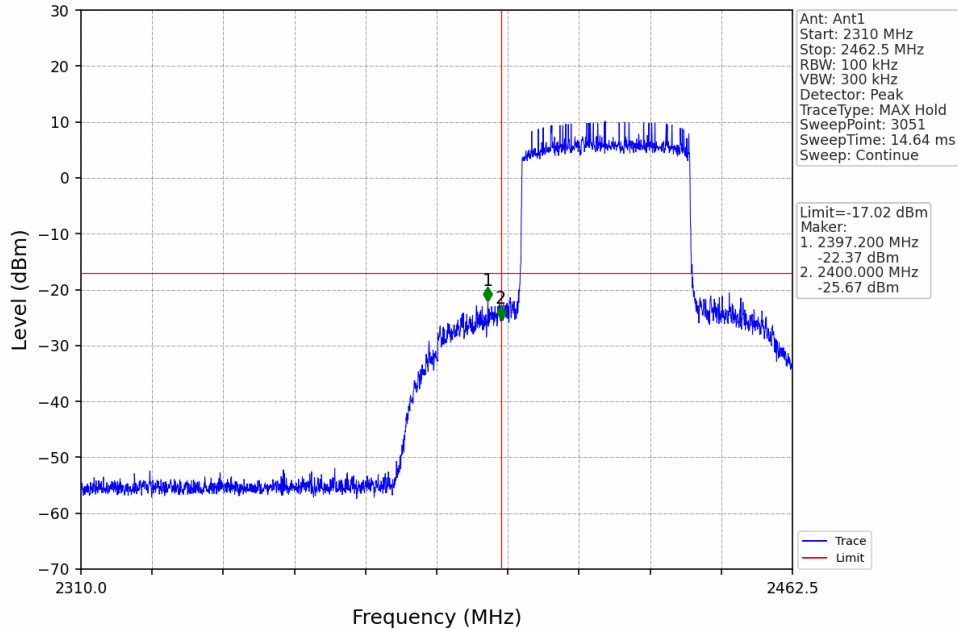
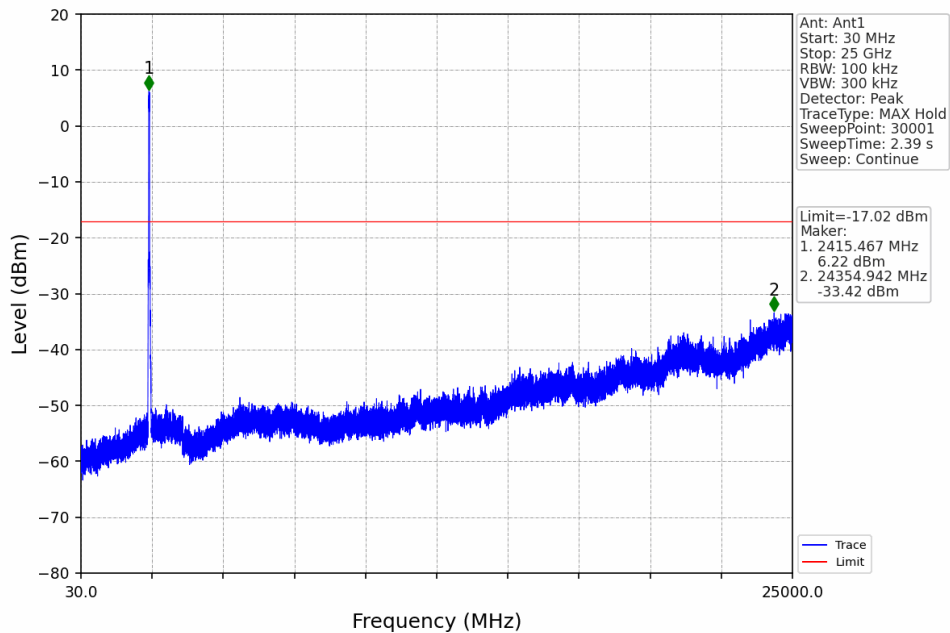


40M_LCH_2422.5MHz_Ant1_NTNV



40M_LCH_2422.5MHz_Ant1_NTNV



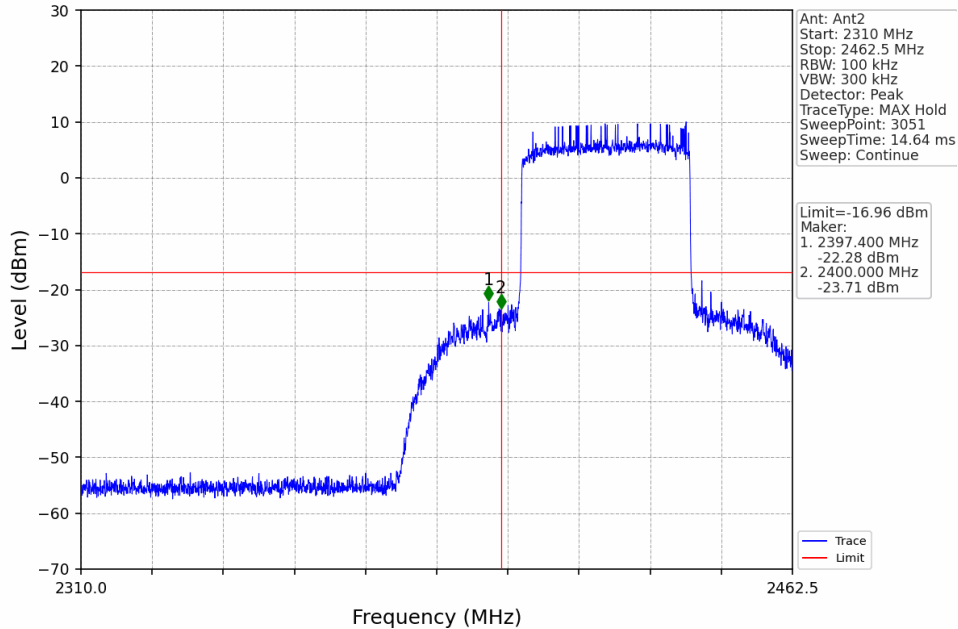
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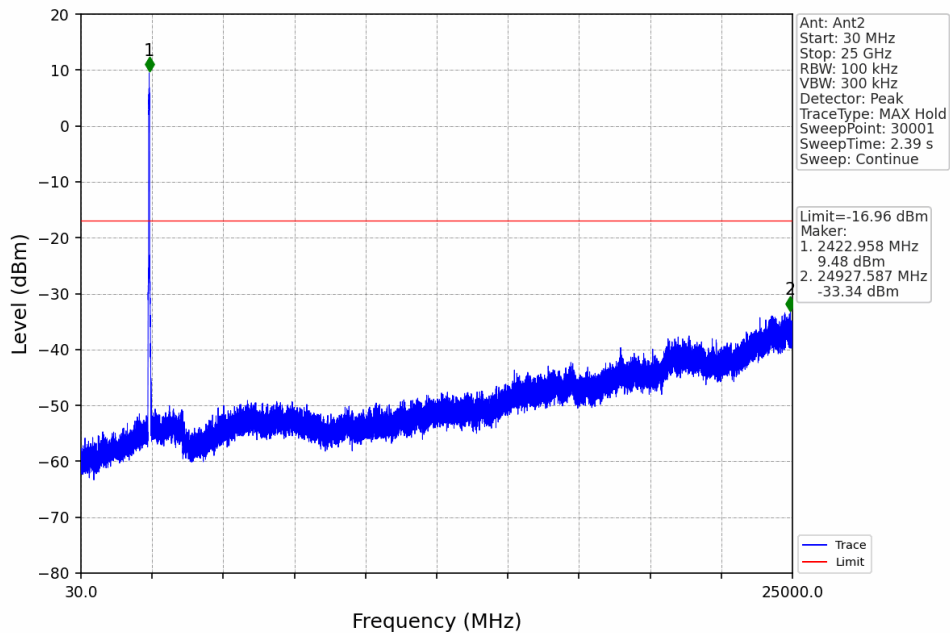
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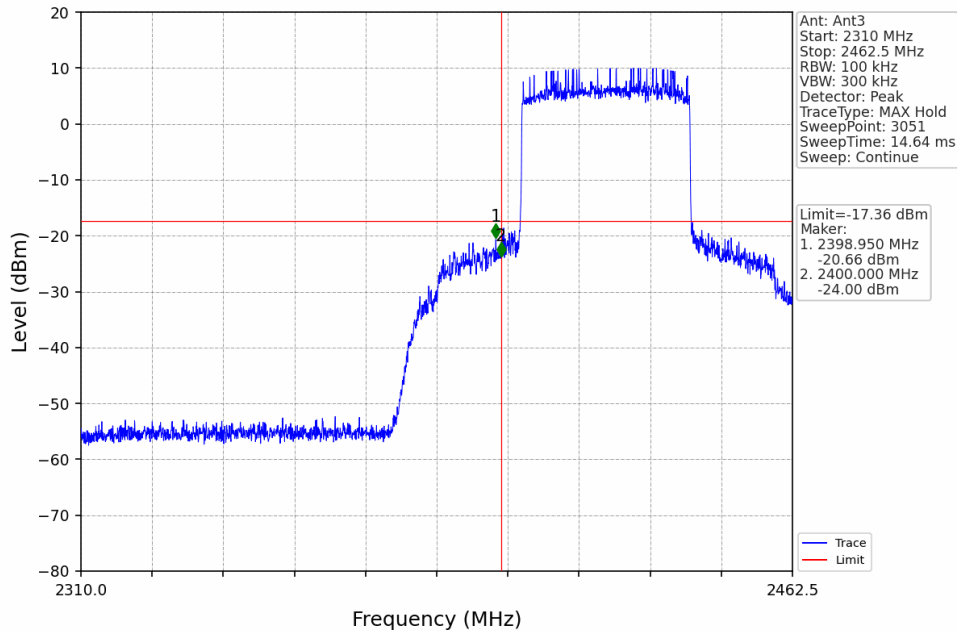
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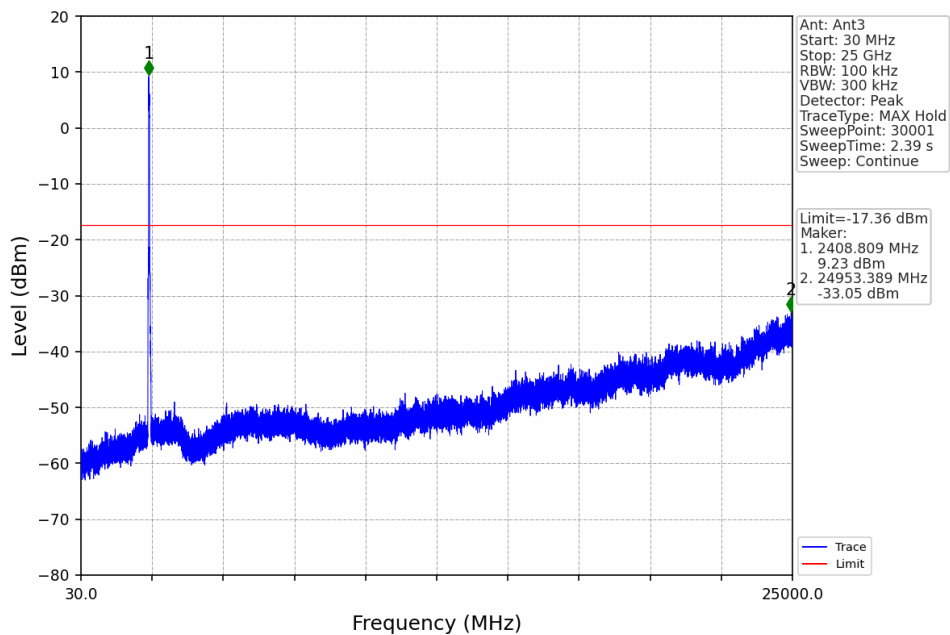
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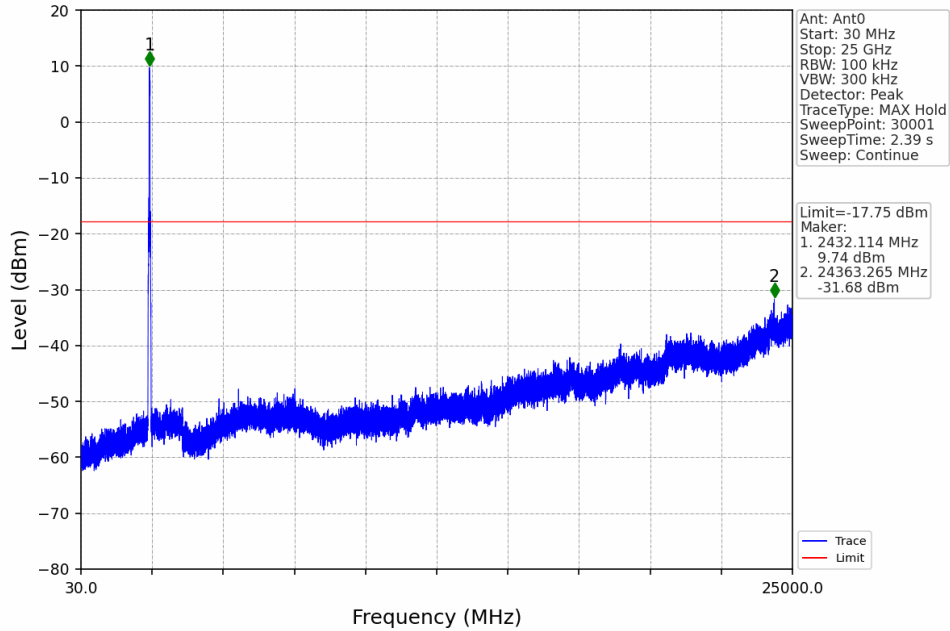
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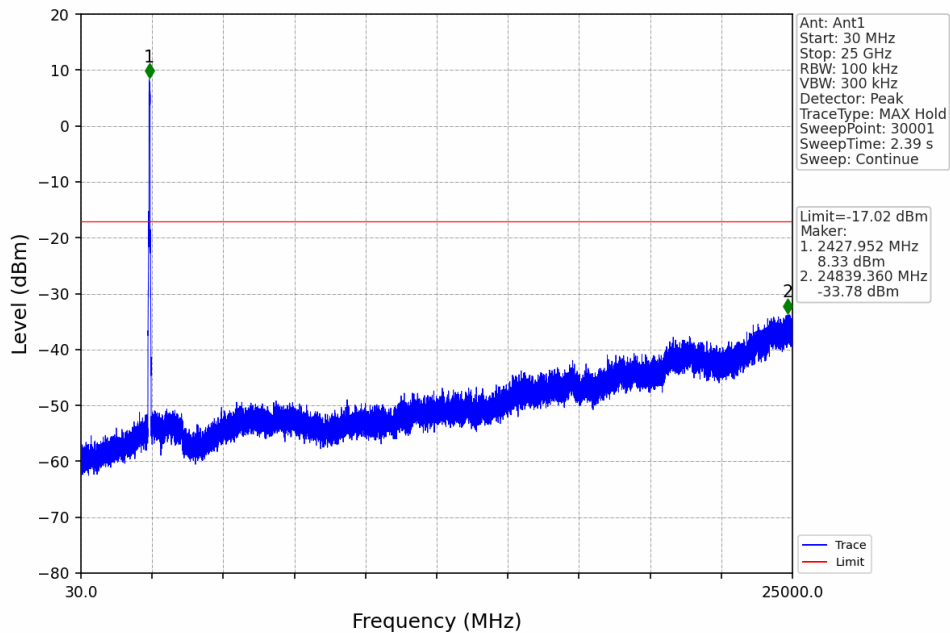
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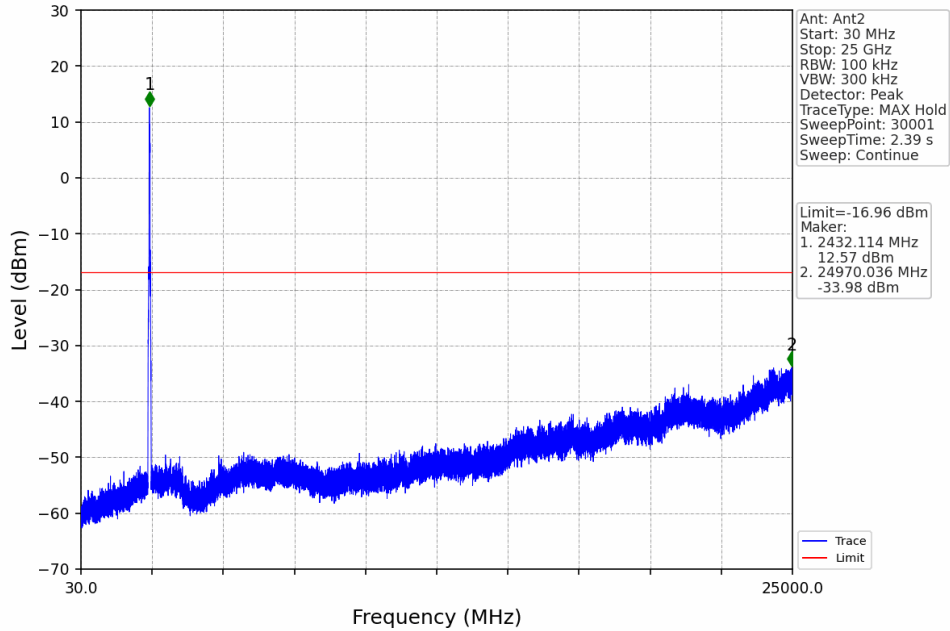
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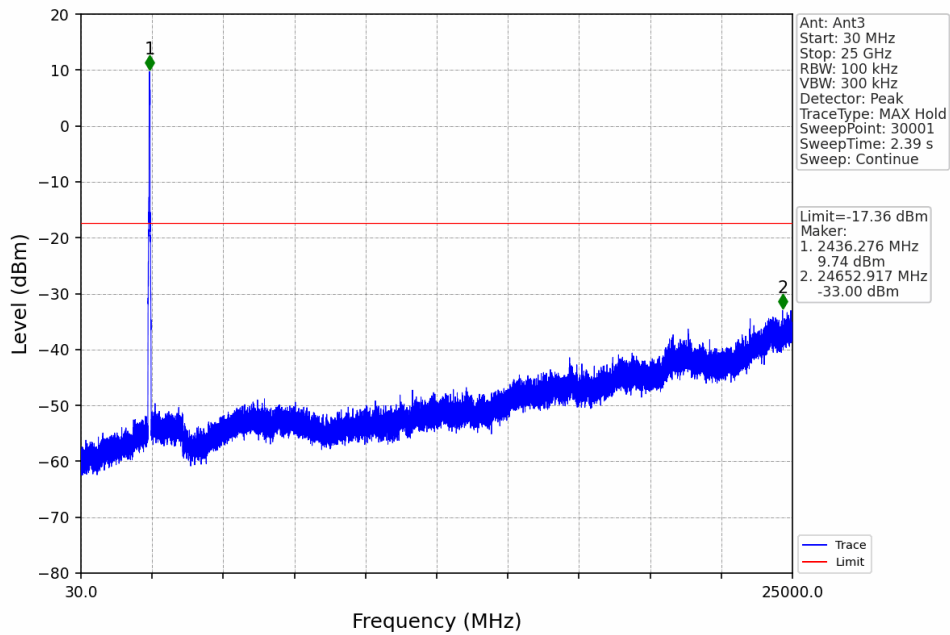
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40M_MCH_2437.5MHz_Ant2_NTNV



40M_MCH_2437.5MHz_Ant3_NTNV



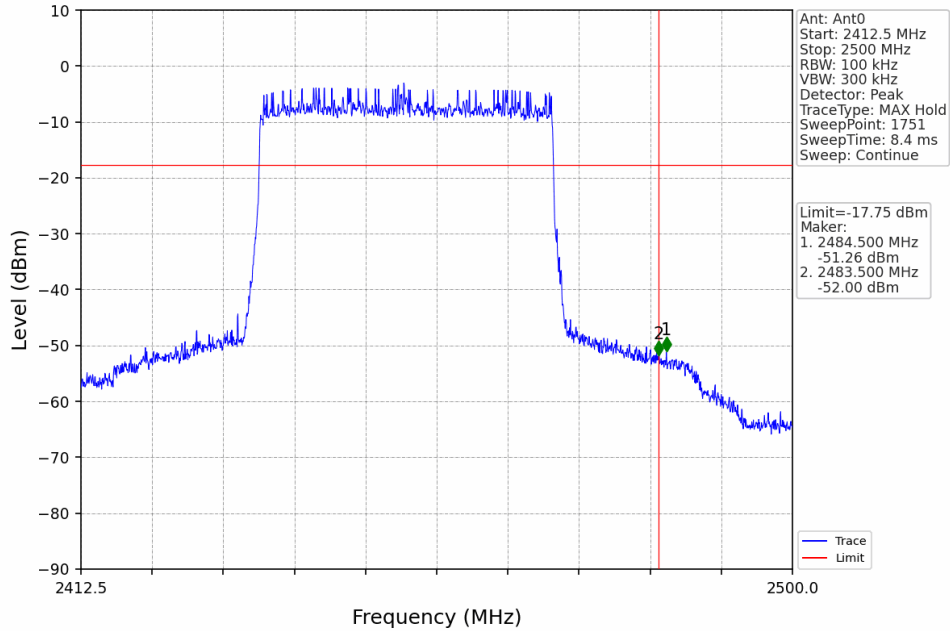
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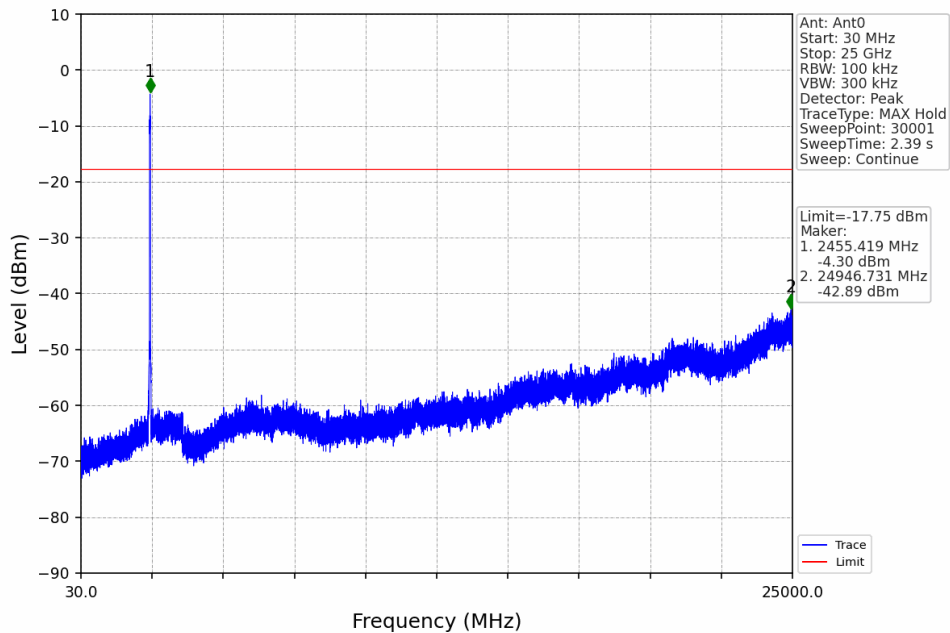
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40M_HCH_2452.5MHz_Ant0_NTNV



40M_HCH_2452.5MHz_Ant0_NTNV



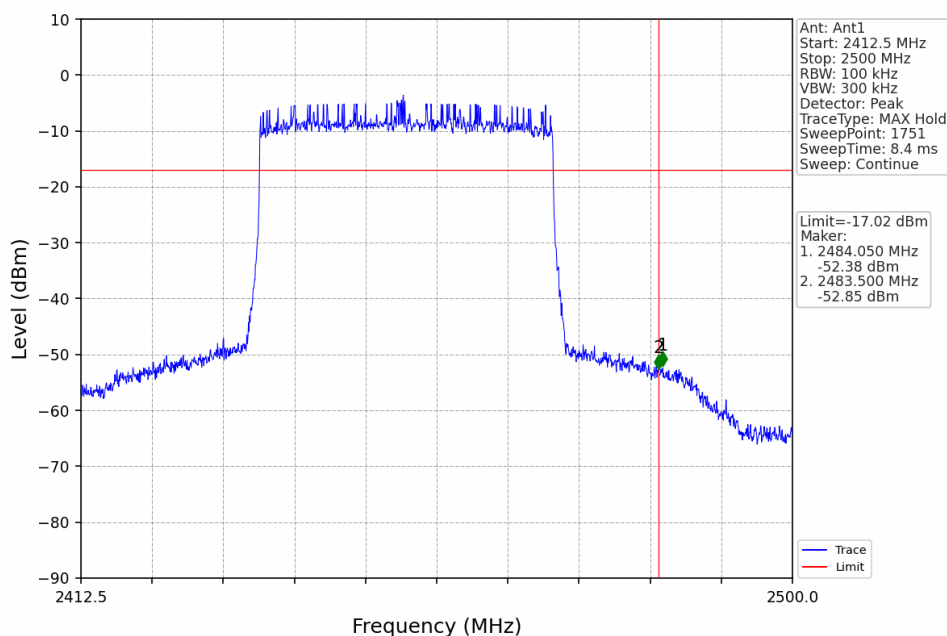
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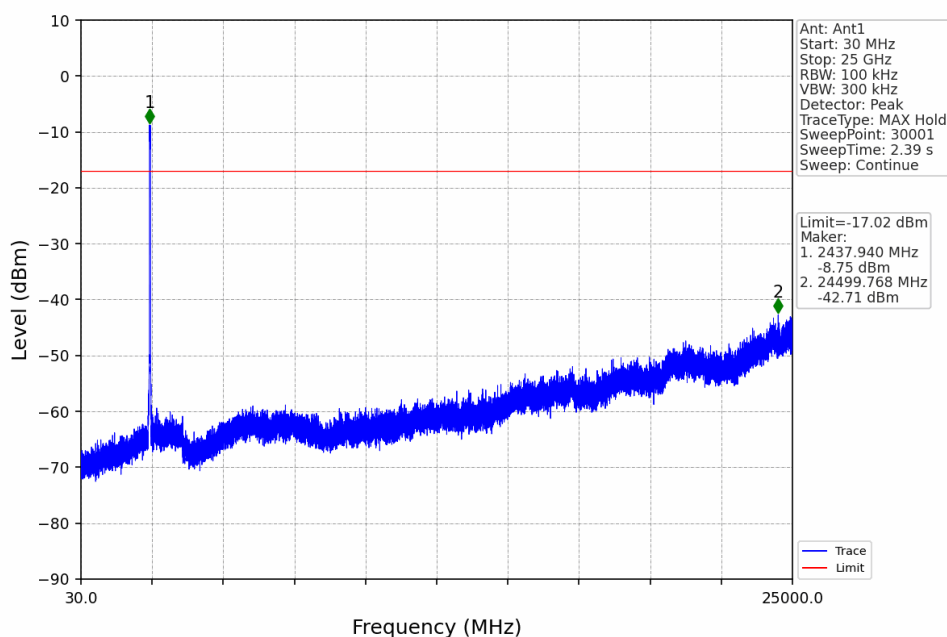
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40M_HCH_2452.5MHz_Ant1_NTNV



40M_HCH_2452.5MHz_Ant1_NTNV



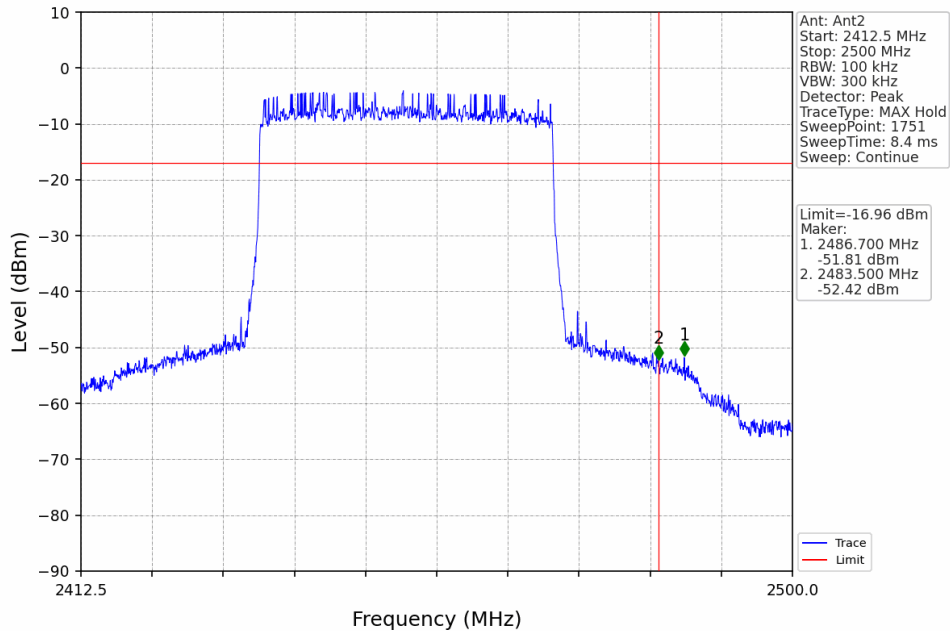
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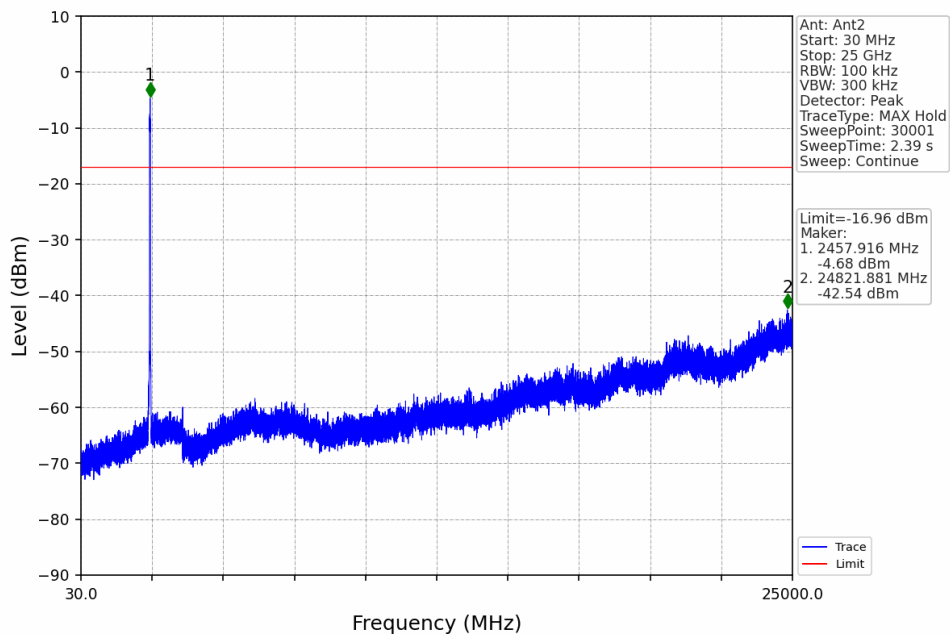
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40M_HCH_2452.5MHz_Ant2_NTNV



40M_HCH_2452.5MHz_Ant2_NTNV



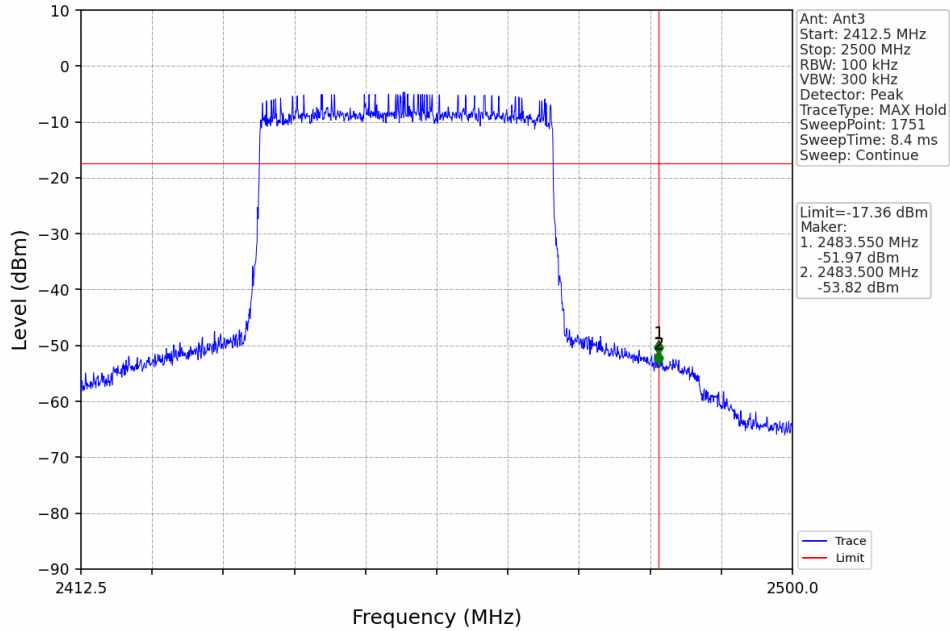
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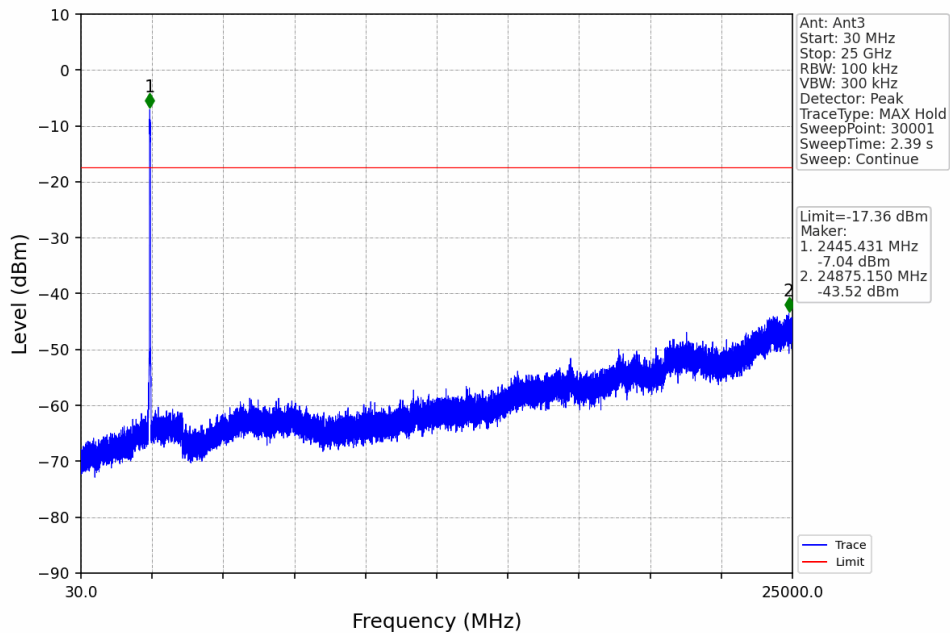
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40M_HCH_2452.5MHz_Ant3_NTNV



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

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MIMO Mode (EUT supports ANT0 combined ANT1, ANT0 combined ANT2, ANT2 combined ANT1, ANT2 combined ANT3, all combinations were pre-tested, ANT2 combined ANT3 was the worse-case, only the worse-case test data were recorded in this report)

1. Duty Cycle

1.1 Ant2

1.1.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	MIMO	2403.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2471.12	100.000	100.000	100.00	0.00	0.00
3M	MIMO	2405.5	100.000	100.000	100.00	0.00	0.00
		2435.5	100.000	100.000	100.00	0.00	0.00
		2471.2	100.000	100.000	100.00	0.00	0.00
10M	MIMO	2407.5	19.917	20.000	99.59	0.02	0.00
		2437.5	19.920	20.000	99.60	0.02	0.00
		2467.5	19.930	20.000	99.65	0.02	0.02
20M	MIMO	2412.5	19.914	20.000	99.57	0.02	0.00
		2437.5	19.914	20.000	99.57	0.02	0.00
		2462.5	19.914	20.000	99.57	0.02	0.00
40M	MIMO	2422.5	19.930	20.000	99.65	0.02	0.00
		2437.5	19.930	20.000	99.65	0.02	0.00
		2452.5	19.930	20.000	99.65	0.02	0.02



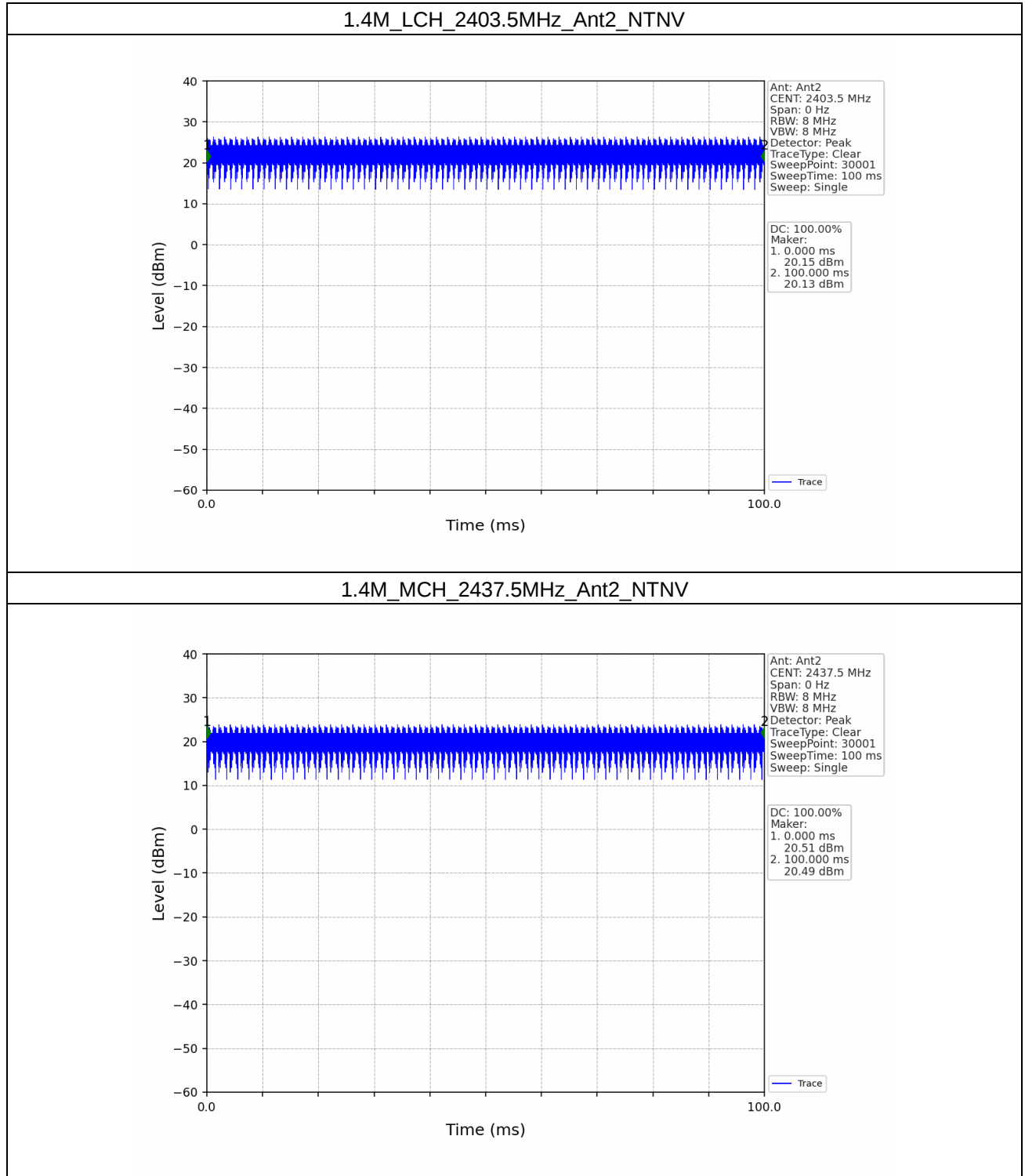
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1.1.2 Test Graph



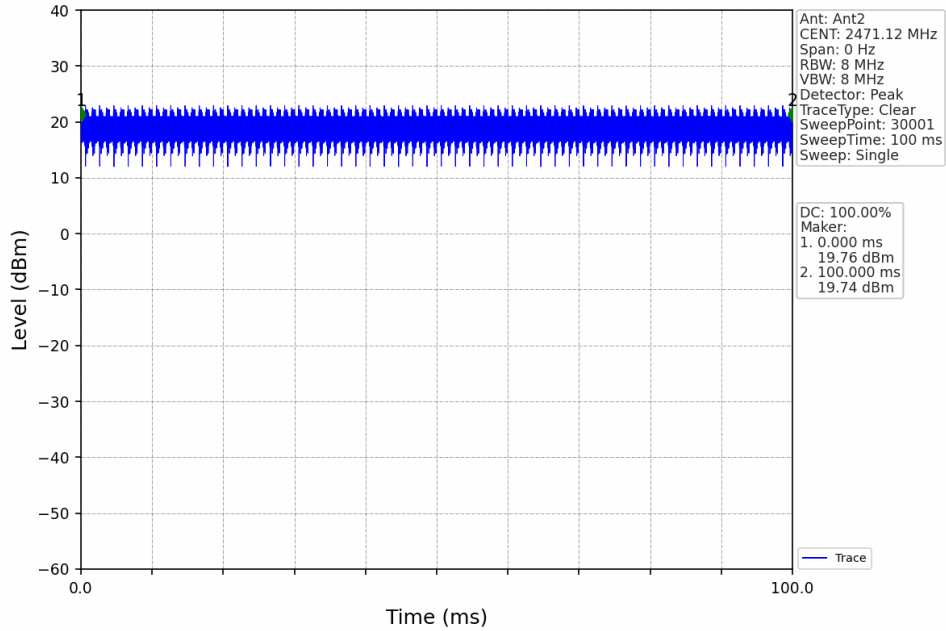
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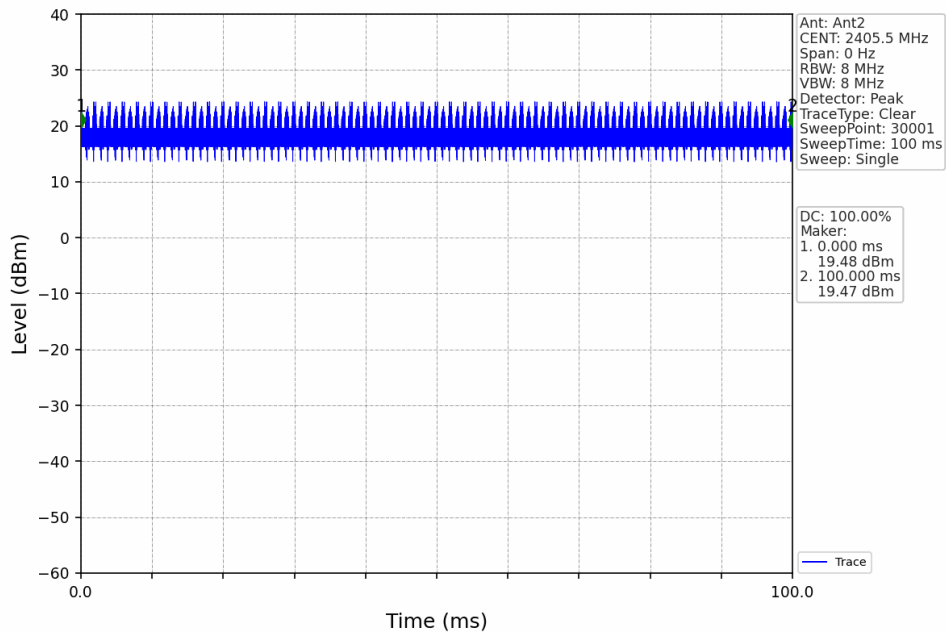
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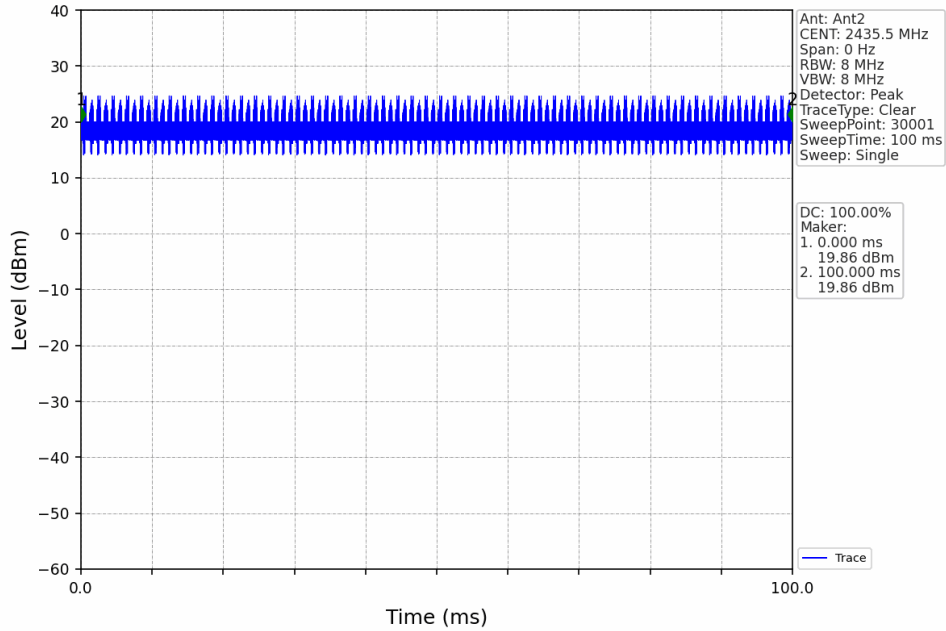
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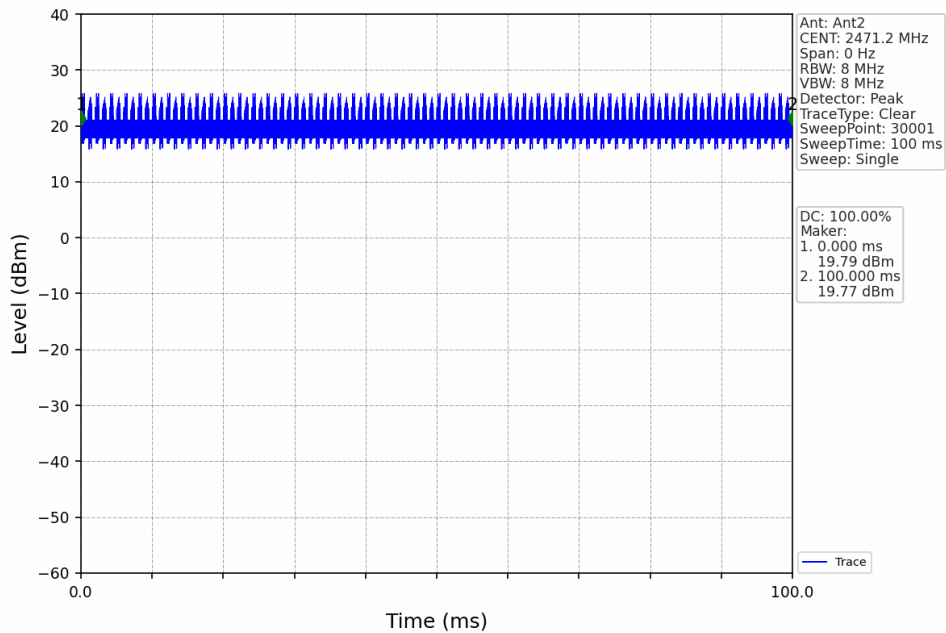
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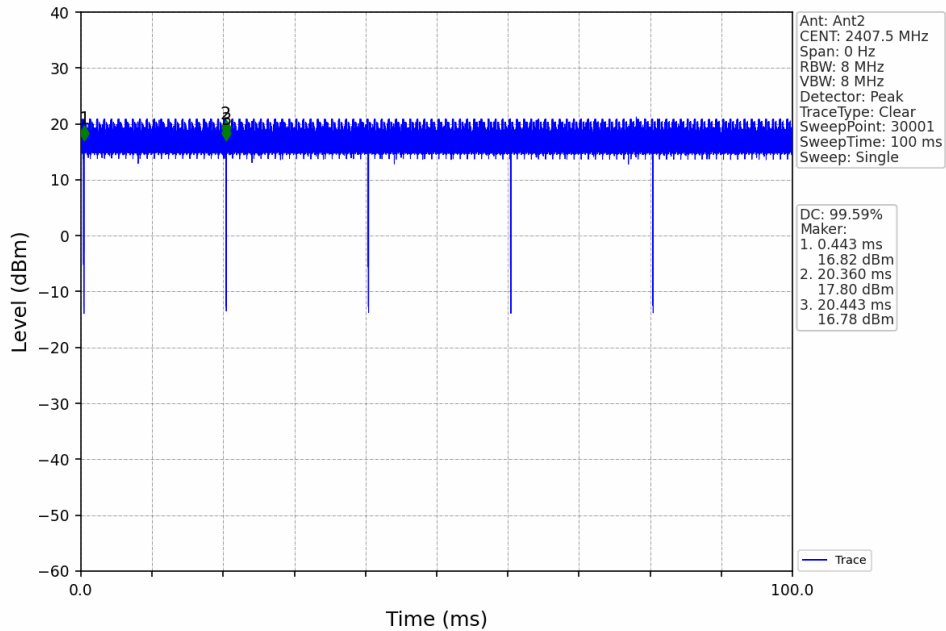
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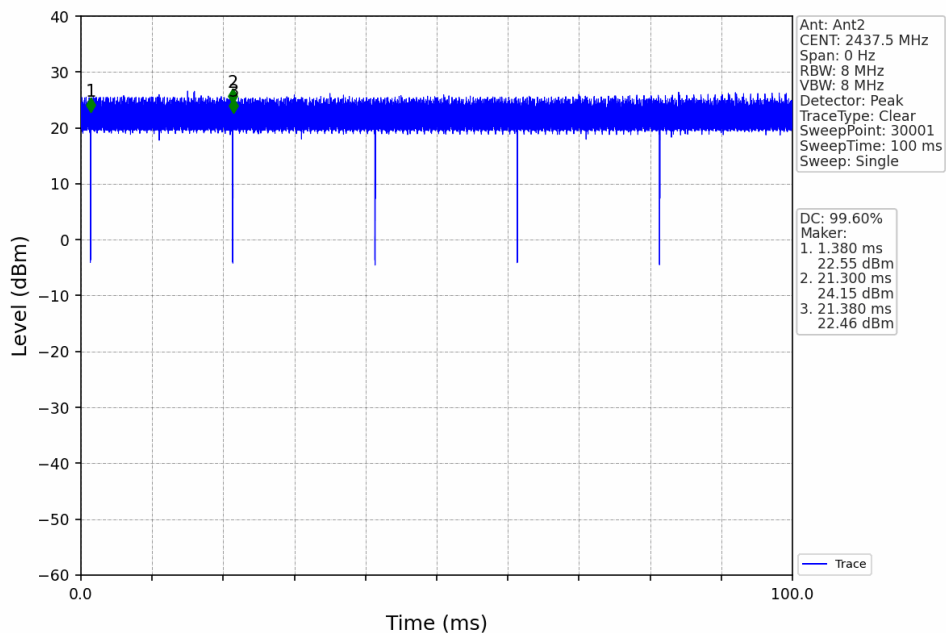
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10M_LCH_2407.5MHz_Ant2_NTNV



10M_MCH_2437.5MHz_Ant2_NTNV



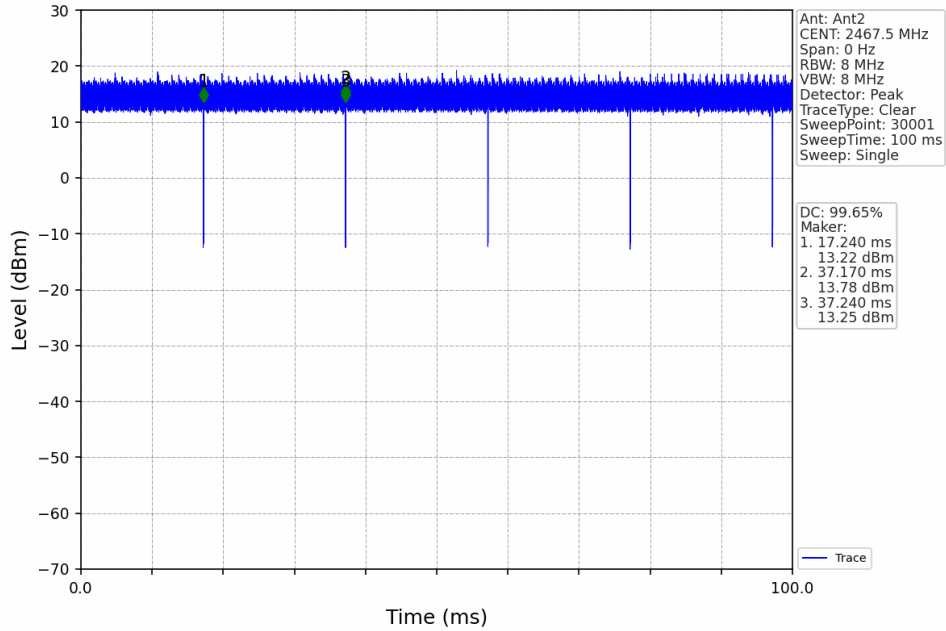
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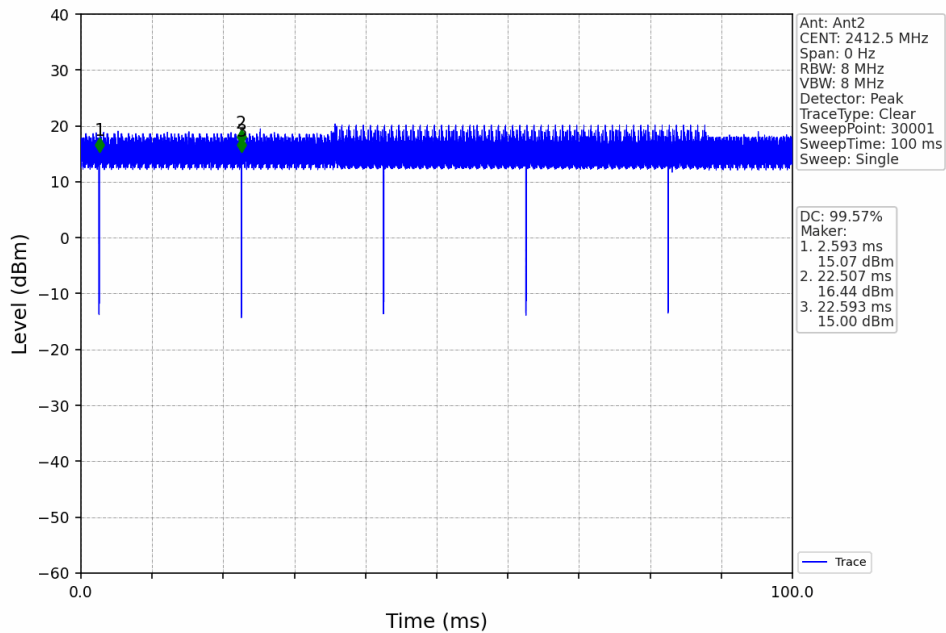
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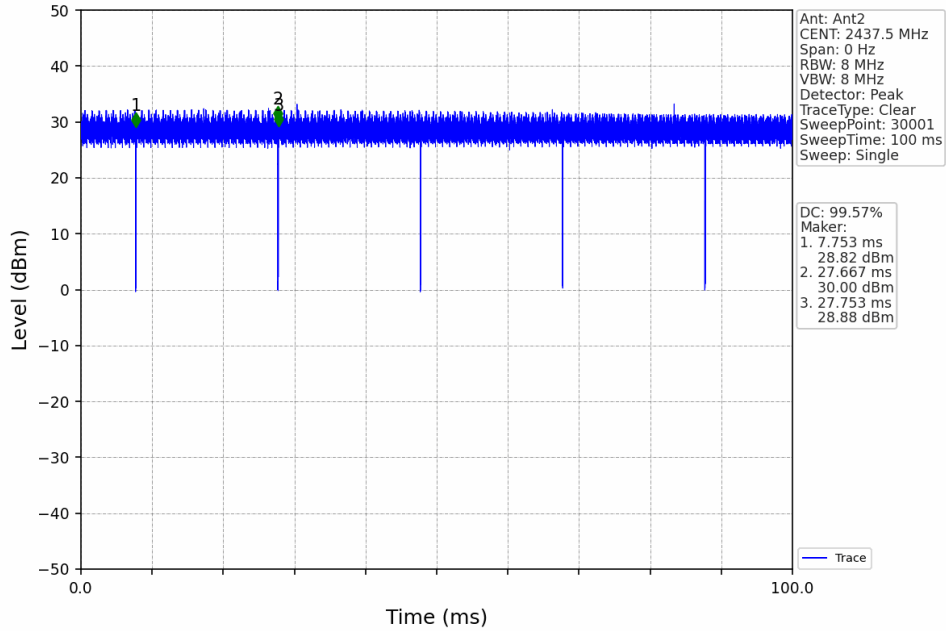
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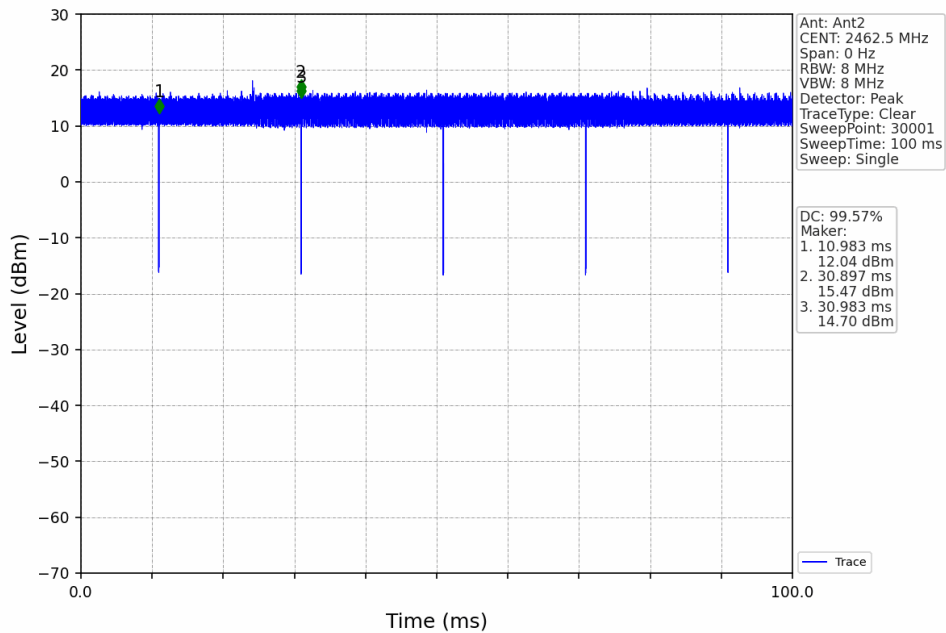
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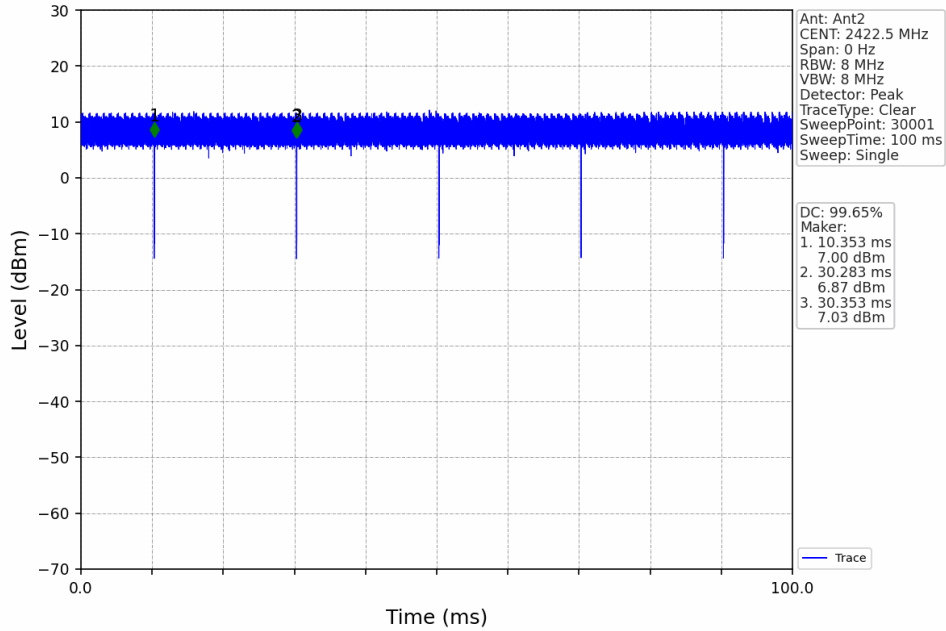
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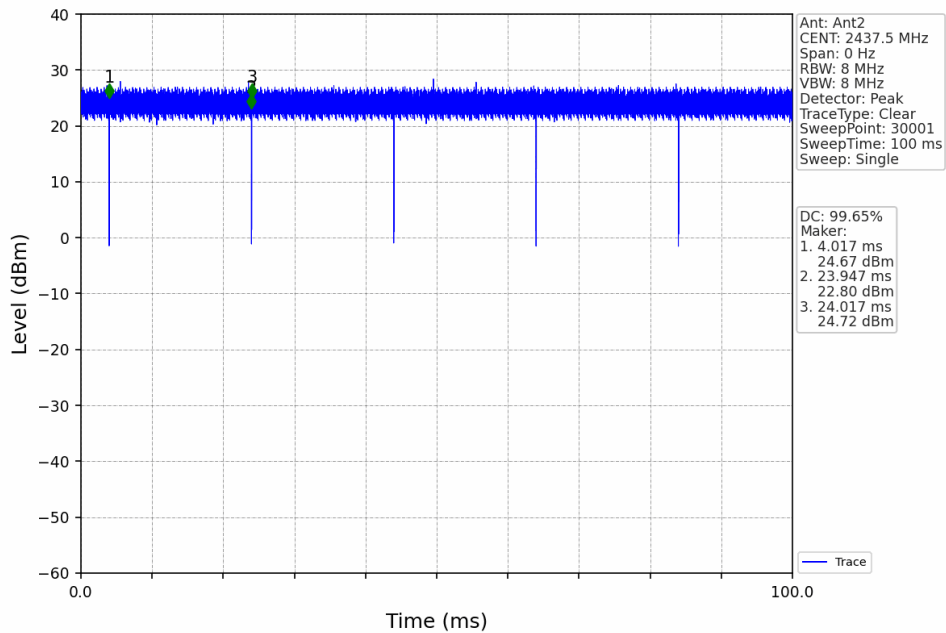
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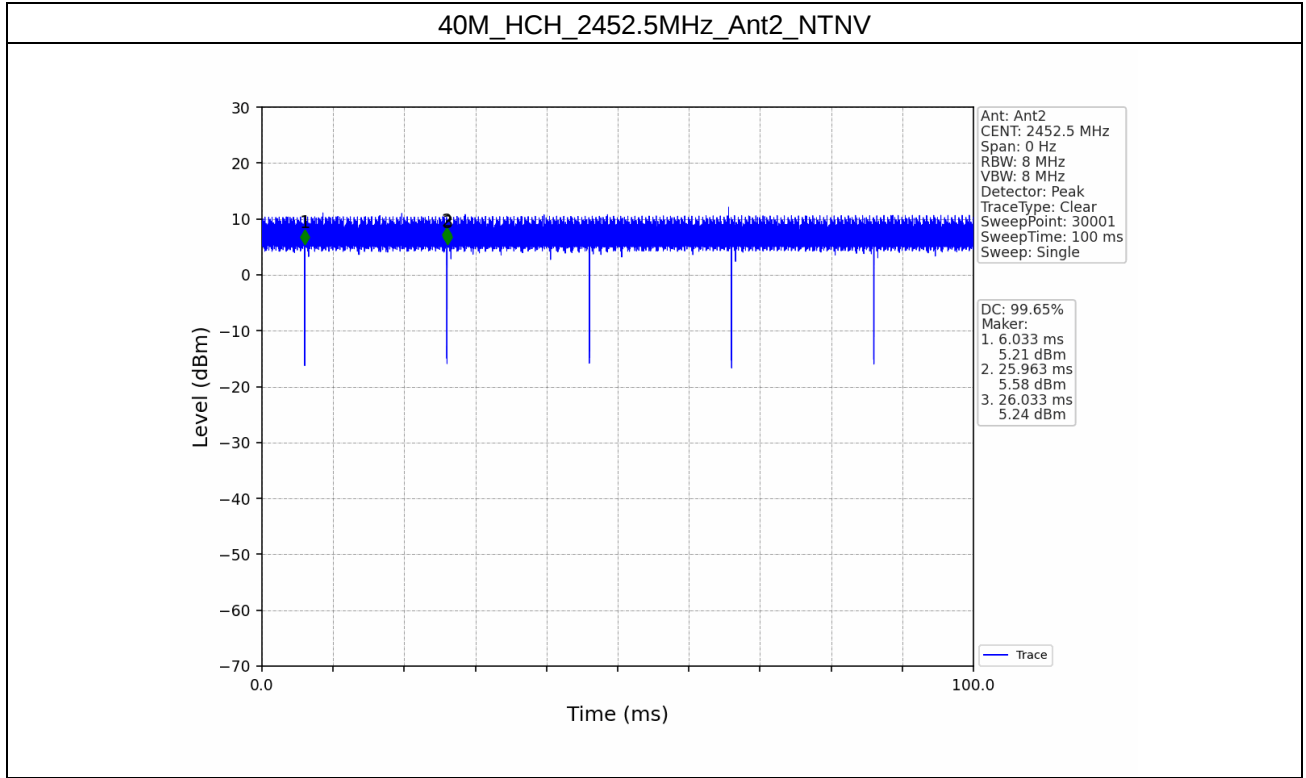


40M_LCH_2422.5MHz_Ant2_NTNV



40M_MCH_2437.5MHz_Ant2_NTNV





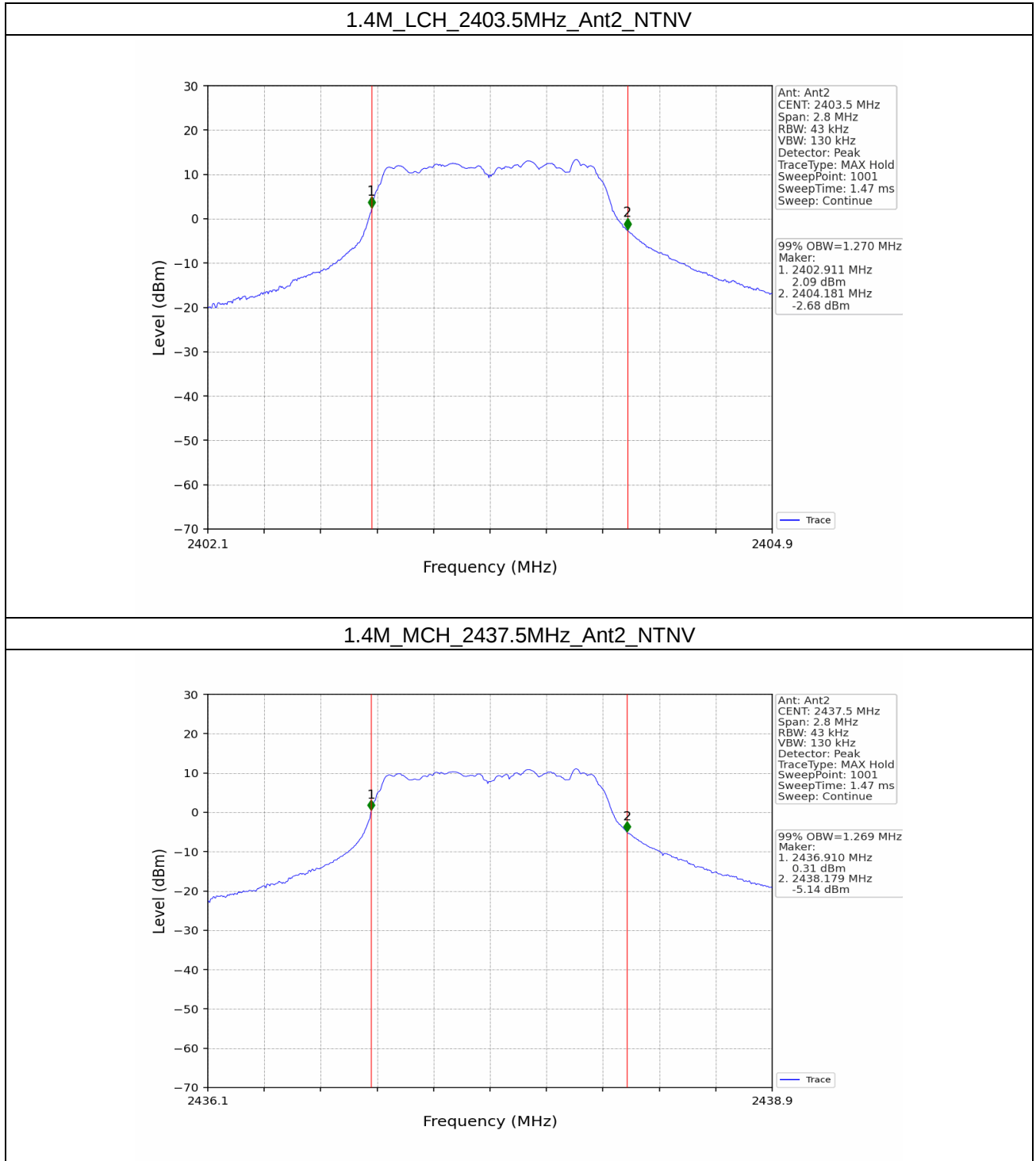
2. Bandwidth

2.1 OBW

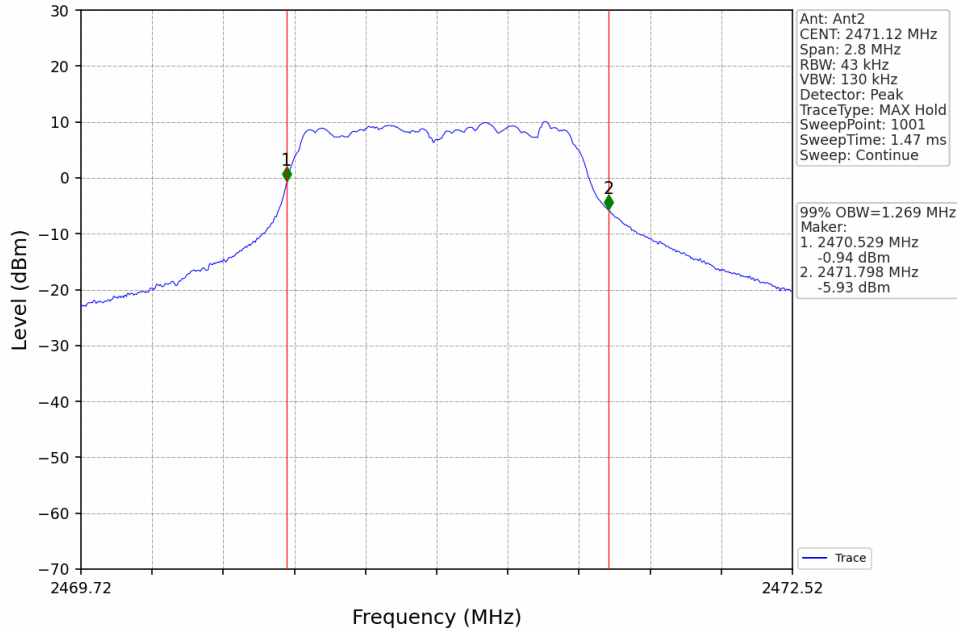
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1.4M	MIMO	2403.5	2	1.270	Pass
		2437.5	2	1.269	Pass
		2471.12	2	1.269	Pass
3M	MIMO	2405.5	2	2.346	Pass
		2435.5	2	2.345	Pass
		2471.2	2	2.341	Pass
10M	MIMO	2407.5	2	9.015	Pass
		2437.5	2	9.019	Pass
		2467.5	2	9.007	Pass
20M	MIMO	2412.5	2	17.854	Pass
		2437.5	2	17.922	Pass
		2462.5	2	17.834	Pass
40M	MIMO	2422.5	2	35.955	Pass
		2437.5	2	36.432	Pass
		2452.5	2	36.062	Pass

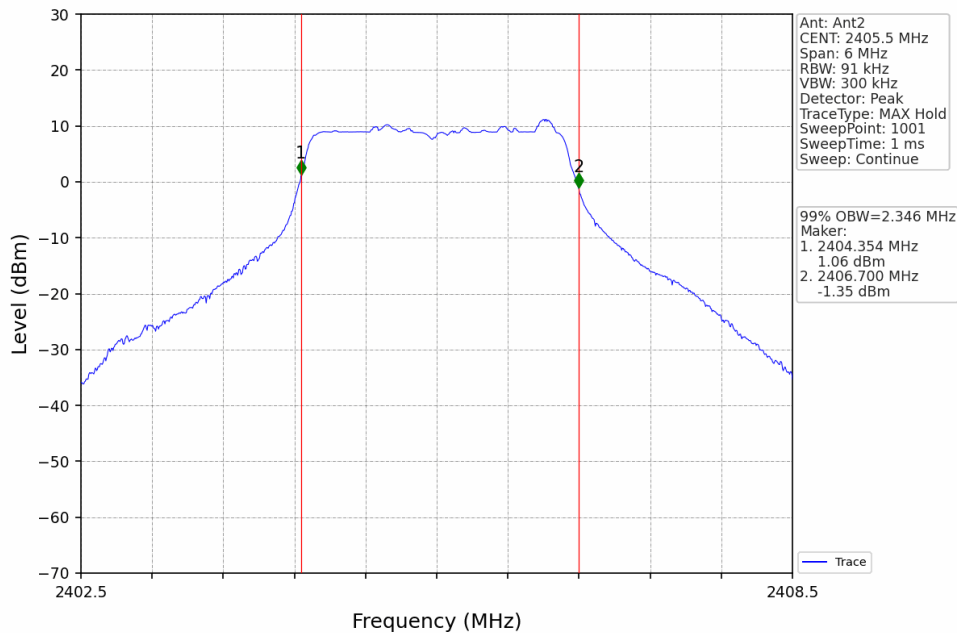
2.1.2 Test Graph



1.4M_HCH_2471.12MHz_Ant2_NTNV



3M_LCH_2405.5MHz_Ant2_NTNV



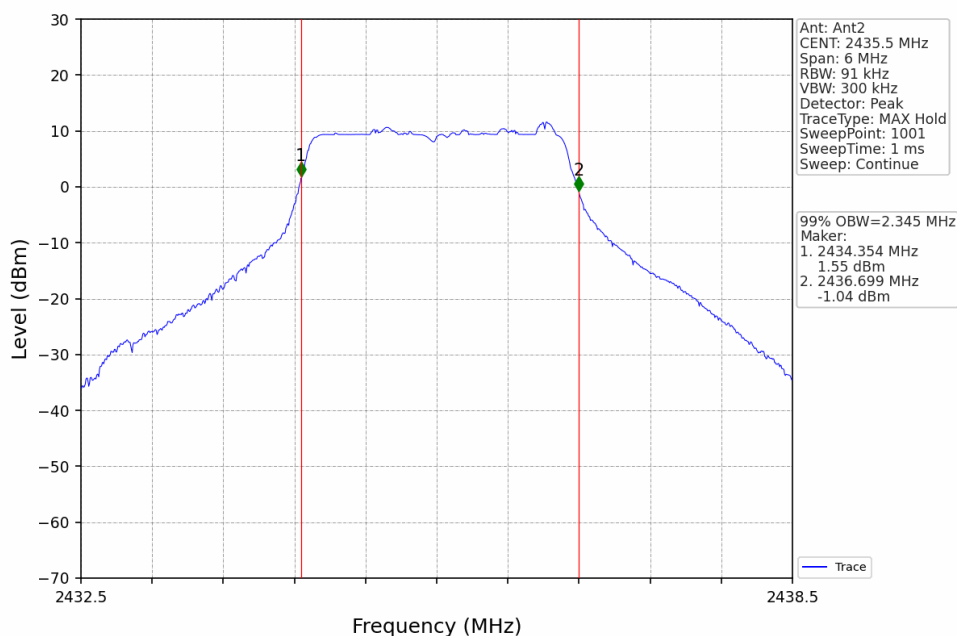
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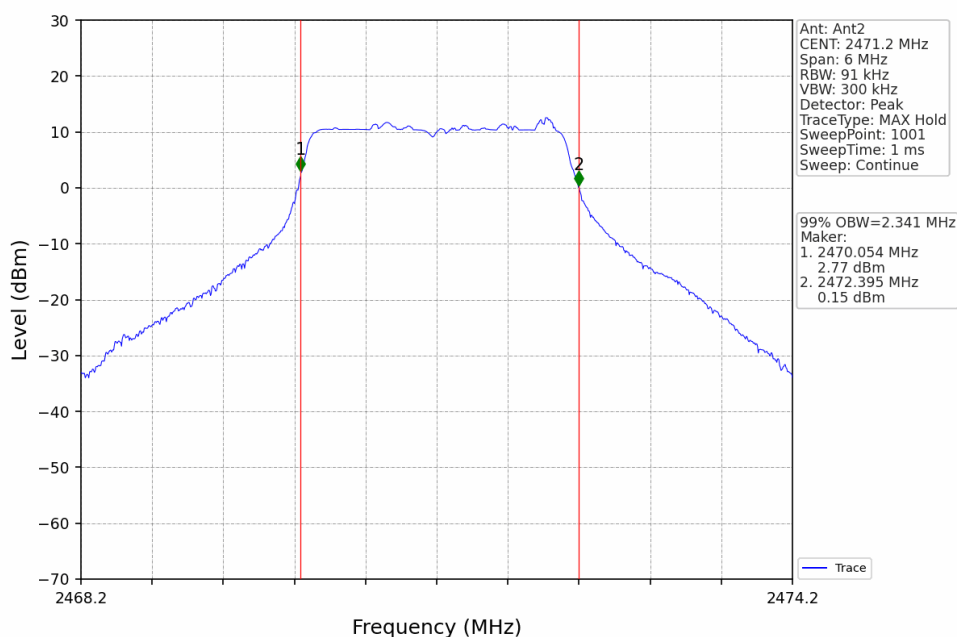
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3M_MCH_2435.5MHz_Ant2_NTNV



3M_HCH_2471.2MHz_Ant2_NTNV



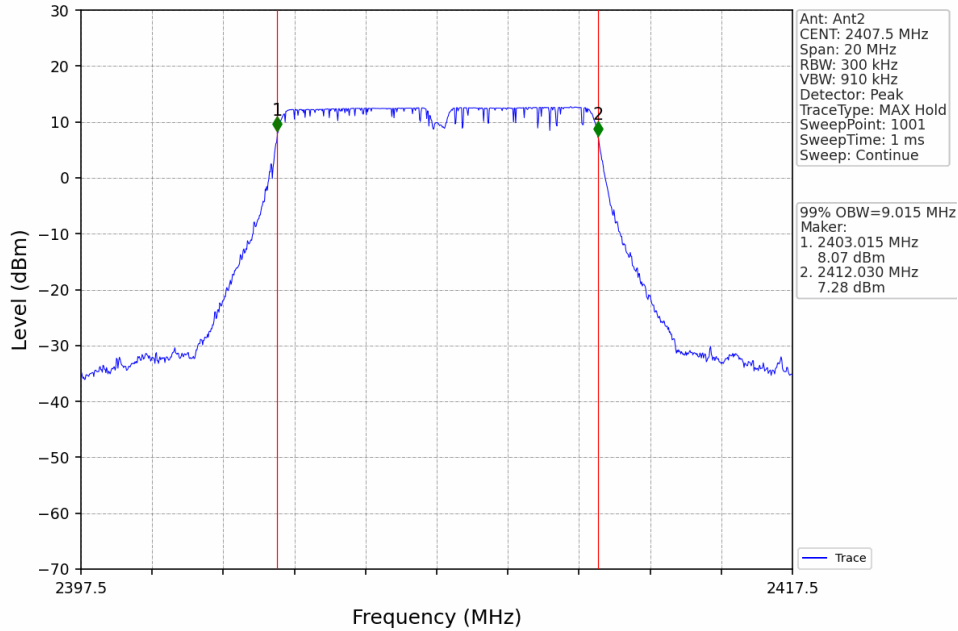
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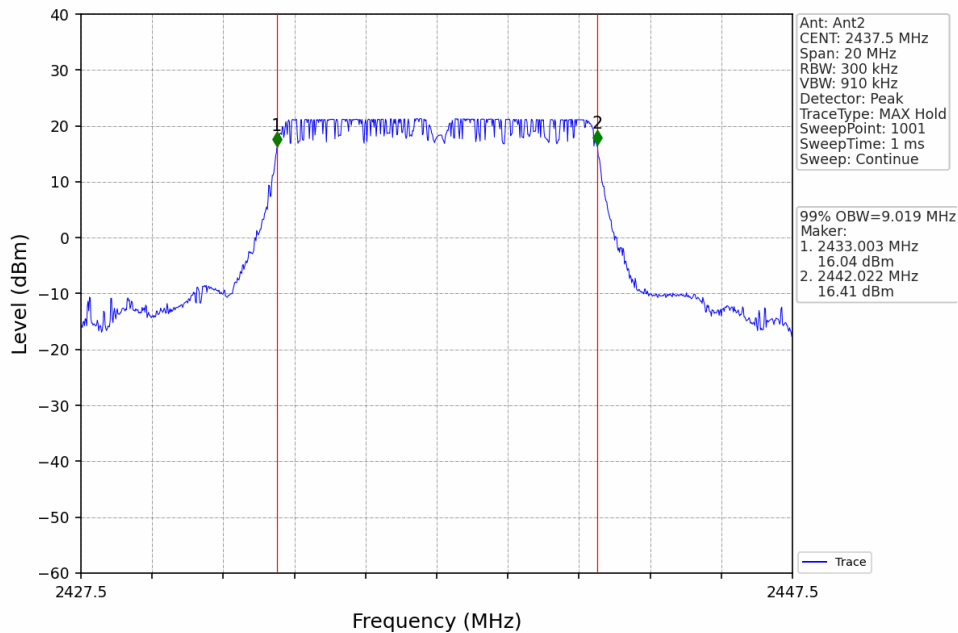
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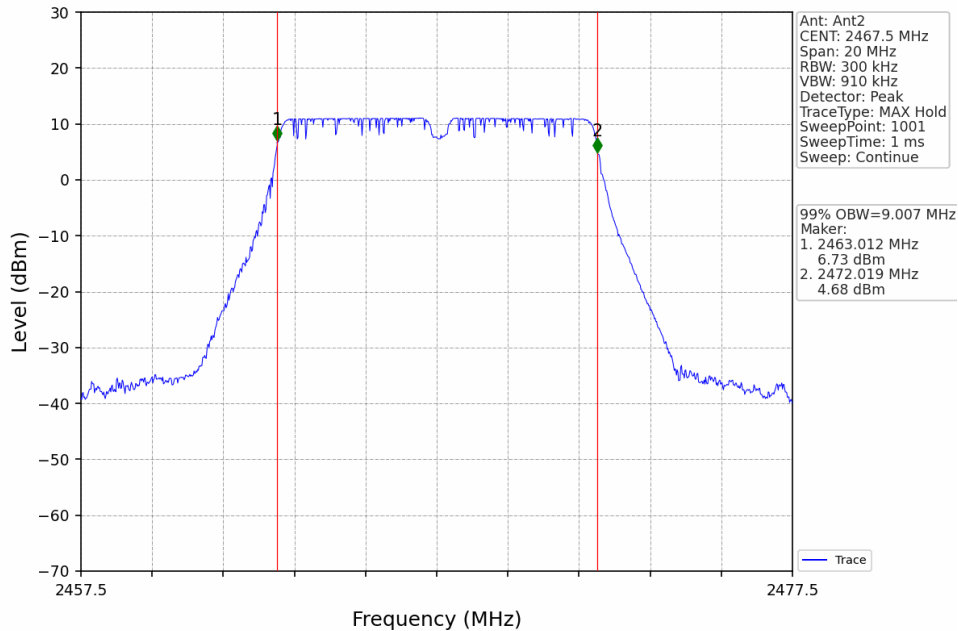
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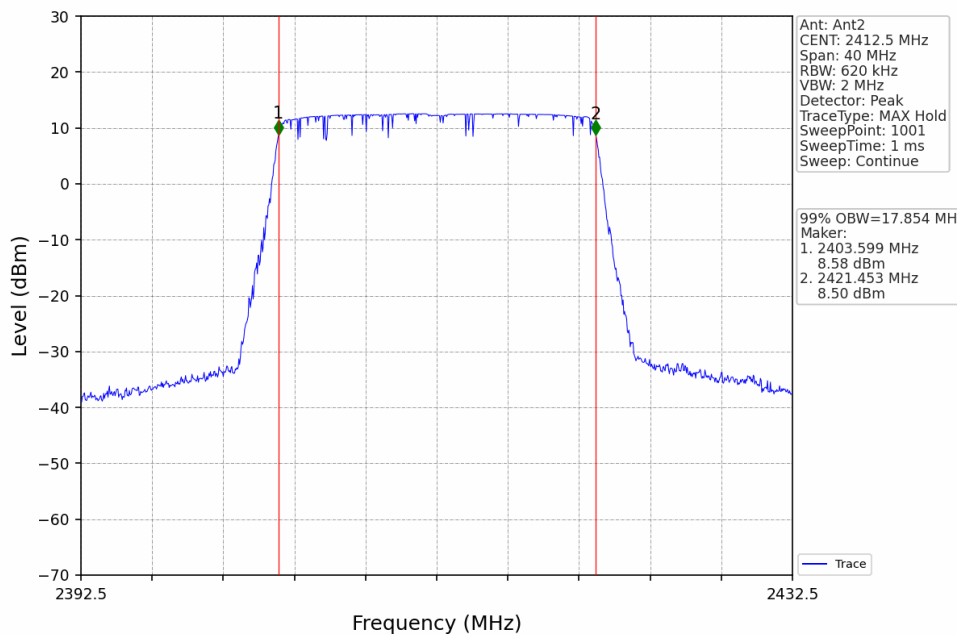
10M_MCH_2437.5MHz_Ant2_NTNV



10M_HCH_2467.5MHz_Ant2_NTNV



20M_LCH_2412.5MHz_Ant2_NTNV



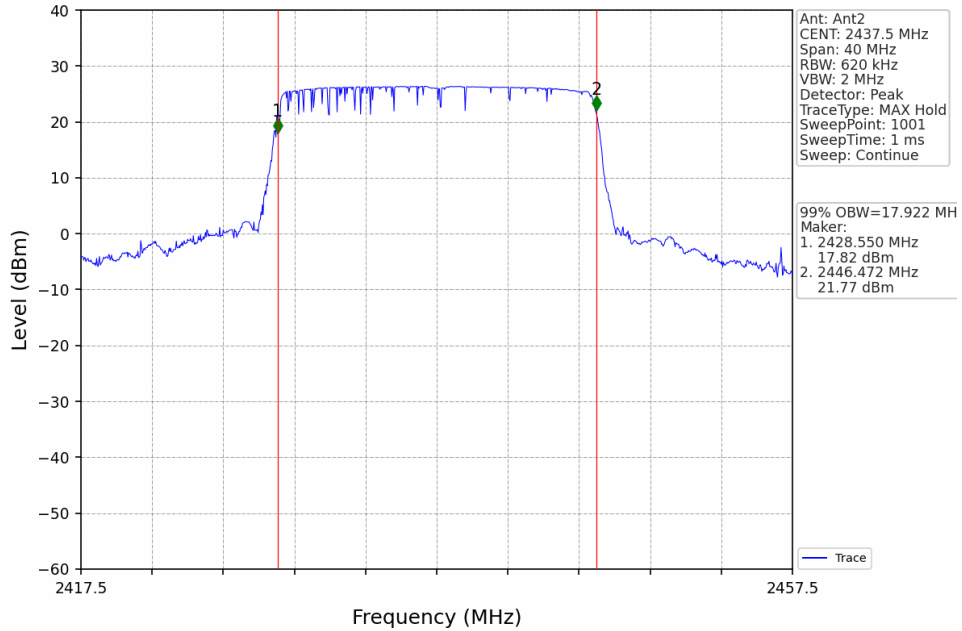
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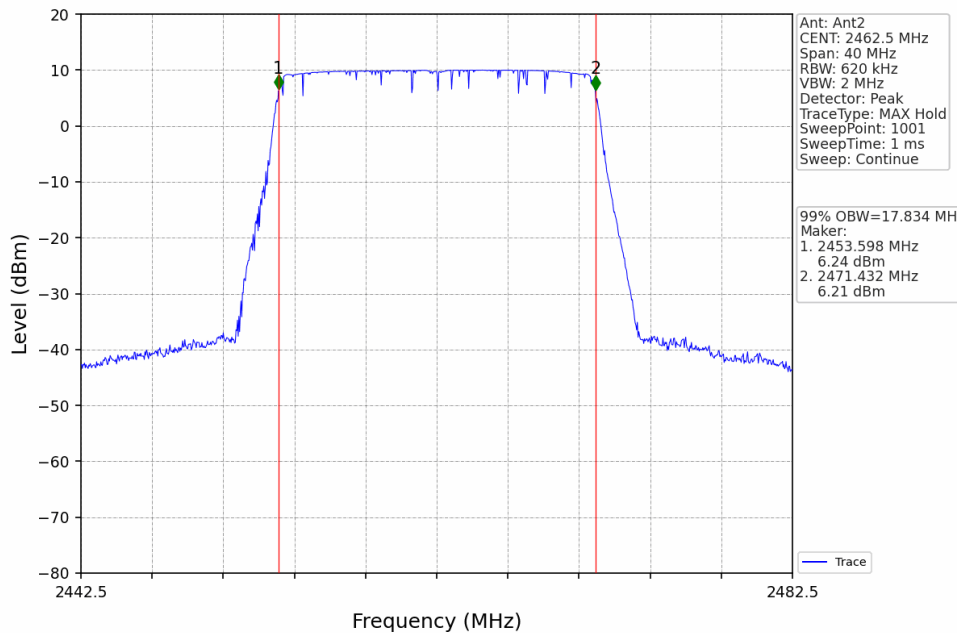
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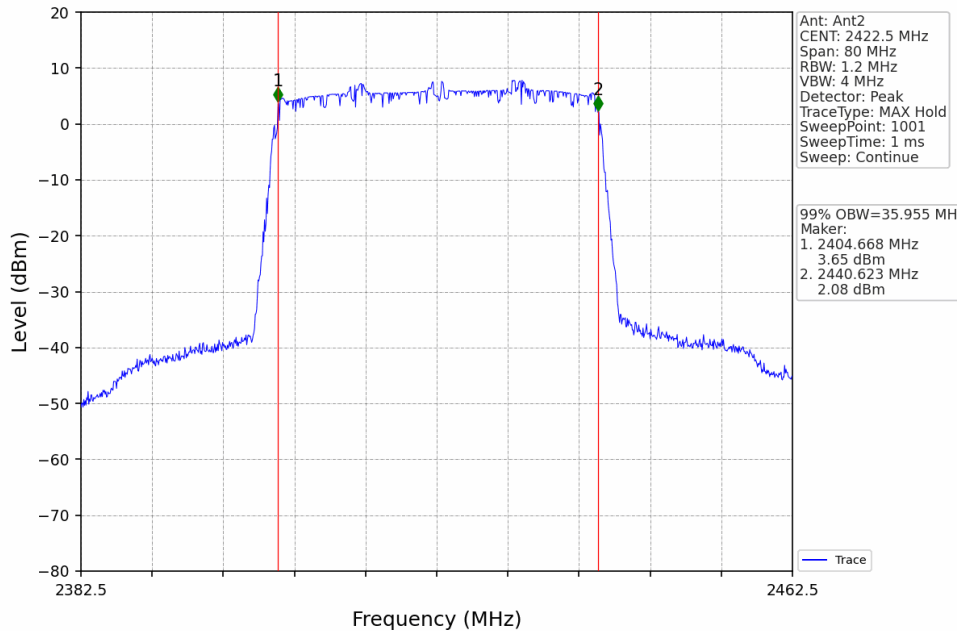
20M_MCH_2437.5MHz_Ant2_NTNV



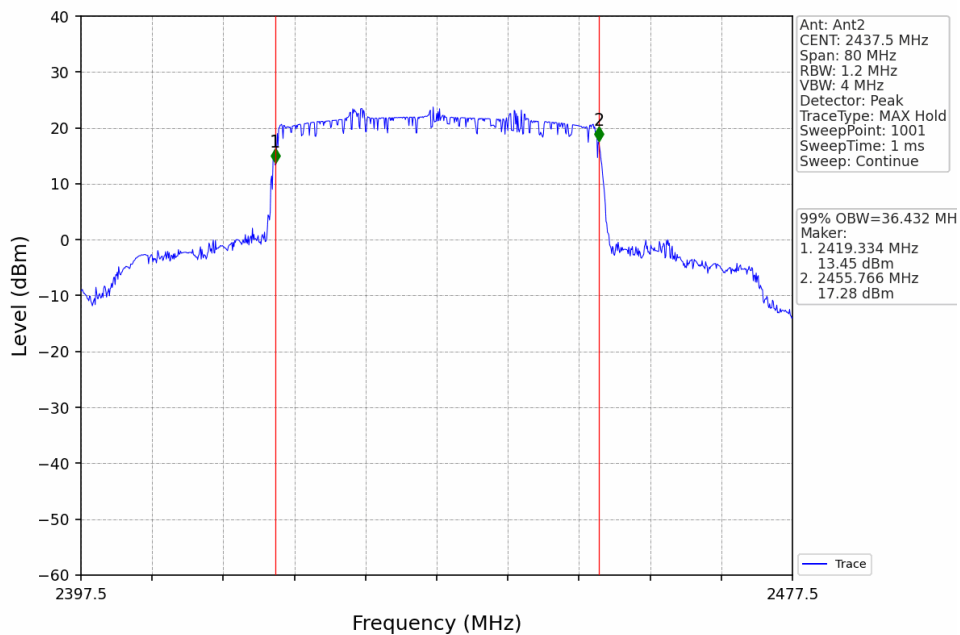
20M_HCH_2462.5MHz_Ant2_NTNV



40M_LCH_2422.5MHz_Ant2_NTNV



40M_MCH_2437.5MHz_Ant2_NTNV

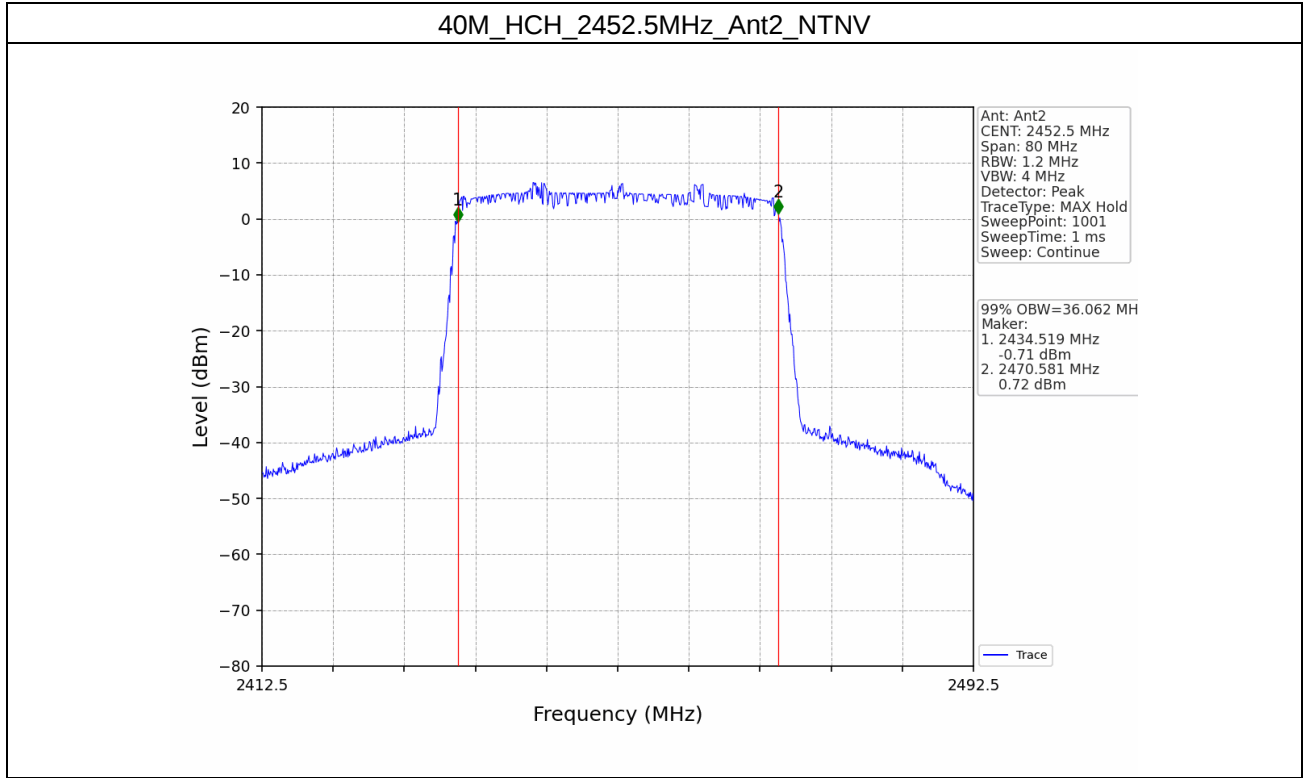


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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400122502

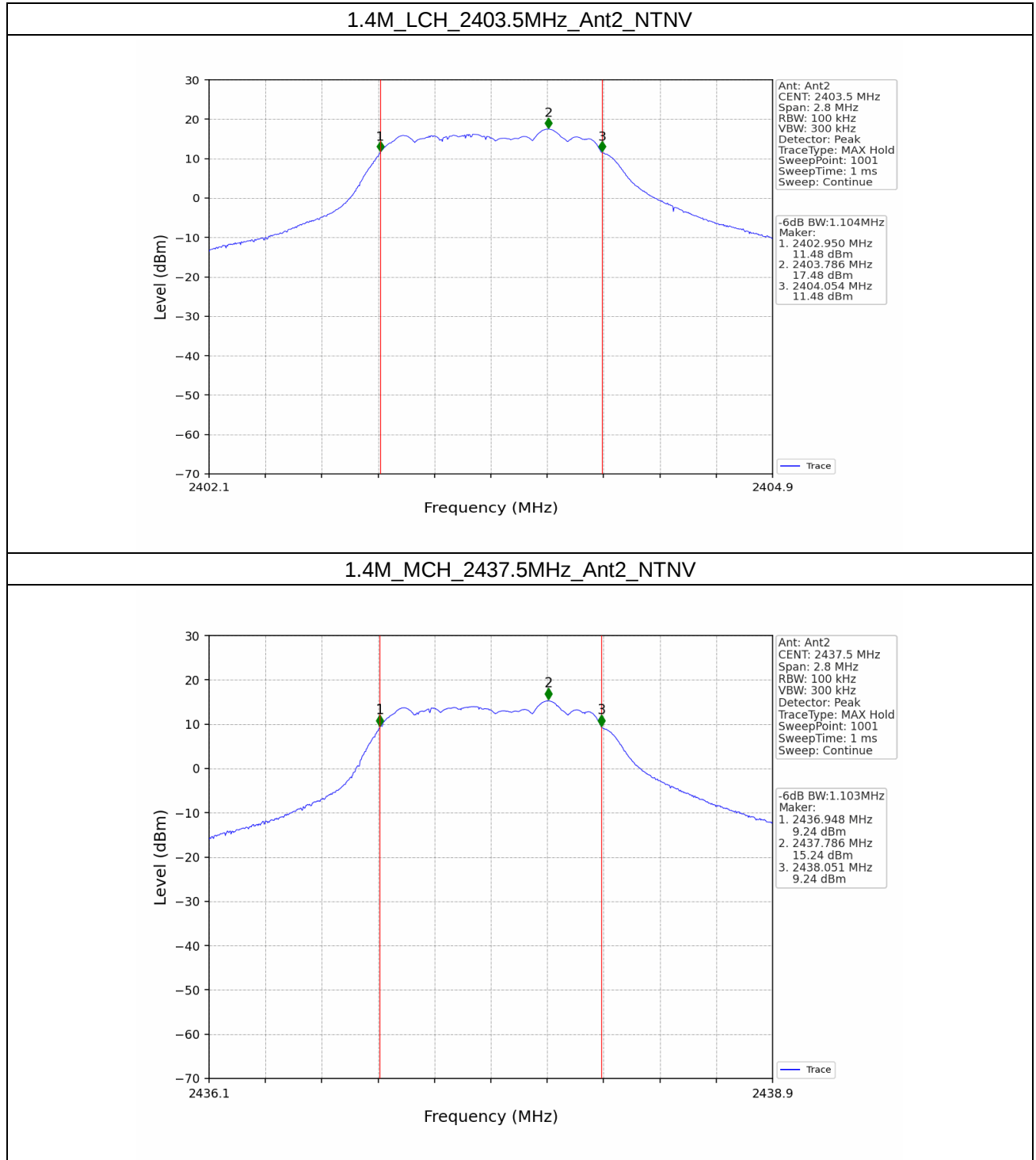
Page: 295 of 370

2.2 6dB BW

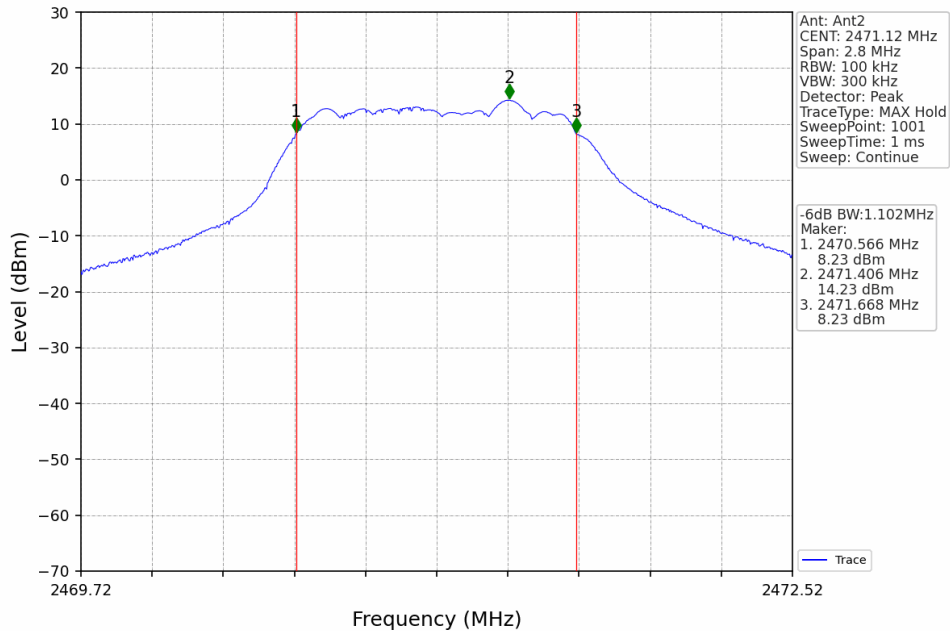
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	2403.5	2	1.104	≥ 0.5	Pass
		2437.5	2	1.103	≥ 0.5	Pass
		2471.12	2	1.102	≥ 0.5	Pass
3M	MIMO	2405.5	2	2.204	≥ 0.5	Pass
		2435.5	2	2.203	≥ 0.5	Pass
		2471.2	2	2.206	≥ 0.5	Pass
10M	MIMO	2407.5	2	9.021	≥ 0.5	Pass
		2437.5	2	9.044	≥ 0.5	Pass
		2467.5	2	9.042	≥ 0.5	Pass
20M	MIMO	2412.5	2	18.038	≥ 0.5	Pass
		2437.5	2	17.990	≥ 0.5	Pass
		2462.5	2	18.022	≥ 0.5	Pass
40M	MIMO	2422.5	2	35.980	≥ 0.5	Pass
		2437.5	2	35.896	≥ 0.5	Pass
		2452.5	2	36.005	≥ 0.5	Pass

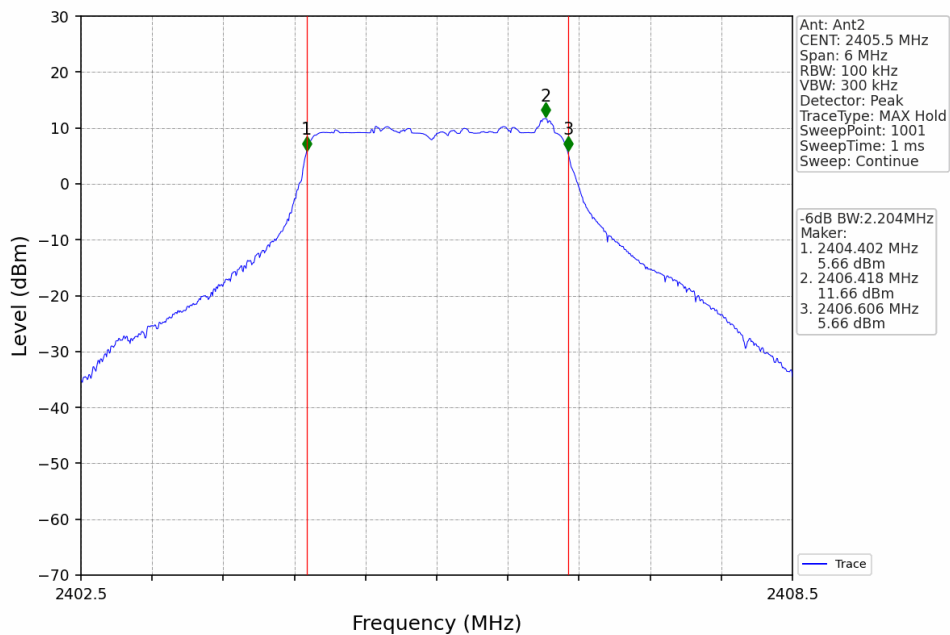
2.2.2 Test Graph



1.4M_HCH_2471.12MHz_Ant2_NTNV



3M_LCH_2405.5MHz_Ant2_NTNV



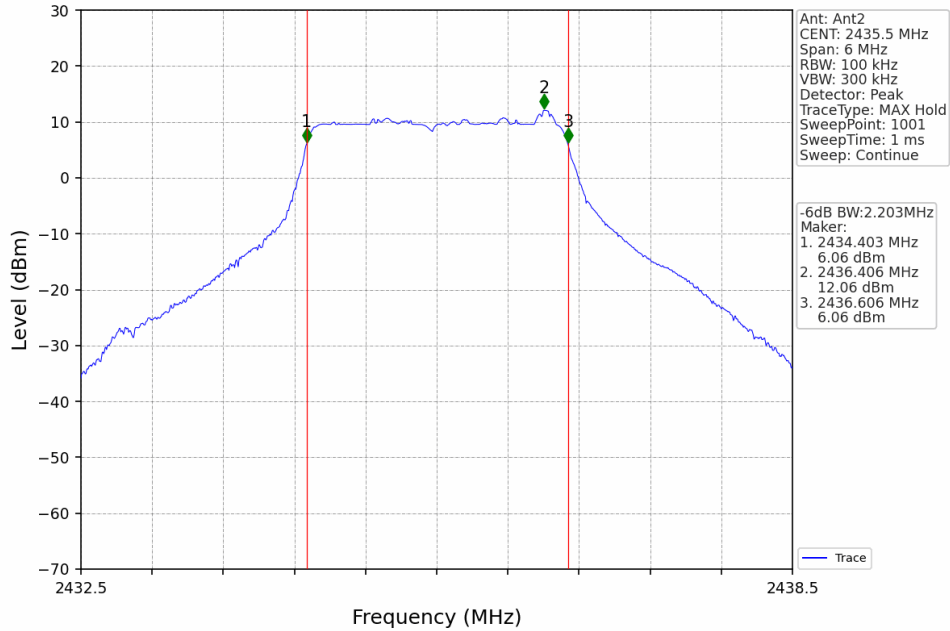
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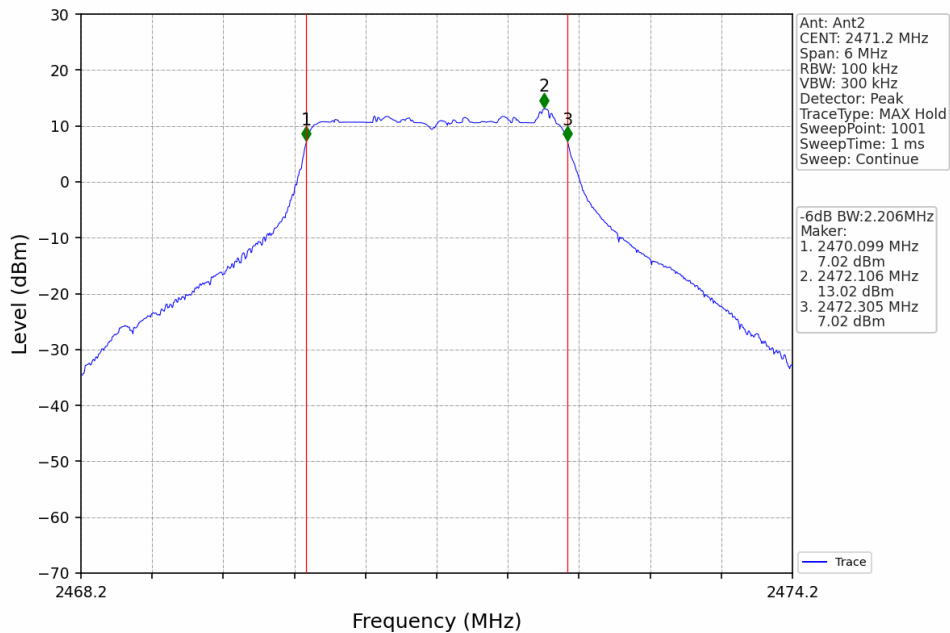
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3M_MCH_2435.5MHz_Ant2_NTNV



3M_HCH_2471.2MHz_Ant2_NTNV



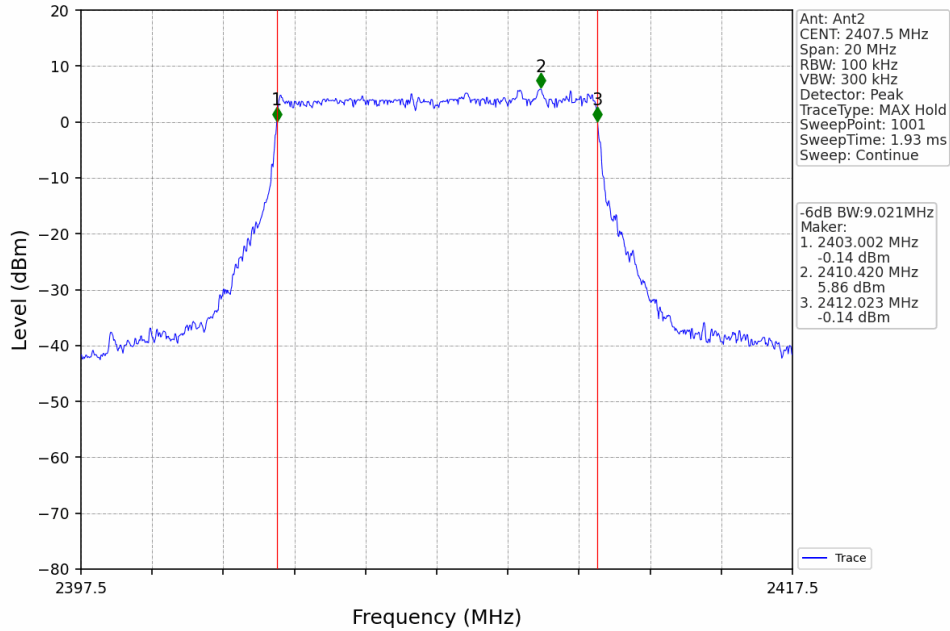
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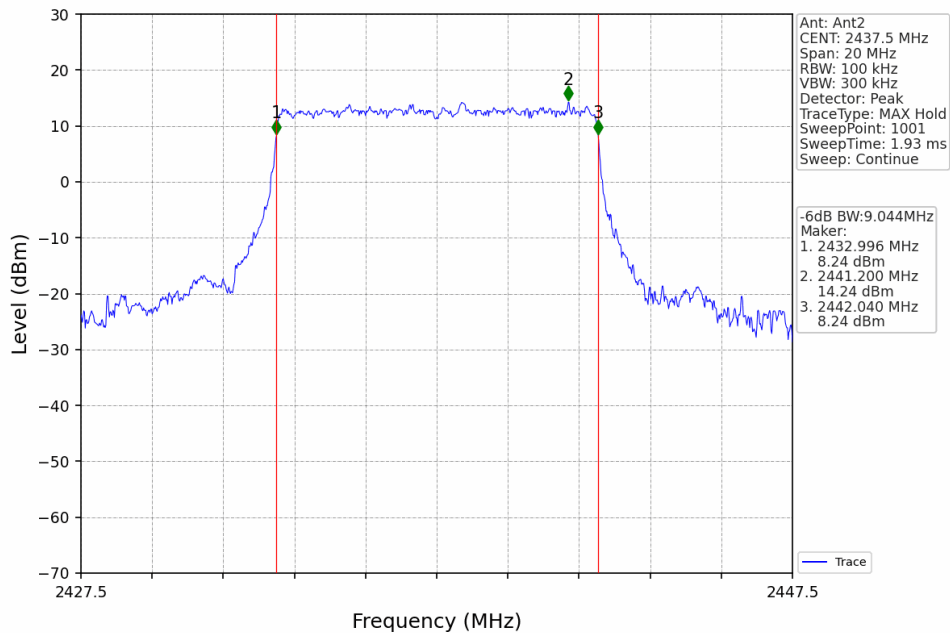
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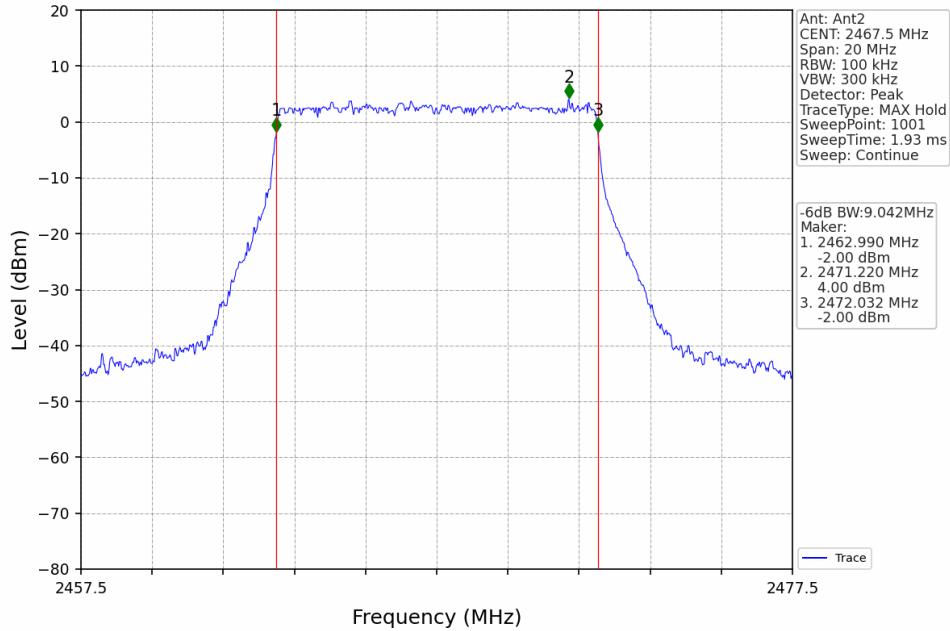
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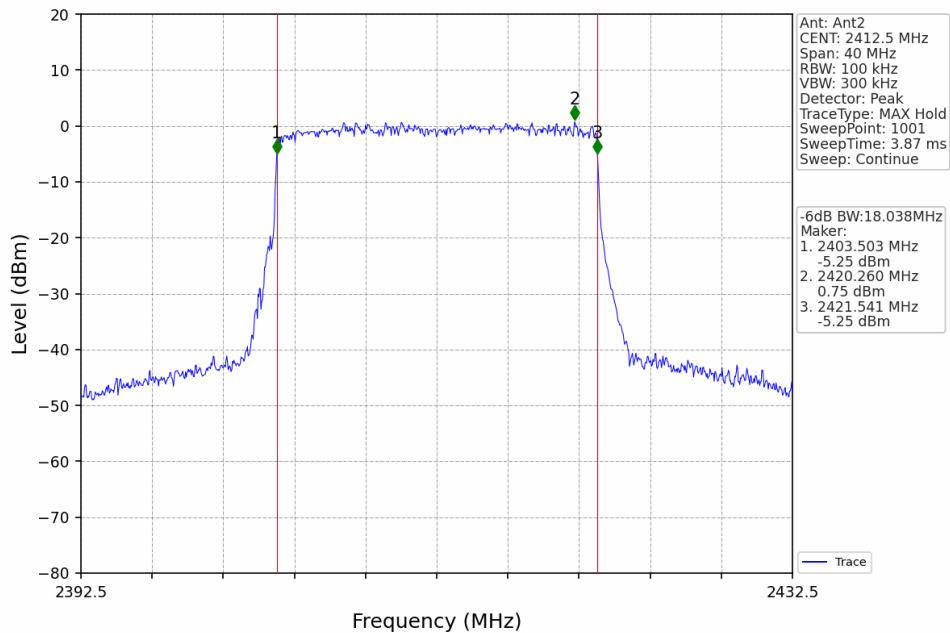
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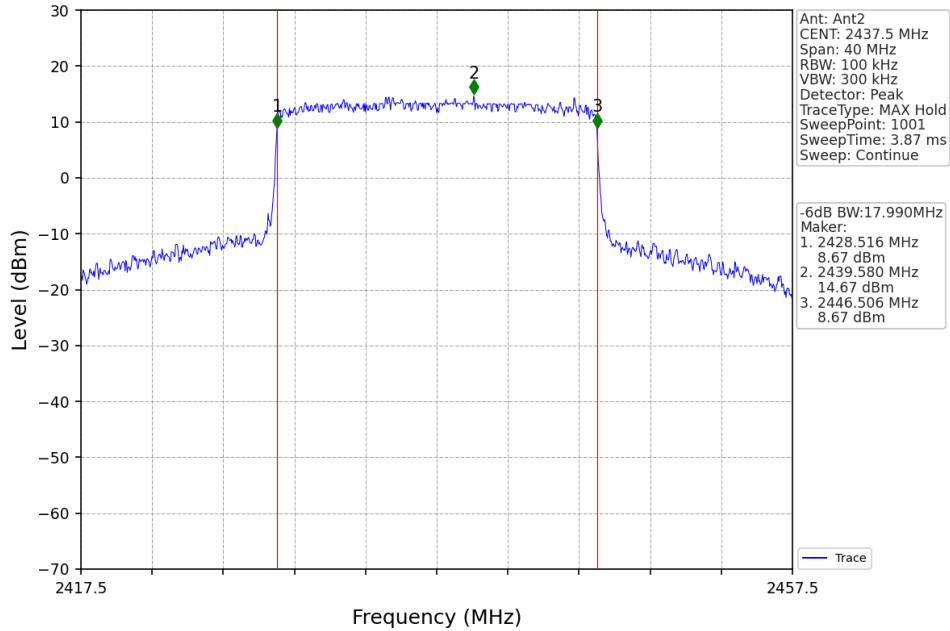
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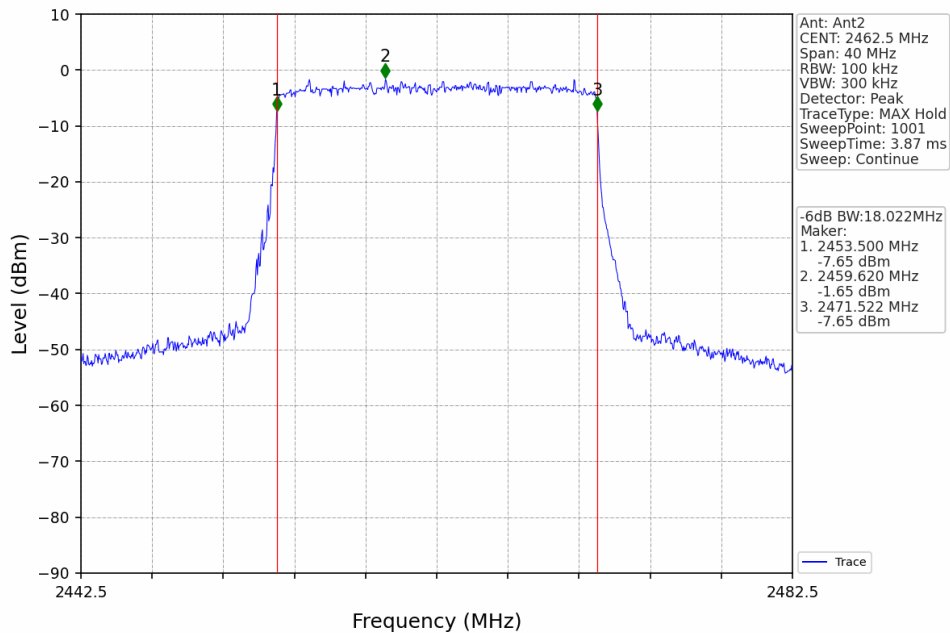
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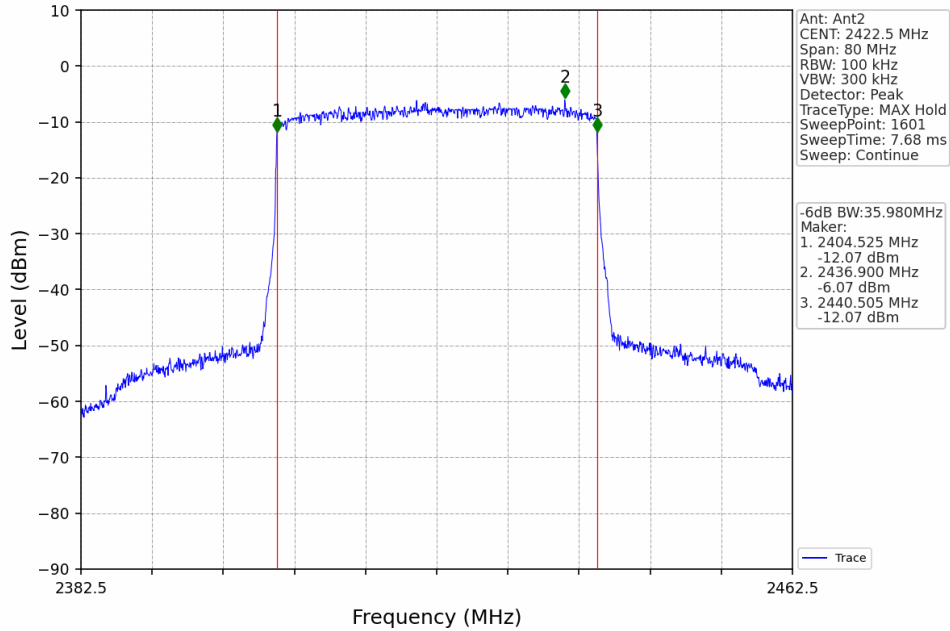
20M_MCH_2437.5MHz_Ant2_NTNV



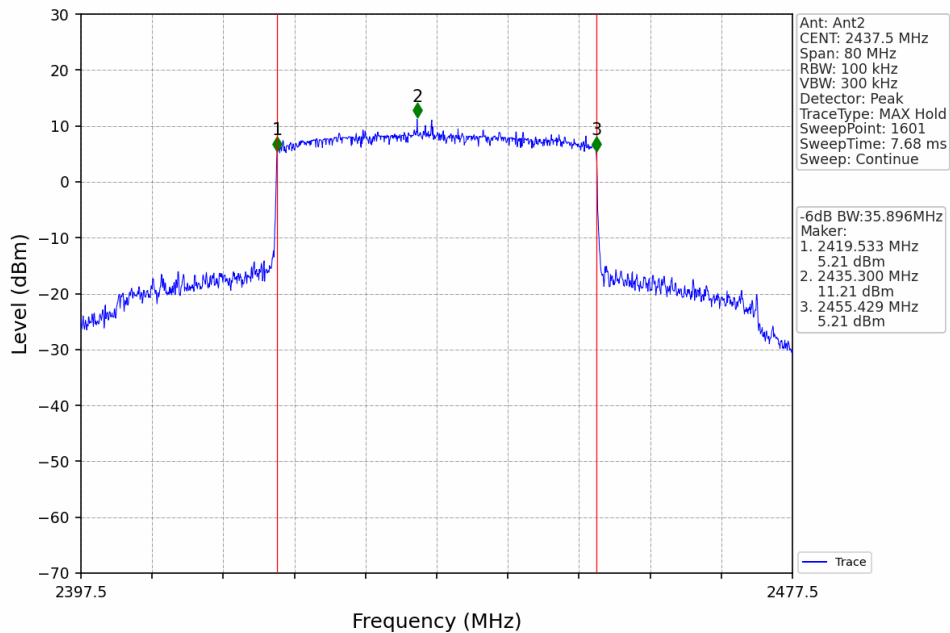
20M_HCH_2462.5MHz_Ant2_NTNV



40M_LCH_2422.5MHz_Ant2_NTNV



40M_MCH_2437.5MHz_Ant2_NTNV

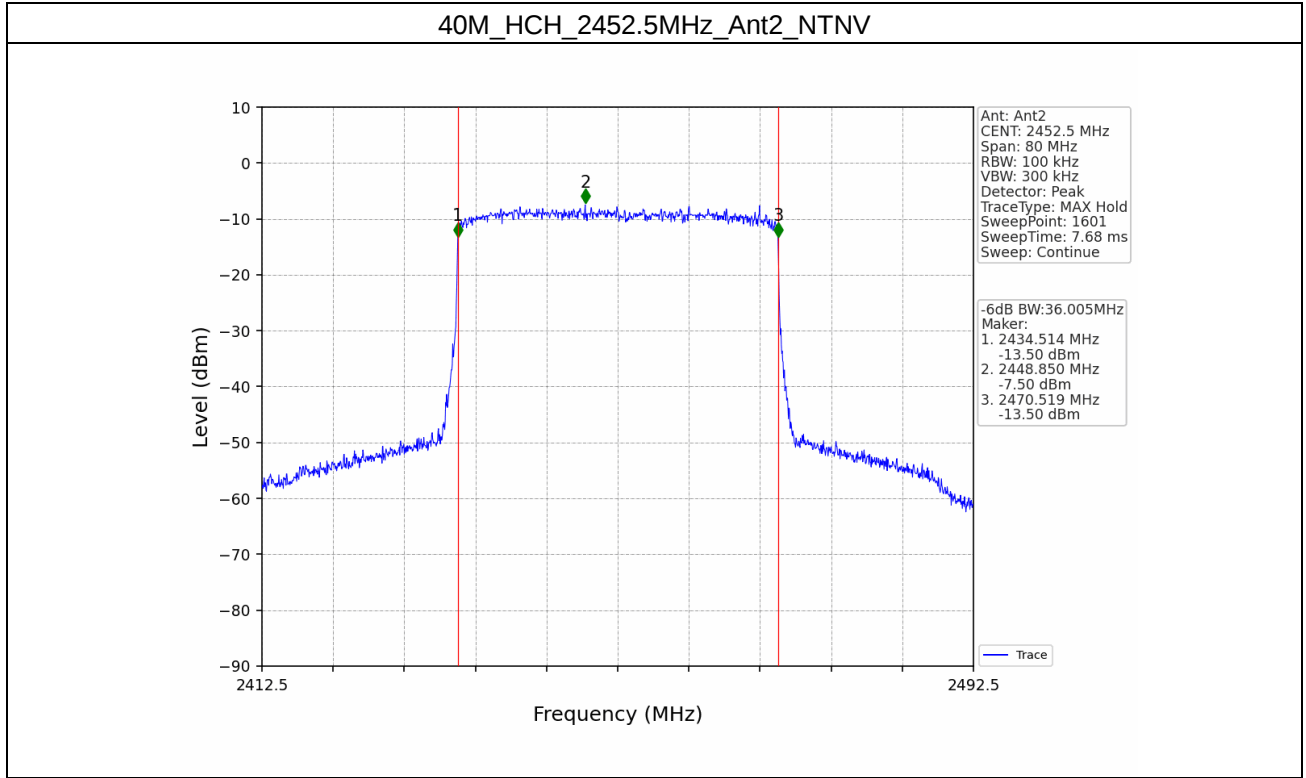


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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT2	ANT3	MIMO	Limit	
1.4M	MIMO	2403.5	14.60	15.29	17.97	<=30	Pass
		2437.5	15.32	15.69	18.52	<=30	Pass
		2471.12	15.33	15.70	18.53	<=30	Pass
3M	MIMO	2405.5	14.46	14.88	17.69	<=30	Pass
		2435.5	14.94	14.65	17.81	<=30	Pass
		2471.2	15.94	16.25	19.11	<=30	Pass
10M	MIMO	2407.5	14.27	14.77	17.54	<=30	Pass
		2437.5	25.39	25.38	28.40	<=30	Pass
		2467.5	12.81	12.80	15.82	<=30	Pass
20M	MIMO	2412.5	12.70	12.76	15.74	<=30	Pass
		2437.5	25.60	25.65	28.64	<=30	Pass
		2462.5	10.17	10.21	13.20	<=30	Pass
40M	MIMO	2422.5	8.44	8.89	11.68	<=30	Pass
		2437.5	24.26	24.52	27.40	<=30	Pass
		2452.5	7.23	7.13	10.19	<=30	Pass

4. Maximum Power Spectral Density

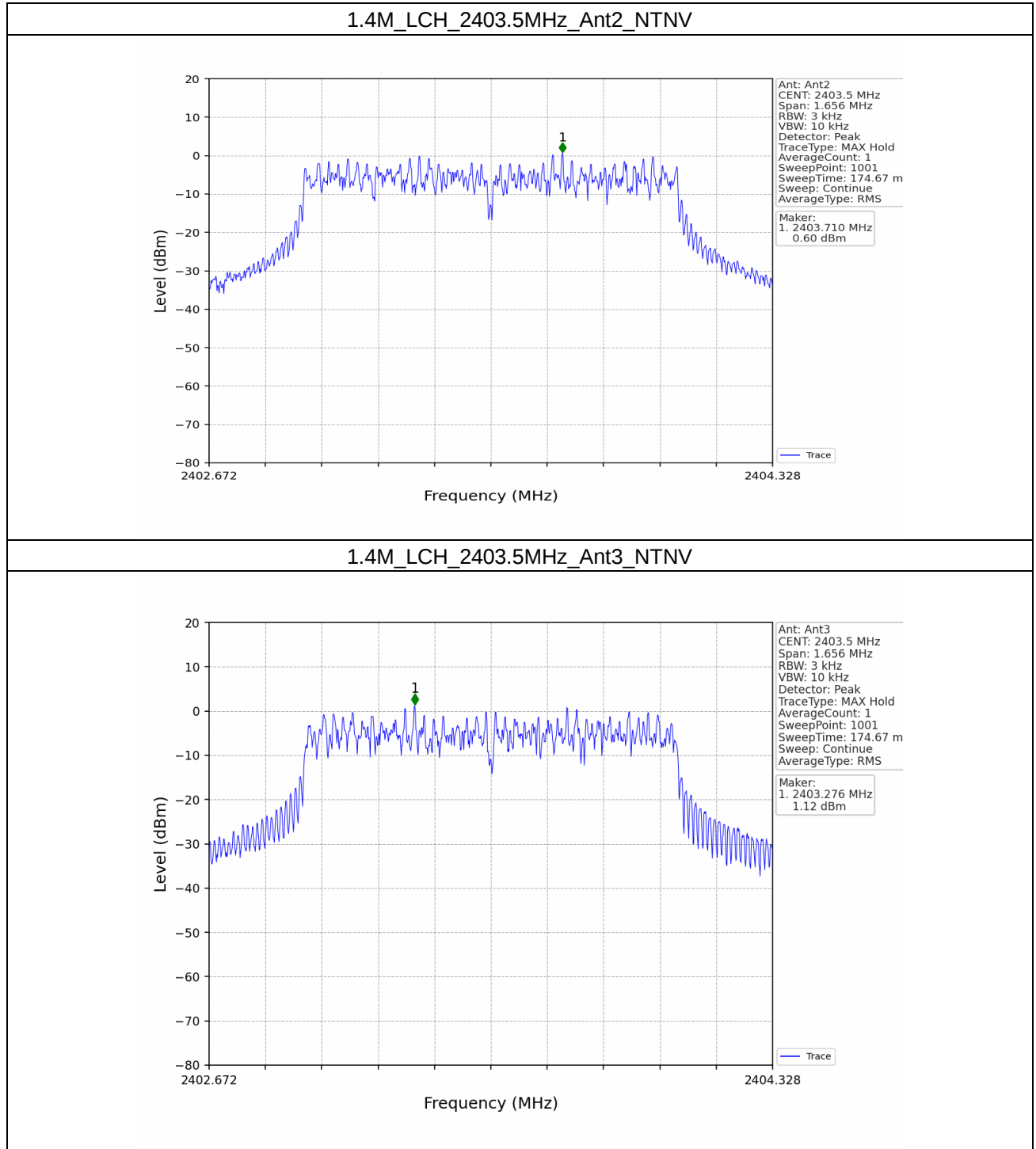
4.1 PSD

4.1.1 Test Result

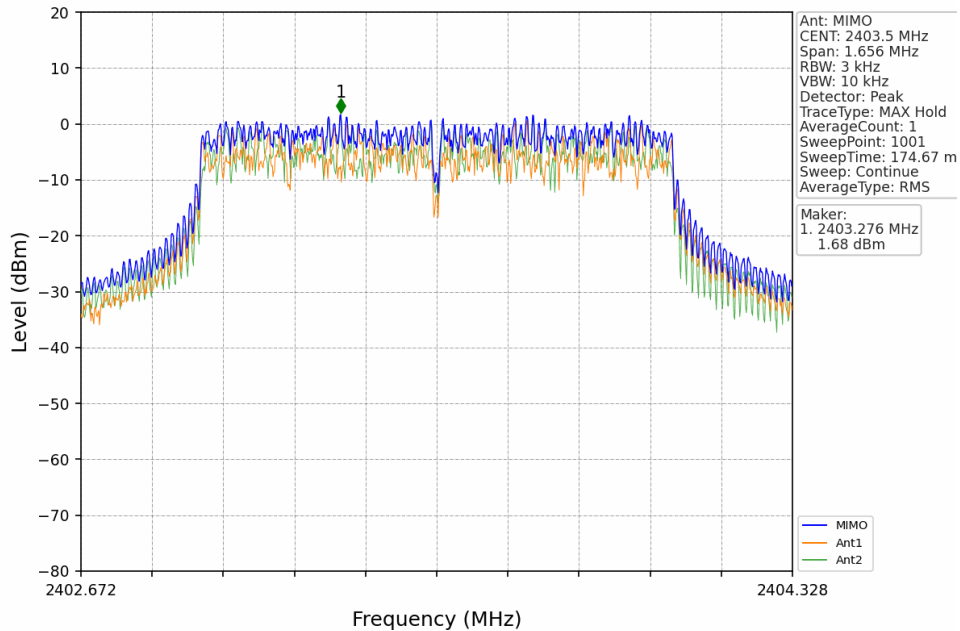
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT2	ANT3	MIMO	Limit	
1.4M	MIMO	2403.5	0.60	1.12	1.68	<=8	Pass
		2437.5	1.21	1.51	2.33	<=8	Pass
		2471.12	1.35	1.67	2.34	<=8	Pass
3M	MIMO	2405.5	-2.16	-2.03	-0.92	<=8	Pass
		2435.5	-1.80	-2.26	-0.97	<=8	Pass
		2471.2	-1.16	-0.56	0.23	<=8	Pass
10M	MIMO	2407.5	-11.29	-10.63	-8.30	<=8	Pass
		2437.5	0.52	0.10	2.48	<=8	Pass
		2467.5	-12.54	-12.66	-10.26	<=8	Pass
20M	MIMO	2412.5	-15.46	-12.61	-11.99	<=8	Pass
		2437.5	-2.54	-2.59	-0.08	<=8	Pass
		2462.5	-18.38	-14.82	-13.76	<=8	Pass
40M	MIMO	2422.5	-21.42	-21.41	-19.83	<=8	Pass
		2437.5	-6.55	-6.53	-3.95	<=8	Pass
		2452.5	-22.85	-22.55	-19.68	<=8	Pass



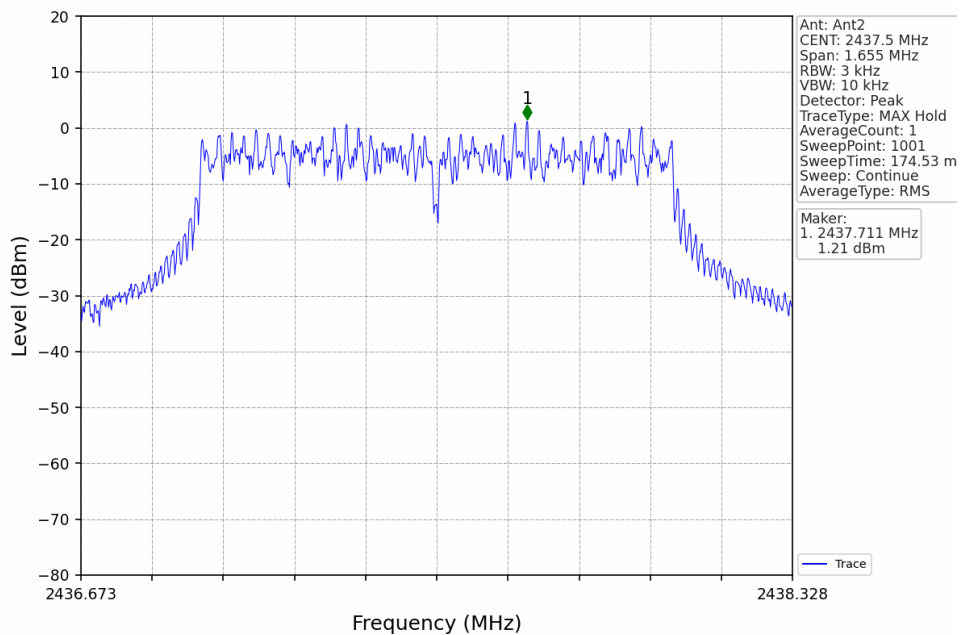
4.1.2 Test Graph



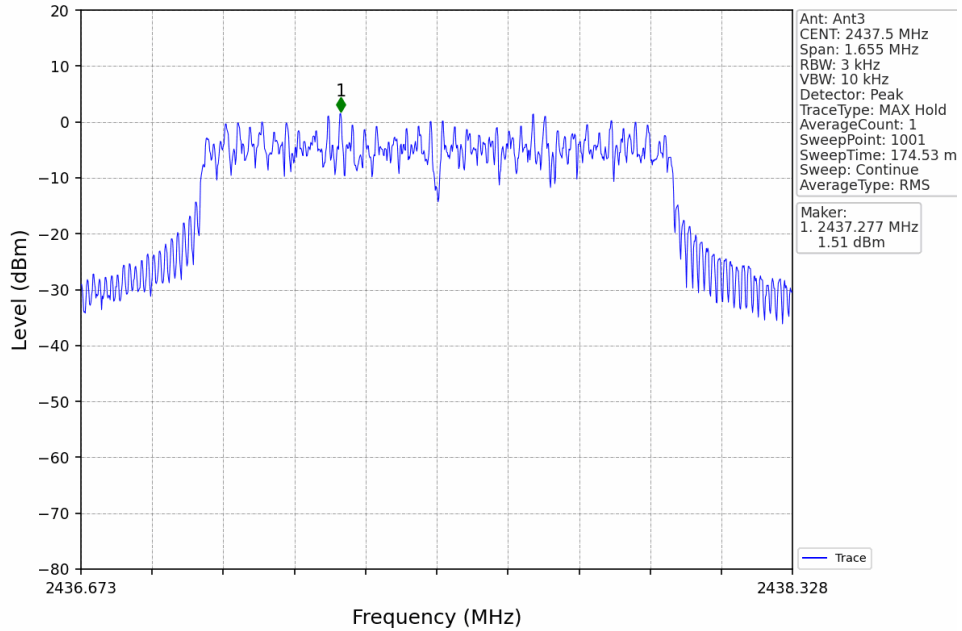
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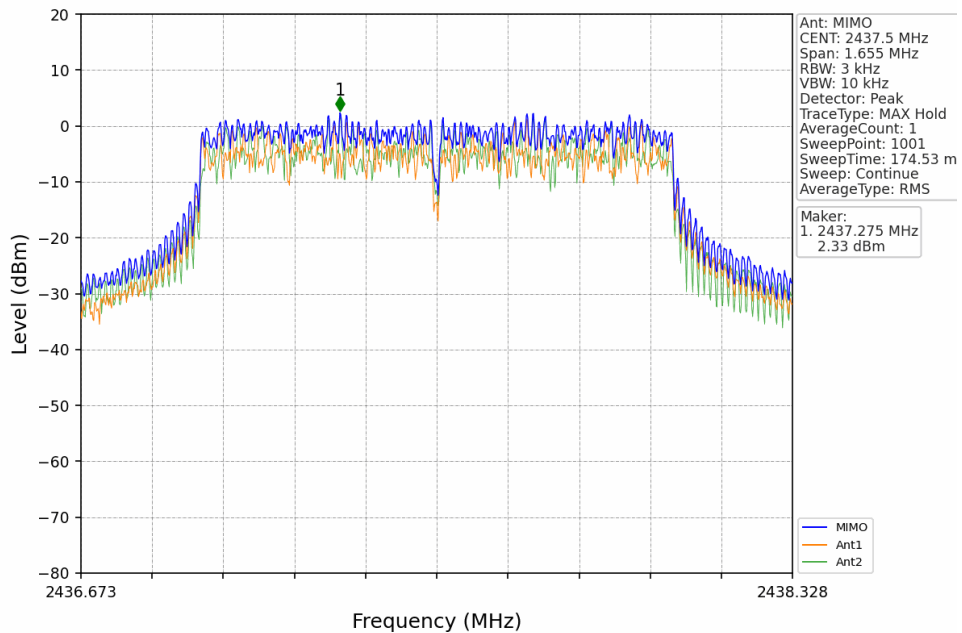
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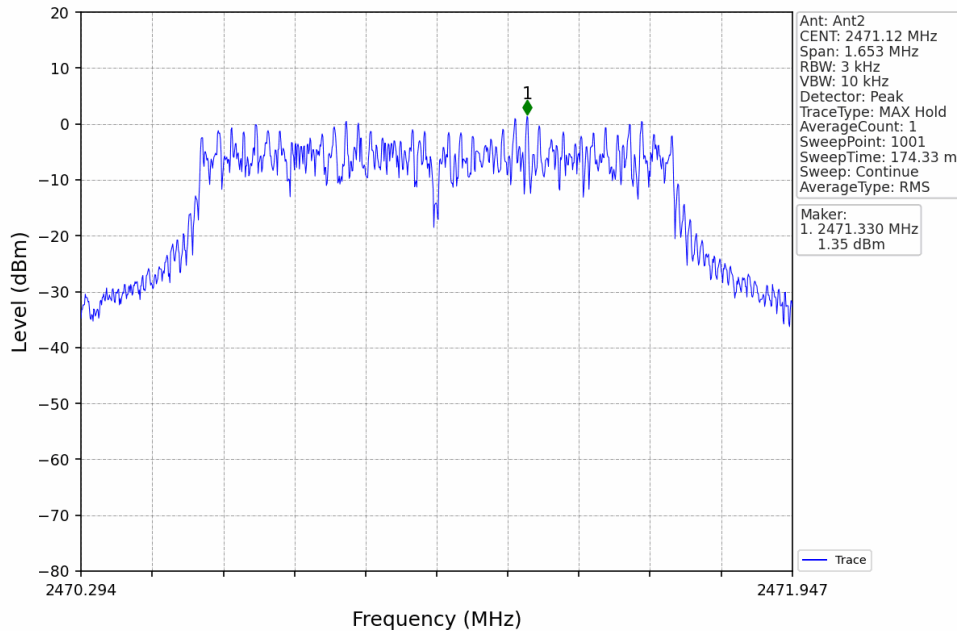
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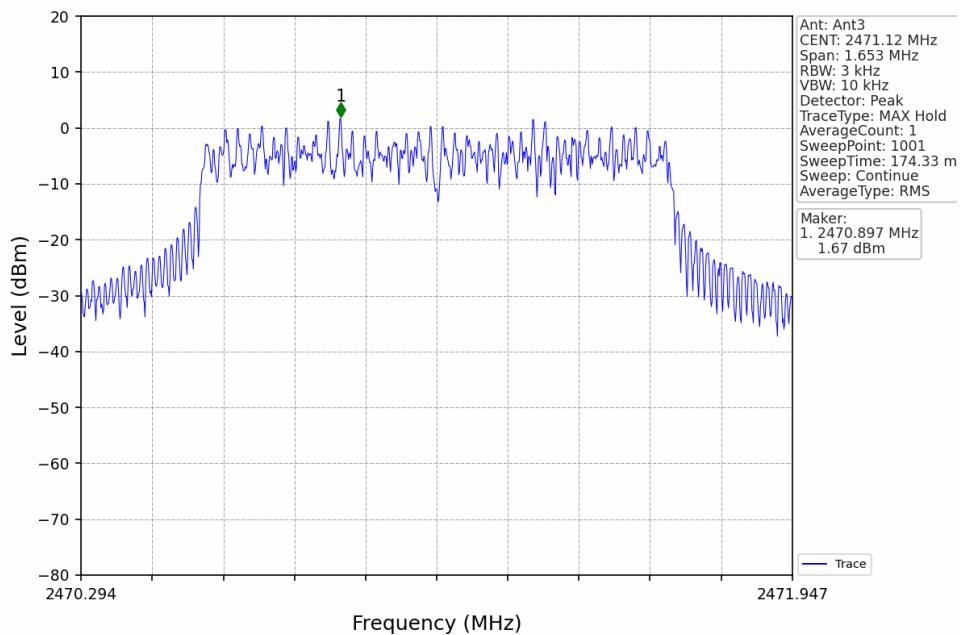
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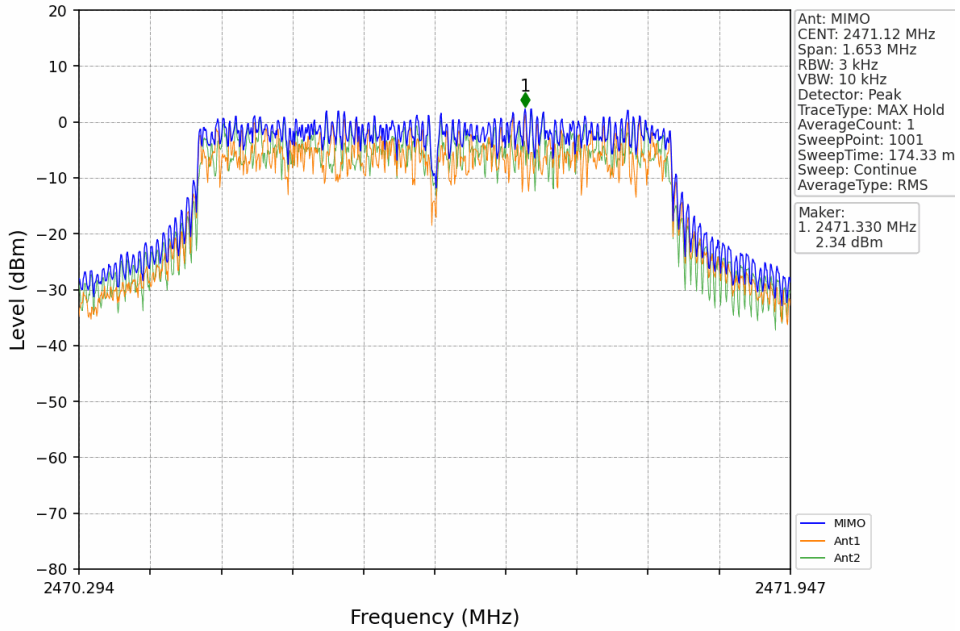
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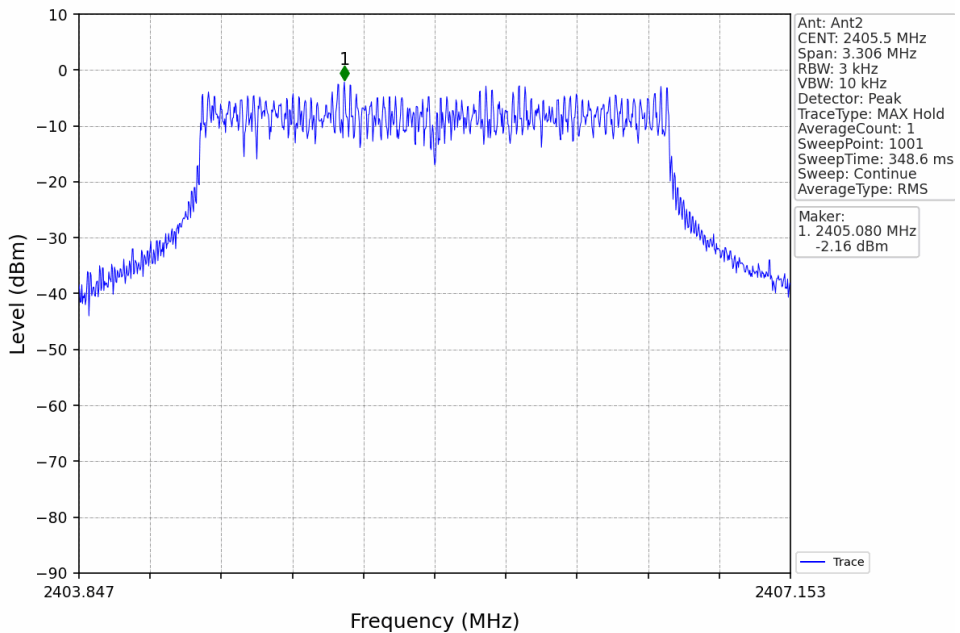
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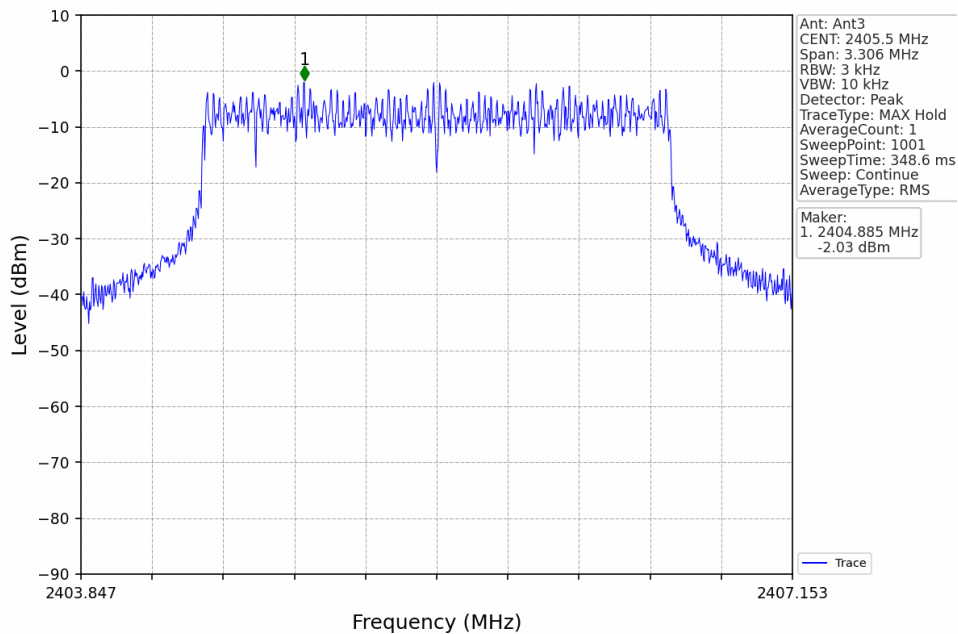
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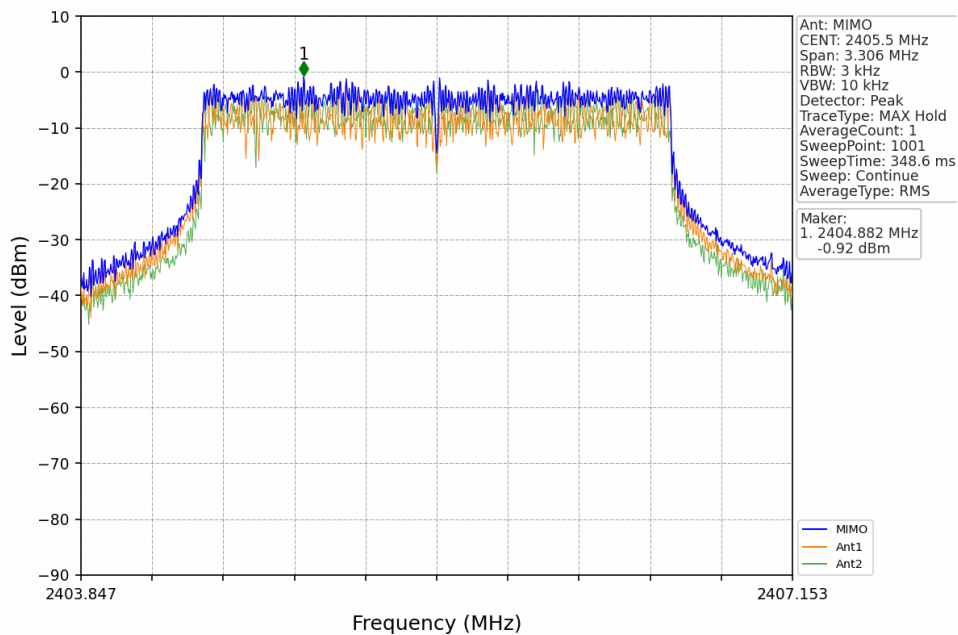
3M_LCH_2405.5MHz_Ant2_NTNV



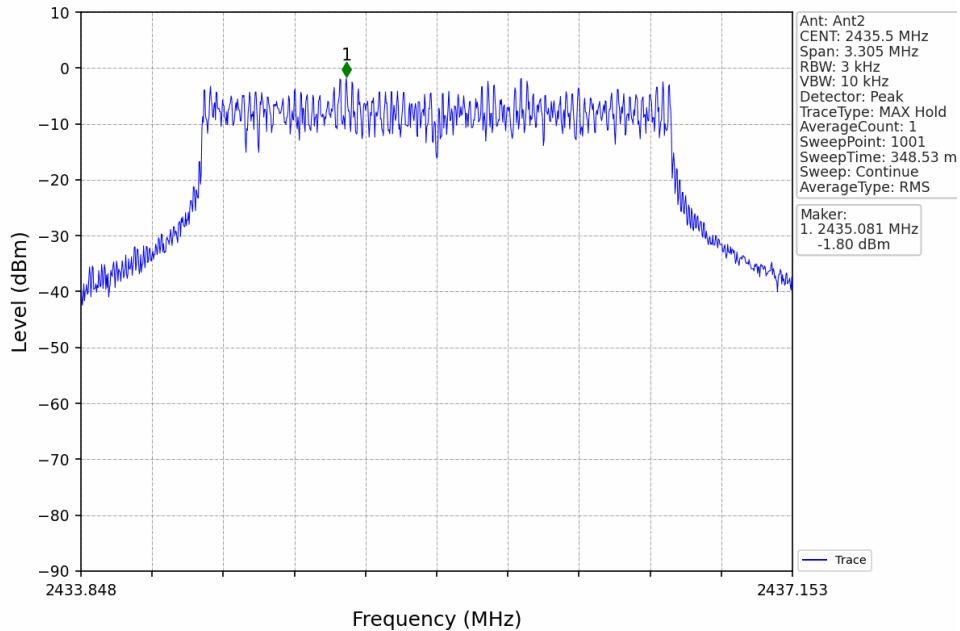
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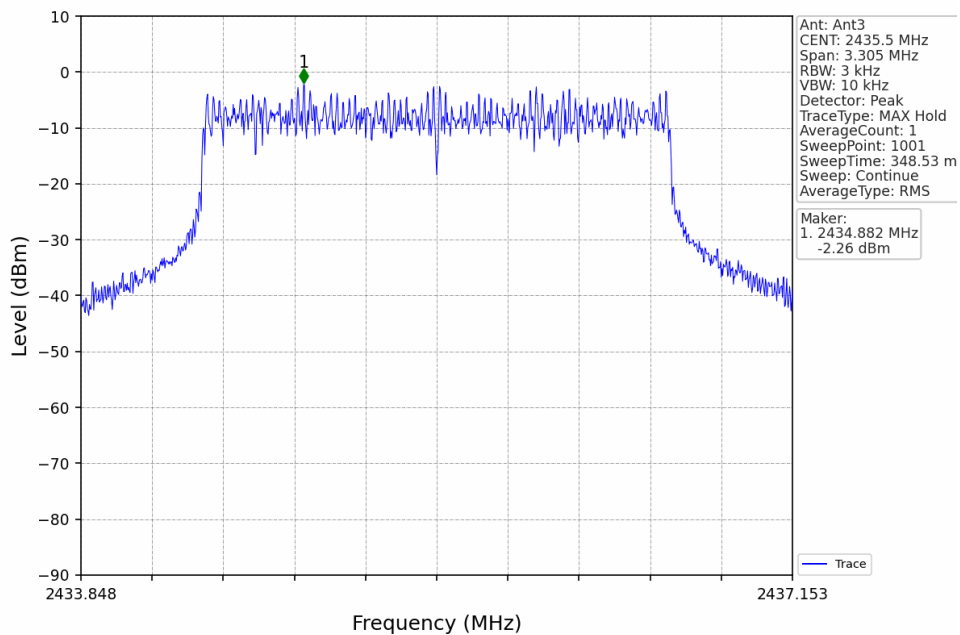
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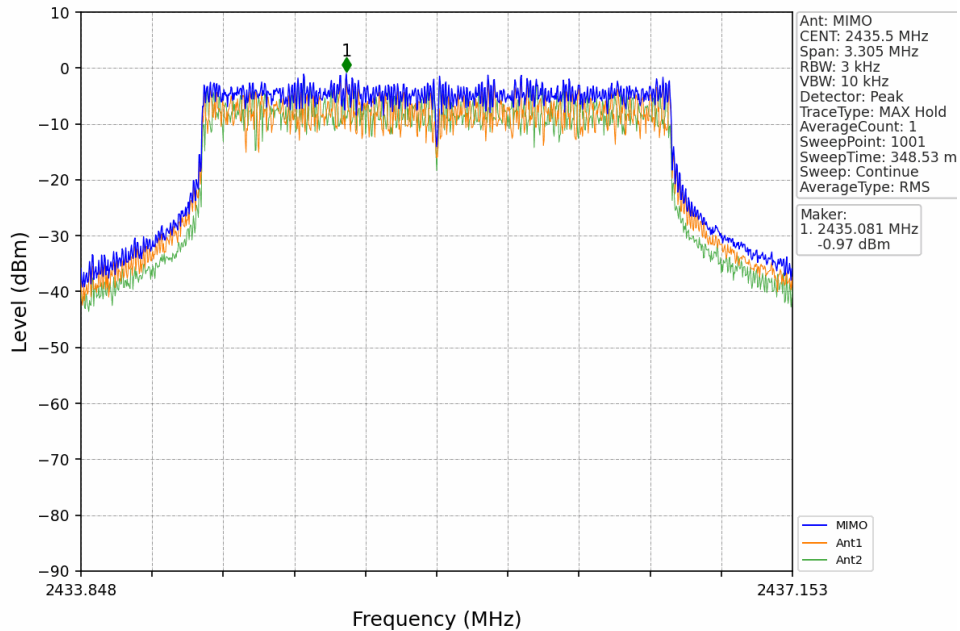
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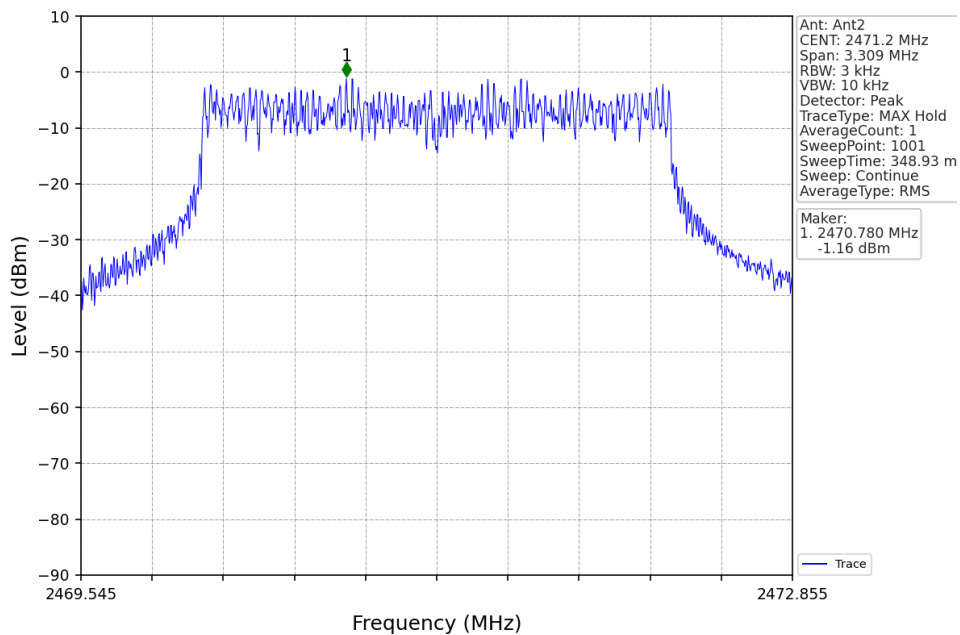
3M_MCH_2435.5MHz_Ant3_NTNV



3M_MCH_2435.5MHz_MIMO_NTNV



3M_HCH_2471.2MHz_Ant2_NTNV



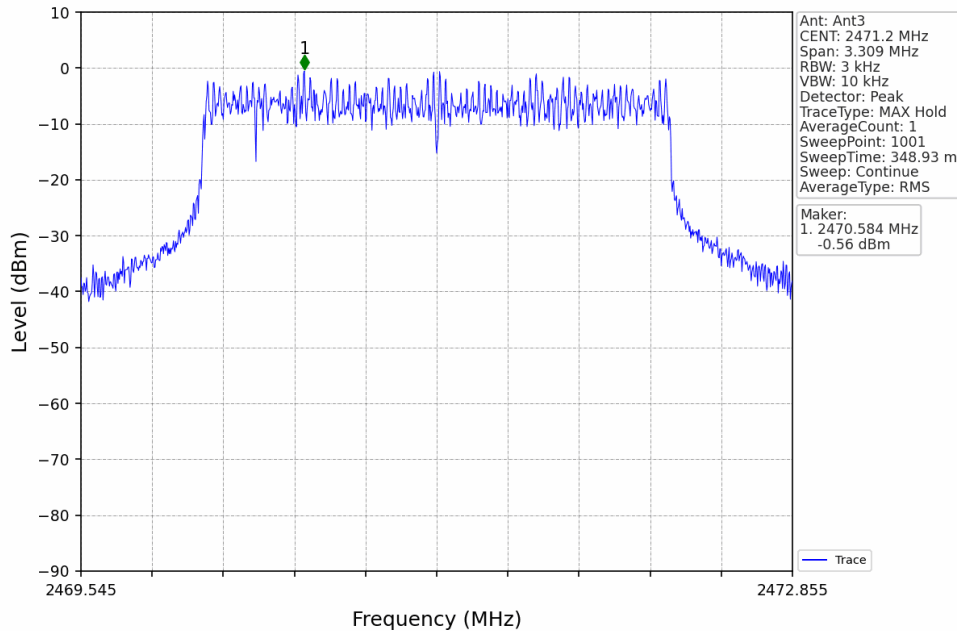
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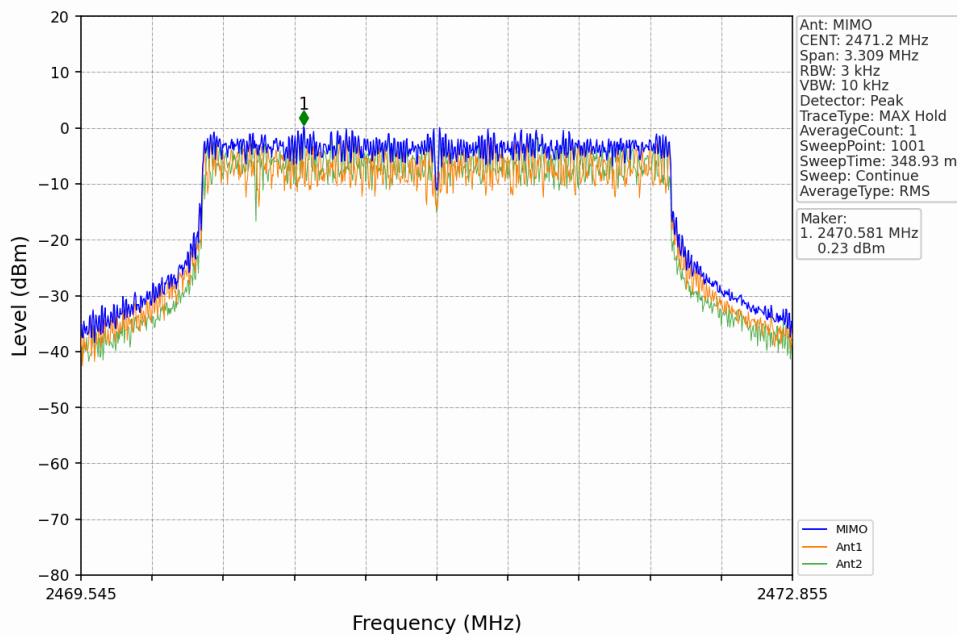
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3M_HCH_2471.2MHz_Ant3_NTNV



3M_HCH_2471.2MHz_MIMO_NTNV



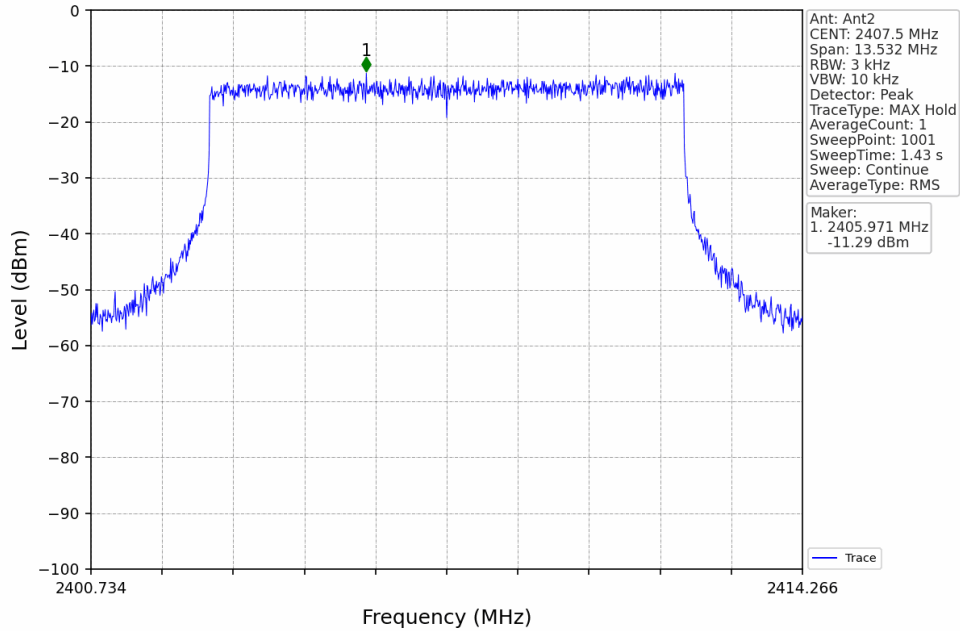
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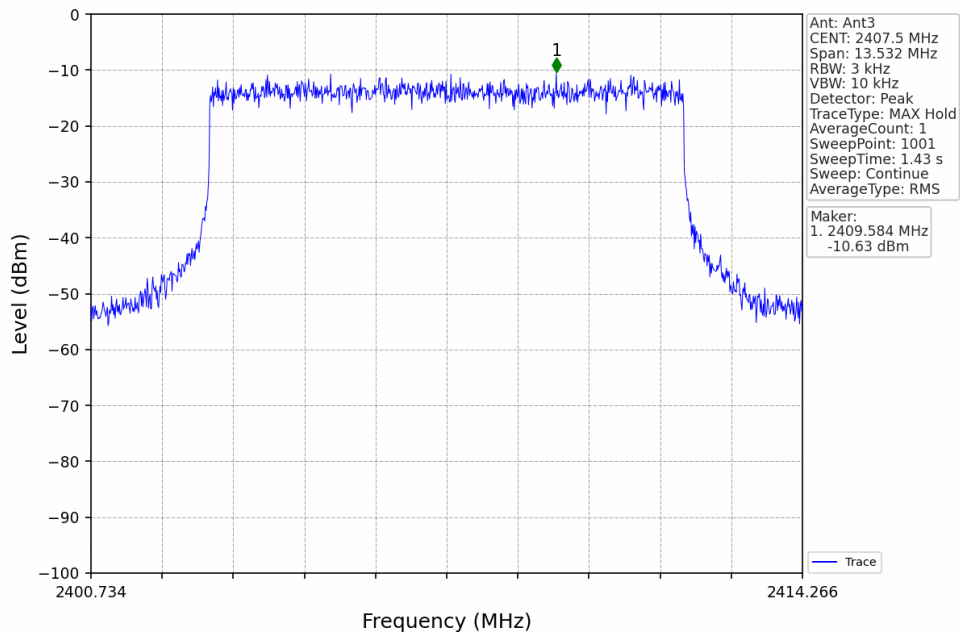
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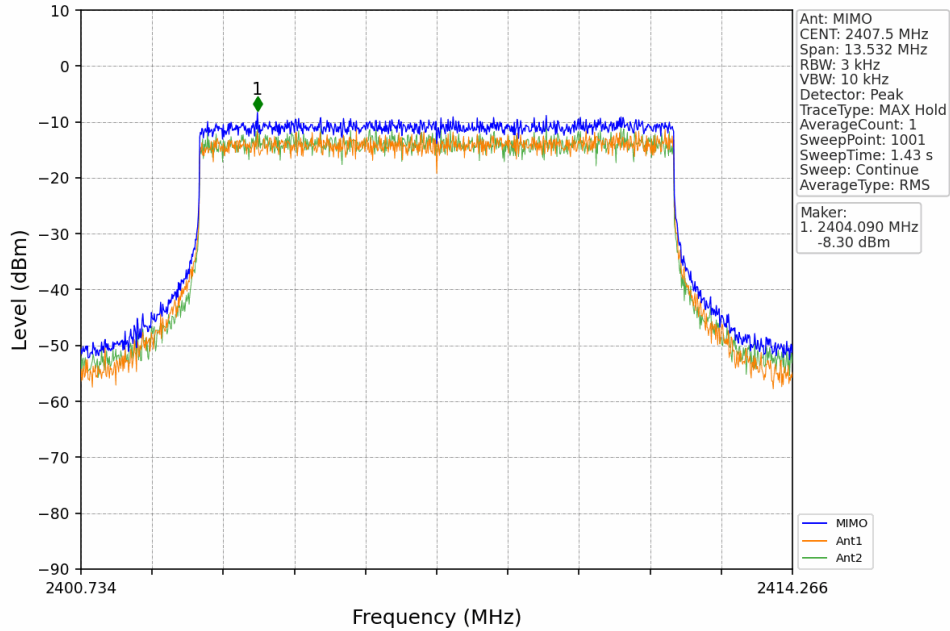
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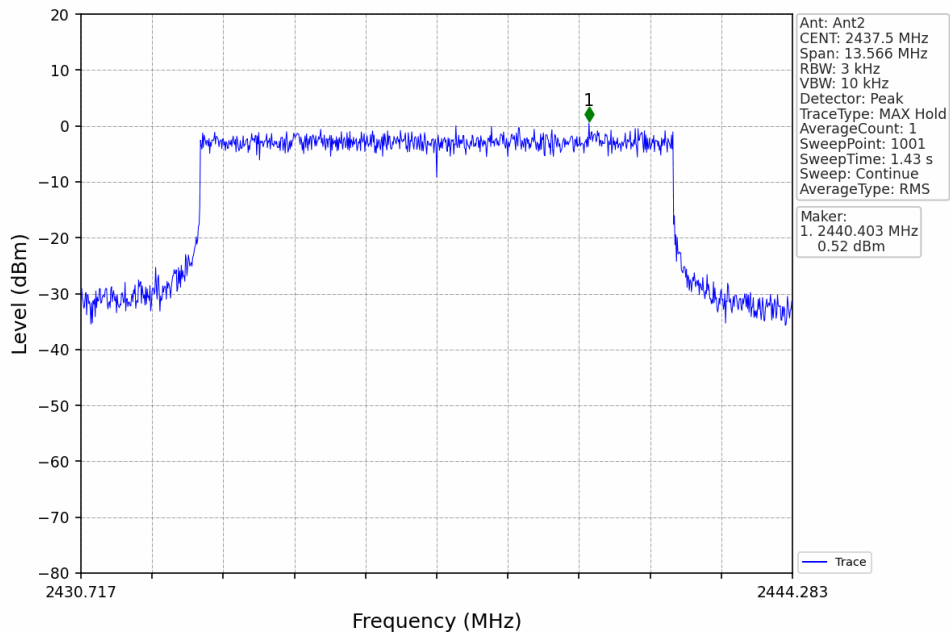
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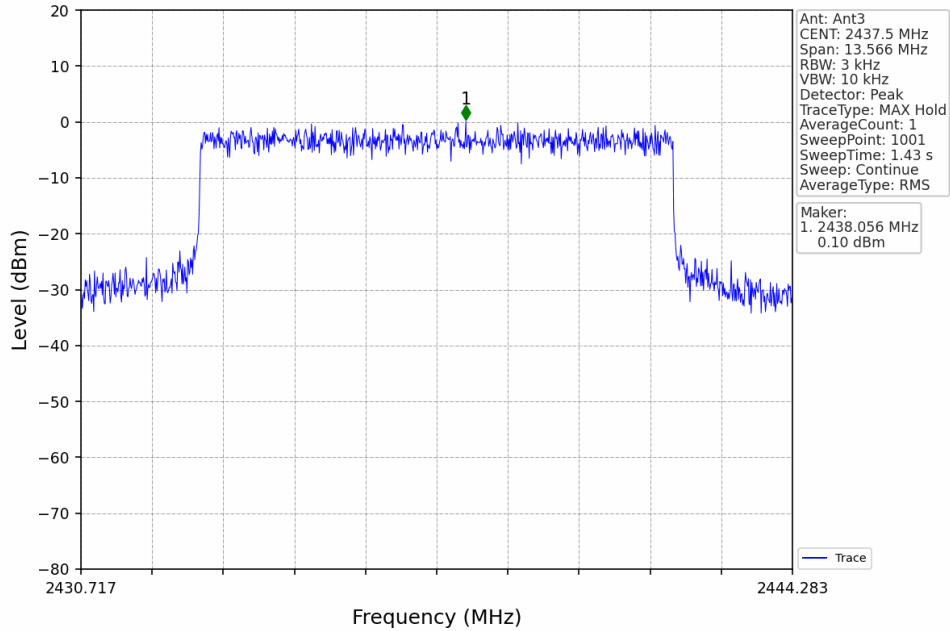
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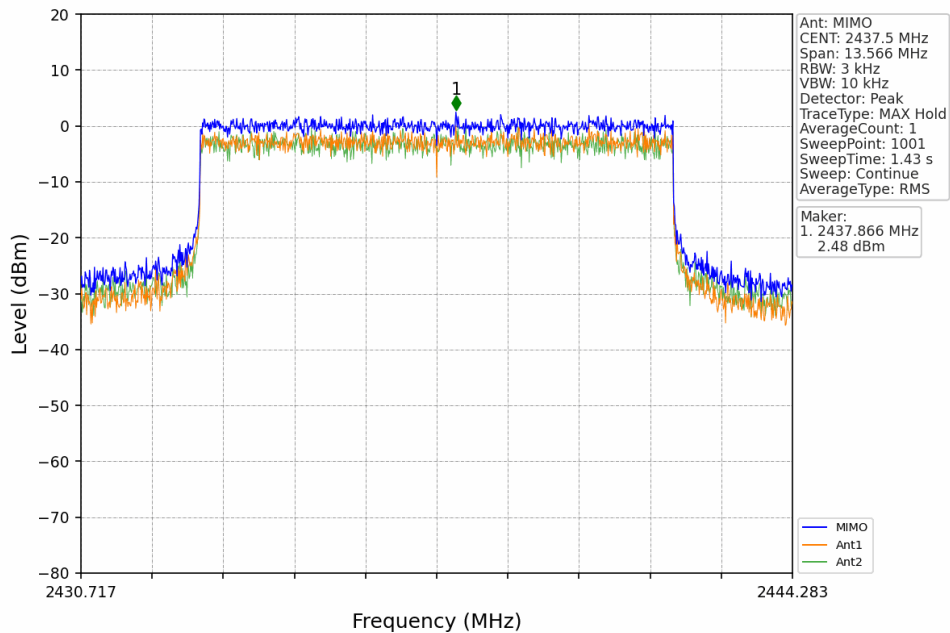
10M_MCH_2437.5MHz_Ant2_NTNV



10M_MCH_2437.5MHz_Ant3_NTNV



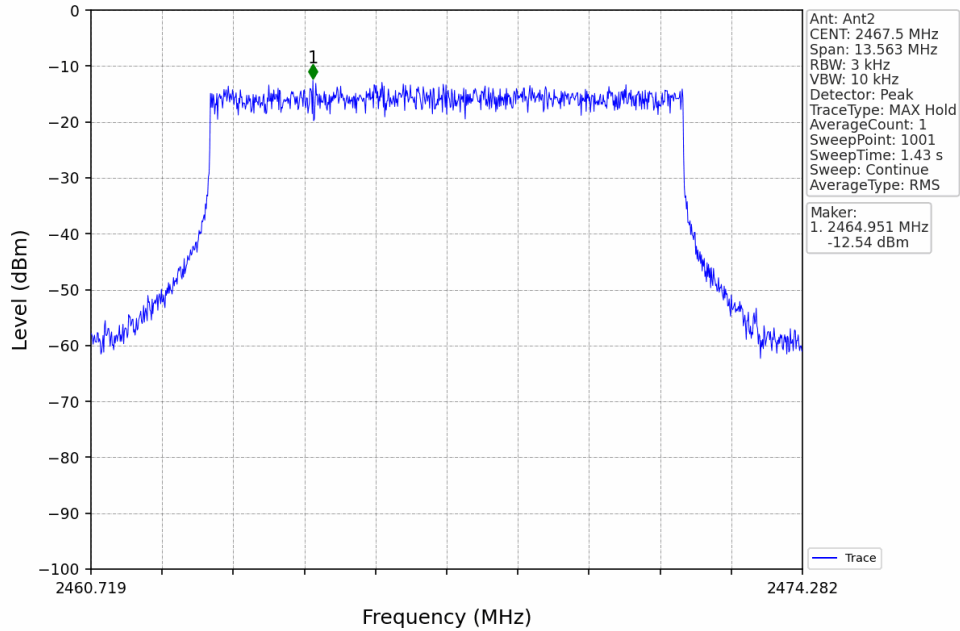
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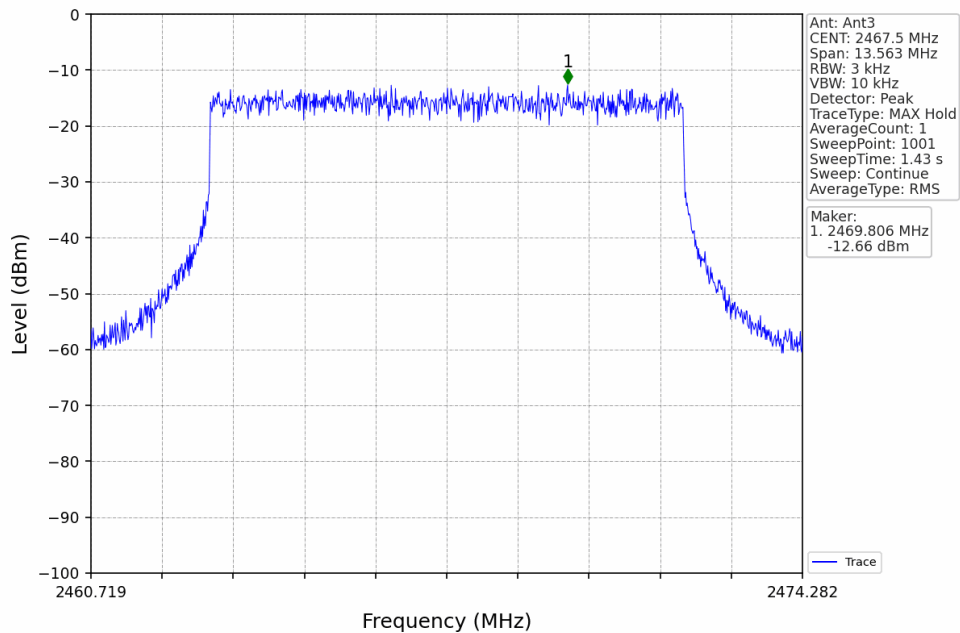
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10M_HCH_2467.5MHz_Ant2_NTNV



10M_HCH_2467.5MHz_Ant3_NTNV



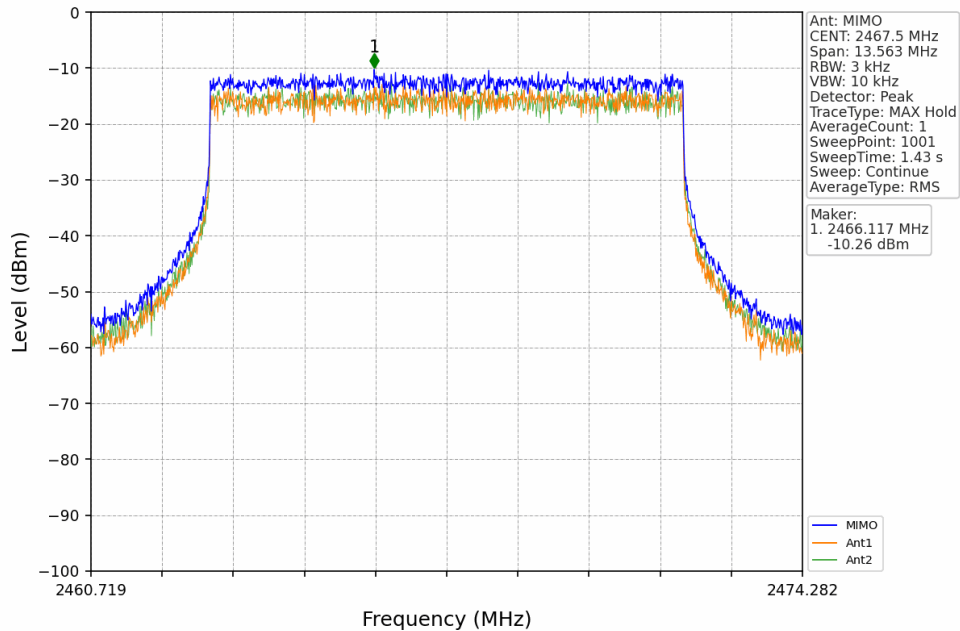
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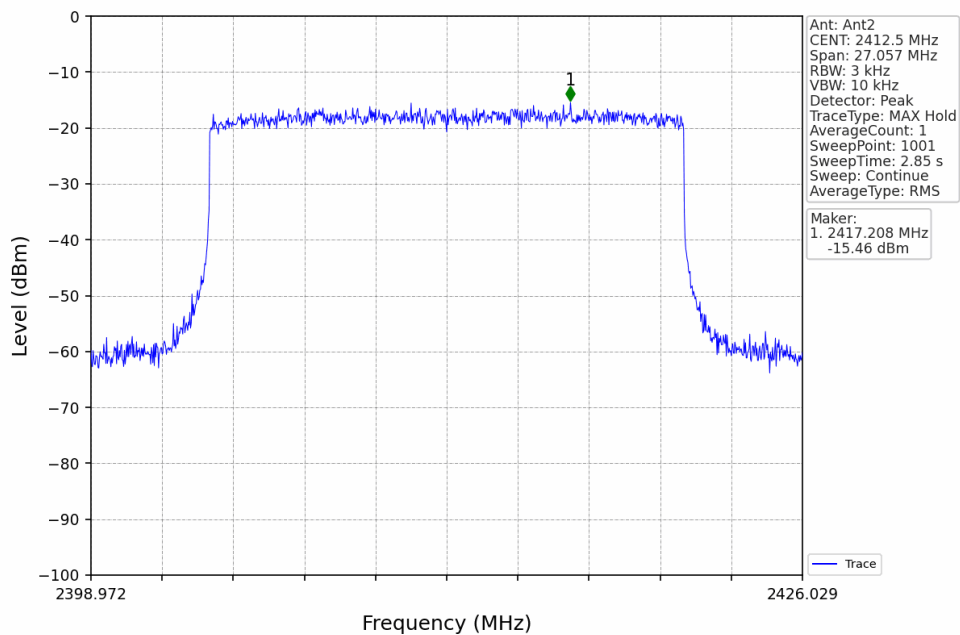
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10M_HCH_2467.5MHz_MIMO_NTNV



20M_LCH_2412.5MHz_Ant2_NTNV



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