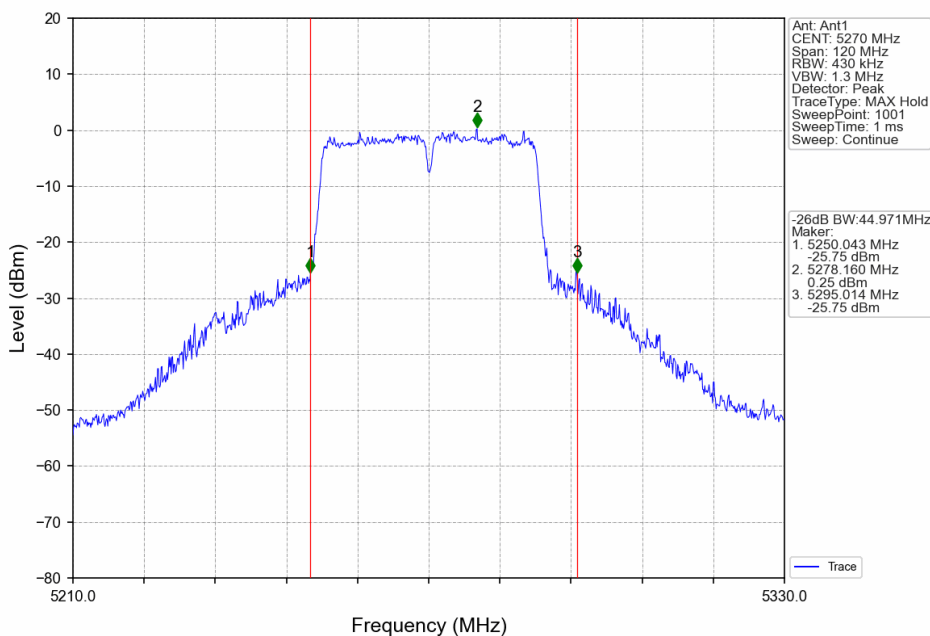
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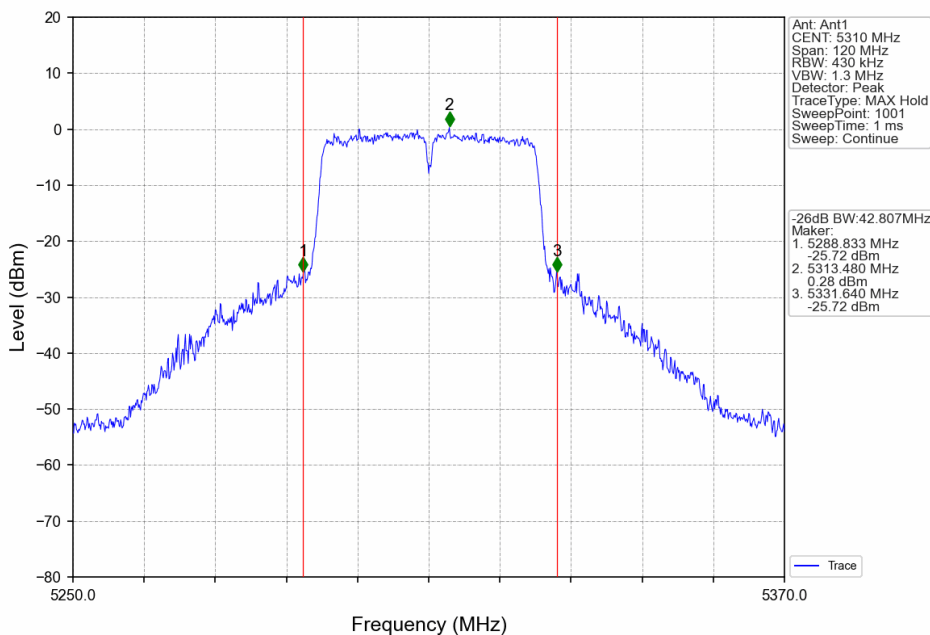
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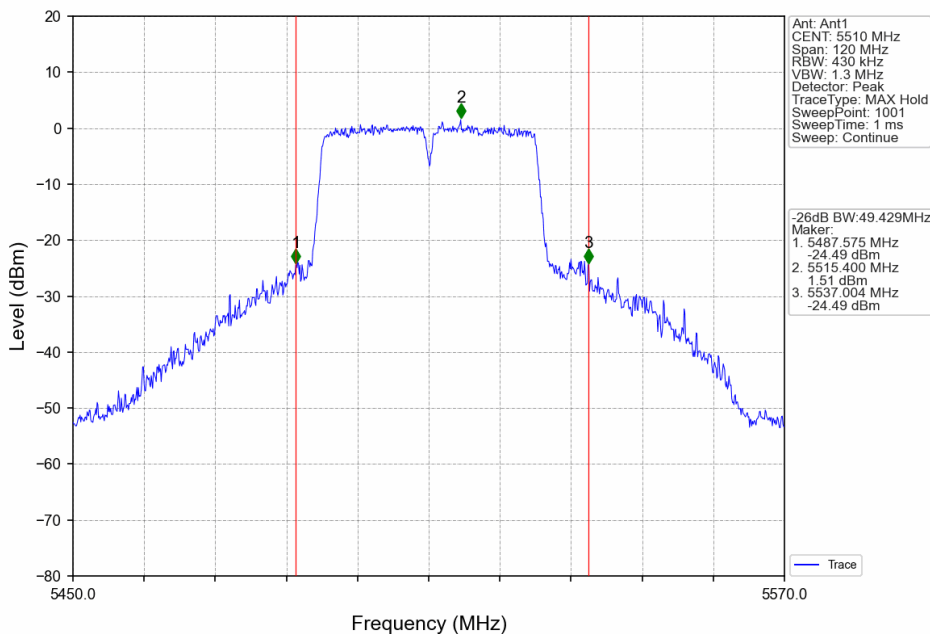
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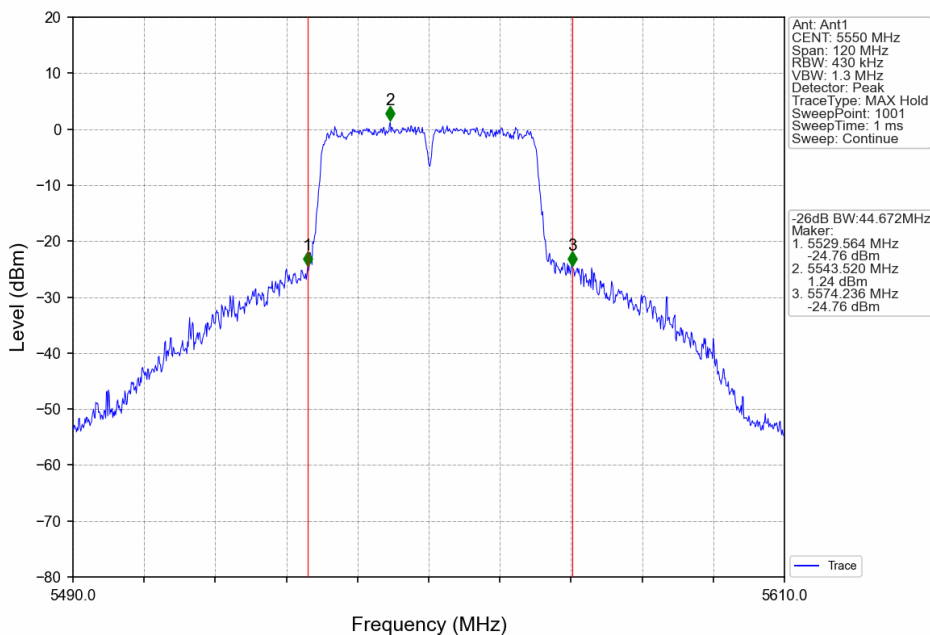
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



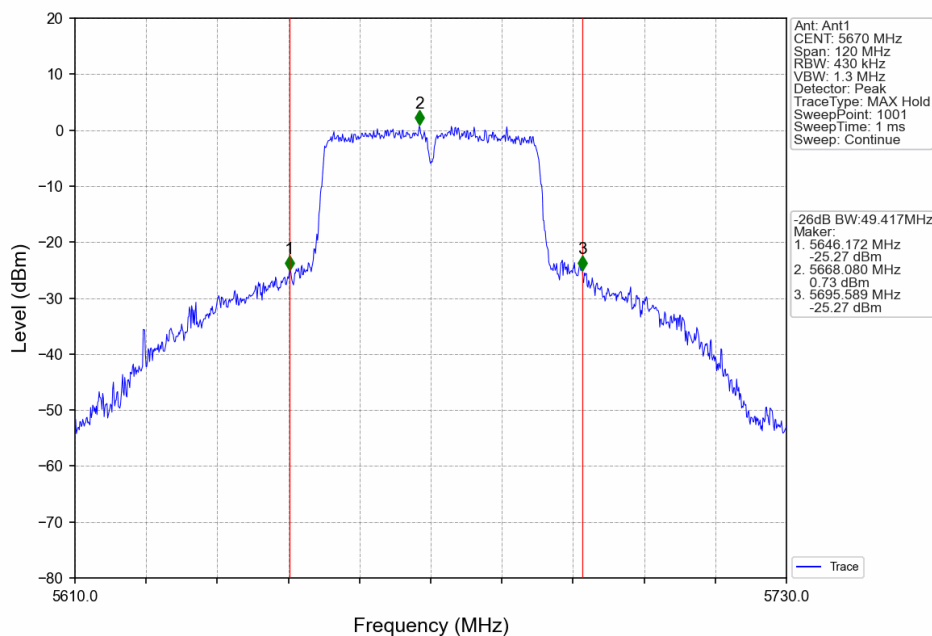
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



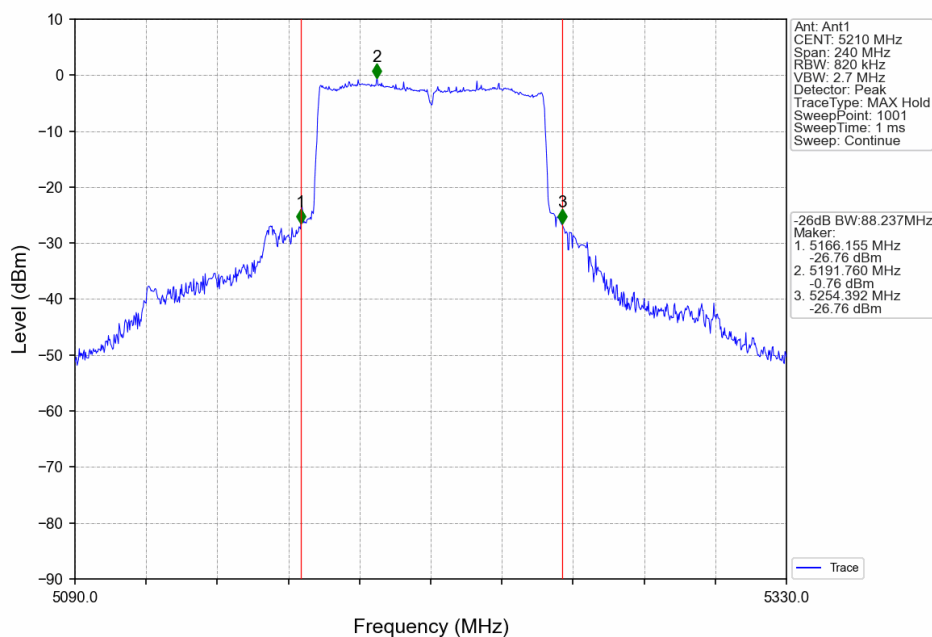
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



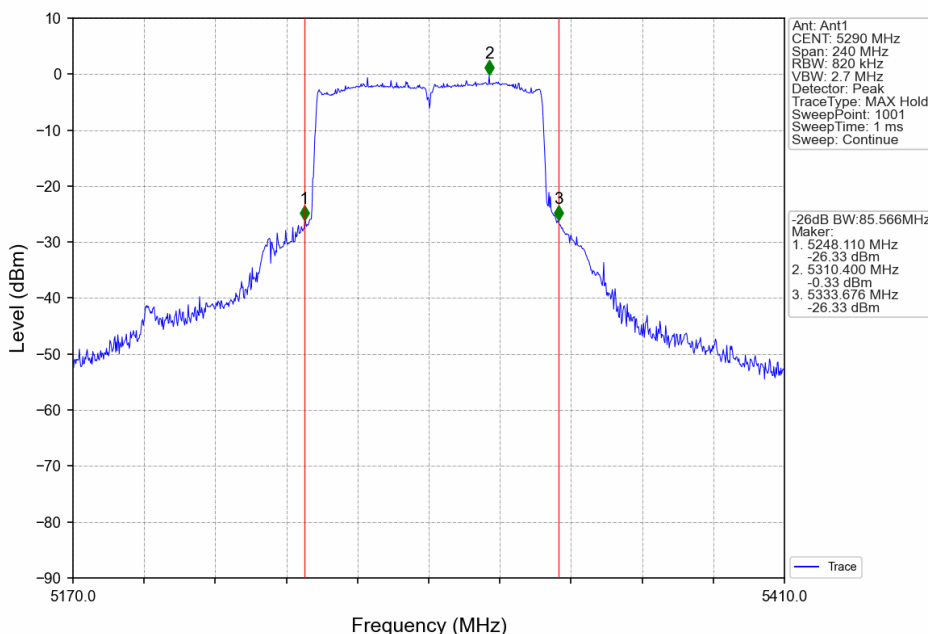
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



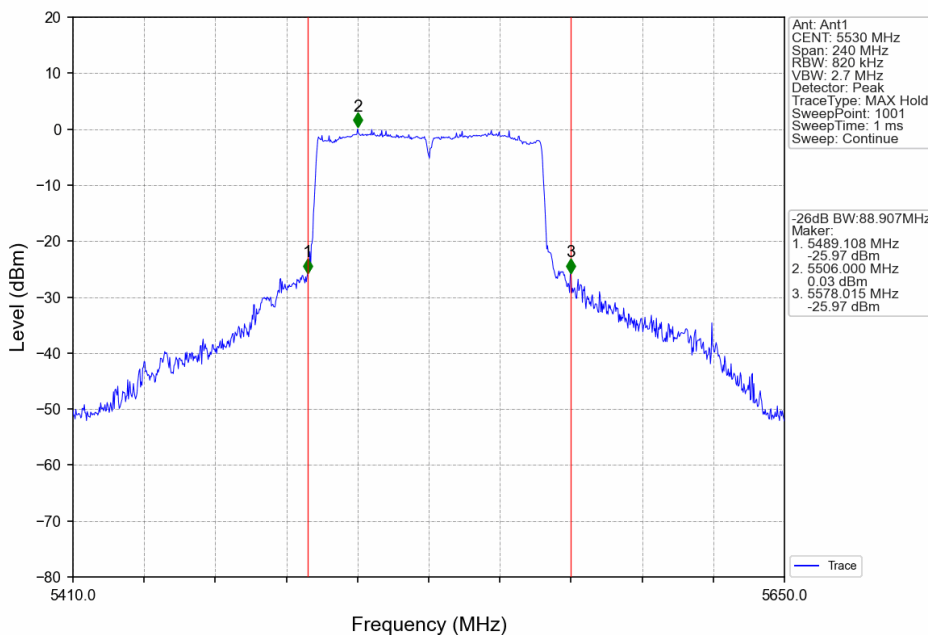
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



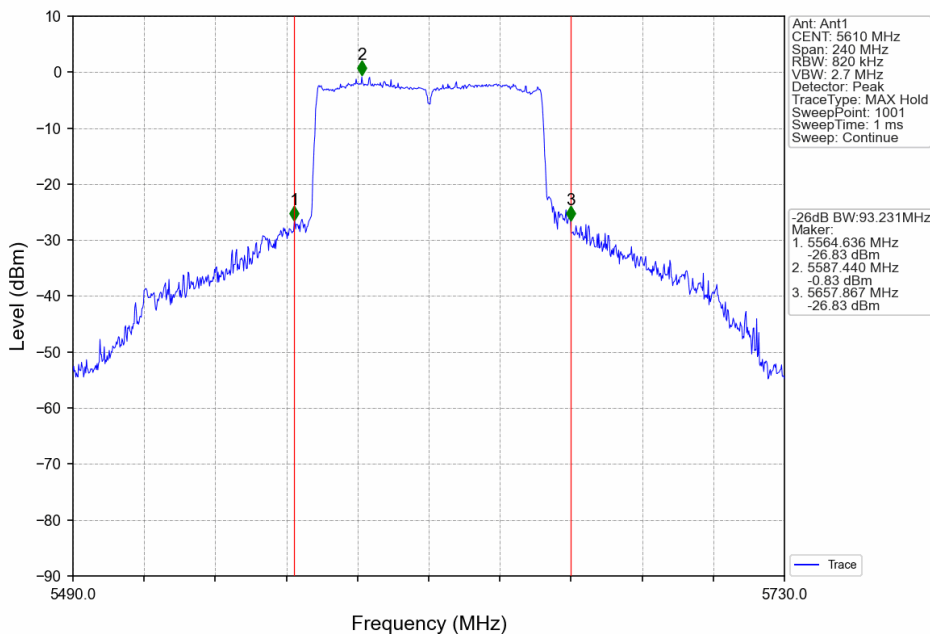
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



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	14.65	15.31	/	<=23.98	Pass
		5200	14.46	15.16	/	<=23.98	Pass
		5240	13.95	14.75	/	<=23.98	Pass
		5260	14.27	14.93	/	<=23.98	Pass
		5300	14.53	14.98	/	<=23.98	Pass
		5320	14.06	14.78	/	<=23.98	Pass
		5500	14.83	15.14	/	<=23.98	Pass
		5580	13.57	14.56	/	<=23.98	Pass
		5700	12.98	13.46	/	<=23.98	Pass
		5745	12.11	13.80	/	<=30	Pass
		5785	11.57	13.82	/	<=30	Pass
		5825	10.35	13.52	/	<=30	Pass
802.11n (HT20)	MIMO	5180	9.99	11.01	13.54	<=22.01	Pass
		5200	9.76	11.01	13.44	<=22.01	Pass
		5240	9.28	10.62	13.01	<=22.01	Pass
		5260	9.42	10.65	13.09	<=21.9	Pass
		5300	9.71	10.91	13.36	<=21.92	Pass
		5320	9.38	10.74	13.12	<=1.92	Pass
		5500	10.77	11.38	14.10	<=21.93	Pass
		5580	9.97	10.74	13.38	<=21.91	Pass
		5700	9.89	9.50	12.71	<=21.89	Pass
		5745	8.67	9.78	12.27	<=28.03	Pass
		5785	7.93	9.83	11.99	<=28.03	Pass
		5825	6.84	9.48	11.37	<=28.03	Pass
802.11n (HT40)	MIMO	5190	10.47	11.41	13.98	<=22.01	Pass
		5230	9.62	10.83	13.28	<=22.01	Pass
		5270	9.79	10.97	13.43	<=22.01	Pass
		5310	9.89	11.16	13.58	<=22.01	Pass
		5510	11.18	11.68	14.45	<=22.01	Pass
		5550	11.04	11.28	14.17	<=22.01	Pass
		5670	10.70	10.04	13.39	<=22.01	Pass



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SZEMC-TRF-01 Rev. A/1

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		5755	8.82	10.14	12.54	<=28.03	Pass
		5795	7.94	10.08	12.15	<=28.03	Pass
802.11ac (VHT80)	MIMO	5210	9.31	10.64	13.04	<=22.01	Pass
		5290	9.43	10.85	13.21	<=22.01	Pass
		5530	10.52	11.64	14.13	<=22.01	Pass
		5610	9.21	10.86	13.12	<=22.01	Pass
		5775	7.03	10.40	12.04	<=28.03	Pass

Note1: Antenna Gain: Ant1: 5.50dBi; Ant 2: 4.38dBi;

Note2: MIMO limit=SISO limit- Directional gain+6dBi
Directional Gain: 7.97dBi



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4. Maximum Power Spectral Density

4.1 PSD

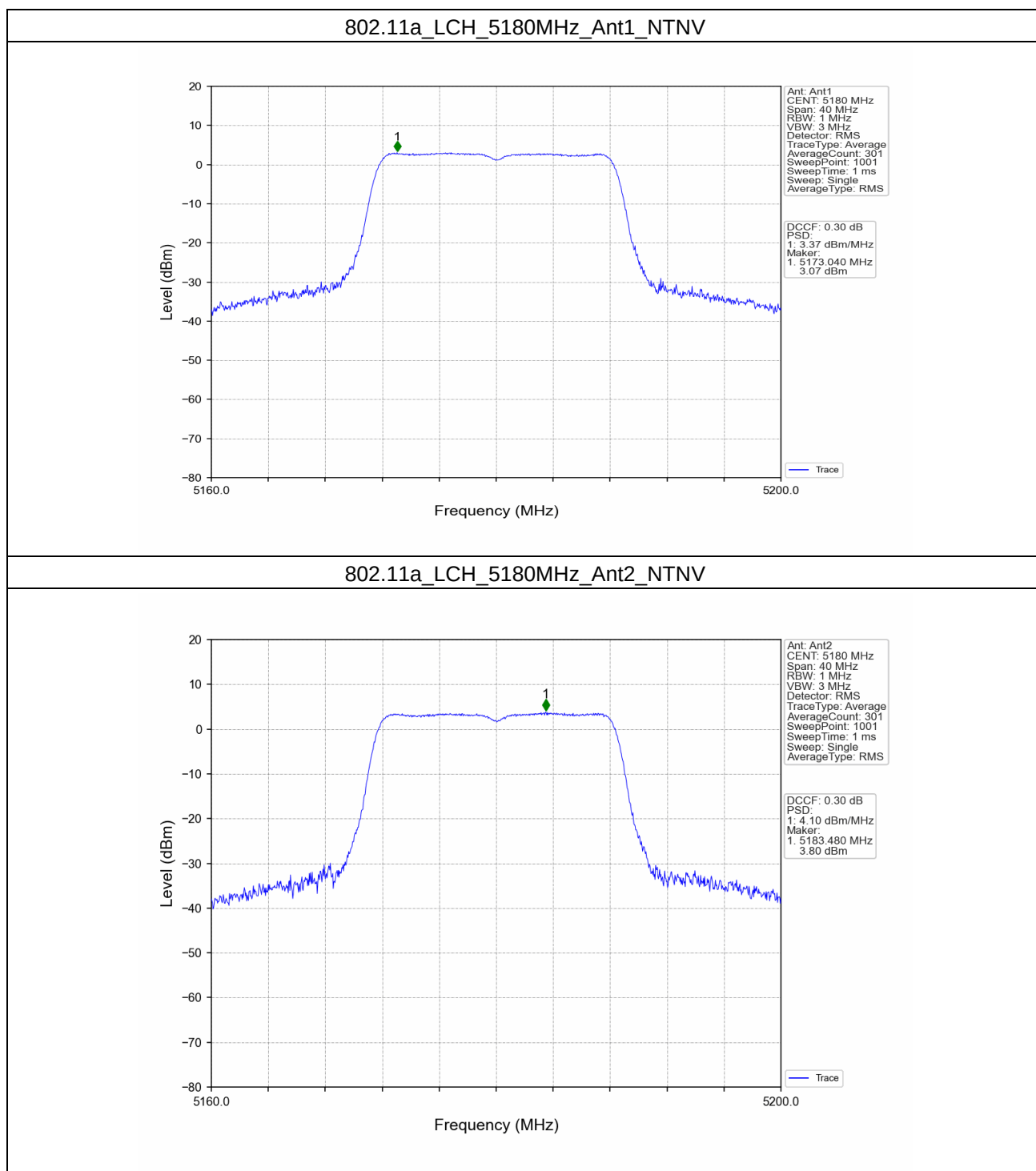
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	3.37	4.10	/	<=11	Pass
		5200	3.01	3.61	/	<=11	Pass
		5240	2.60	3.42	/	<=11	Pass
		5260	3.03	3.68	/	<=11	Pass
		5300	3.30	3.73	/	<=11	Pass
		5320	3.09	3.49	/	<=11	Pass
		5500	3.36	3.83	/	<=11	Pass
		5580	2.44	3.22	/	<=11	Pass
802.11n (HT20)	MIMO	5700	1.62	2.17	/	<=11	Pass
		5180	-1.60	-0.52	1.89	<=9.03	Pass
		5200	-1.70	-0.47	1.89	<=9.03	Pass
		5240	-2.29	-1.01	1.31	<=9.03	Pass
		5260	-2.11	-0.80	1.51	<=9.03	Pass
		5300	-1.70	-0.63	1.75	<=9.03	Pass
		5320	-2.30	-0.97	1.39	<=9.03	Pass
		5500	-0.68	0.01	2.54	<=9.03	Pass
802.11n (HT40)	MIMO	5580	-1.34	-0.78	1.85	<=9.03	Pass
		5700	-1.71	-2.14	1.05	<=9.03	Pass
		5190	-3.85	-2.93	-0.41	<=9.03	Pass
		5230	-4.62	-3.36	-1.03	<=9.03	Pass
		5270	-4.80	-3.56	-1.17	<=9.03	Pass
		5310	-4.52	-3.12	-0.83	<=9.03	Pass
		5510	-3.39	-2.85	-0.17	<=9.03	Pass
802.11ac (VHT80)	MIMO	5550	-3.37	-2.98	-0.28	<=9.03	Pass
		5670	-3.88	-4.52	-1.20	<=9.03	Pass
		5210	-7.93	-6.50	-4.25	<=9.03	Pass
		5290	-8.02	-6.42	-4.26	<=9.03	Pass
		5530	-7.03	-5.90	-3.52	<=9.03	Pass
		5610	-8.24	-6.34	-4.41	<=9.03	Pass

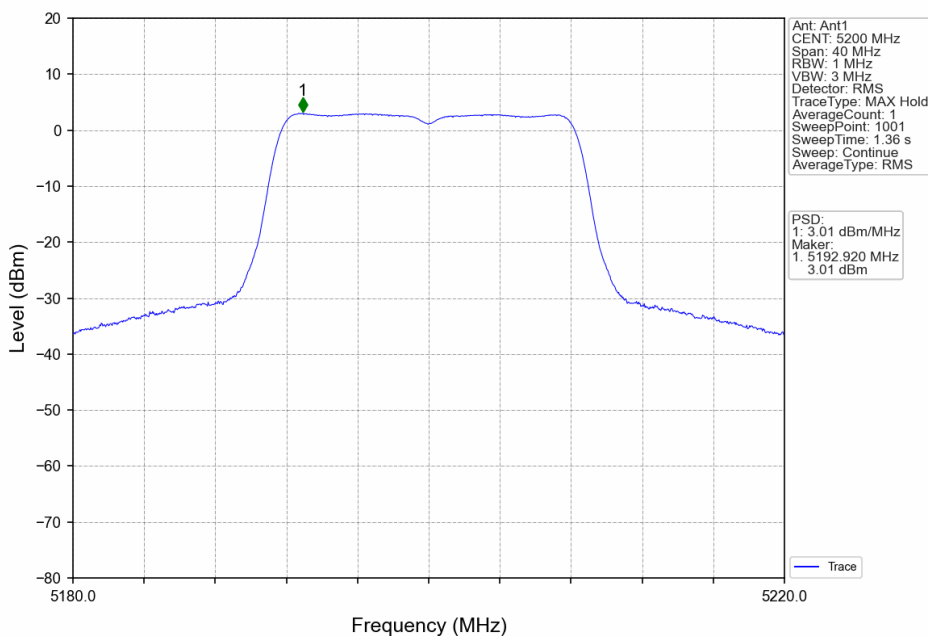
Note1: Antenna Gain: Ant1: 5.50dBi; Ant 2: 4.38dBi;
Note2: MIMO limit=SISO limit- Directional gain+6dBi
Directional Gain: 7.97dBi



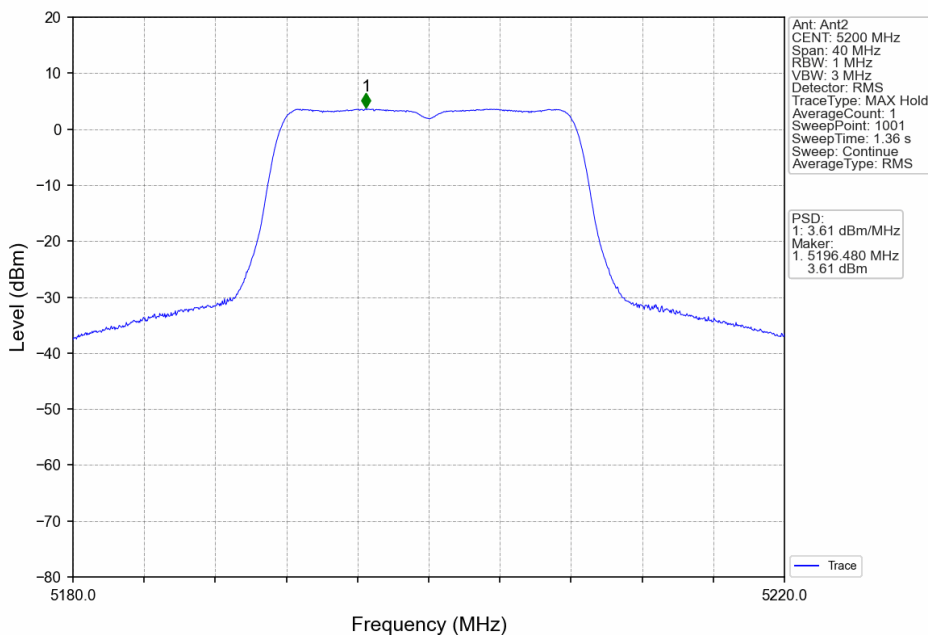
4.1.2 Test Graph



802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



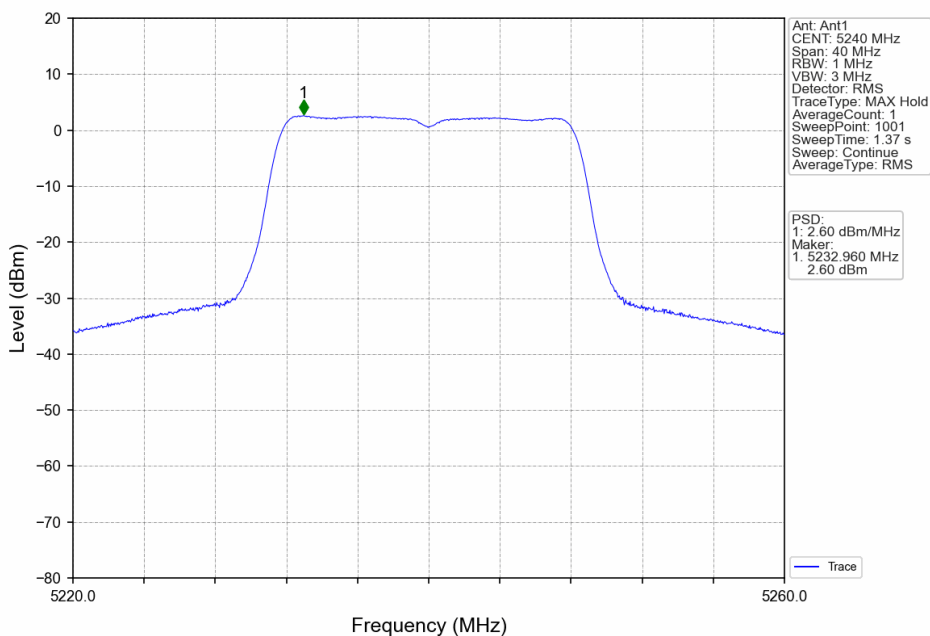
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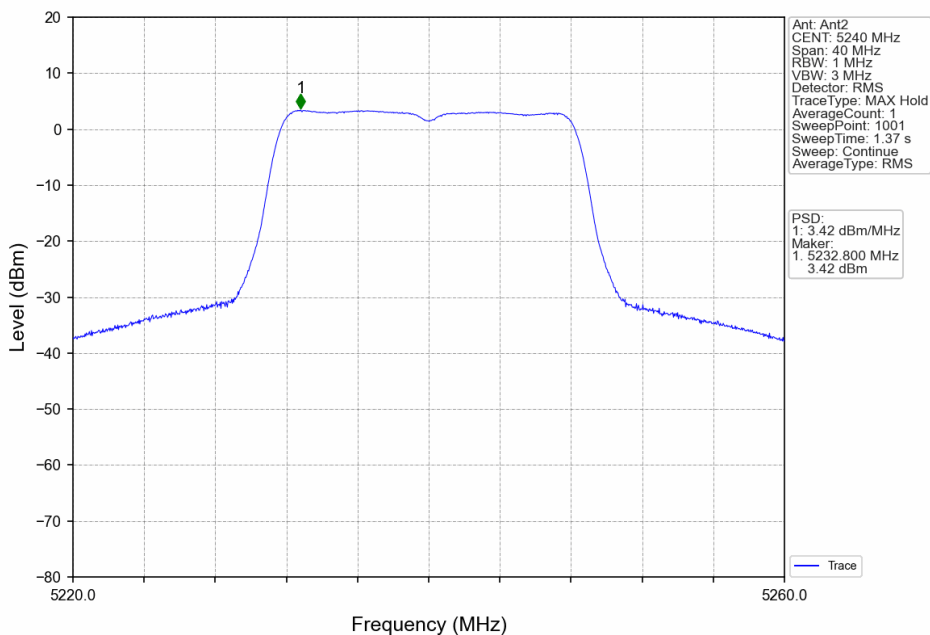
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802.11a_HCH_5240MHz_Ant1_NTNV



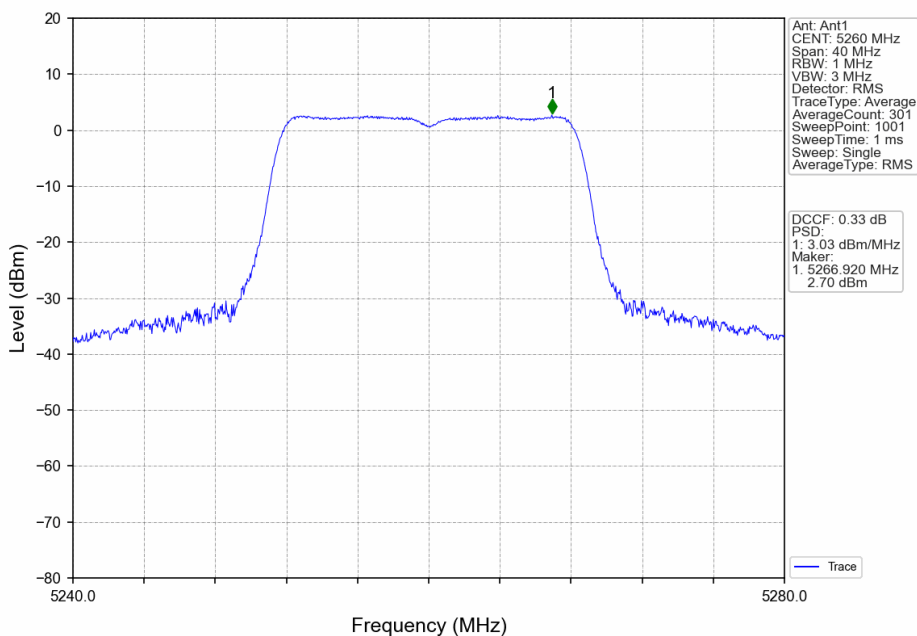
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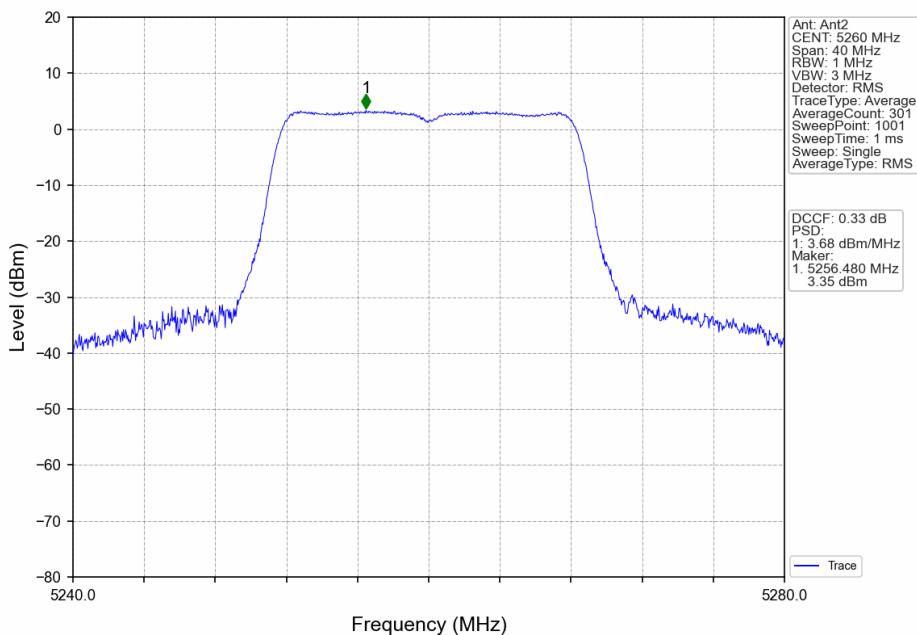
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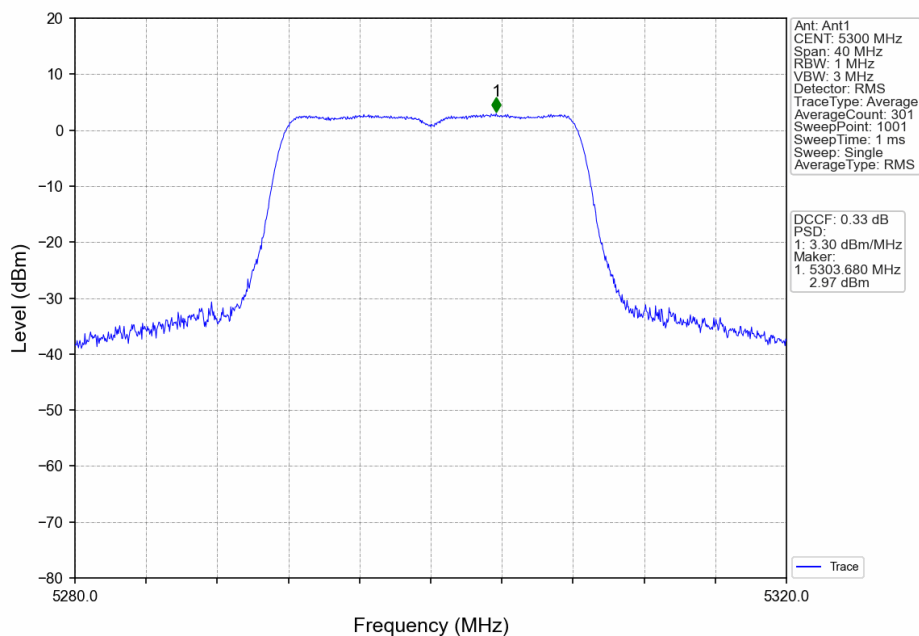
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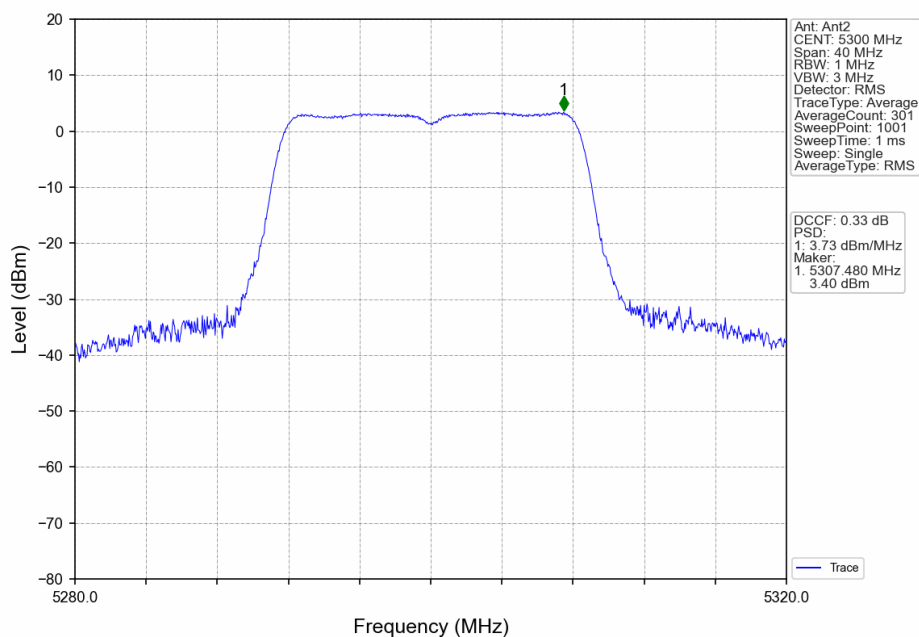
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant2_NTNV



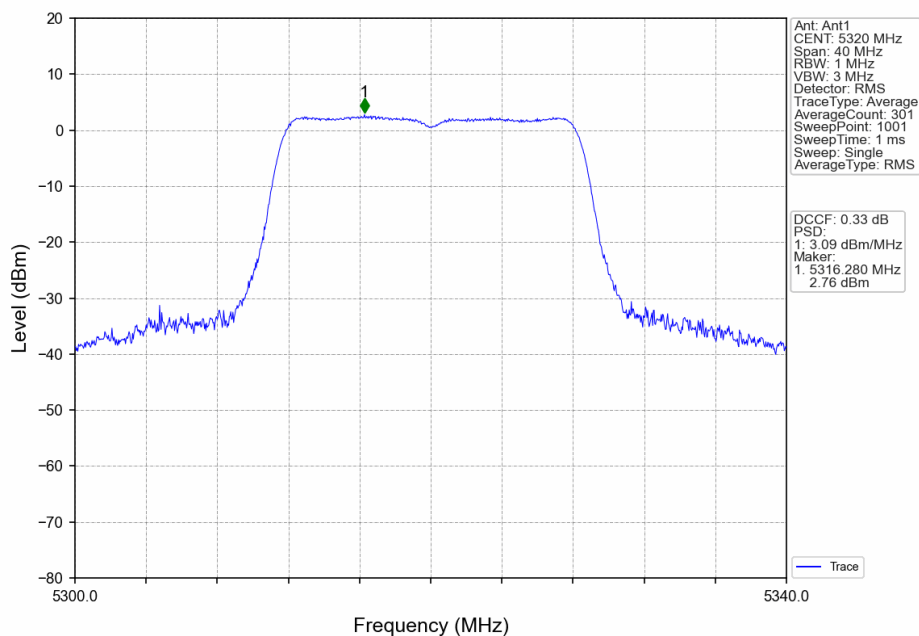
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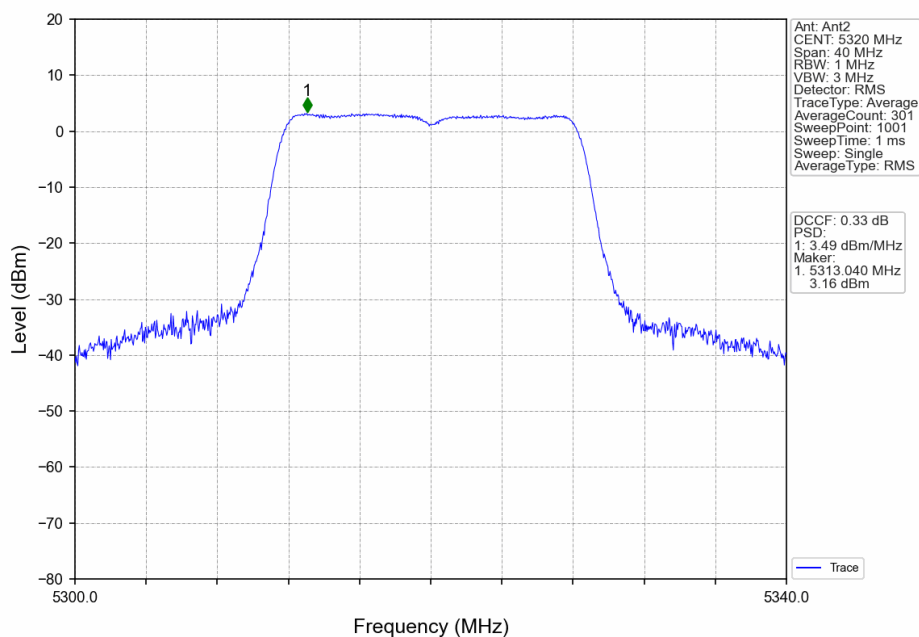
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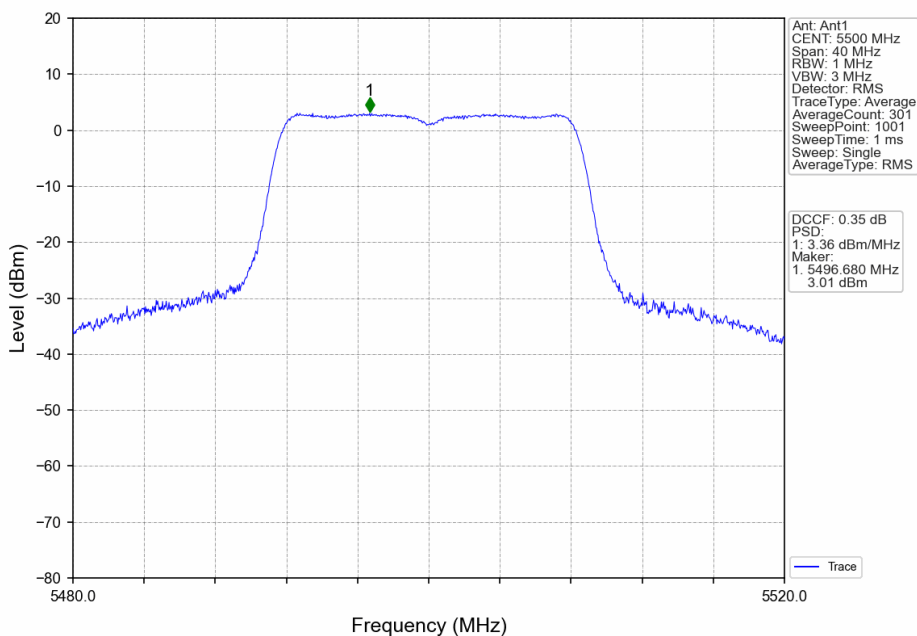
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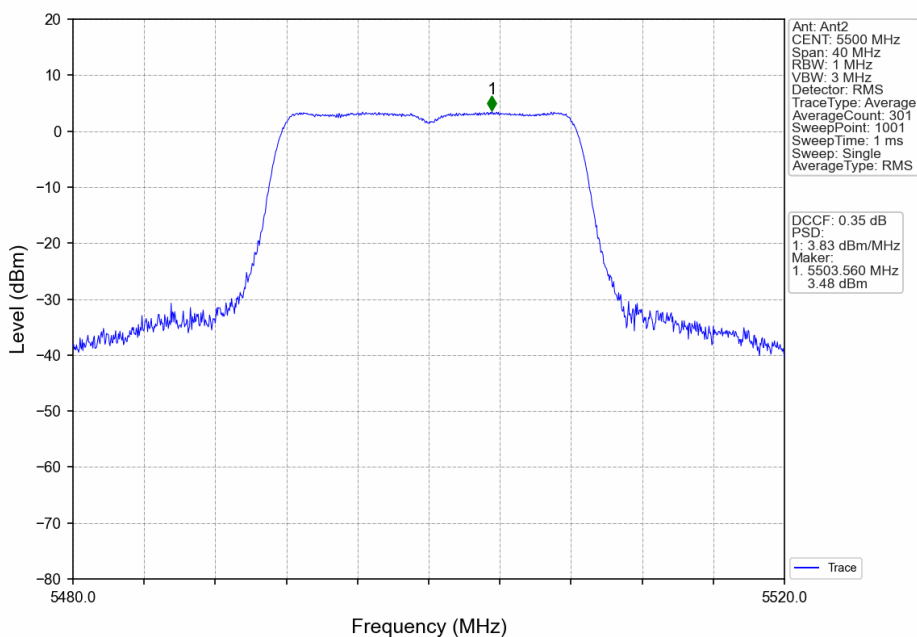
802.11a_HCH_5320MHz_Ant2_NTNV



802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_LCH_5500MHz_Ant2_NTNV



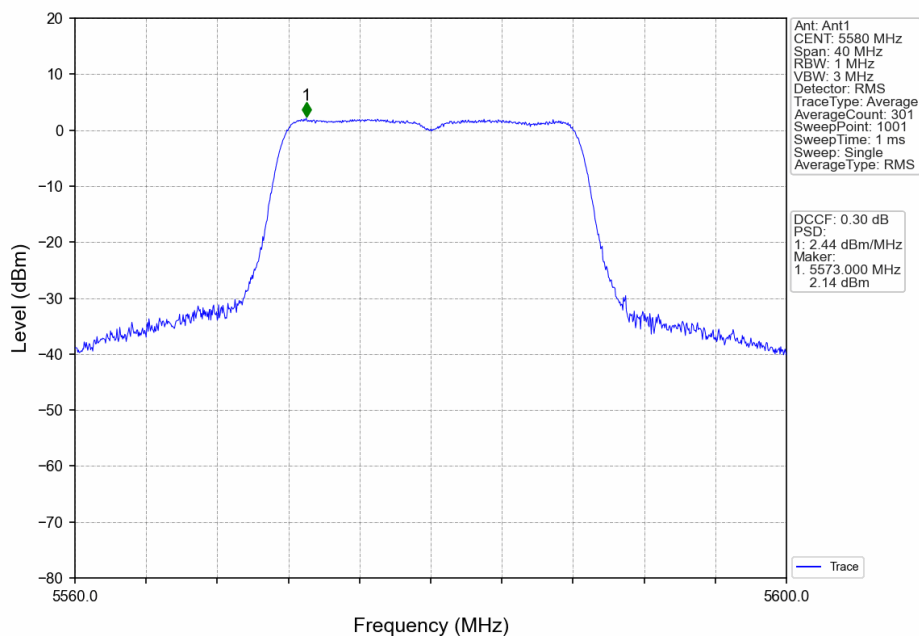
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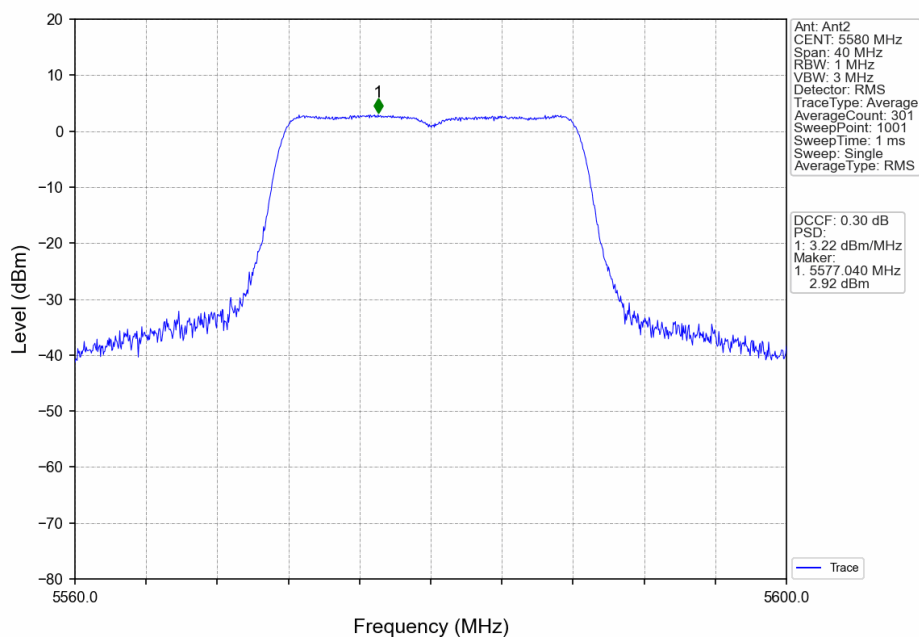
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802.11a_MCH_5580MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant2_NTNV



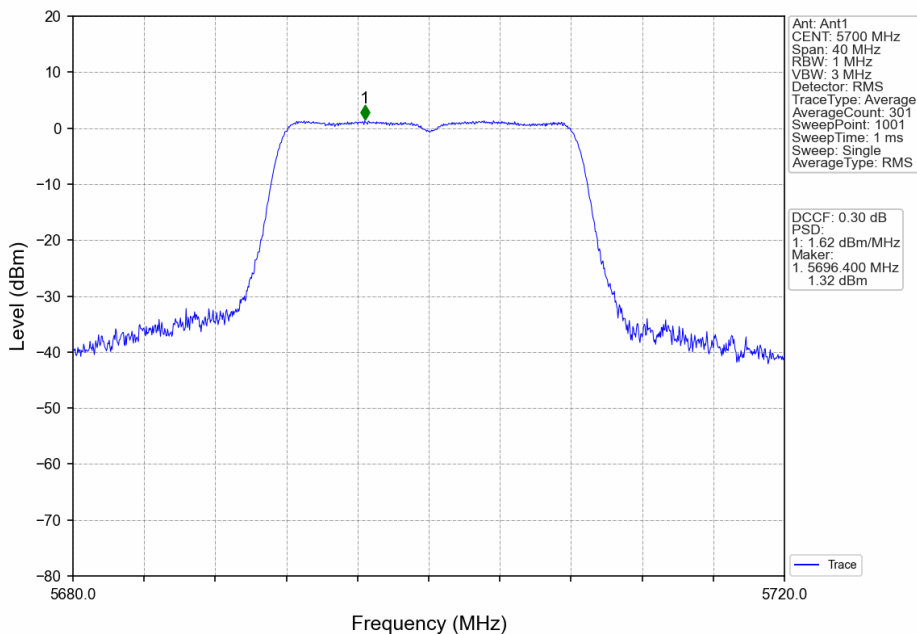
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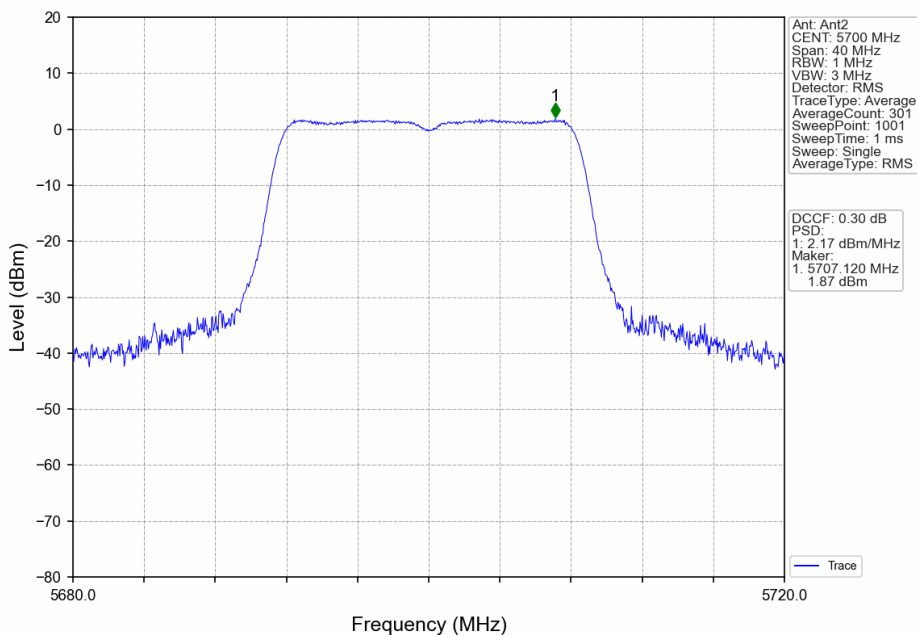
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802.11a_HCH_5700MHz_Ant1_NTNV



802.11a_HCH_5700MHz_Ant2_NTNV



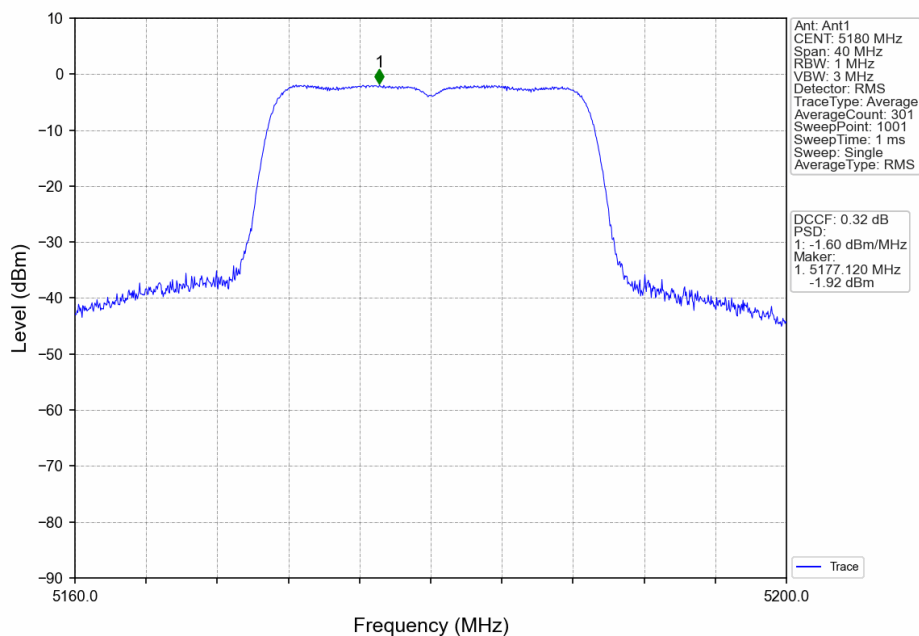
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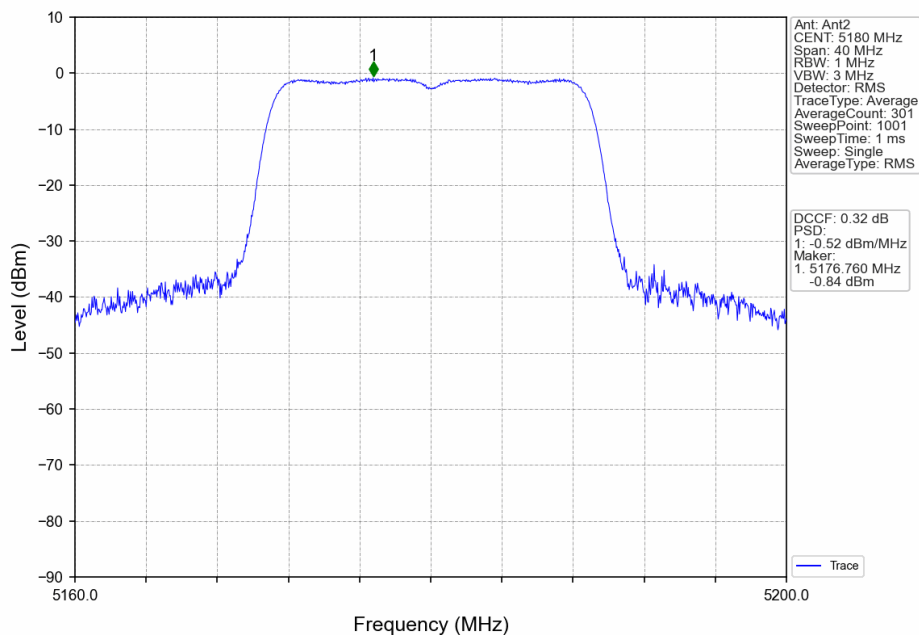
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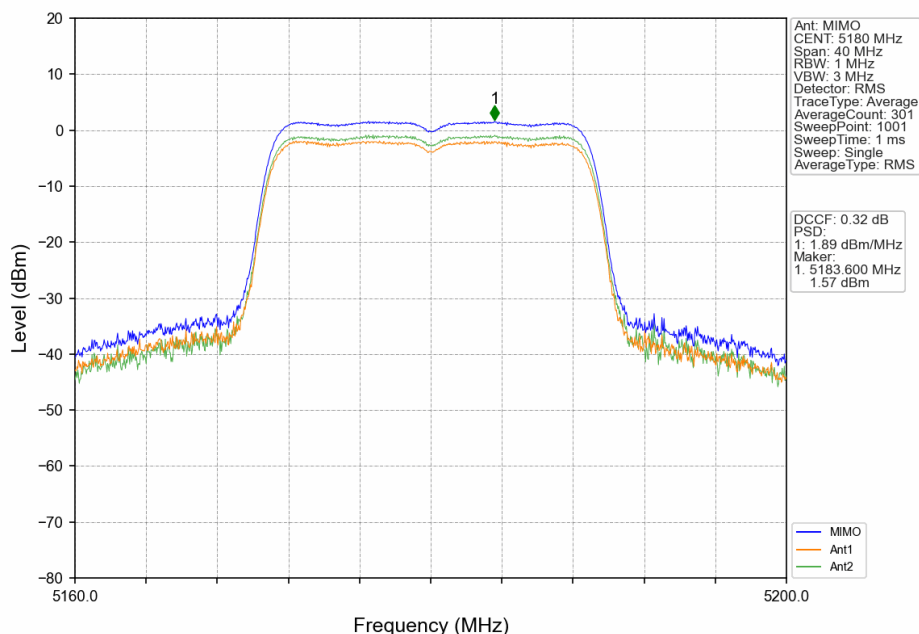
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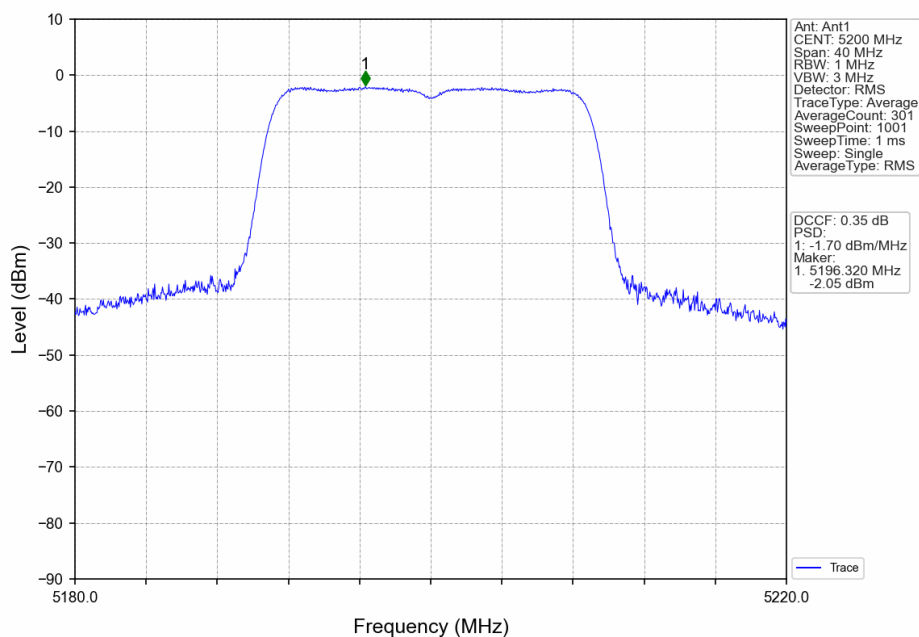
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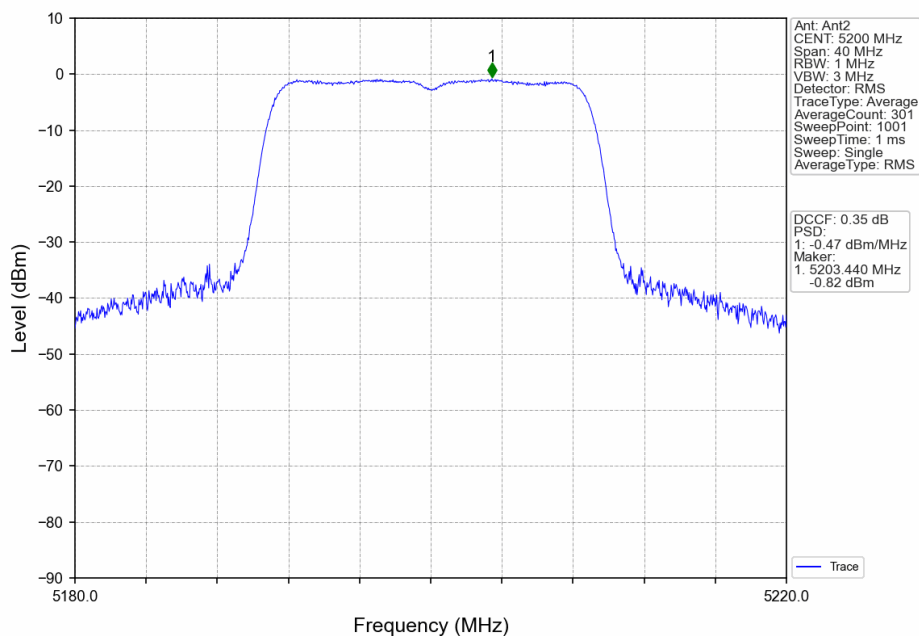
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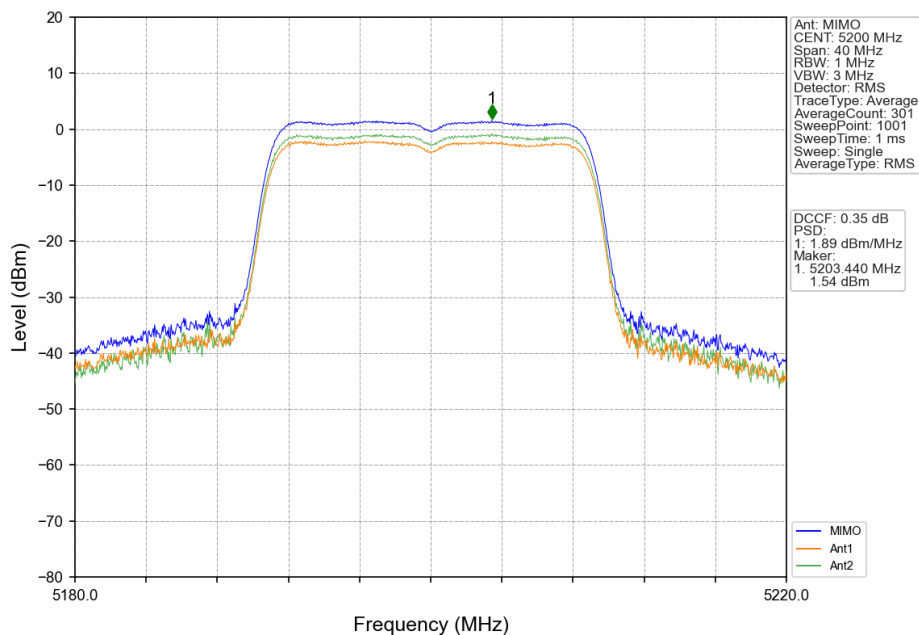
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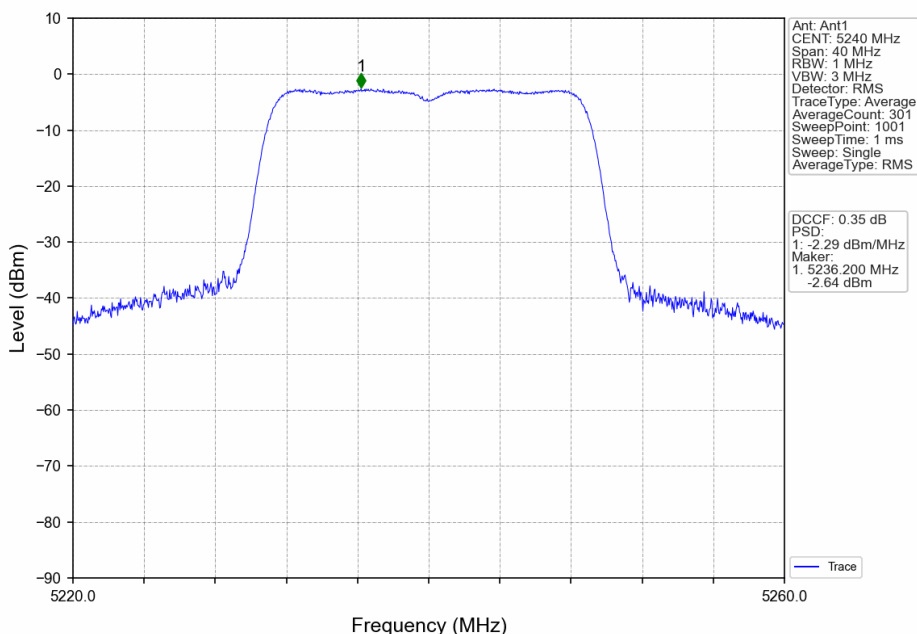
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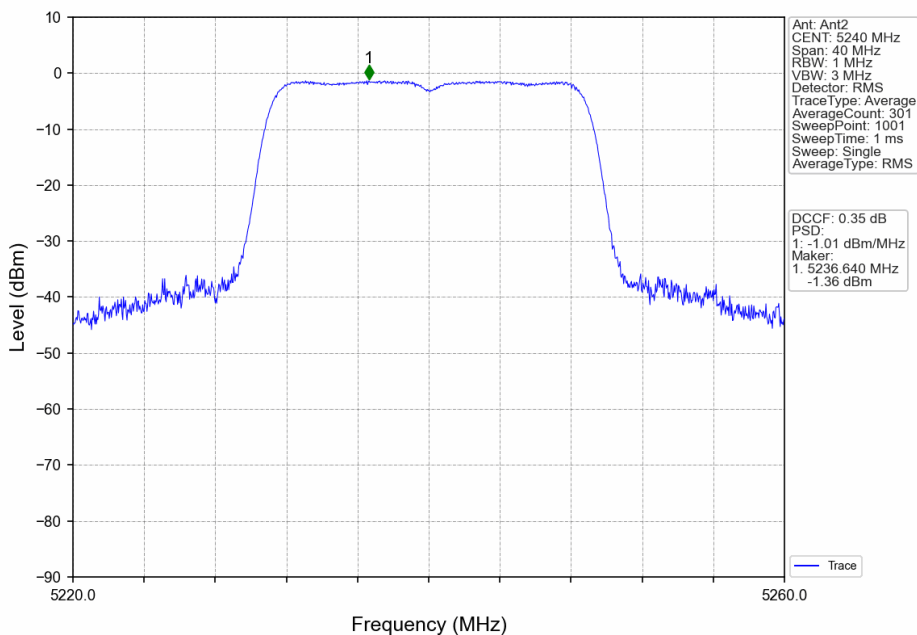
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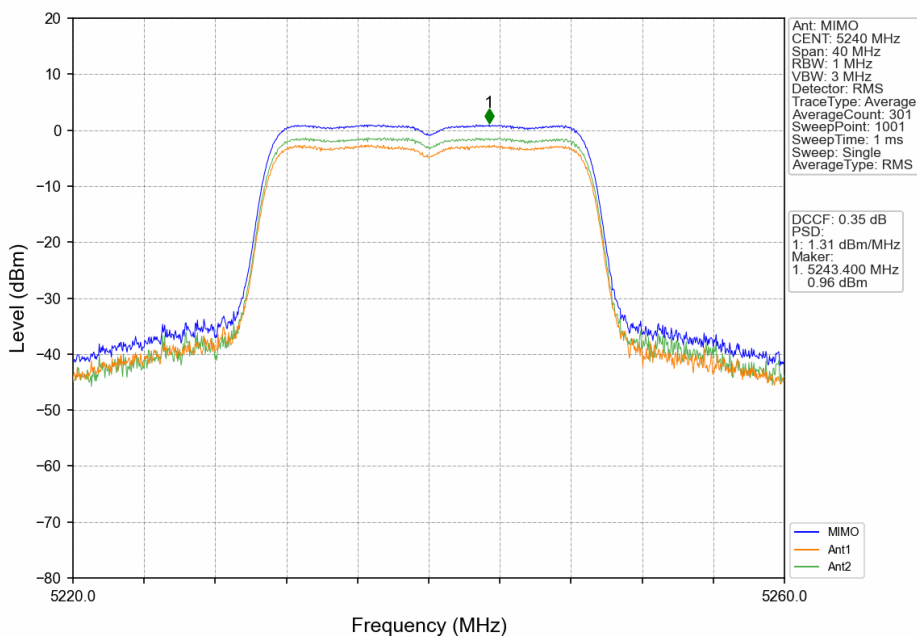
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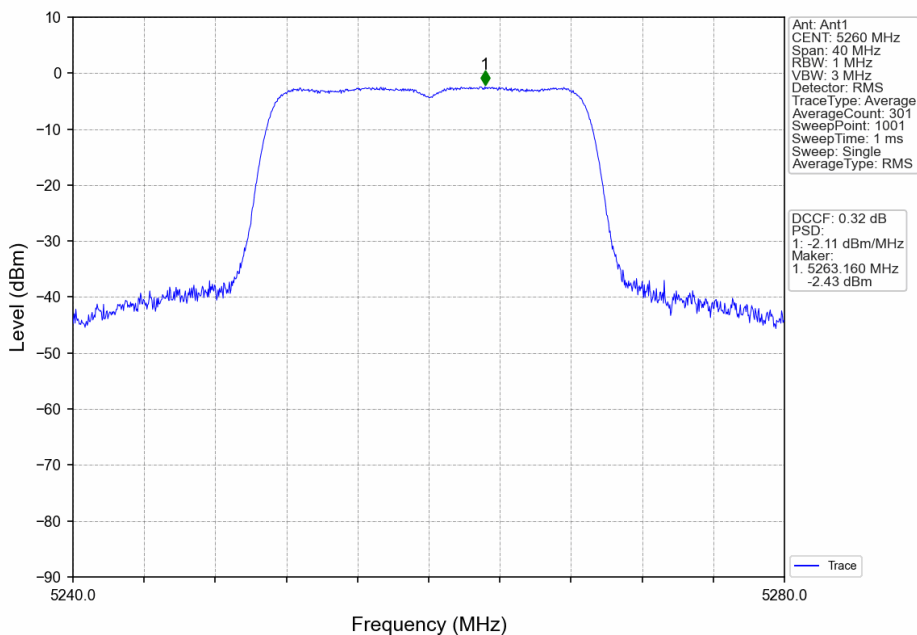
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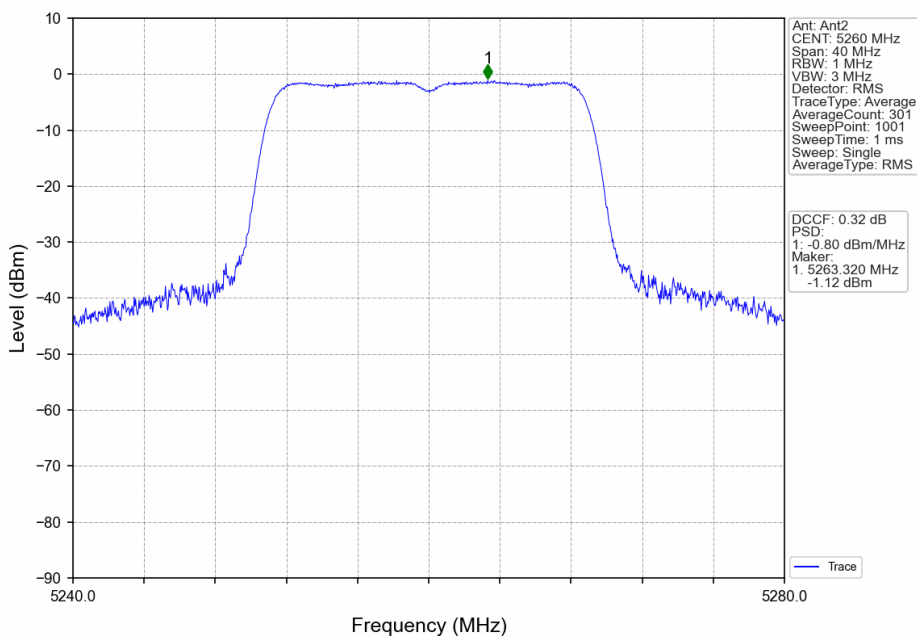
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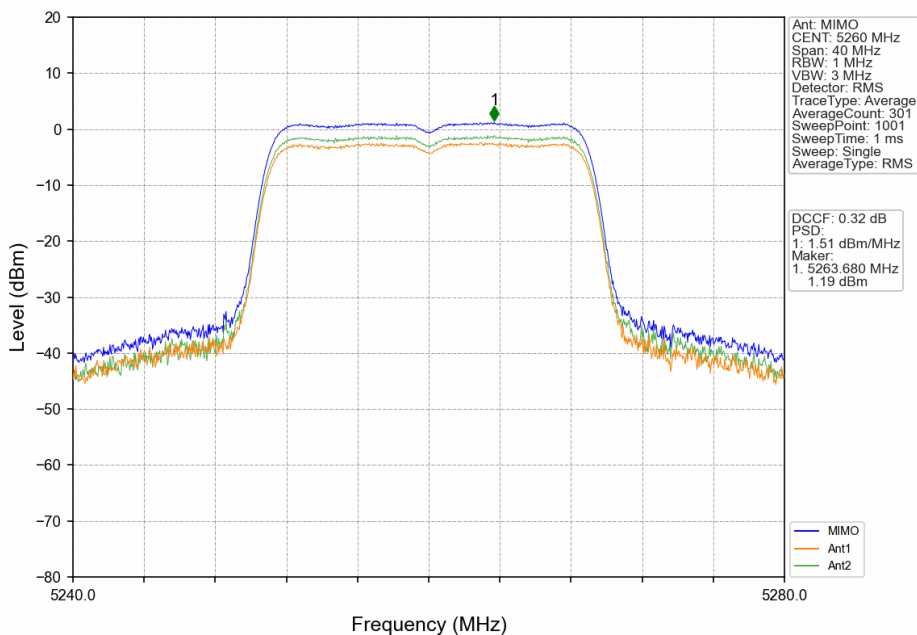
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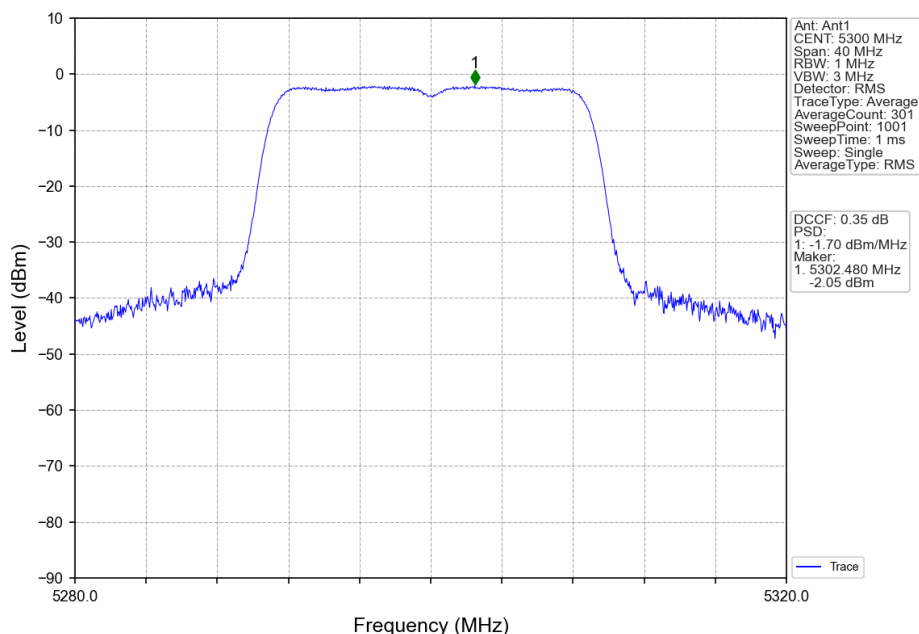
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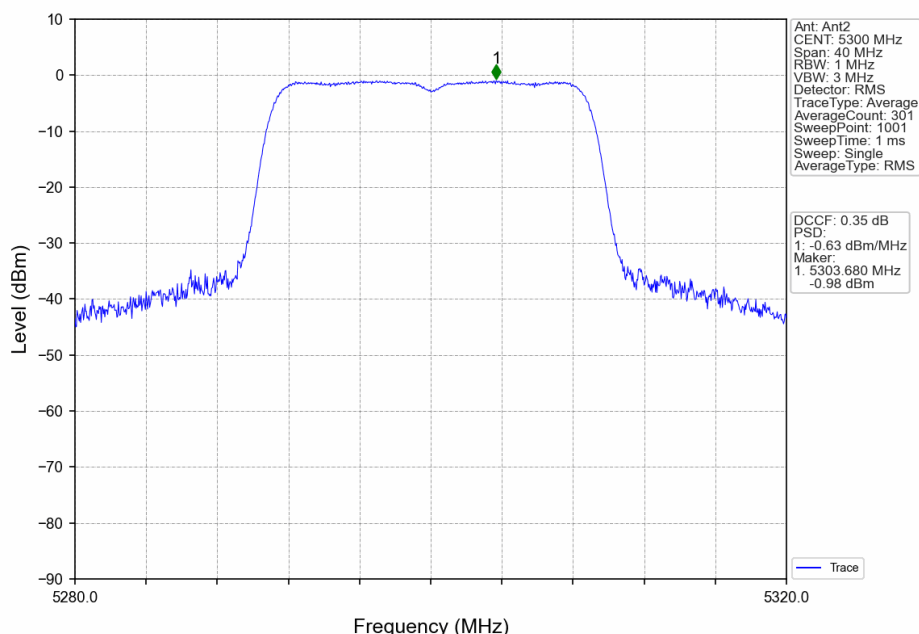
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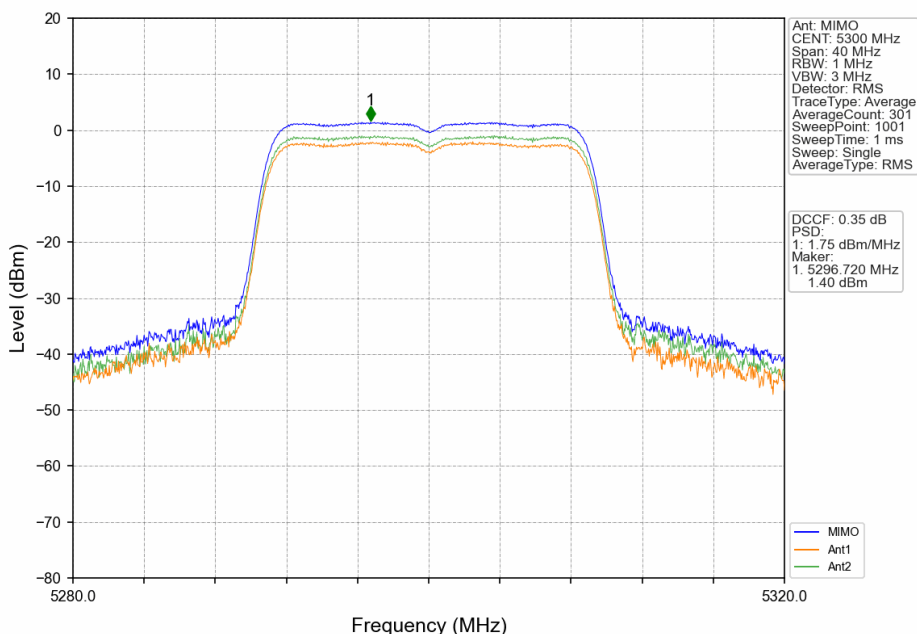
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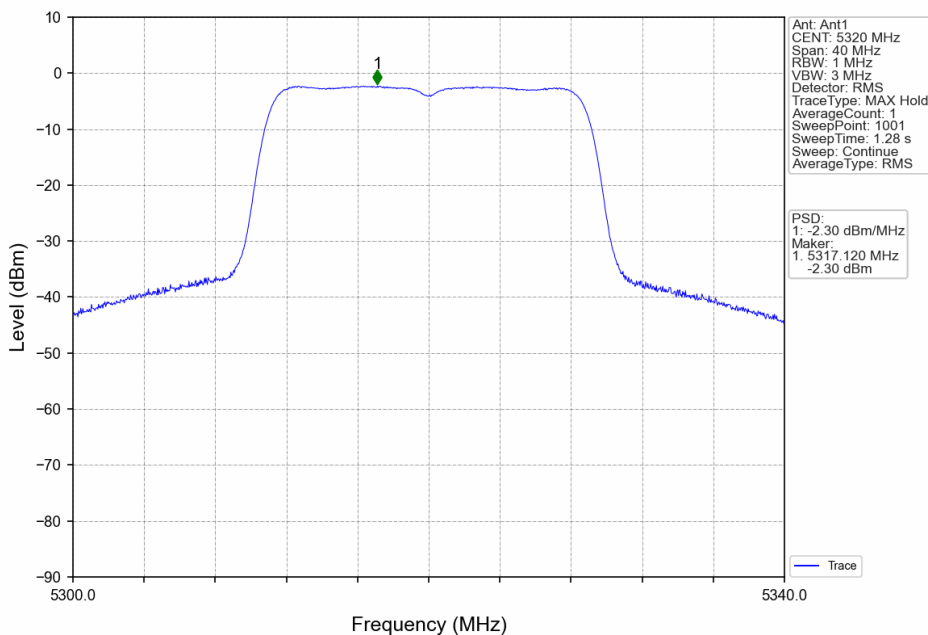
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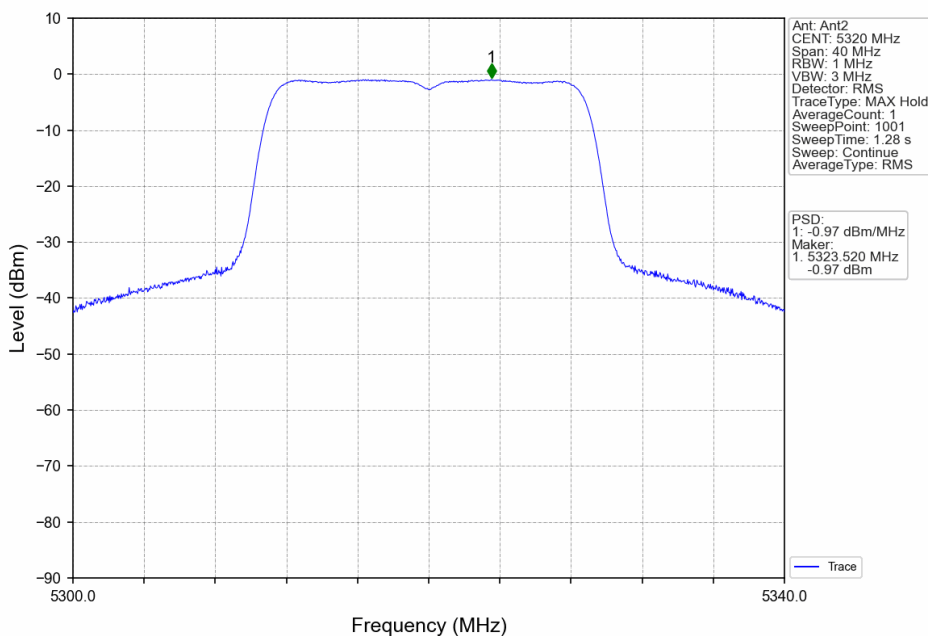
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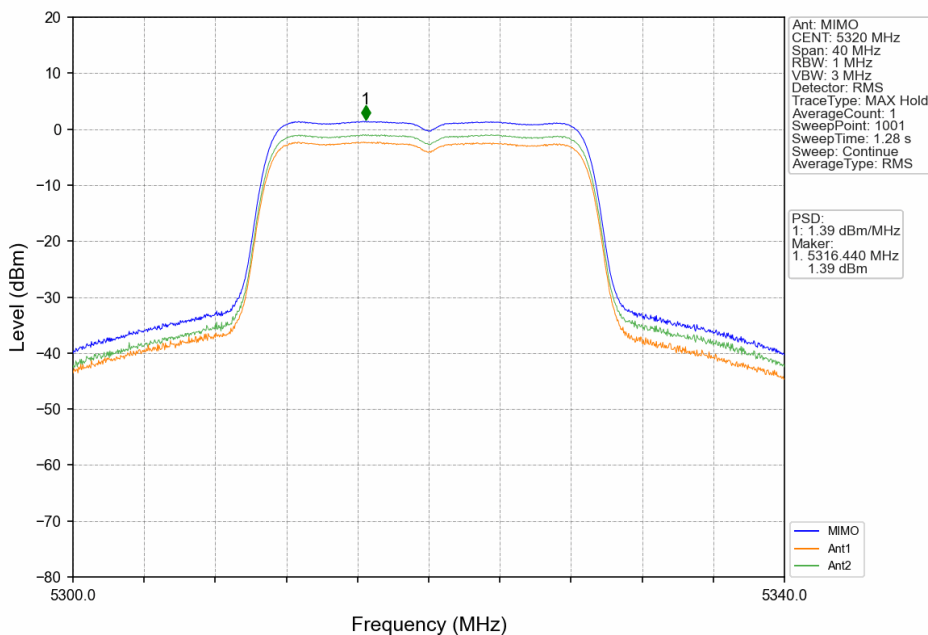
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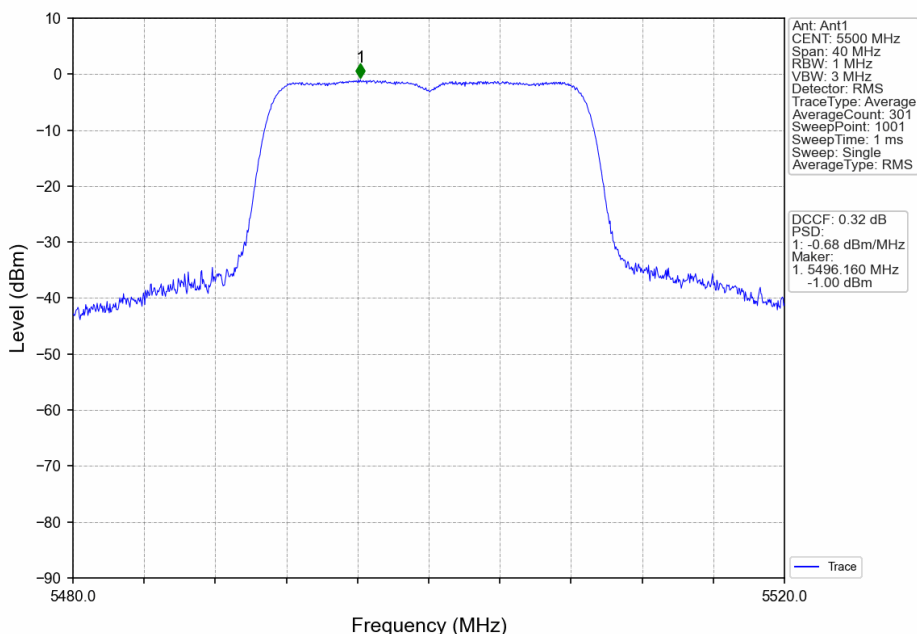
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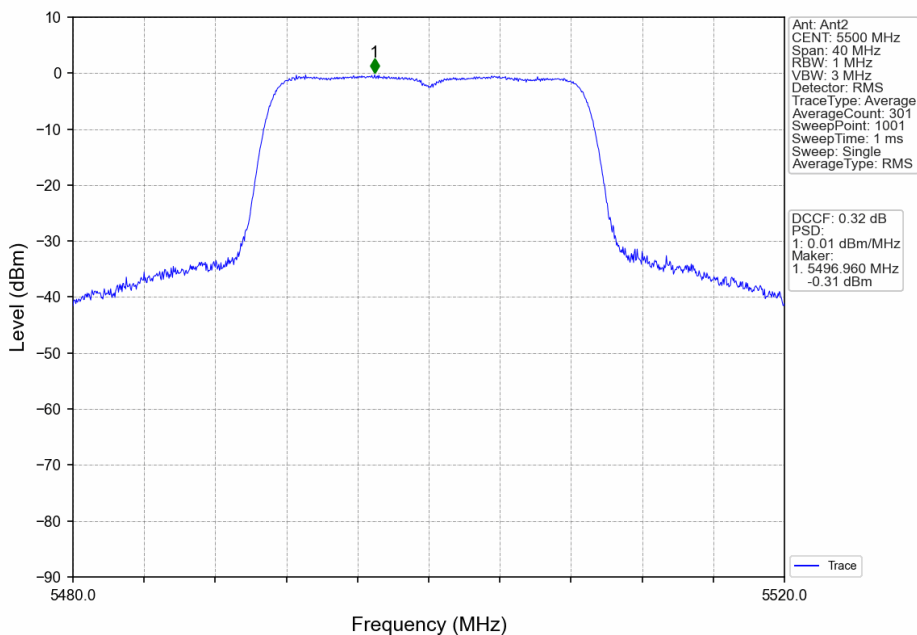
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant2_NTNV



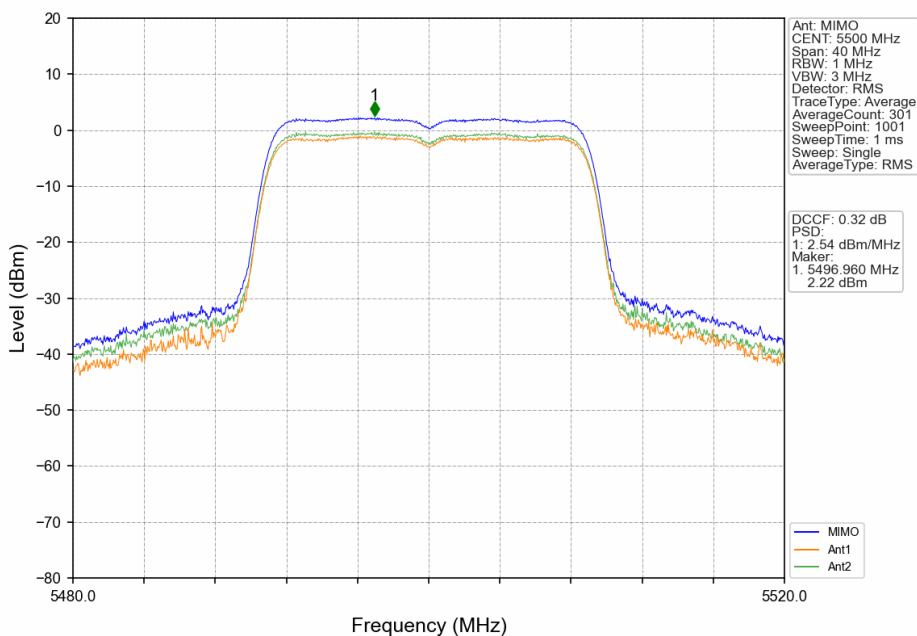
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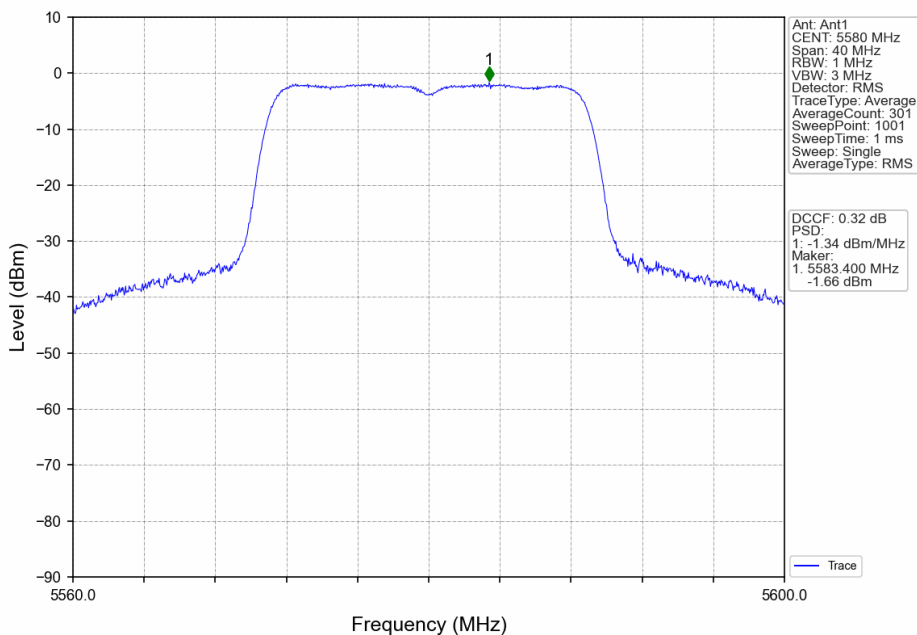
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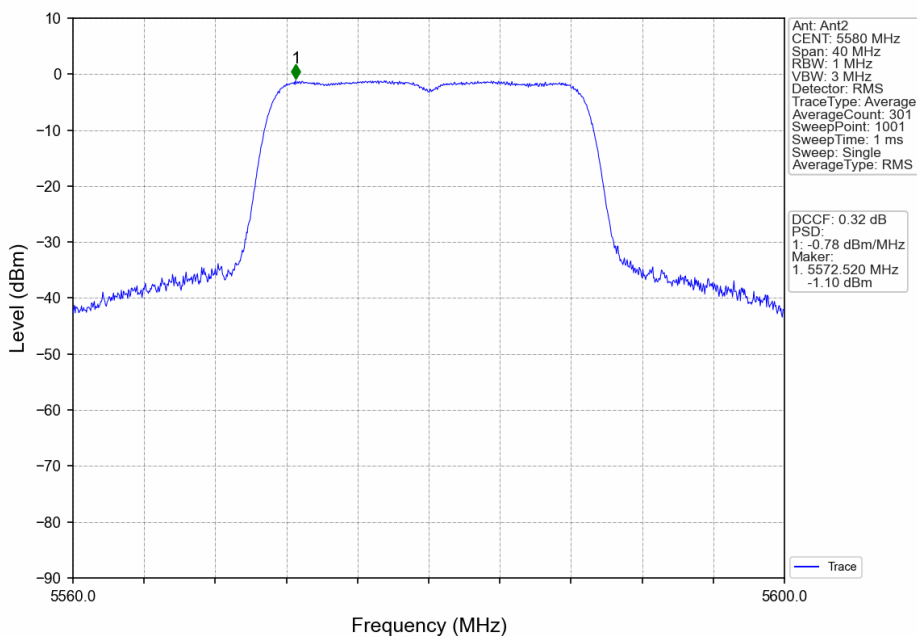
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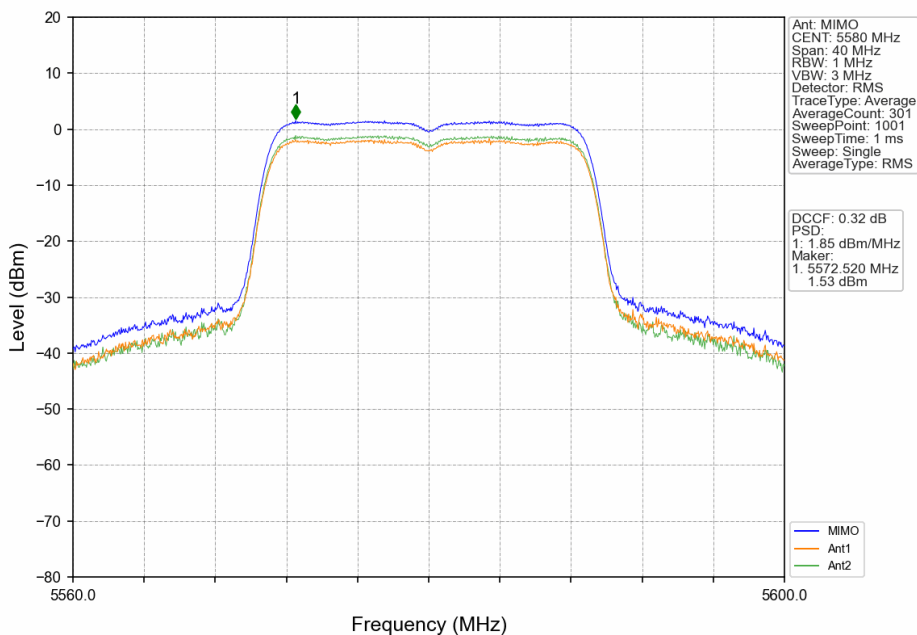
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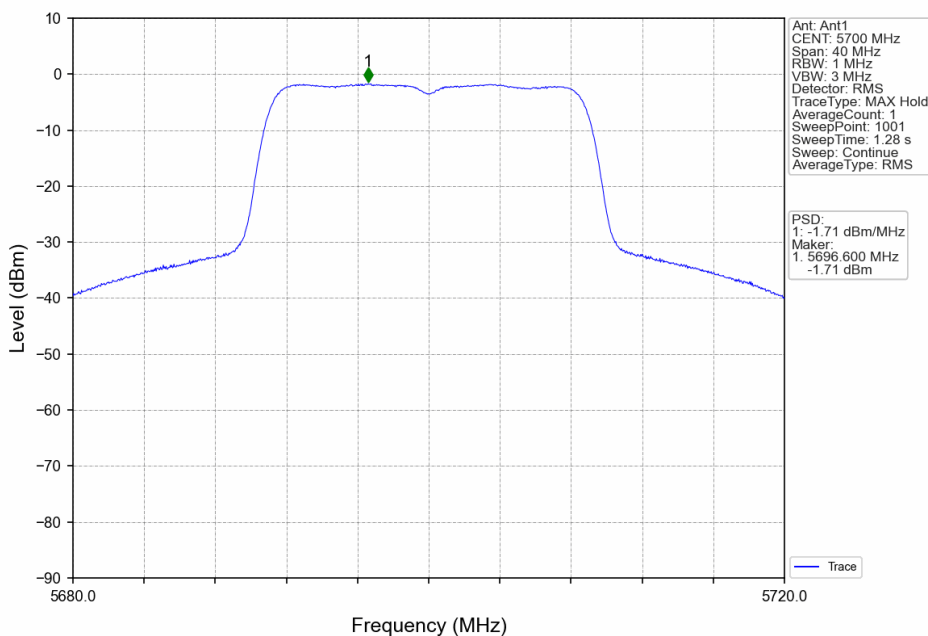
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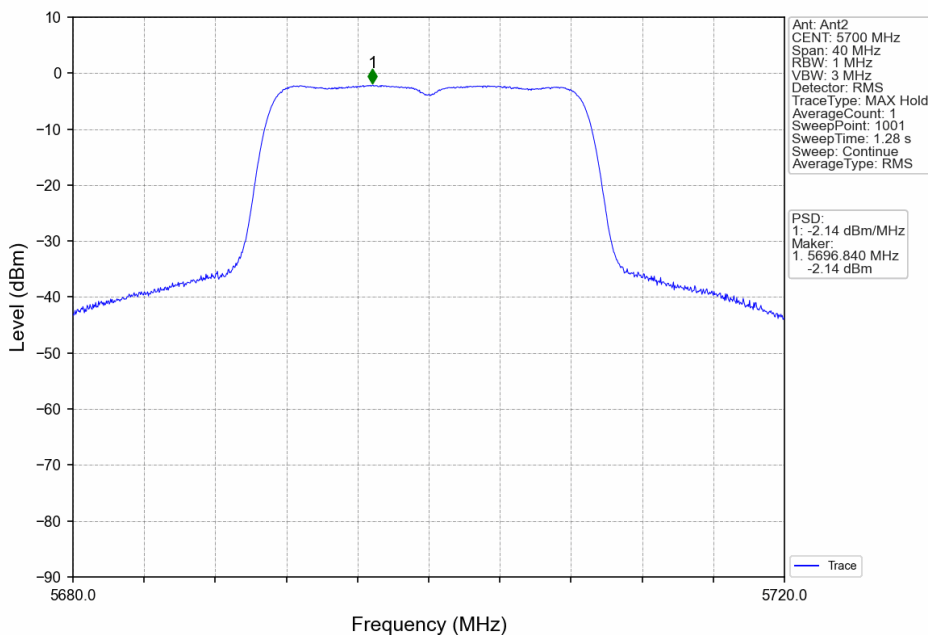
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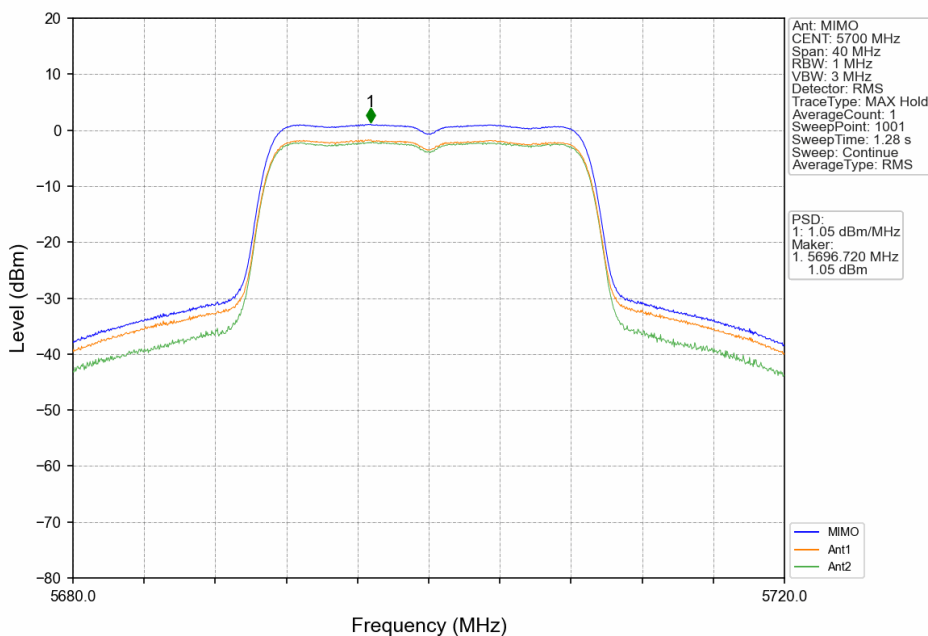
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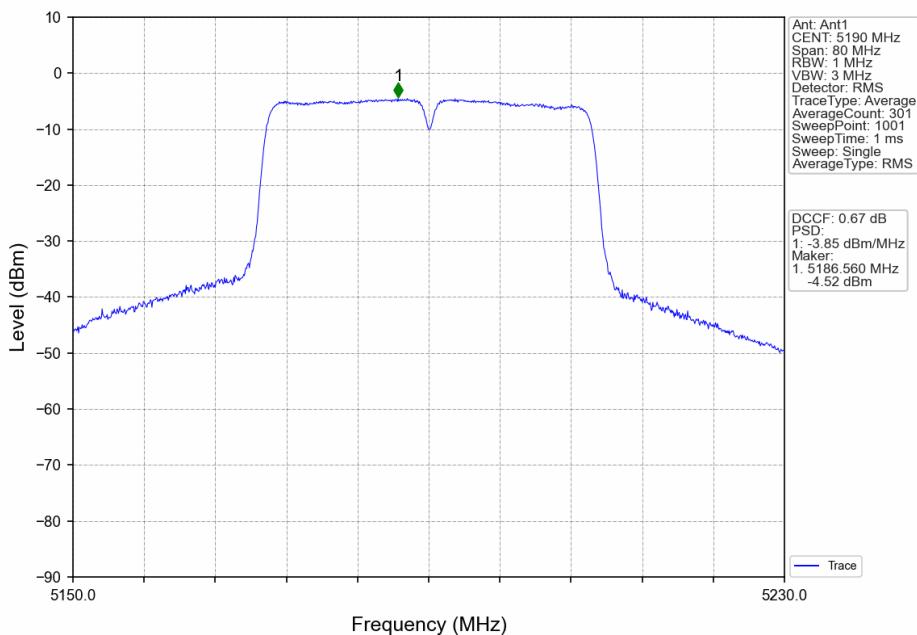
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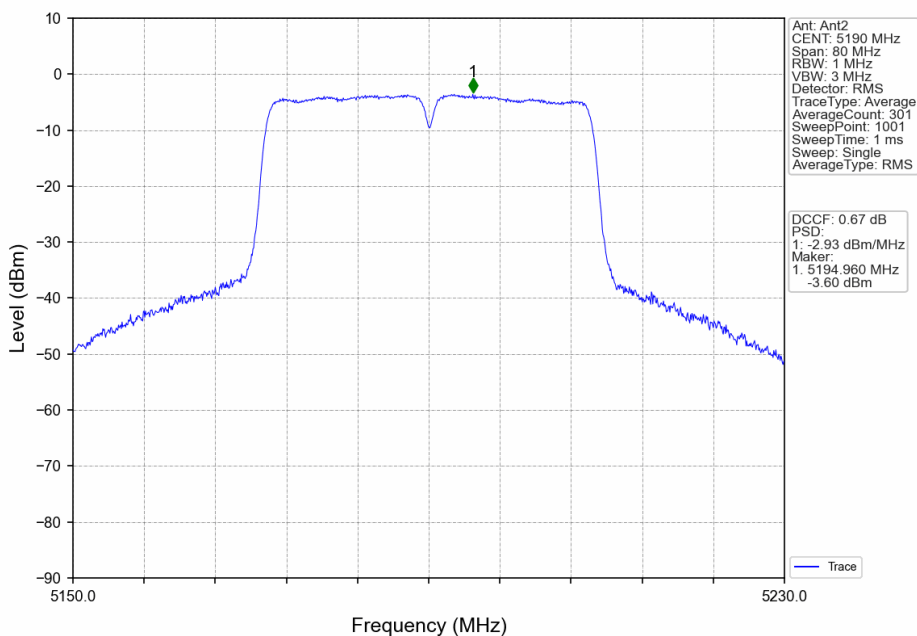
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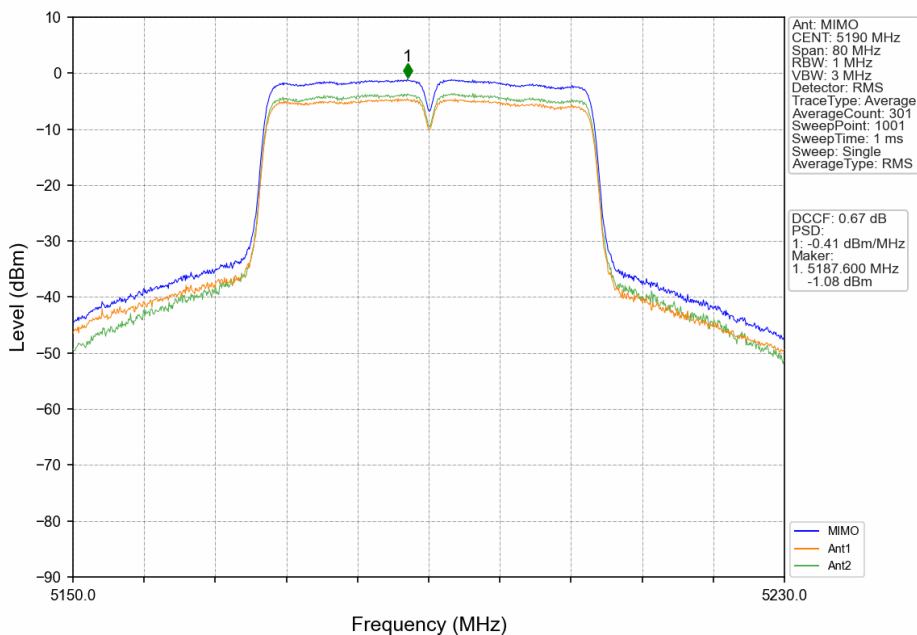
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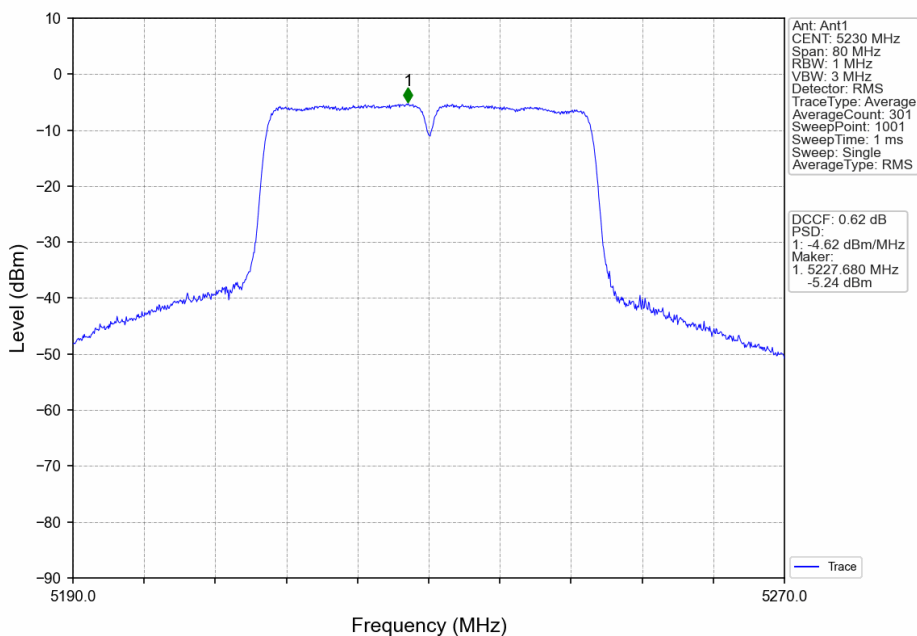
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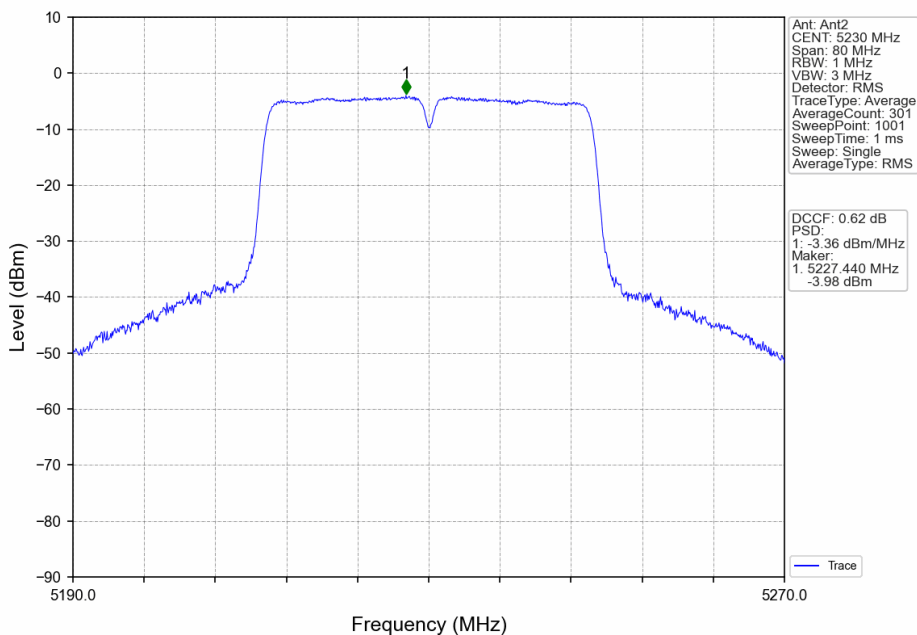
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



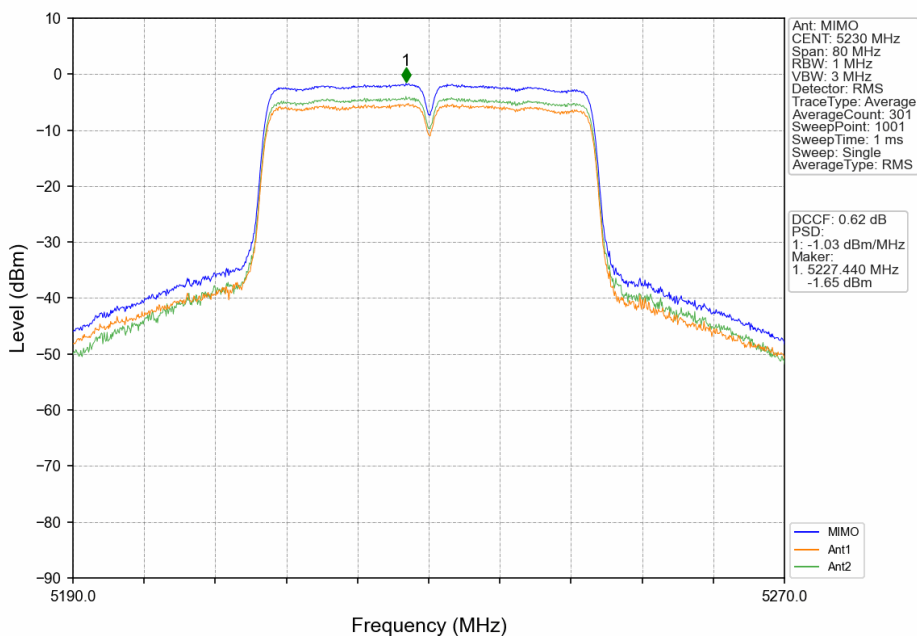
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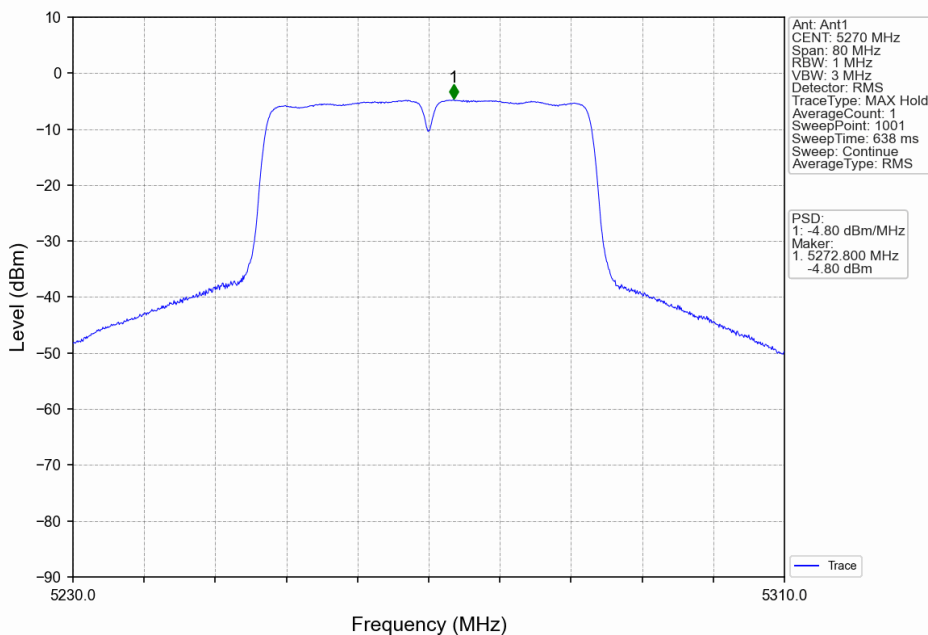
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802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



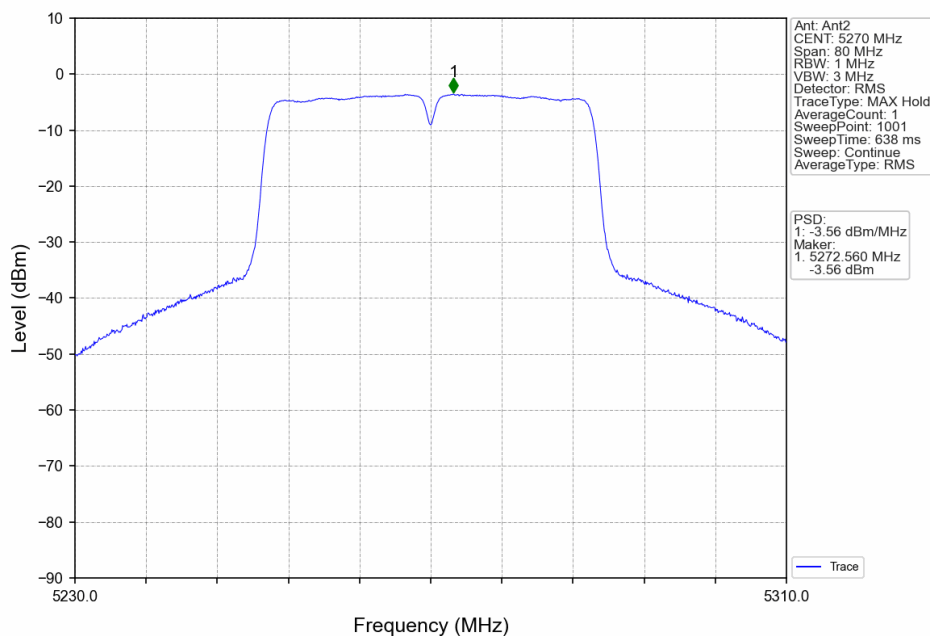
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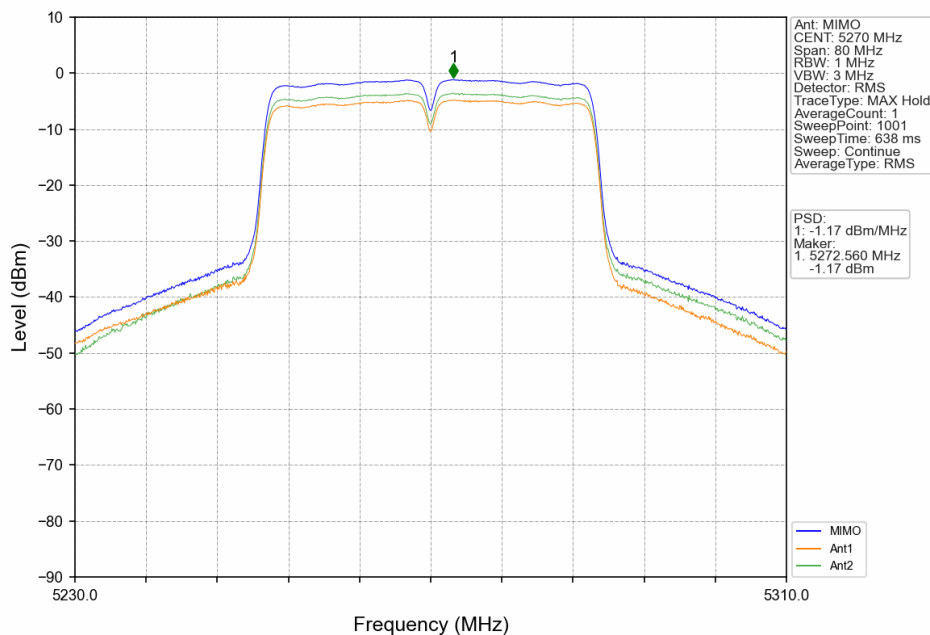
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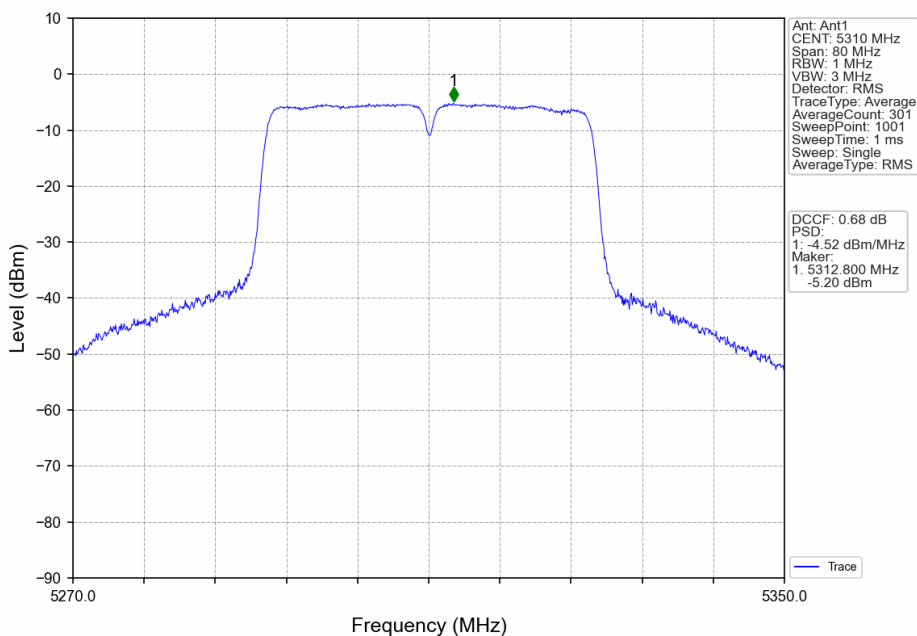
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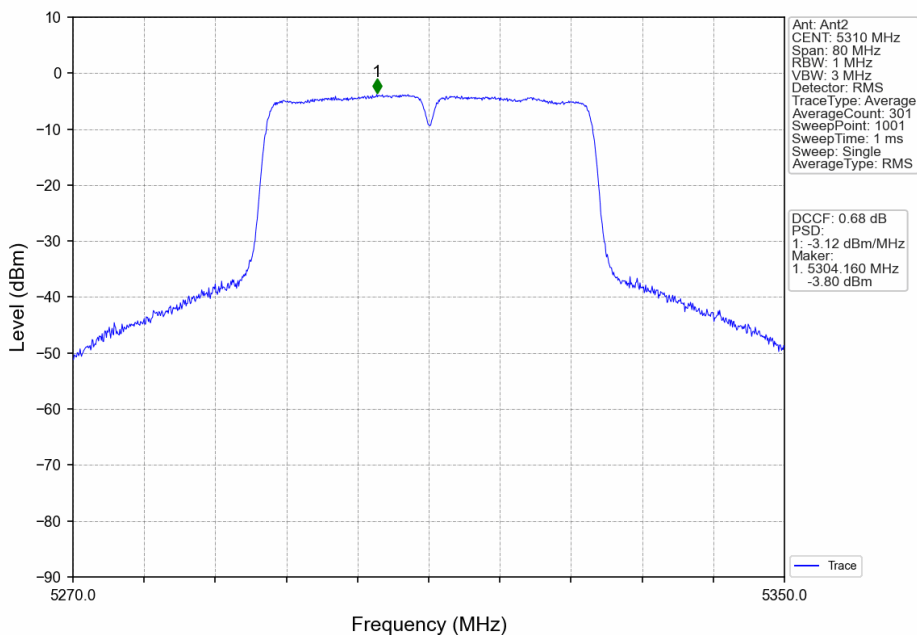
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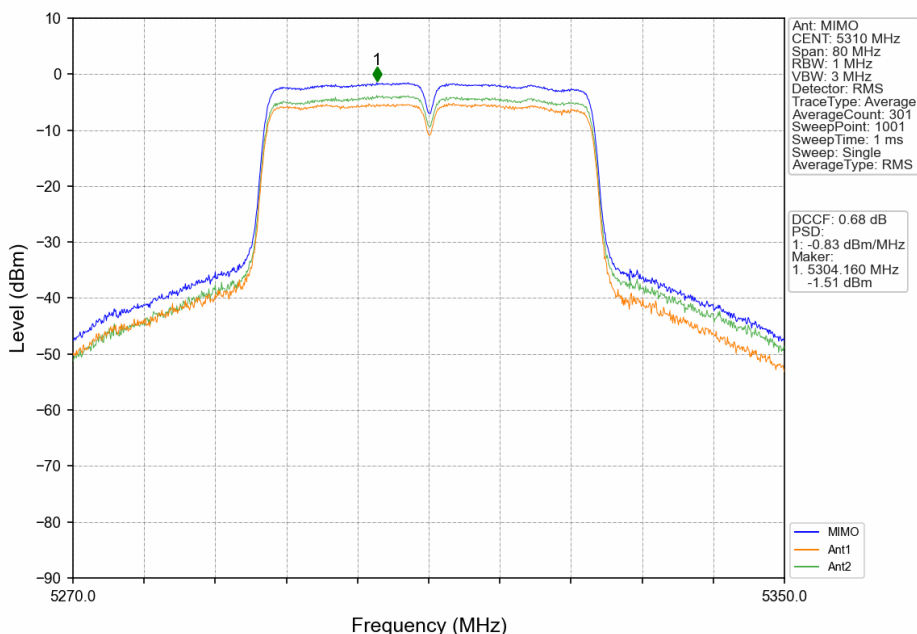
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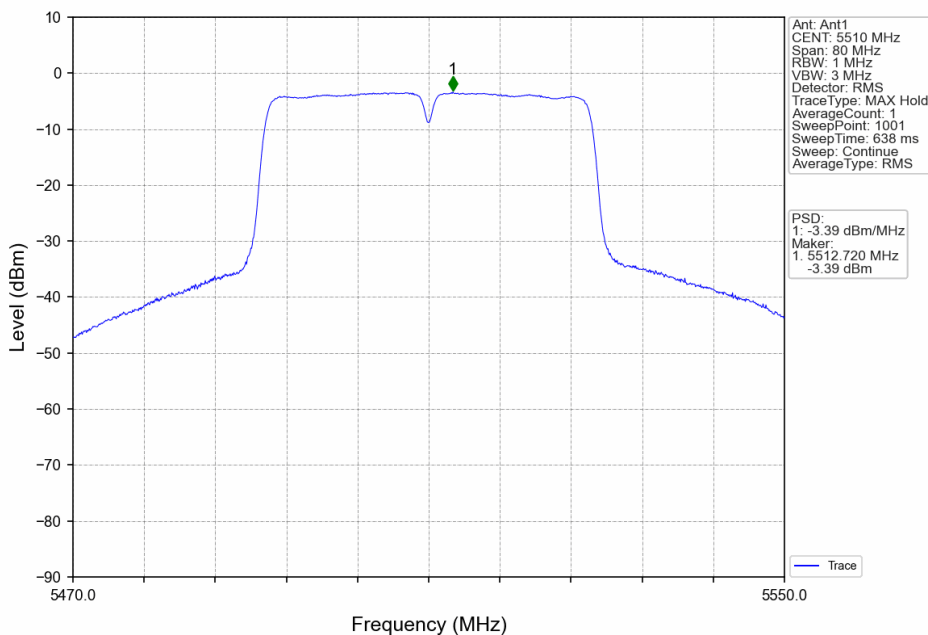
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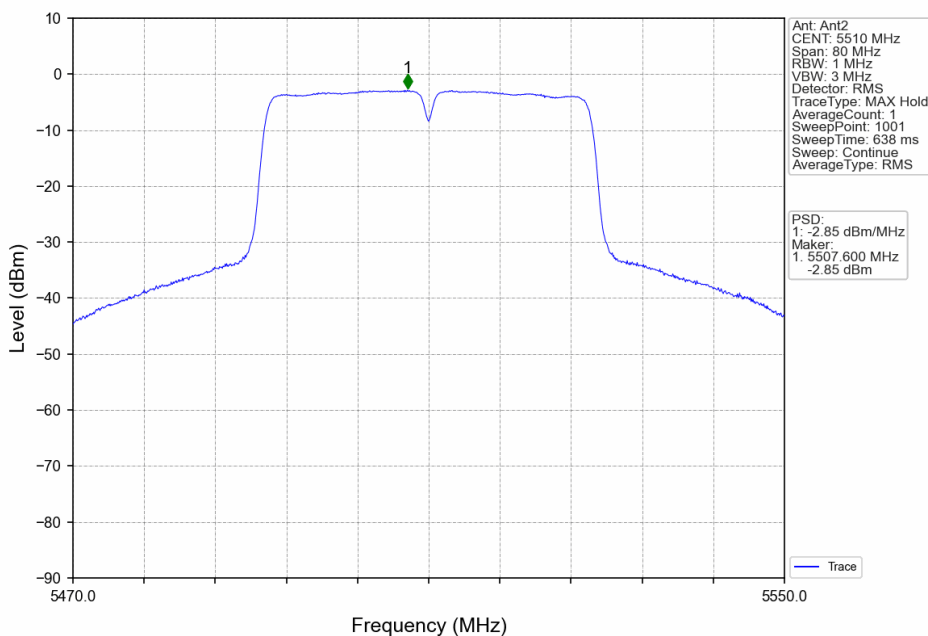
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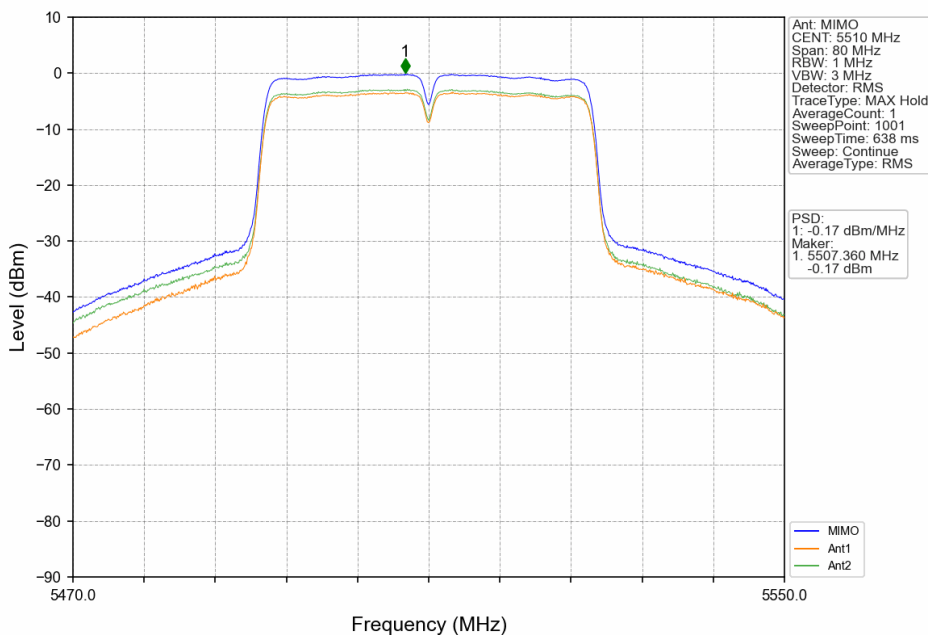
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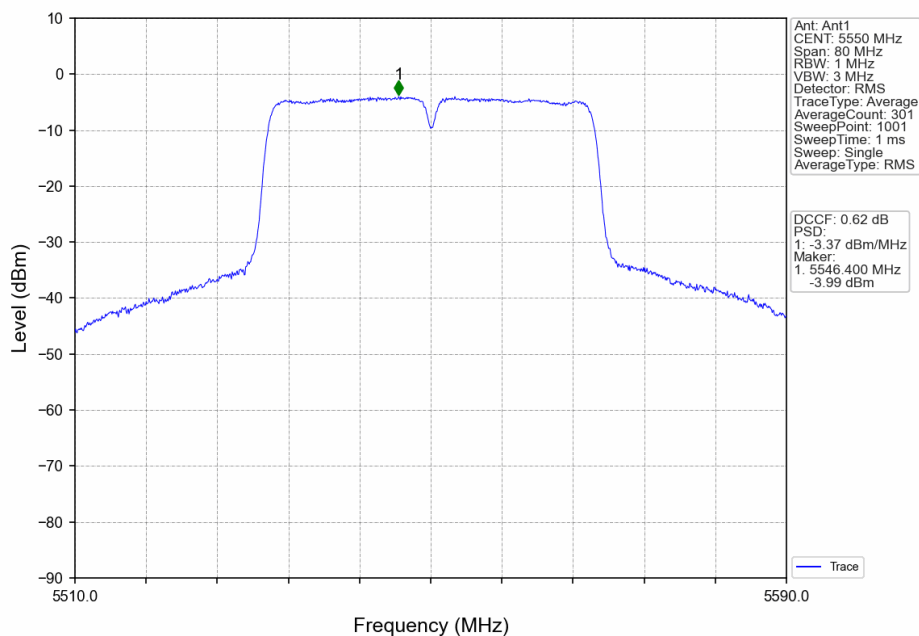
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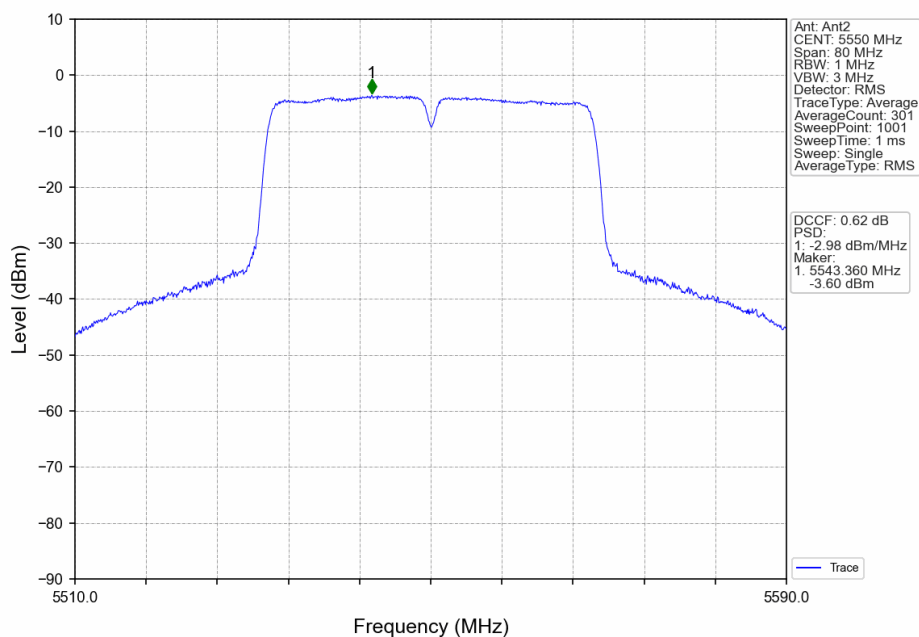
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802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_MCH_5550MHz_Ant2_NTNV



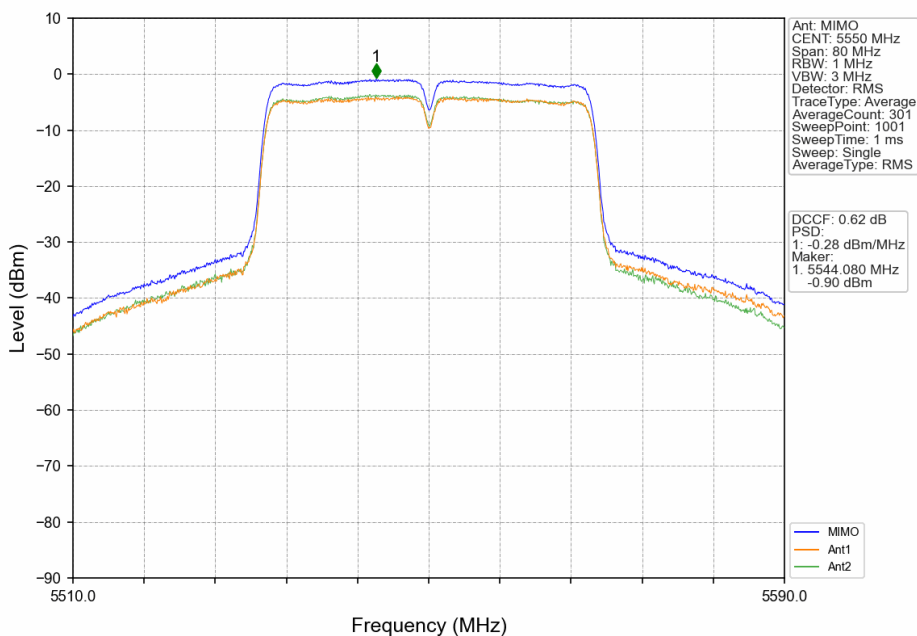
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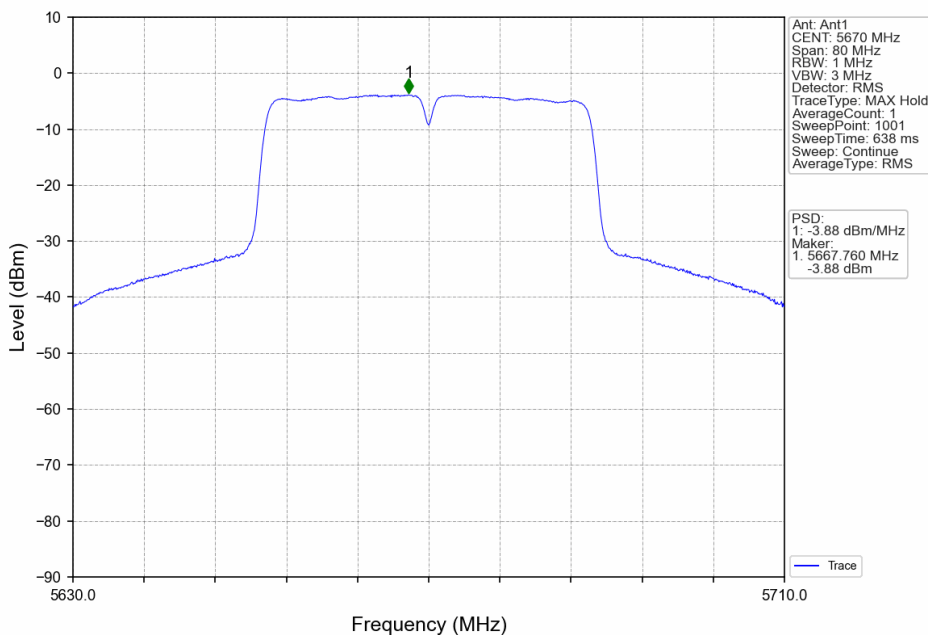
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802.11n(HT40)_MCH_5550MHz_MIMO_NTNV



802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



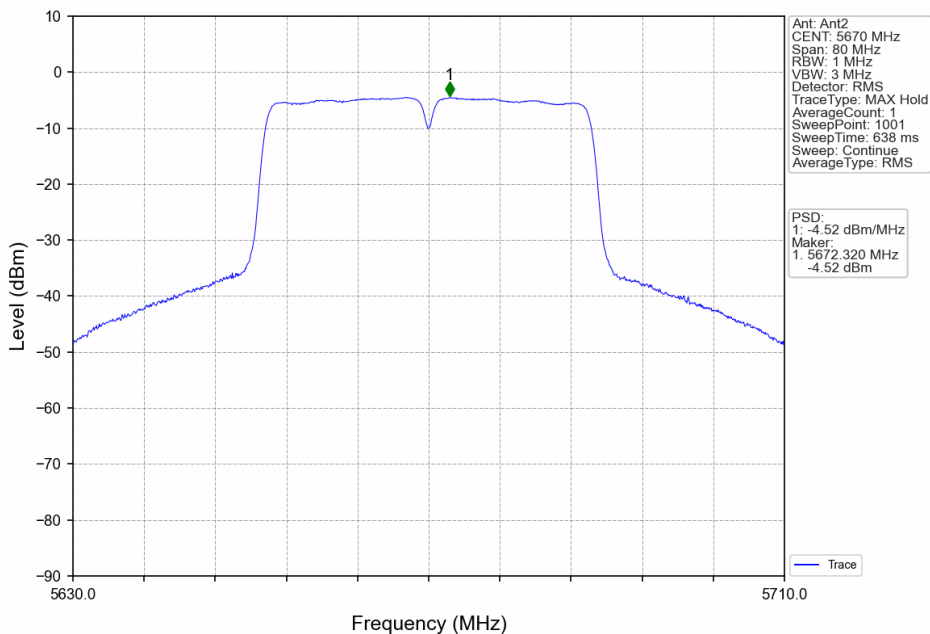
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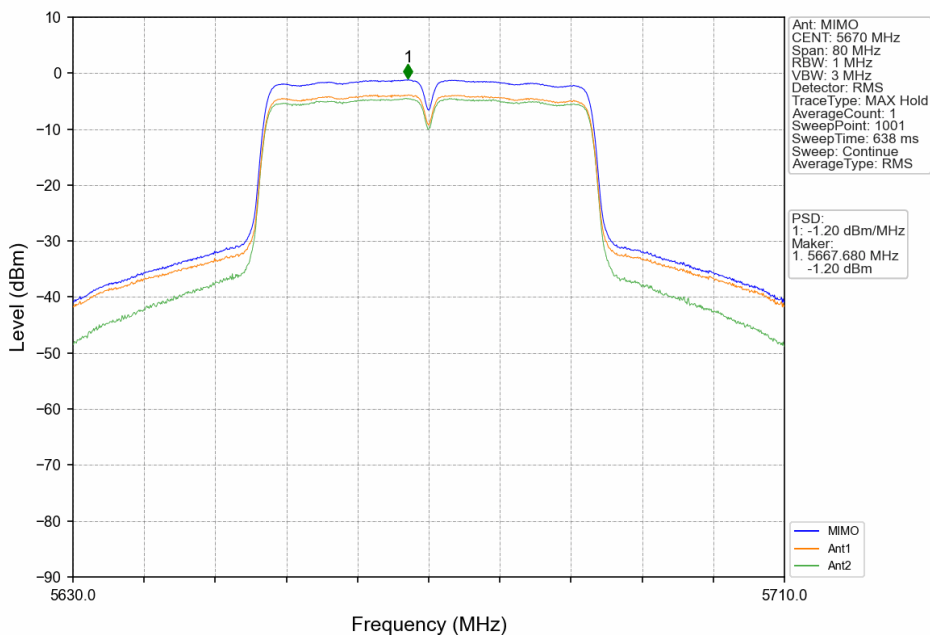
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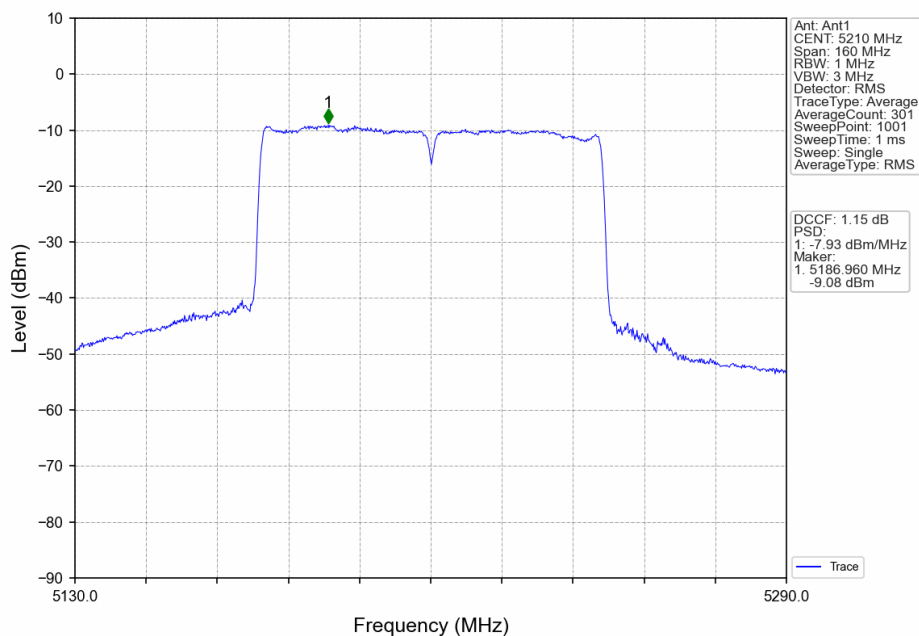
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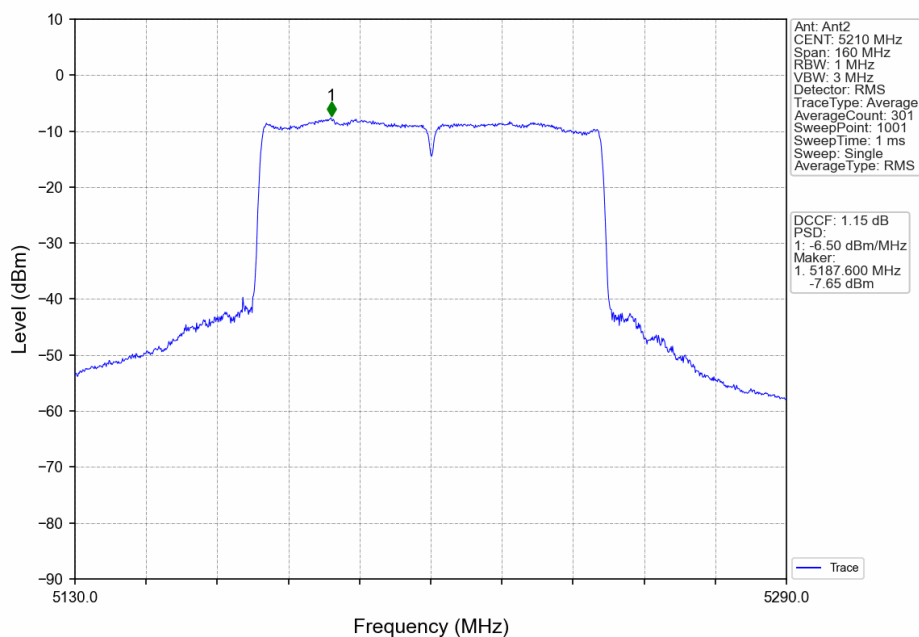
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



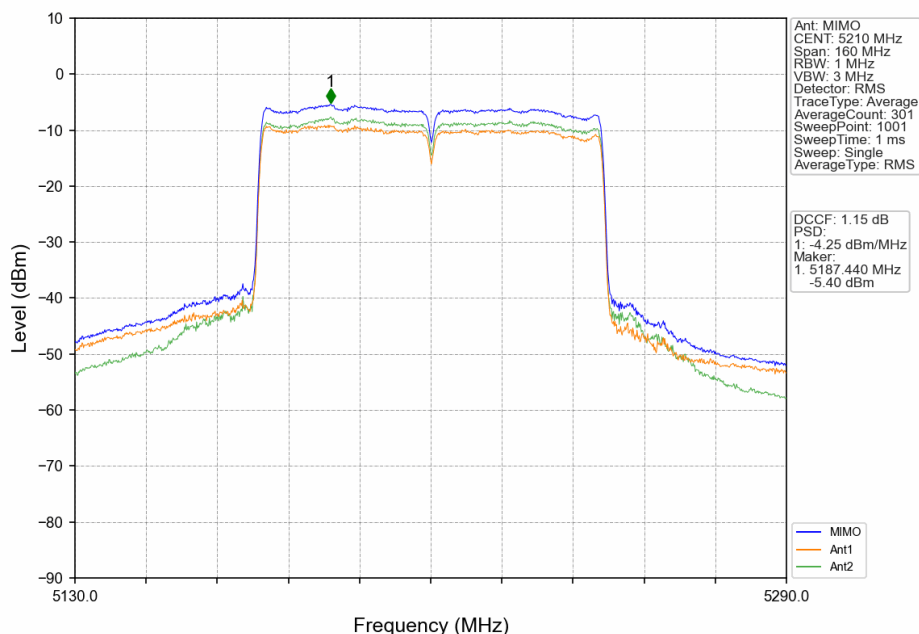
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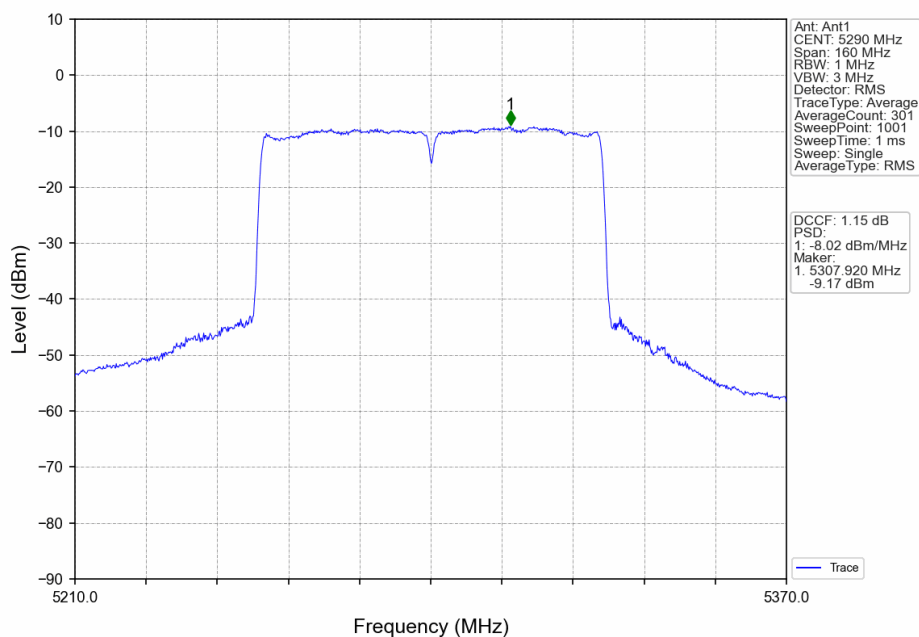
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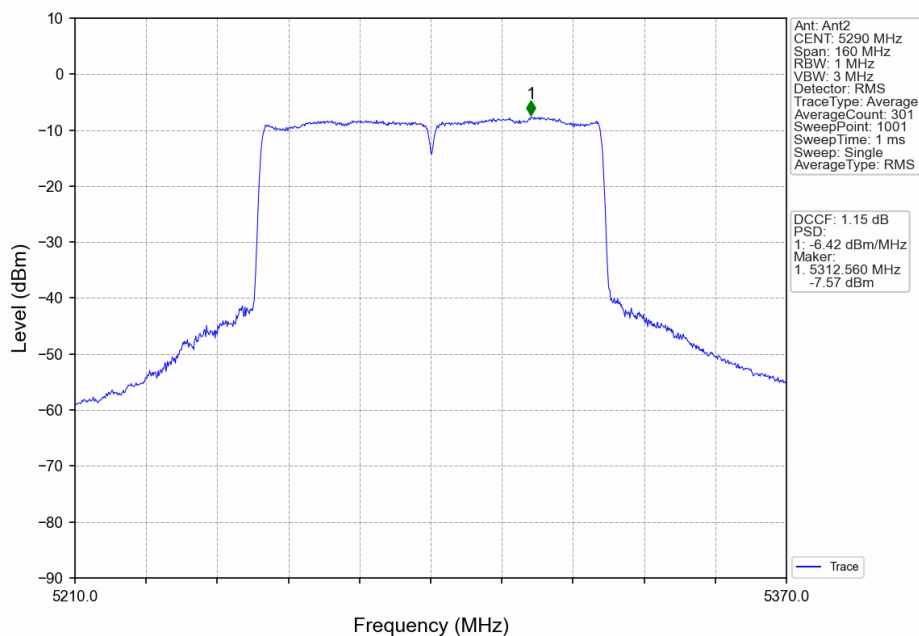
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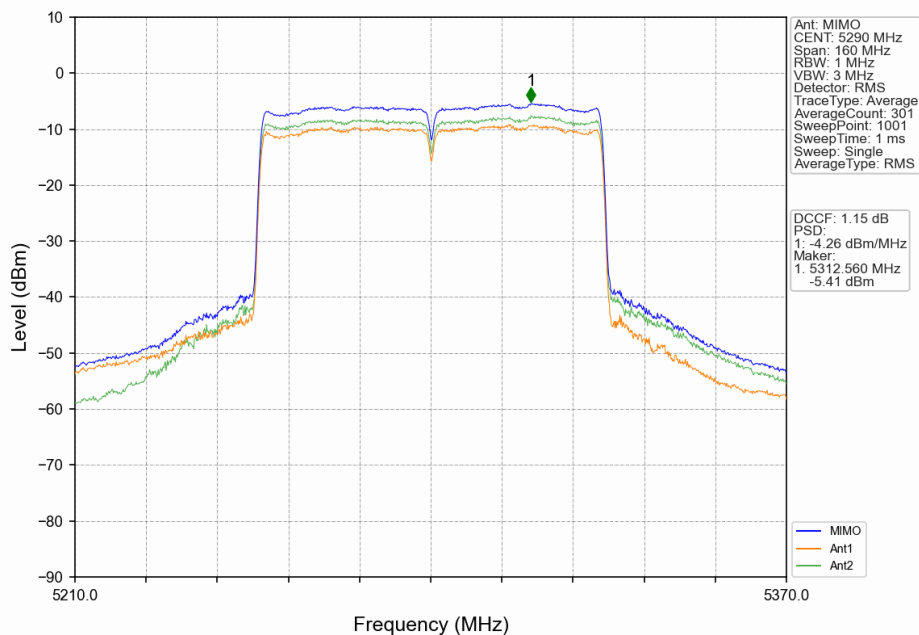
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802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5290MHz_MIMO_NTNV



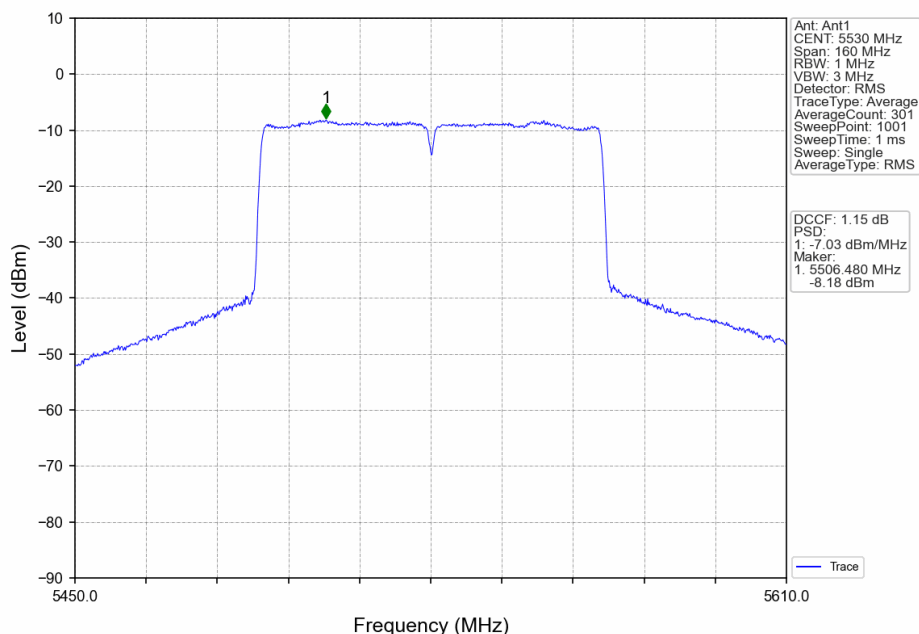
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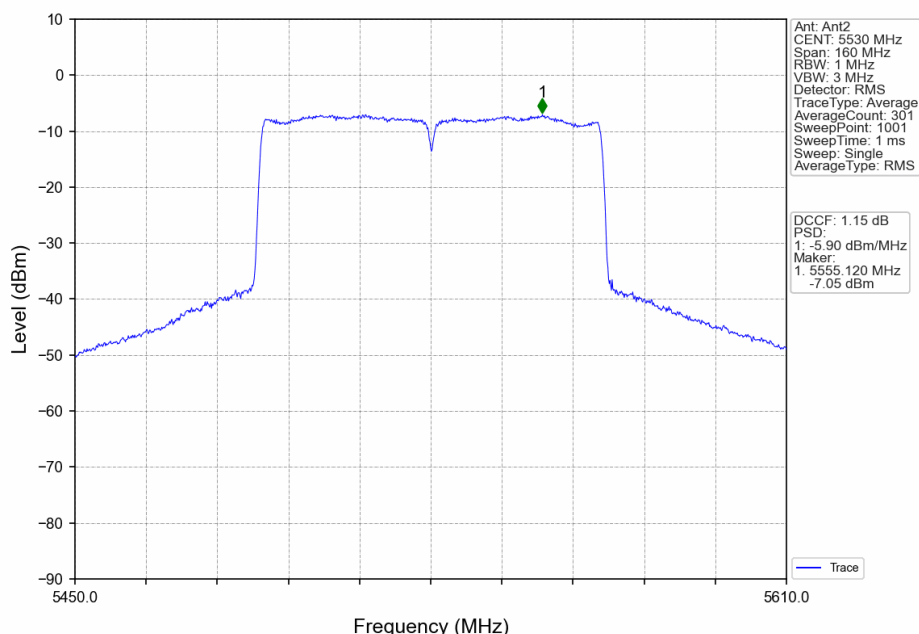
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV



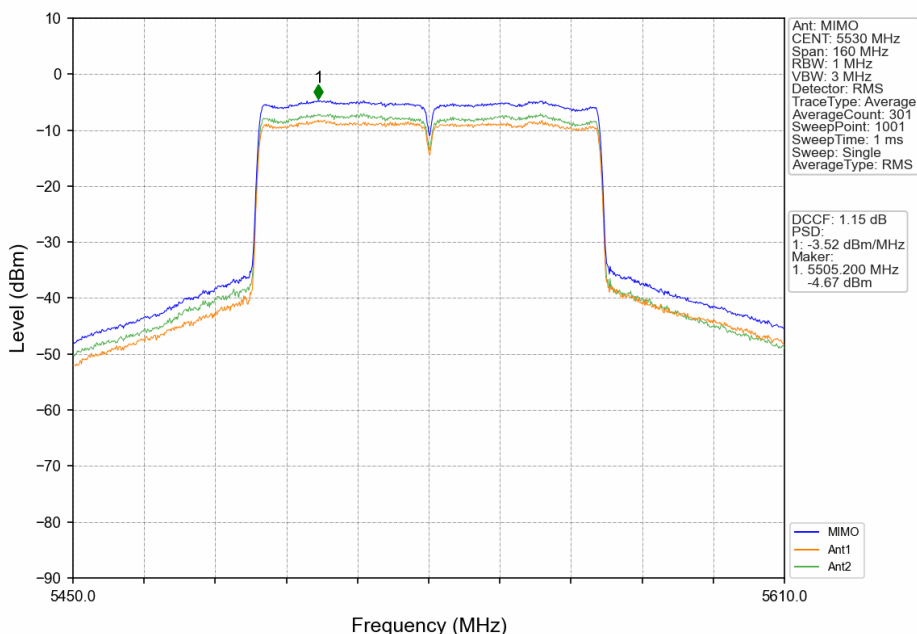
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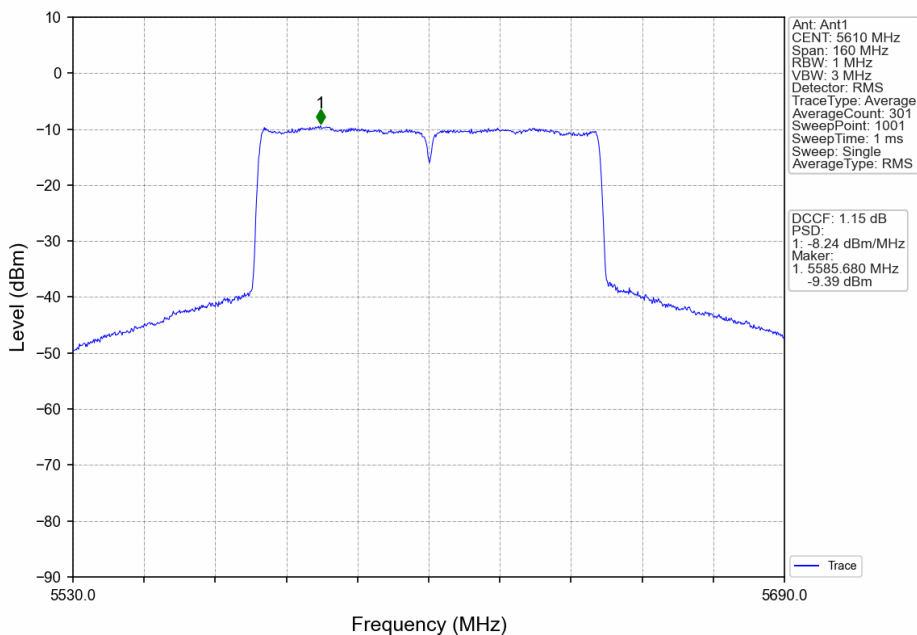
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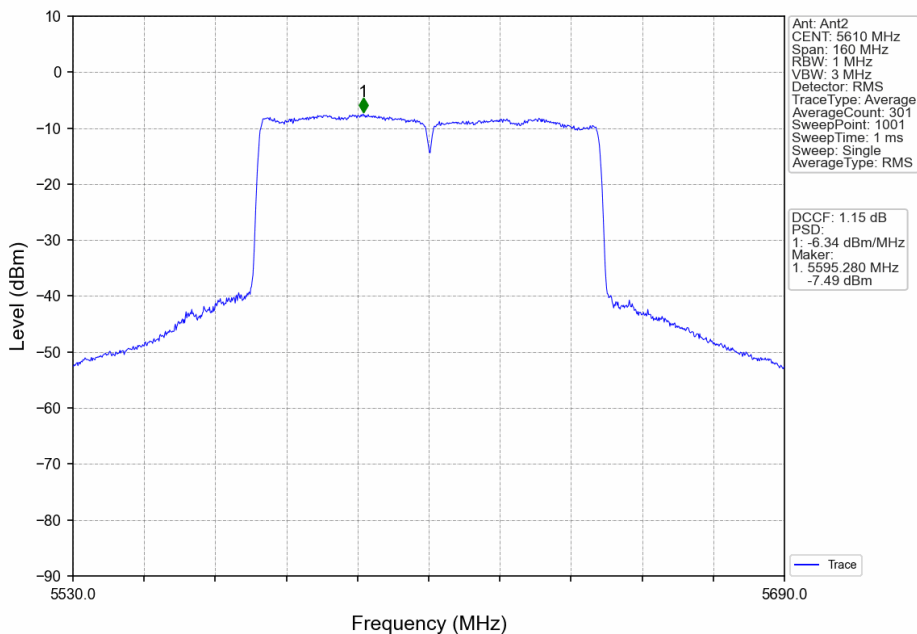
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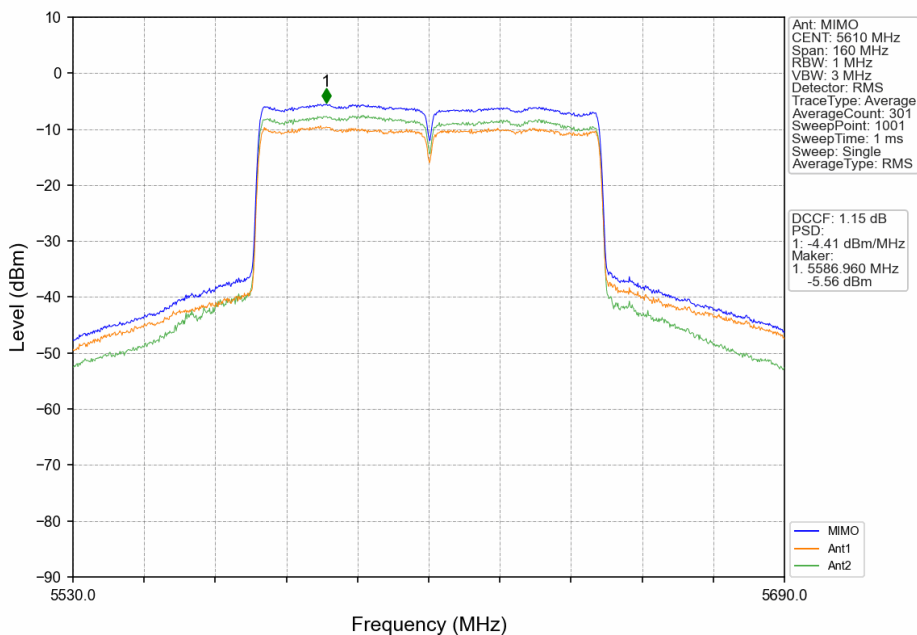
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802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV



802.11ac(VHT80)_HCH_5610MHz_MIMO_NTNV



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-2.16	0.10	/	<=11	Pass
		5785	-2.81	-0.18	/	<=11	Pass
		5825	-3.75	-0.73	/	<=11	Pass
802.11n (HT20)	MIMO	5745	-5.80	-4.86	-2.37	<=9.03	Pass
		5785	-6.37	-4.62	-2.49	<=9.03	Pass
		5825	-7.39	-5.02	-3.13	<=9.03	Pass
802.11n (HT40)	MIMO	5755	-8.56	-7.18	-4.84	<=9.03	Pass
		5795	-9.23	-7.03	-5.07	<=9.03	Pass
802.11ac (VHT80)	MIMO	5775	-12.86	-9.80	-8.42	<=9.03	Pass

Note1: Antenna Gain: Ant1: 5.50dBi; Ant 2: 4.38dBi;
 Note2: MIMO limit=SISO limit- Directional gain+6dBi
 Directional Gain: 7.97dBi

4.2.2 Test Graph

