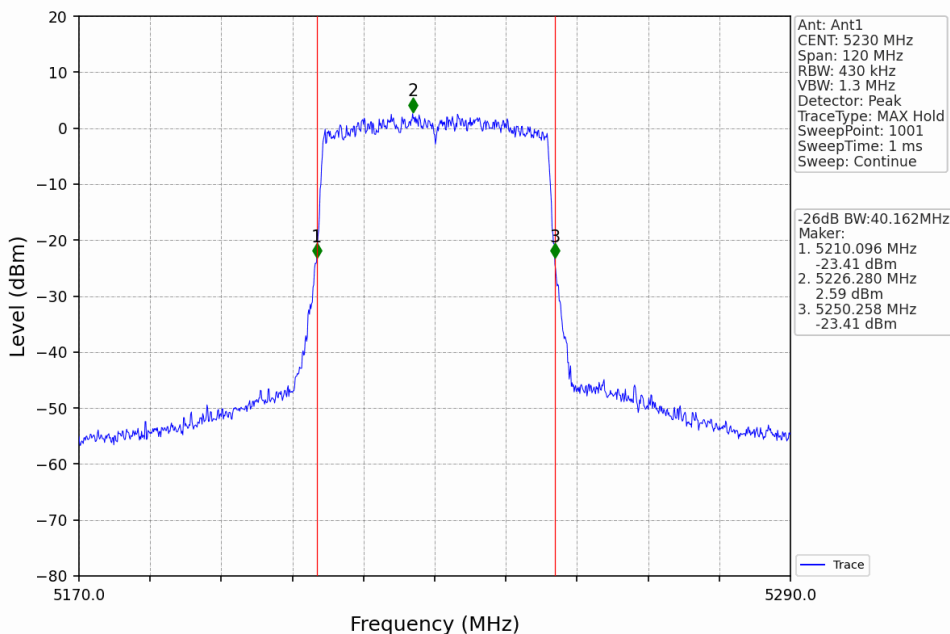
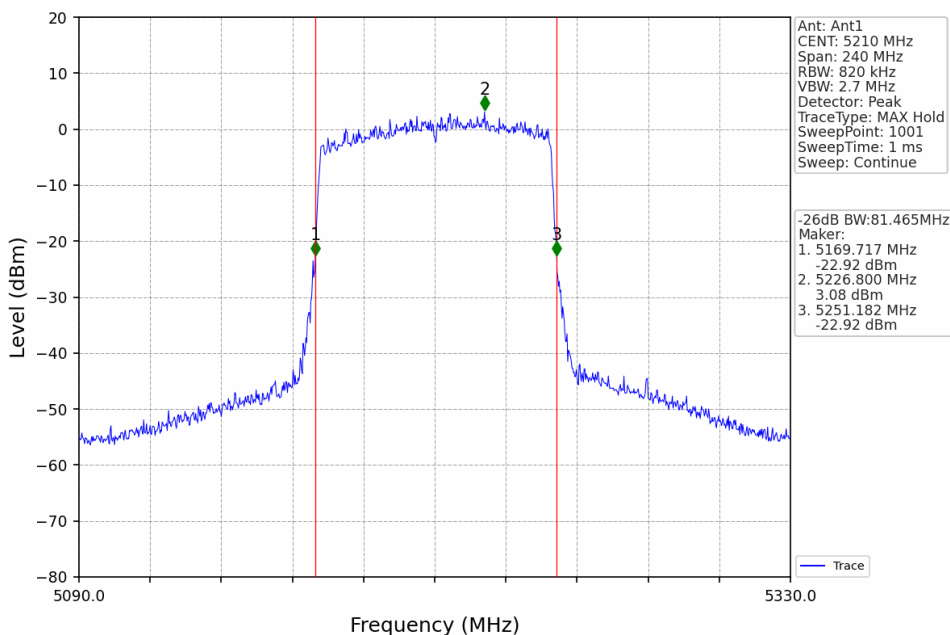


802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	15.57	15.45	/	<=23.98	Pass
		5200	/	/	15.66	15.18	/	<=23.98	Pass
		5240	/	/	15.61	15.42	/	<=23.98	Pass
802.11n (HT20)	MIMO	5180	/	/	11.75	12.50	15.15	<=23.98	Pass
		5200	/	/	11.83	11.22	14.55	<=23.98	Pass
		5240	/	/	12.61	11.41	15.06	<=23.98	Pass
802.11n (HT40)	MIMO	5190	/	/	11.77	11.81	14.80	<=23.98	Pass
		5230	/	/	12.97	11.68	15.38	<=23.98	Pass
802.11ac (VHT20)	MIMO	5180	/	/	9.70	10.57	13.17	<=23.98	Pass
		5200	/	/	10.80	10.25	13.54	<=23.98	Pass
		5240	/	/	11.64	10.41	14.08	<=23.98	Pass
802.11ac (VHT40)	MIMO	5190	/	/	10.74	10.82	13.79	<=23.98	Pass
		5230	/	/	11.95	10.67	14.37	<=23.98	Pass
802.11ac (VHT80)	MIMO	5210	/	/	11.46	10.91	14.20	<=23.98	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	8.77	9.71	12.28	<=23.98	Pass
		5200	RU242	Left	9.89	9.58	12.75	<=23.98	Pass
		5240	RU242	Left	10.75	9.68	13.26	<=23.98	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	9.54	9.85	12.71	<=23.98	Pass
		5230	RU484	Left	10.74	9.65	13.24	<=23.98	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	10.39	10.01	13.21	<=23.98	Pass

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	4.84	5.47	/	<=11	Pass
		5200	/	/	4.91	5.12	/	<=11	Pass
		5240	/	/	4.99	5.33	/	<=10.12	Pass
802.11n (HT20)	MIMO	5180	/	/	0.54	1.21	3.79	<=10.12	Pass
		5200	/	/	0.60	0.10	3.24	<=10.12	Pass
		5240	/	/	1.53	0.31	3.79	<=10.12	Pass
802.11n (HT40)	MIMO	5190	/	/	-2.31	-2.39	0.39	<=10.12	Pass
		5230	/	/	-1.27	-2.62	0.98	<=10.12	Pass
802.11ac (VHT20)	MIMO	5180	/	/	-1.56	-0.58	1.74	<=10.12	Pass
		5200	/	/	-0.34	-1.15	2.10	<=10.12	Pass
		5240	/	/	0.40	-0.87	2.70	<=10.12	Pass
802.11ac (VHT40)	MIMO	5190	/	/	-3.44	-3.36	-0.55	<=10.12	Pass
		5230	/	/	-2.28	-3.48	0.12	<=10.12	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-5.61	-6.63	-3.13	<=10.12	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	-2.73	-1.74	0.68	<=10.12	Pass
		5200	RU242	Left	-1.52	-1.79	1.20	<=10.12	Pass
		5240	RU242	Left	-0.76	-1.71	1.67	<=10.12	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	-4.77	-4.24	-1.84	<=10.12	Pass
		5230	RU484	Left	-3.70	-4.72	-1.33	<=10.12	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	-6.88	-7.69	-4.47	<=10.12	Pass



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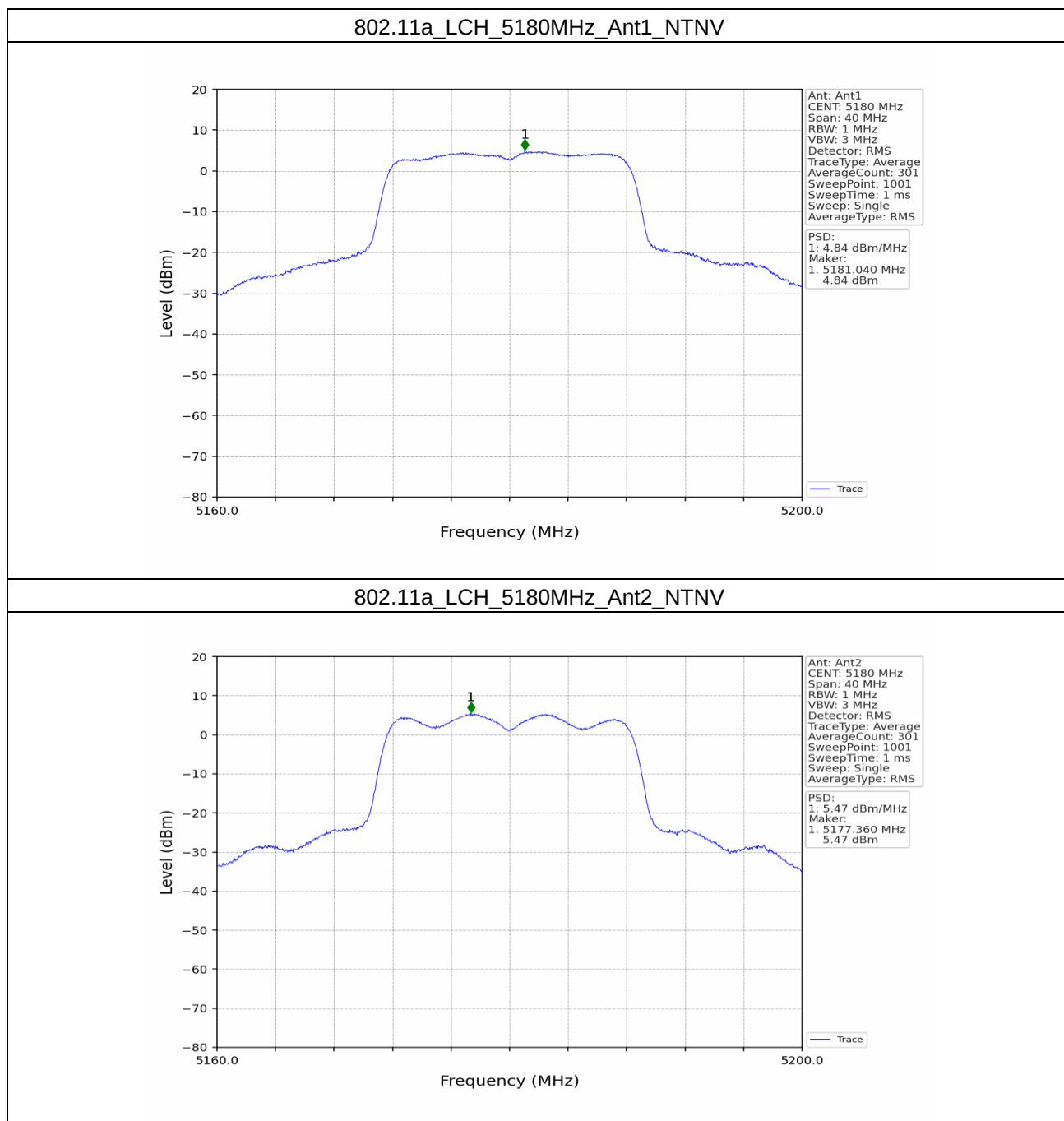
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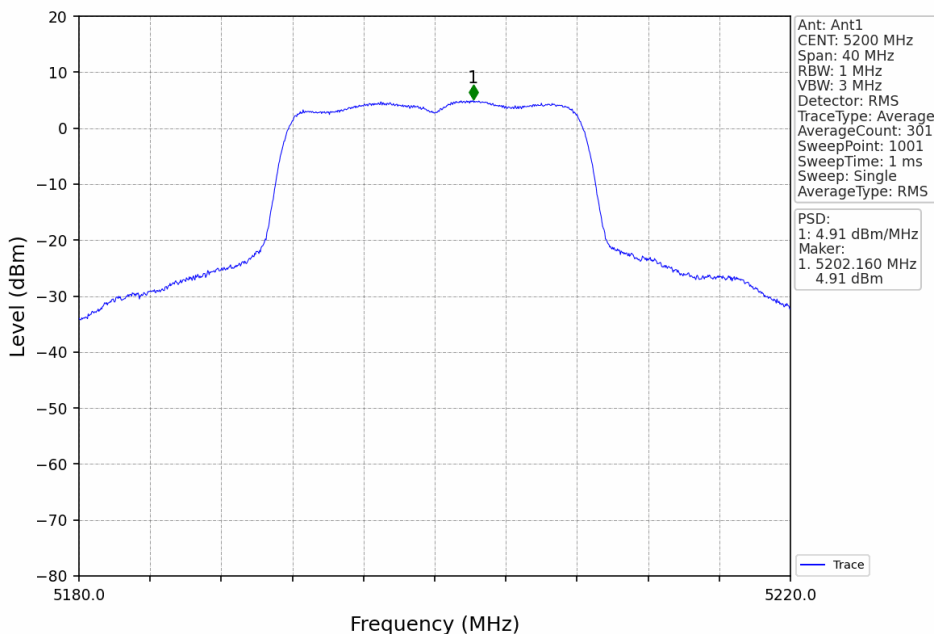
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4.2 Test Graph

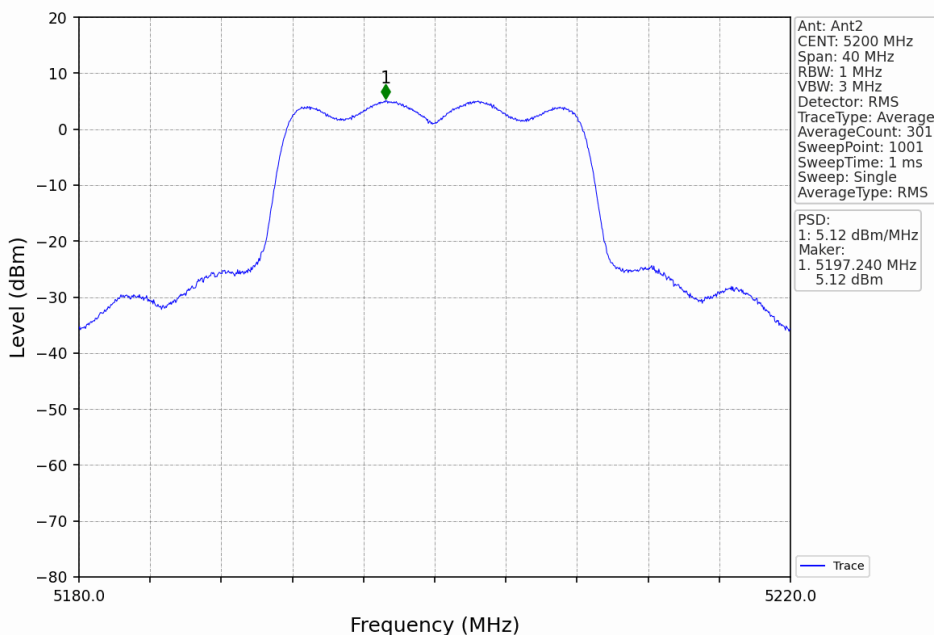
4.2.1 PSD



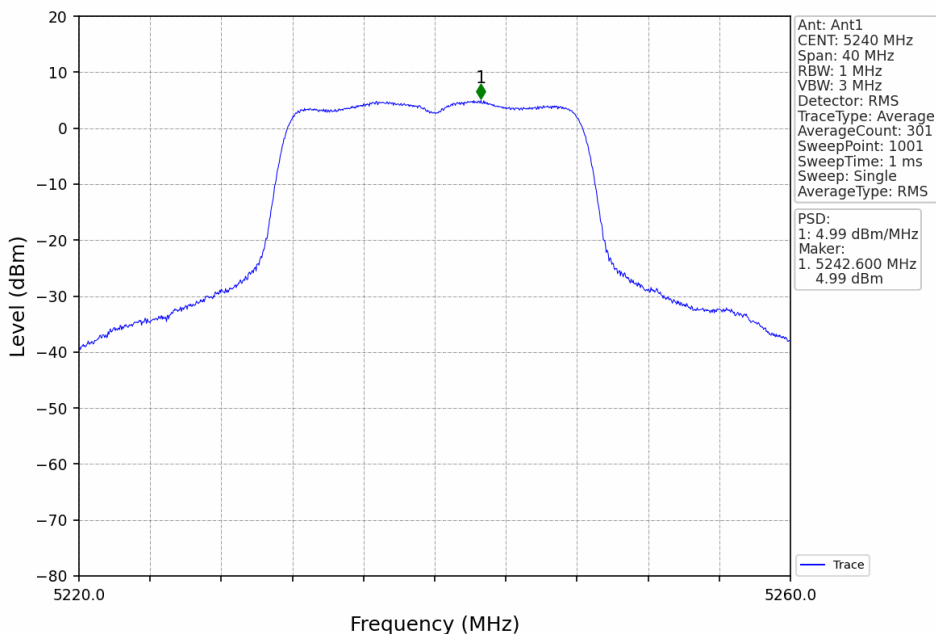
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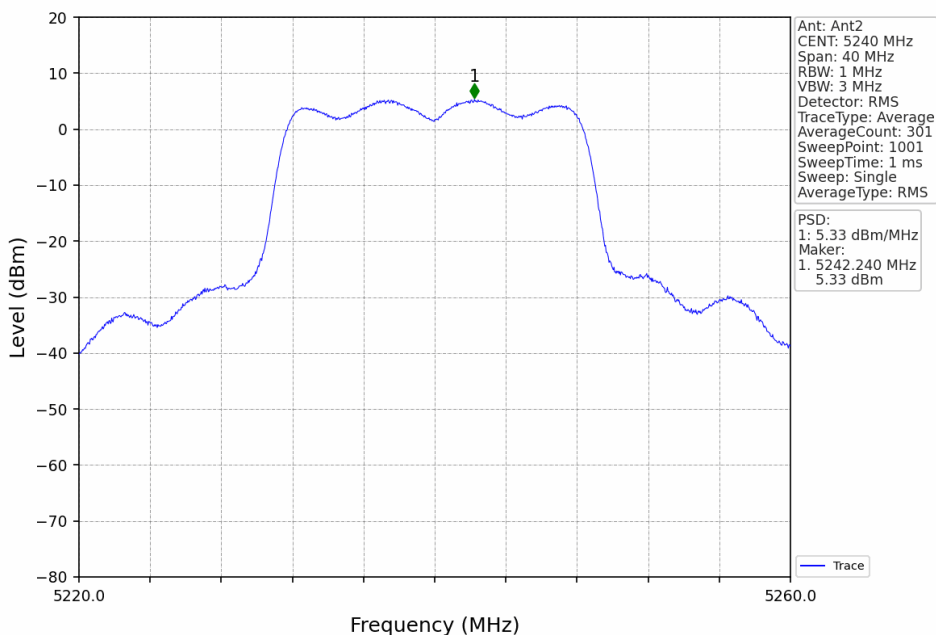
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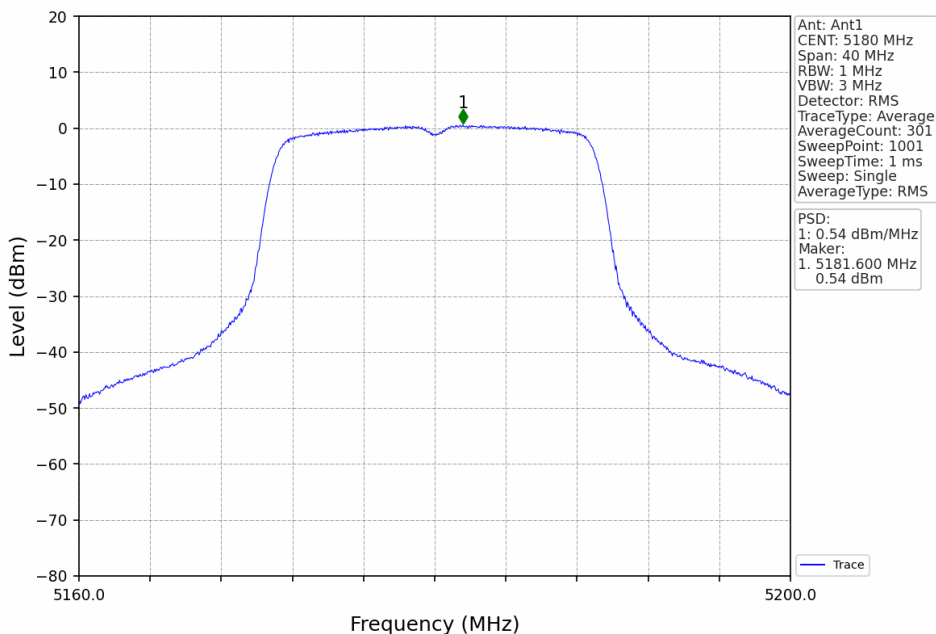
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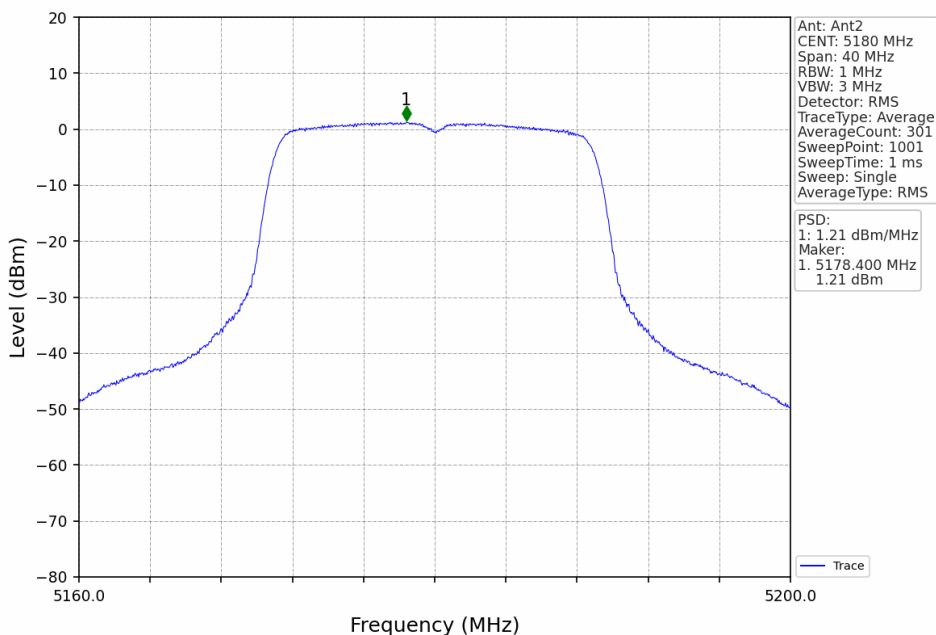
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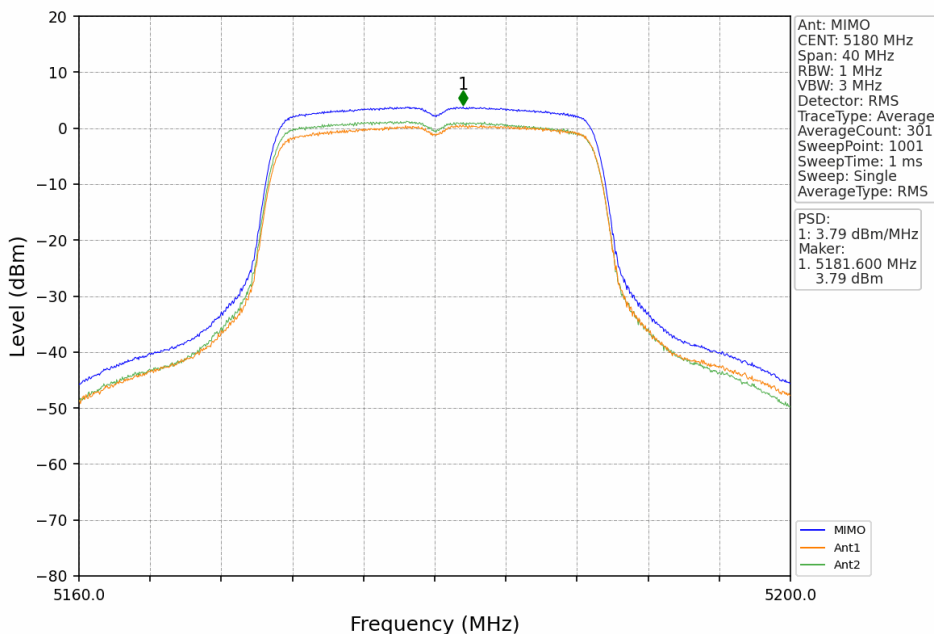
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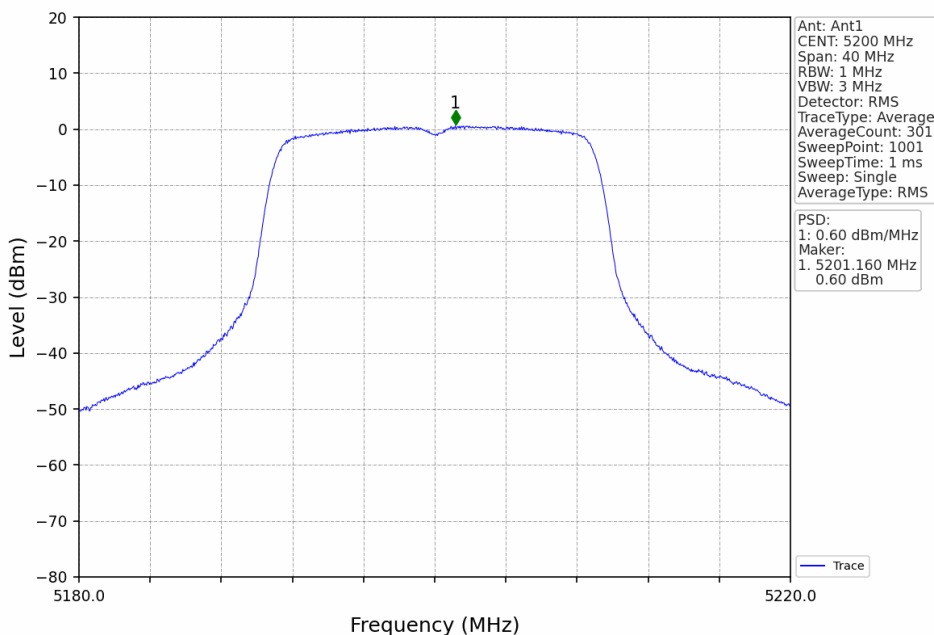
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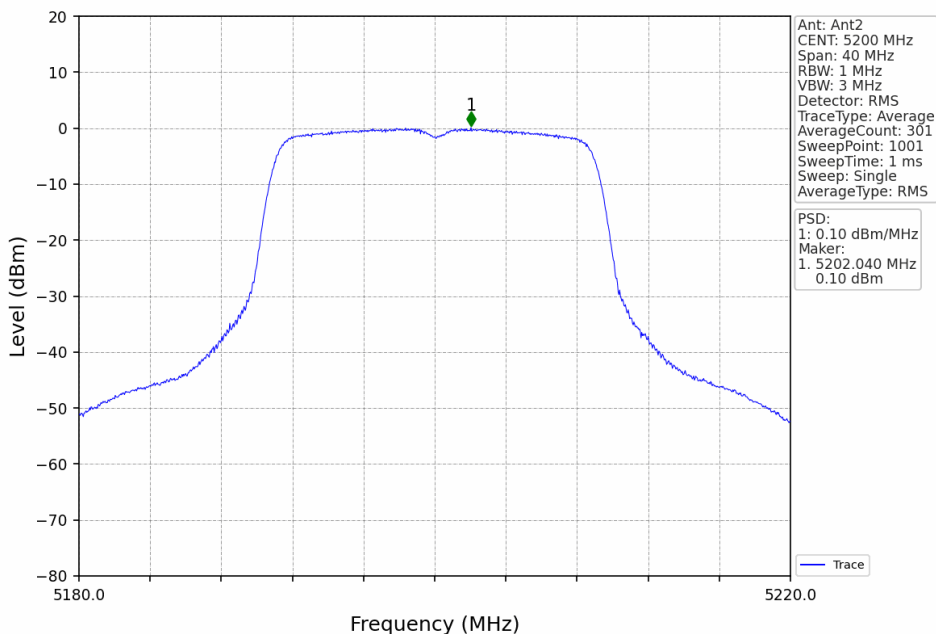
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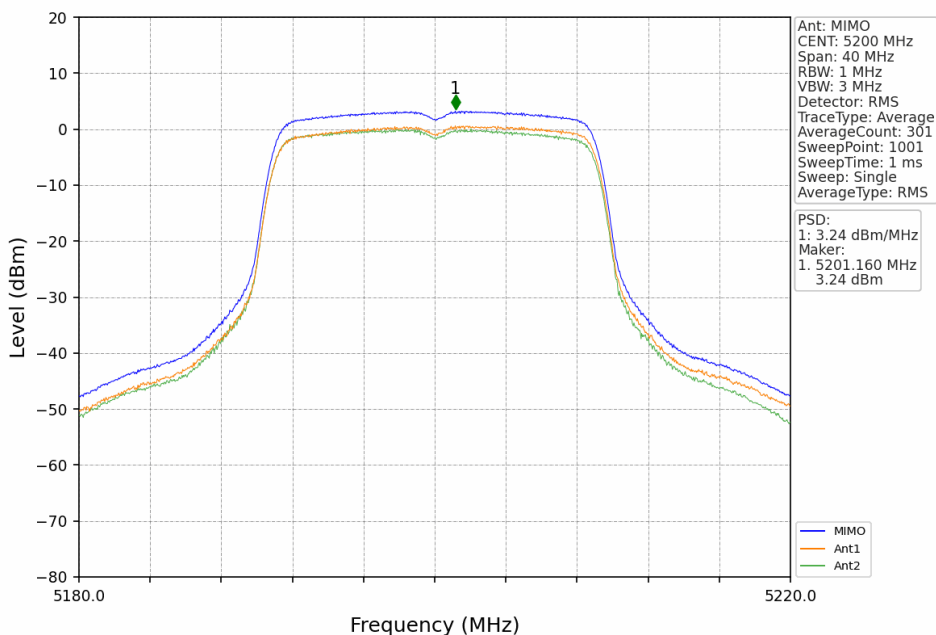
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802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



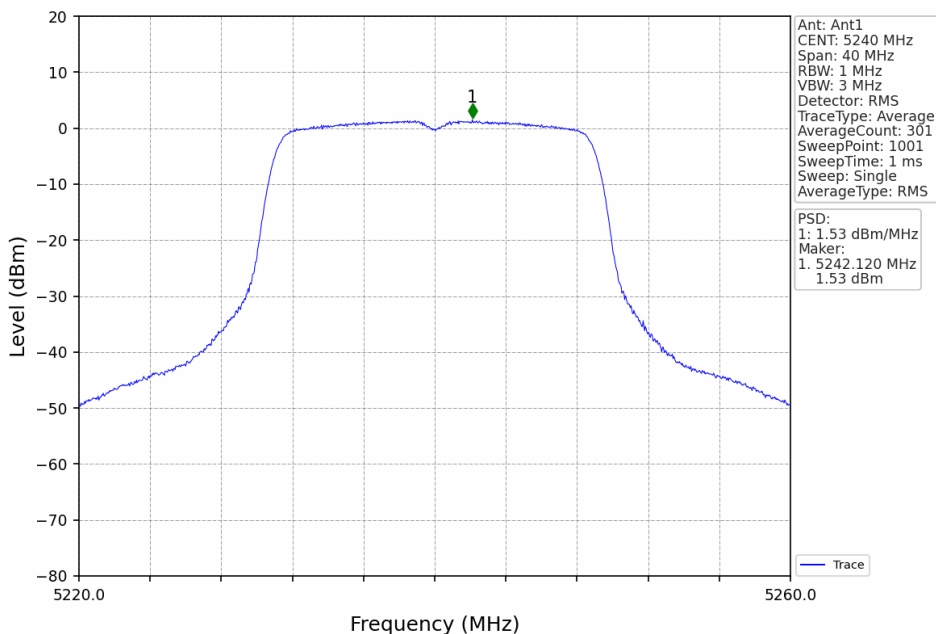
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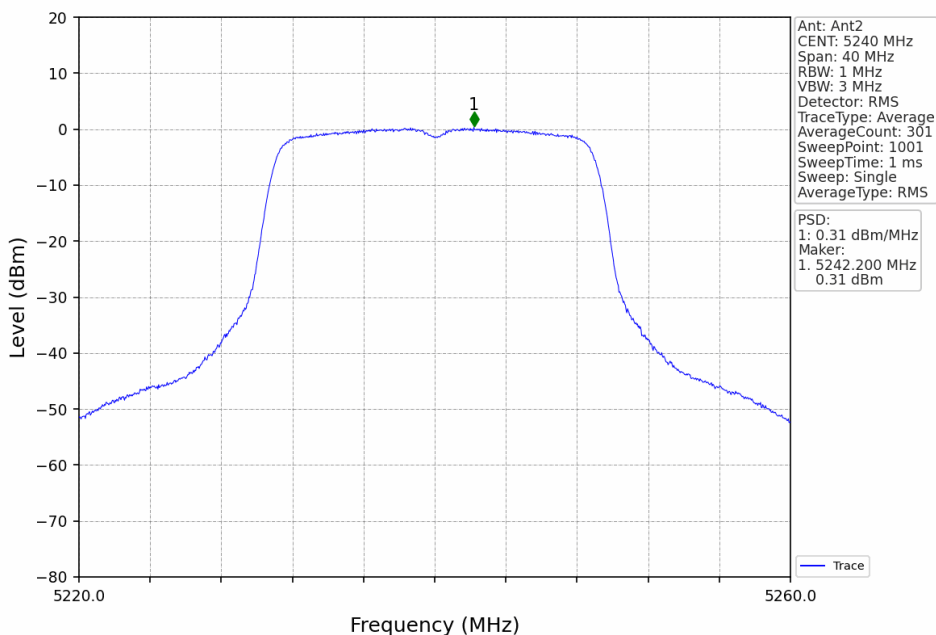
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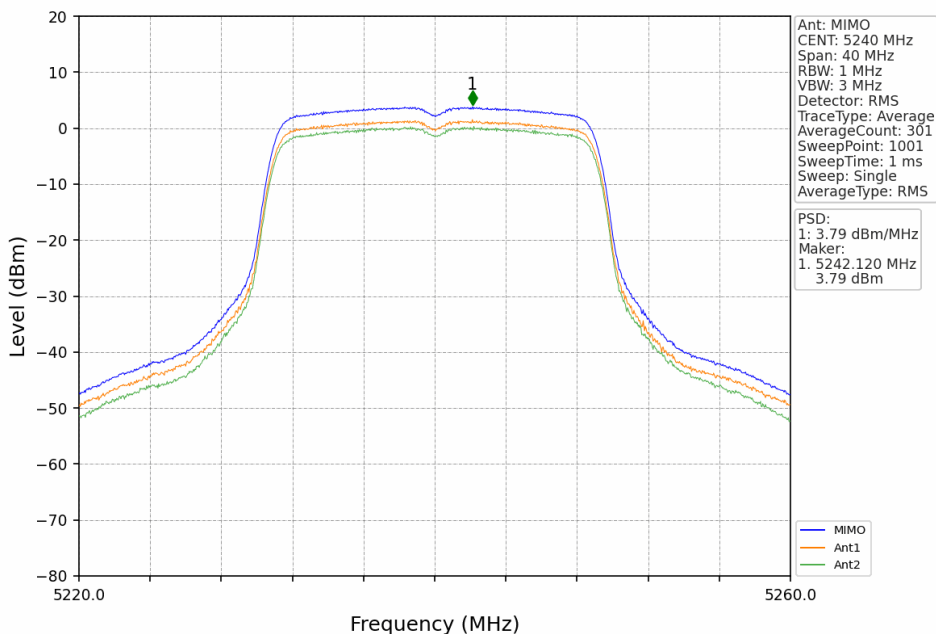
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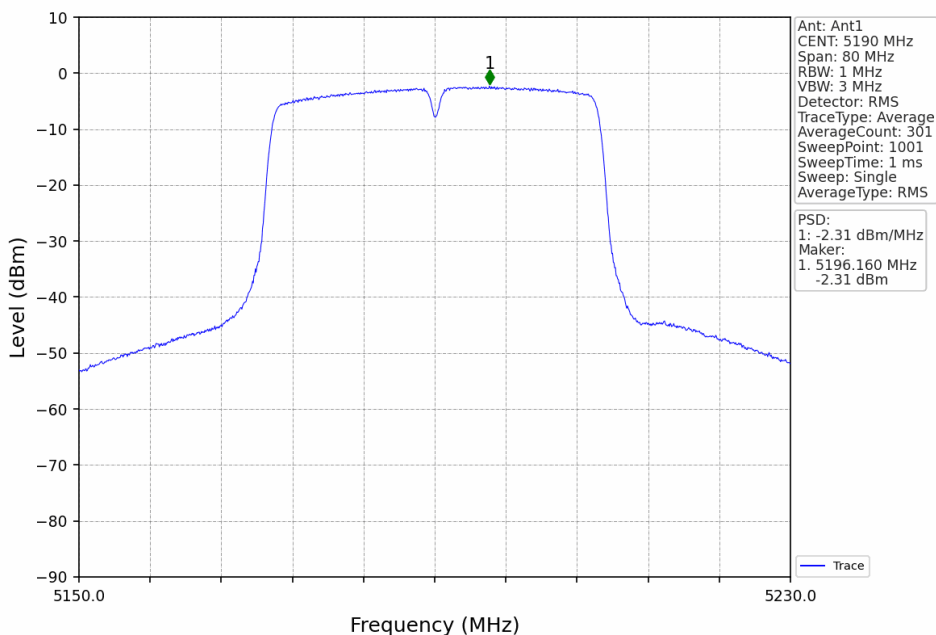
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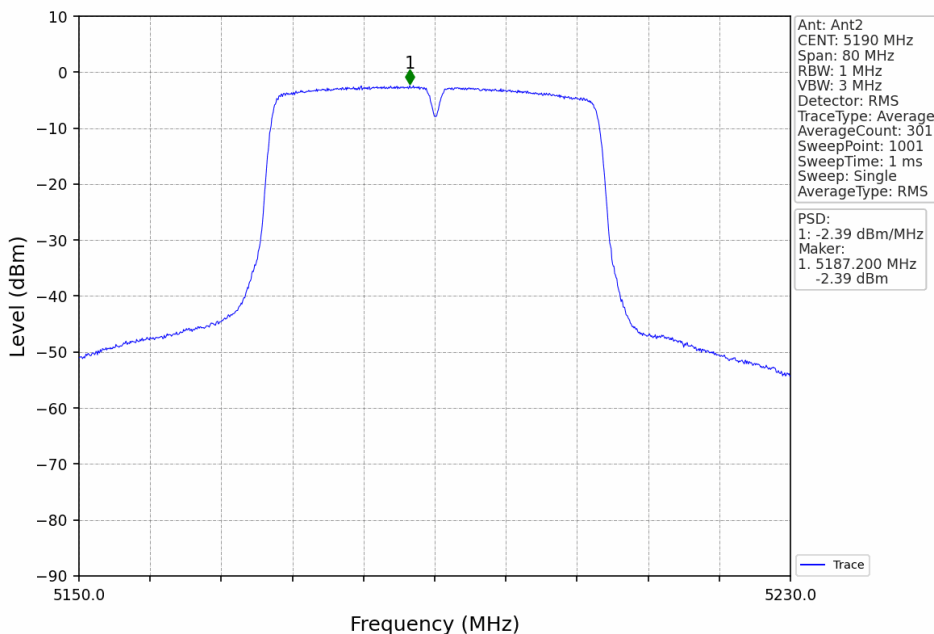
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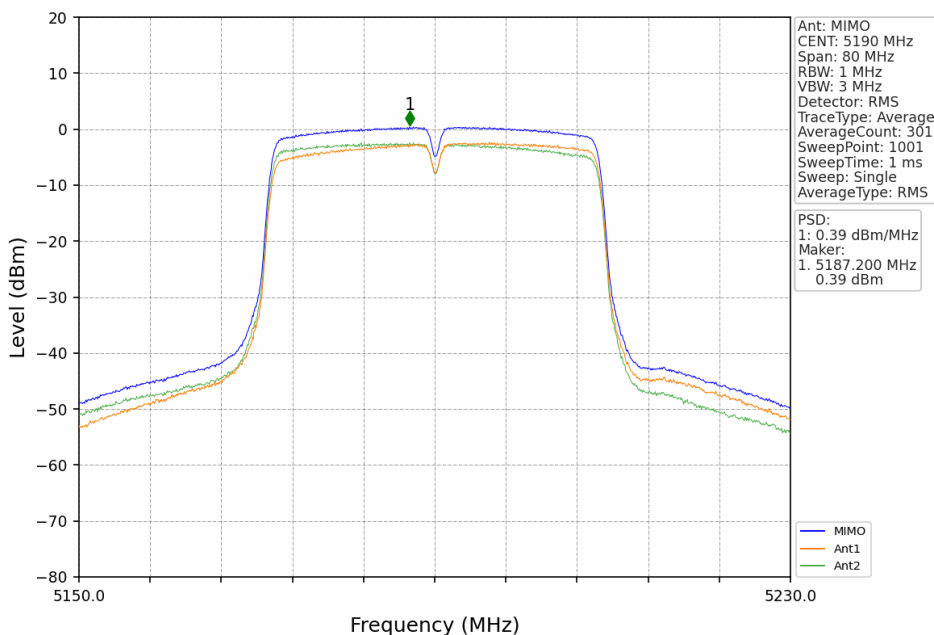
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802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



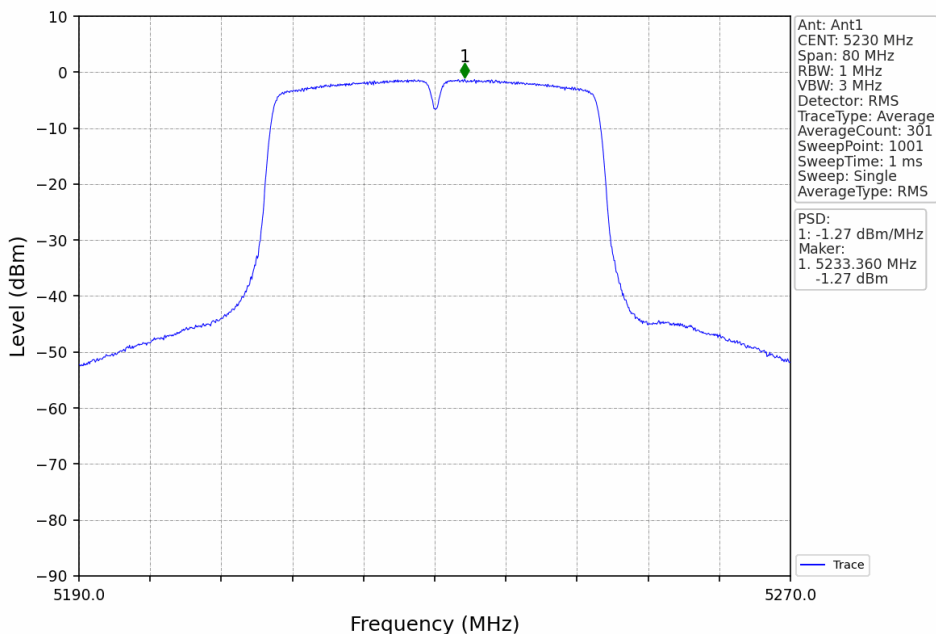
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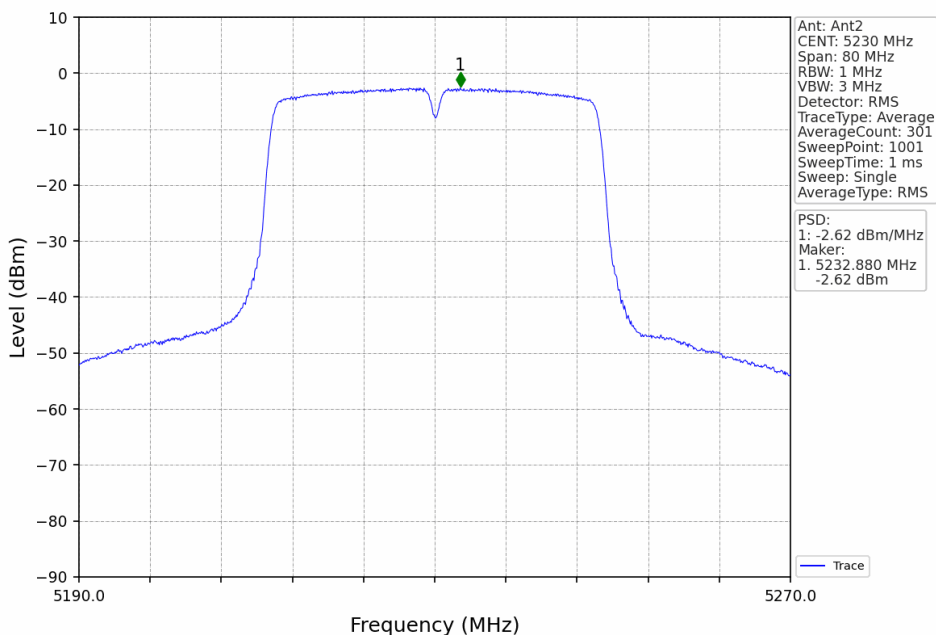
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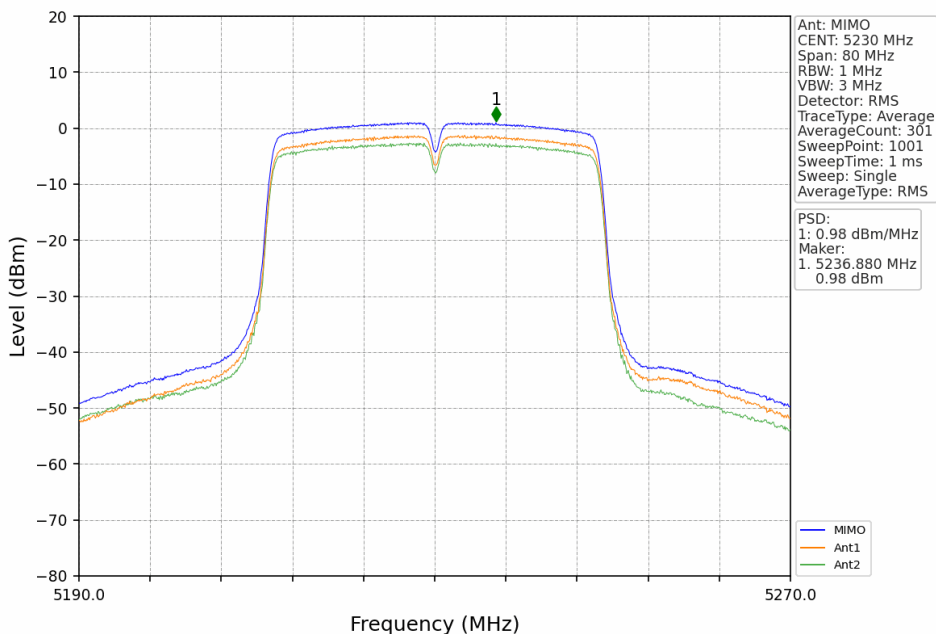
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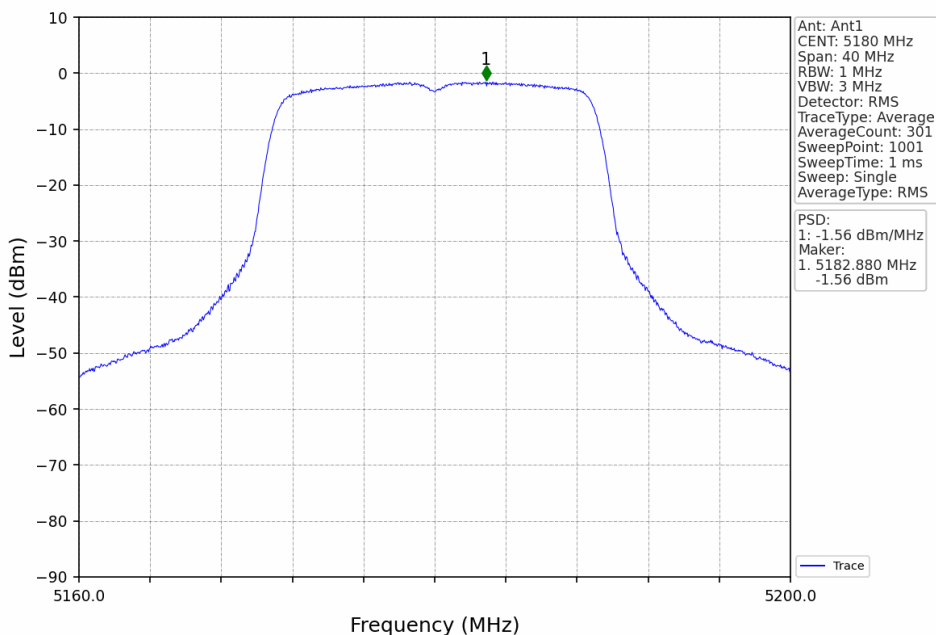
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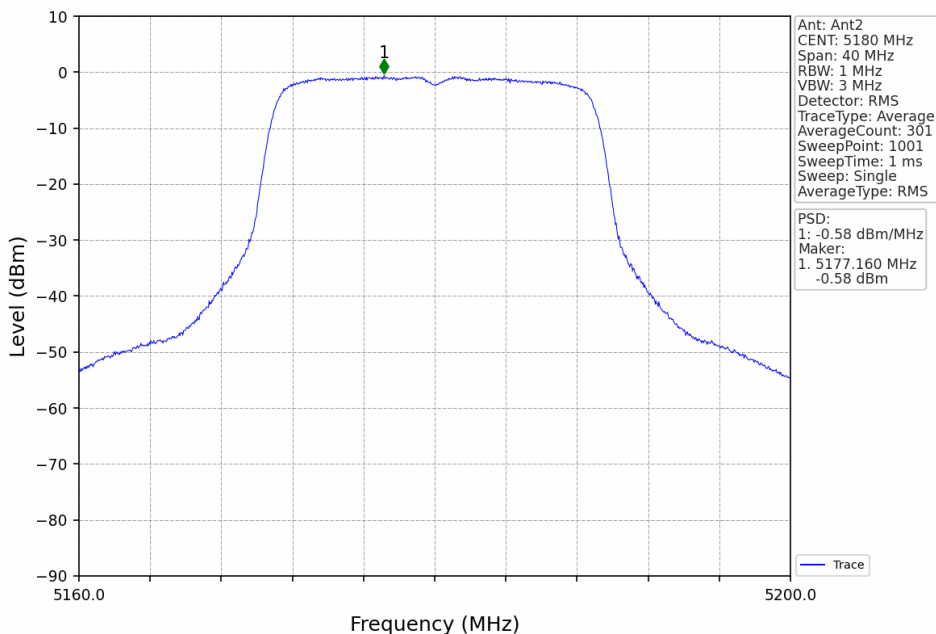
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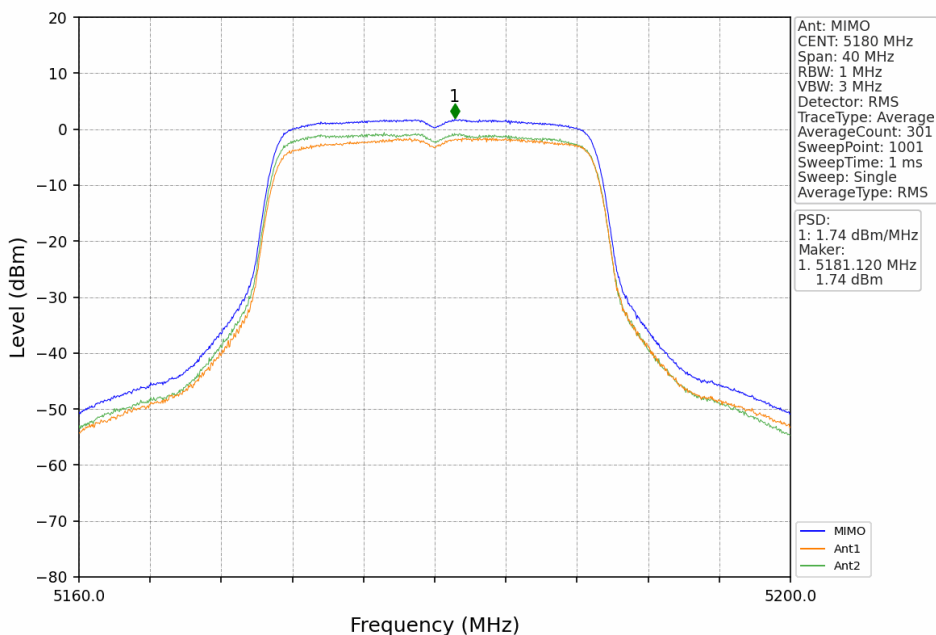
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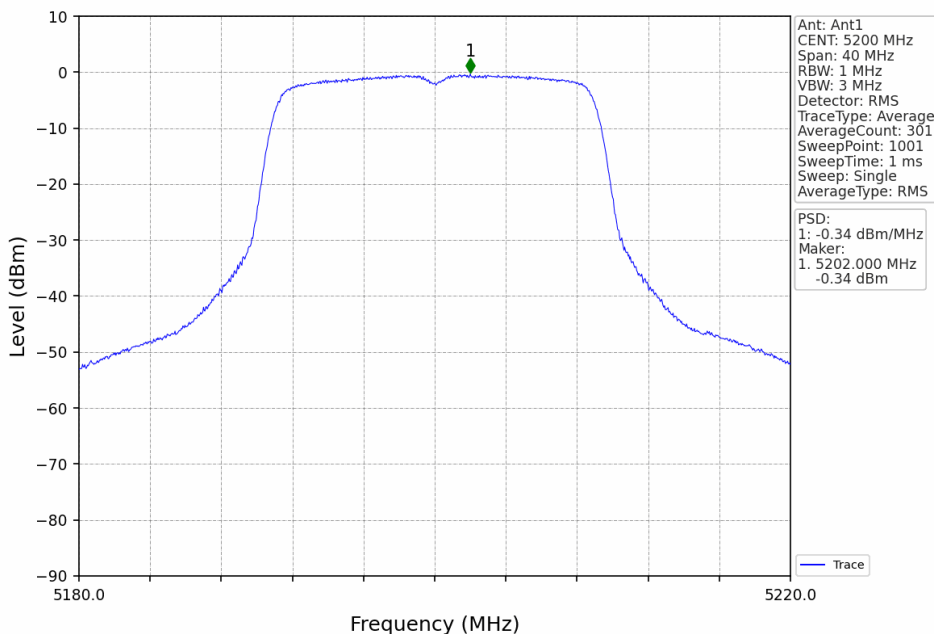
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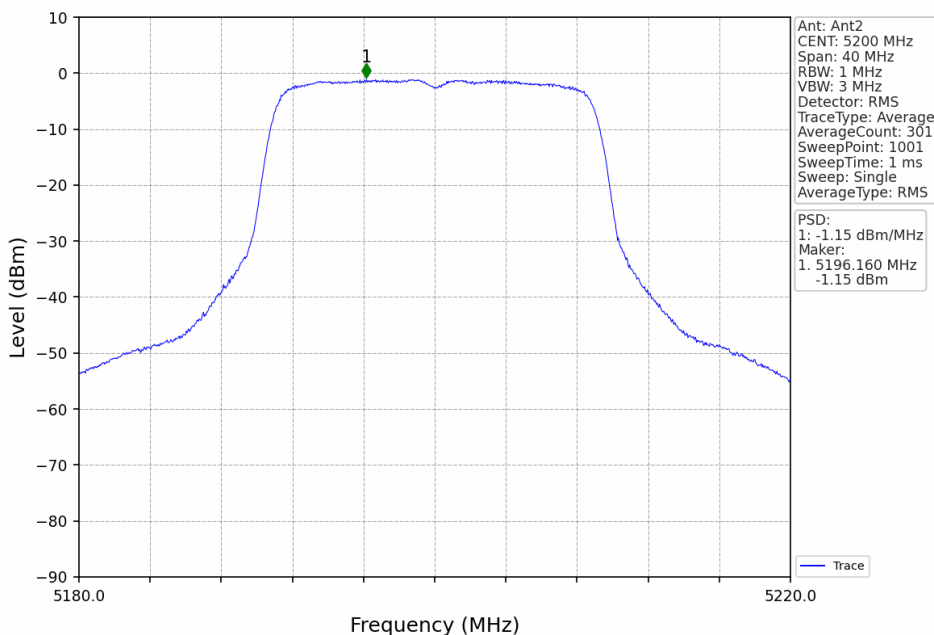
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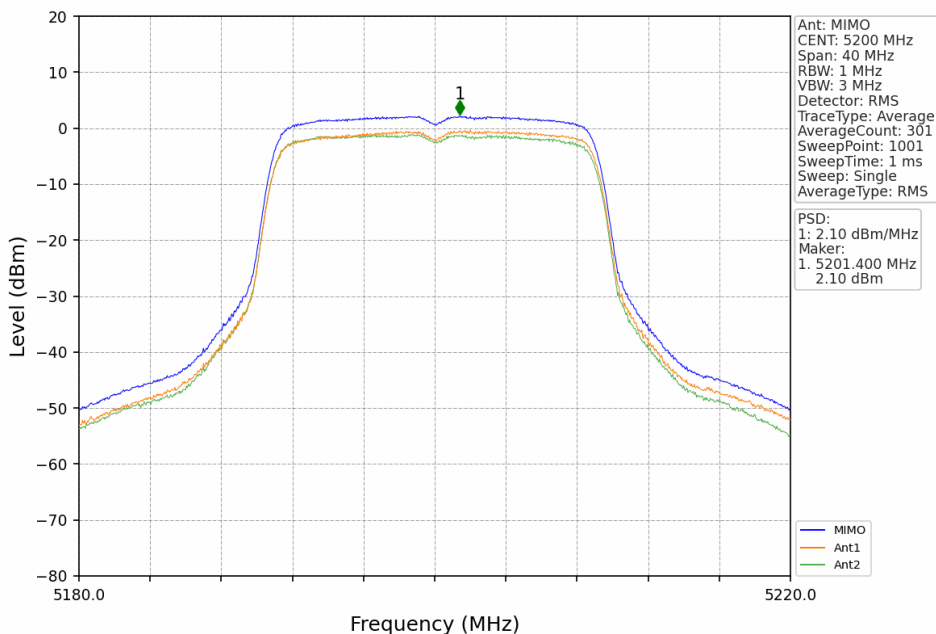
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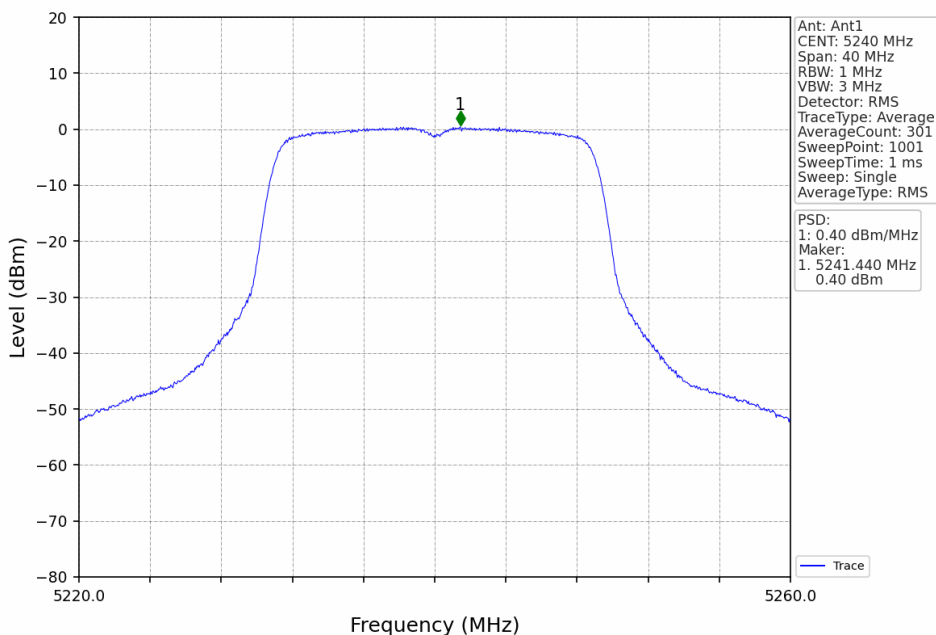
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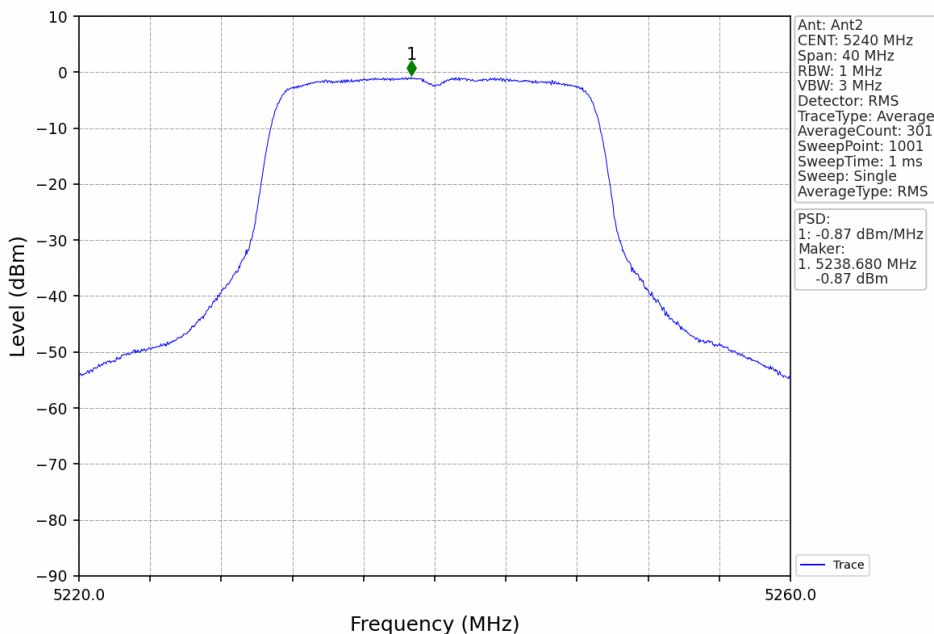
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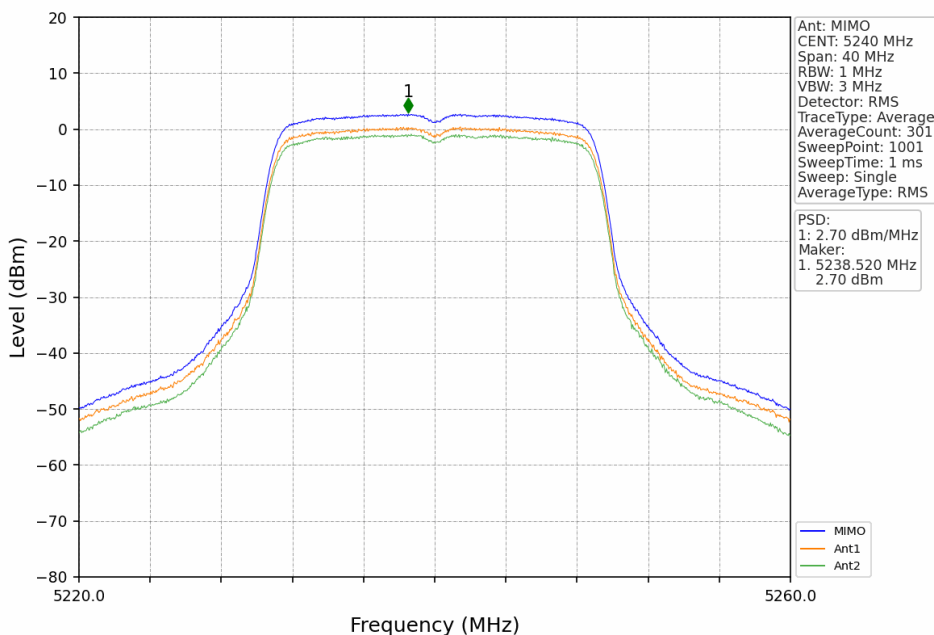
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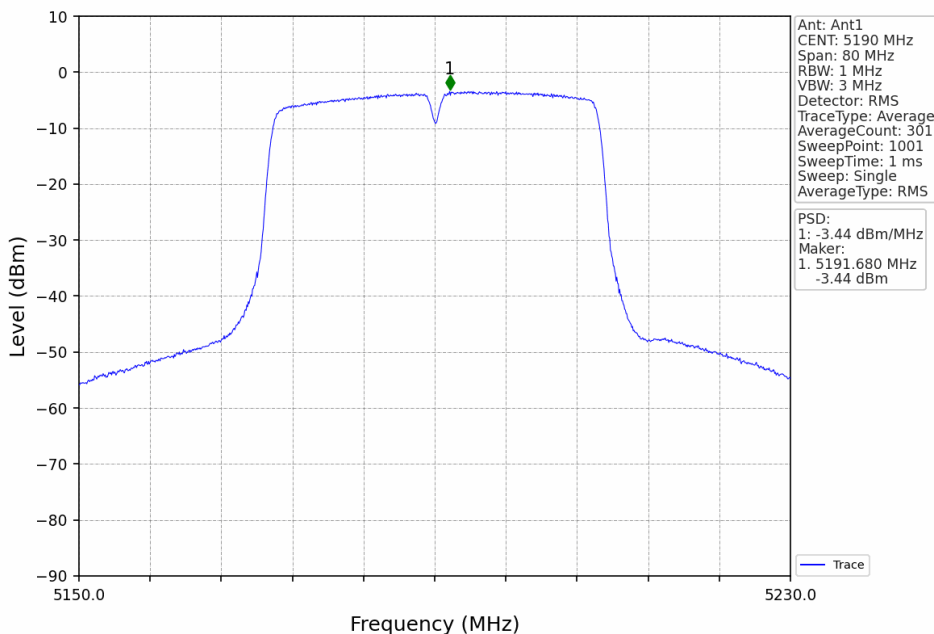
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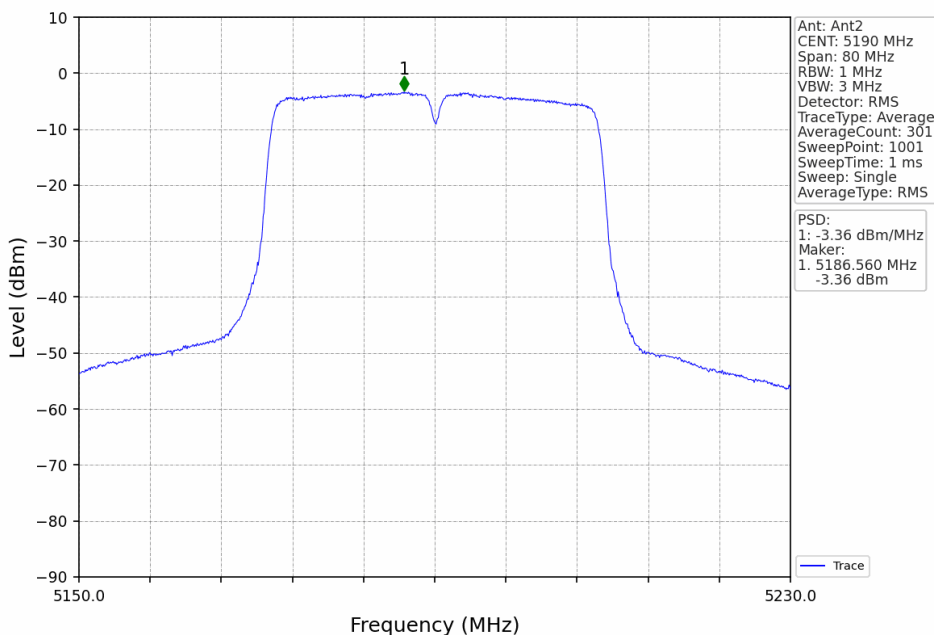
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



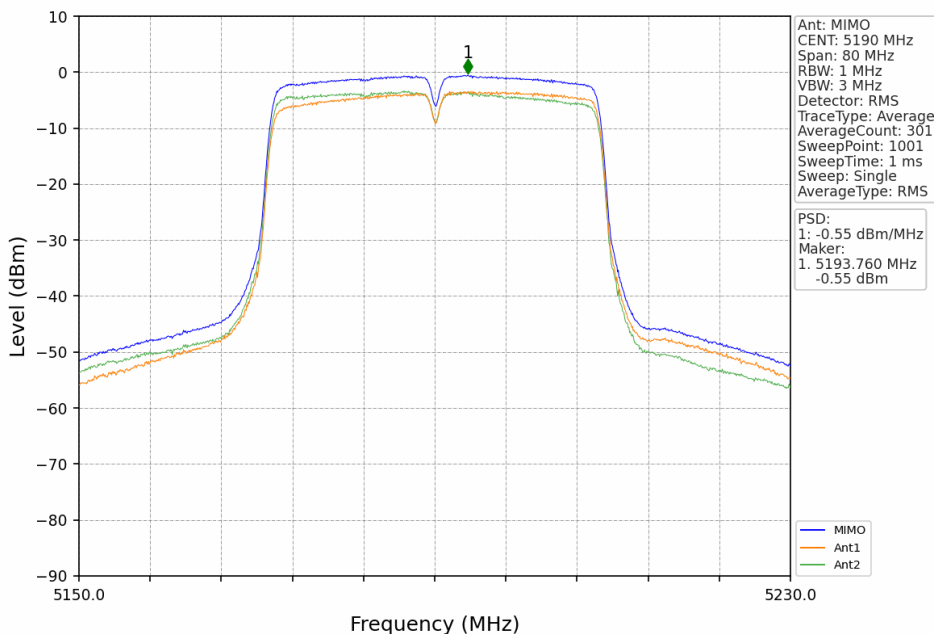
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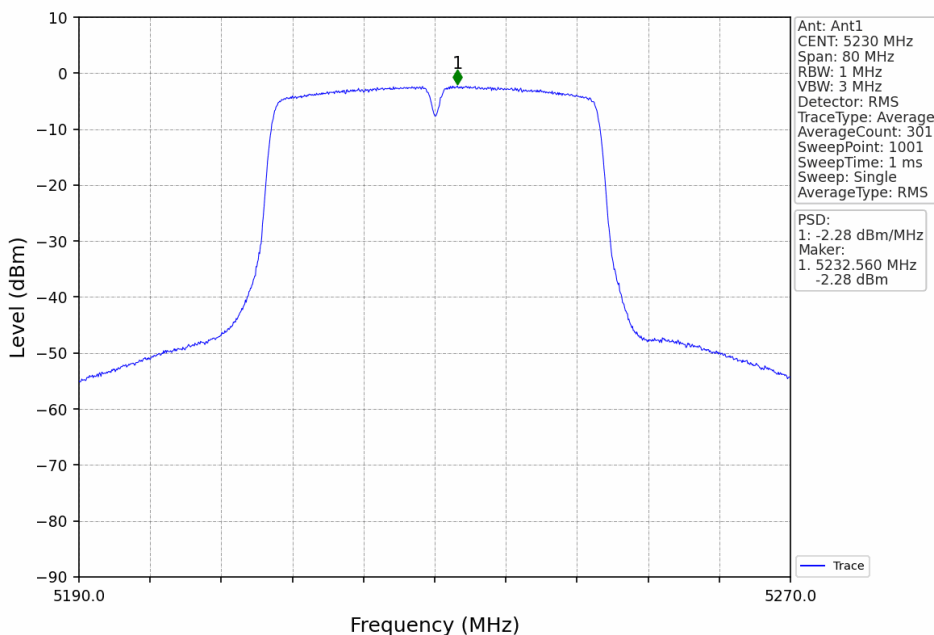
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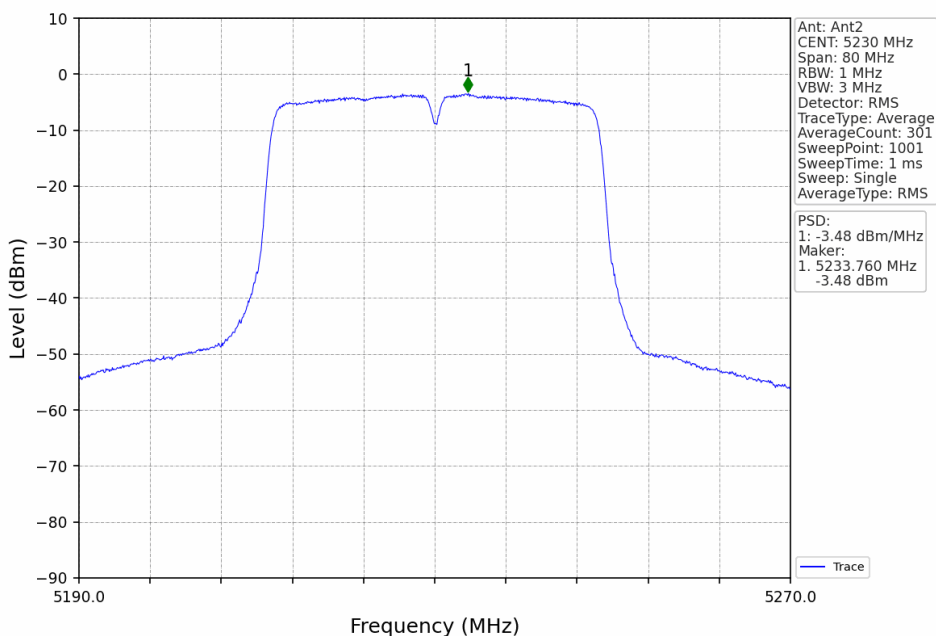
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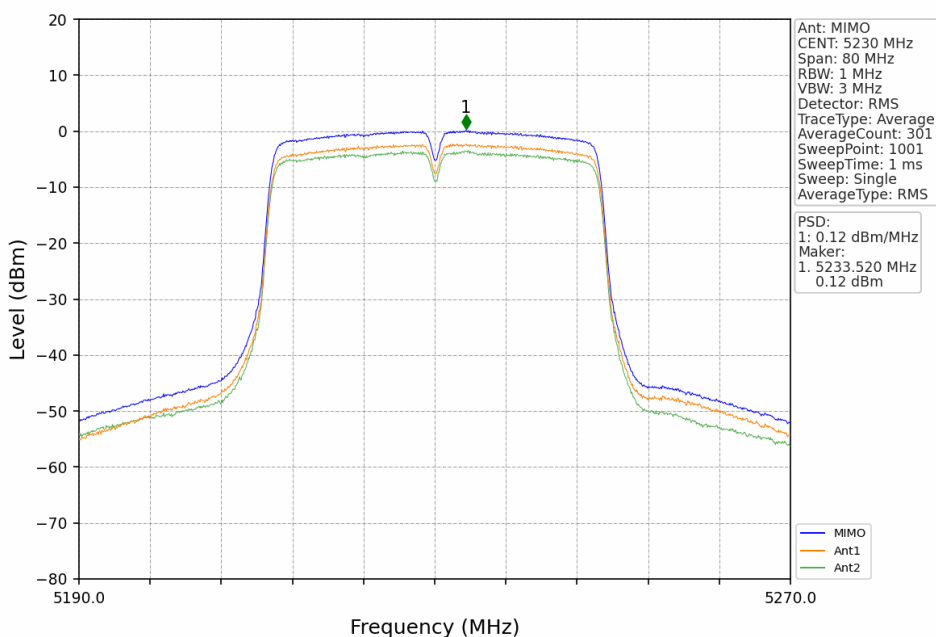
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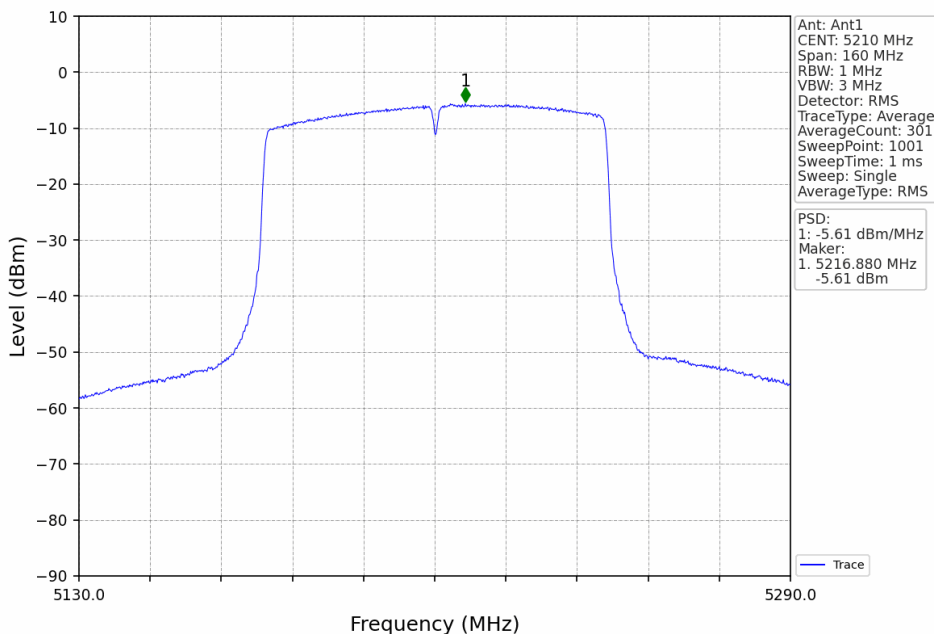
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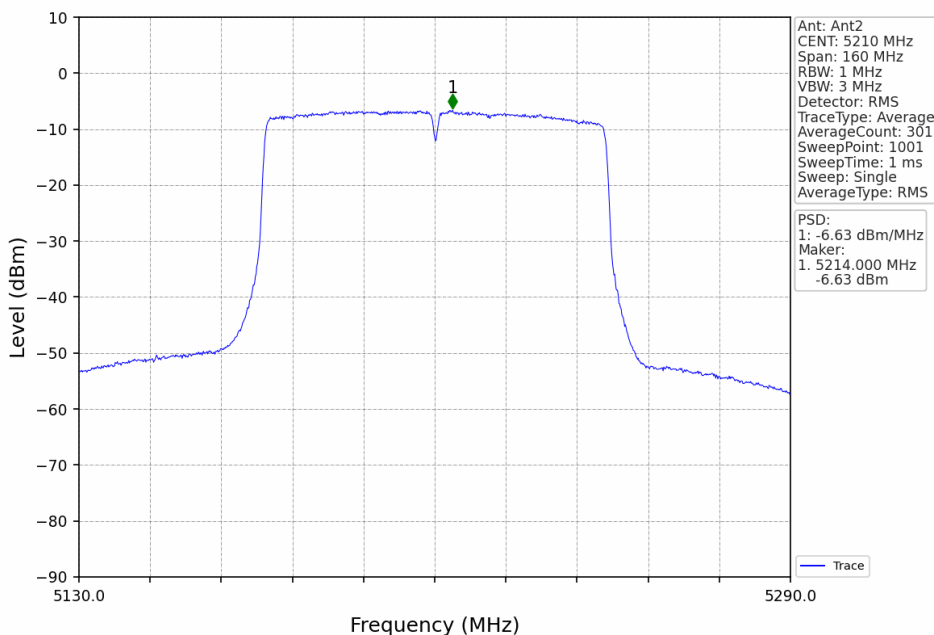
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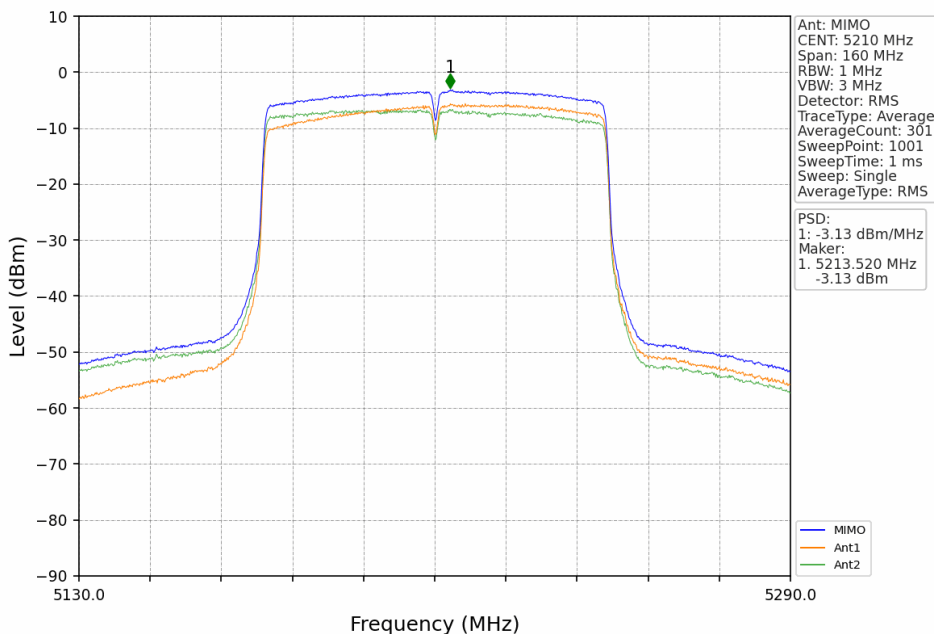
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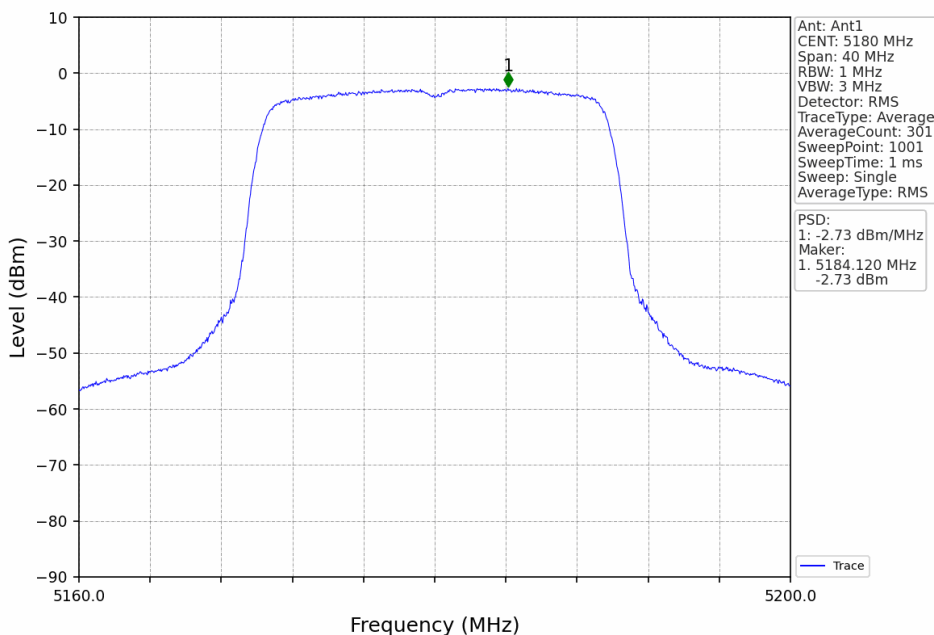
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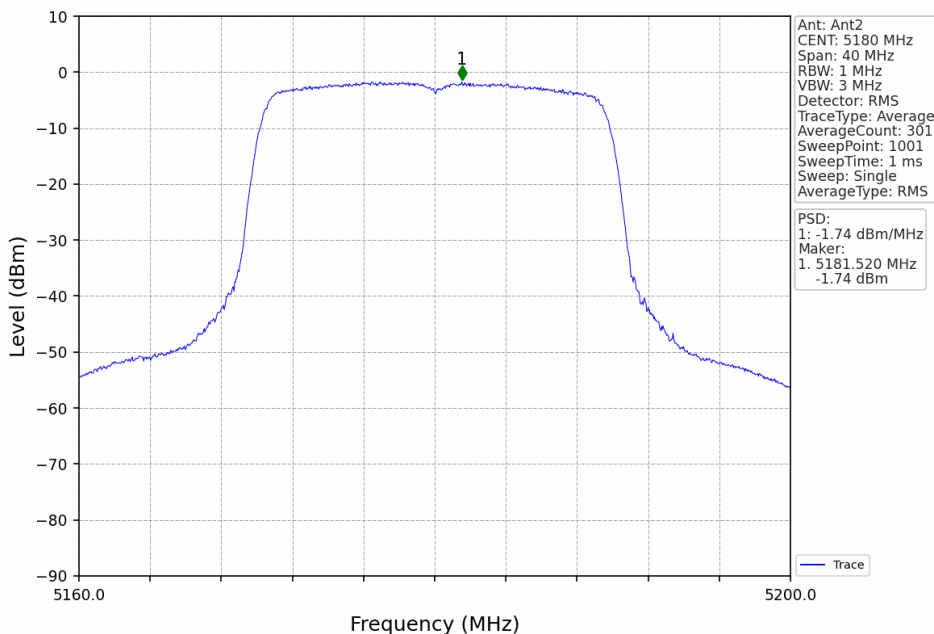
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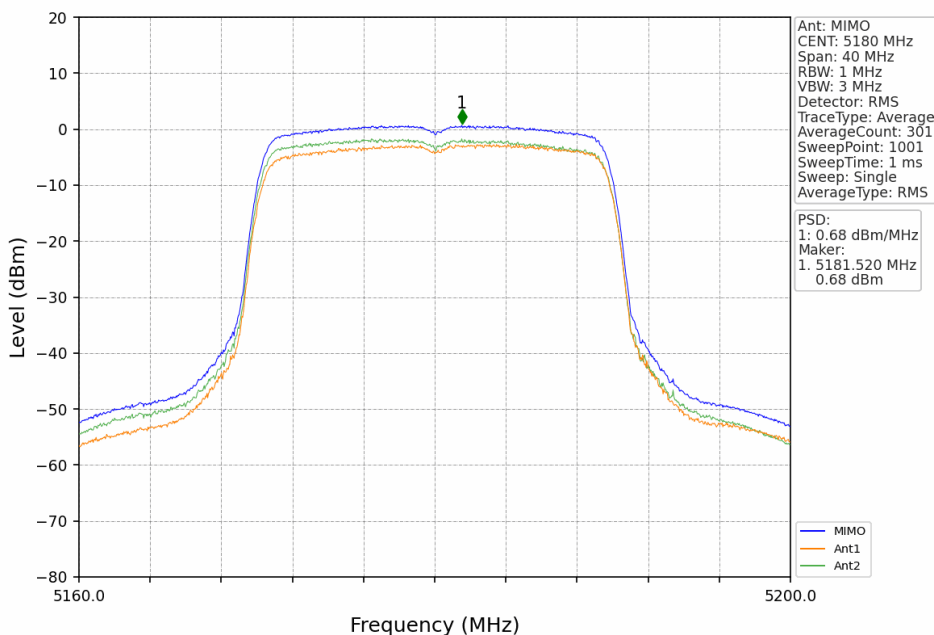
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802.11ax(HEW20)_LCH_5180MHz_RU242_Left_MIMO_NTNV



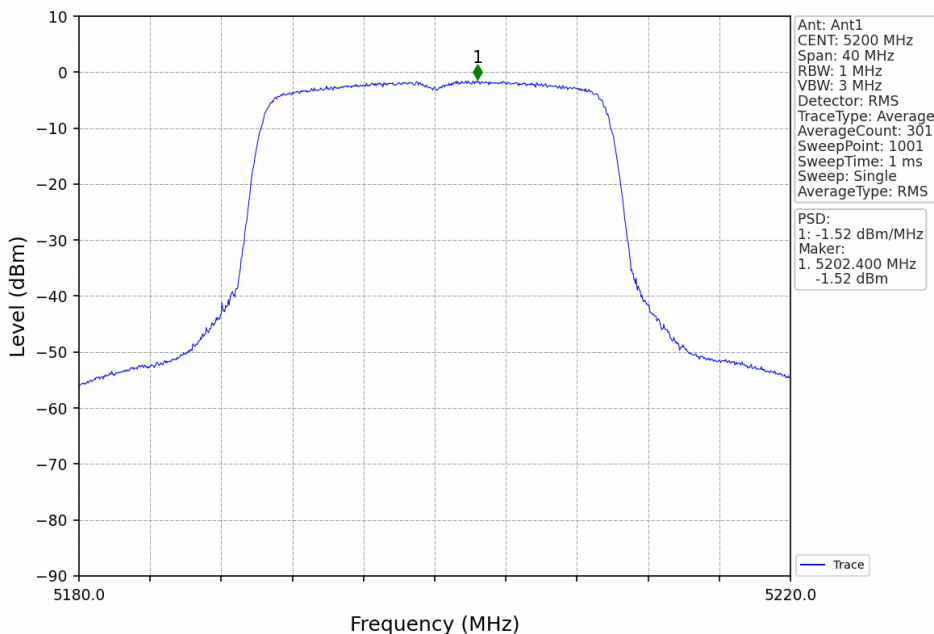
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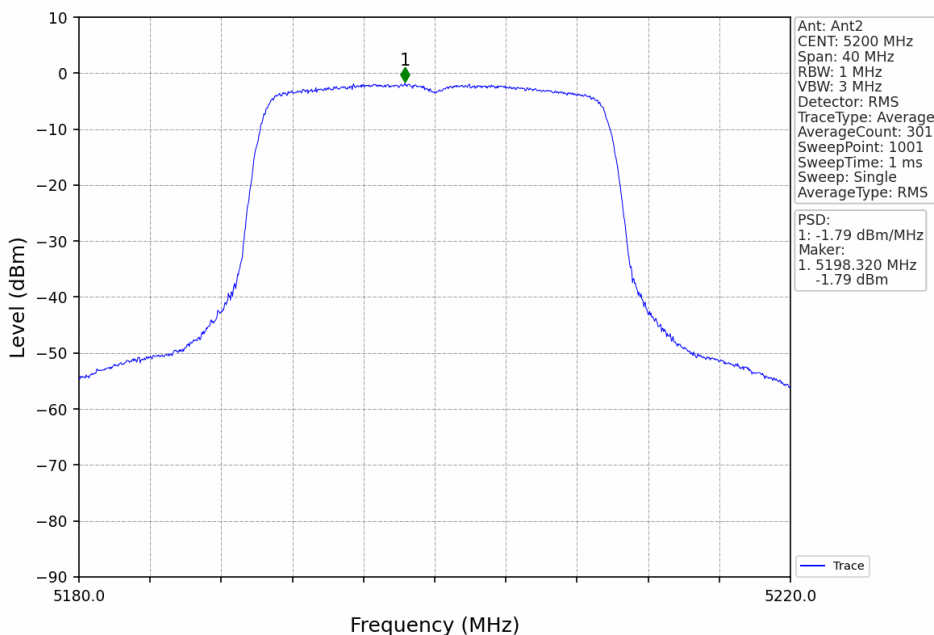
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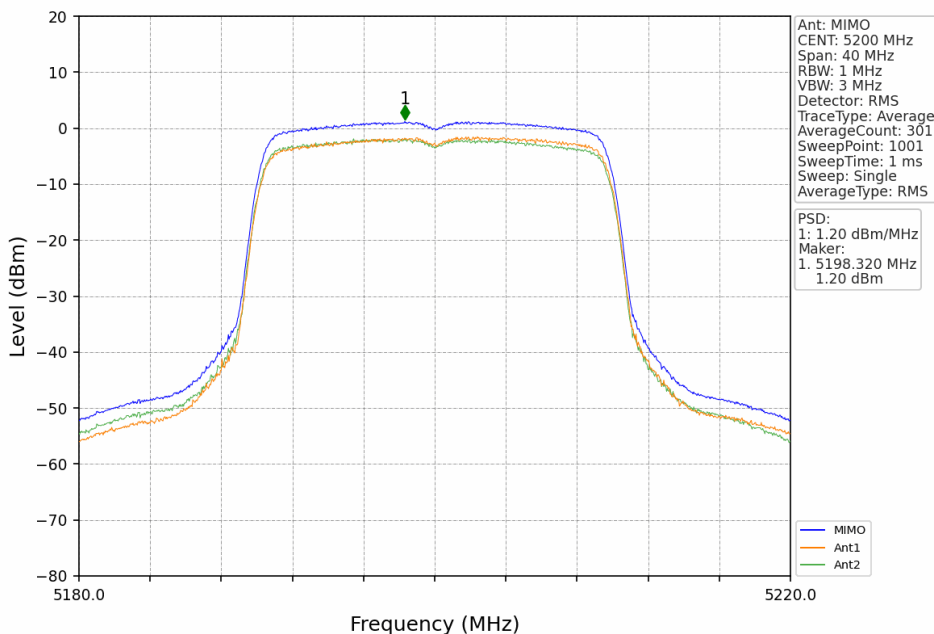
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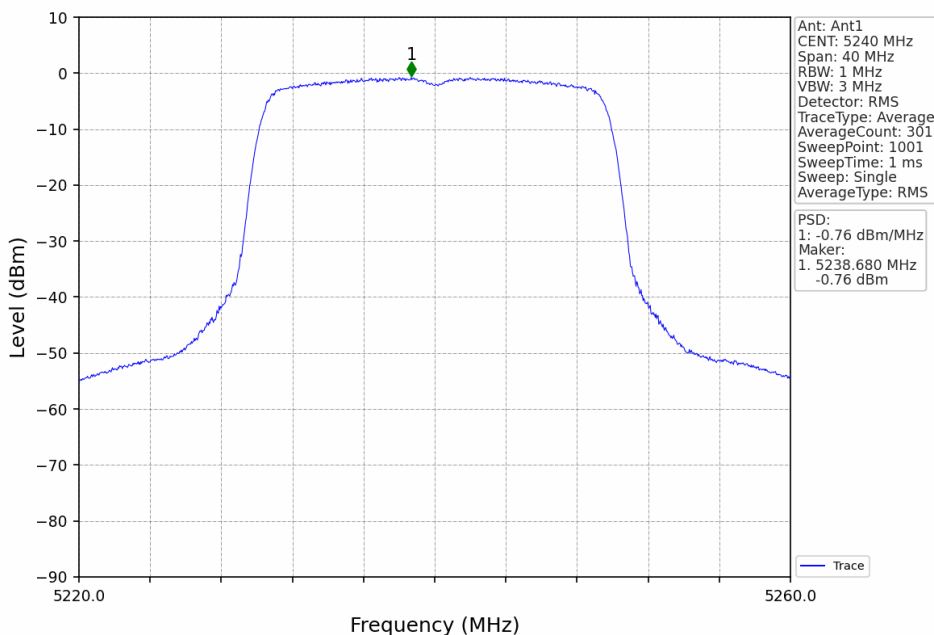
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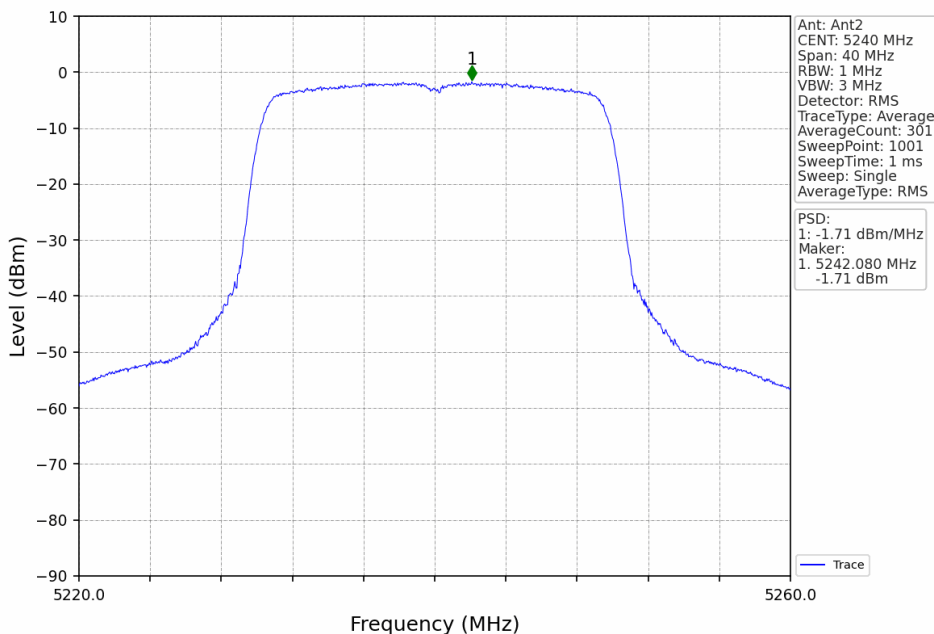
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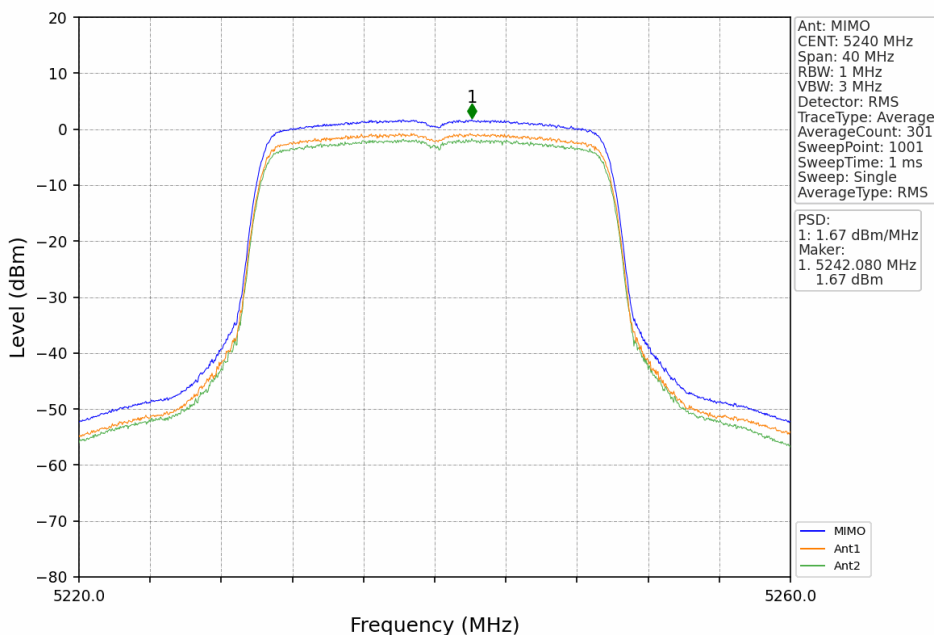
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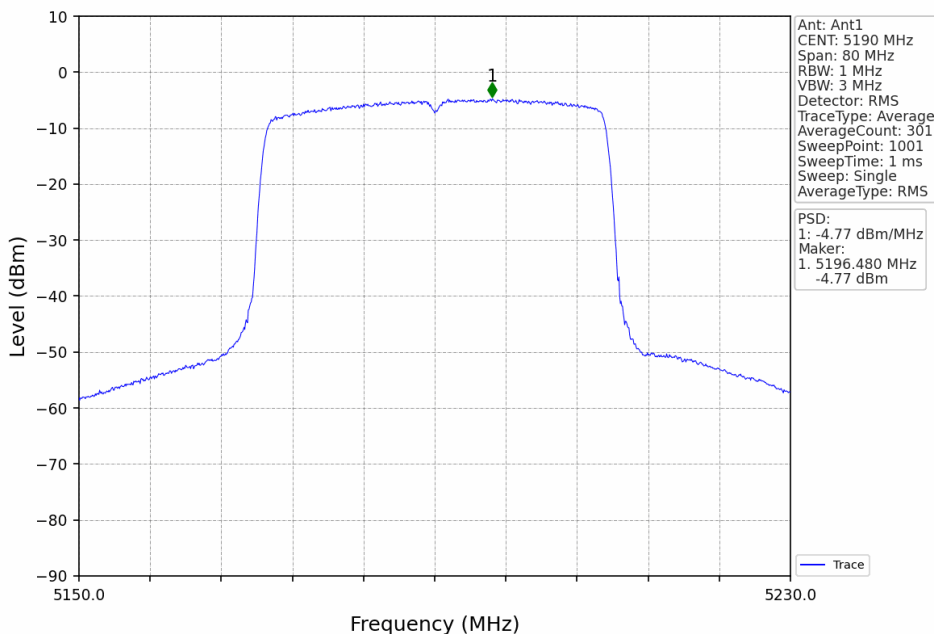
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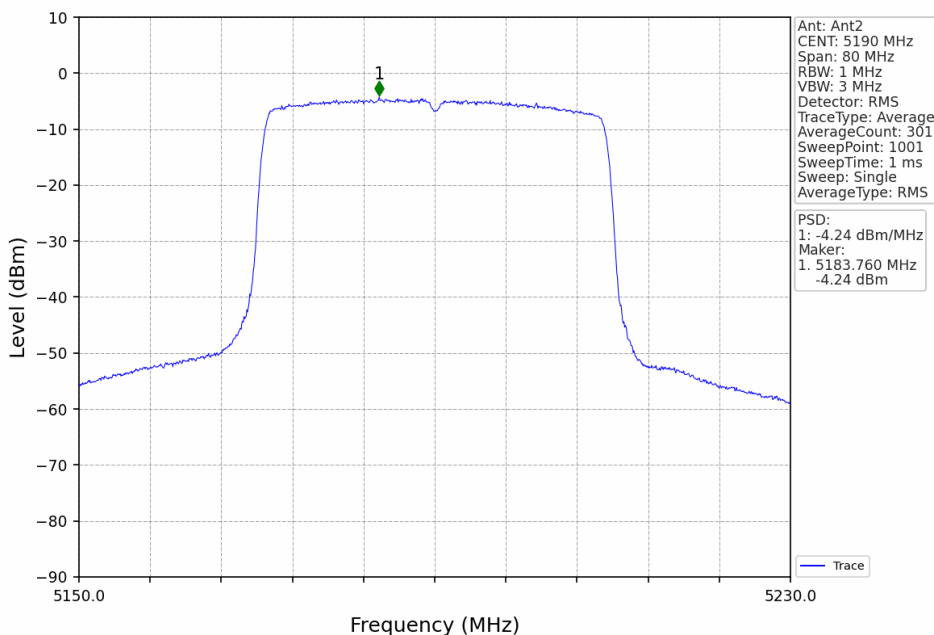
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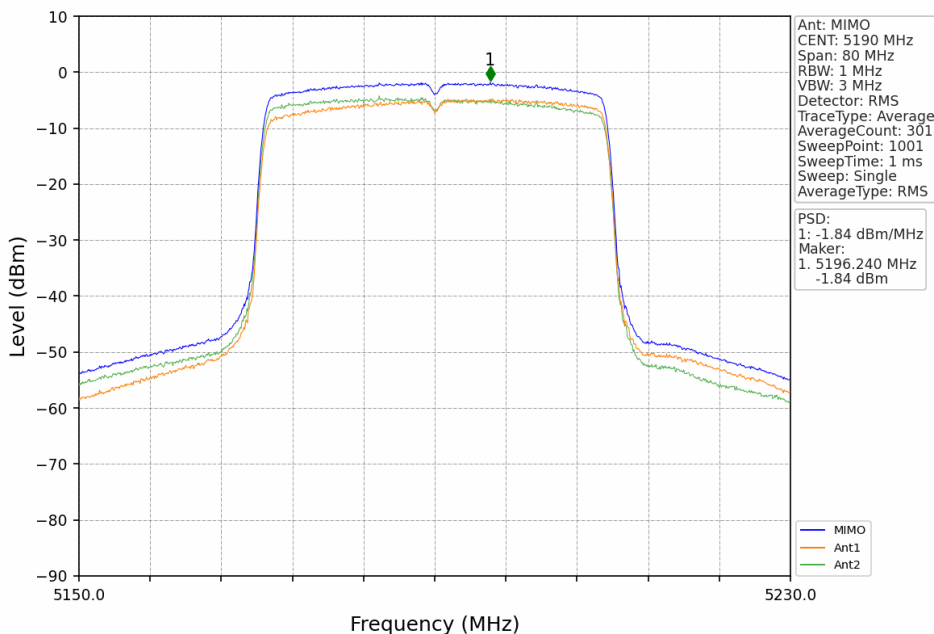
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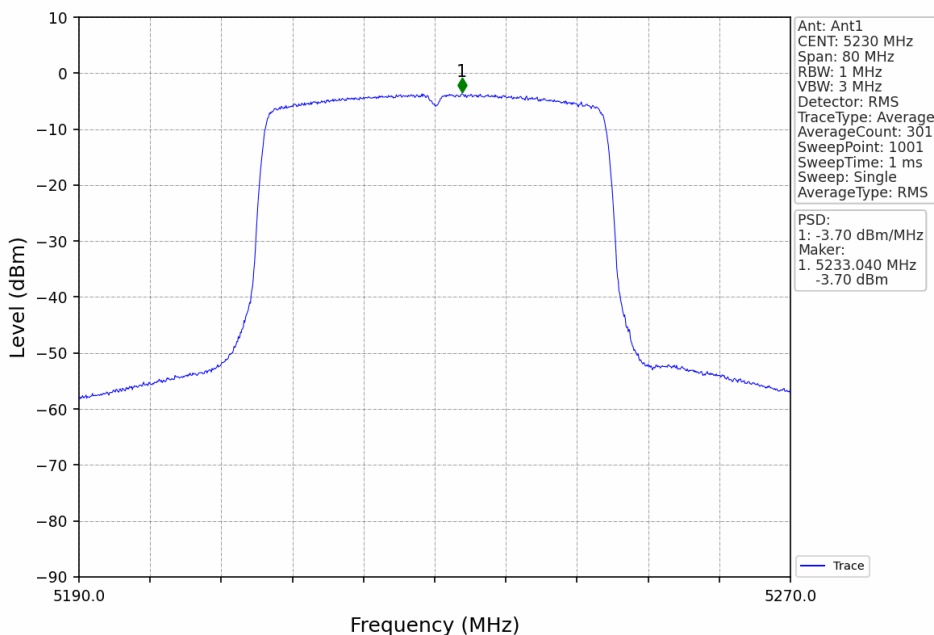
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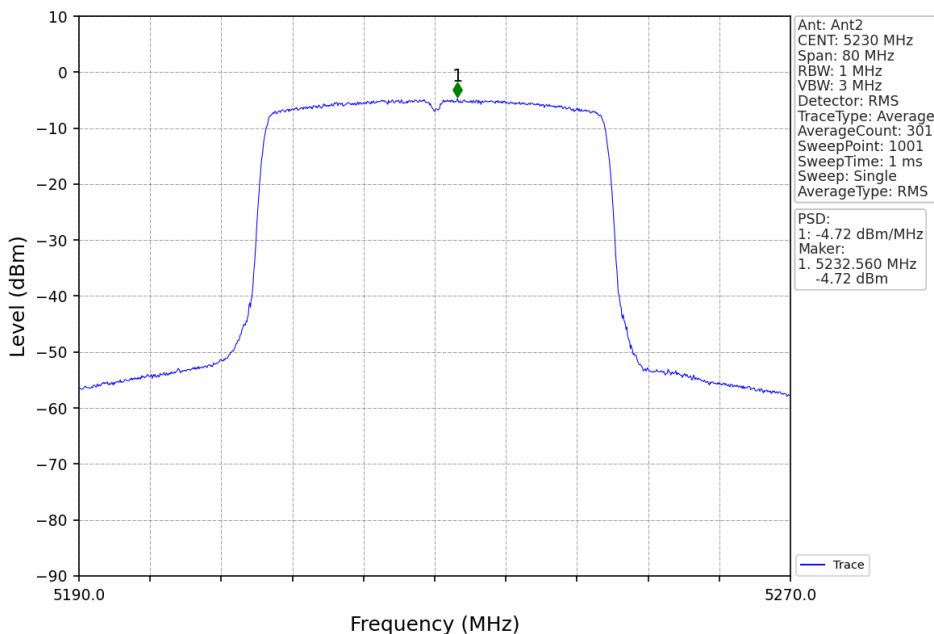
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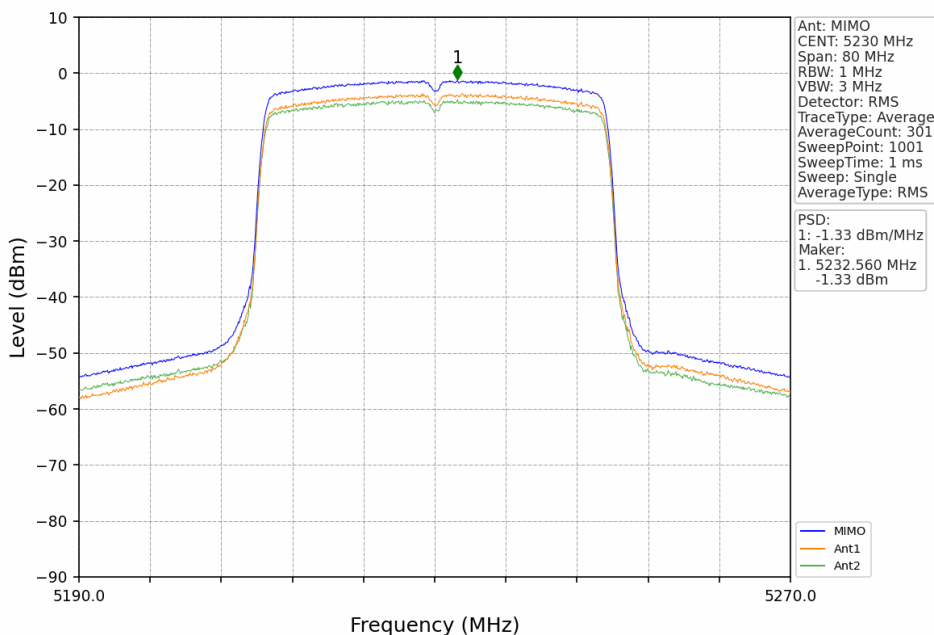
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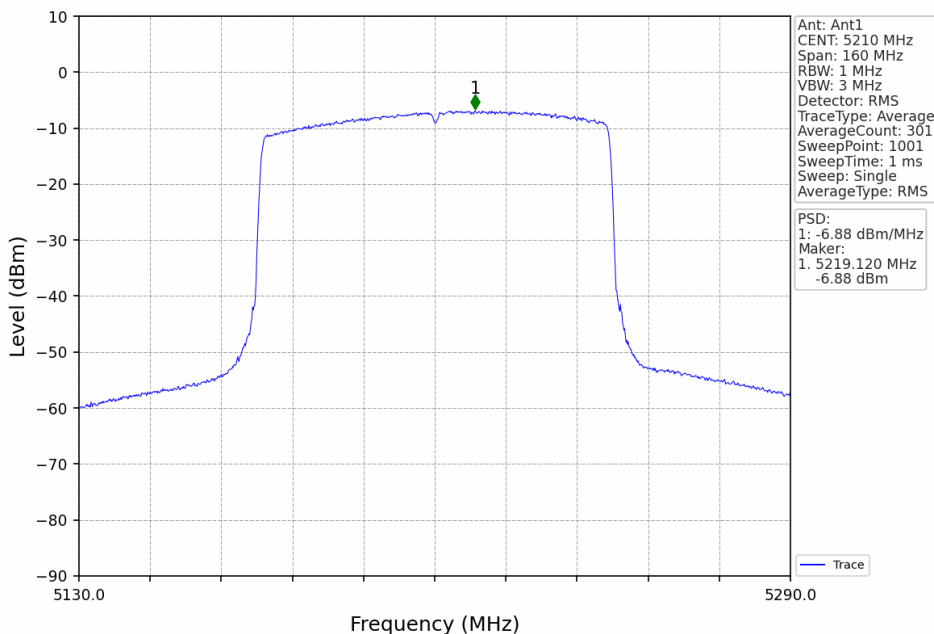
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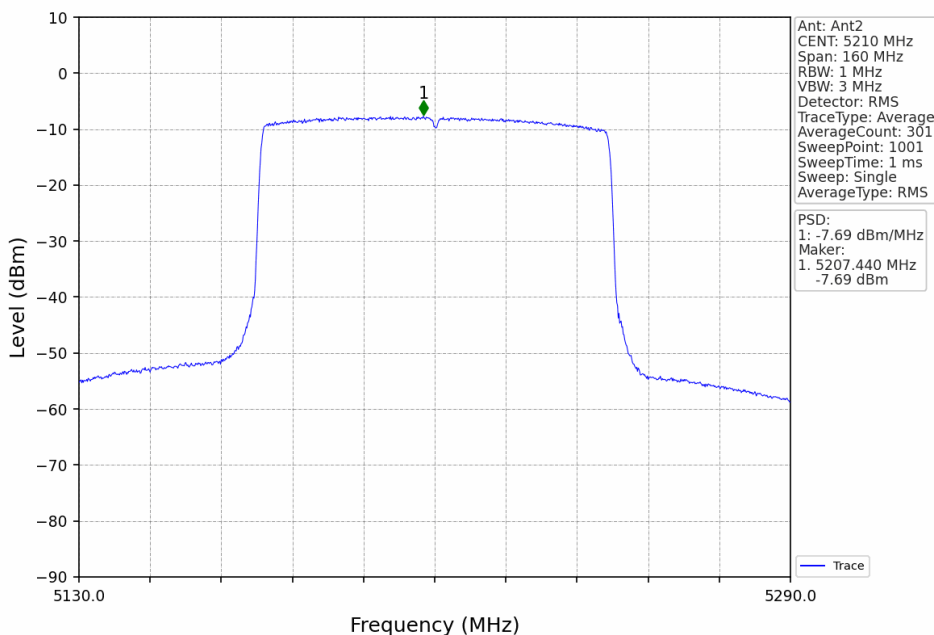
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802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant2_NTNV



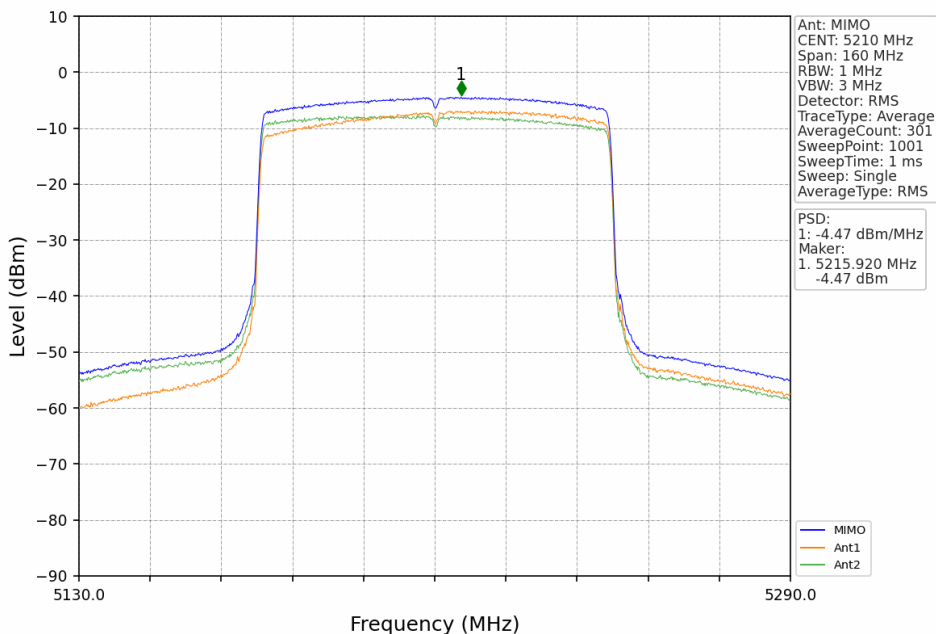
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802.11ax(HEW80)_MCH_5210MHz_RU996_Left_MIMO_NTNV



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5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	/	/	20	102	5180.060	5150 to 5250	Pass
						120	5180.040	5150 to 5250	Pass
						138	5180.040	5150 to 5250	Pass
					0	120	5180.020	5150 to 5250	Pass
					10	120	5180.000	5150 to 5250	Pass
					30	120	5180.040	5150 to 5250	Pass
					40	120	5180.020	5150 to 5250	Pass
		5200	/	/	20	102	5200.020	5150 to 5250	Pass
						120	5200.040	5150 to 5250	Pass
						138	5200.060	5150 to 5250	Pass
					0	120	5200.020	5150 to 5250	Pass
					10	120	5200.040	5150 to 5250	Pass
					30	120	5200.060	5150 to 5250	Pass
					40	120	5200.060	5150 to 5250	Pass
		5240	/	/	20	102	5240.020	5150 to 5250	Pass
						120	5240.060	5150 to 5250	Pass
						138	5240.020	5150 to 5250	Pass
					0	120	5239.960	5150 to 5250	Pass
					10	120	5240.040	5150 to 5250	Pass
					30	120	5239.980	5150 to 5250	Pass
					40	120	5240.000	5150 to 5250	Pass
802.11n (HT20)	MIMO	5180	/	/	20	102	5180.040	5150 to 5250	Pass
						120	5180.080	5150 to 5250	Pass
						138	5180.060	5150 to 5250	Pass
					0	120	5180.040	5150 to 5250	Pass
					10	120	5180.040	5150 to 5250	Pass
					30	120	5180.080	5150 to 5250	Pass
					40	120	5180.120	5150 to 5250	Pass
		5200	/	/	20	102	5200.040	5150 to 5250	Pass



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						120	5200.040	5150 to 5250	Pass	
						138	5200.040	5150 to 5250	Pass	
						0	120	5200.060	5150 to 5250	Pass
						10	120	5200.040	5150 to 5250	Pass
						30	120	5200.060	5150 to 5250	Pass
						40	120	5200.040	5150 to 5250	Pass
		5240	/	/	20	102	5240.060	5150 to 5250	Pass	
						120	5240.060	5150 to 5250	Pass	
						138	5240.020	5150 to 5250	Pass	
					0	120	5240.040	5150 to 5250	Pass	
					10	120	5240.040	5150 to 5250	Pass	
					30	120	5240.060	5150 to 5250	Pass	
					40	120	5240.020	5150 to 5250	Pass	
					802.11n (HT40)	MIMO	5190	/	/	20
120	5190.160	5150 to 5250	Pass							
138	5190.120	5150 to 5250	Pass							
0	120	5190.160	5150 to 5250	Pass						
10	120	5190.120	5150 to 5250	Pass						
30	120	5190.080	5150 to 5250	Pass						
40	120	5190.120	5150 to 5250	Pass						
5230	/	/	20	102			5230.120	5150 to 5250	Pass	
				120			5230.080	5150 to 5250	Pass	
				138			5230.160	5150 to 5250	Pass	
			0	120			5230.080	5150 to 5250	Pass	
			10	120			5230.080	5150 to 5250	Pass	
			30	120			5230.080	5150 to 5250	Pass	
			40	120			5230.120	5150 to 5250	Pass	
			802.11ac (VHT20)	MIMO	5180	/	/	20	102	5180.080
120	5180.060	5150 to 5250							Pass	
138	5180.040	5150 to 5250							Pass	
0	120	5180.060						5150 to 5250	Pass	
10	120	5180.060						5150 to 5250	Pass	
30	120	5180.060						5150 to 5250	Pass	
40	120	5180.060			5150 to 5250	Pass				
5200	/	/			20	102	5200.060	5150 to 5250	Pass	
						120	5200.060	5150 to 5250	Pass	
						138	5200.060	5150 to 5250	Pass	
					0	120	5200.080	5150 to 5250	Pass	
					10	120	5200.060	5150 to 5250	Pass	
					30	120	5200.060	5150 to 5250	Pass	



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		5240	/	/	40	120	5200.040	5150 to 5250	Pass
					20	102	5240.040	5150 to 5250	Pass
						120	5240.020	5150 to 5250	Pass
						138	5240.040	5150 to 5250	Pass
					0	120	5240.080	5150 to 5250	Pass
					10	120	5240.040	5150 to 5250	Pass
					30	120	5240.020	5150 to 5250	Pass
					40	120	5240.040	5150 to 5250	Pass
802.11ac (VHT40)	MIMO	5190	/	/	20	102	5190.120	5150 to 5250	Pass
						120	5190.160	5150 to 5250	Pass
						138	5190.120	5150 to 5250	Pass
					0	120	5190.120	5150 to 5250	Pass
					10	120	5190.120	5150 to 5250	Pass
					30	120	5190.120	5150 to 5250	Pass
					40	120	5190.120	5150 to 5250	Pass
		5230	/	/	20	102	5230.080	5150 to 5250	Pass
						120	5230.120	5150 to 5250	Pass
						138	5230.080	5150 to 5250	Pass
					0	120	5230.080	5150 to 5250	Pass
					10	120	5230.080	5150 to 5250	Pass
					30	120	5230.080	5150 to 5250	Pass
					40	120	5230.120	5150 to 5250	Pass
802.11ac (VHT80)	MIMO	5210	/	/	20	102	5210.150	5150 to 5250	Pass
						120	5210.150	5150 to 5250	Pass
						138	5210.150	5150 to 5250	Pass
					0	120	5210.150	5150 to 5250	Pass
					10	120	5210.150	5150 to 5250	Pass
					30	120	5210.150	5150 to 5250	Pass
					40	120	5210.150	5150 to 5250	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	20	102	5180.060	5150 to 5250	Pass
						120	5180.080	5150 to 5250	Pass
						138	5180.060	5150 to 5250	Pass
					0	120	5180.060	5150 to 5250	Pass
					10	120	5180.120	5150 to 5250	Pass
					30	120	5180.060	5150 to 5250	Pass
					40	120	5180.060	5150 to 5250	Pass
		5200	RU242	Left	20	102	5200.060	5150 to 5250	Pass
						120	5200.060	5150 to 5250	Pass
						138	5200.040	5150 to 5250	Pass
					0	120	5200.060	5150 to 5250	Pass



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					10	120	5200.060	5150 to 5250	Pass
					30	120	5200.040	5150 to 5250	Pass
					40	120	5200.080	5150 to 5250	Pass
					20	102	5240.000	5150 to 5250	Pass
						120	5240.000	5150 to 5250	Pass
						138	5240.060	5150 to 5250	Pass
					0	120	5240.040	5150 to 5250	Pass
					10	120	5240.040	5150 to 5250	Pass
					30	120	5240.040	5150 to 5250	Pass
					40	120	5240.040	5150 to 5250	Pass
					20	102	5190.160	5150 to 5250	Pass
						120	5190.160	5150 to 5250	Pass
						138	5190.040	5150 to 5250	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	0	120	5190.120	5150 to 5250	Pass
					10	120	5190.080	5150 to 5250	Pass
					30	120	5190.160	5150 to 5250	Pass
					40	120	5190.080	5150 to 5250	Pass
		5230	RU484	Left	20	102	5230.080	5150 to 5250	Pass
						120	5230.120	5150 to 5250	Pass
						138	5230.160	5150 to 5250	Pass
					0	120	5230.120	5150 to 5250	Pass
					10	120	5230.080	5150 to 5250	Pass
					30	120	5230.160	5150 to 5250	Pass
					40	120	5230.040	5150 to 5250	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	20	102	5210.225	5150 to 5250	Pass
						120	5210.150	5150 to 5250	Pass
						138	5210.150	5150 to 5250	Pass
					0	120	5210.075	5150 to 5250	Pass
					10	120	5210.225	5150 to 5250	Pass
					30	120	5210.150	5150 to 5250	Pass
					40	120	5210.225	5150 to 5250	Pass

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