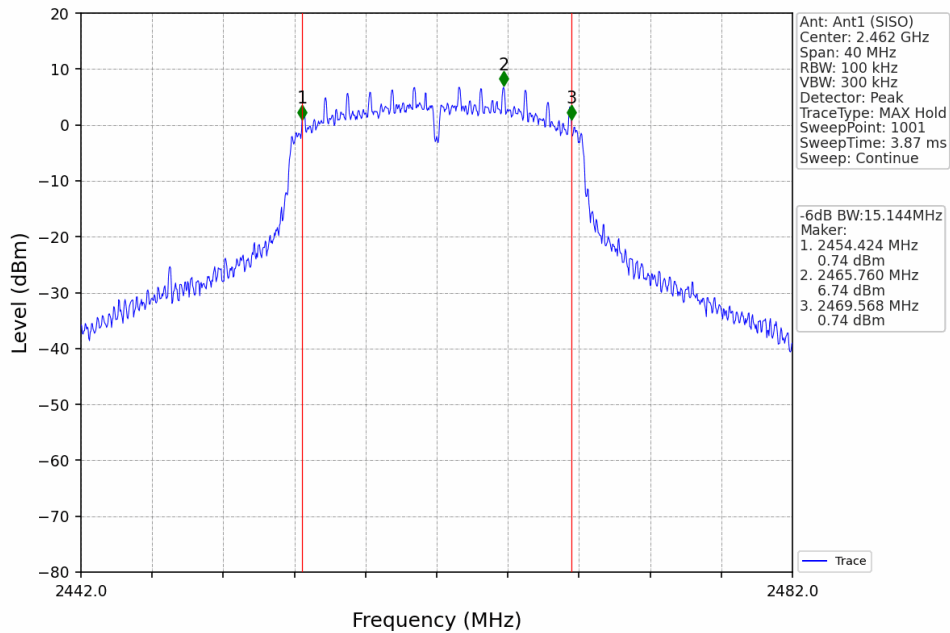
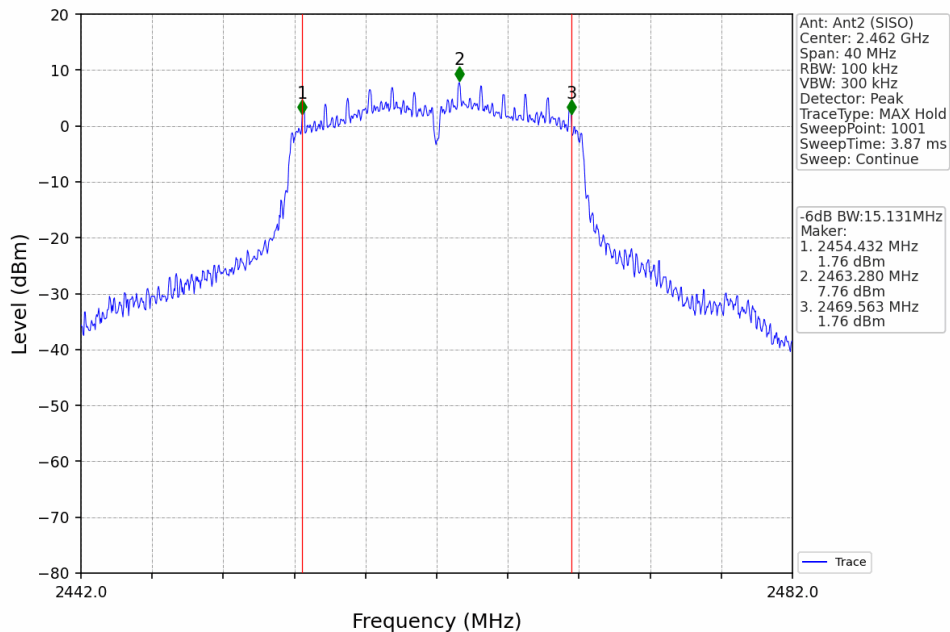


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



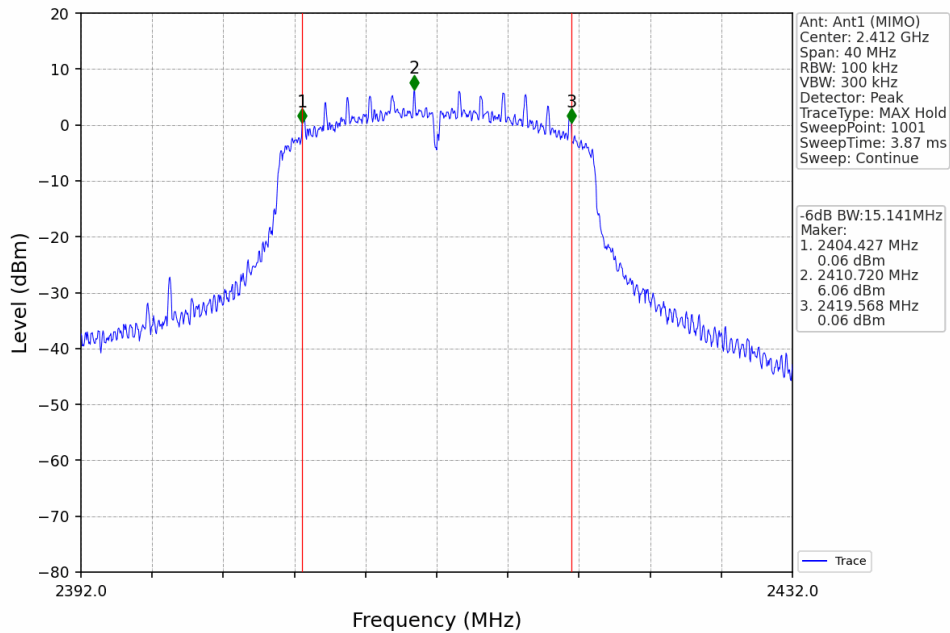
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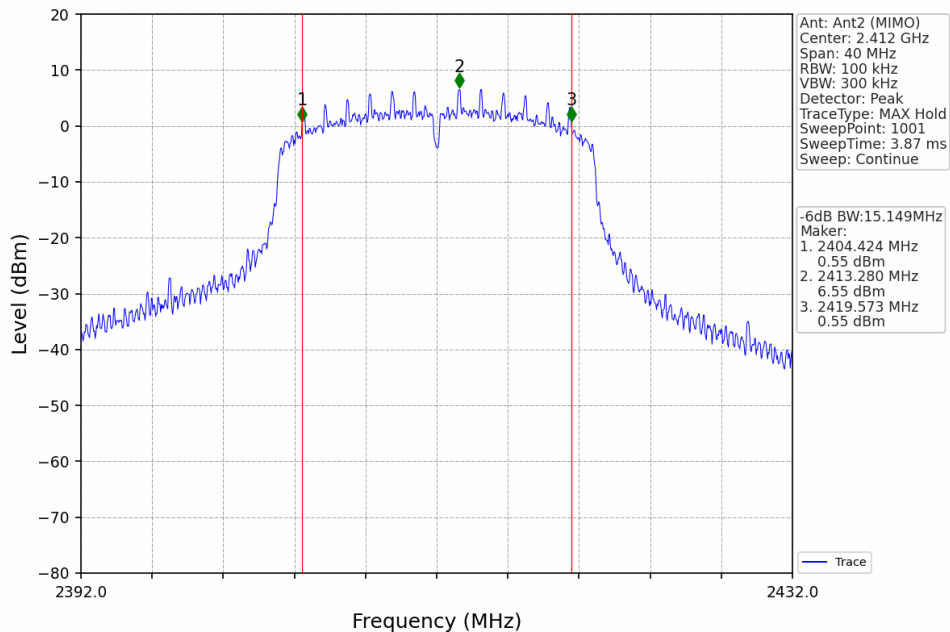
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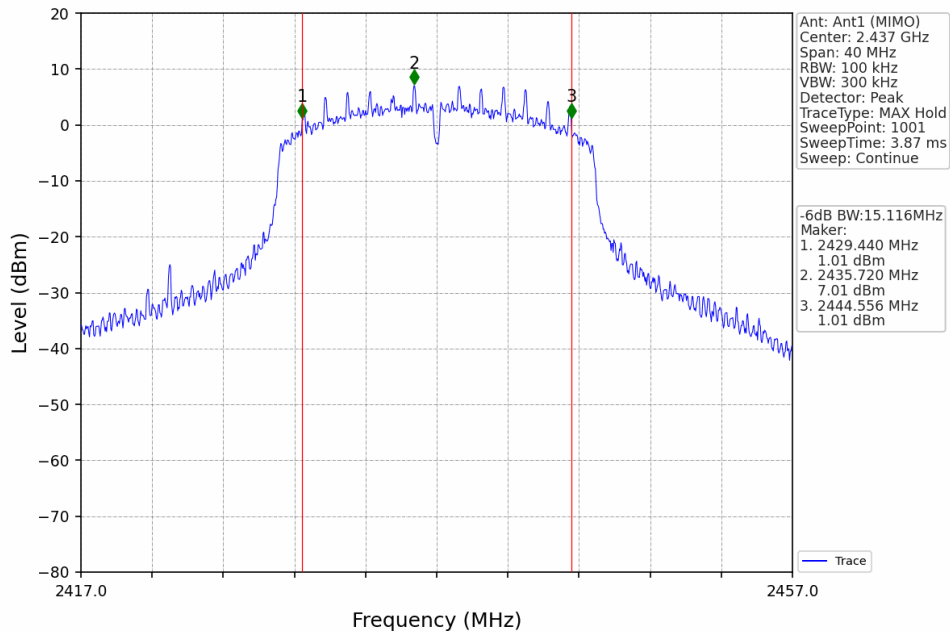
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



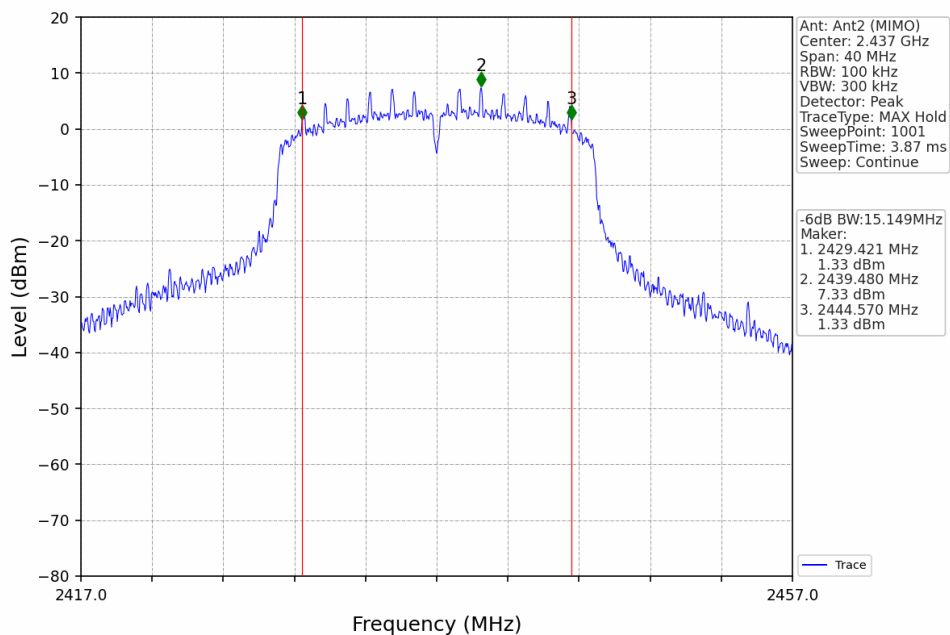
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802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



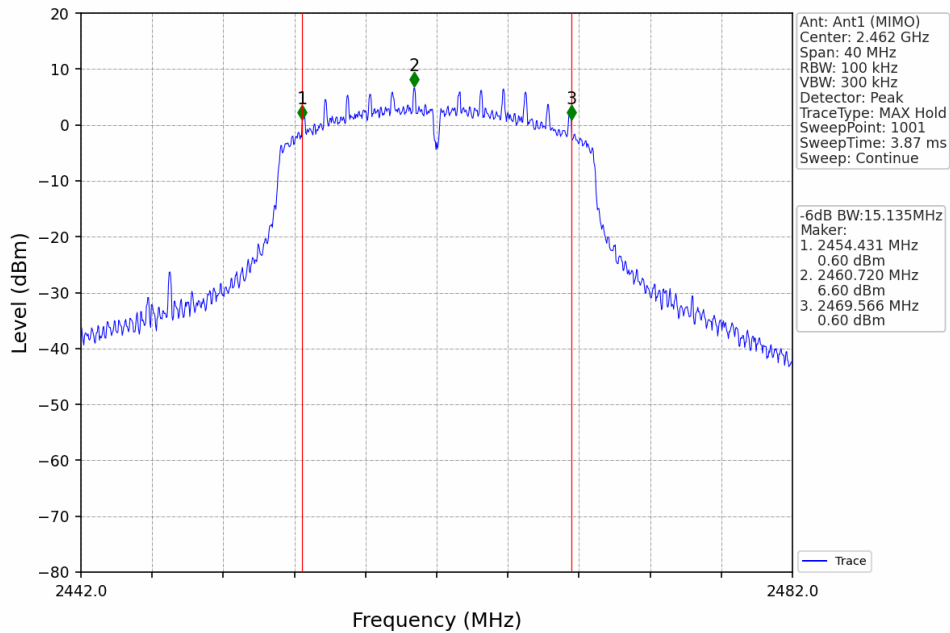
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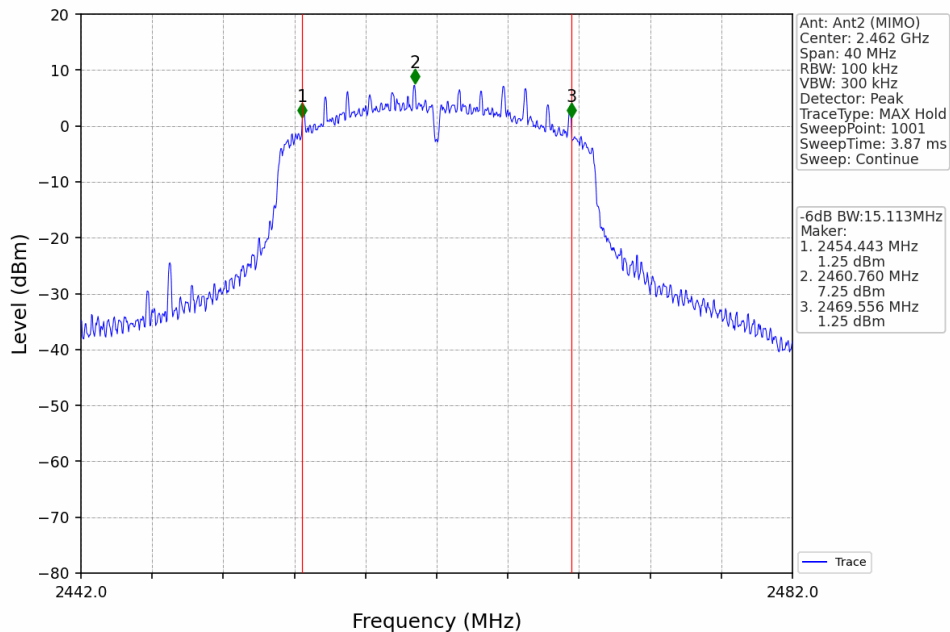
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



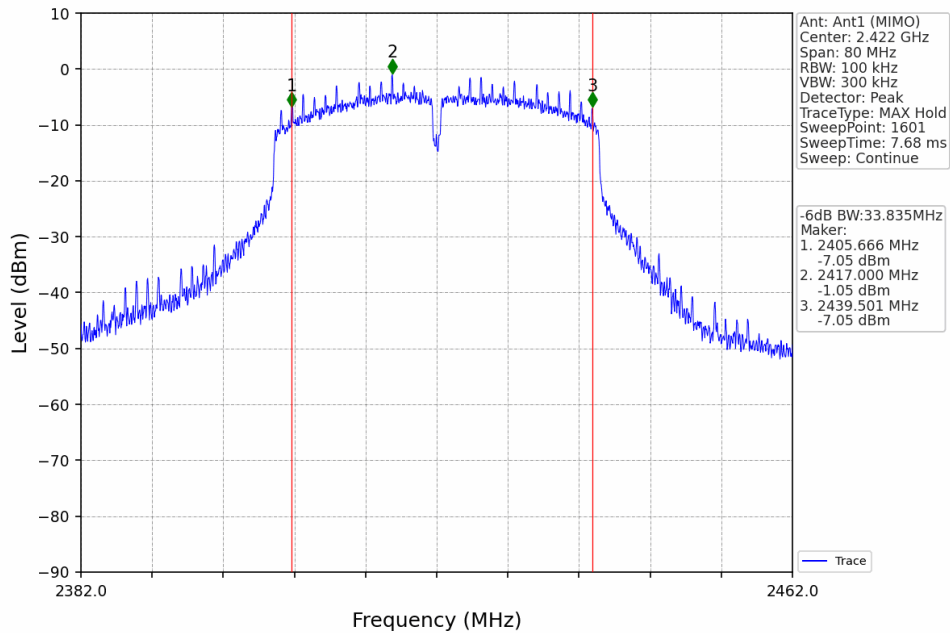
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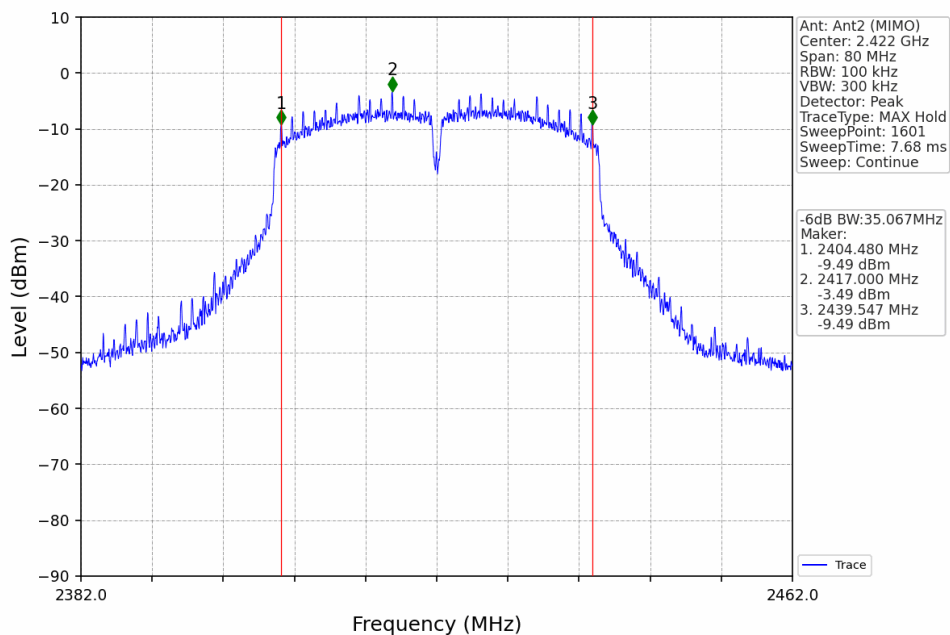
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802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



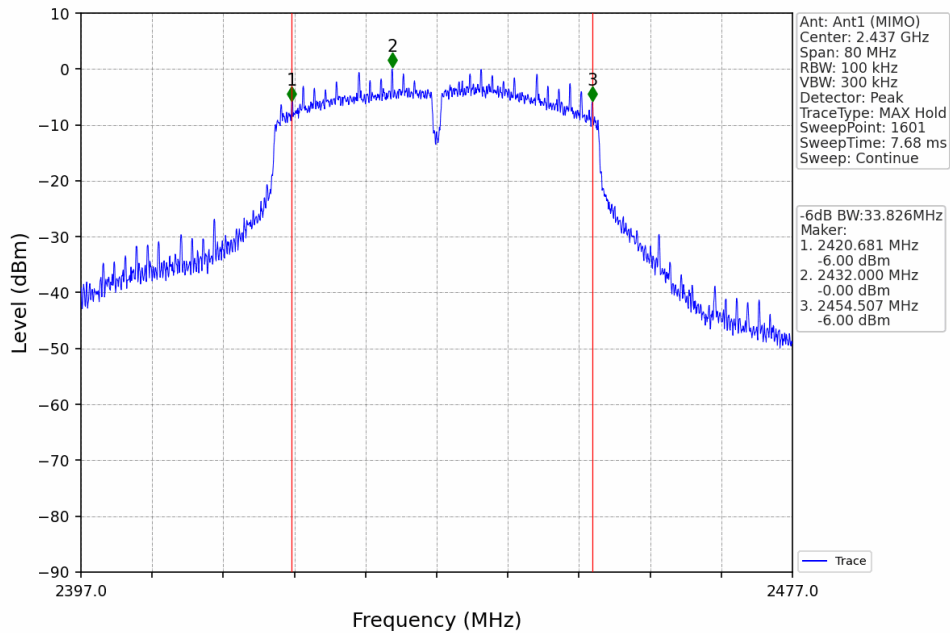
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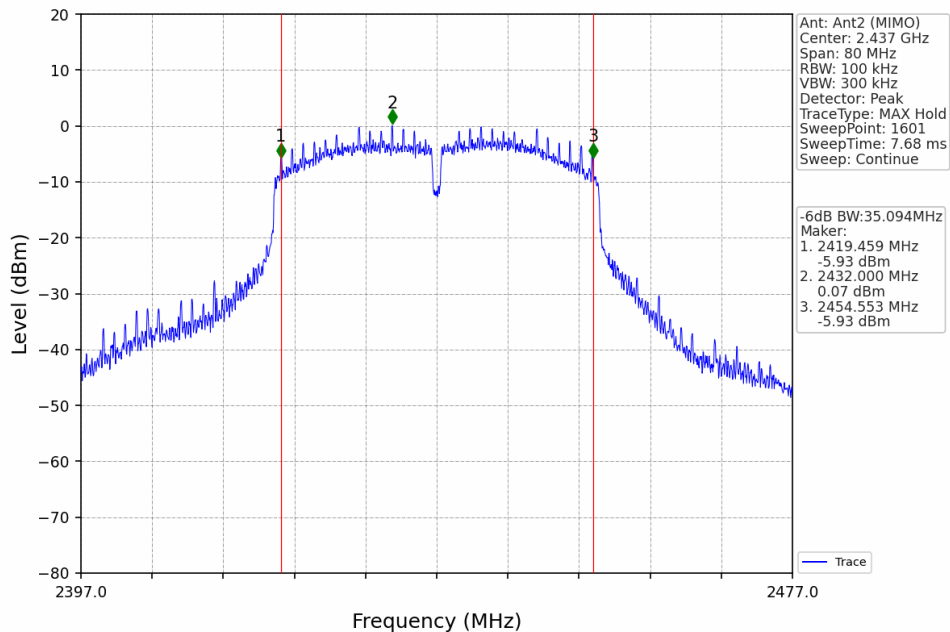
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



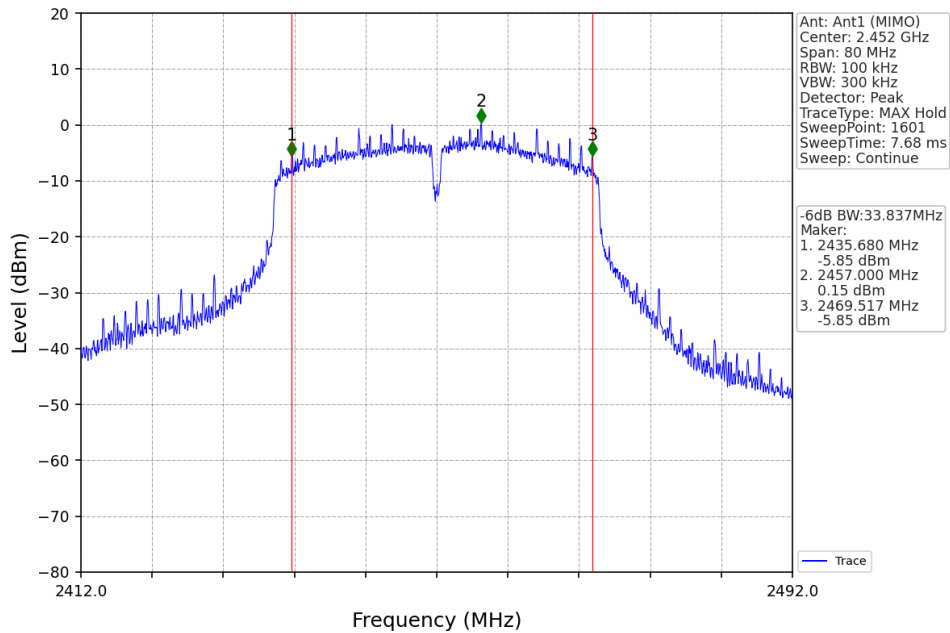
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



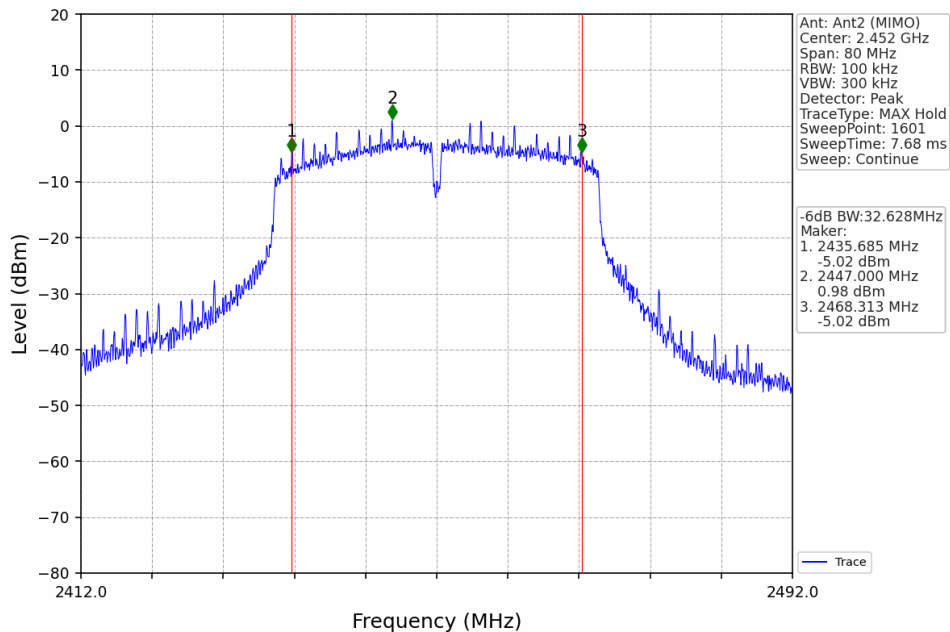
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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



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	
802.11b	SISO	2412	15.70	15.37	/	<=30	Pass
		2437	16.70	16.87	/	<=30	Pass
		2462	16.27	16.10	/	<=30	Pass
802.11g	SISO	2412	15.82	15.74	/	<=30	Pass
		2437	16.85	16.79	/	<=30	Pass
		2462	16.53	16.63	/	<=30	Pass
802.11n (HT20)	MIMO	2412	15.53	15.72	18.64	<=29.79	Pass
		2437	16.32	16.39	19.37	<=29.79	Pass
		2462	15.94	16.42	19.20	<=29.79	Pass
802.11n (HT40)	MIMO	2422	9.50	9.39	12.46	<=29.79	Pass
		2437	12.49	13.09	15.81	<=29.79	Pass
		2452	12.72	13.14	15.95	<=29.79	Pass

Note1: Antenna Gain: Antenna 1&2:3.2dBi

Note2: Directional Gain=GAnt+10log (NAnt) dBi = 3.2+10log (2) dBi = 6.21dBi.

Note3: If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the limit of maximum conducted output power, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.



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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/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-7.45	-8.14	/	<=8	Pass
		2437	-6.33	-6.93	/	<=8	Pass
		2462	-7.56	-7.11	/	<=8	Pass
802.11g	SISO	2412	-8.53	-8.38	/	<=8	Pass
		2437	-6.97	-8.22	/	<=8	Pass
		2462	-8.07	-6.85	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-9.26	-9.09	-7.11	<=8	Pass
		2437	-8.81	-8.77	-6.42	<=8	Pass
		2462	-8.96	-7.80	-6.19	<=8	Pass
802.11n (HT40)	MIMO	2422	-17.19	-18.25	-16.15	<=8	Pass
		2437	-15.15	-14.89	-12.80	<=8	Pass
		2452	-13.59	-14.37	-12.71	<=8	Pass

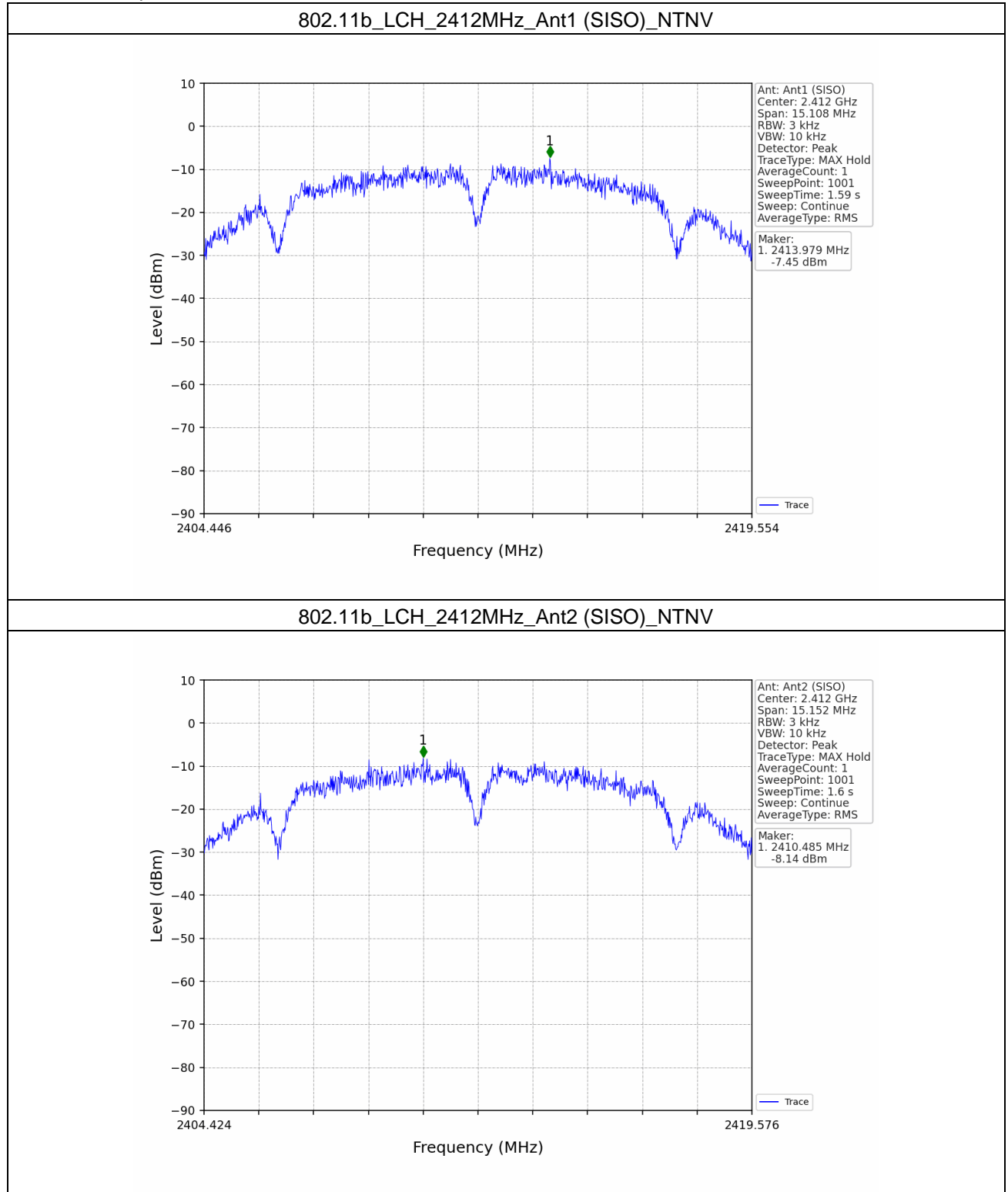


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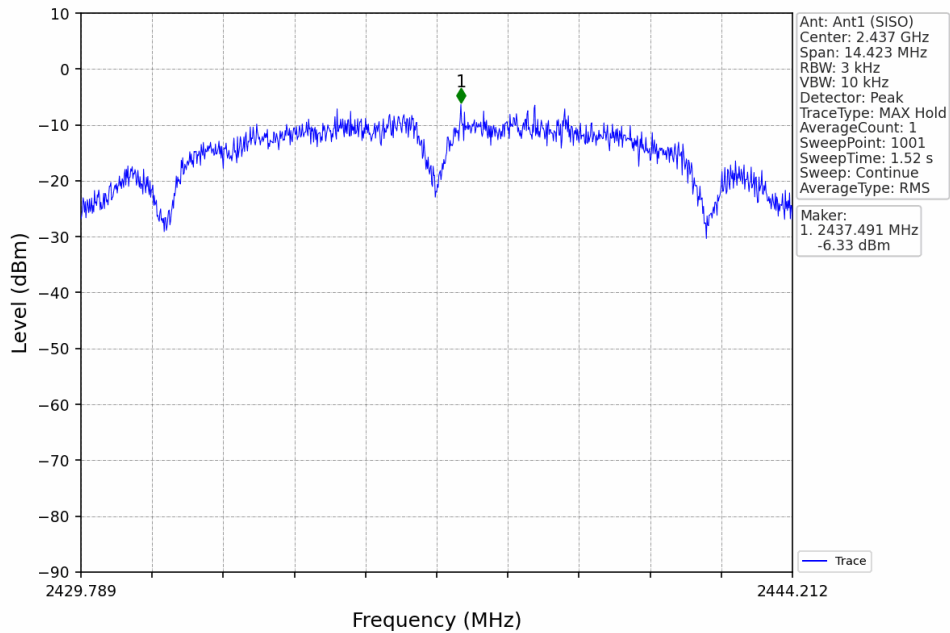
4.1.2 Test Graph



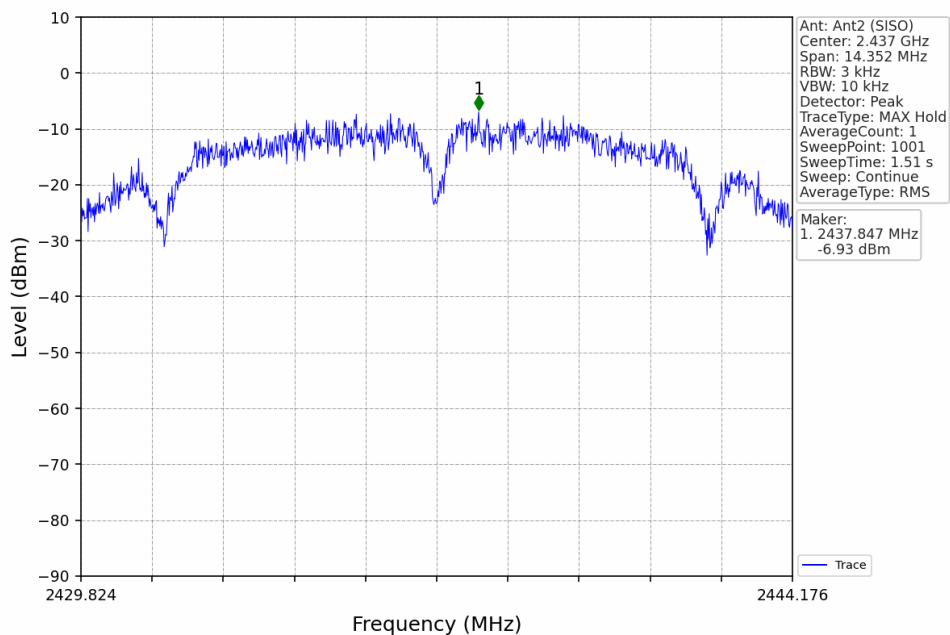
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV

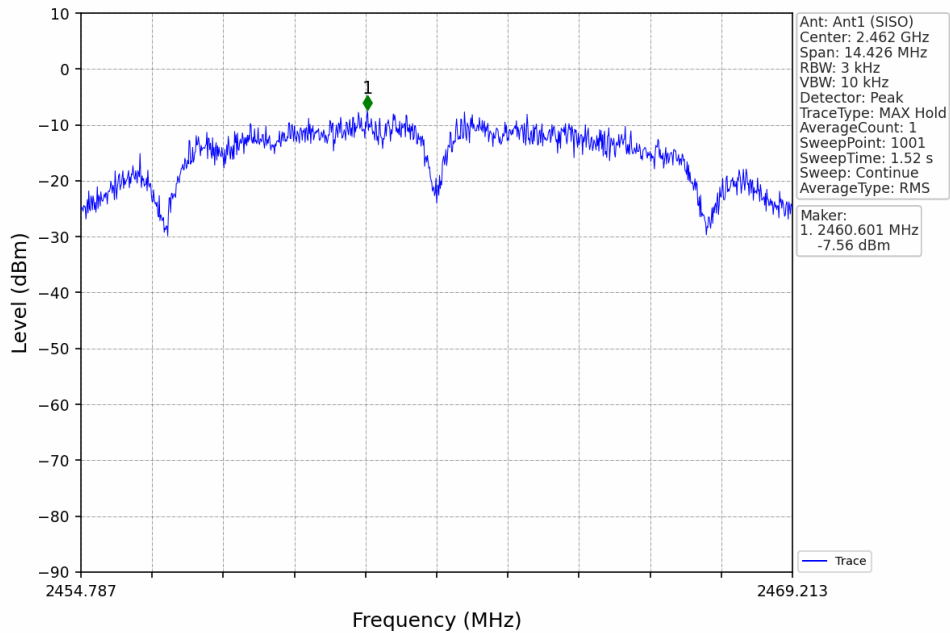


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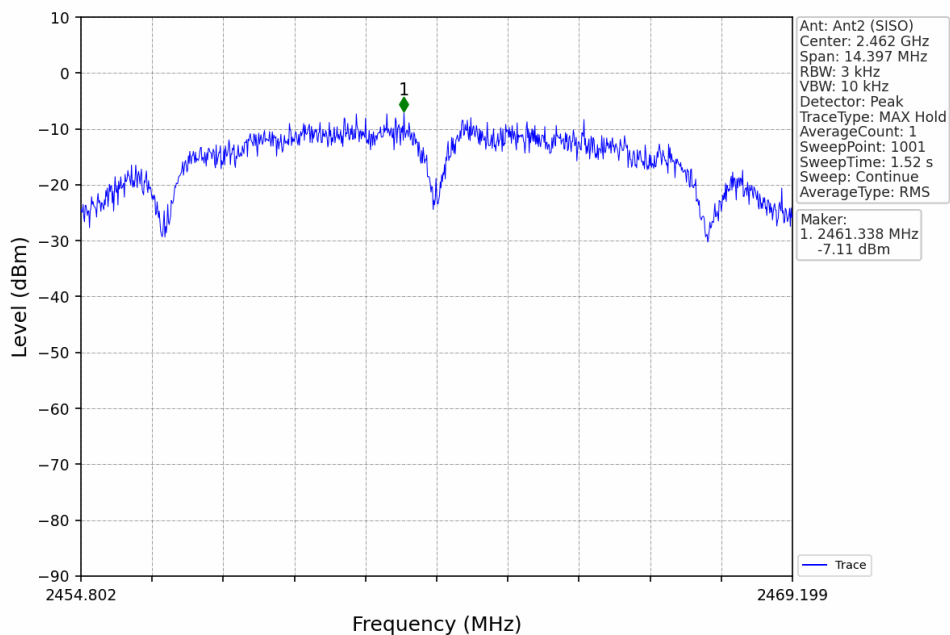
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



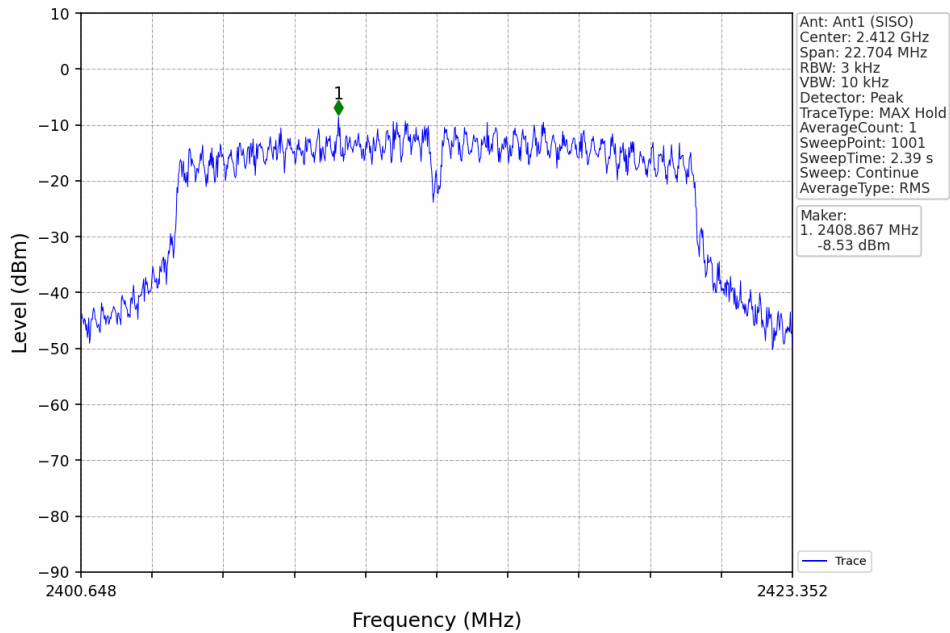
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



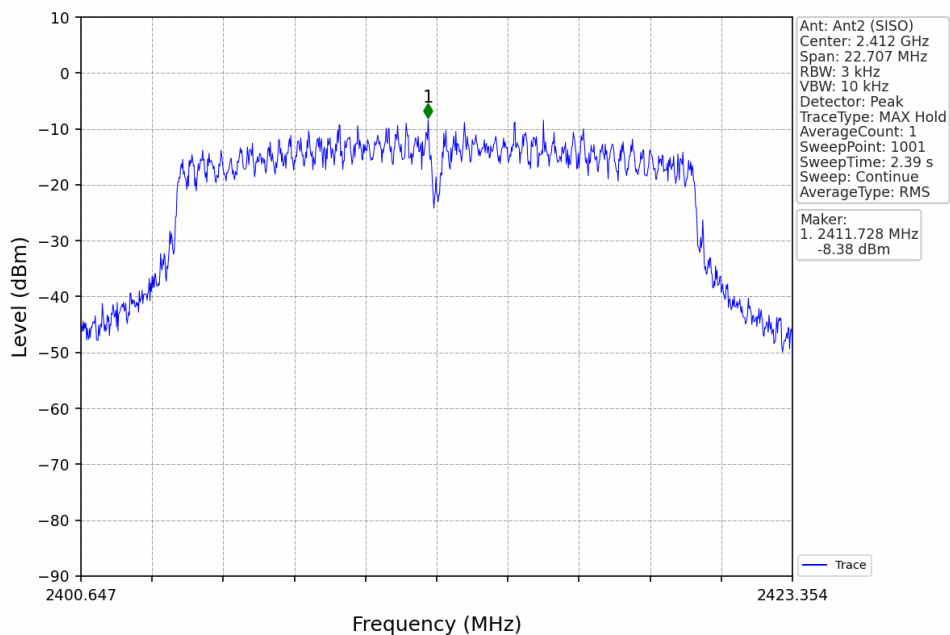
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



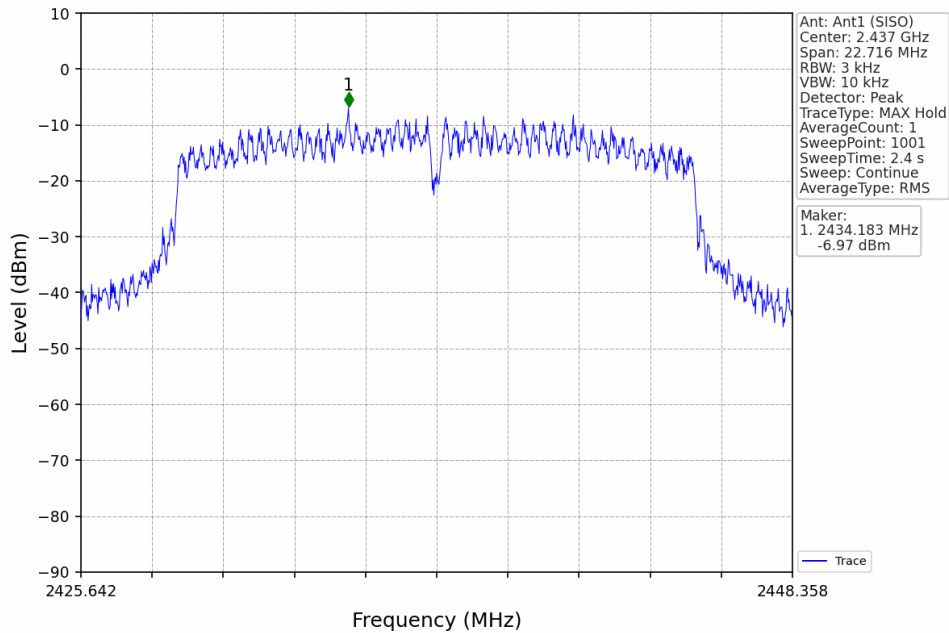
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



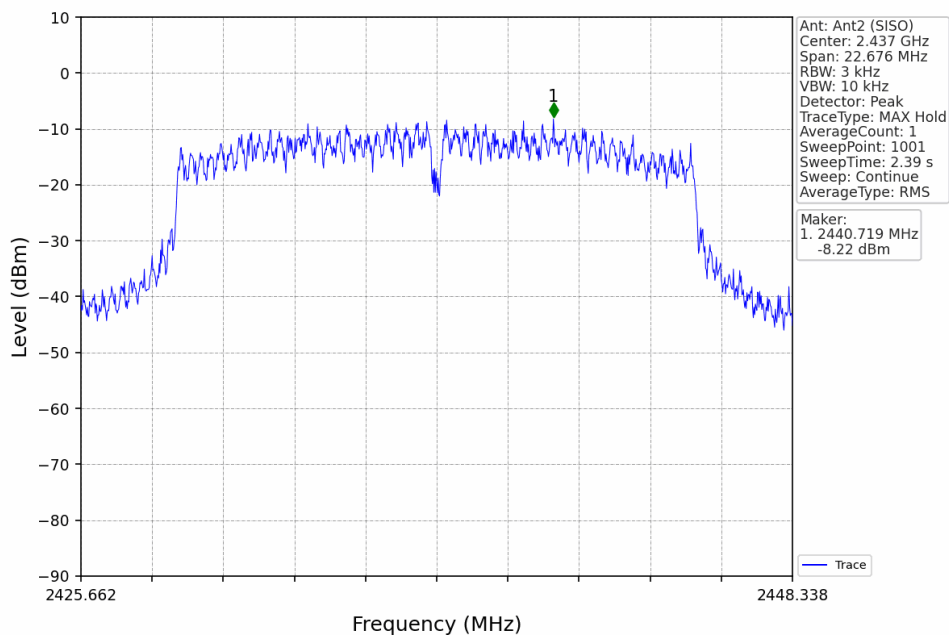
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV

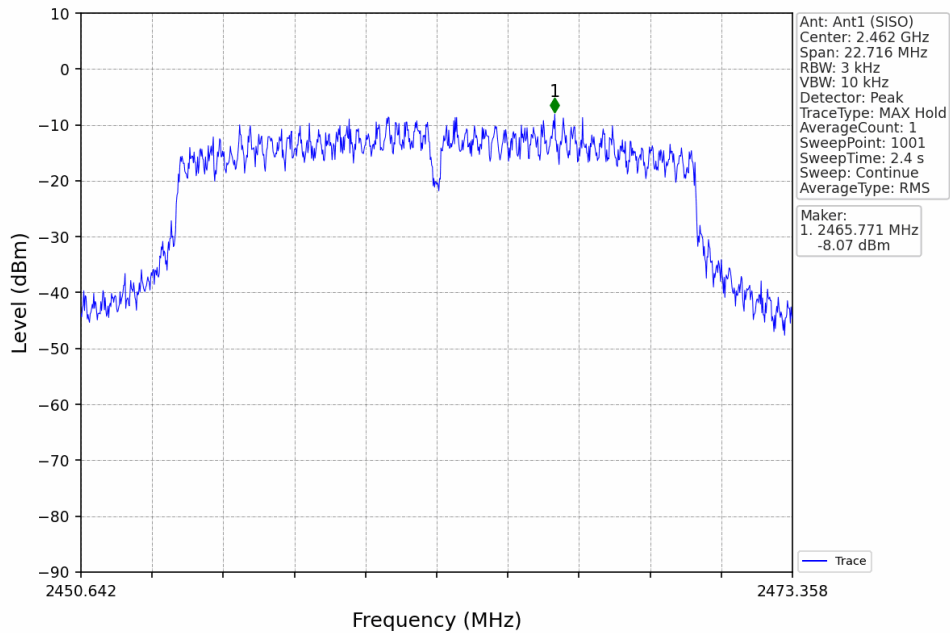


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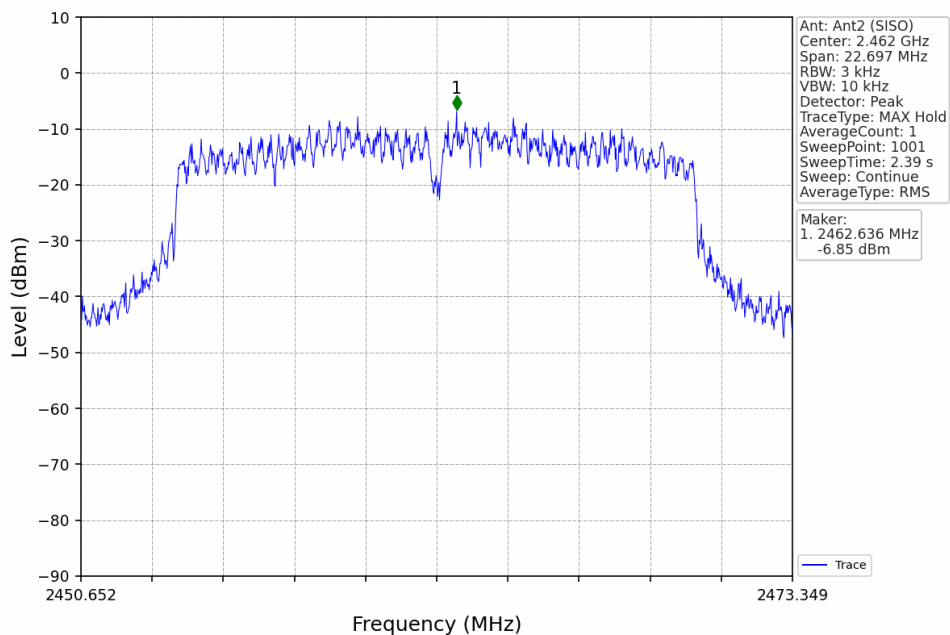
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



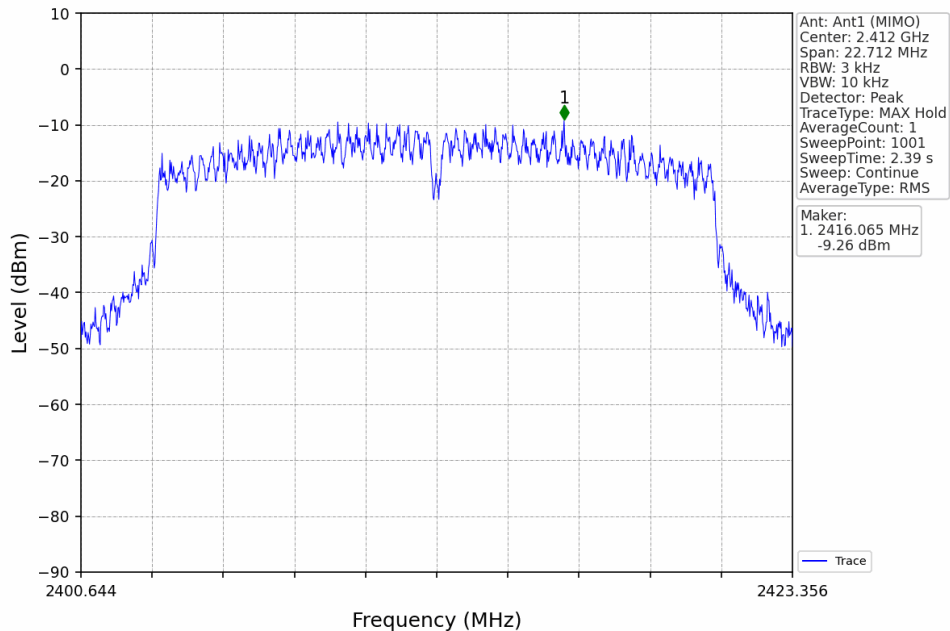
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



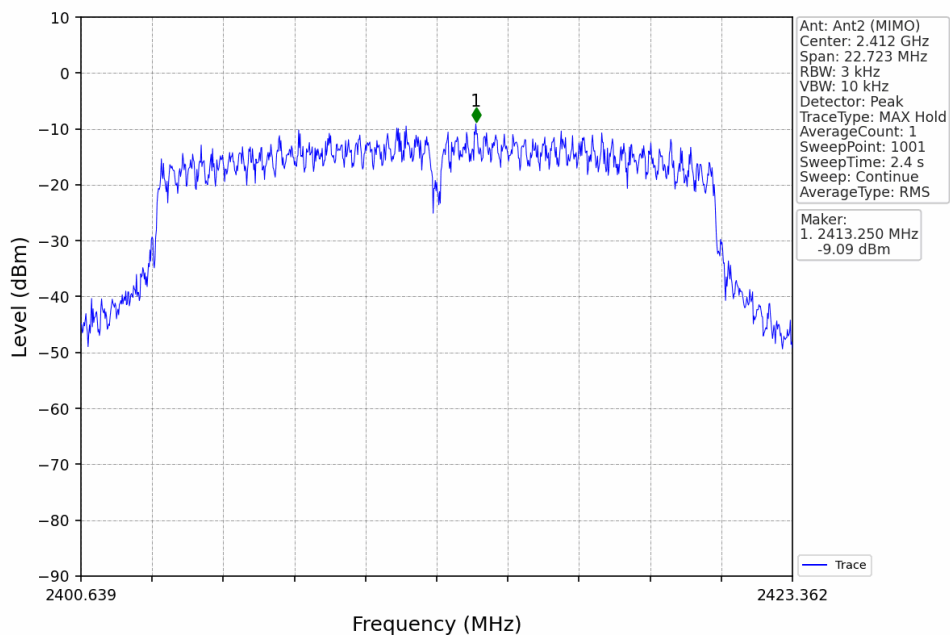
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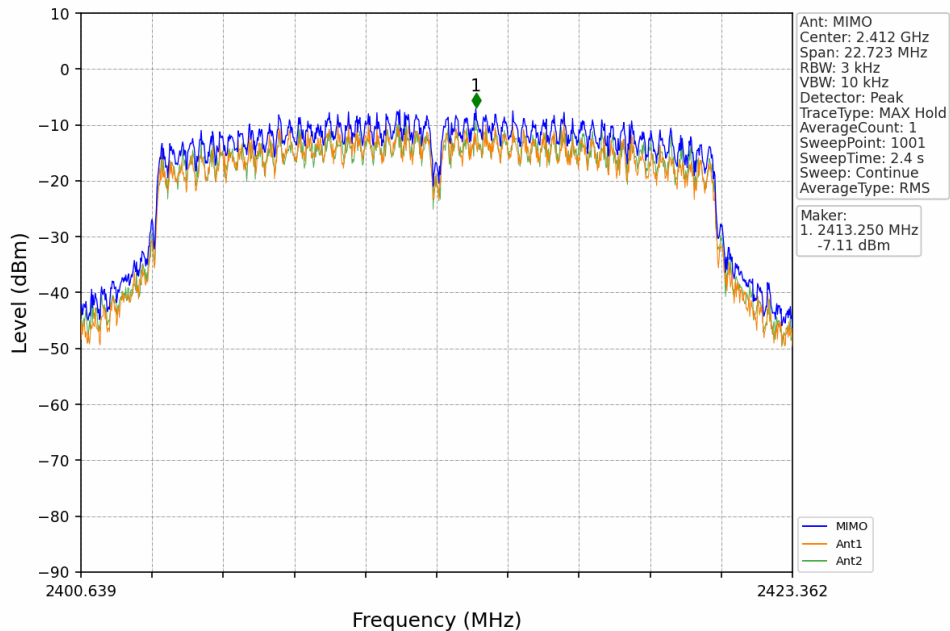
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



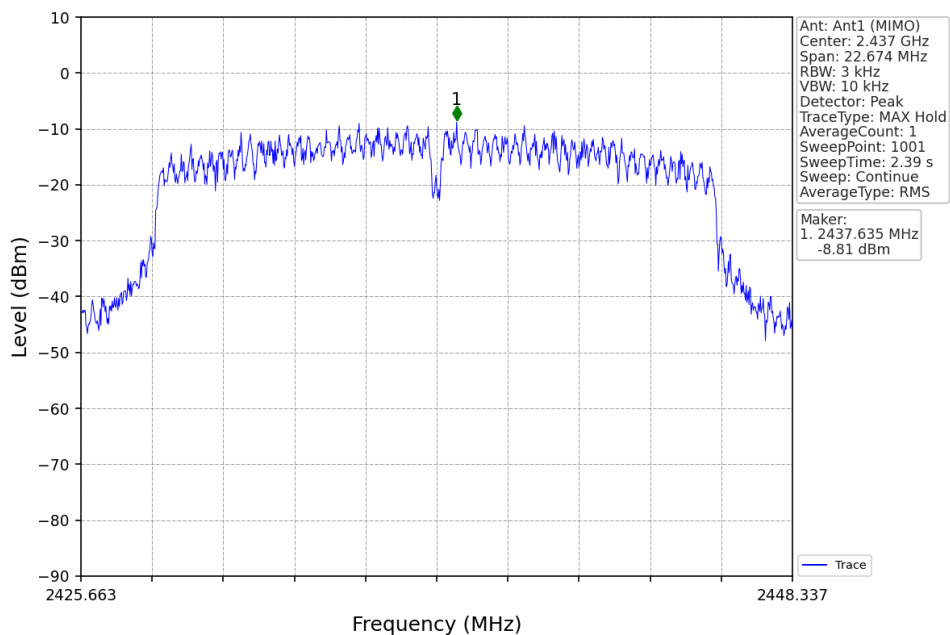
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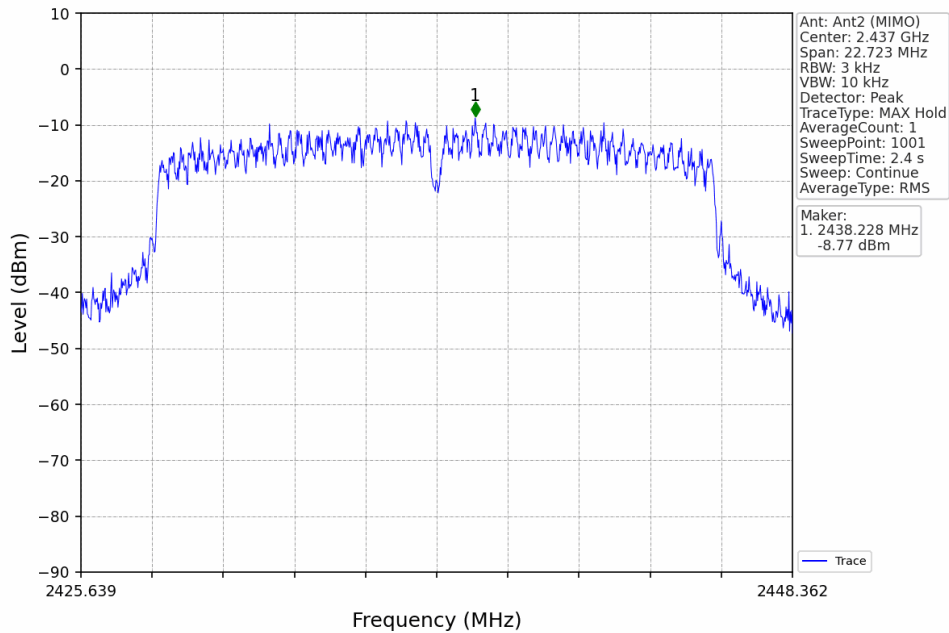
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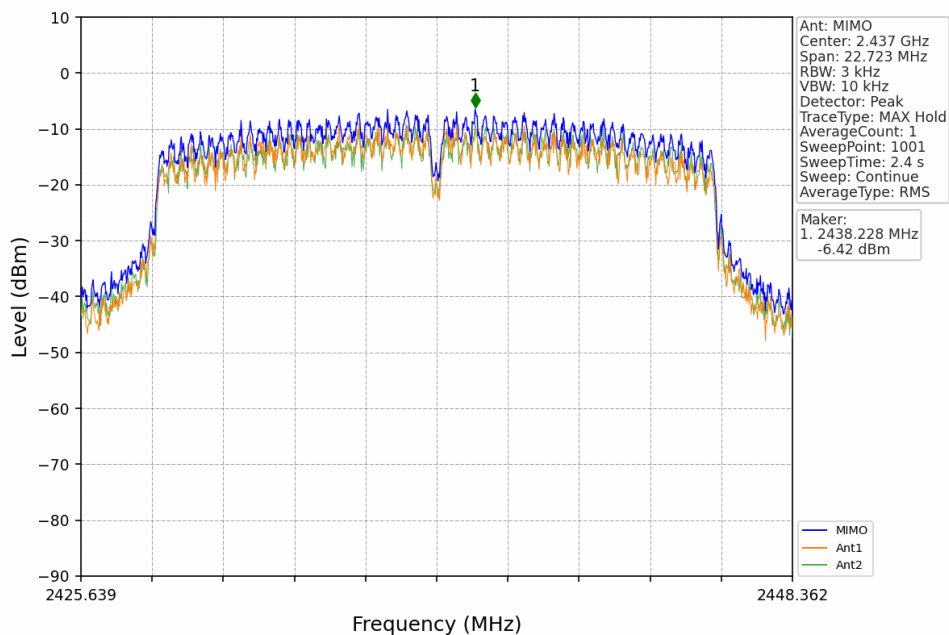
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_MIMO_NTNV

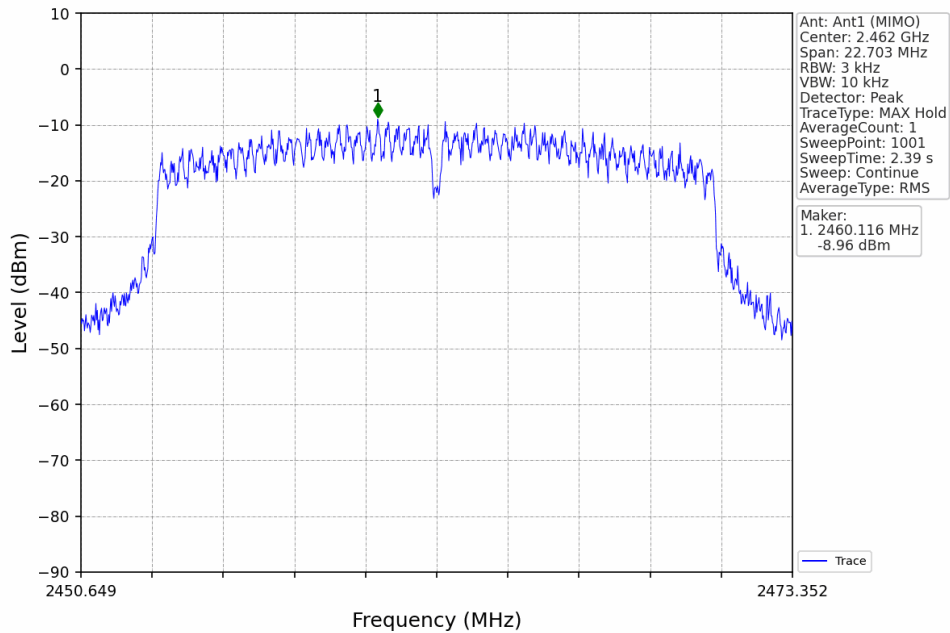


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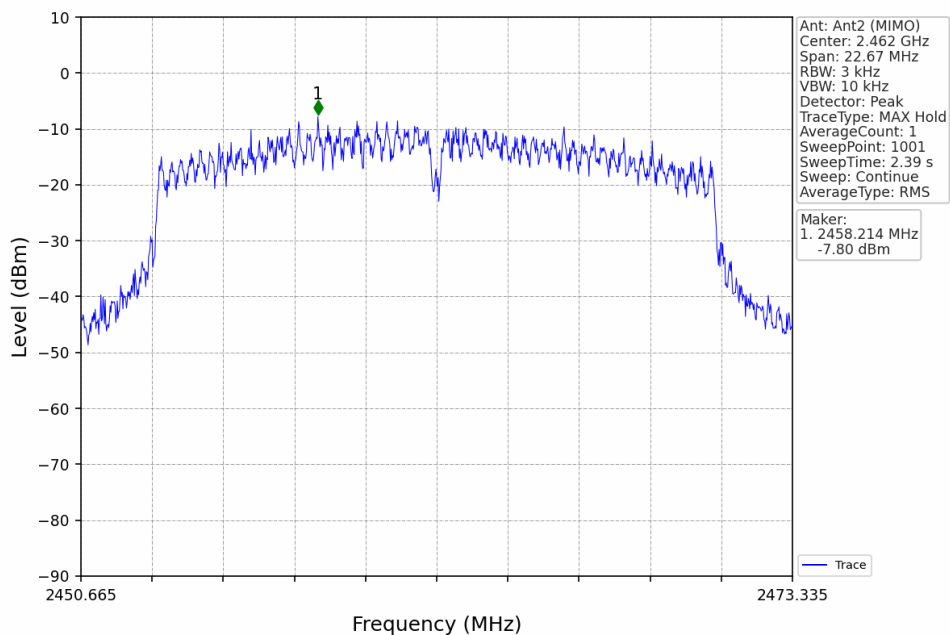
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



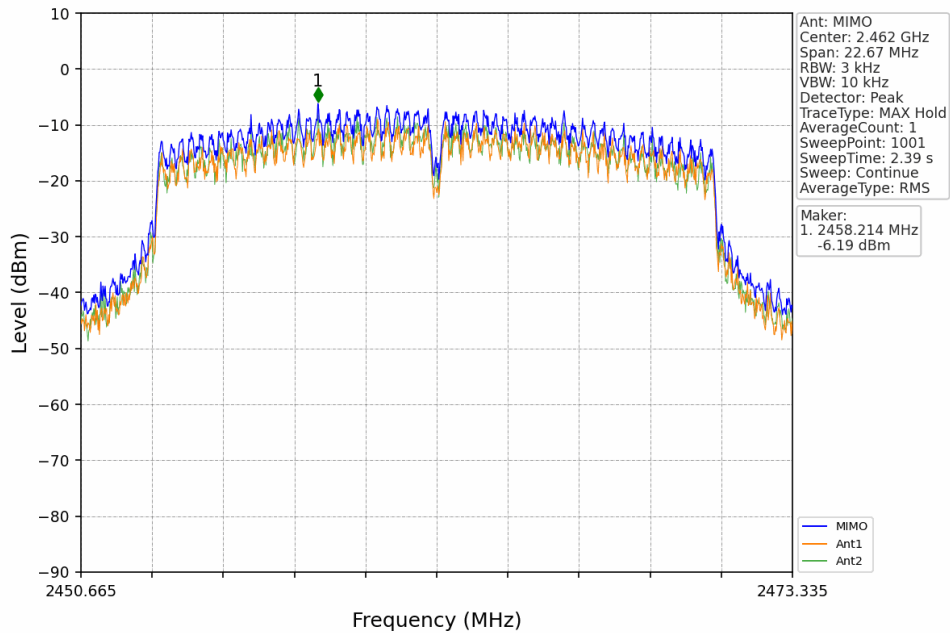
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



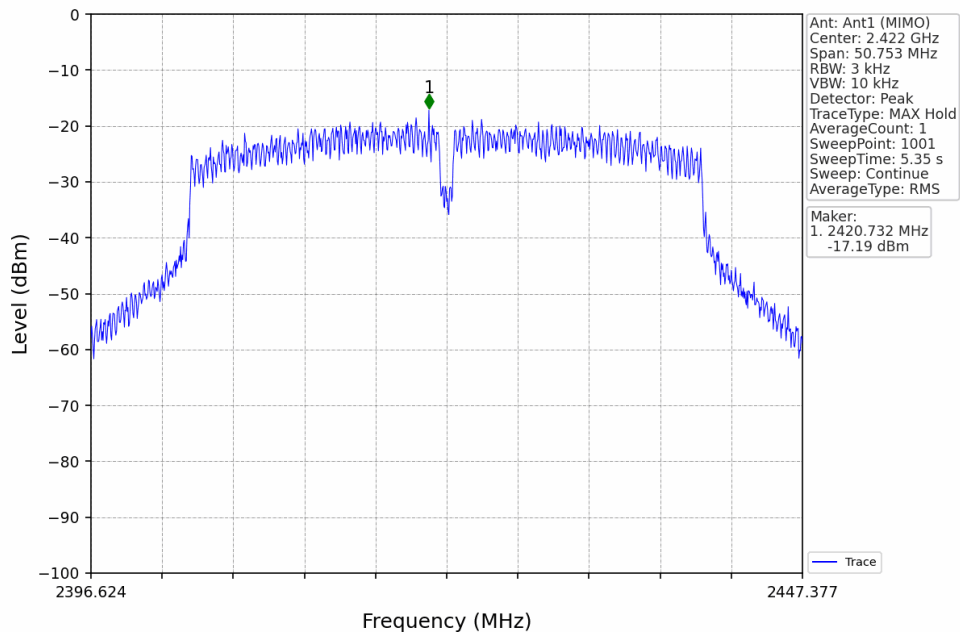
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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV

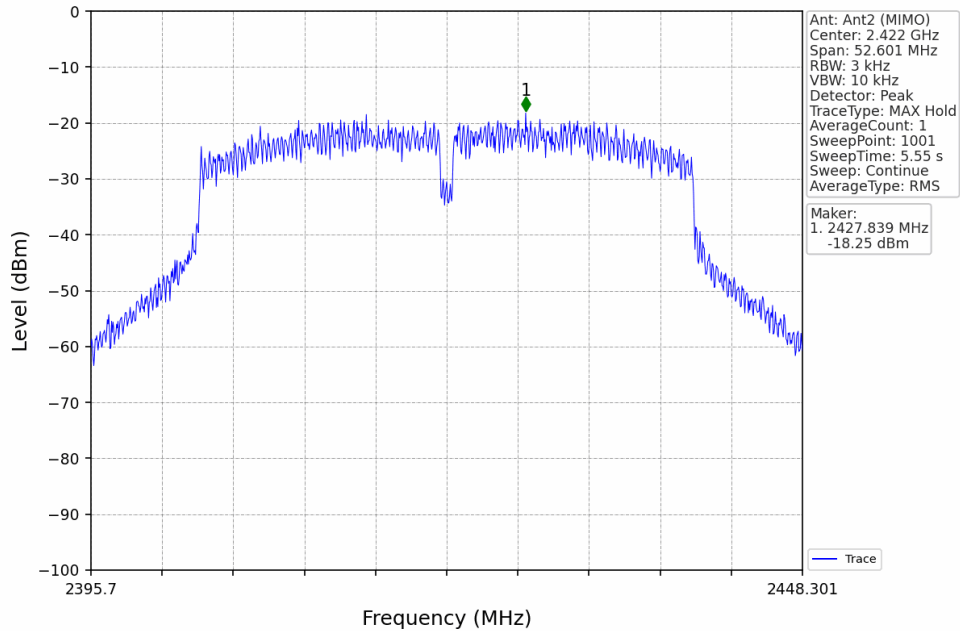


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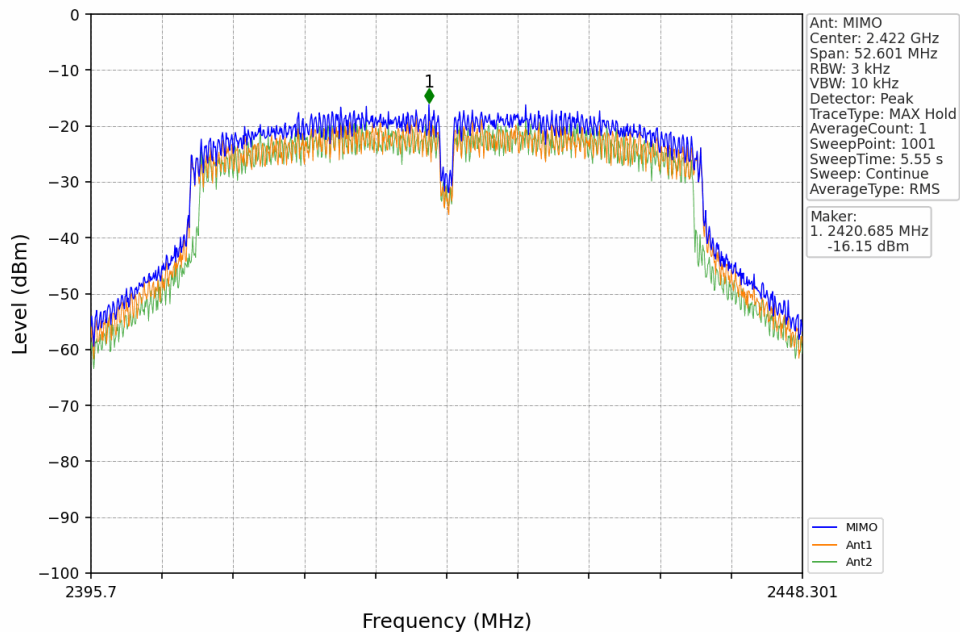
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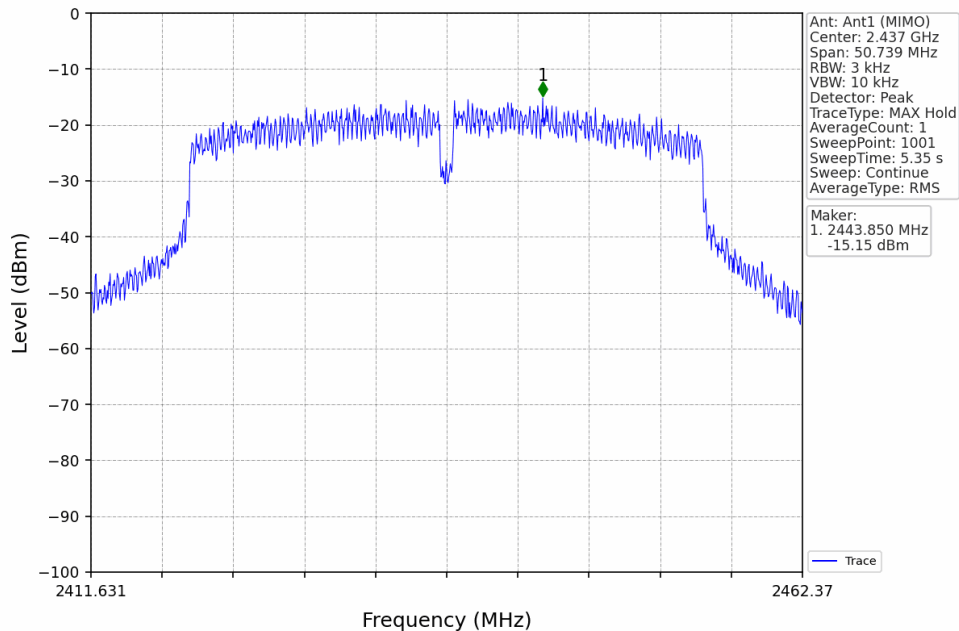
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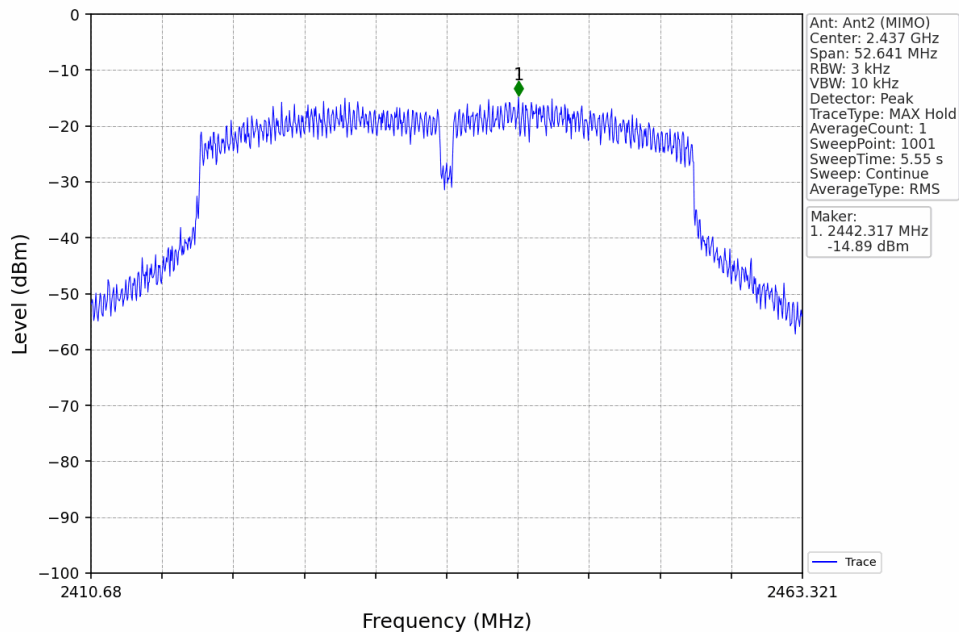
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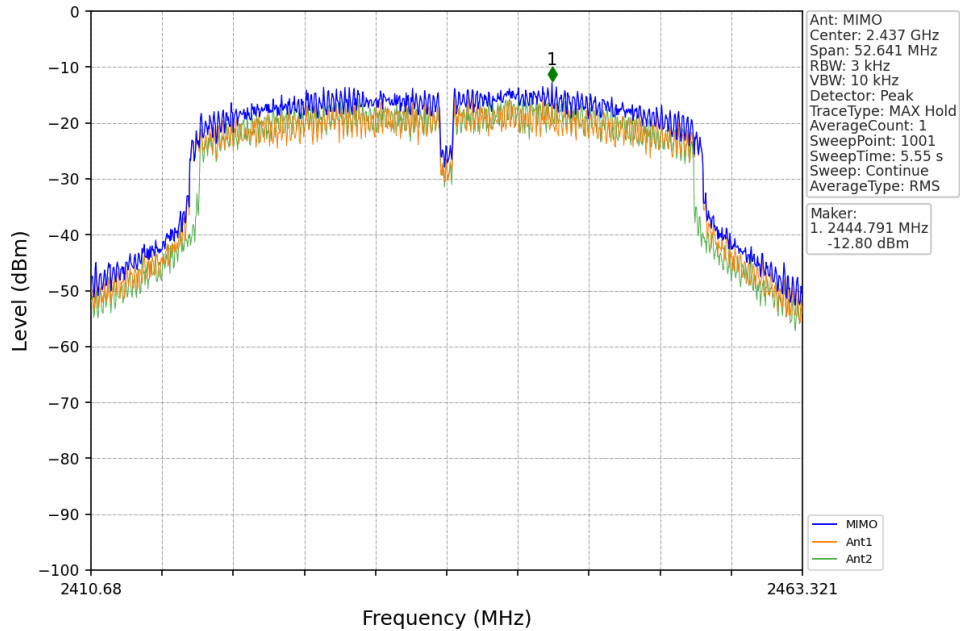
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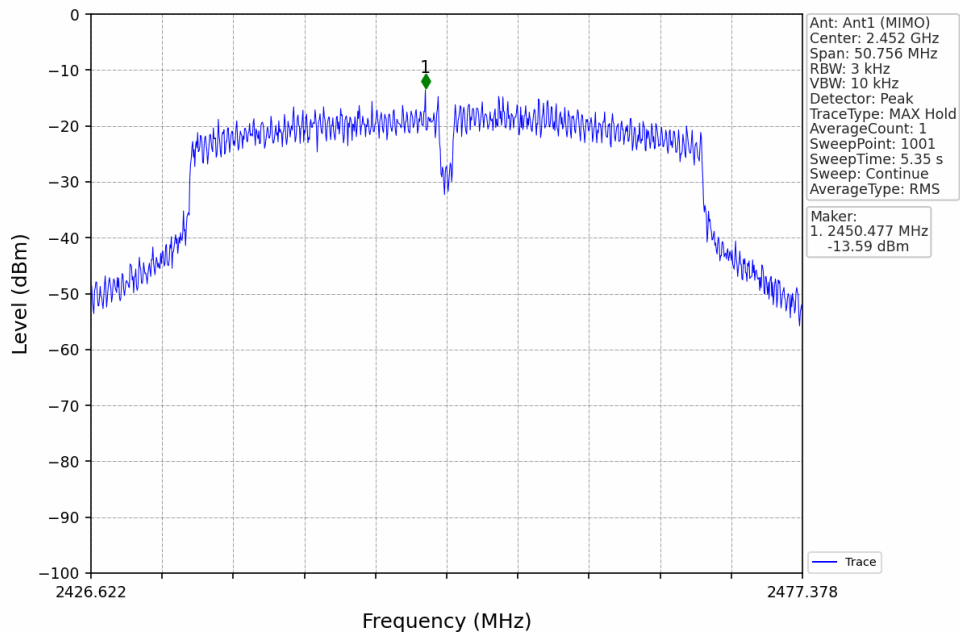
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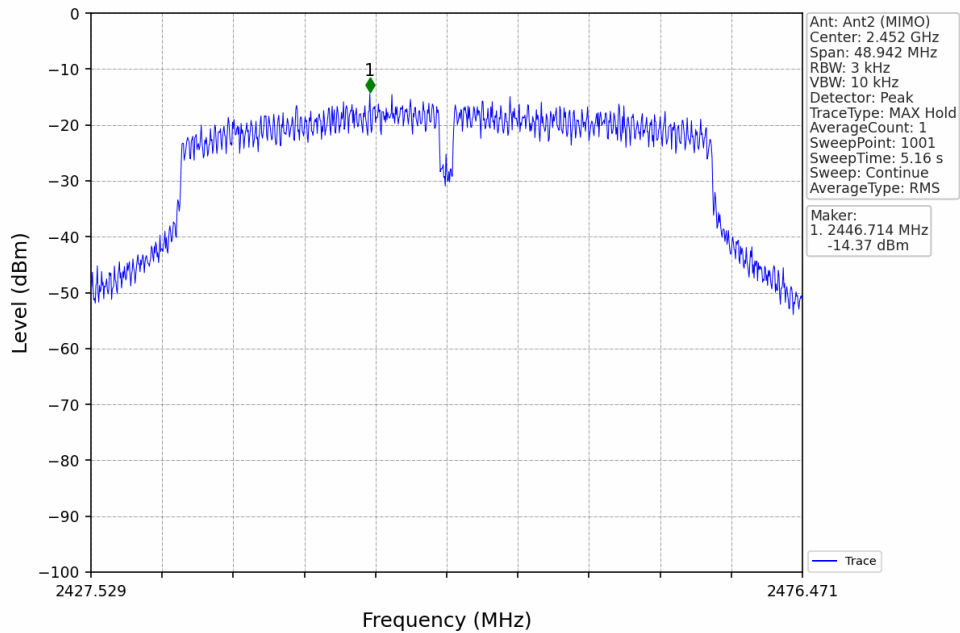
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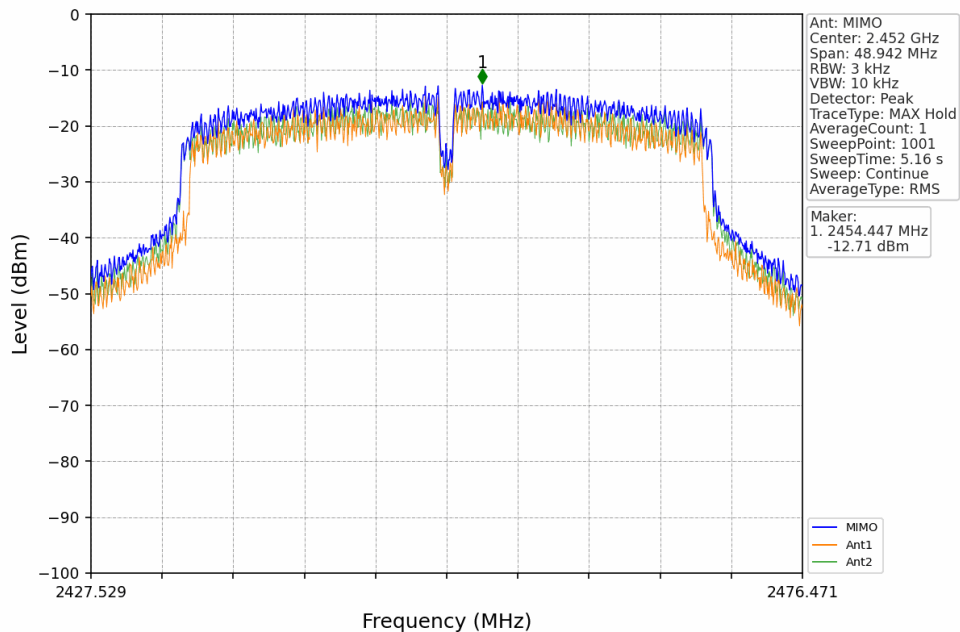
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

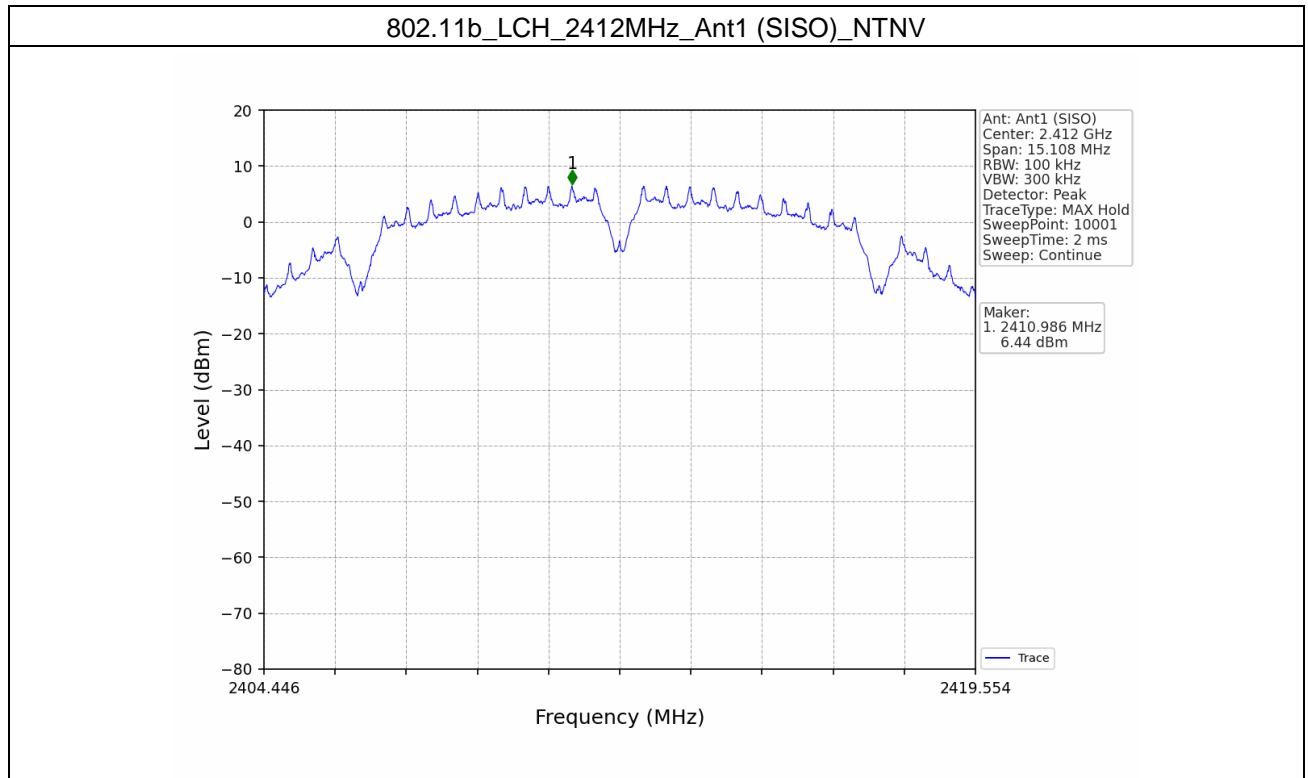
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	6.44
			2	6.15
		2437	1	7.65
			2	7.97
		2462	1	7.33
			2	7.35
802.11g	SISO	2412	1	6.00
			2	6.13
		2437	1	7.04
			2	6.82
		2462	1	6.81
			2	7.58
802.11n (HT20)	MIMO	2412	1	5.98
			2	6.62
		2437	1	6.83
			2	7.44
		2462	1	6.44
			2	7.16
802.11n (HT40)	MIMO	2422	1	-2.99
			2	-3.80
		2437	1	-0.03
			2	-0.05
		2452	1	0.03
			2	0.86



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5.1.2 Test Graph

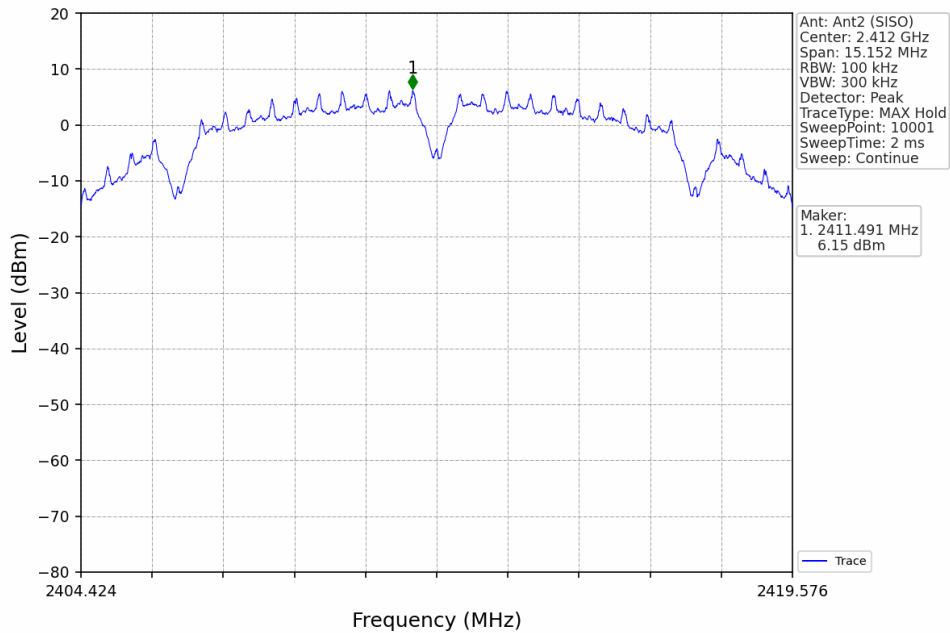


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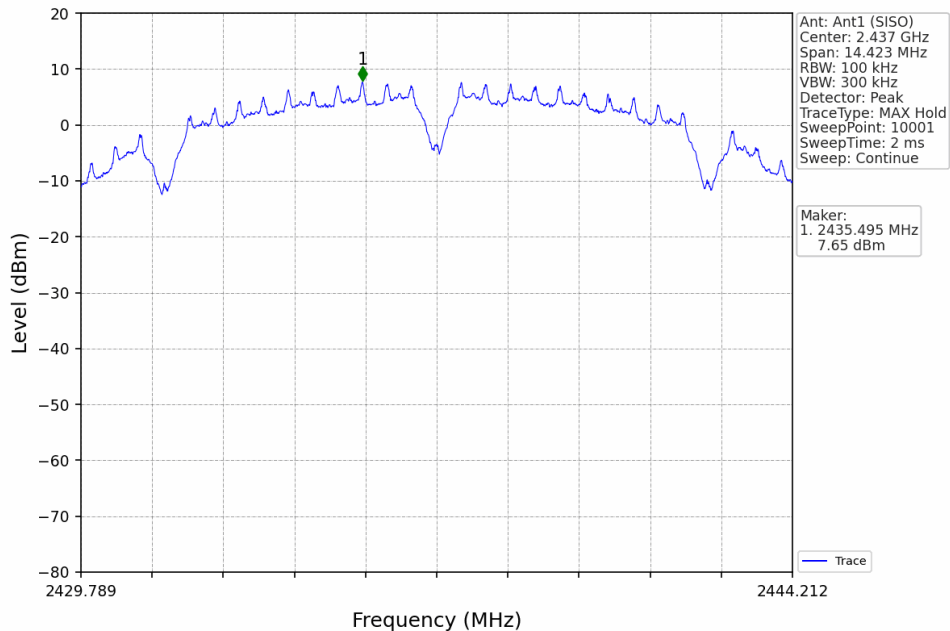
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



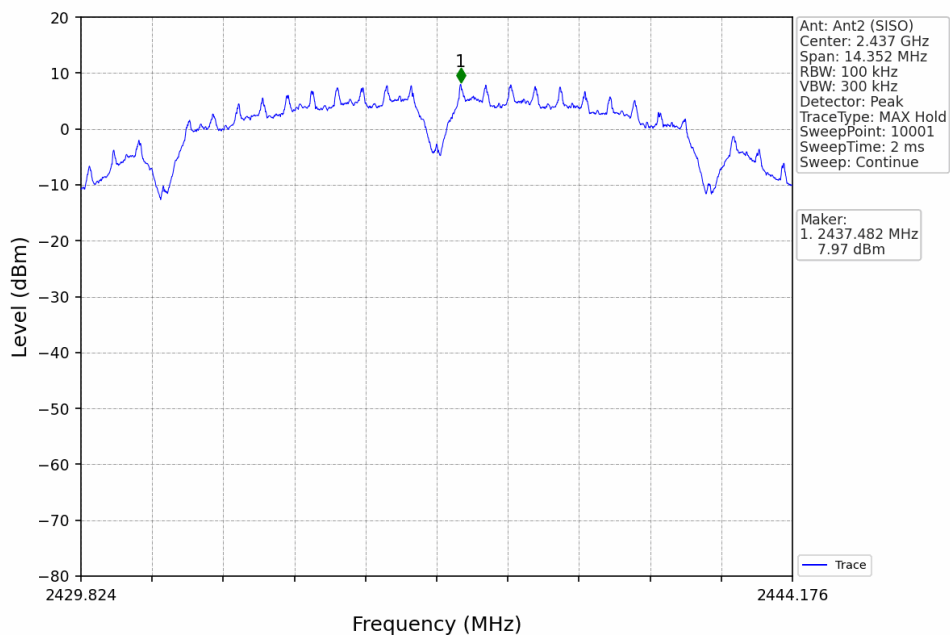
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



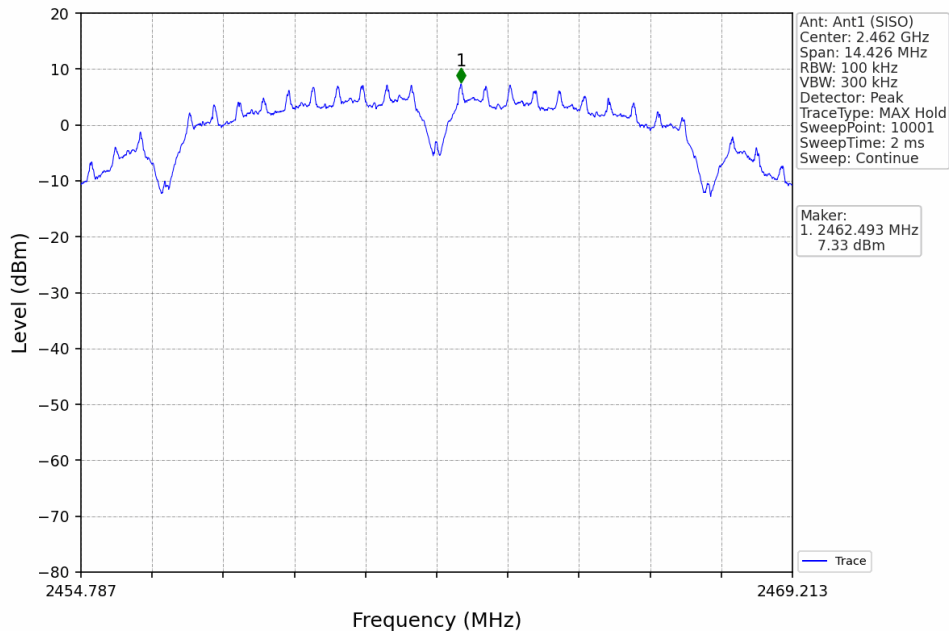
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



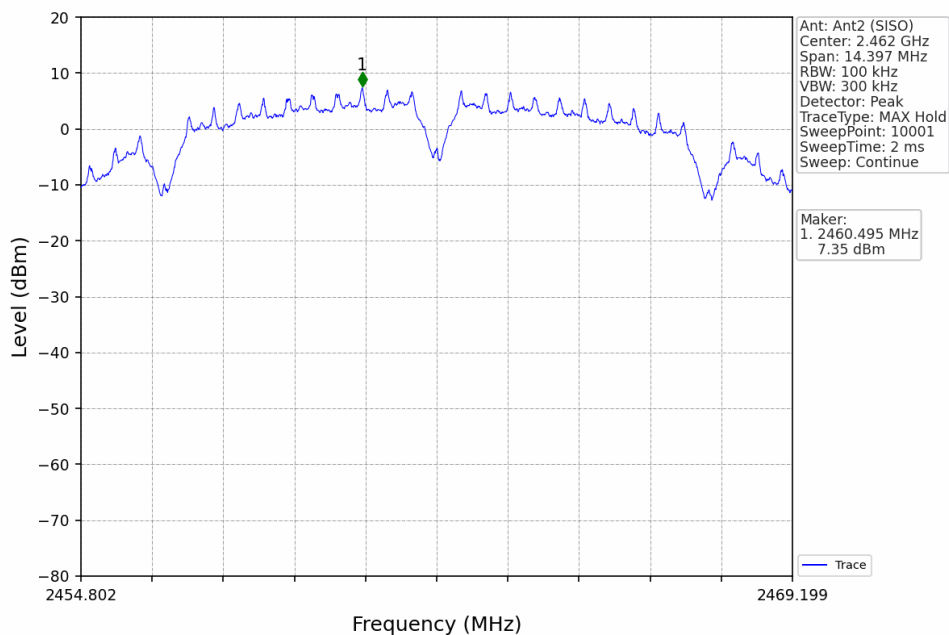
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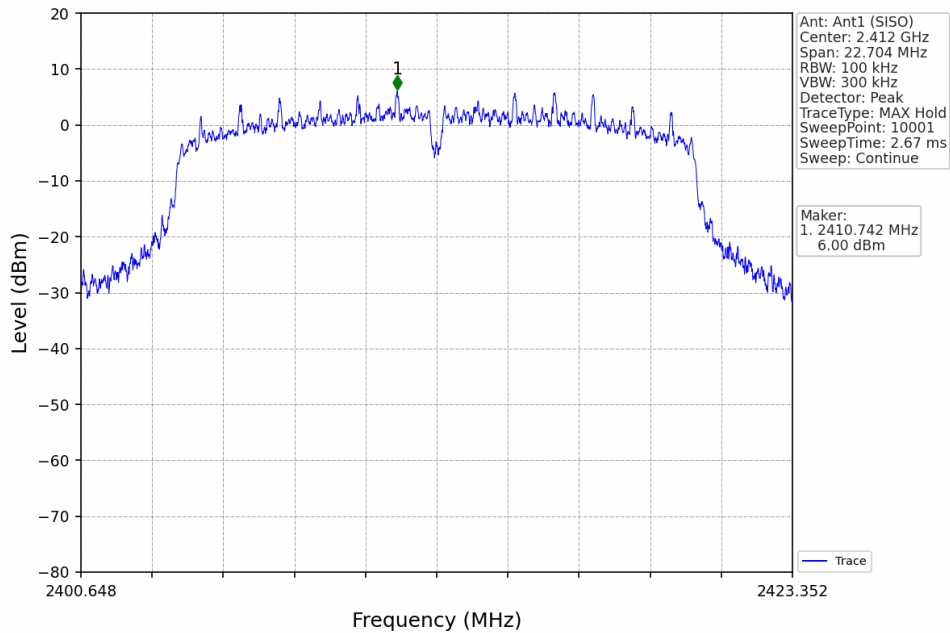
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



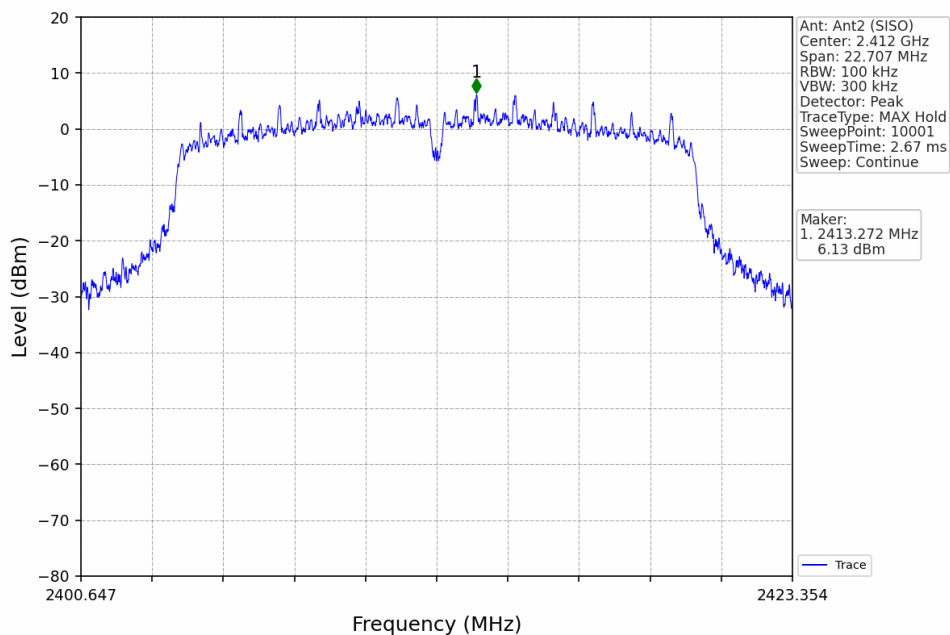
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



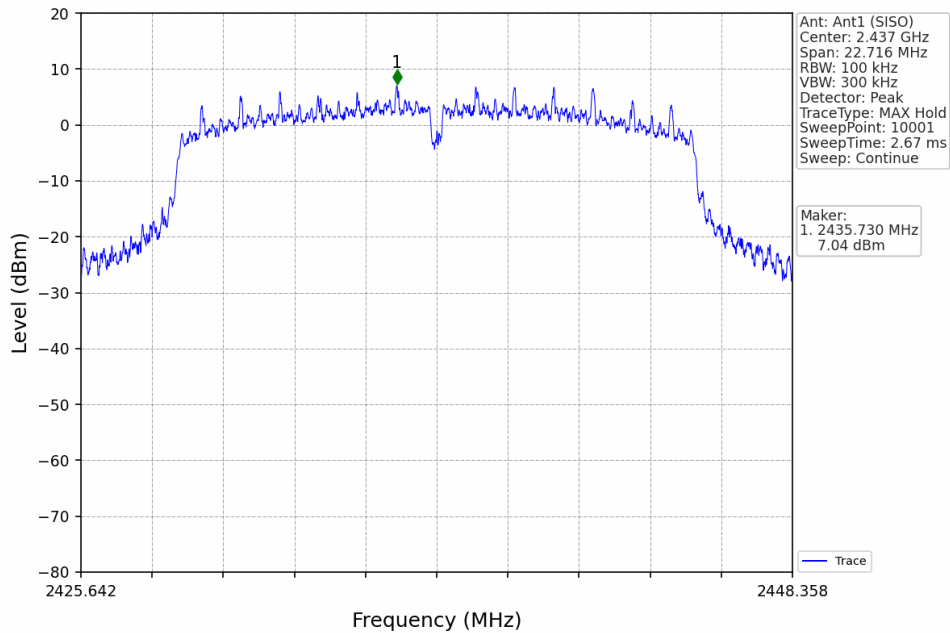
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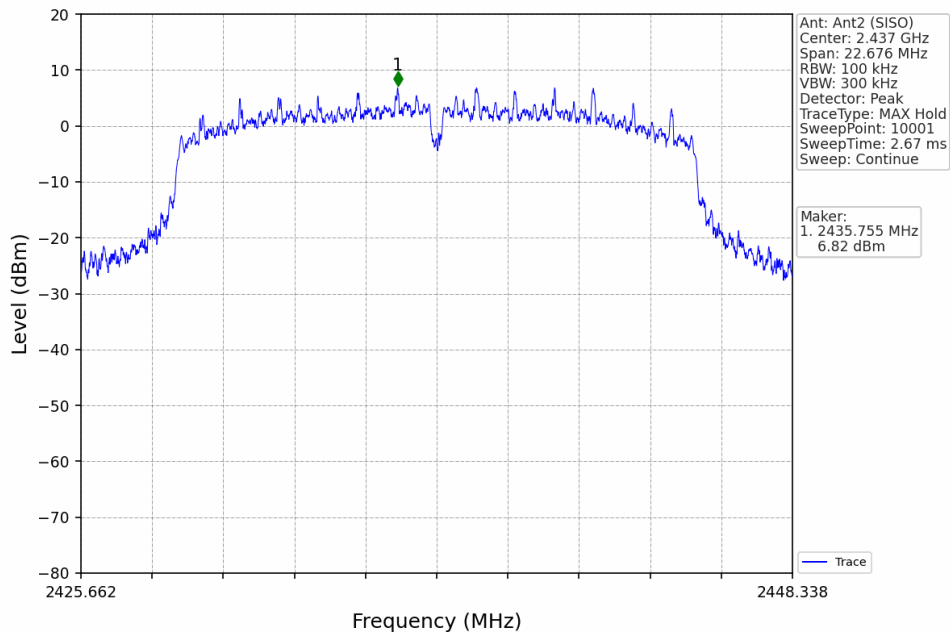
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



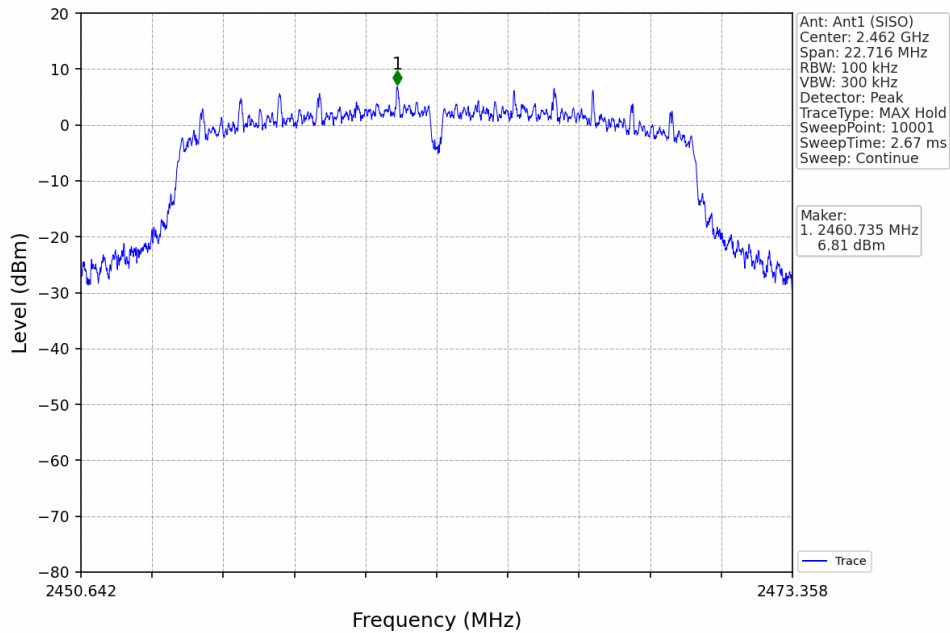
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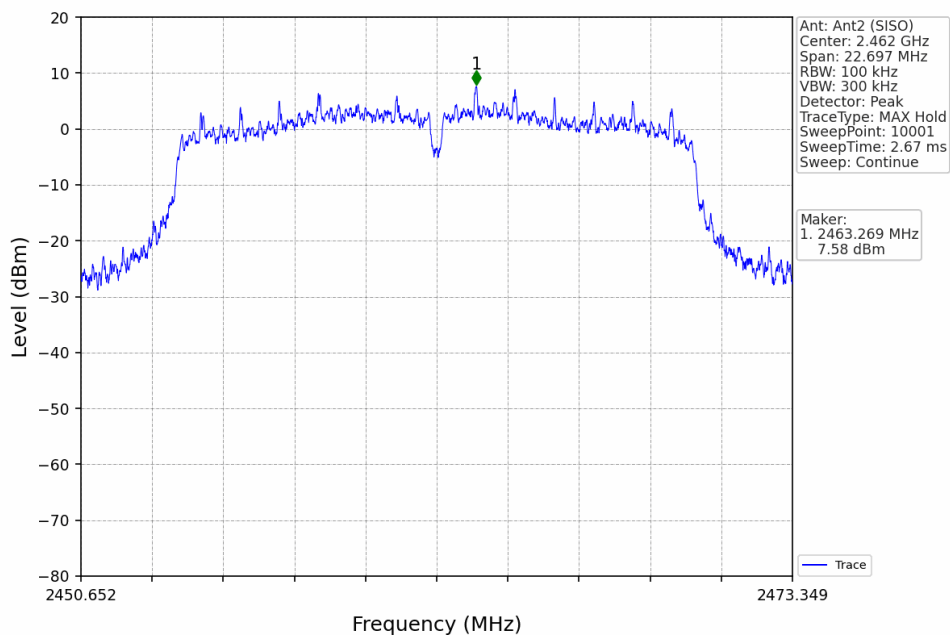
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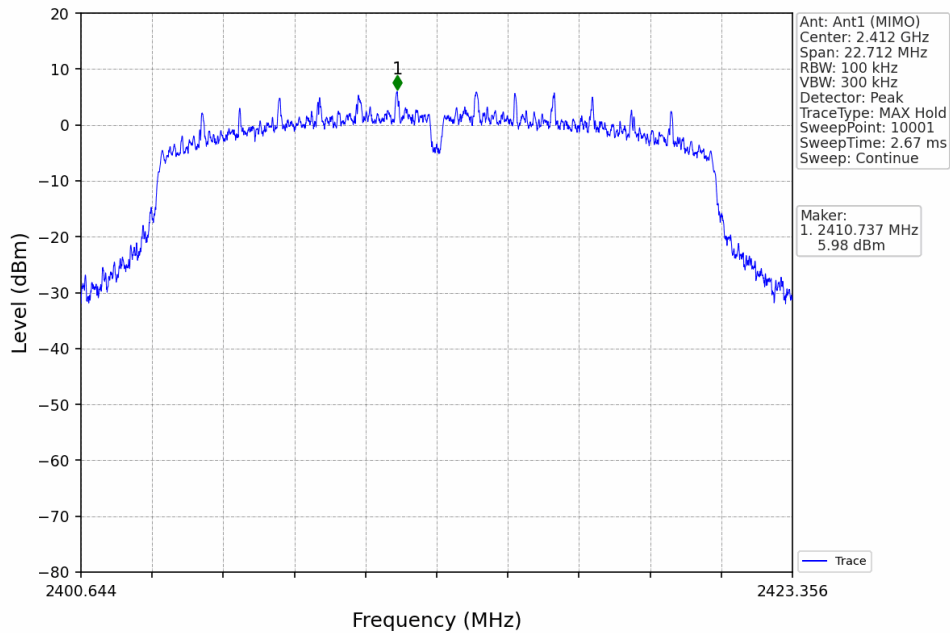
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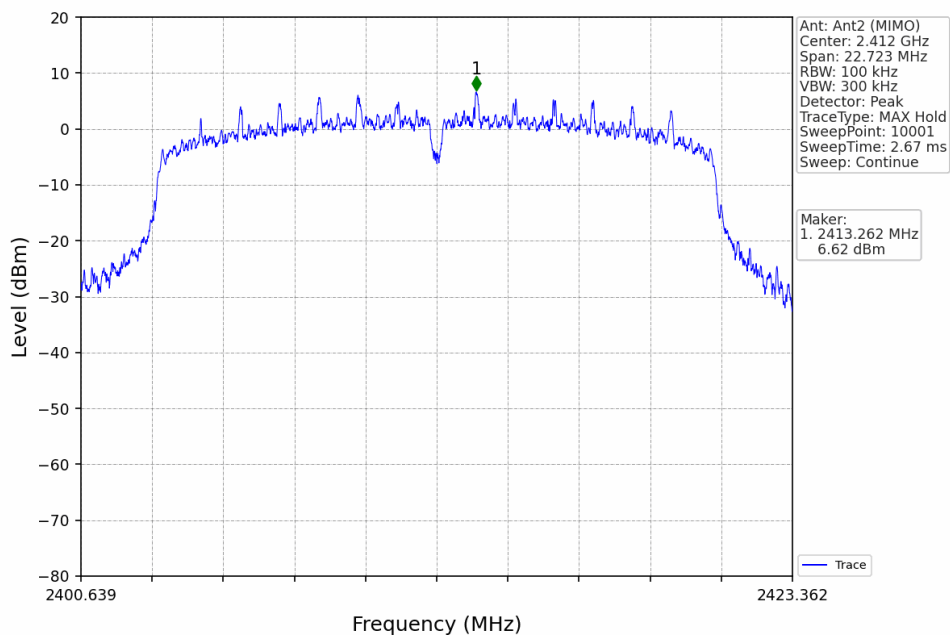
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



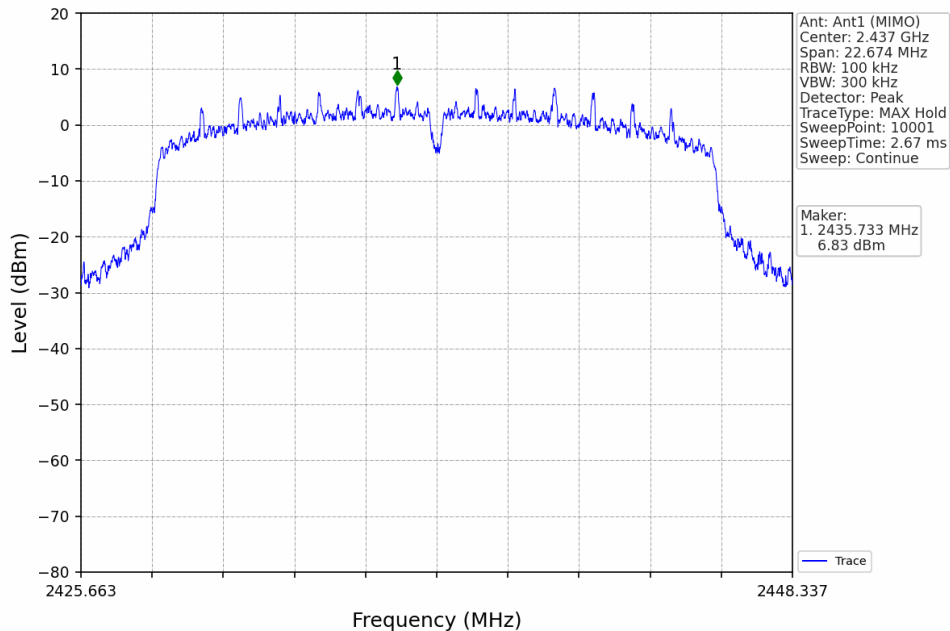
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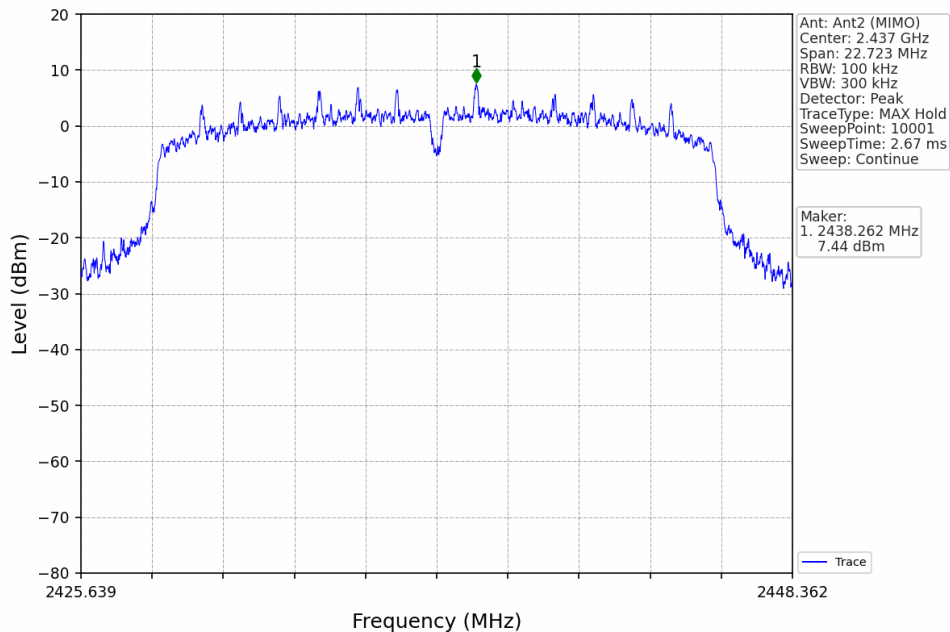
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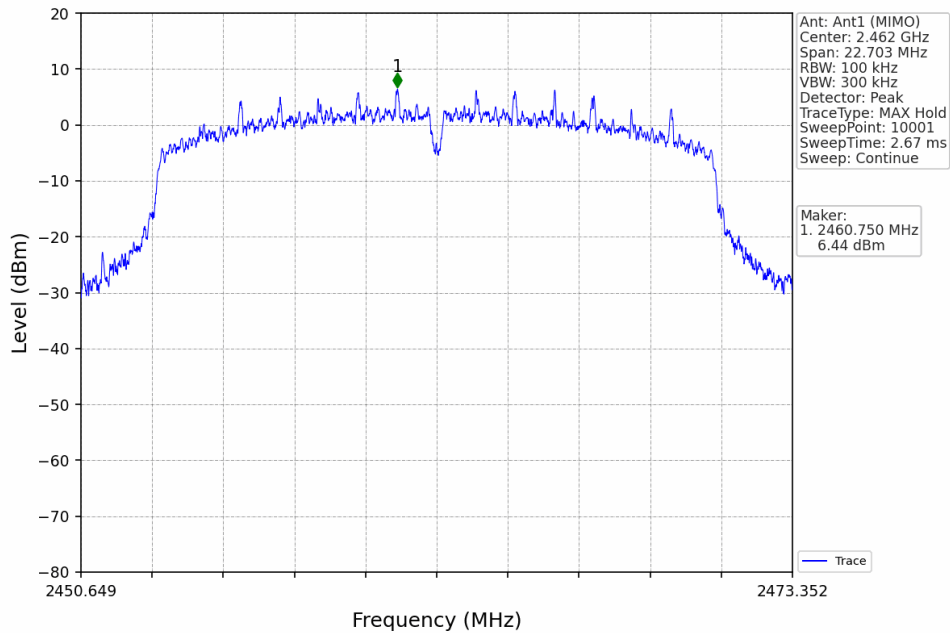
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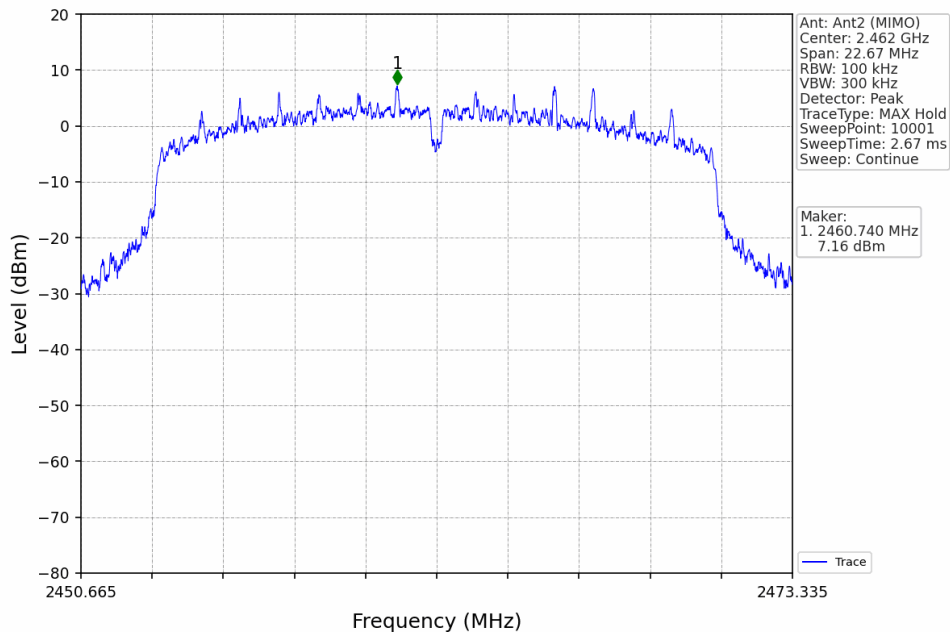
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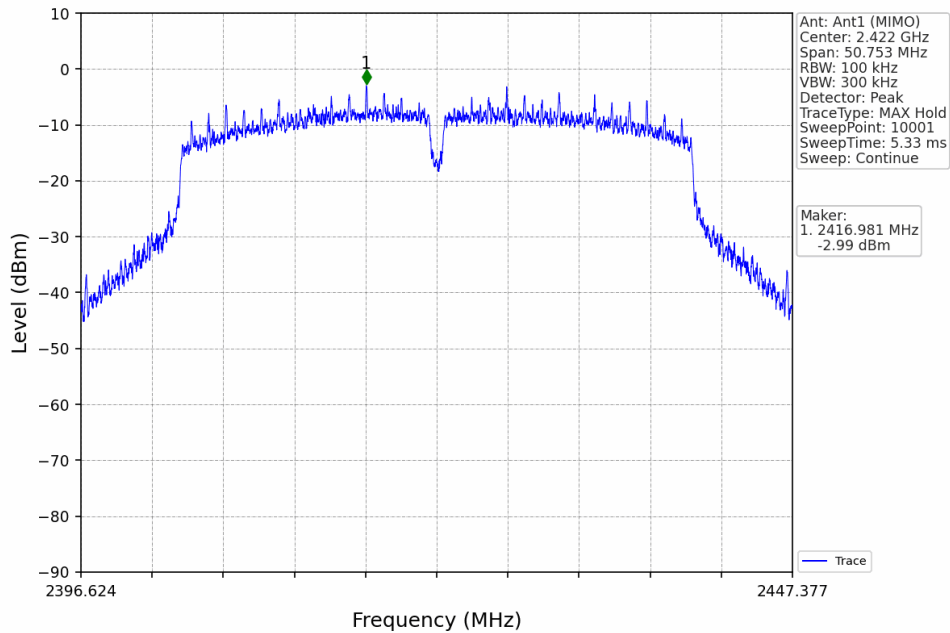
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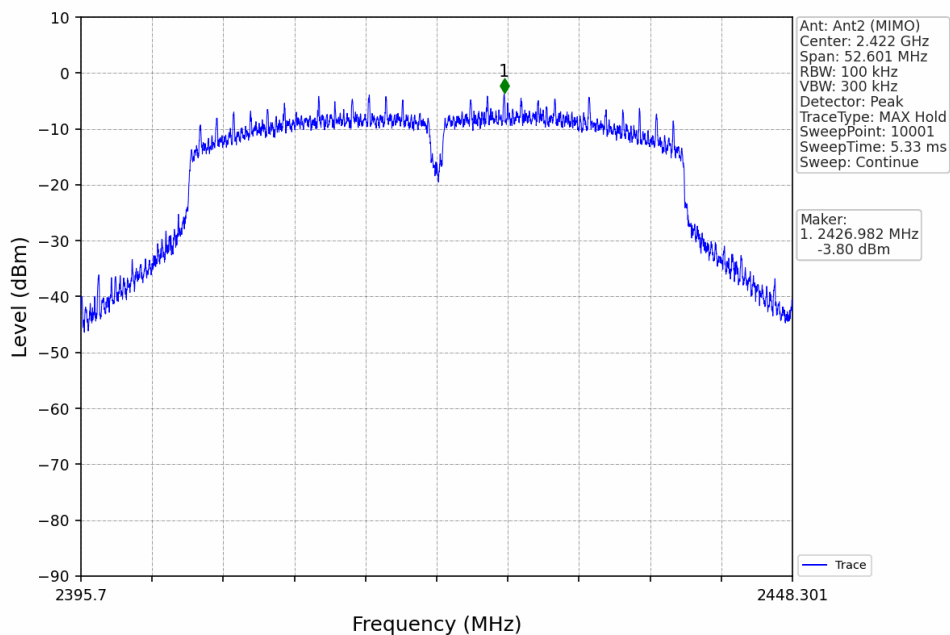
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802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



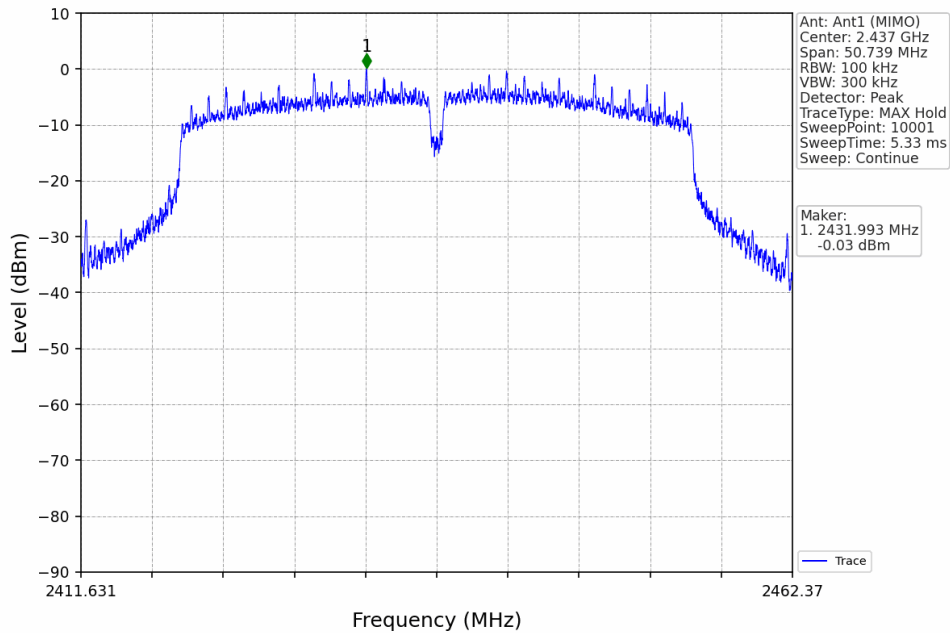
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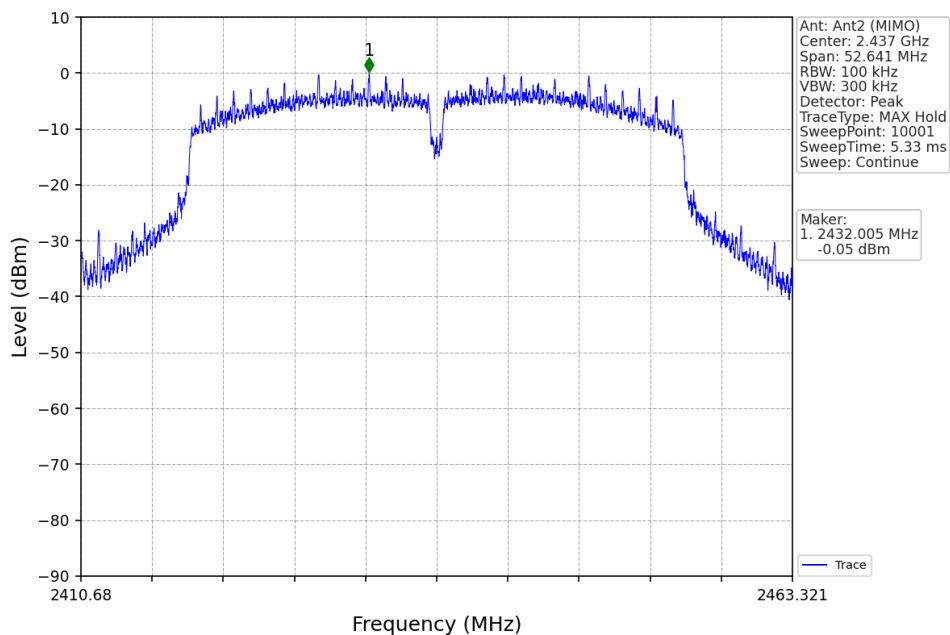
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



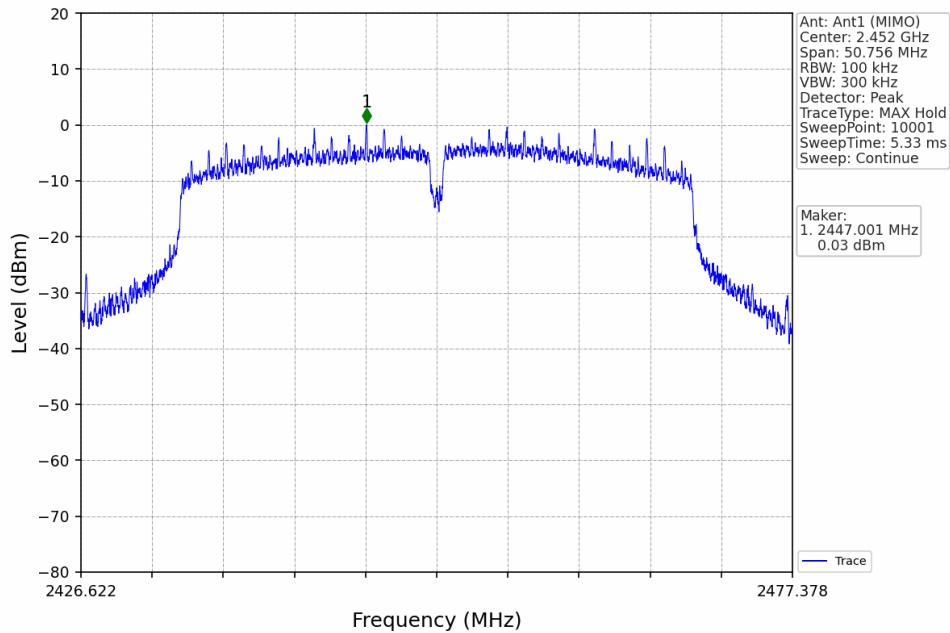
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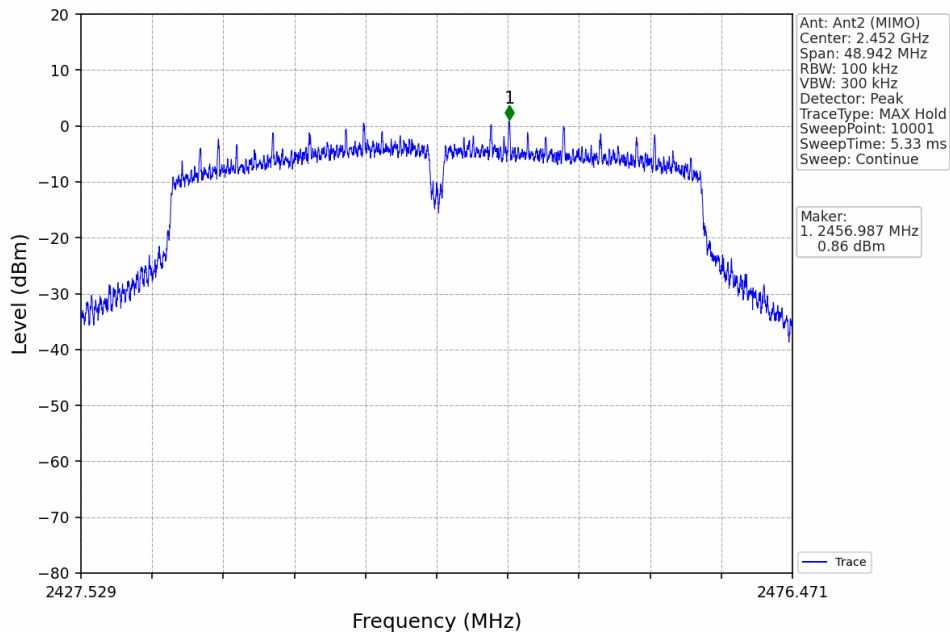
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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



5.2 CSE

5.2.1 Test Result

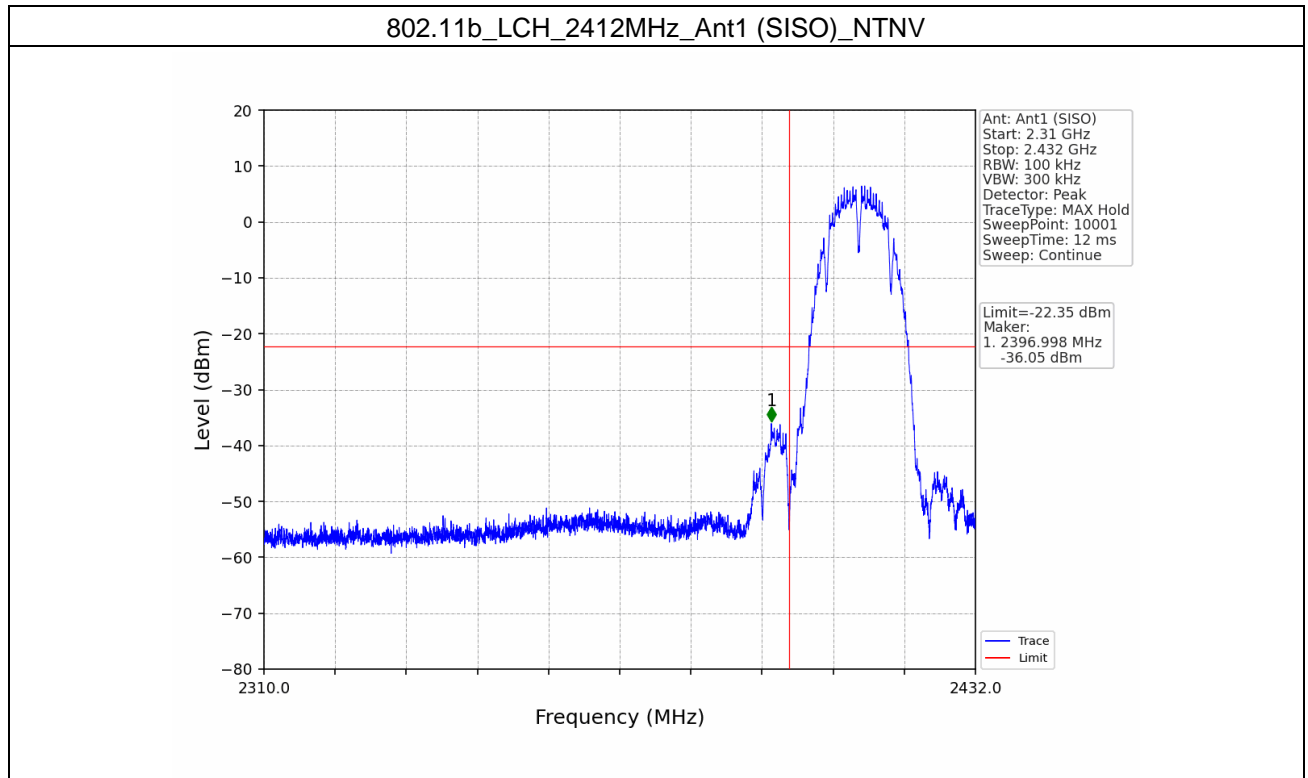
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	7.65	-22.35	Pass
			2	7.97	-22.03	Pass
		2437	1	7.65	-22.35	Pass
			2	7.97	-22.03	Pass
		2462	1	7.65	-22.35	Pass
			2	7.97	-22.03	Pass
802.11g	SISO	2412	1	7.04	-22.96	Pass
			2	7.58	-22.42	Pass
		2437	1	7.04	-22.96	Pass
			2	7.58	-22.42	Pass
		2462	1	7.04	-22.96	Pass
			2	7.58	-22.42	Pass
802.11n (HT20)	MIMO	2412	1	6.83	-23.17	Pass
			2	7.44	-22.56	Pass
		2437	1	6.83	-23.17	Pass
			2	7.44	-22.56	Pass
		2462	1	6.83	-23.17	Pass
			2	7.44	-22.56	Pass
802.11n (HT40)	MIMO	2422	1	0.03	-29.97	Pass
			2	0.86	-29.14	Pass
		2437	1	0.03	-29.97	Pass
			2	0.86	-29.14	Pass
		2452	1	0.03	-29.97	Pass
			2	0.86	-29.14	Pass



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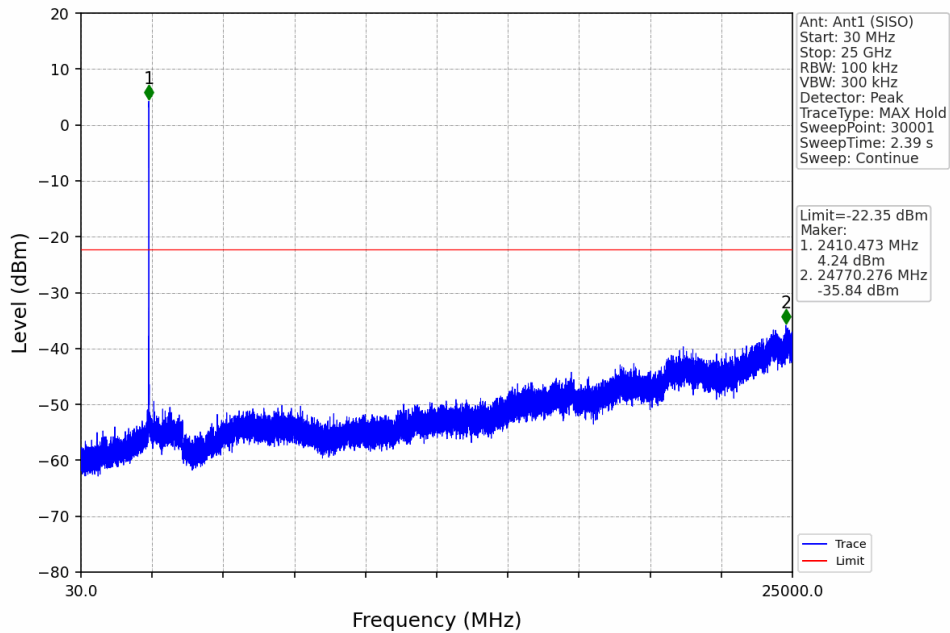
5.2.2 Test Graph



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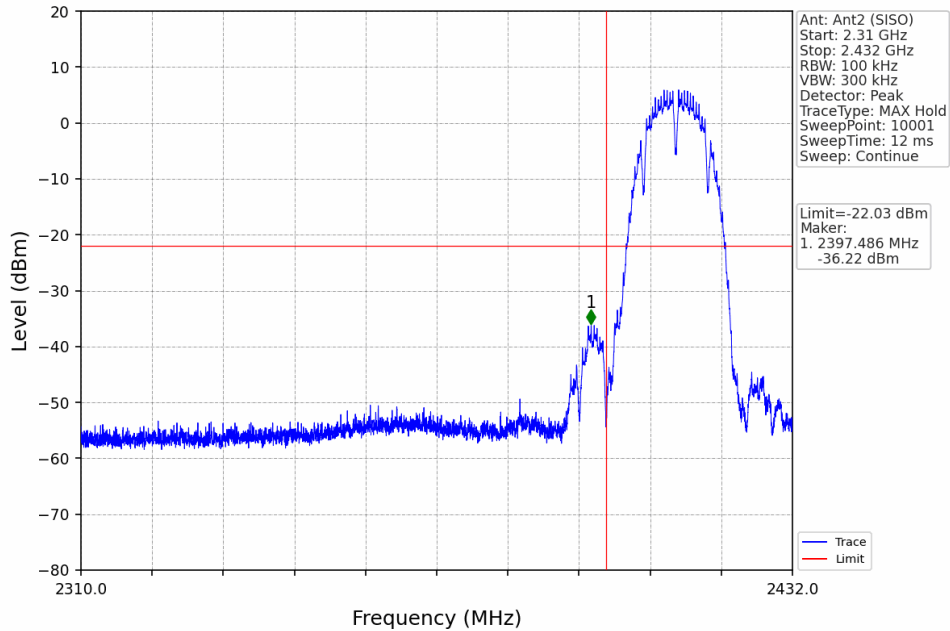
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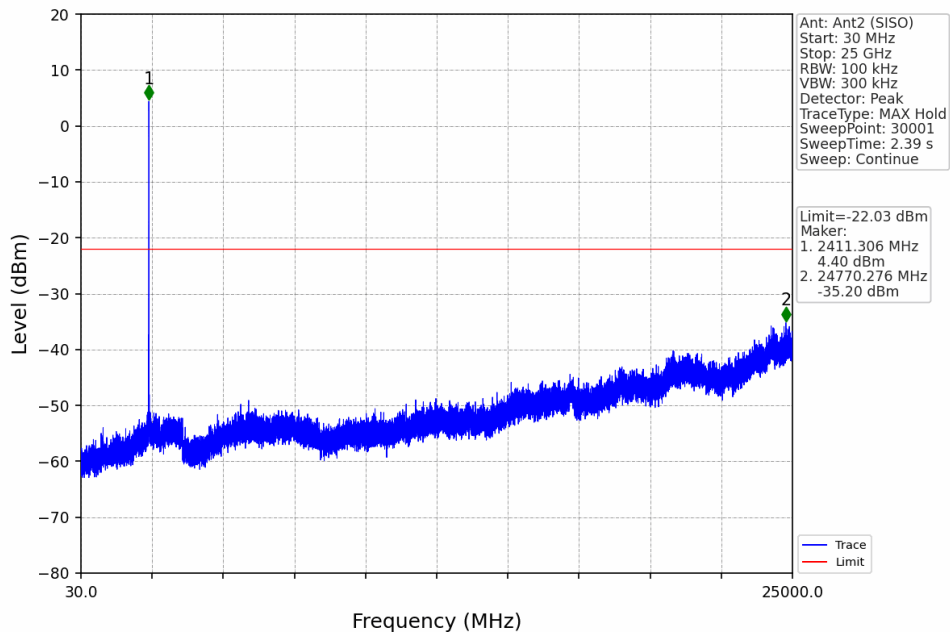
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802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



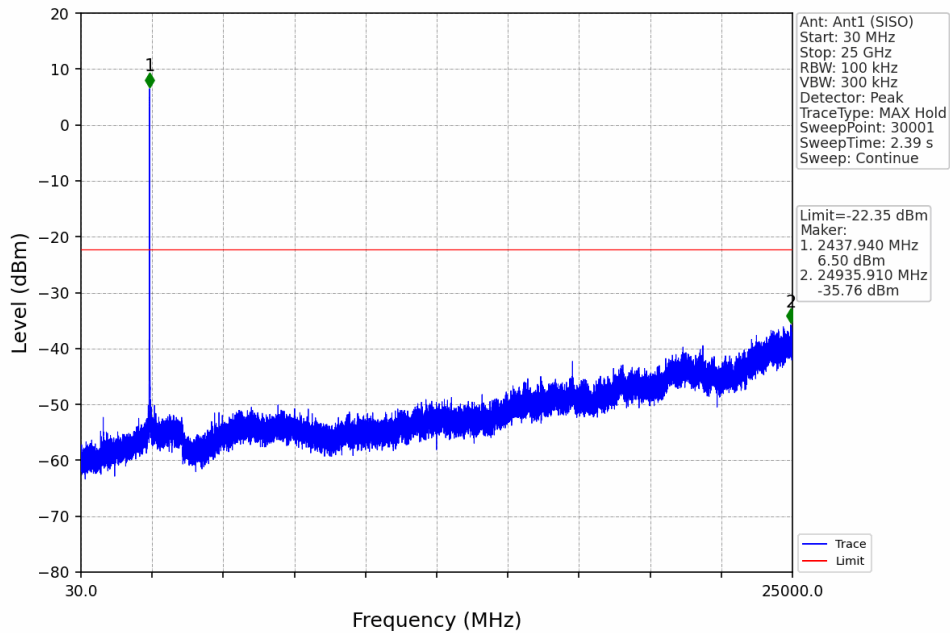
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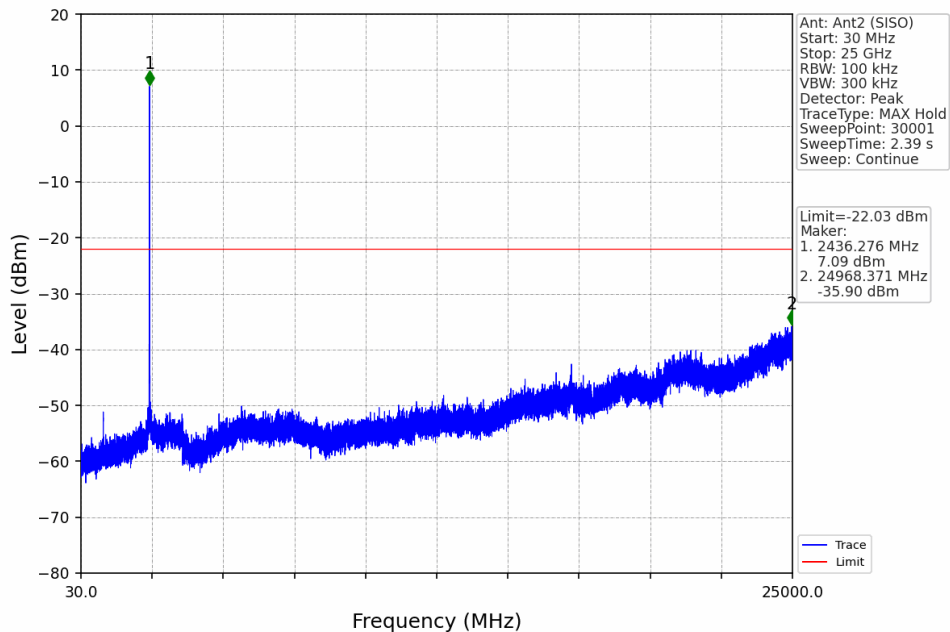
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



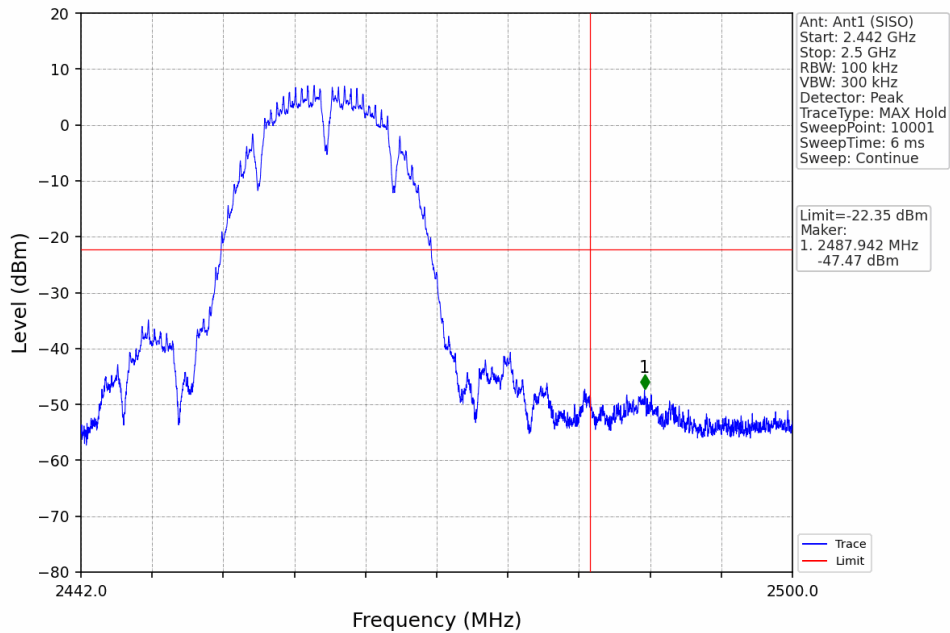
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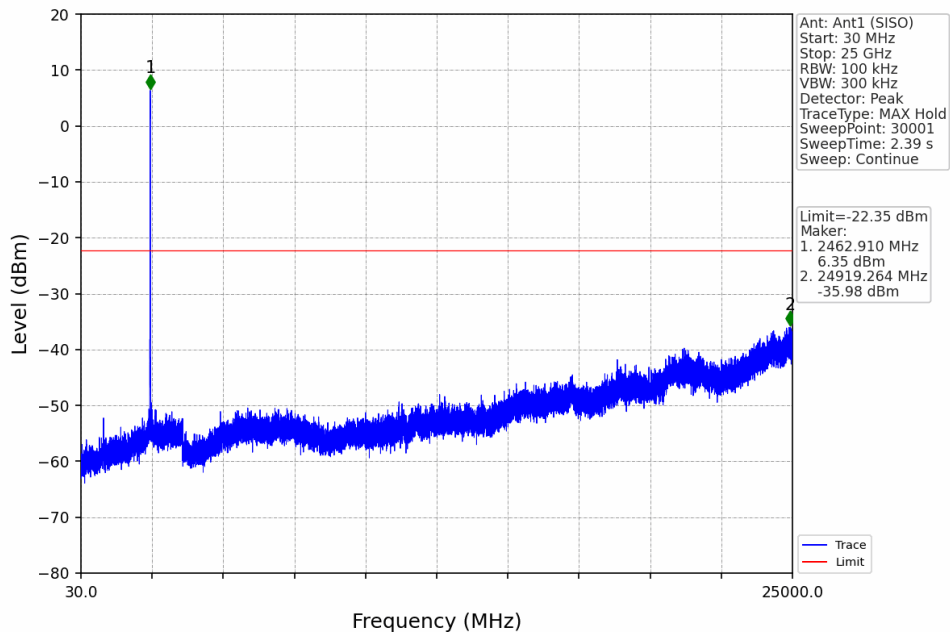
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



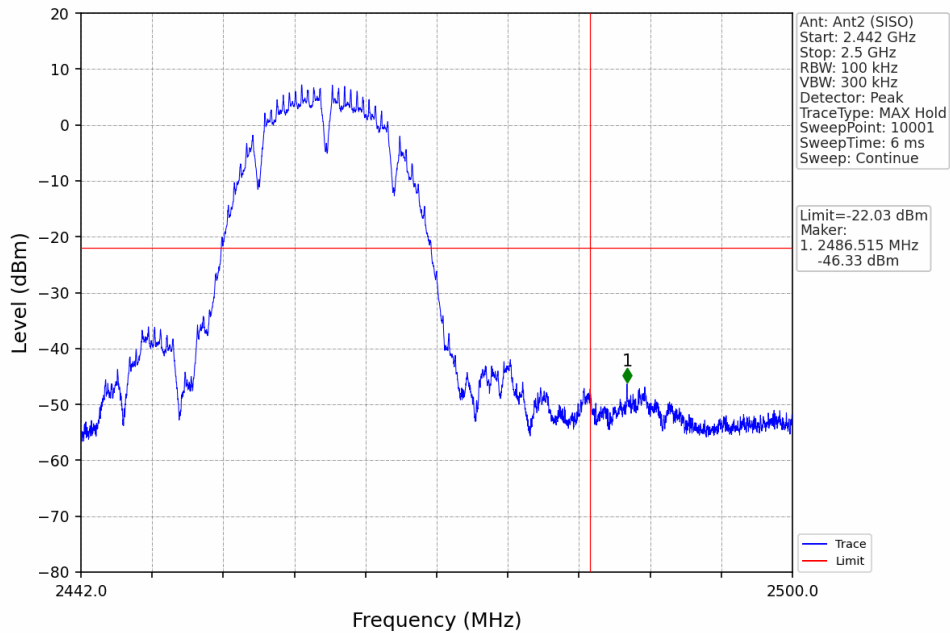
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



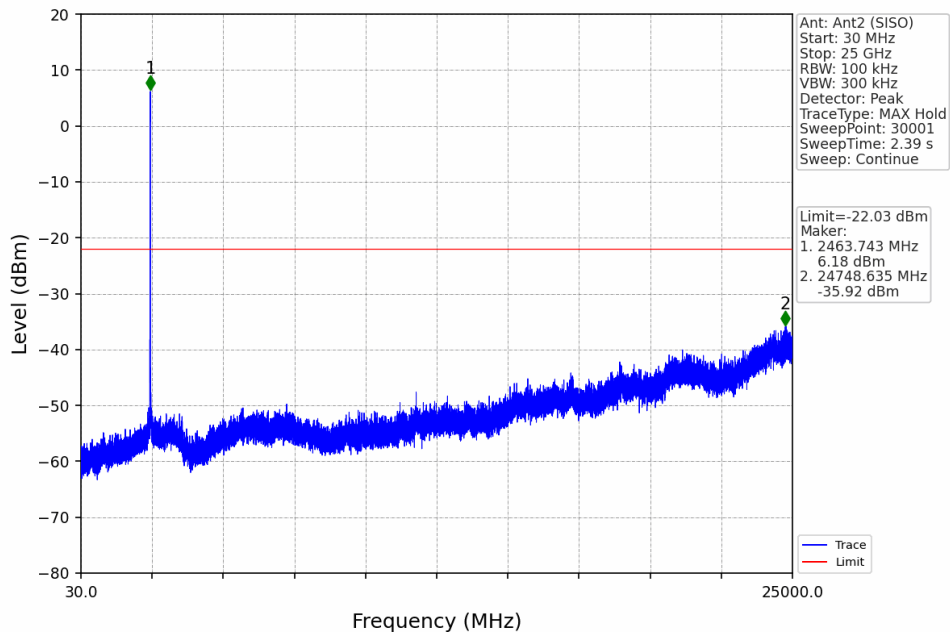
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802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



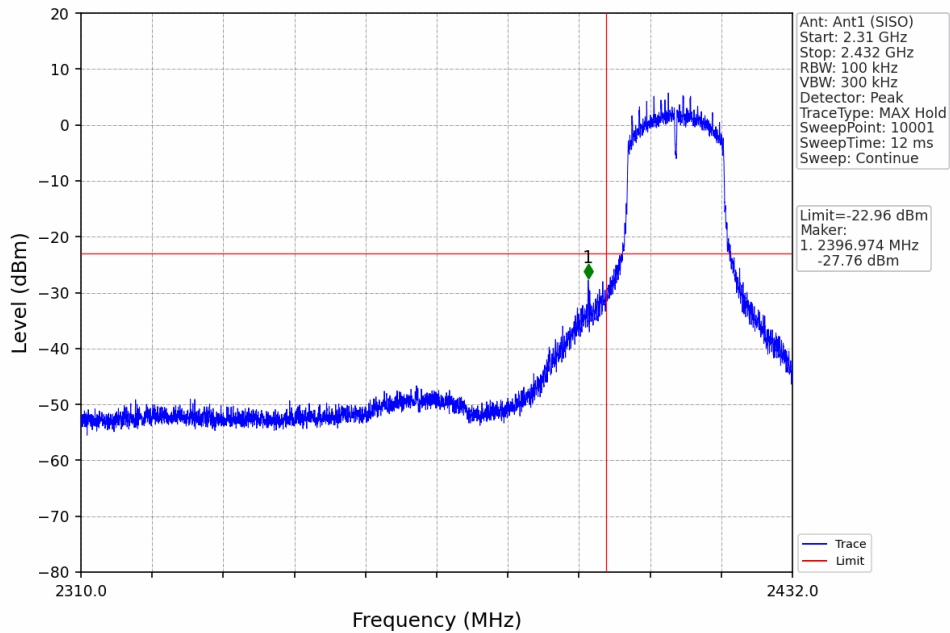
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

