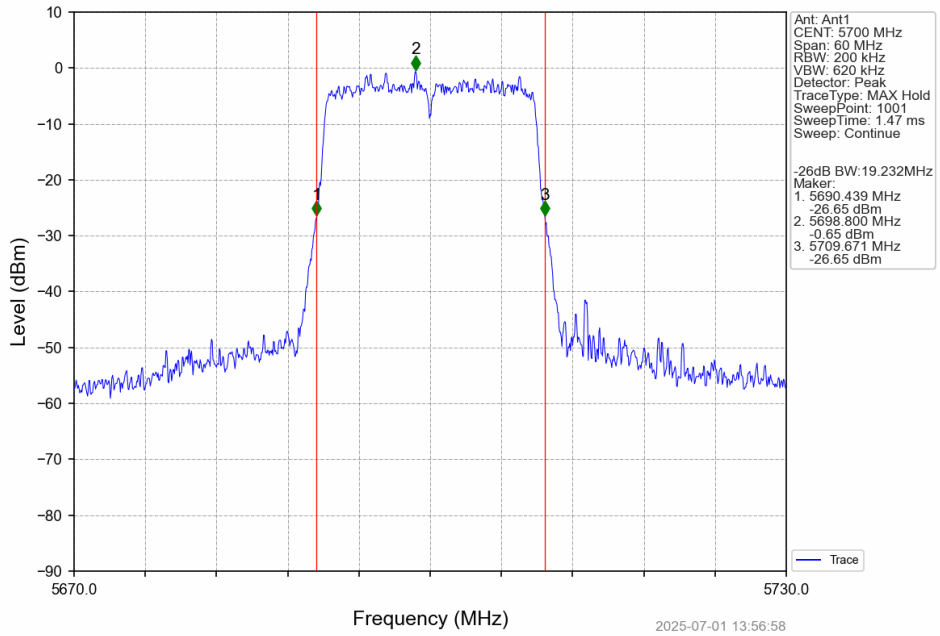
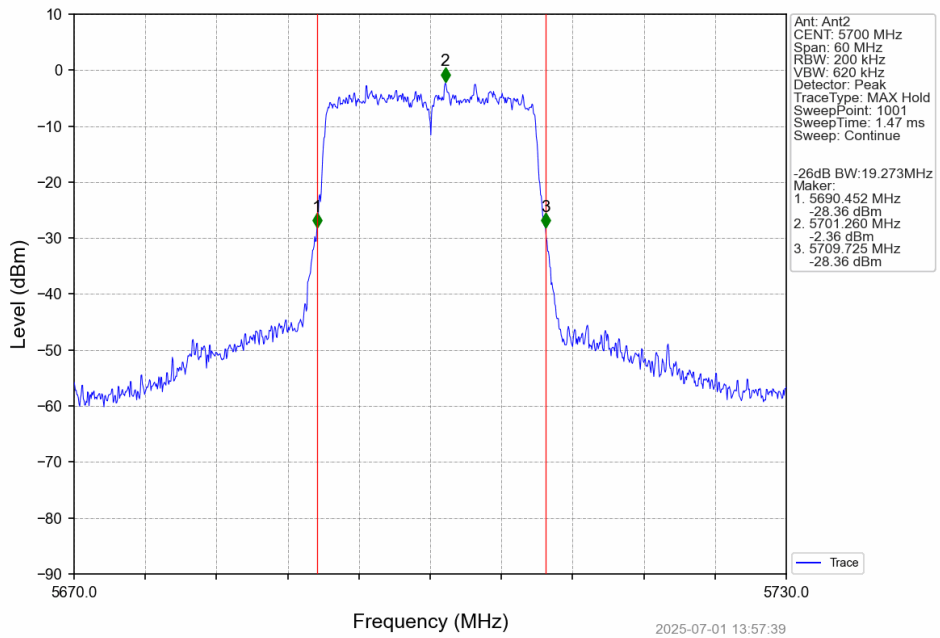
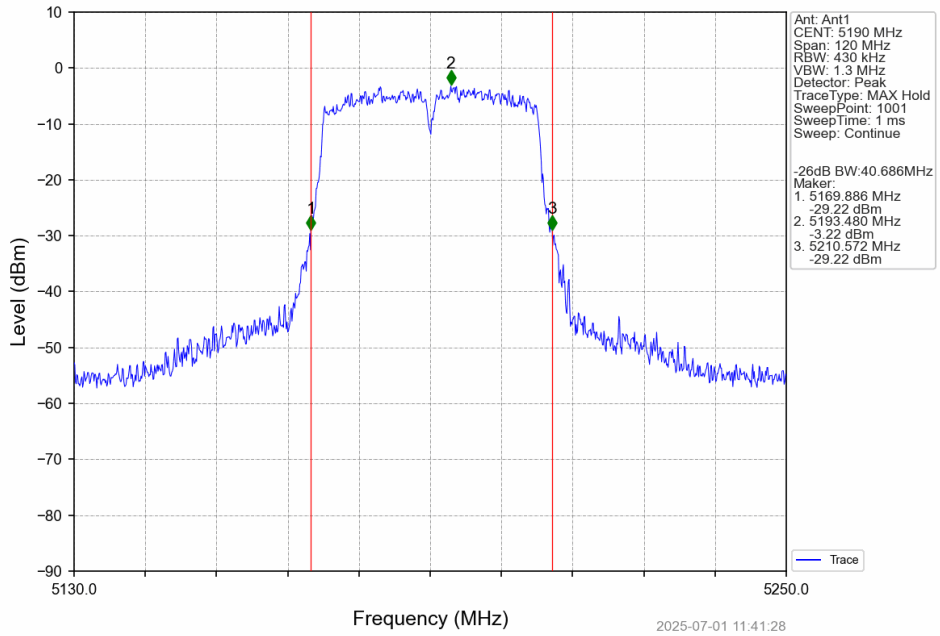
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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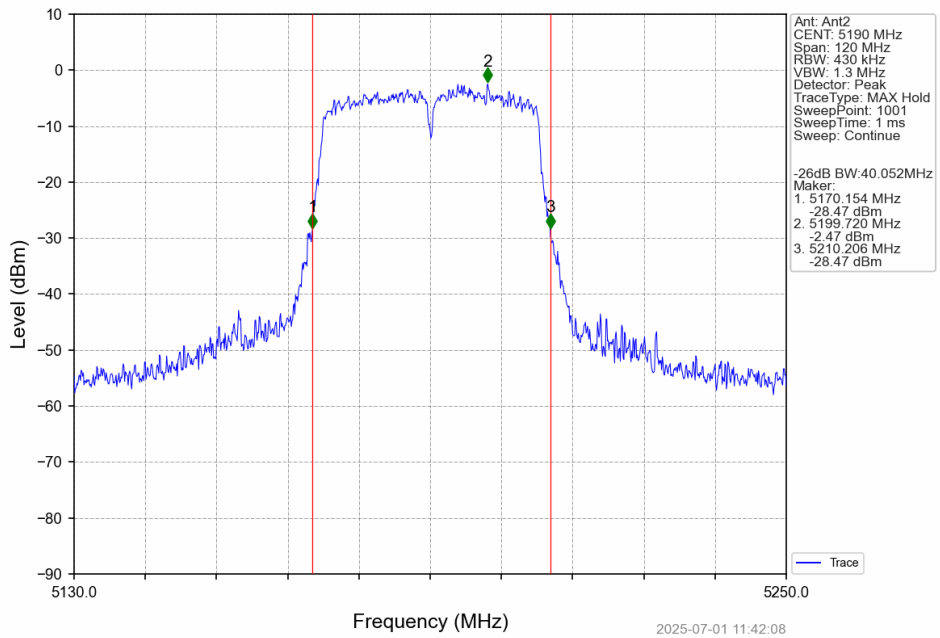

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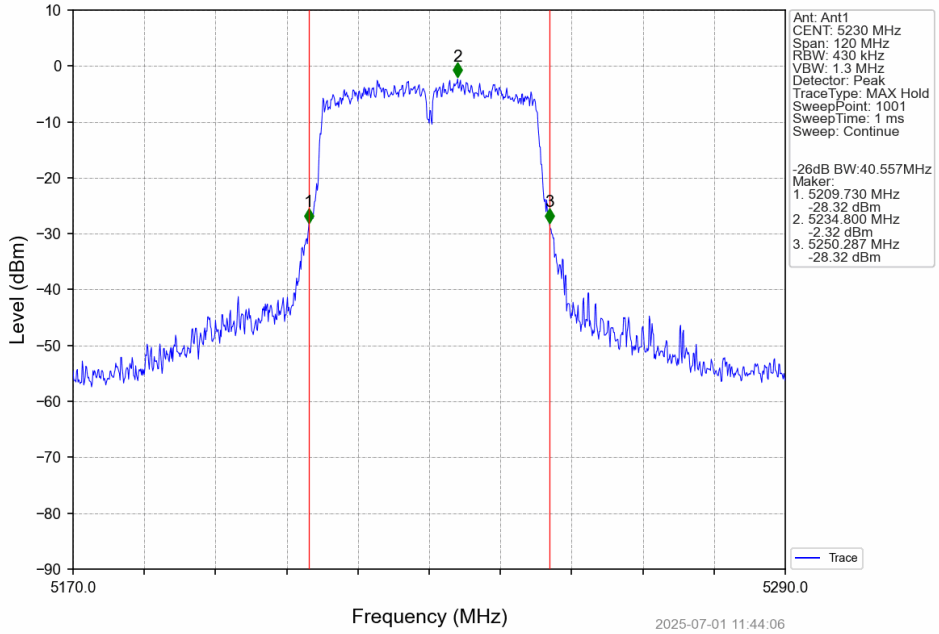

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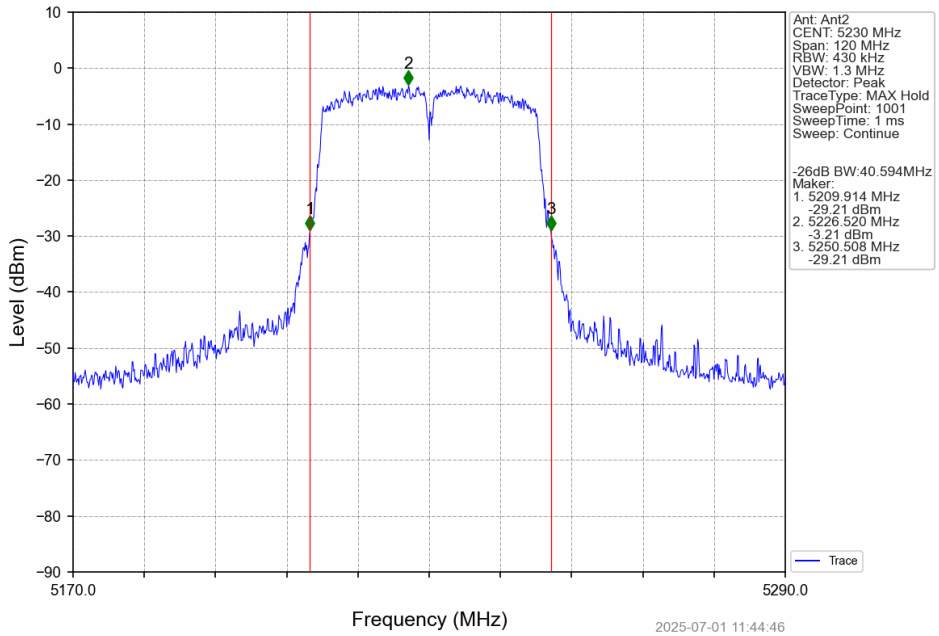

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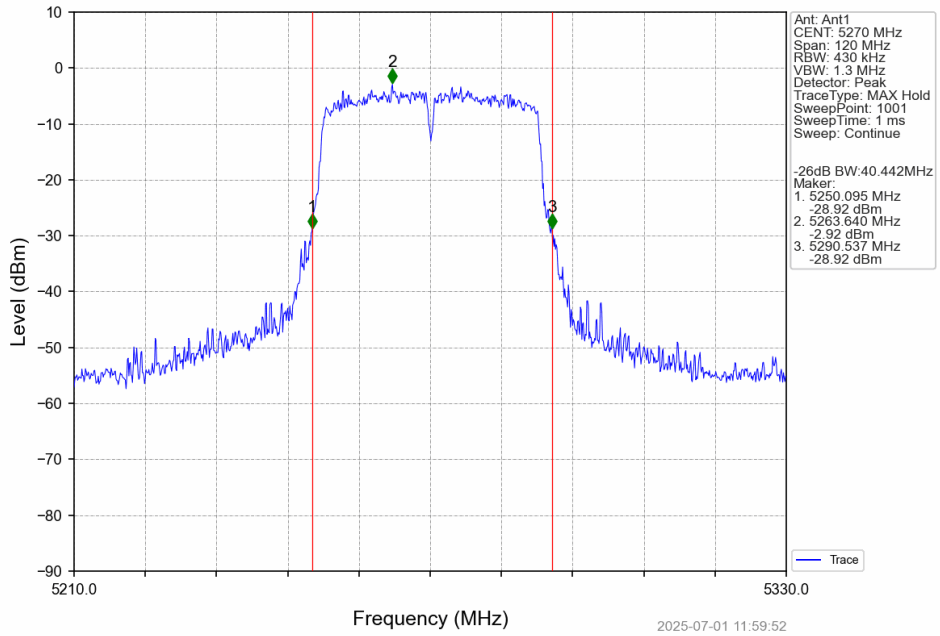

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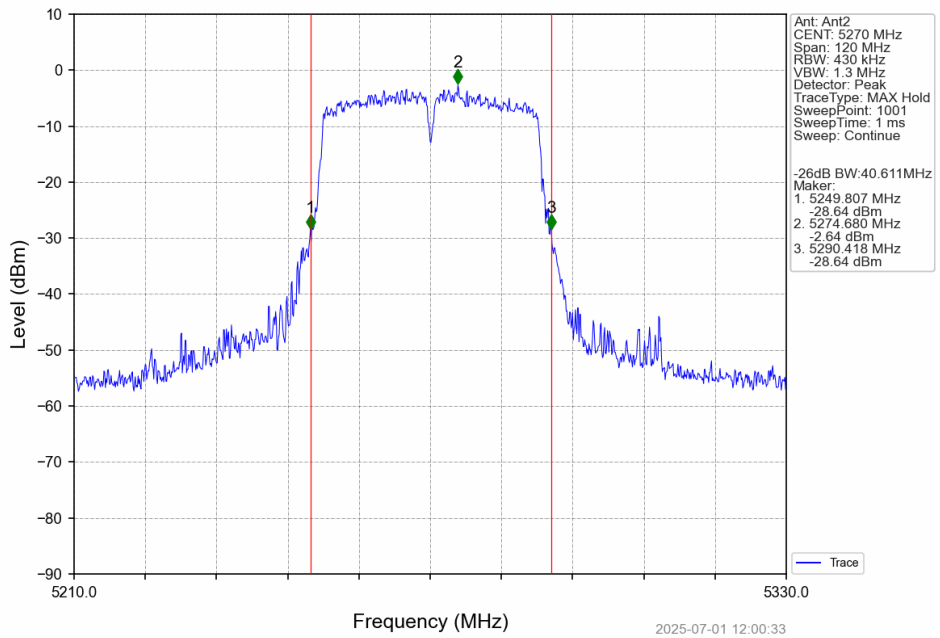

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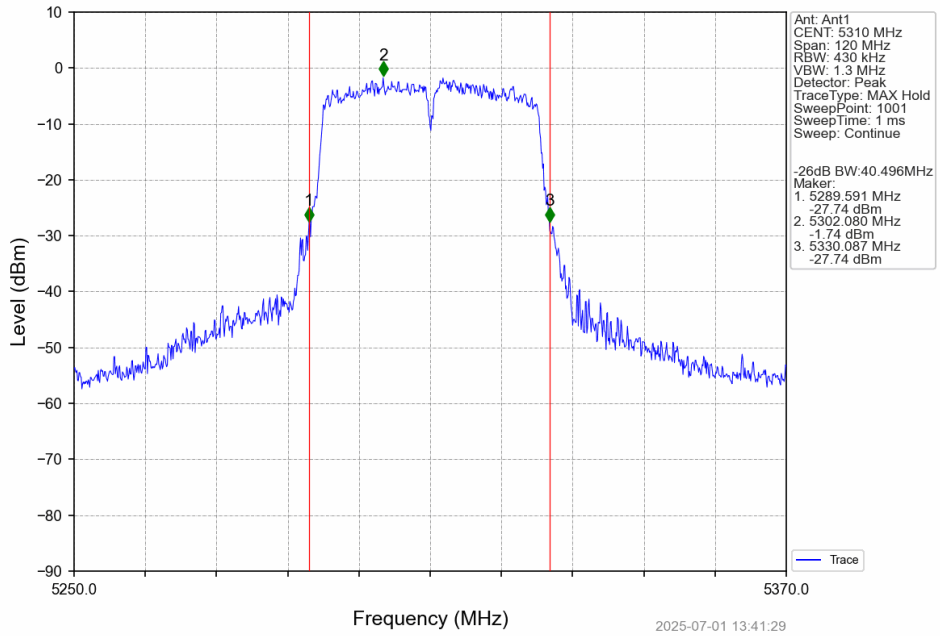

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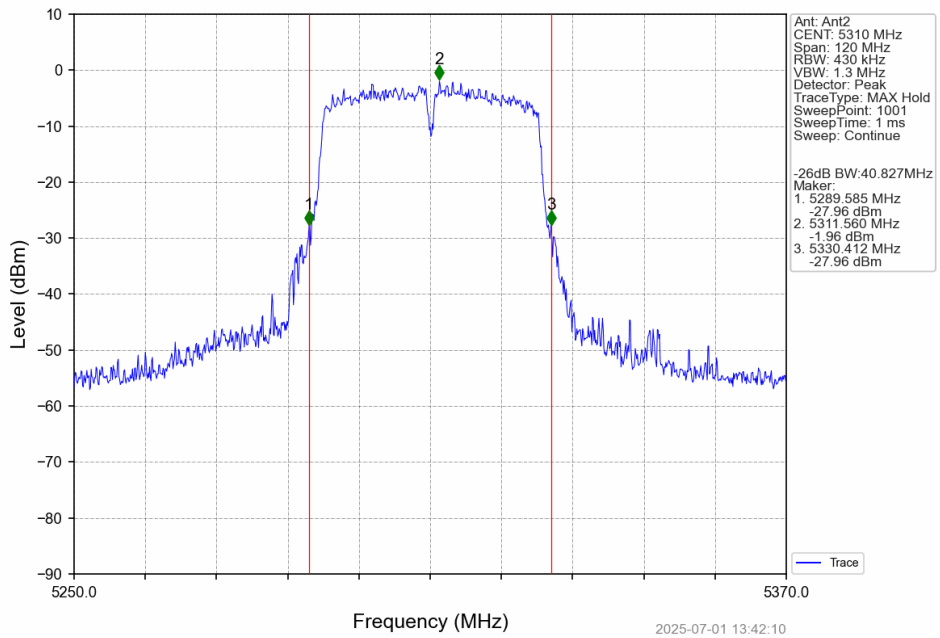
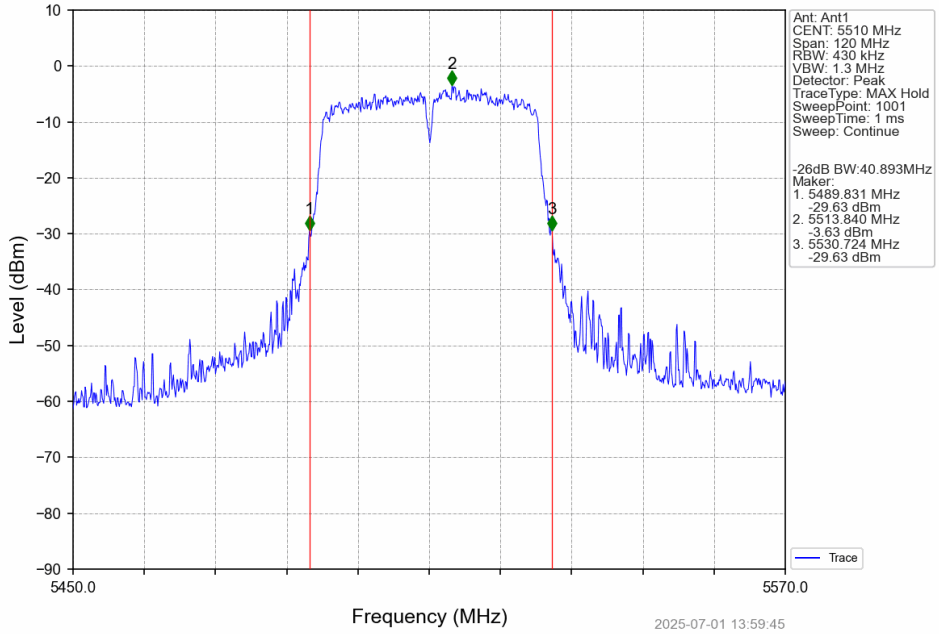


802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



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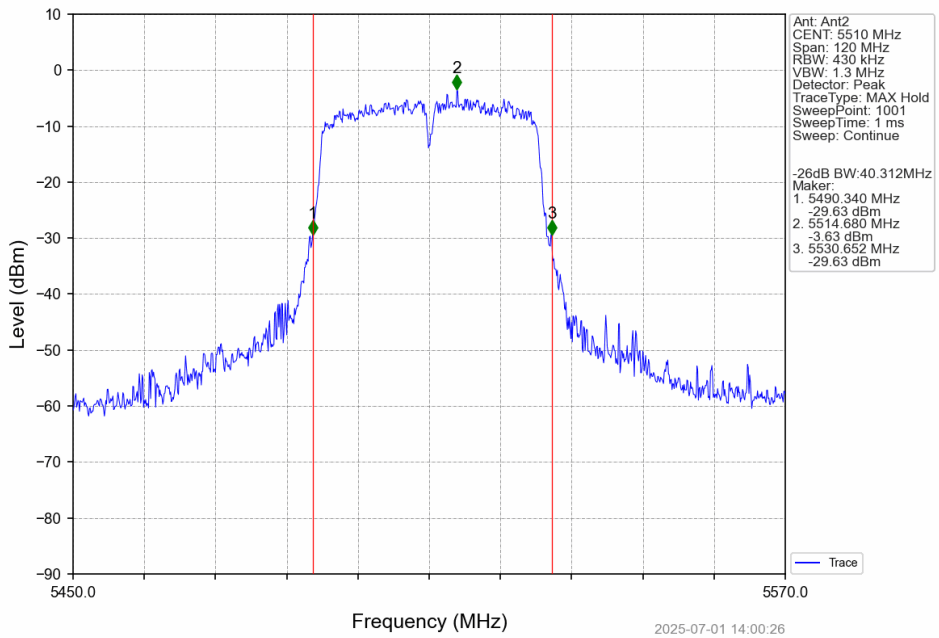

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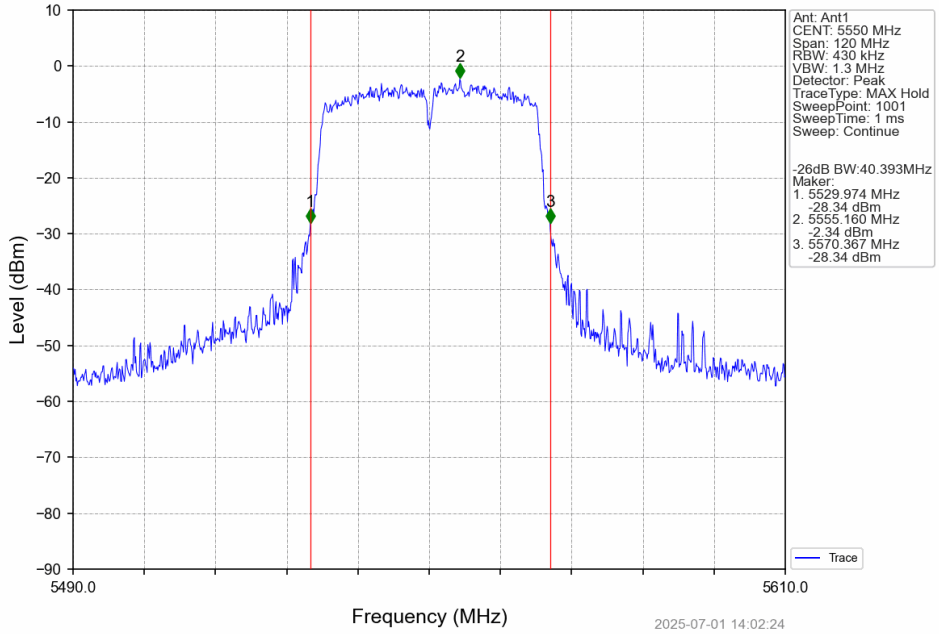

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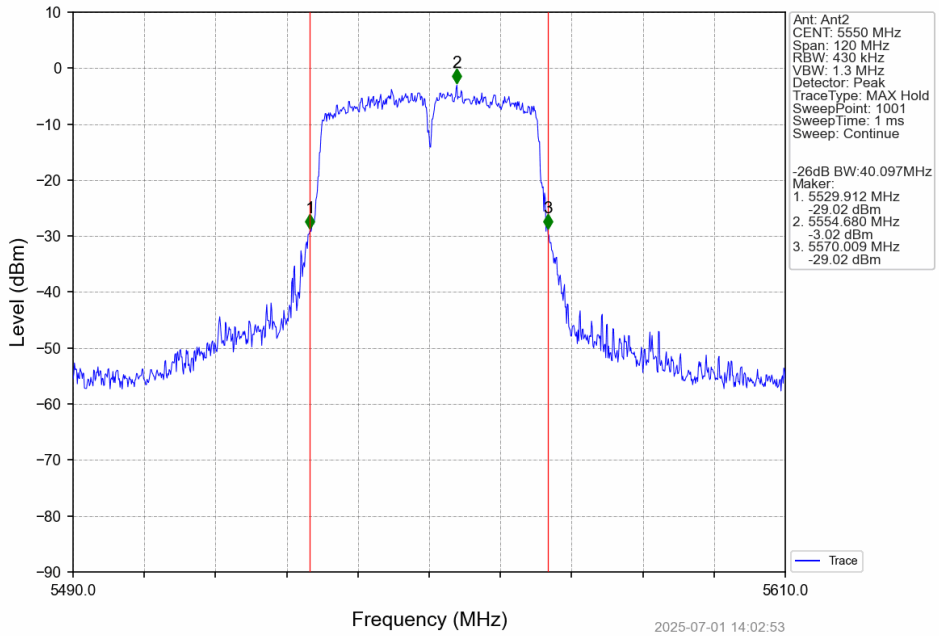
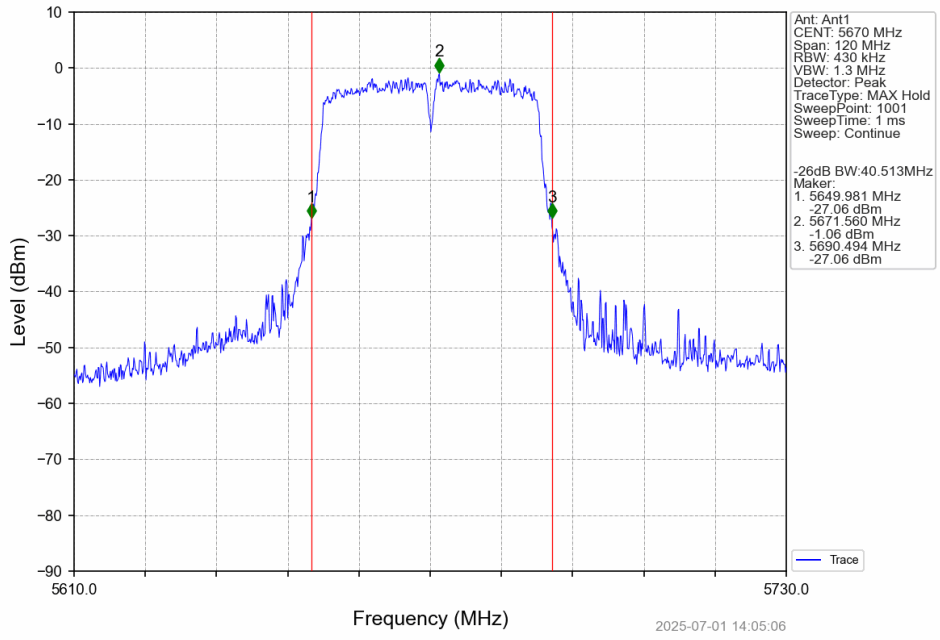
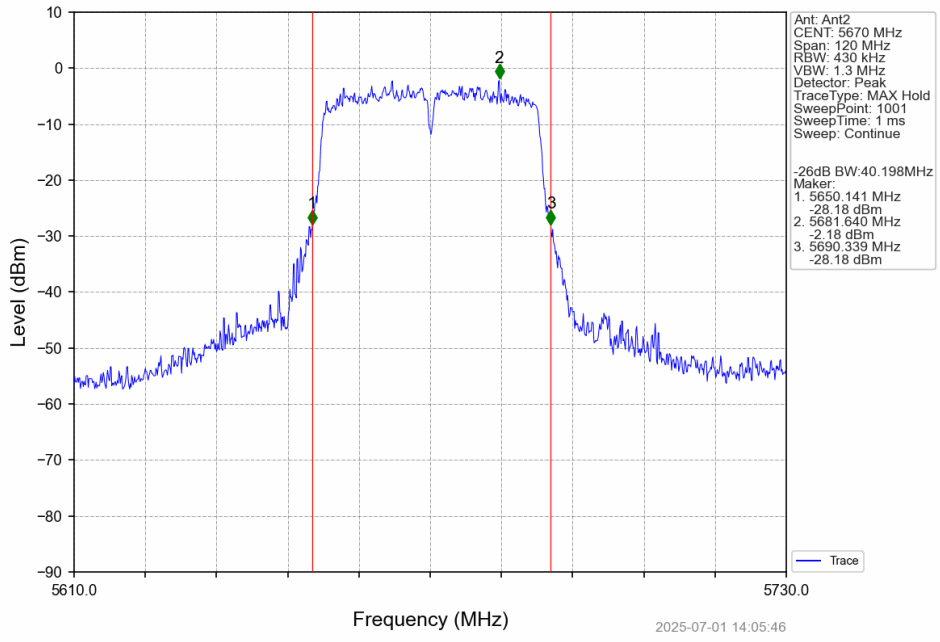


802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV



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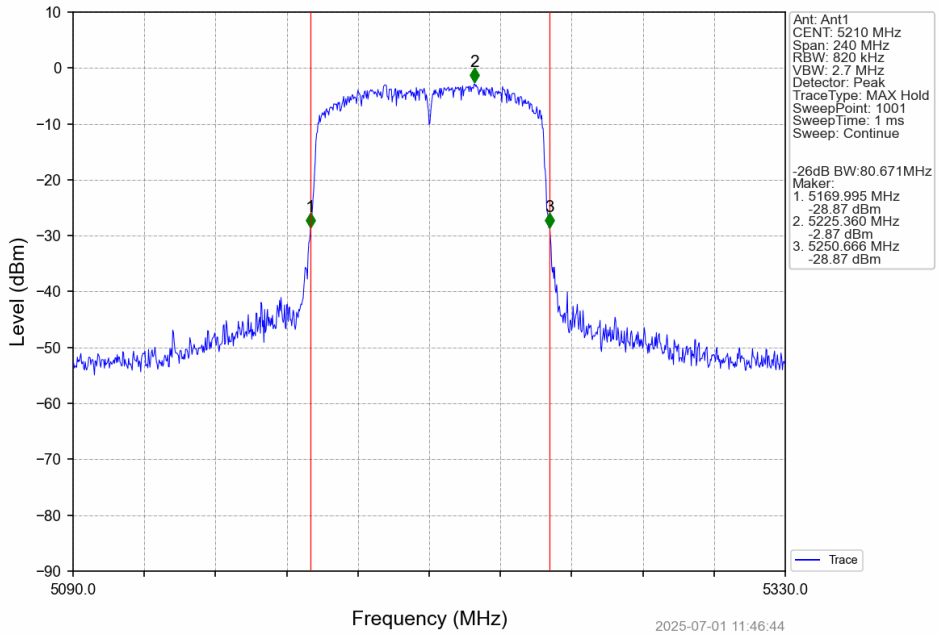

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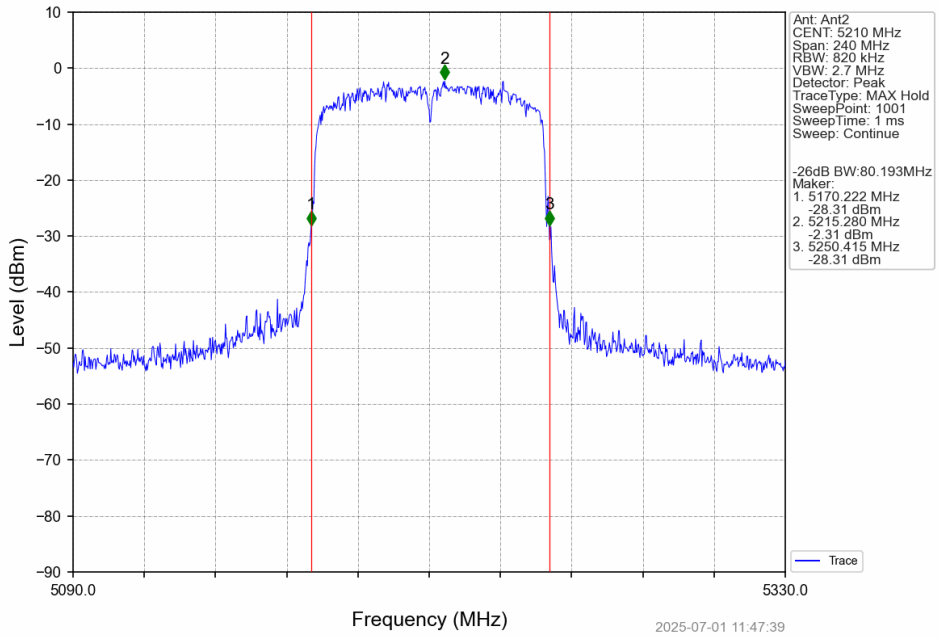
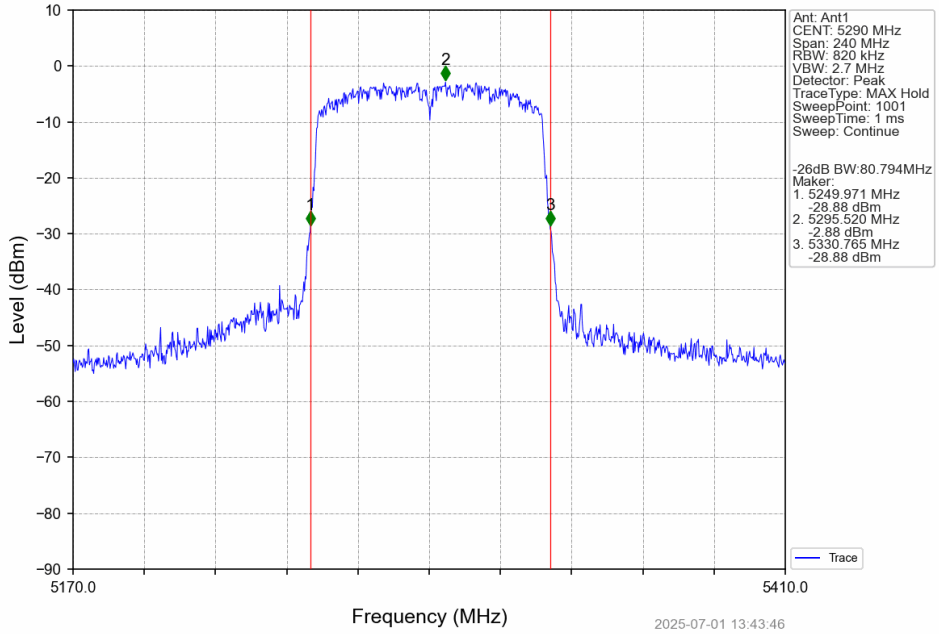


802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



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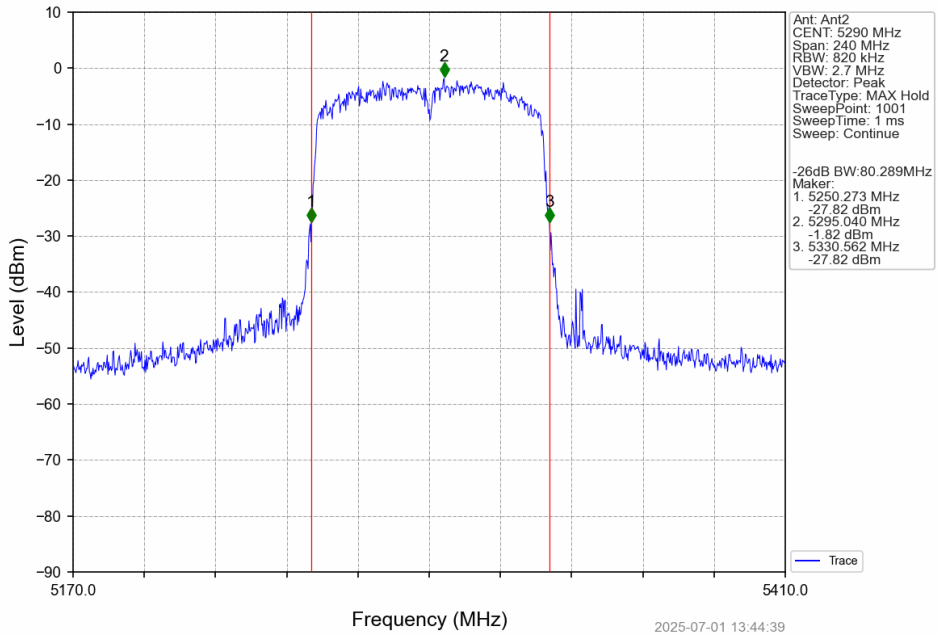

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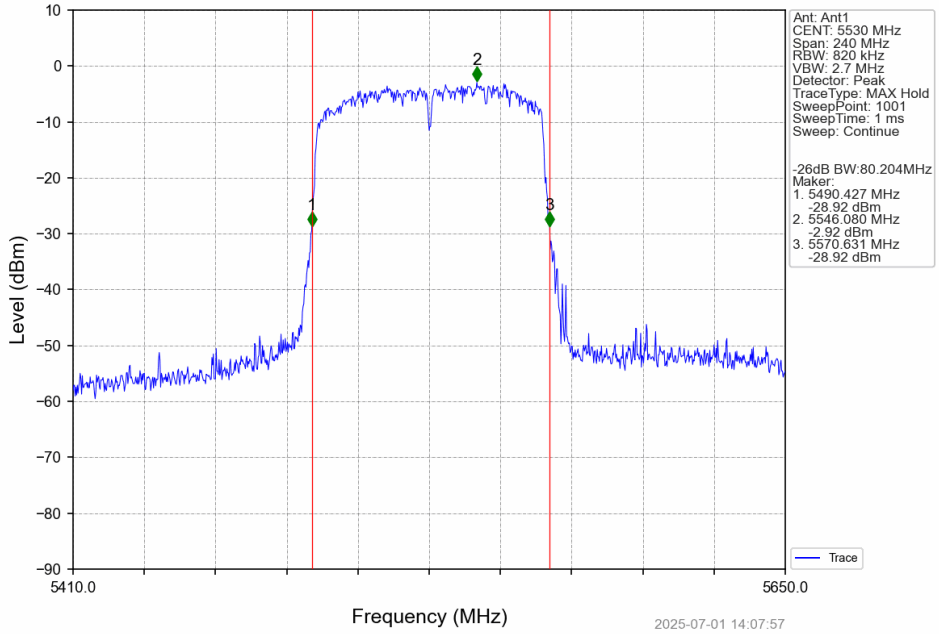
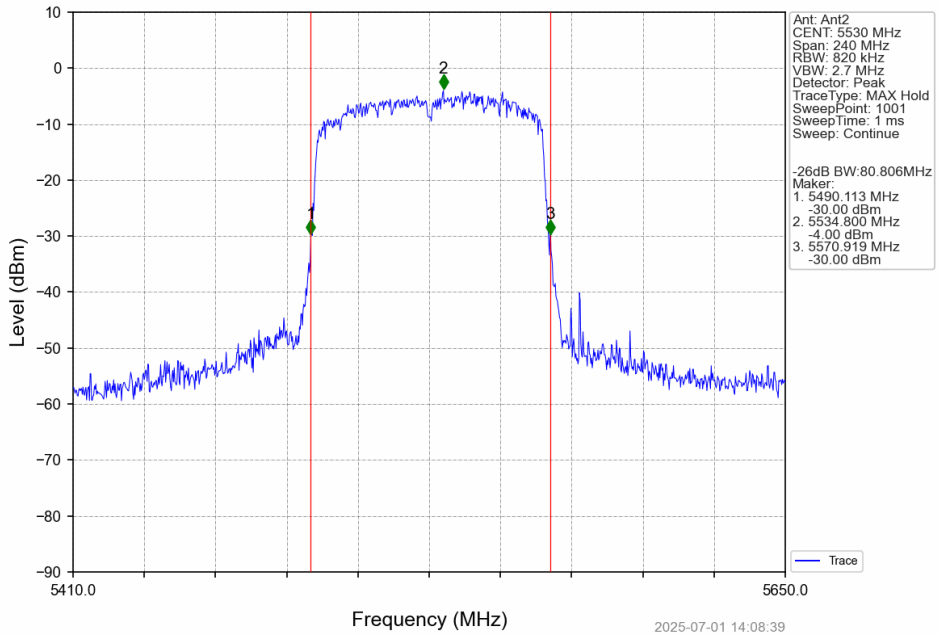
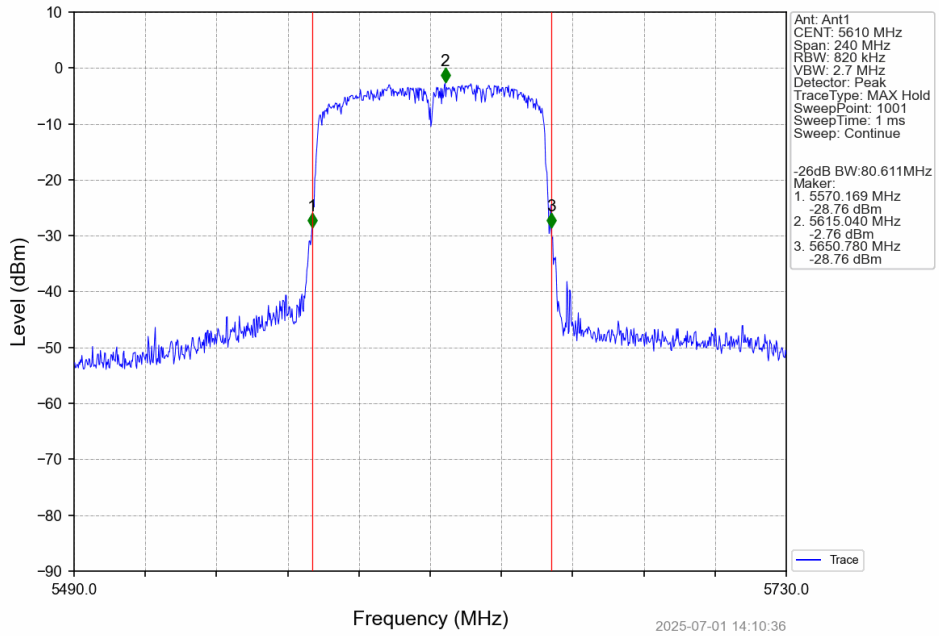


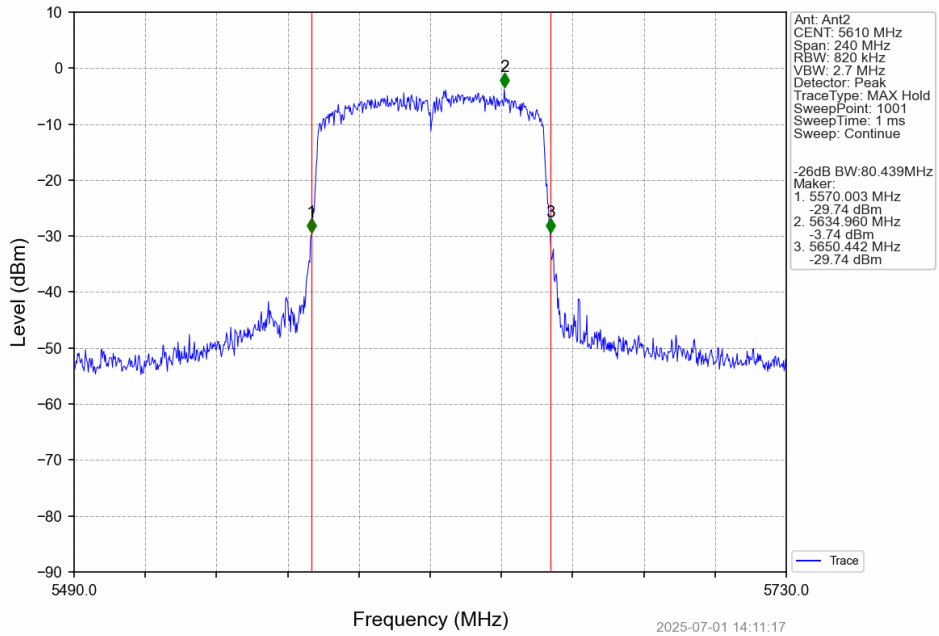
802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

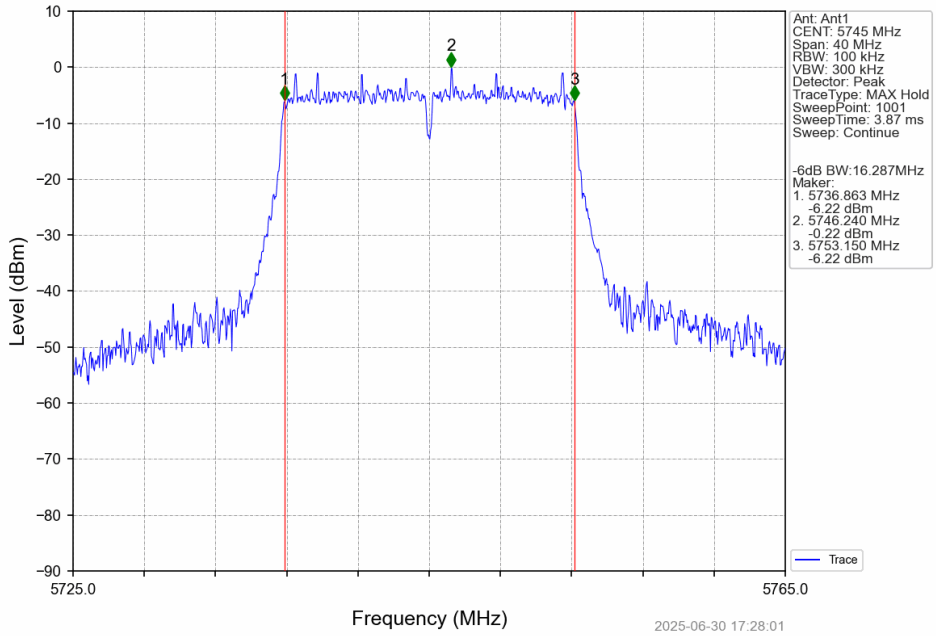


802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV

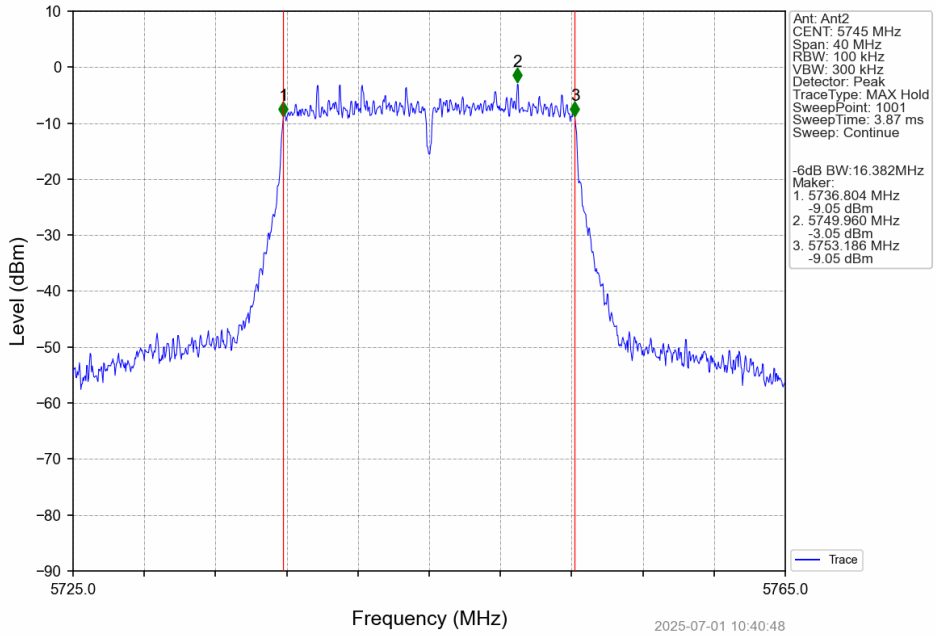


2.2.3 6dB BW

802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant2_NTNV



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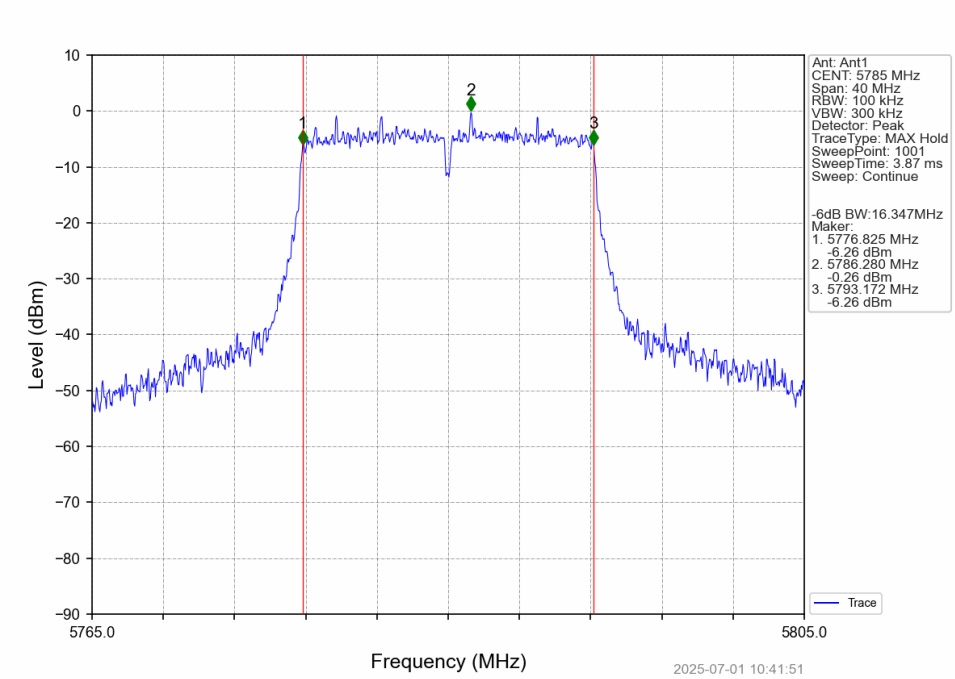

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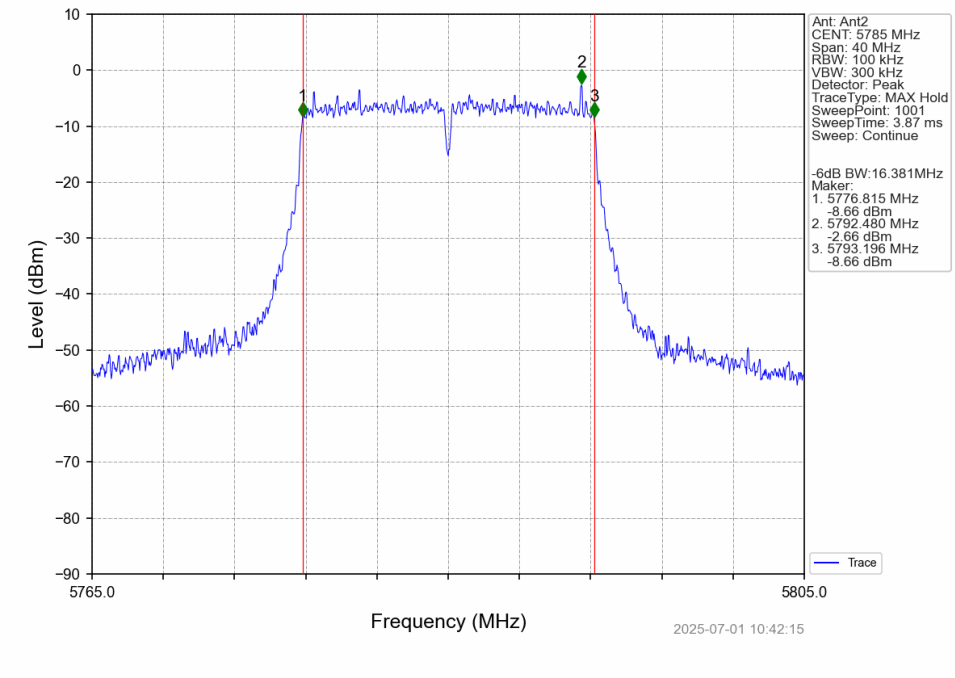
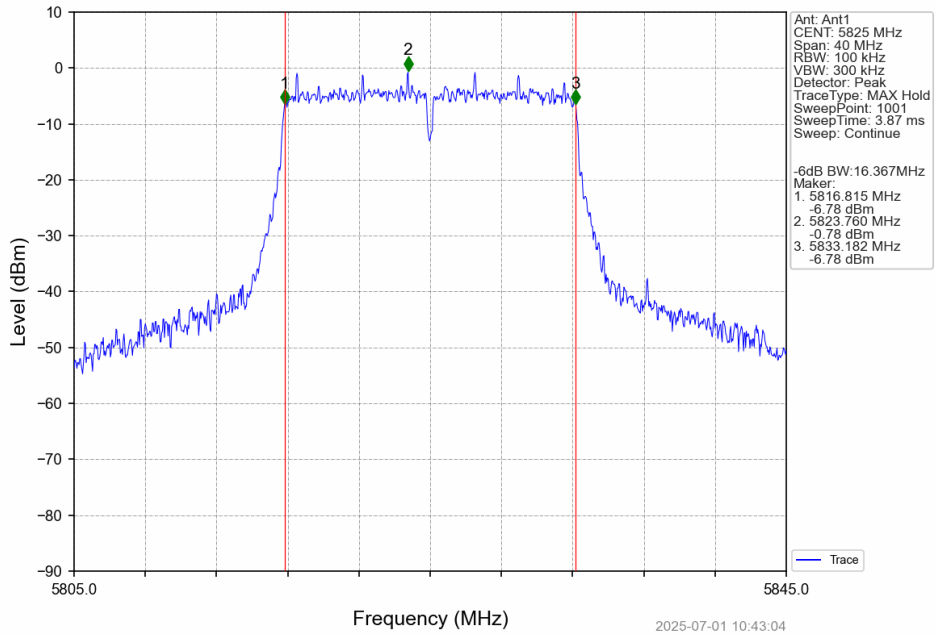
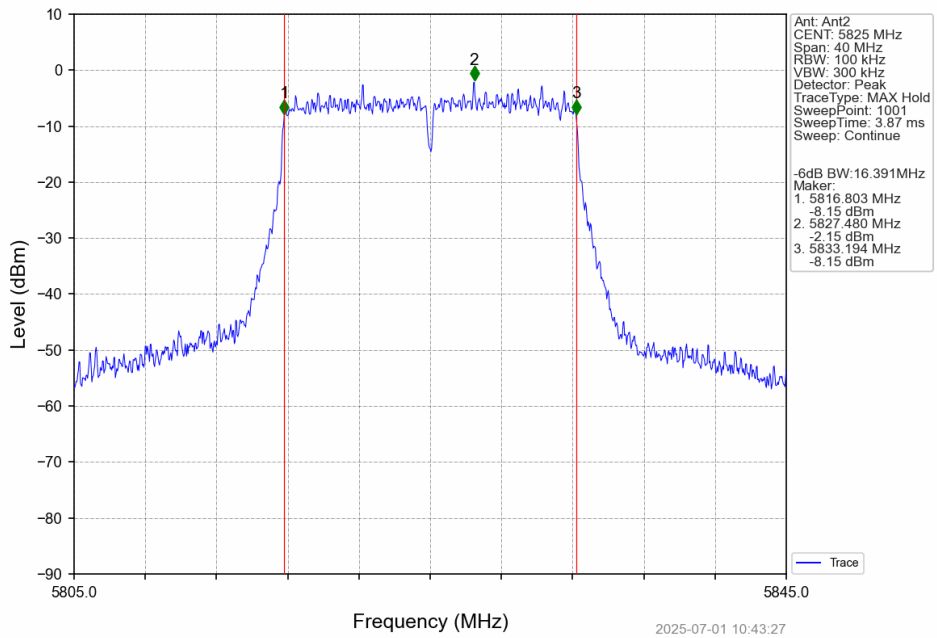


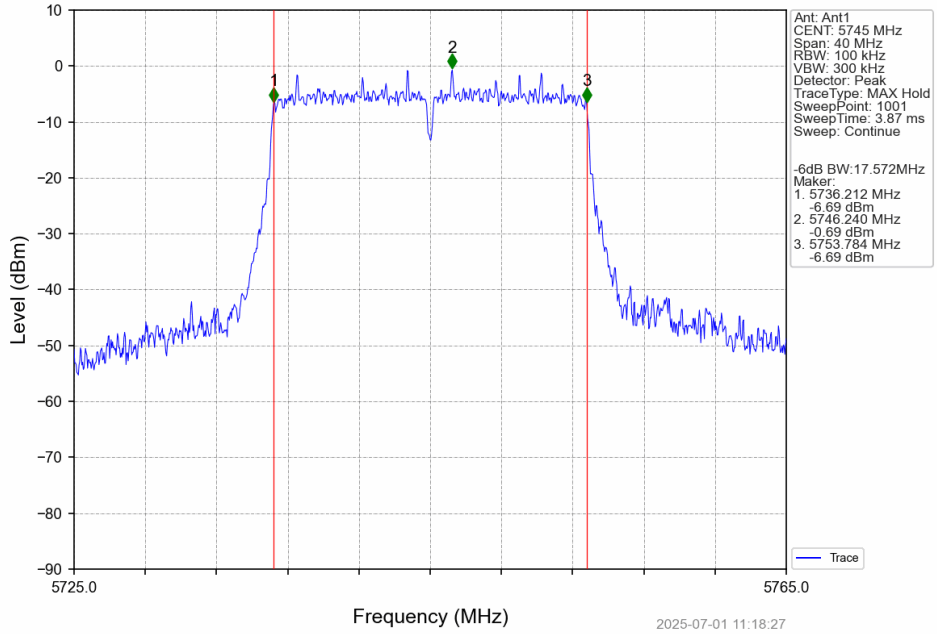
802.11a_HCH_5825MHz_Ant1_NTNV



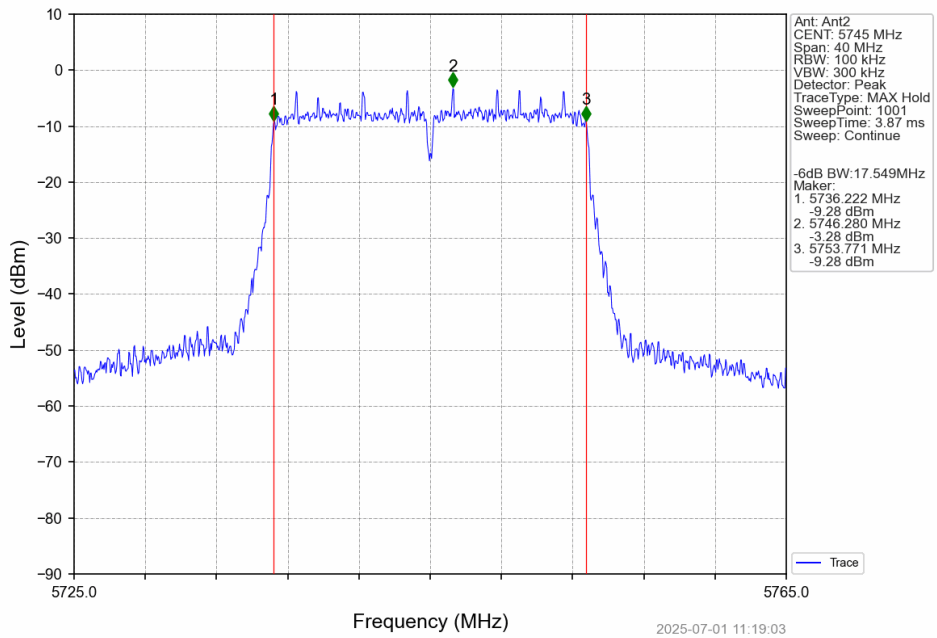
802.11a_HCH_5825MHz_Ant2_NTNV



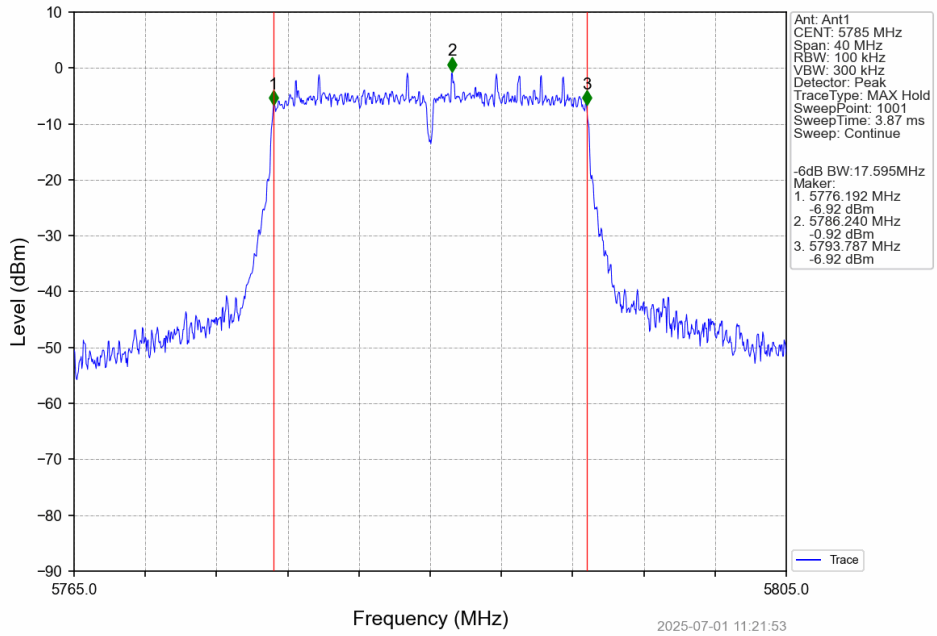
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



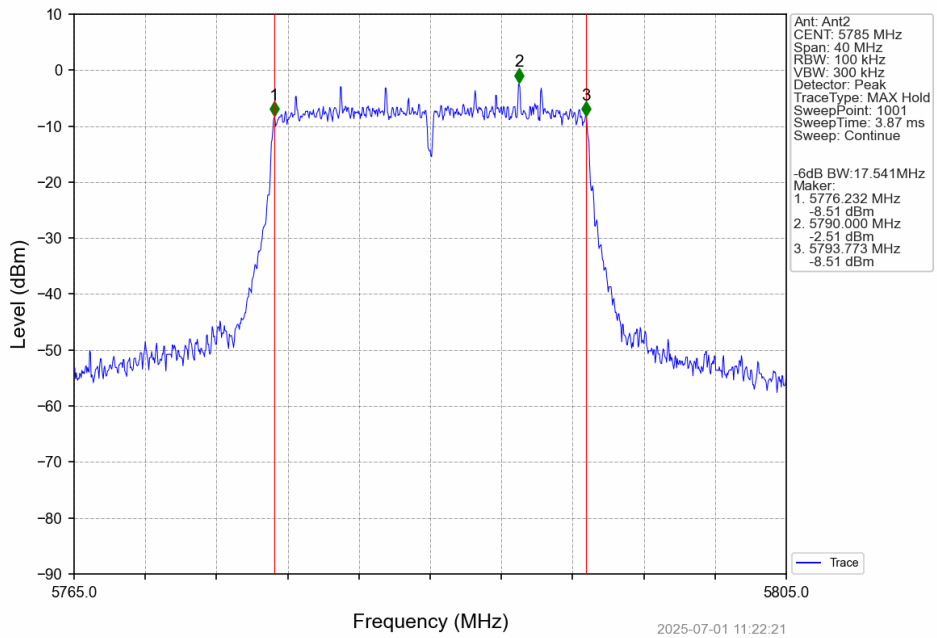
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



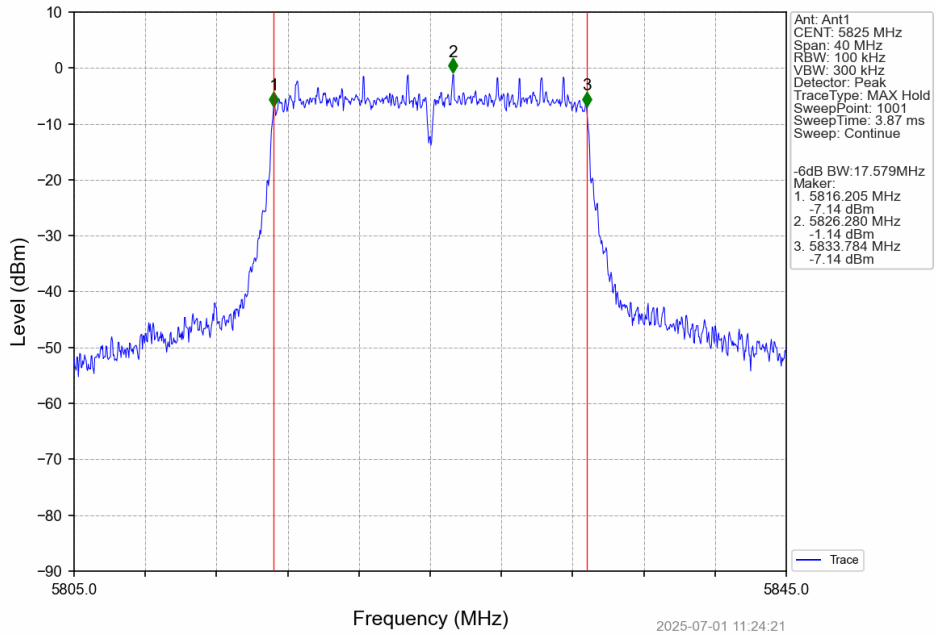
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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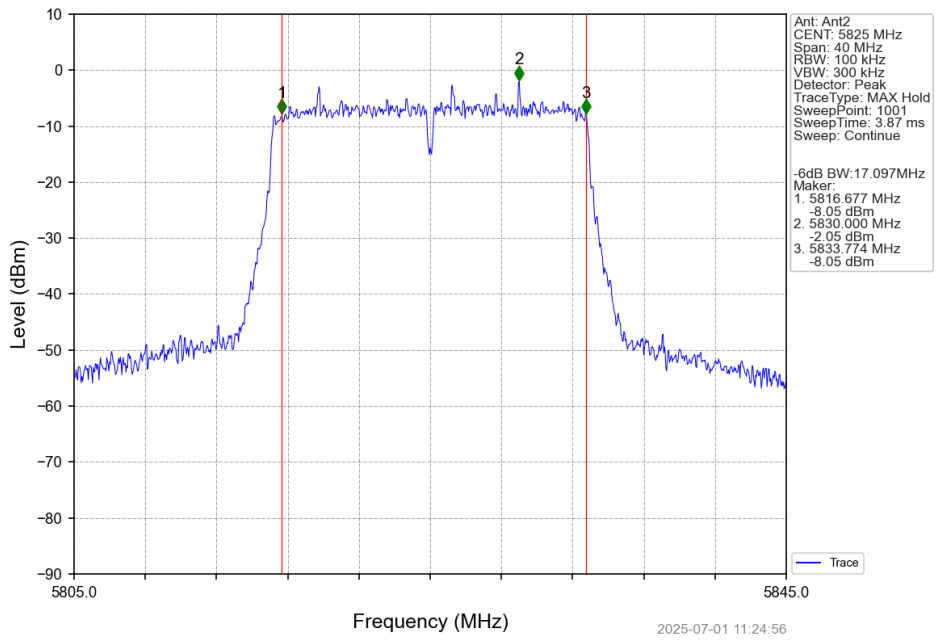
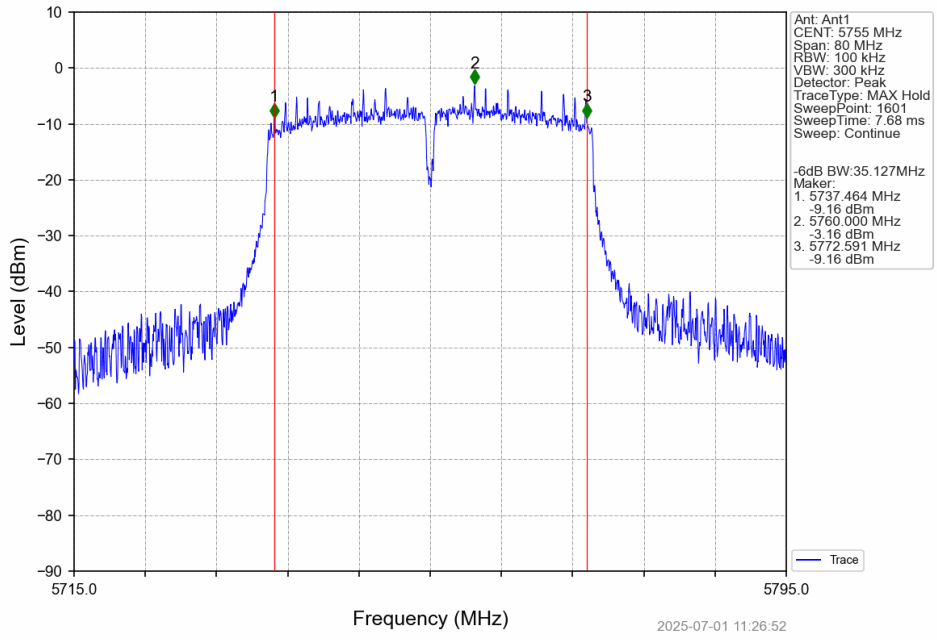
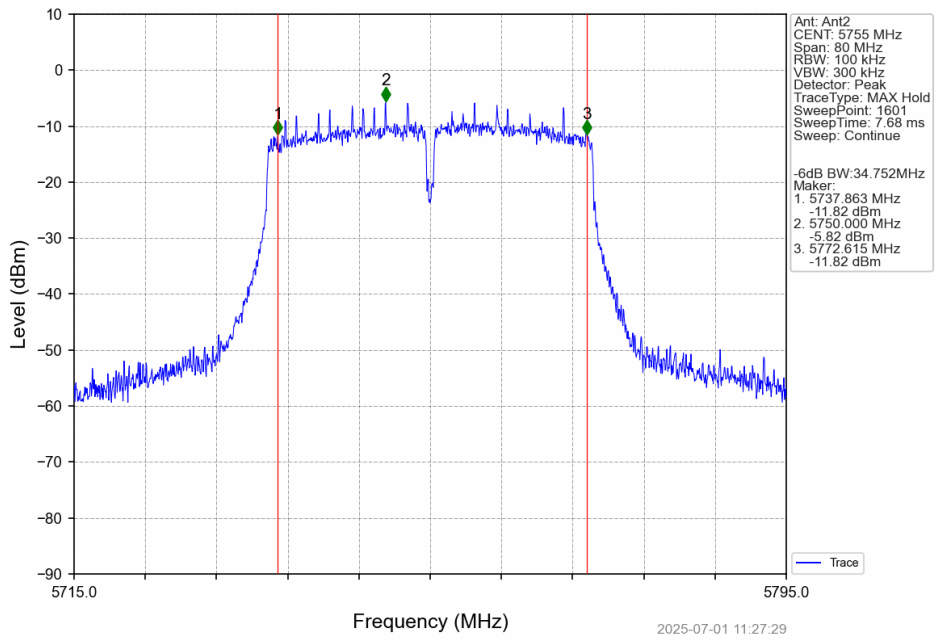


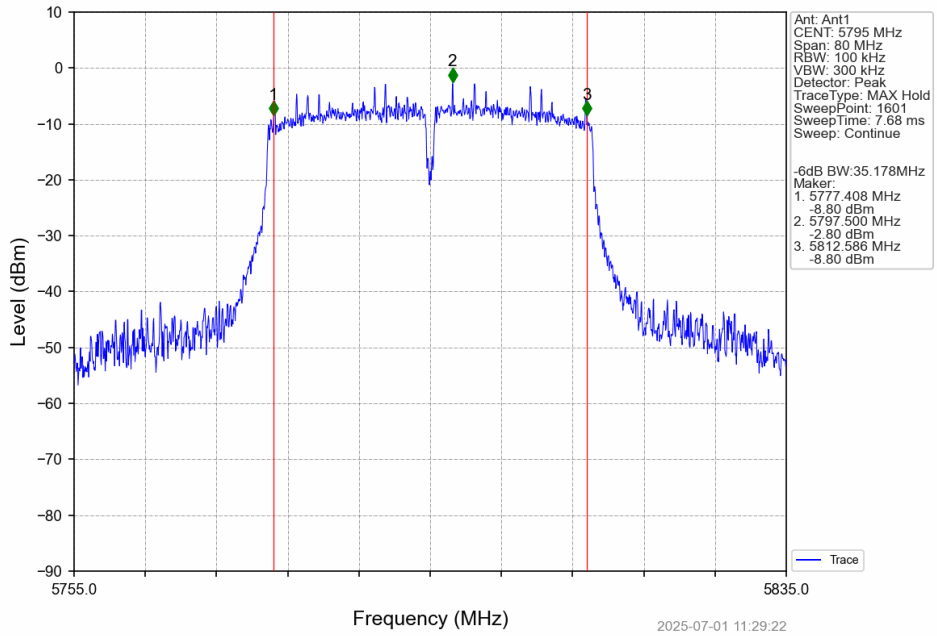
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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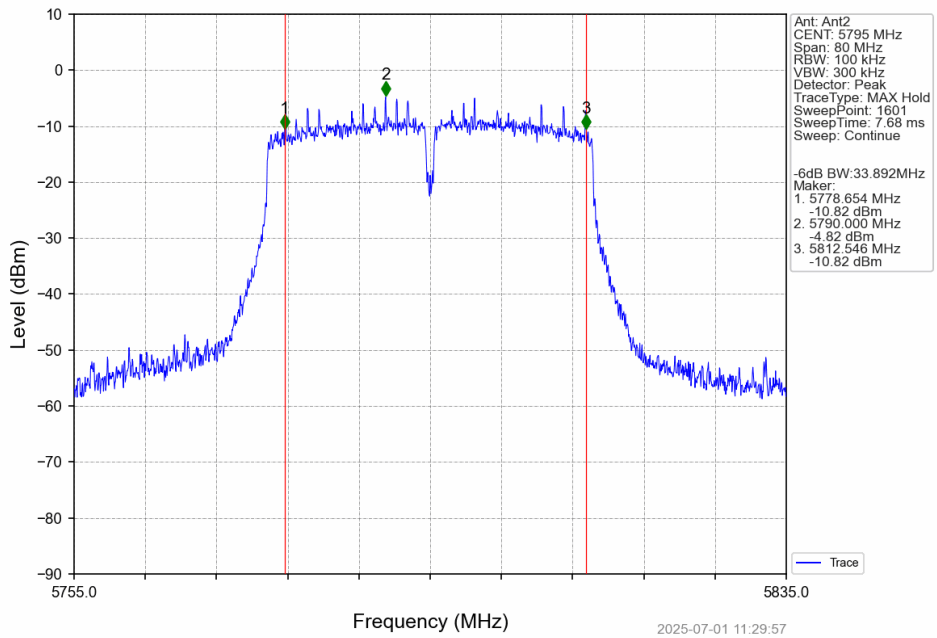
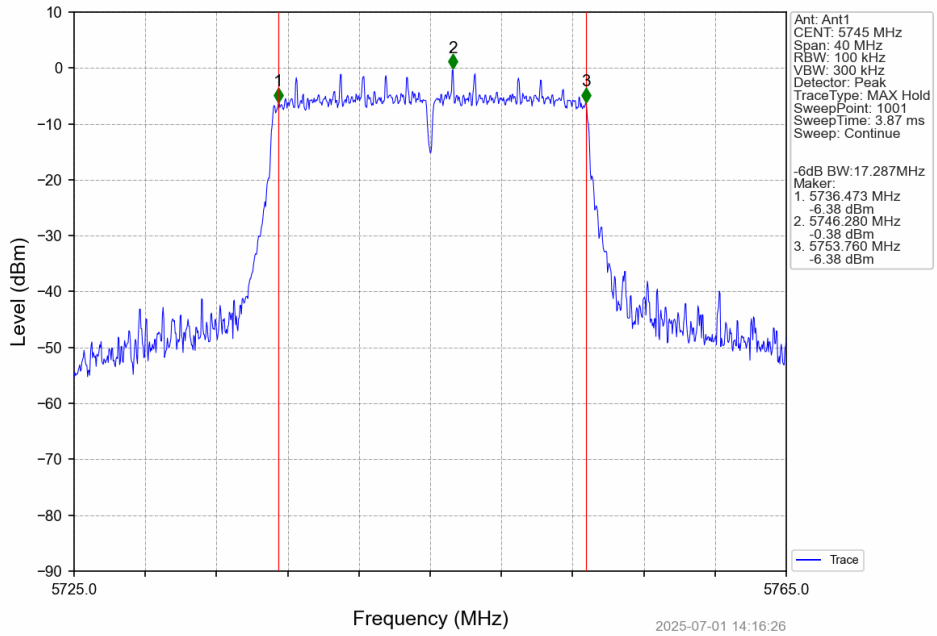


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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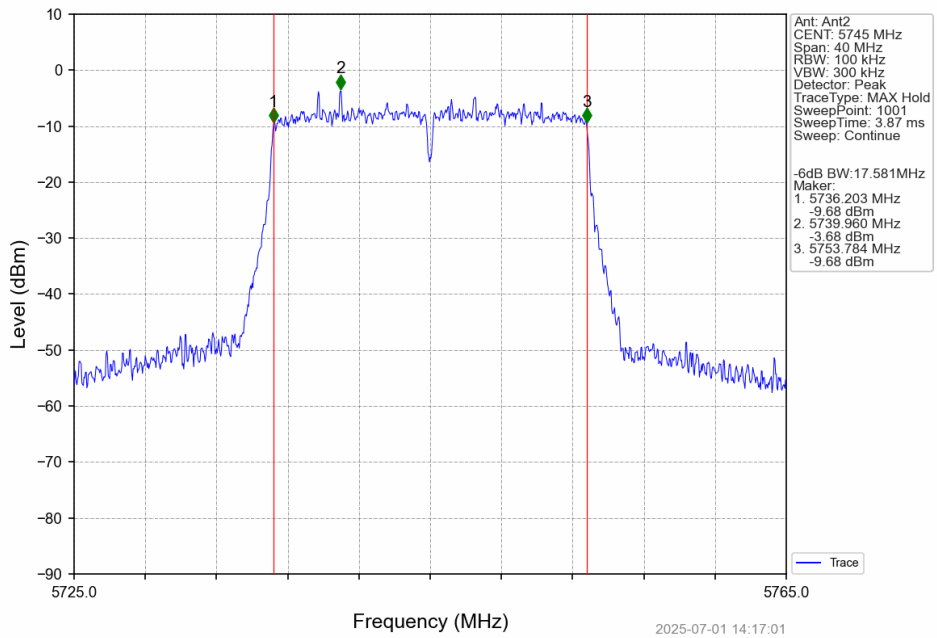
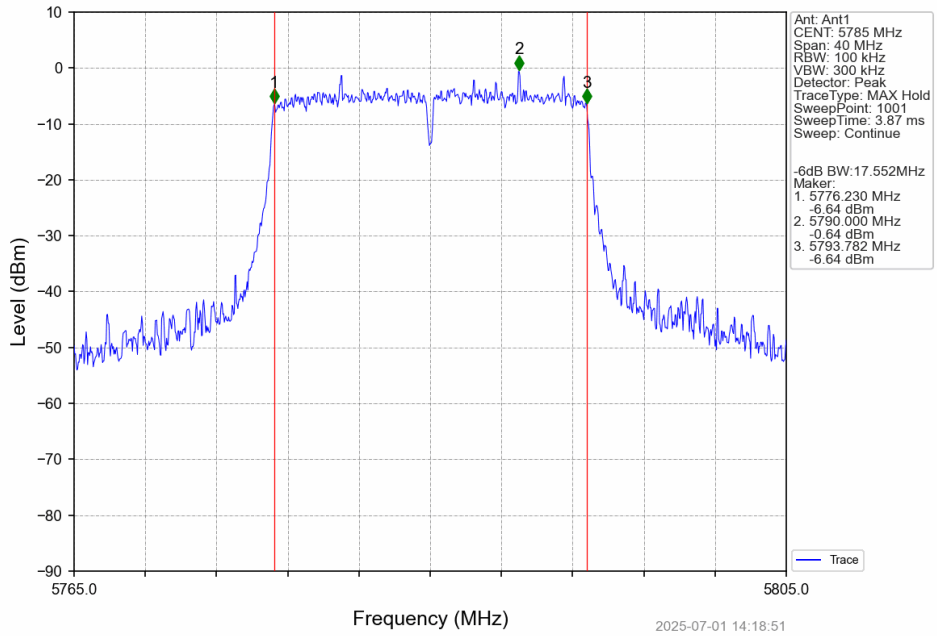


802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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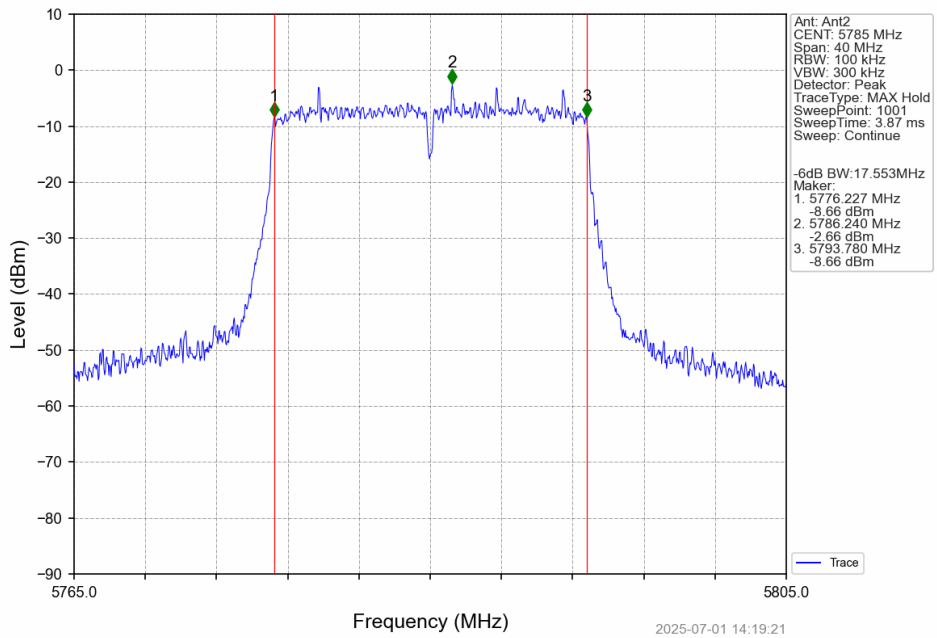

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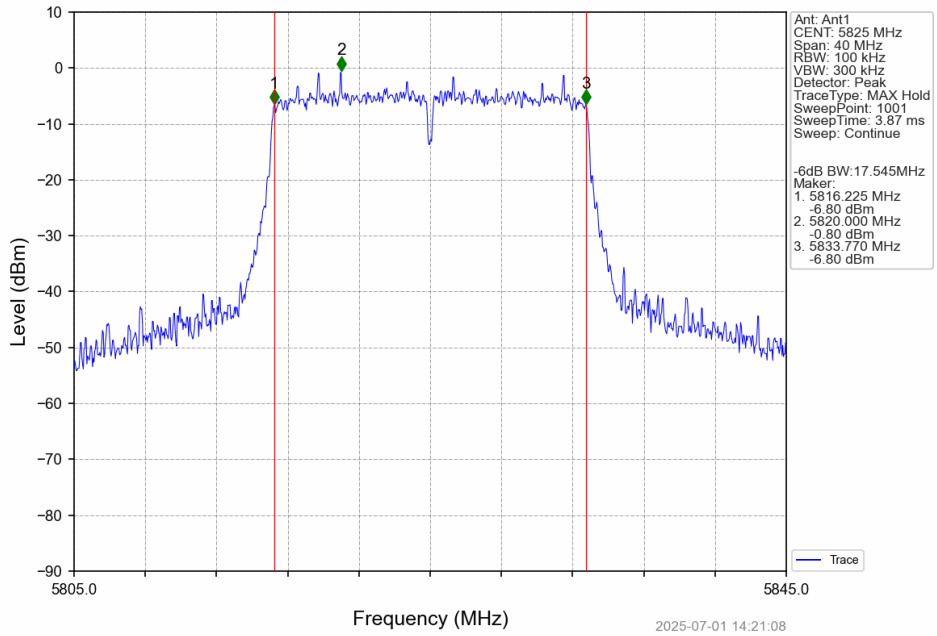
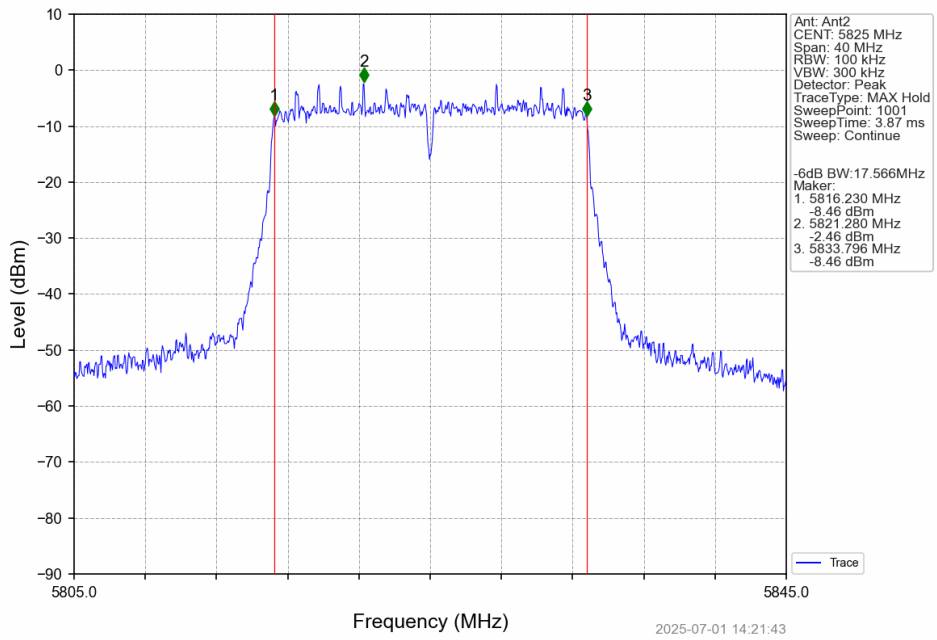
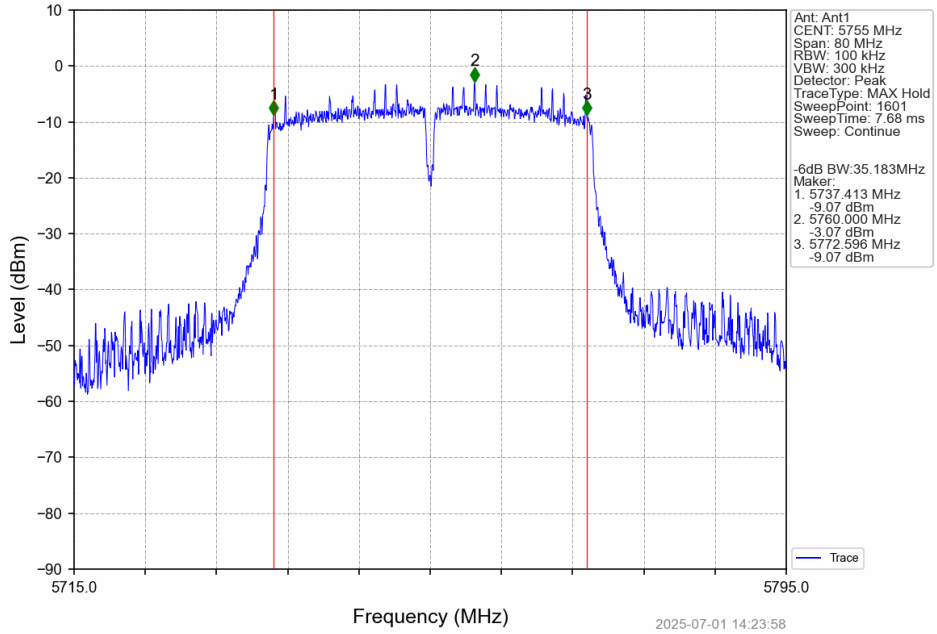


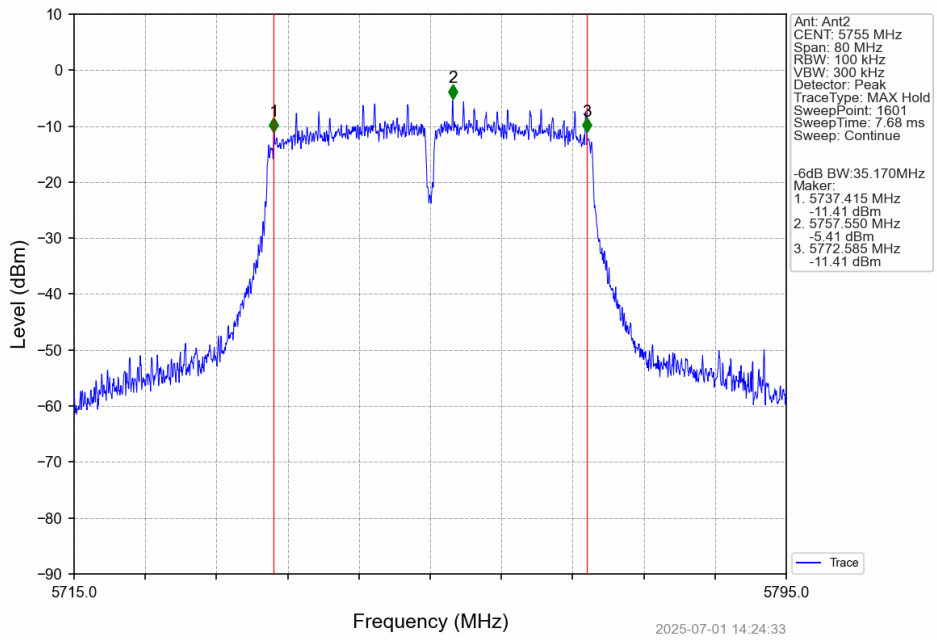
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



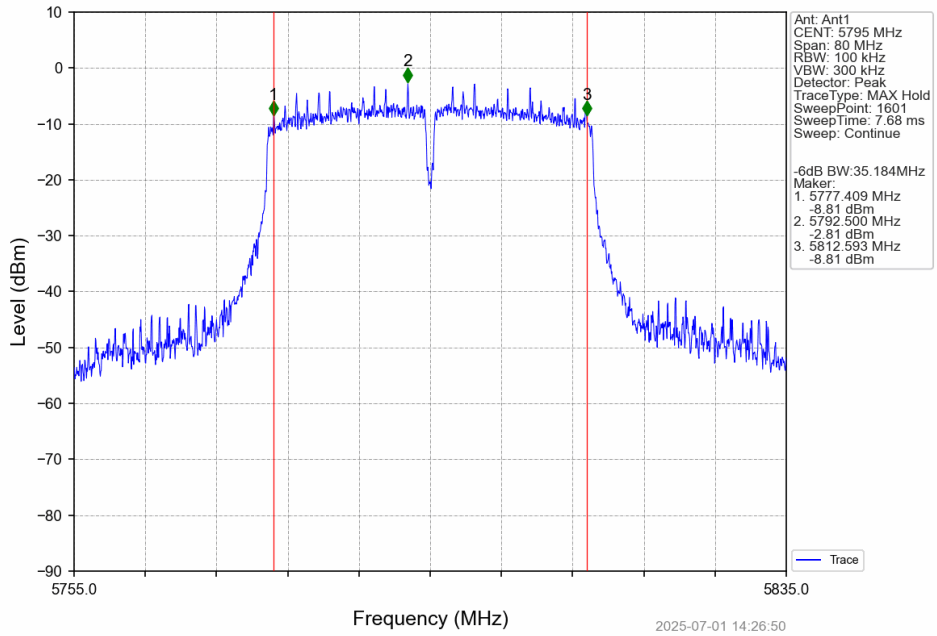
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



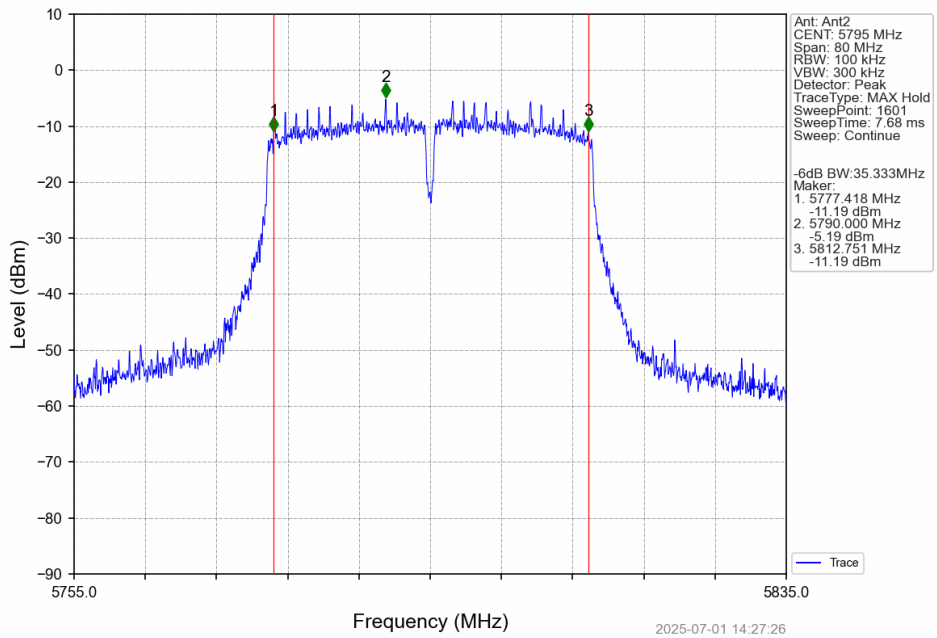
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



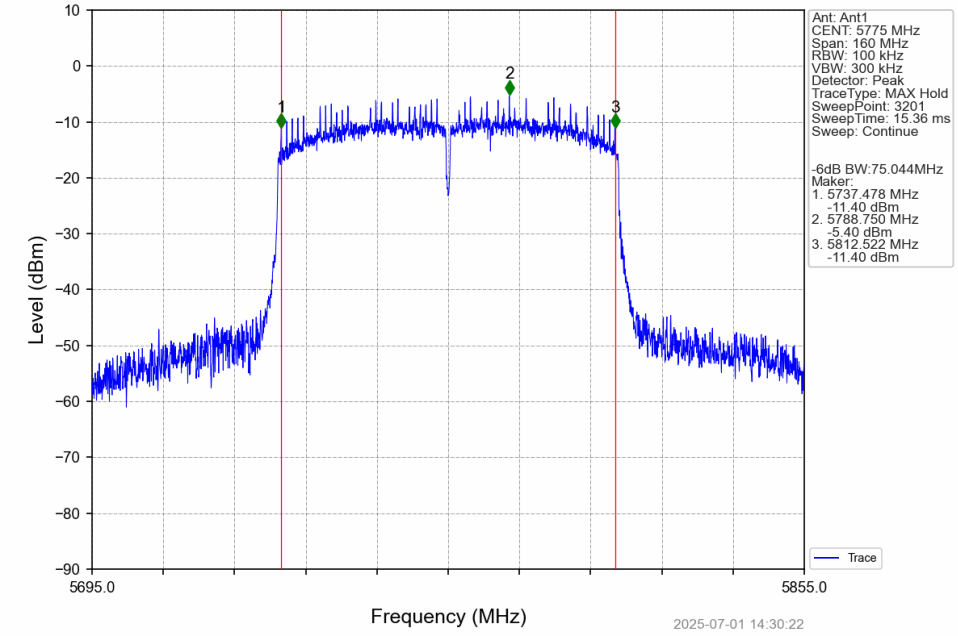
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



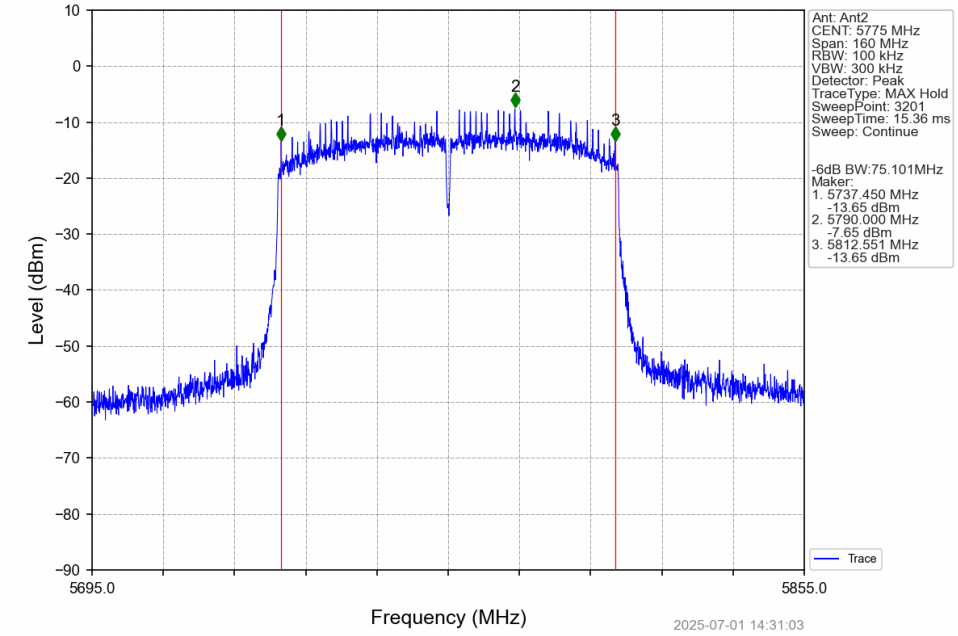
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	9.81	9.19	/	<=23.98	Pass
		5200	8.48	8.63	/	<=23.98	Pass
		5240	8.50	8.51	/	<=23.98	Pass
		5260	7.25	8.09	/	<=23.61	Pass
		5300	7.74	7.73	/	<=23.6	Pass
		5320	7.51	7.66	/	<=23.63	Pass
		5500	6.77	5.27	/	<=23.63	Pass
		5580	8.00	6.54	/	<=23.64	Pass
		5700	9.59	8.01	/	<=23.62	Pass
		5745	10.72	7.88	/	<=30	Pass
		5785	11.24	8.89	/	<=30	Pass
		5825	10.88	9.41	/	<=30	Pass
802.11n (HT20)	MIMO	5180	7.40	7.68	10.55	<=23.98	Pass
		5200	7.58	7.77	10.69	<=23.98	Pass
		5240	8.09	8.26	11.19	<=23.98	Pass
		5260	7.26	7.53	10.41	<=23.84	Pass
		5300	7.14	7.43	10.30	<=23.85	Pass
		5320	6.90	6.75	9.84	<=23.86	Pass
		5500	6.20	5.13	8.71	<=23.84	Pass
		5580	7.68	6.24	10.03	<=23.87	Pass
		5700	9.46	7.88	11.75	<=23.86	Pass
		5745	10.76	7.79	12.53	<=30	Pass
		5785	11.14	8.93	13.18	<=30	Pass
		5825	11.32	9.29	13.43	<=30	Pass
802.11n (HT40)	MIMO	5190	7.52	7.64	10.59	<=23.98	Pass
		5230	8.08	8.17	11.14	<=23.98	Pass
		5270	7.14	7.64	10.41	<=23.98	Pass
		5310	7.23	7.66	10.46	<=23.98	Pass
		5510	6.49	5.91	9.22	<=23.98	Pass
		5550	8.02	7.20	10.64	<=23.98	Pass
		5670	9.29	7.70	11.58	<=23.98	Pass
		5755	11.15	8.82	13.15	<=30	Pass
		5795	11.59	9.62	13.73	<=30	Pass
802.11ac (VHT20)	MIMO	5180	7.29	7.65	10.48	<=23.98	Pass
		5200	7.60	7.87	10.75	<=23.98	Pass
		5240	7.59	7.98	10.80	<=23.98	Pass
		5260	7.79	7.83	10.82	<=23.84	Pass
		5300	7.53	7.51	10.53	<=23.85	Pass
		5320	6.79	6.90	9.86	<=23.88	Pass
		5500	6.04	5.08	8.60	<=23.85	Pass
		5580	7.41	6.14	9.83	<=23.86	Pass
		5700	9.26	7.61	11.52	<=23.85	Pass
		5745	10.96	7.91	12.71	<=30	Pass
		5785	10.91	8.61	12.92	<=30	Pass
		5825	10.63	9.14	12.96	<=30	Pass
802.11ac (VHT40)	MIMO	5190	7.31	7.69	10.51	<=23.98	Pass
		5230	8.02	8.18	11.11	<=23.98	Pass

		5270	7.13	7.47	10.31	<=23.98	Pass
		5310	7.14	7.39	10.28	<=23.98	Pass
		5510	6.56	5.67	9.15	<=23.98	Pass
		5550	7.97	6.56	10.33	<=23.98	Pass
		5670	9.17	7.73	11.52	<=23.98	Pass
		5755	11.25	8.89	13.24	<=30	Pass
		5795	11.66	9.39	13.68	<=30	Pass
802.11ac (VHT80)	MIMO	5210	9.29	9.37	12.34	<=23.98	Pass
		5290	7.81	8.31	11.08	<=23.98	Pass
		5530	7.75	6.93	10.37	<=23.98	Pass
		5610	8.65	7.43	11.09	<=23.98	Pass
		5775	11.73	9.42	13.74	<=30	Pass

Note1: Antenna Gain:
- Band: 1 Ant1: 2.47dBi;
- Band: 3 Ant1: 4.09dBi;
- Band: 2A Ant1: 2.47dBi;
- Band: 2C Ant1: 3.49dBi;
- Band: 1 Ant2: 1.10dBi;
- Band: 3 Ant2: 3.04dBi;
- Band: 2A Ant2: 1.59dBi;
- Band: 2C Ant2: 2.29dBi;

Note2: Directional Gain: 2.47dBi, 3.49dBi, 4.09dBi

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	-0.36	-1.83	/	<=11	Pass
		5200	-2.80	-2.47	/	<=11	Pass
		5240	-2.86	-2.55	/	<=11	Pass
		5260	-3.80	-3.01	/	<=11	Pass
		5300	-3.54	-3.06	/	<=11	Pass
		5320	-3.86	-3.43	/	<=11	Pass
		5500	-4.15	-5.79	/	<=11	Pass
		5580	-3.36	-4.60	/	<=11	Pass
		5700	-1.41	-2.85	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-4.05	-3.83	-1.04	<=11	Pass
		5200	-3.87	-3.91	-0.98	<=11	Pass
		5240	-3.38	-3.28	-0.38	<=11	Pass
		5260	-4.02	-3.79	-1.13	<=11	Pass
		5300	-4.31	-3.79	-1.18	<=11	Pass
		5320	-4.47	-4.55	-1.59	<=11	Pass
		5500	-5.28	-6.17	-2.83	<=10.5	Pass
		5580	-3.92	-5.04	-1.55	<=10.5	Pass
		5700	-1.85	-3.73	0.18	<=10.5	Pass
802.11n (HT40)	MIMO	5190	-6.46	-6.35	-3.56	<=11	Pass
		5230	-5.67	-5.55	-2.75	<=11	Pass
		5270	-6.95	-6.30	-3.64	<=11	Pass
		5310	-6.71	-6.19	-3.51	<=11	Pass
		5510	-7.25	-7.86	-4.58	<=10.5	Pass
		5550	-5.75	-6.88	-3.41	<=10.5	Pass
		5670	-4.69	-6.23	-2.60	<=10.5	Pass
802.11ac (VHT20)	MIMO	5180	-4.24	-3.88	-1.15	<=11	Pass
		5200	-3.77	-3.68	-0.83	<=11	Pass
		5240	-3.72	-3.40	-0.72	<=11	Pass
		5260	-3.91	-3.65	-0.85	<=11	Pass
		5300	-3.98	-3.93	-1.07	<=11	Pass
		5320	-4.67	-4.16	-1.57	<=11	Pass
		5500	-5.67	-6.29	-3.07	<=10.5	Pass
		5580	-4.06	-5.19	-1.77	<=10.5	Pass
		5700	-2.47	-3.71	-0.12	<=10.5	Pass
802.11ac (VHT40)	MIMO	5190	-6.76	-6.21	-3.56	<=11	Pass
		5230	-5.80	-5.94	-2.99	<=11	Pass
		5270	-7.05	-6.74	-3.93	<=11	Pass
		5310	-6.62	-6.17	-3.65	<=11	Pass
		5510	-7.28	-8.09	-4.83	<=10.5	Pass
		5550	-5.89	-7.44	-3.64	<=10.5	Pass
		5670	-5.07	-6.52	-2.83	<=10.5	Pass
802.11ac (VHT80)	MIMO	5210	-7.72	-7.81	-4.89	<=11	Pass
		5290	-8.68	-8.63	-5.67	<=11	Pass
		5530	-8.55	-9.78	-6.17	<=10.5	Pass
		5610	-8.51	-9.45	-6.14	<=10.5	Pass
Note1: Antenna Gain: - Band: 2C Ant1: 3.49dBi;							

- Band: 1 Ant1: 2.47dBi; - Band: 3 Ant1: 4.09dBi; - Band: 2A Ant1: 2.47dBi; - Band: 2C Ant2: 2.29dBi; - Band: 1 Ant2: 1.10dBi; - Band: 3 Ant2: 3.04dBi; - Band: 2A Ant2: 1.59dBi;

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-3.40	-5.84	/	<=30	Pass
		5785	-3.09	-5.25	/	<=30	Pass
		5825	-3.37	-4.67	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-3.72	-6.33	-1.90	<=28.9	Pass
		5785	-3.47	-5.69	-1.52	<=28.9	Pass
		5825	-3.16	-5.02	-1.01	<=28.9	Pass
802.11n (HT40)	MIMO	5755	-5.58	-8.12	-3.69	<=28.9	Pass
		5795	-5.23	-7.29	-3.26	<=28.9	Pass
802.11ac (VHT20)	MIMO	5745	-3.48	-6.43	-1.80	<=28.9	Pass
		5785	-3.71	-5.71	-1.67	<=28.9	Pass
		5825	-3.71	-4.95	-1.49	<=28.9	Pass
802.11ac (VHT40)	MIMO	5755	-5.79	-8.16	-3.83	<=28.9	Pass
		5795	-5.12	-7.58	-3.42	<=28.9	Pass
802.11ac (VHT80)	MIMO	5775	-7.75	-10.04	-5.90	<=28.9	Pass

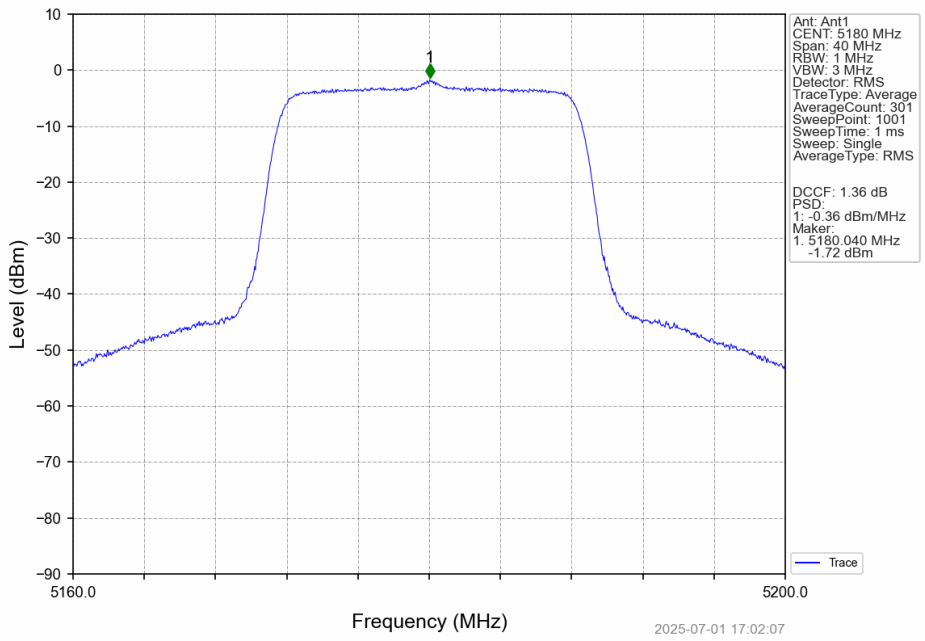
Note1: Antenna Gain:
- Band: 2A Ant1: 2.47dBi;
- Band: 2C Ant1: 3.49dBi;
- Band: 1 Ant1: 2.47dBi;
- Band: 3 Ant1: 4.09dBi;
- Band: 3 Ant2: 3.04dBi;
- Band: 2A Ant2: 1.59dBi;
- Band: 2C Ant2: 2.29dBi;
- Band: 1 Ant2: 1.10dBi;

Note2: Directional Gain: Band1: 5.48dBi, Band2A: 5.48dBi, Band2C: 6.5dBi, Band3: 7.1dBi

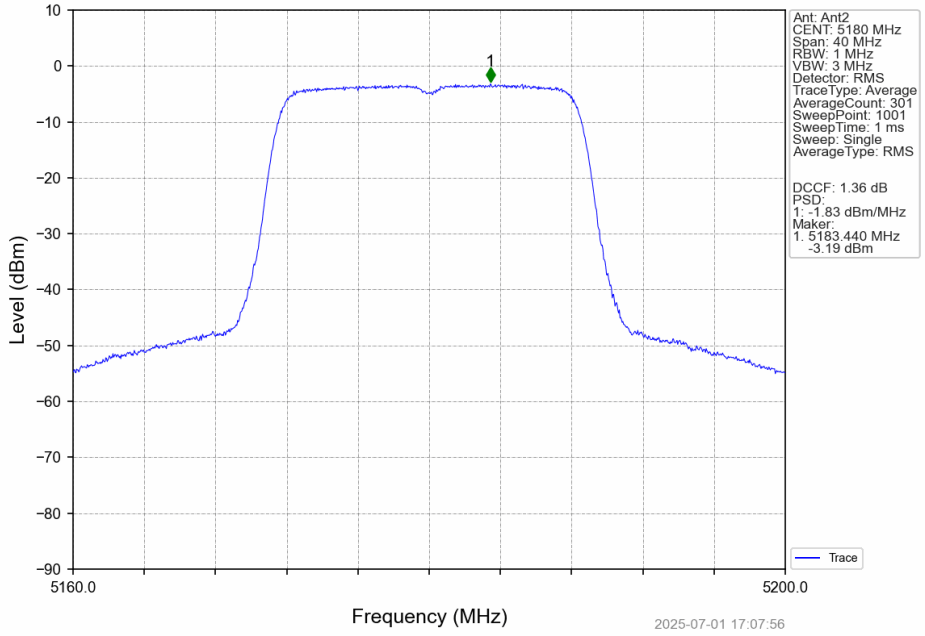
4.2 Test Graph

4.2.1 PSD

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_LCH_5180MHz_Ant2_NTNV



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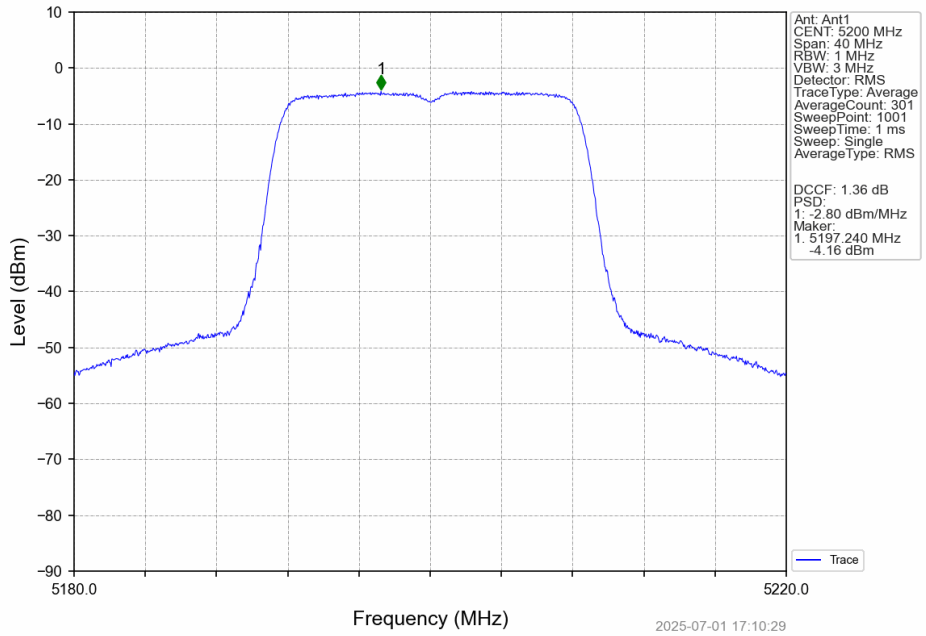

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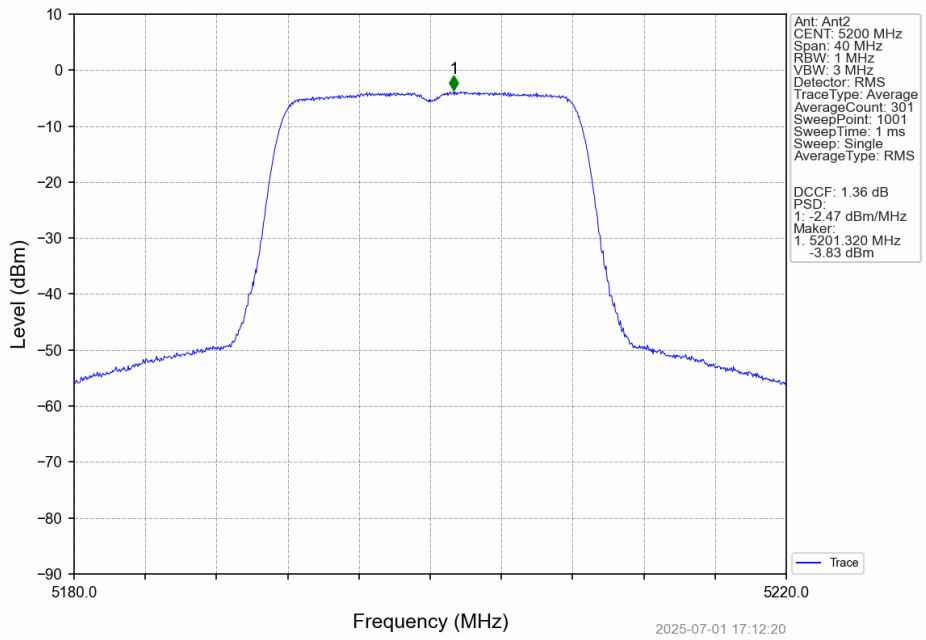
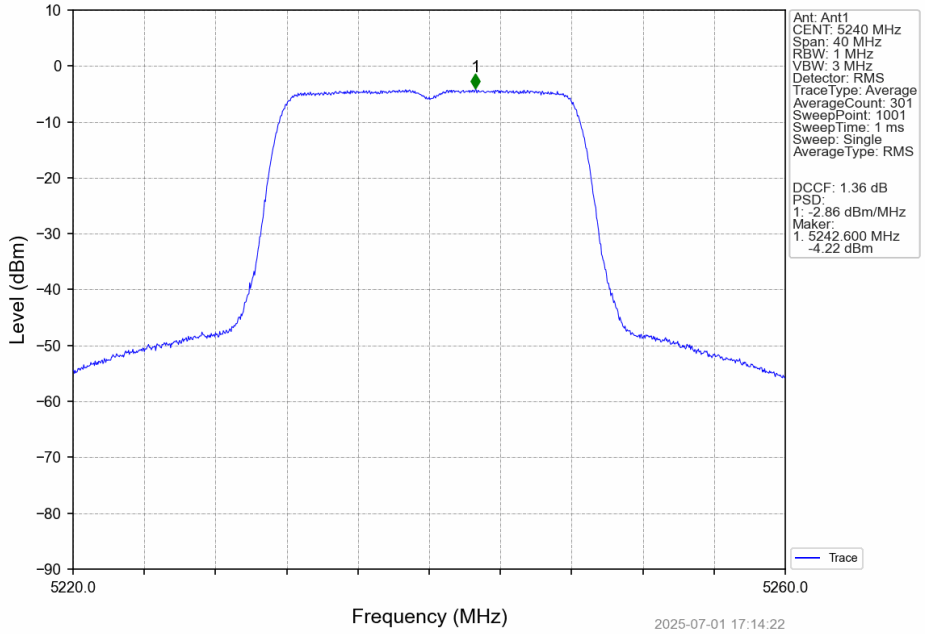


802.11a_HCH_5240MHz_Ant1_NTNV



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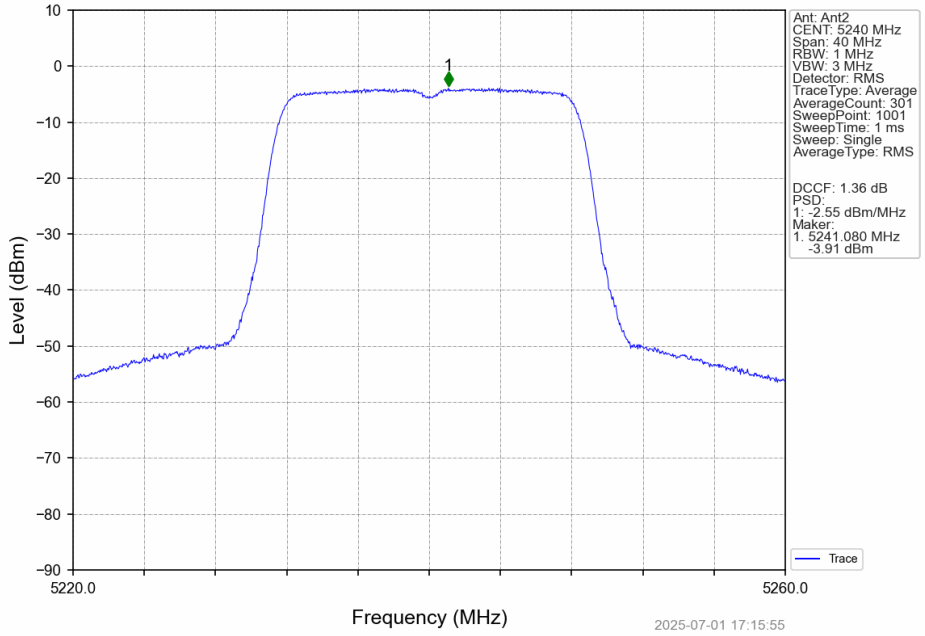
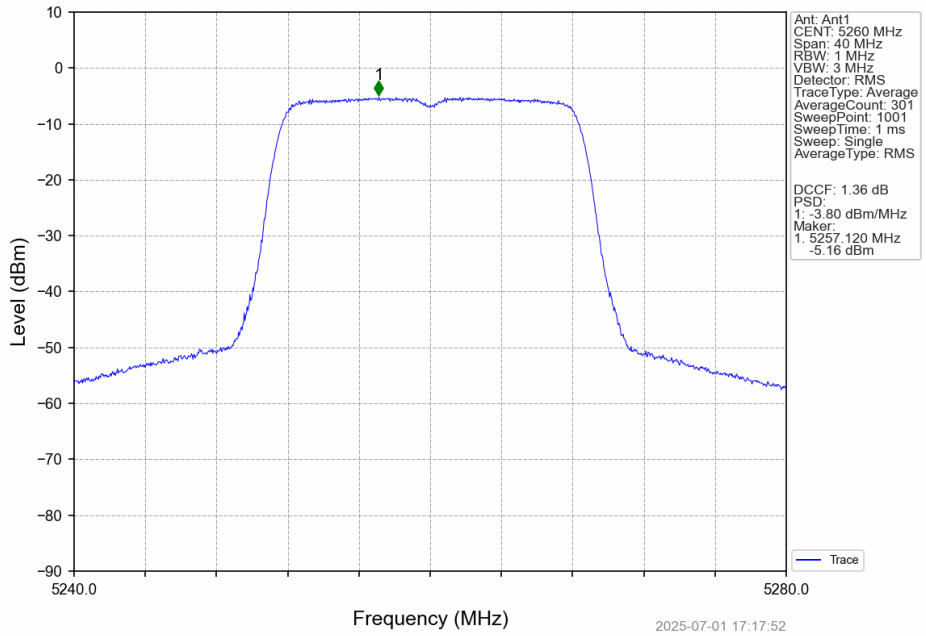


802.11a_LCH_5260MHz_Ant1_NTNV



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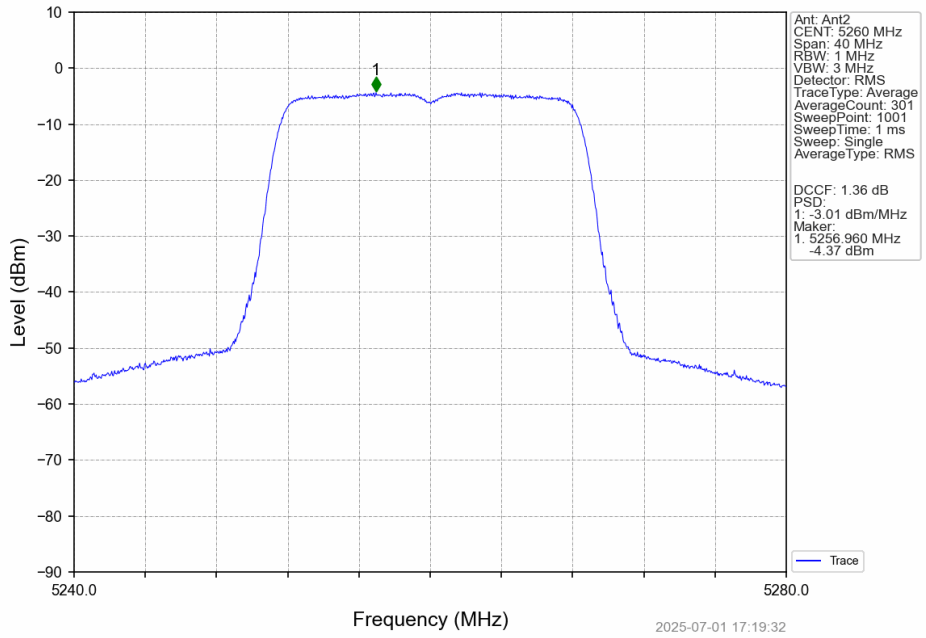

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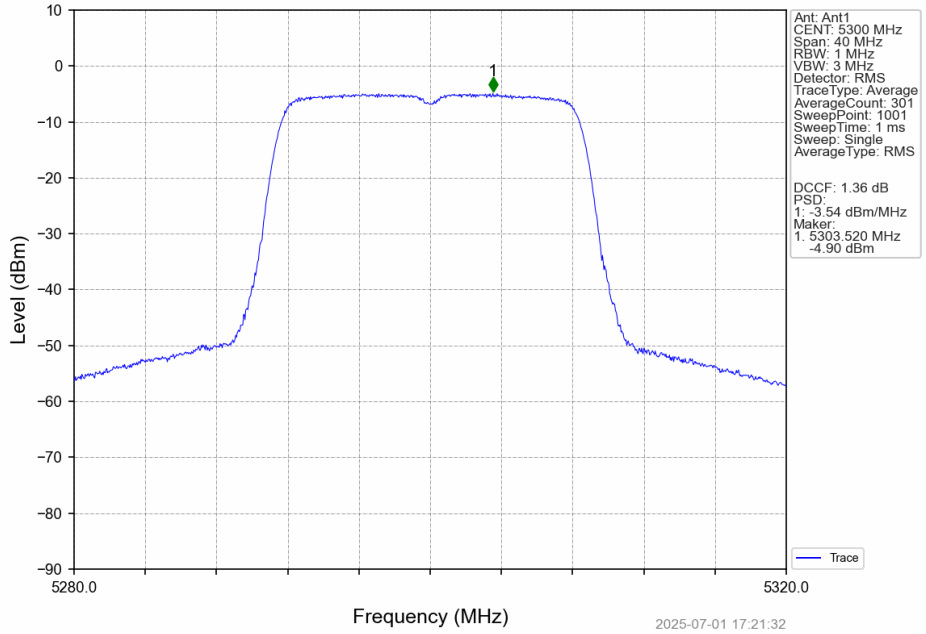
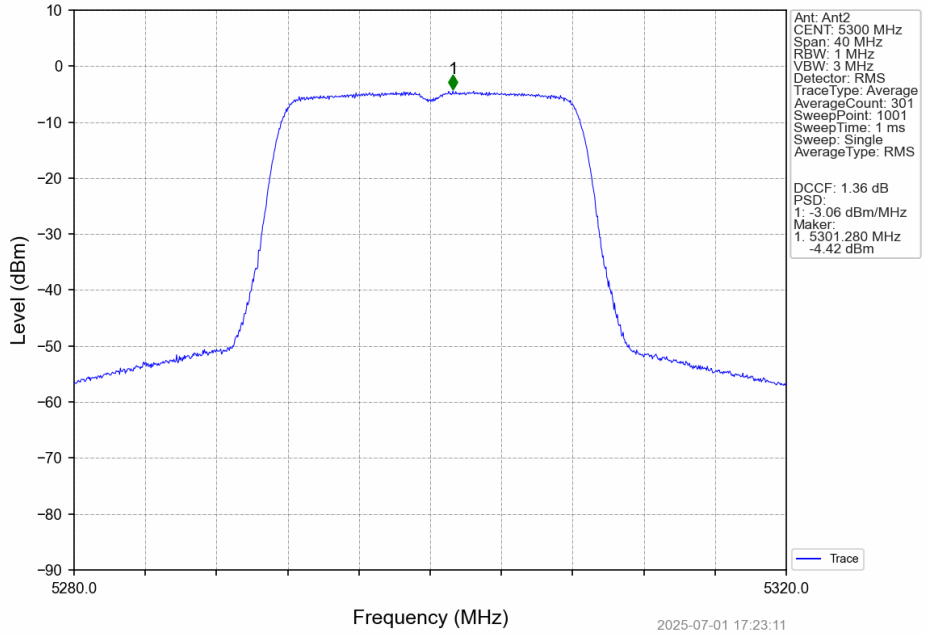
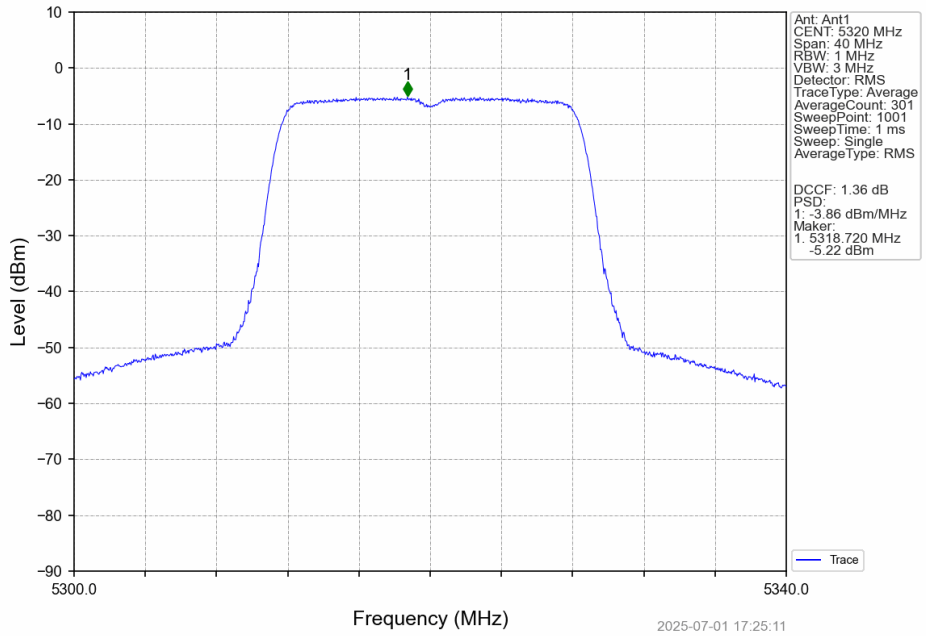


802.11a_MCH_5300MHz_Ant2_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



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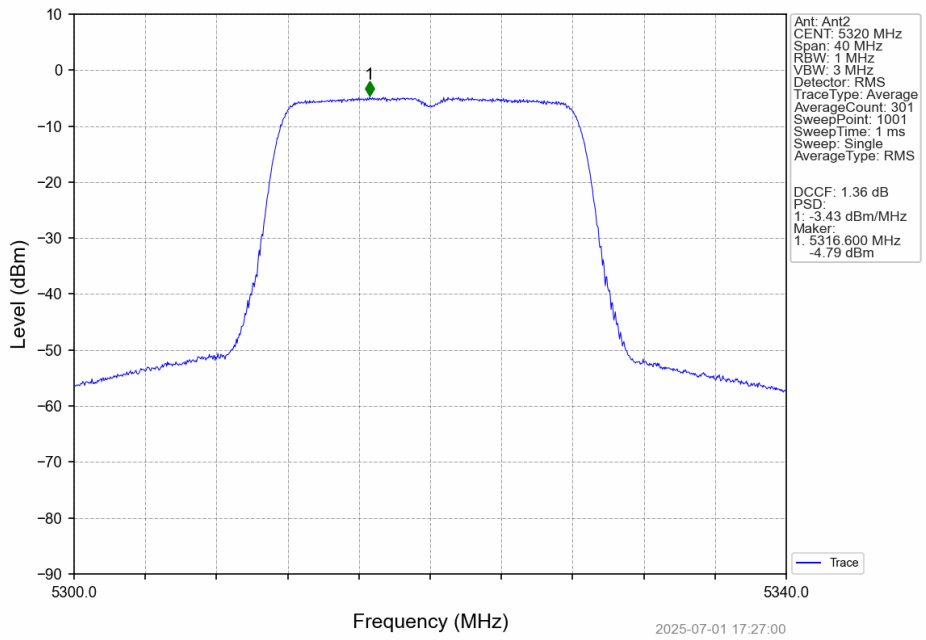
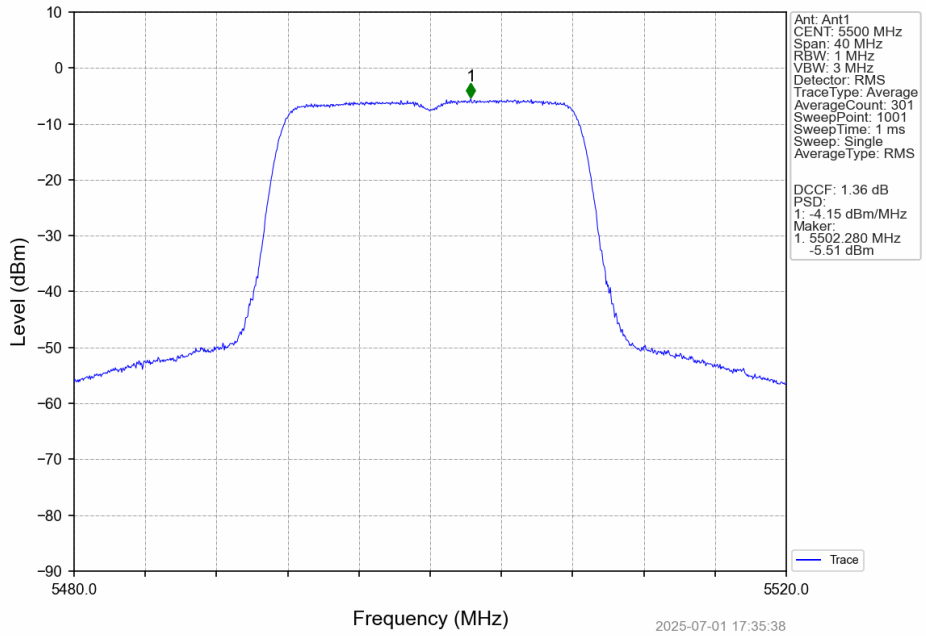


802.11a_LCH_5500MHz_Ant1_NTNV



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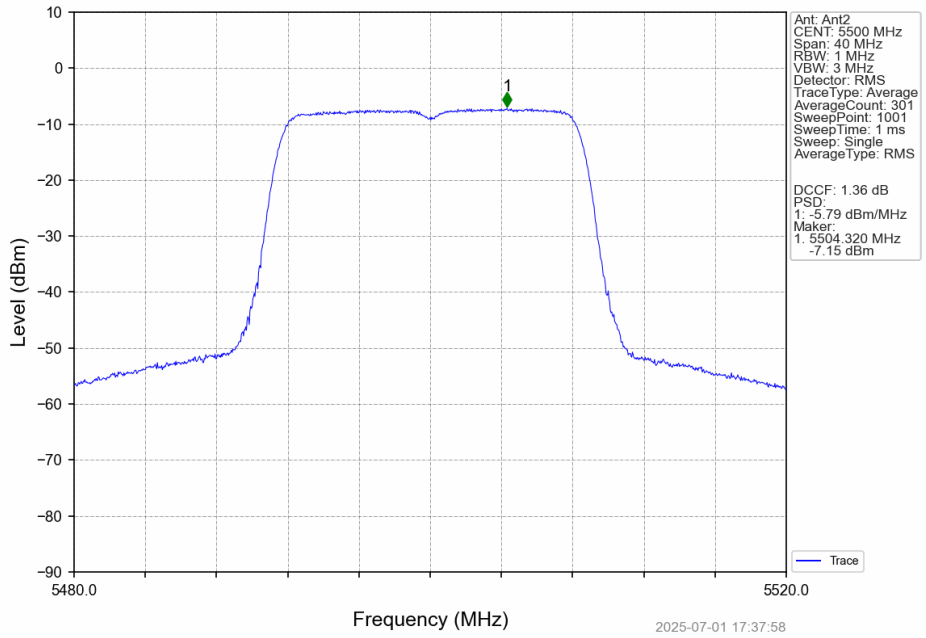
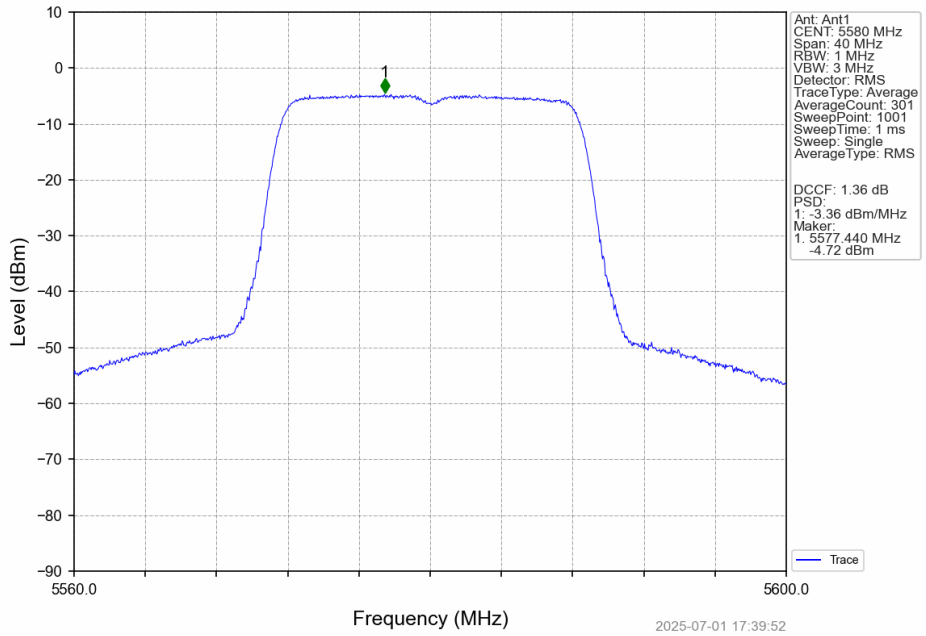
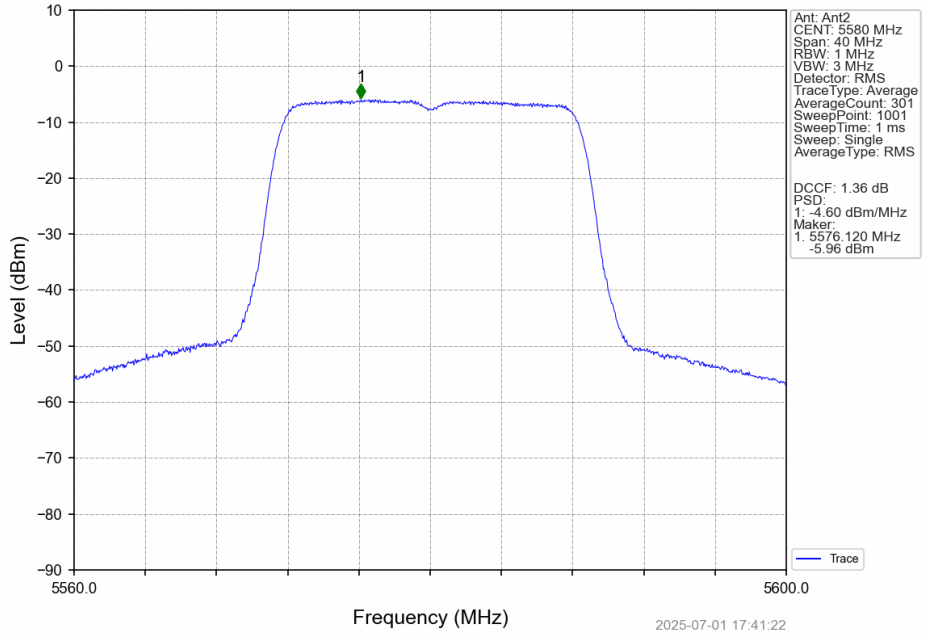


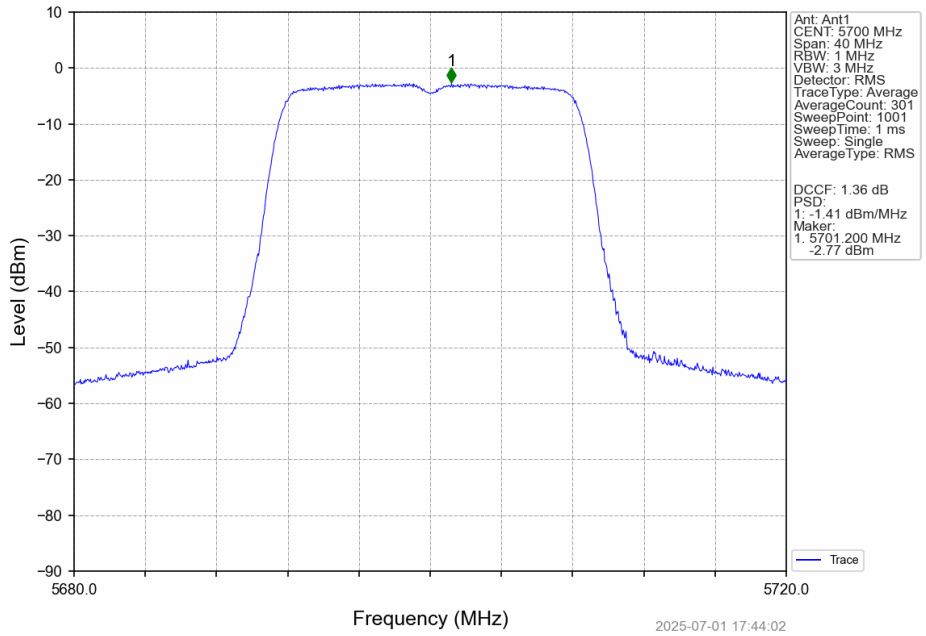
802.11a_MCH_5580MHz_Ant1_NTNV



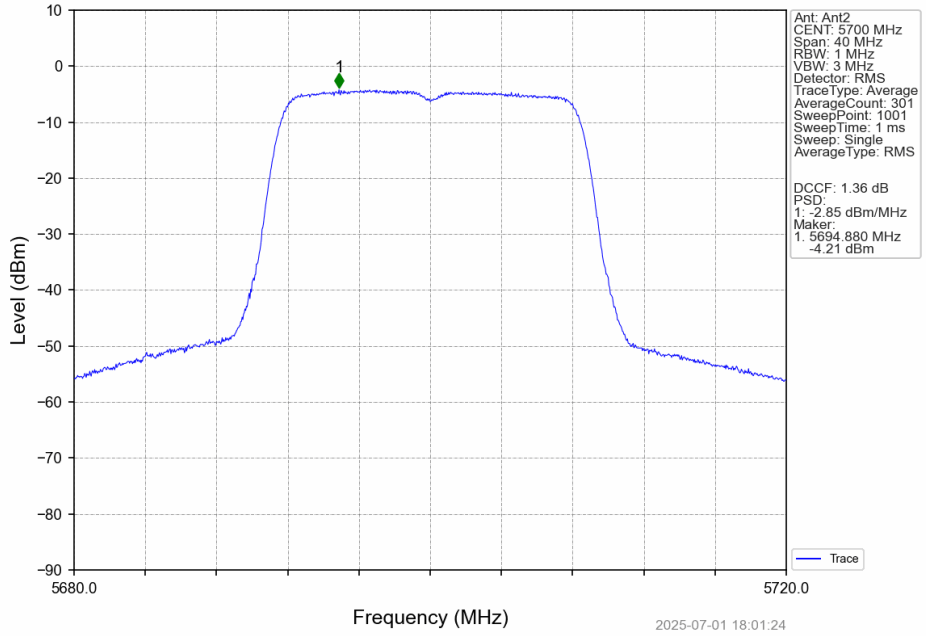
802.11a_MCH_5580MHz_Ant2_NTNV



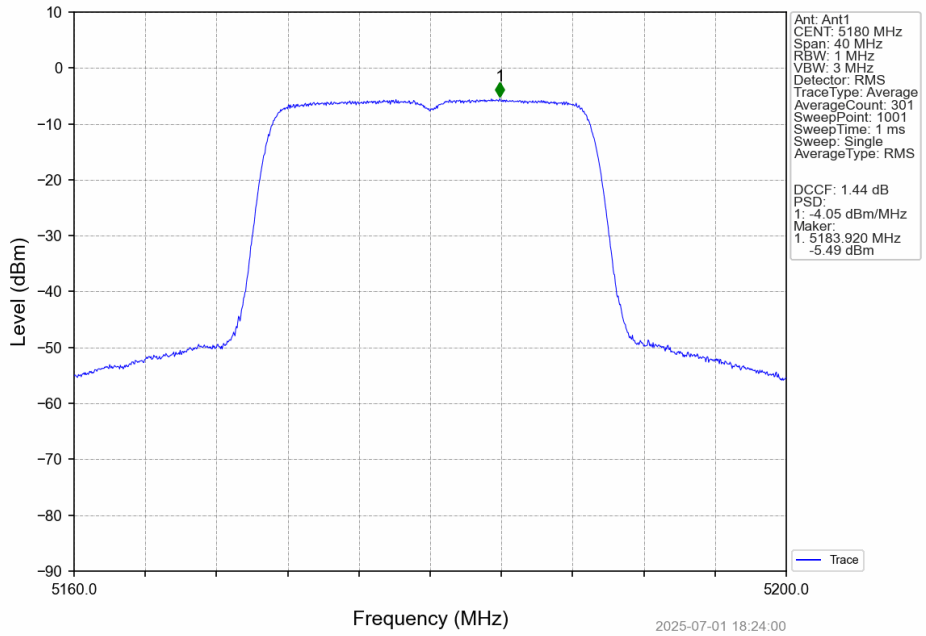
802.11a_HCH_5700MHz_Ant1_NTNV



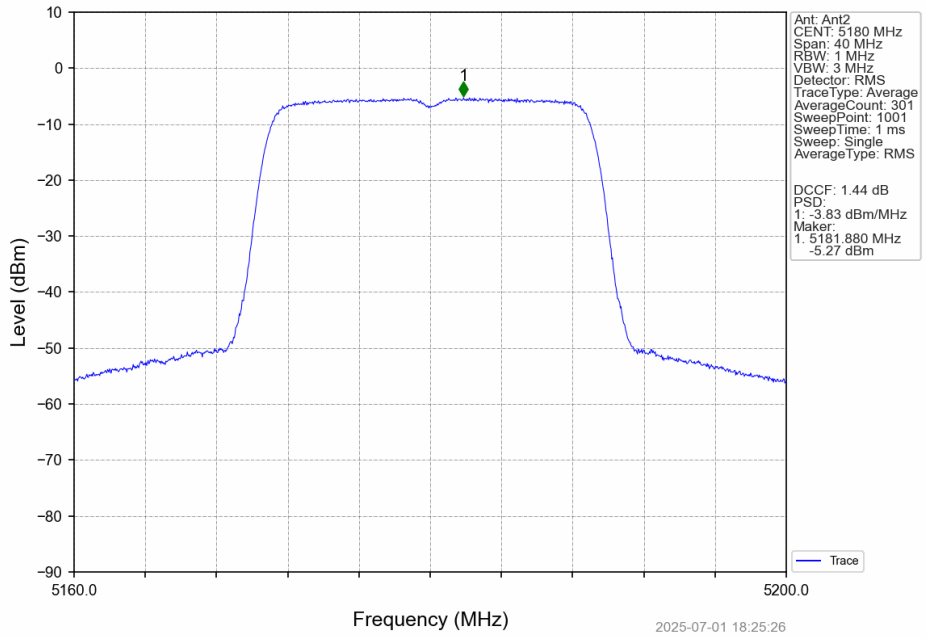
802.11a_HCH_5700MHz_Ant2_NTNV



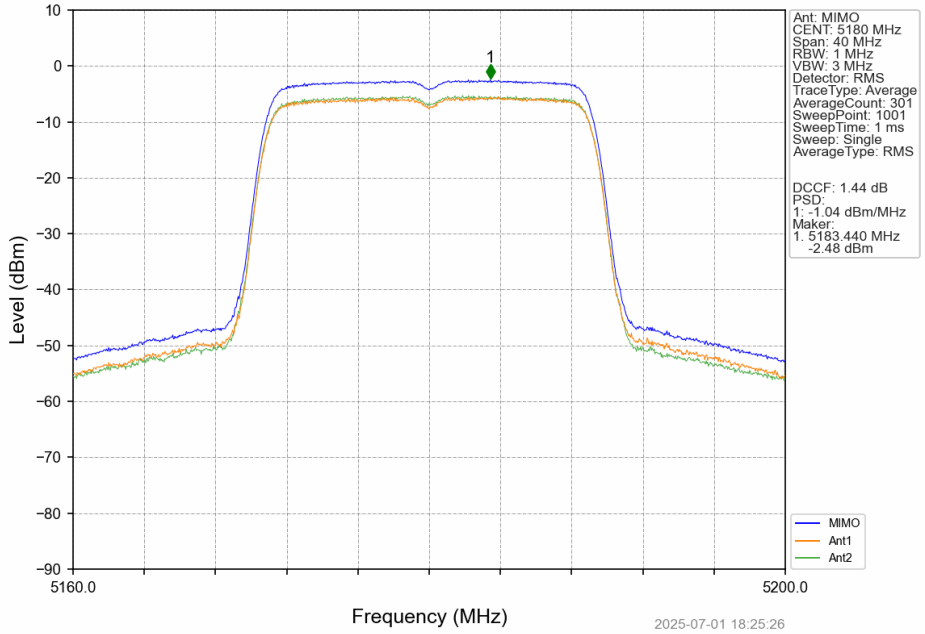
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



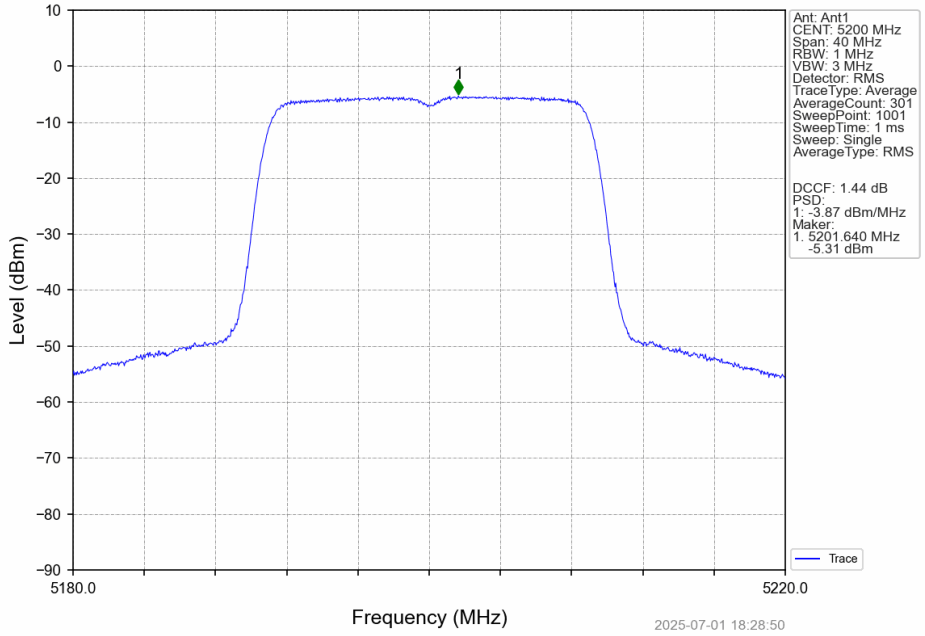
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



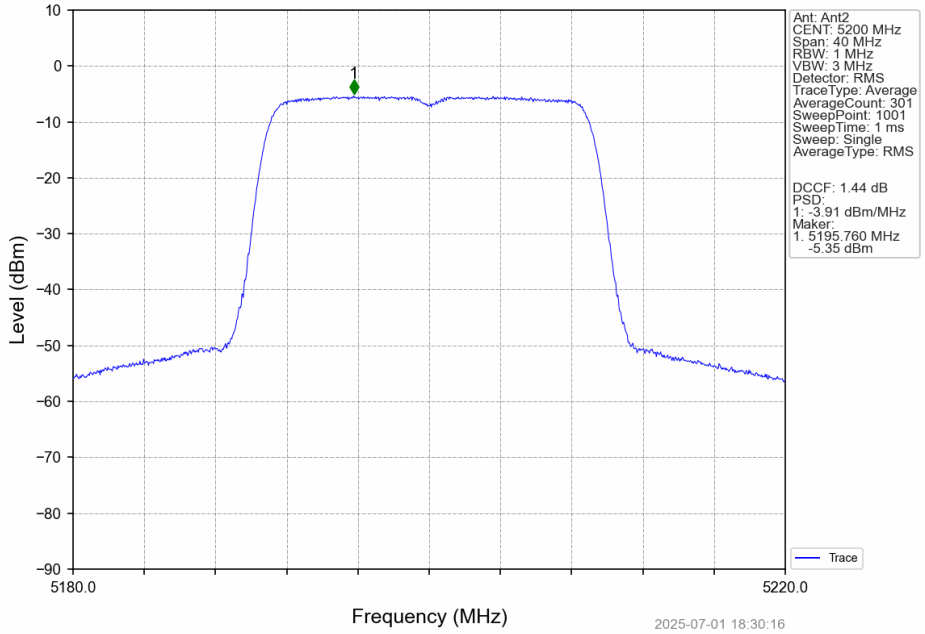
802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



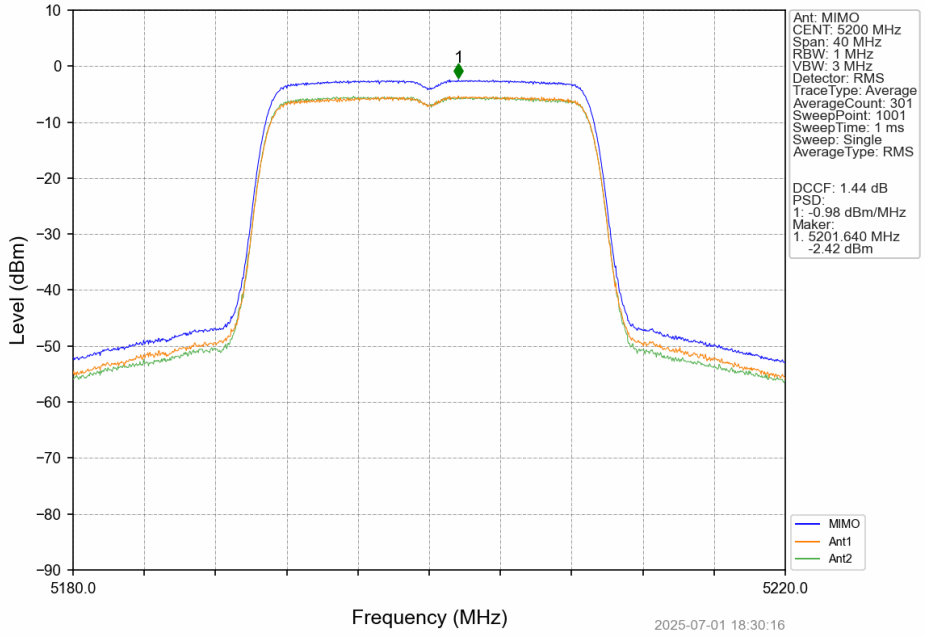
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



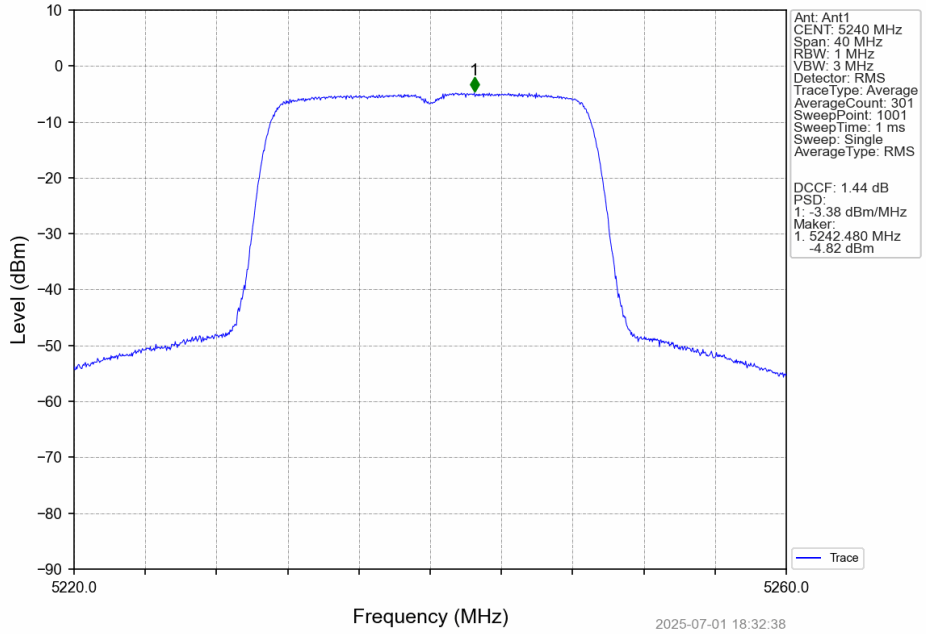
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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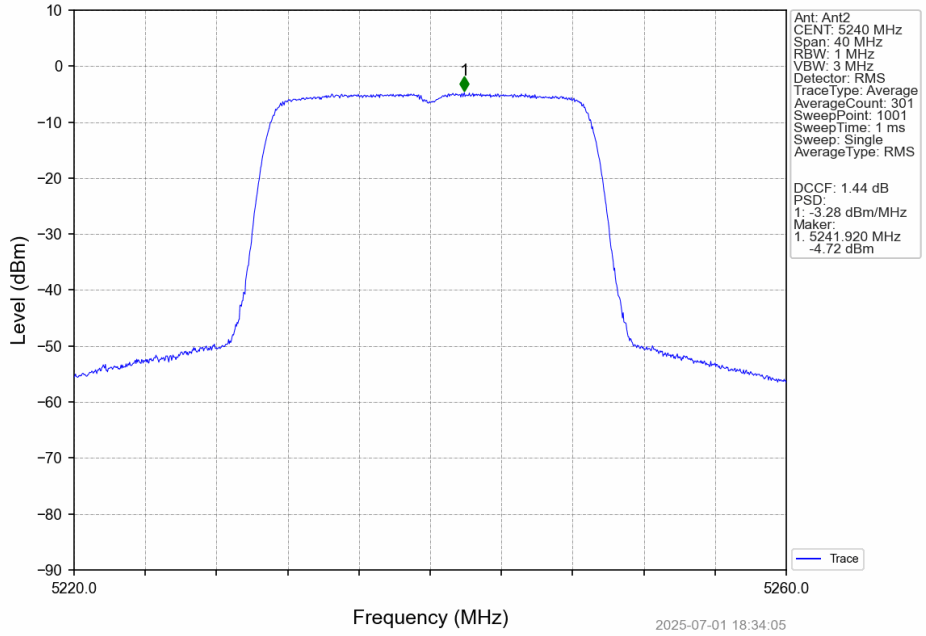
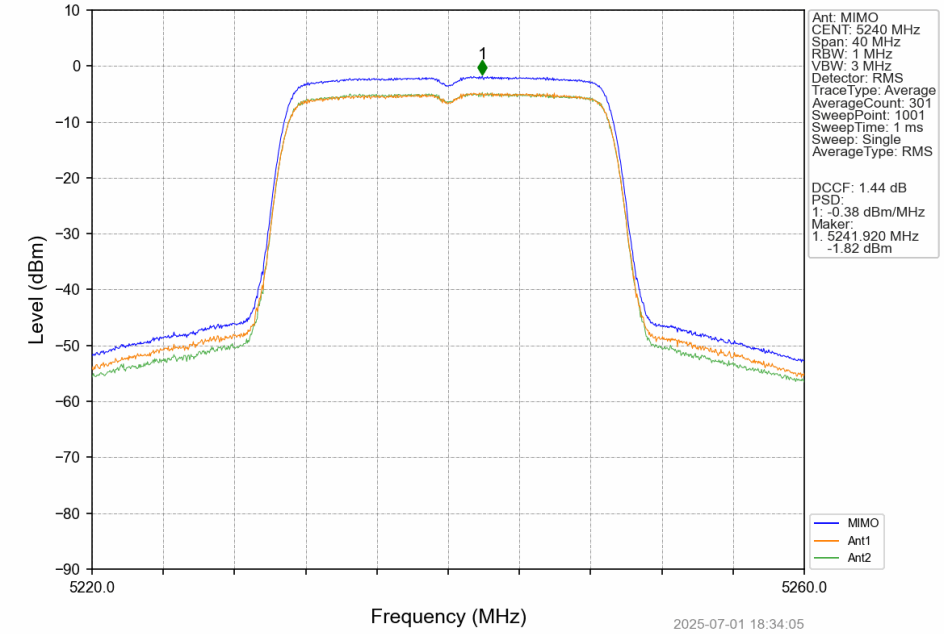
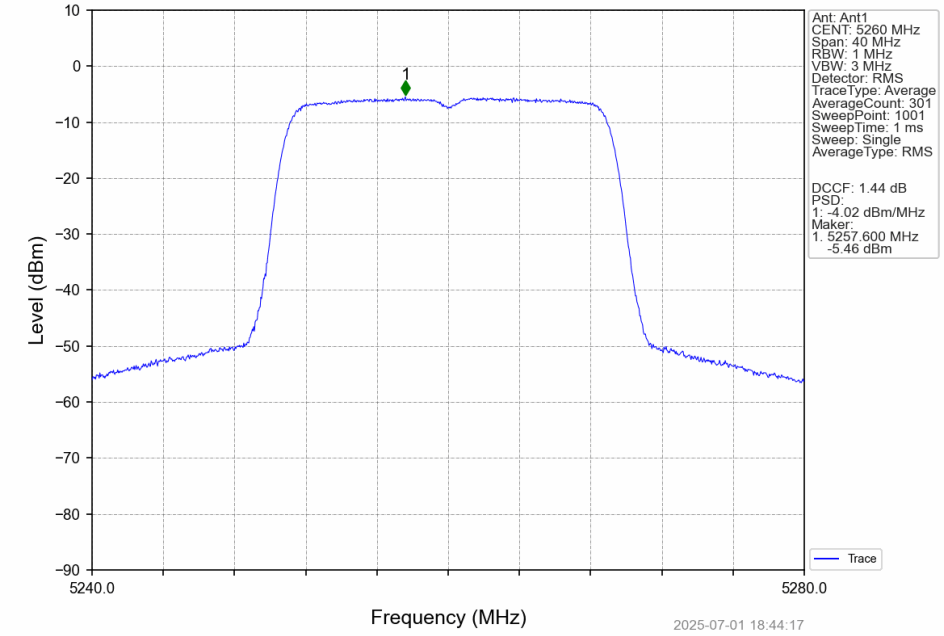


802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



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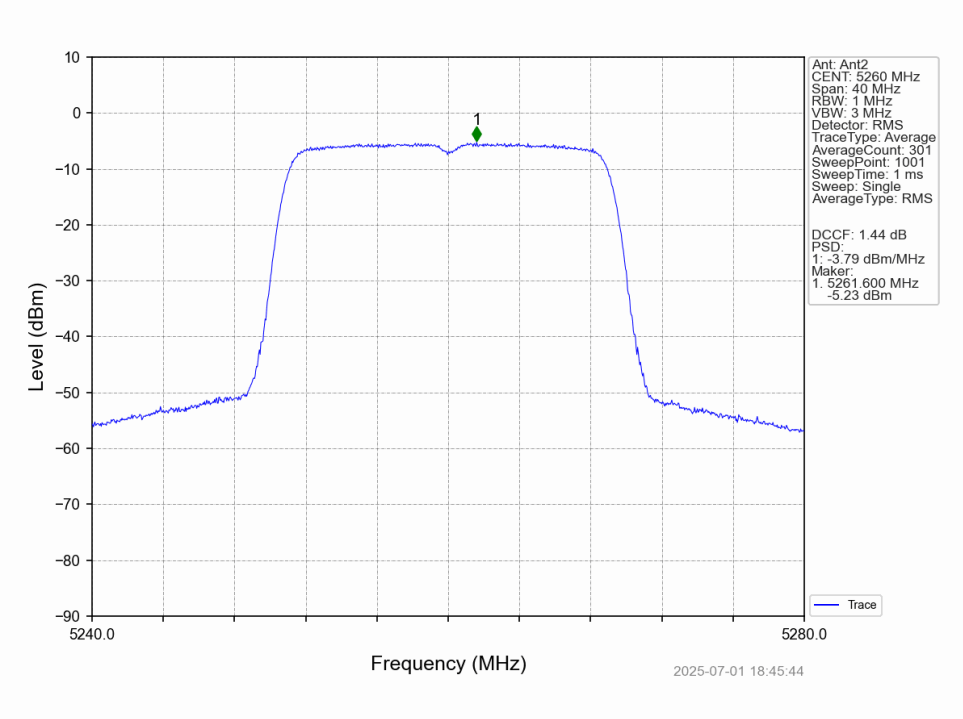

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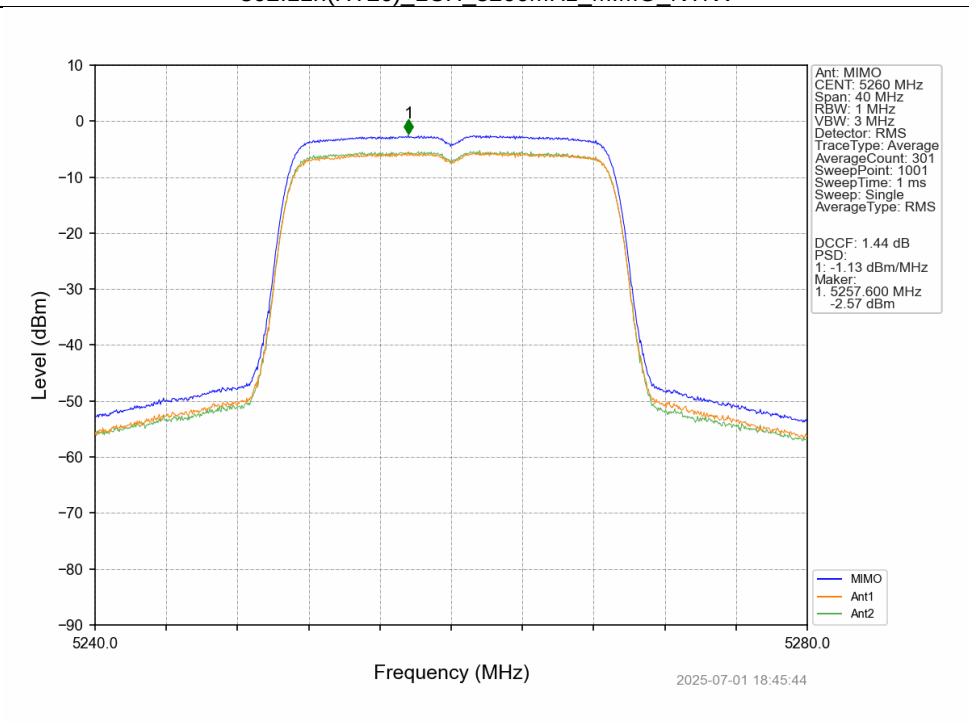

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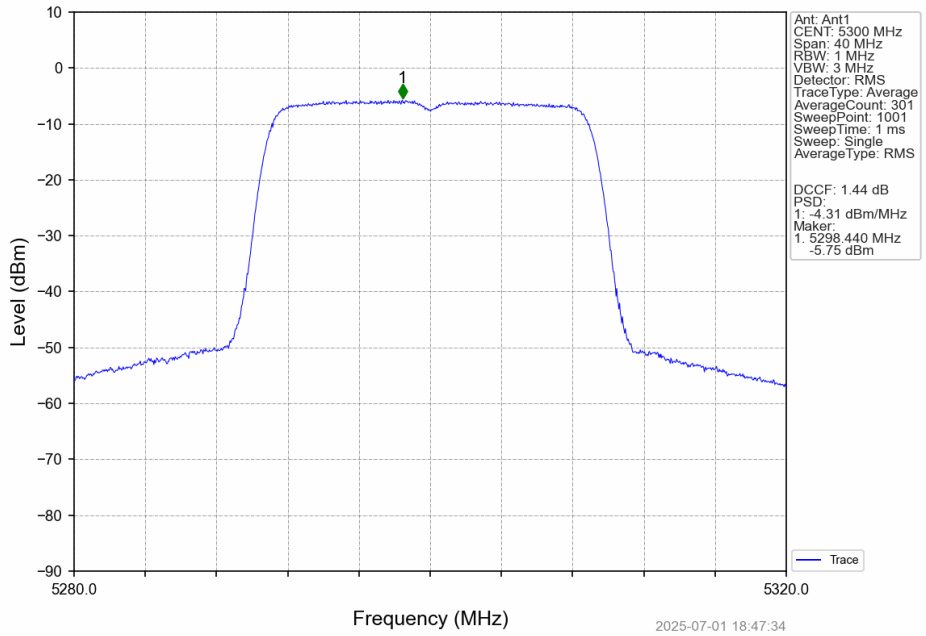

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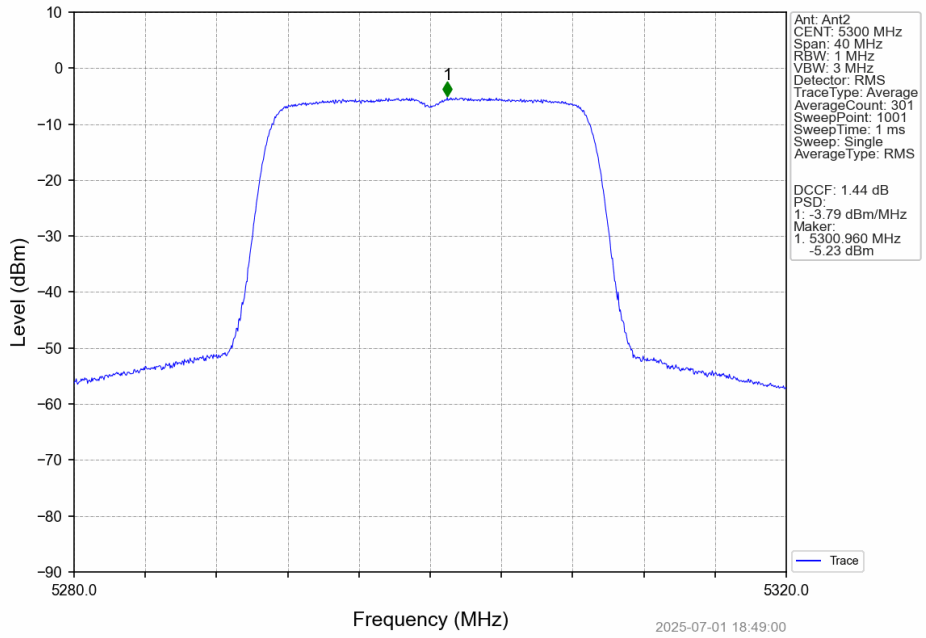

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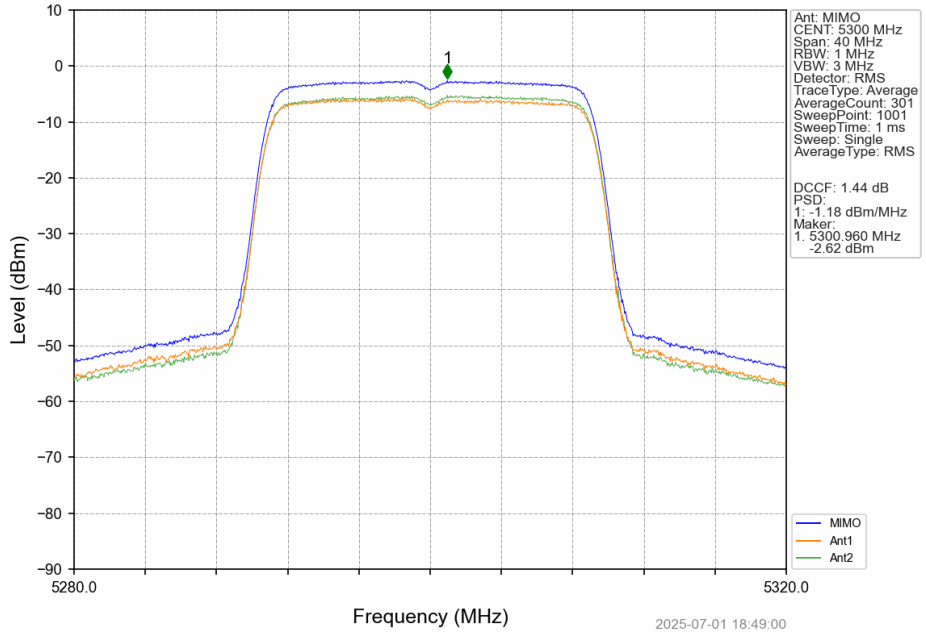

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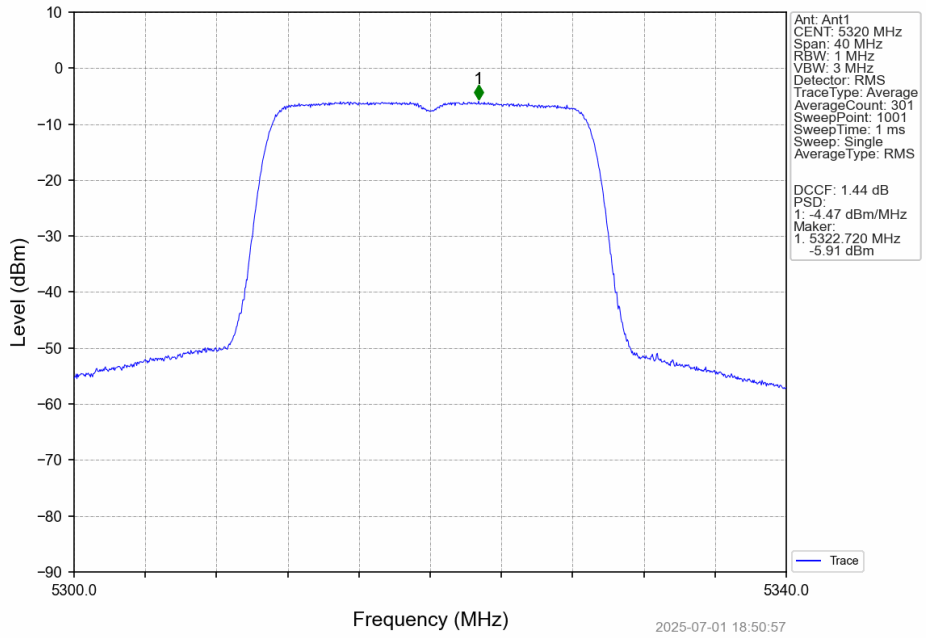

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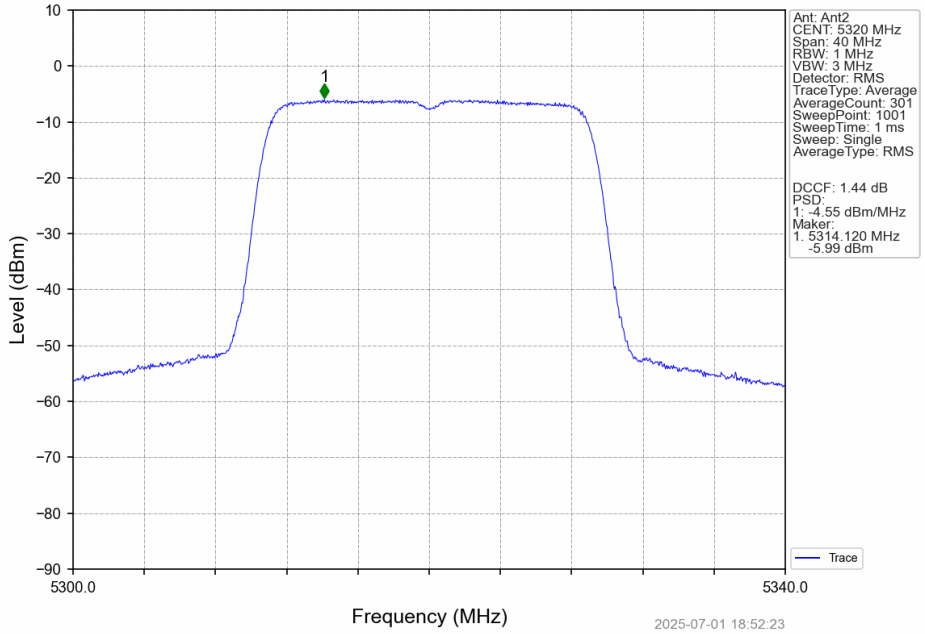
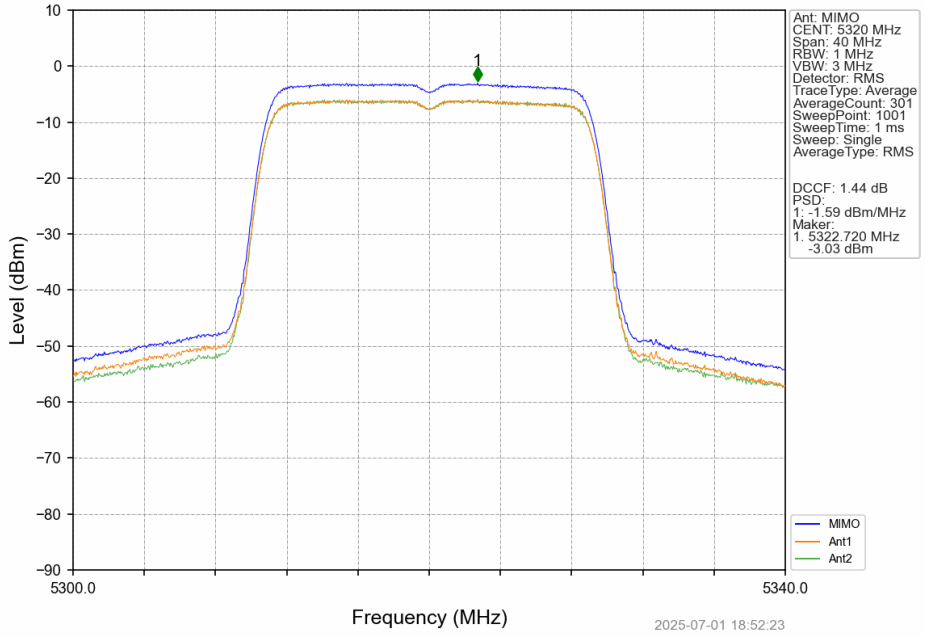
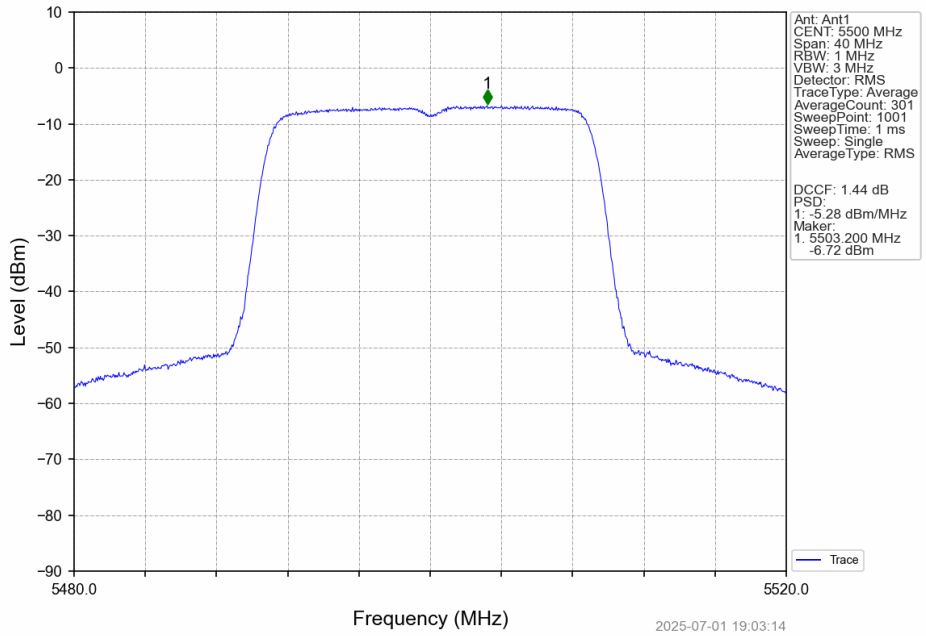


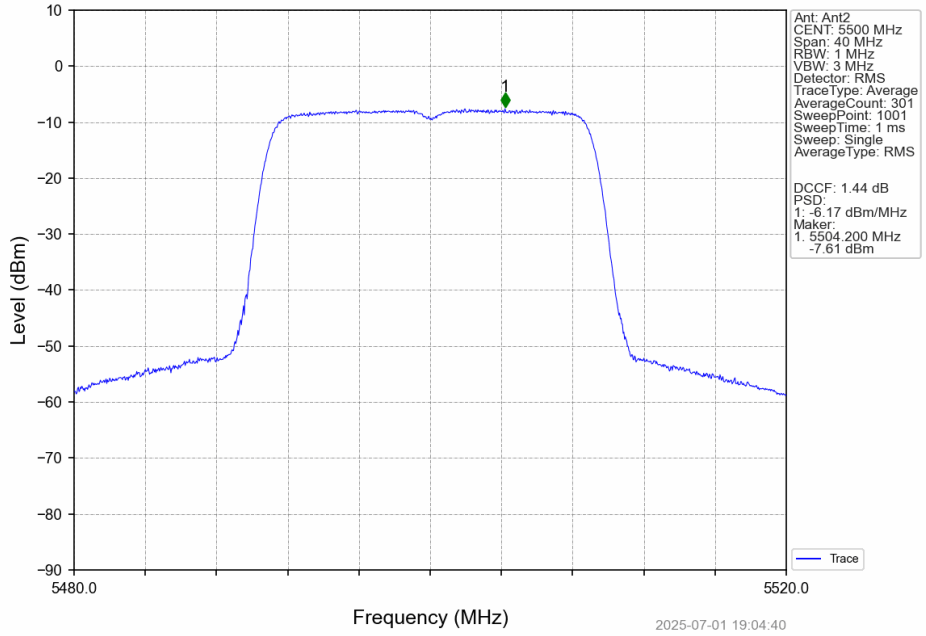
802.11n(HT20)_HCH_5320MHz_MIMO_NTNV



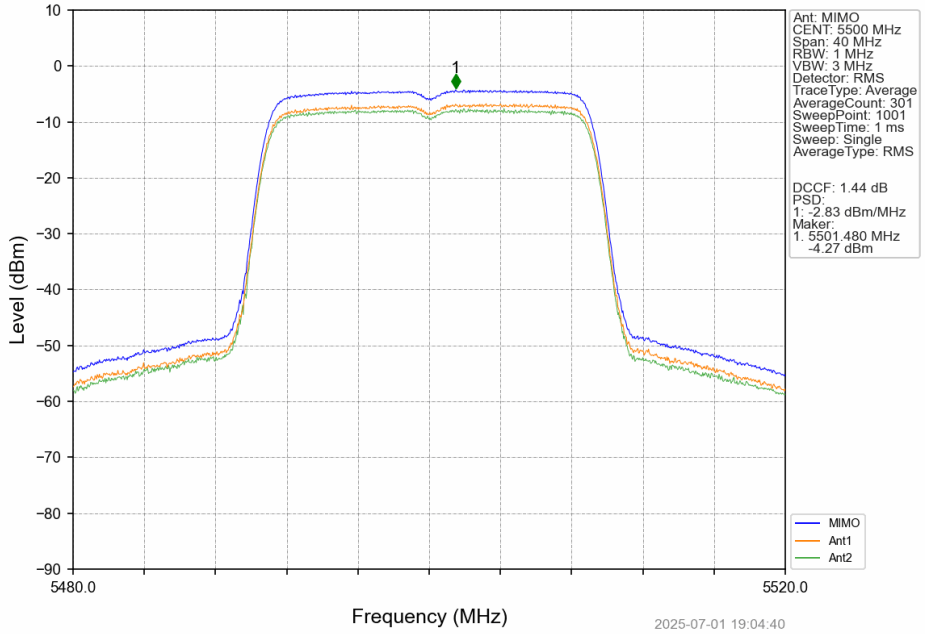
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



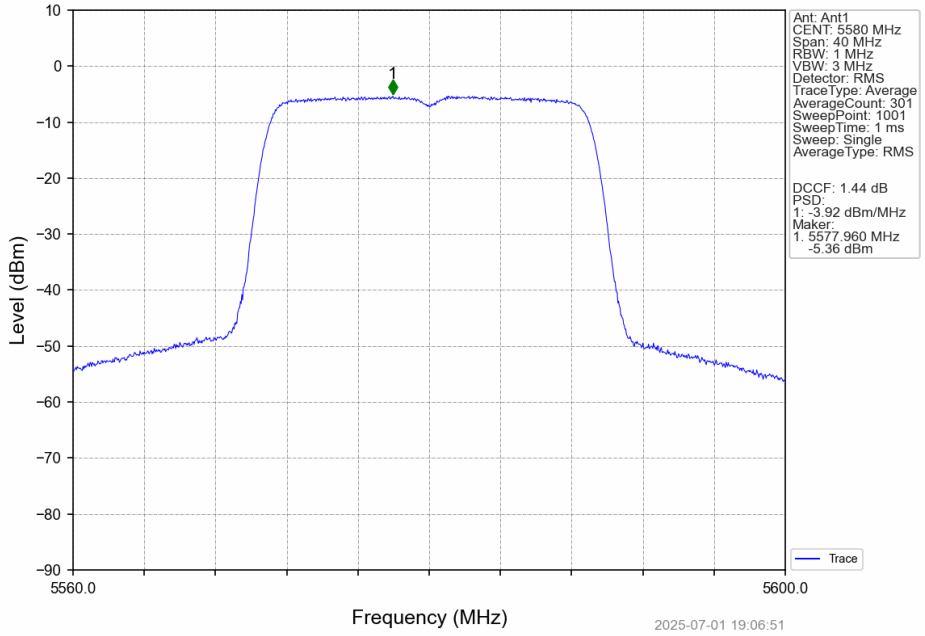
802.11n(HT20)_LCH_5500MHz_Ant2_NTNV



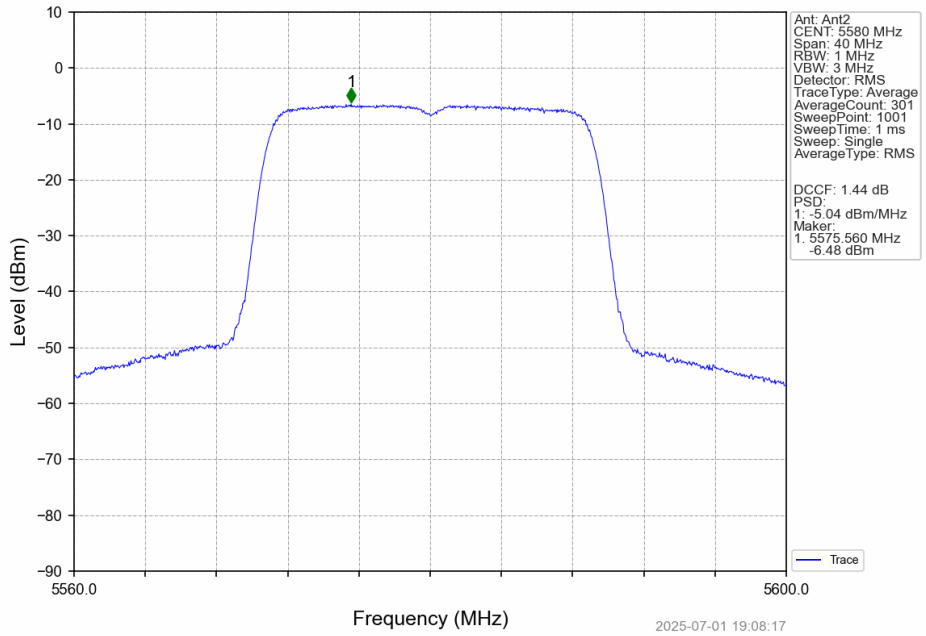
802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



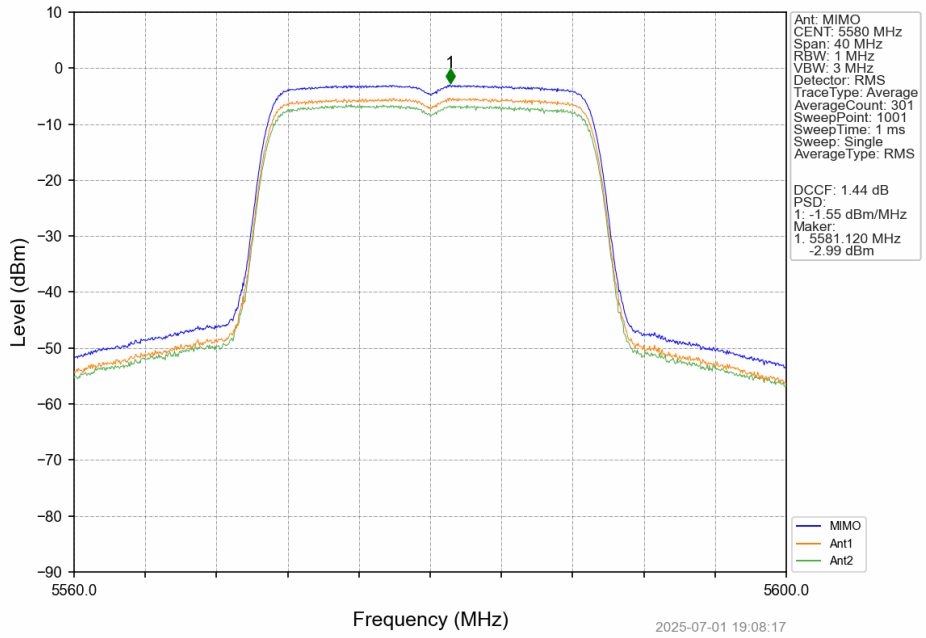
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



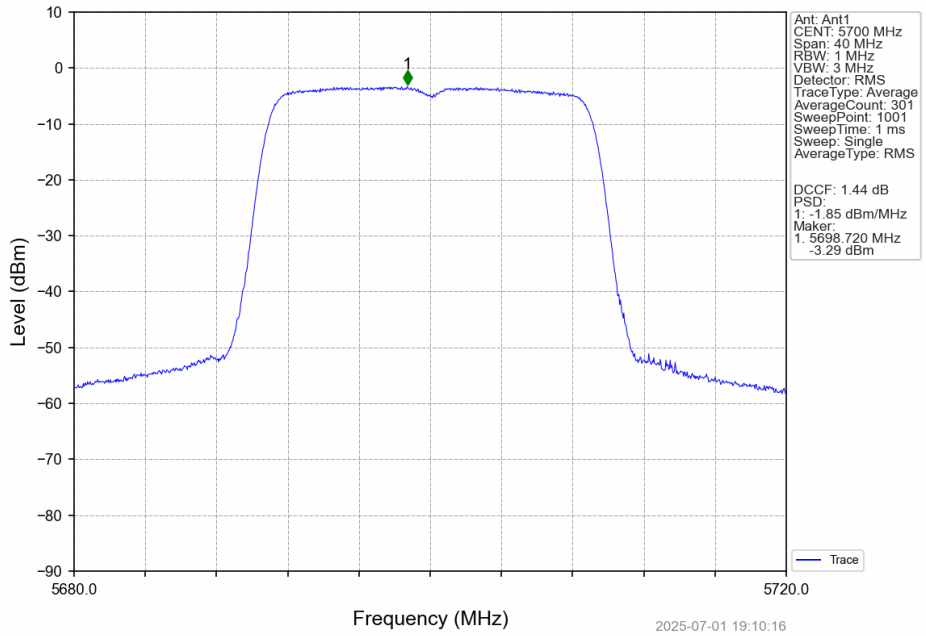
802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



802.11n(HT20)_MCH_5580MHz_MIMO_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



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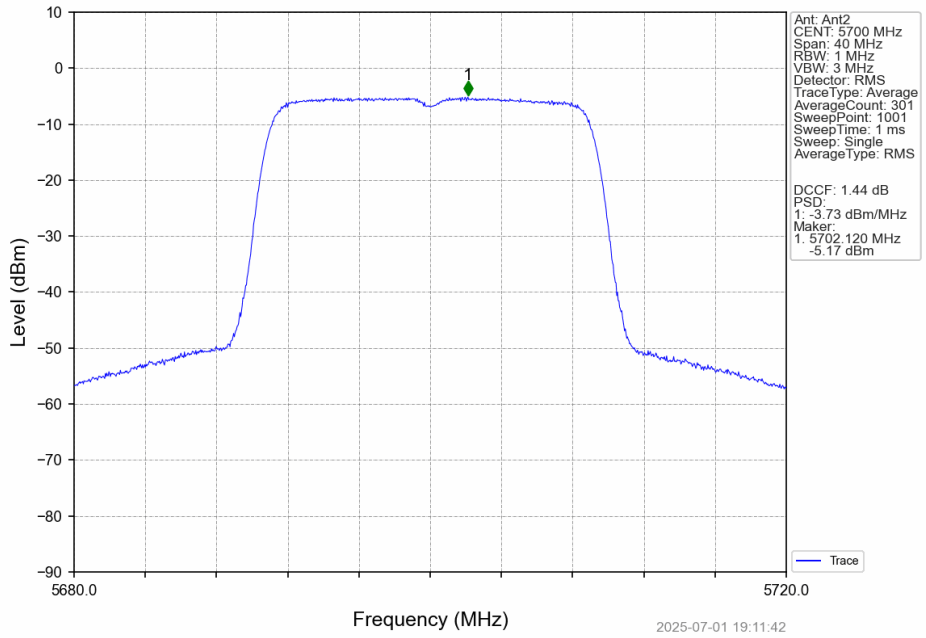
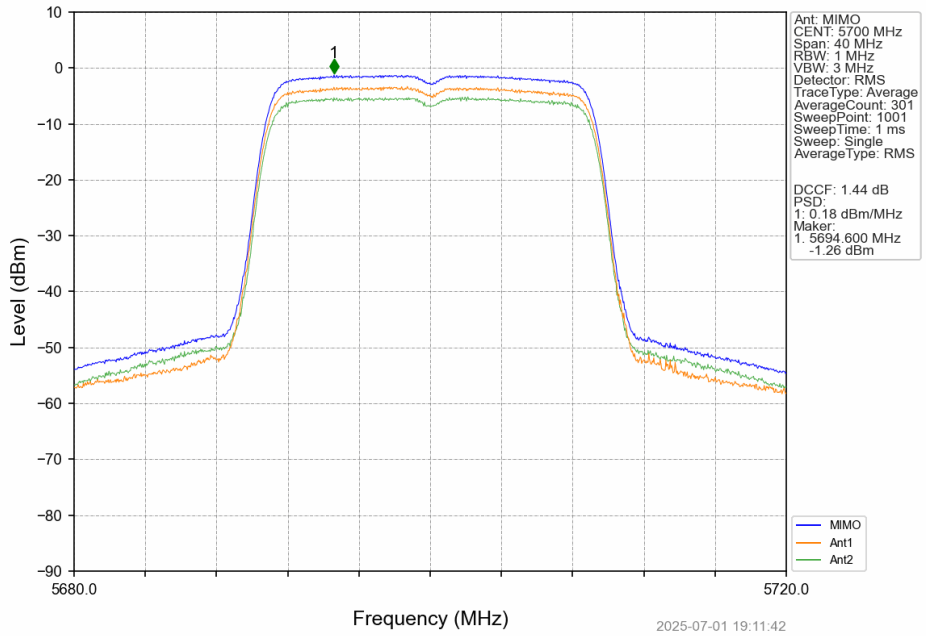
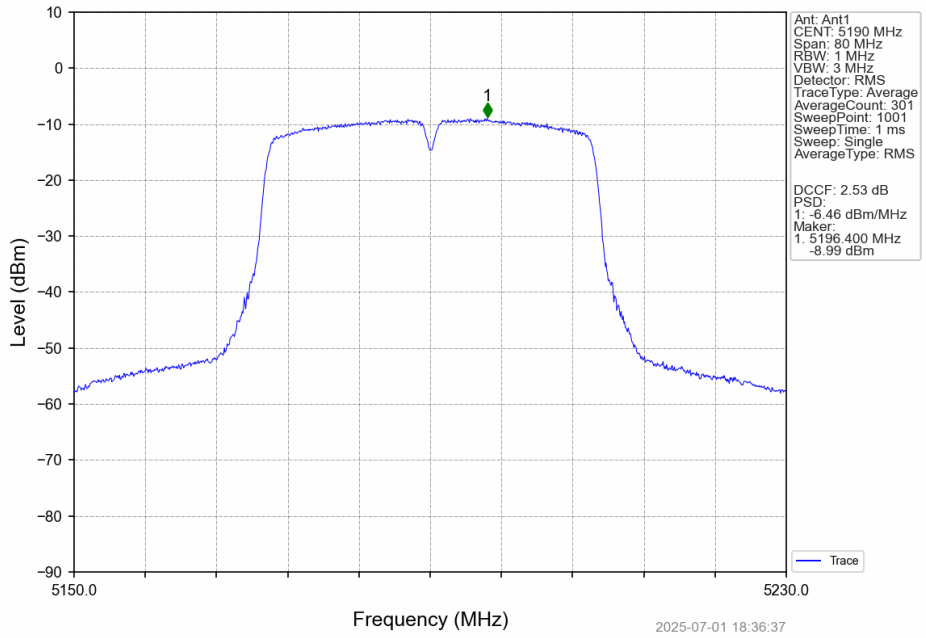


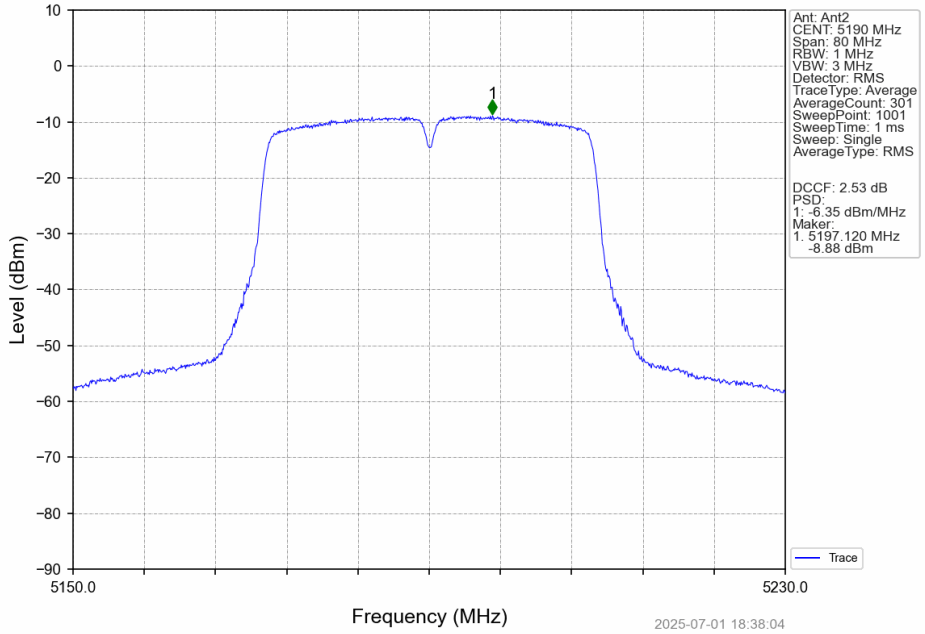
802.11n(HT20)_HCH_5700MHz_MIMO_NTNV



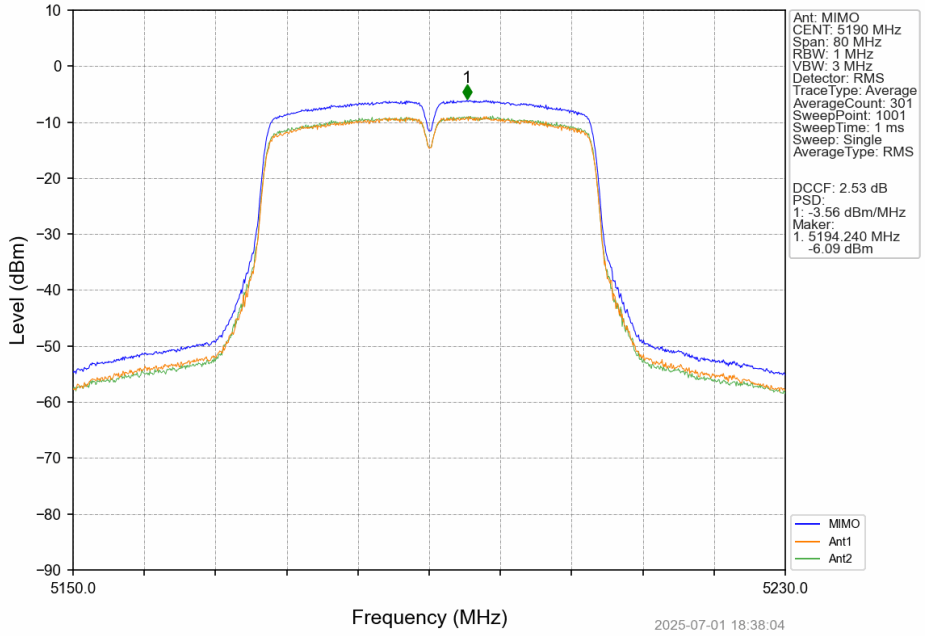
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



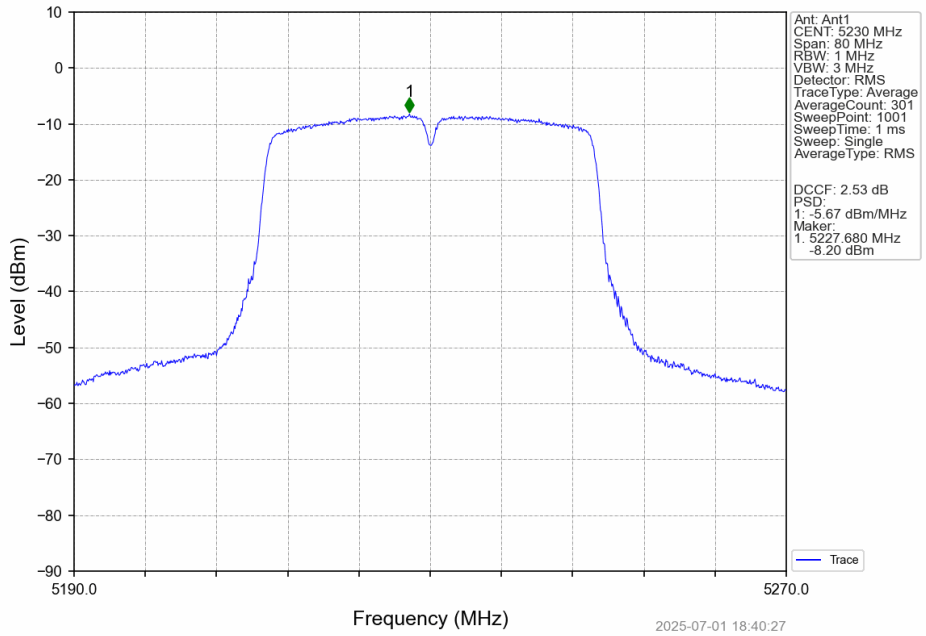
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



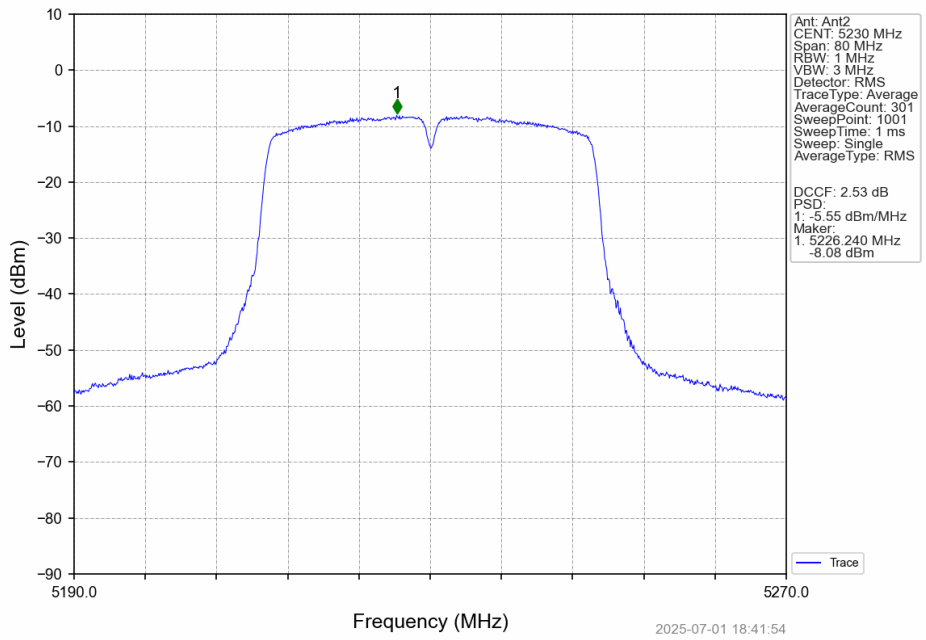
802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



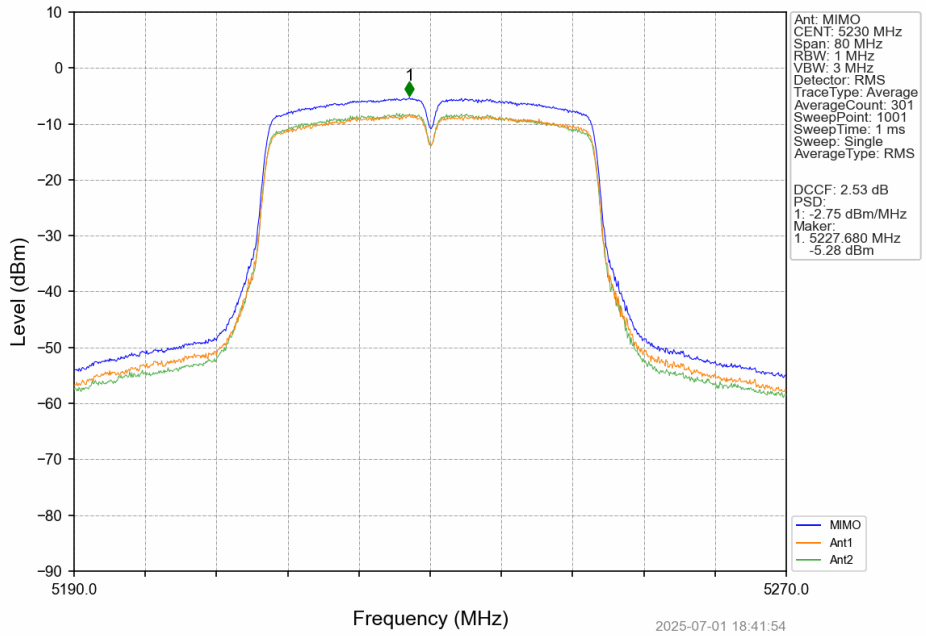
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



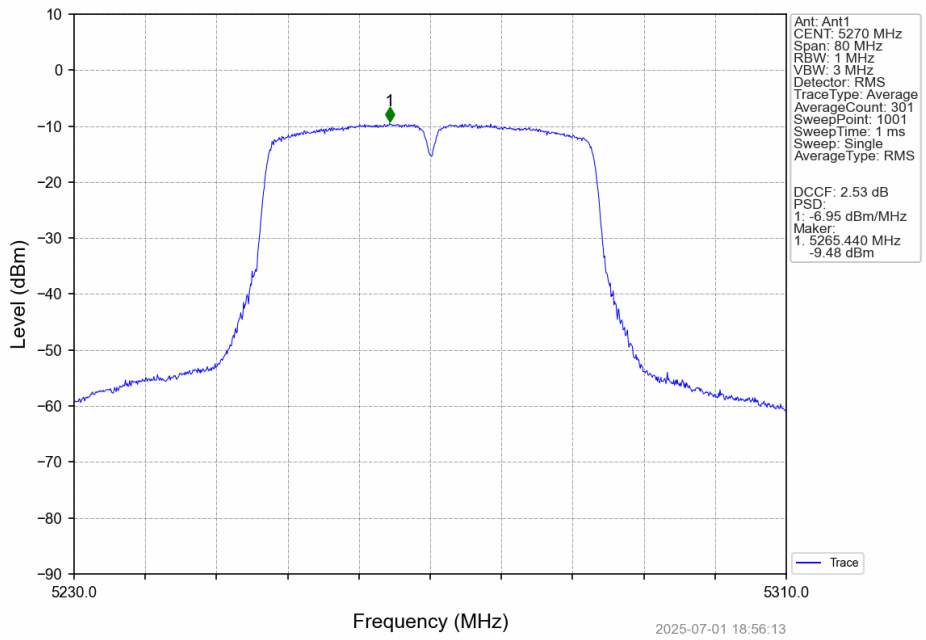
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



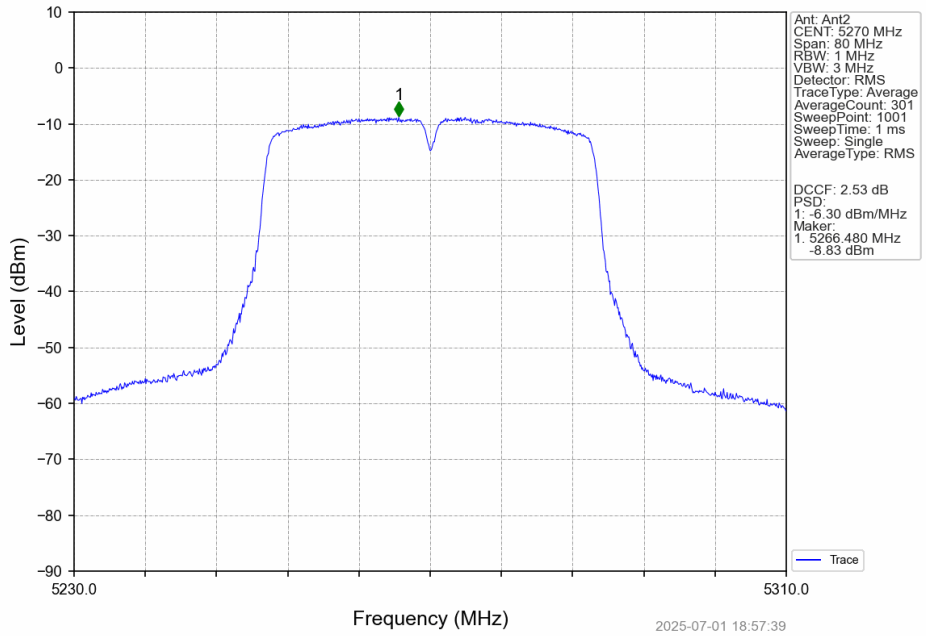
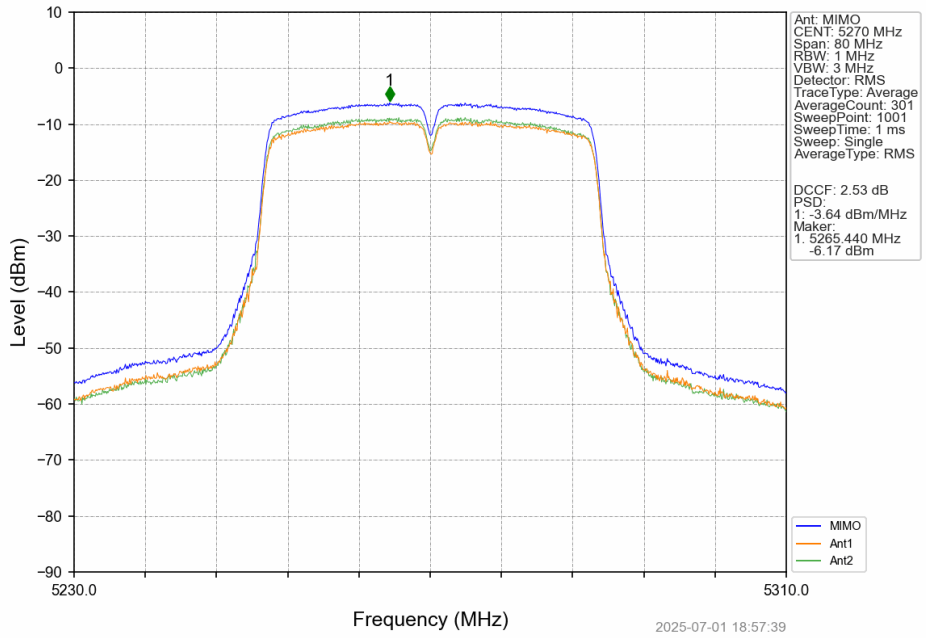
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant2_NTNV



802.11n(HT40)_LCH_5270MHz_MIMO_NTNV