

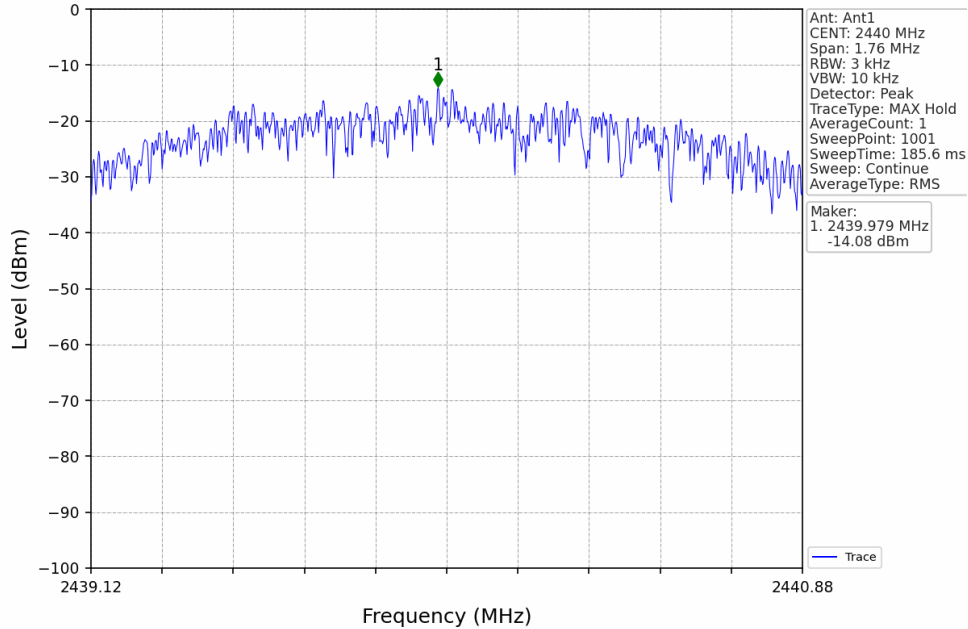
Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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

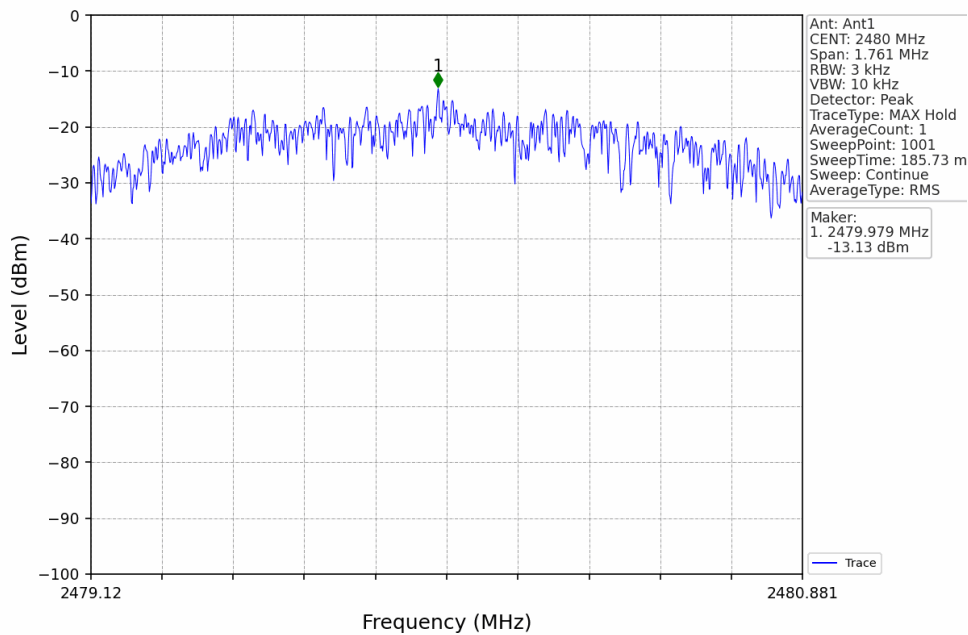
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_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)
1M	SISO	2402	1	3.37
		2440	1	3.61
		2480	1	3.48
2M	SISO	2402	1	3.22
		2440	1	3.39
		2480	1	3.28



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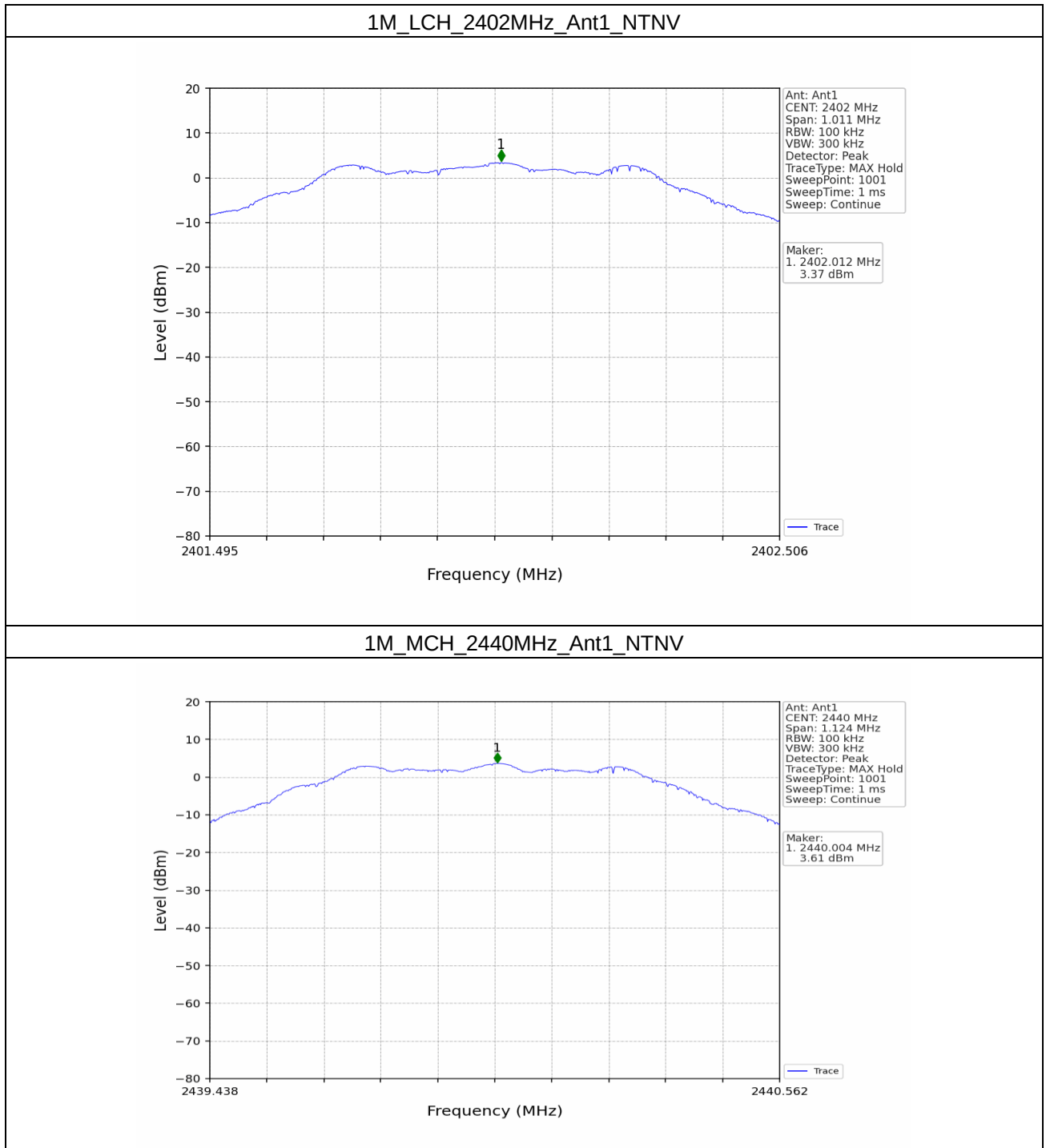
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5.1.2 Test Graph



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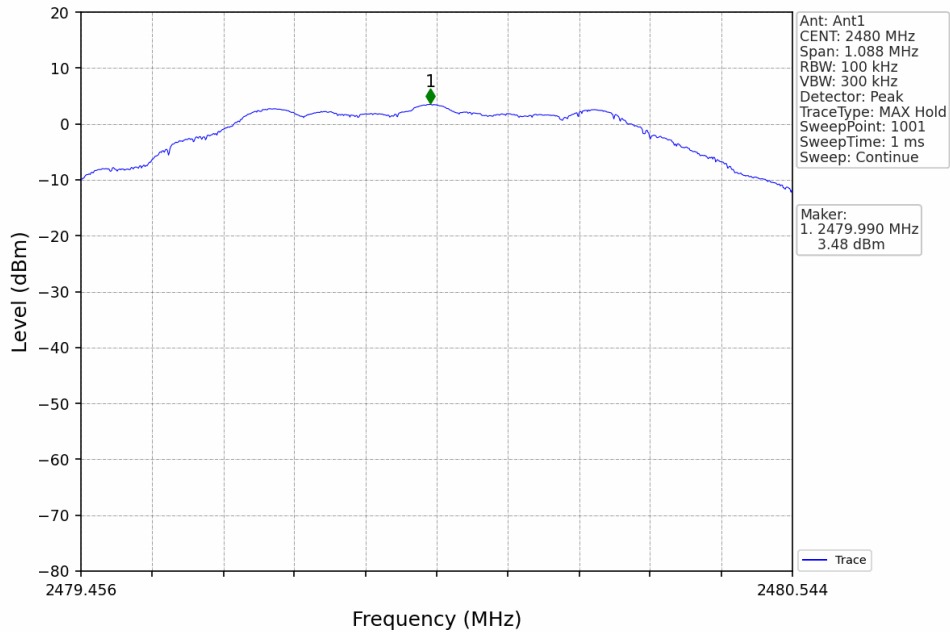
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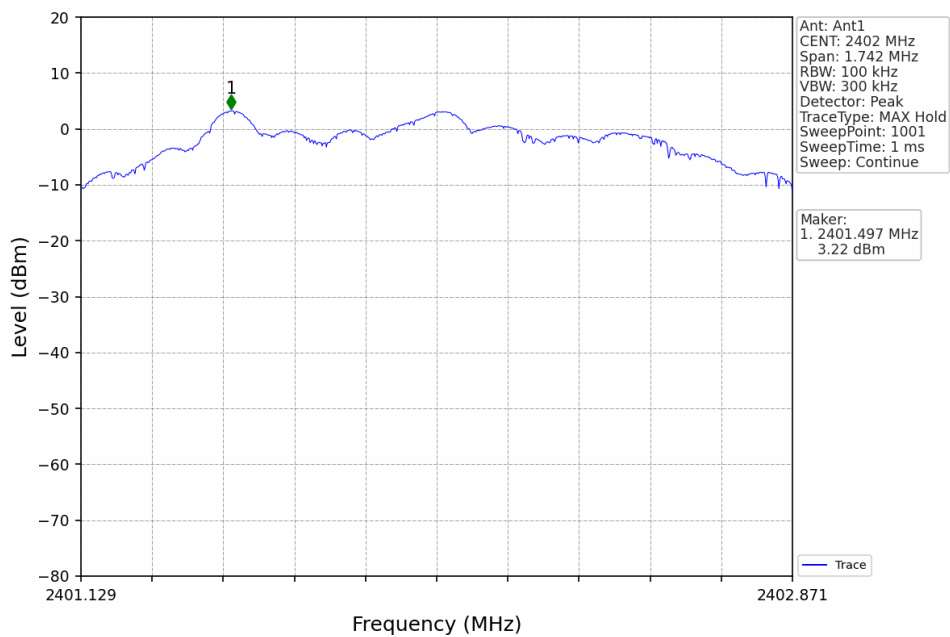
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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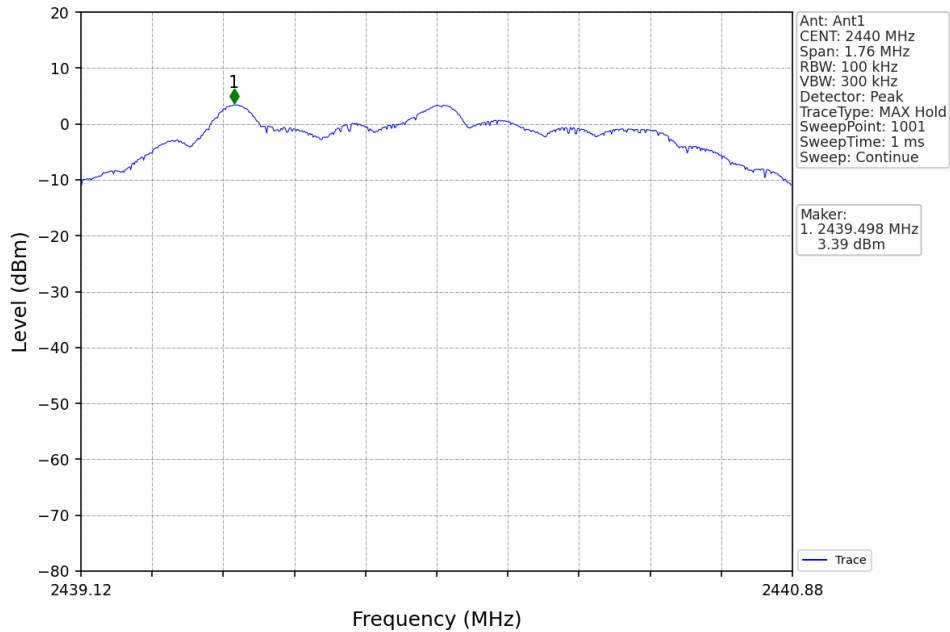
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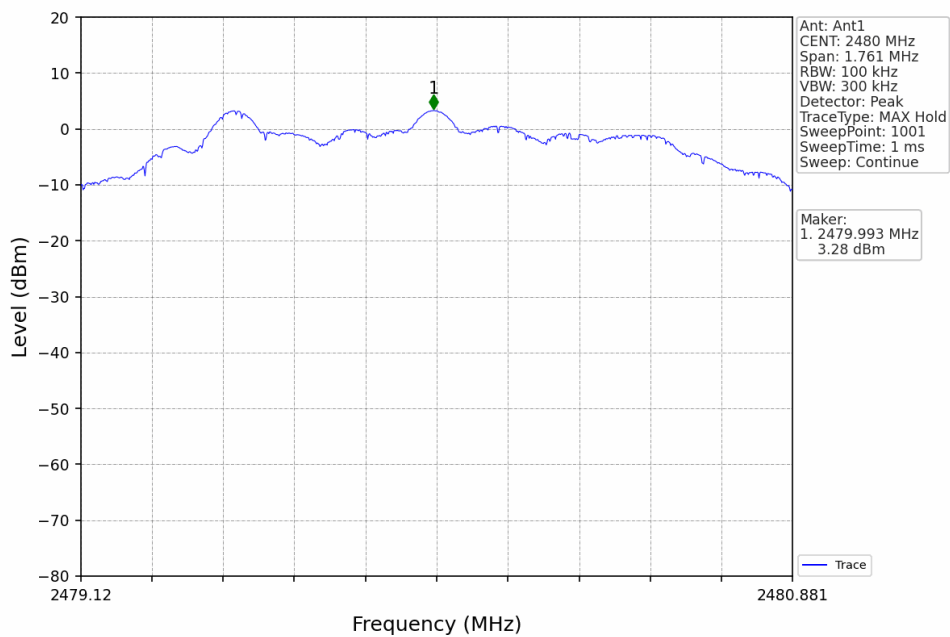
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	3.61	-16.39	Pass
		2440	1	3.61	-16.39	Pass
		2480	1	3.61	-16.39	Pass
2M	SISO	2402	1	3.39	-16.61	Pass
		2440	1	3.39	-16.61	Pass
		2480	1	3.39	-16.61	Pass

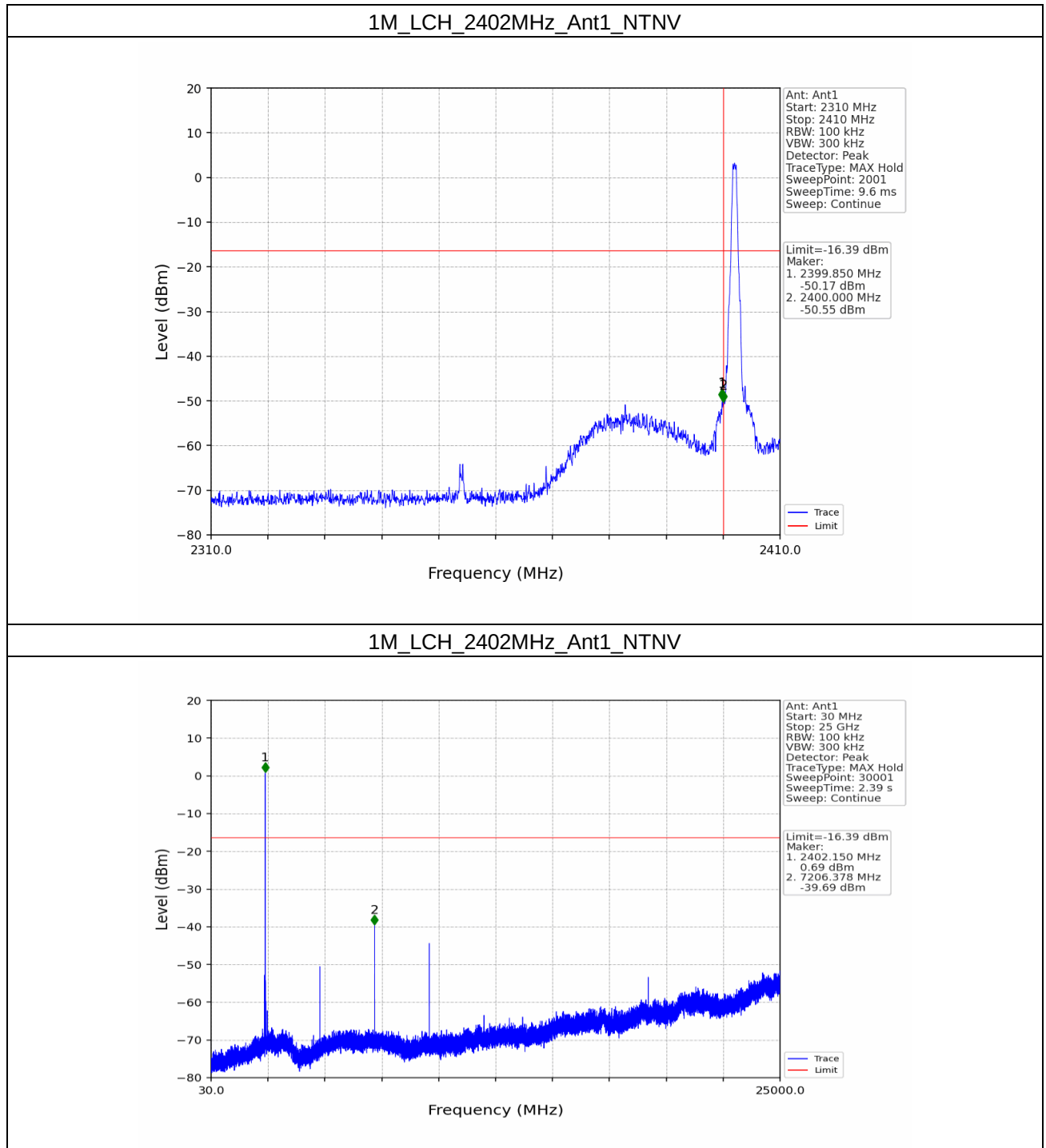


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5.2.2 Test Graph



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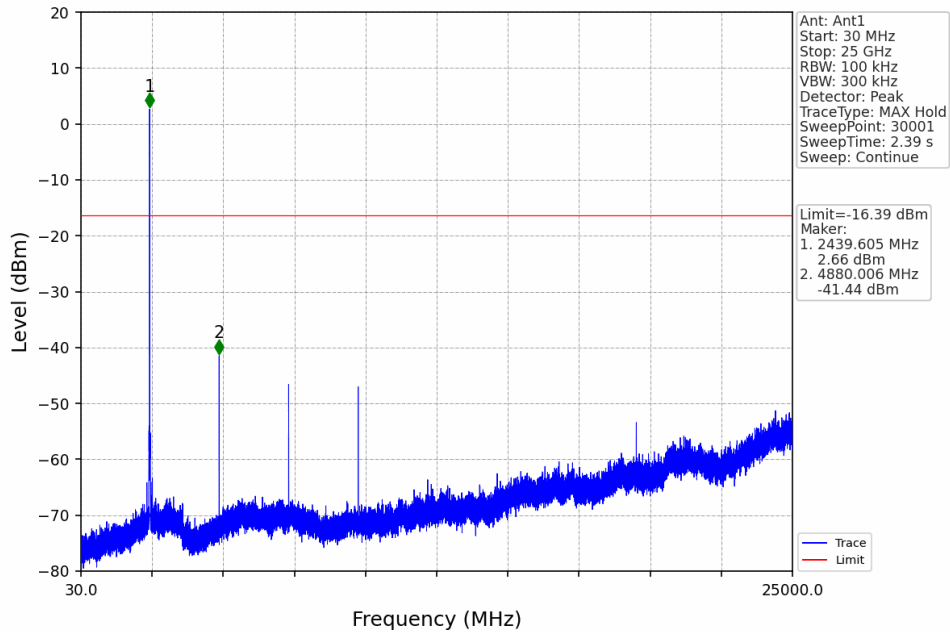
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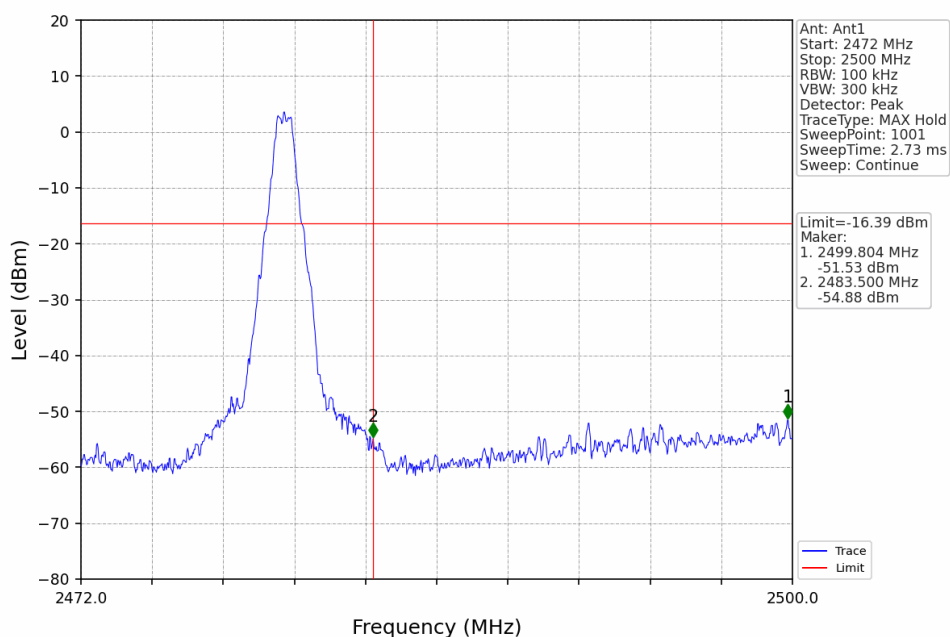
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1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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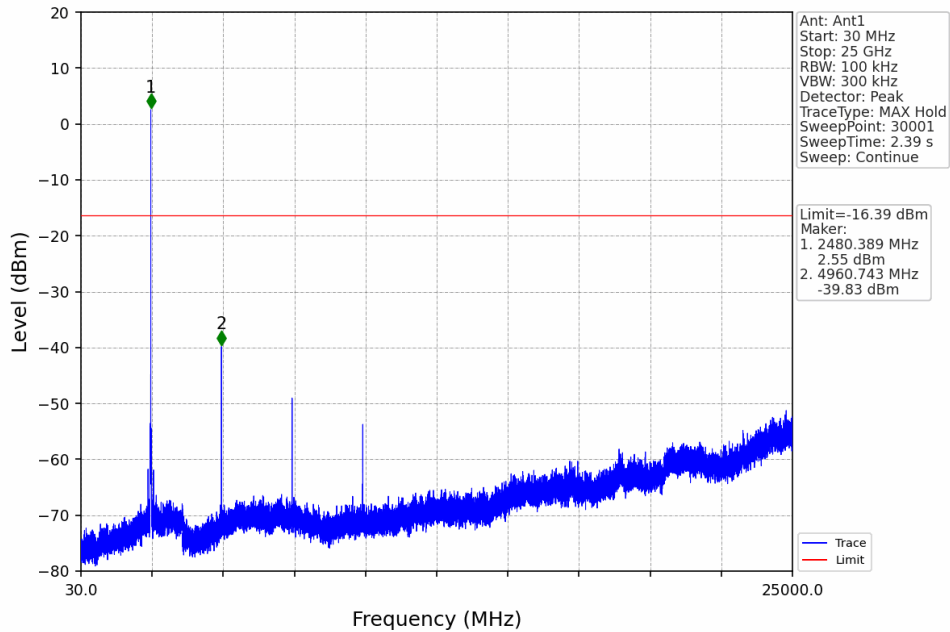
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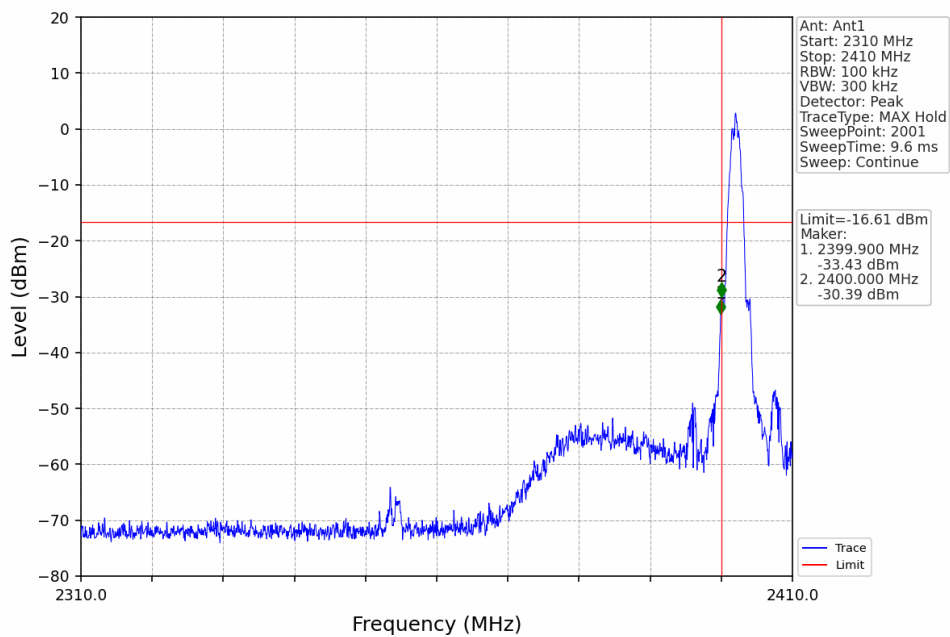
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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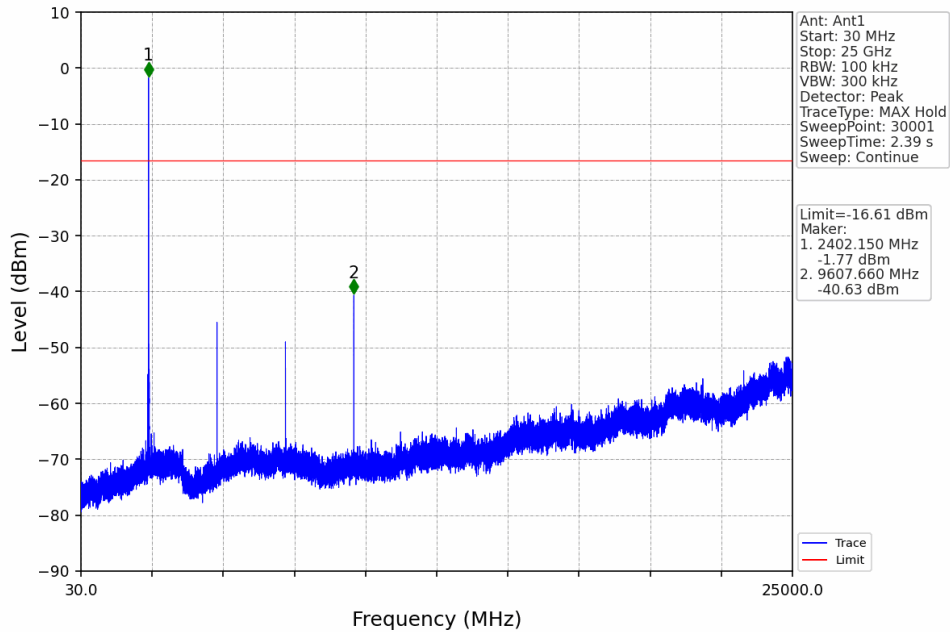
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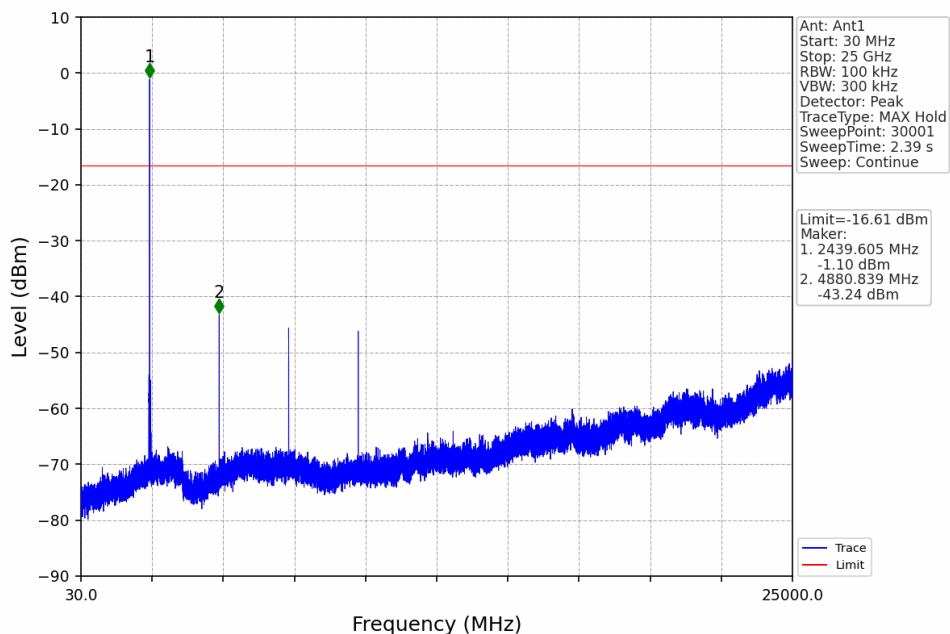
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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



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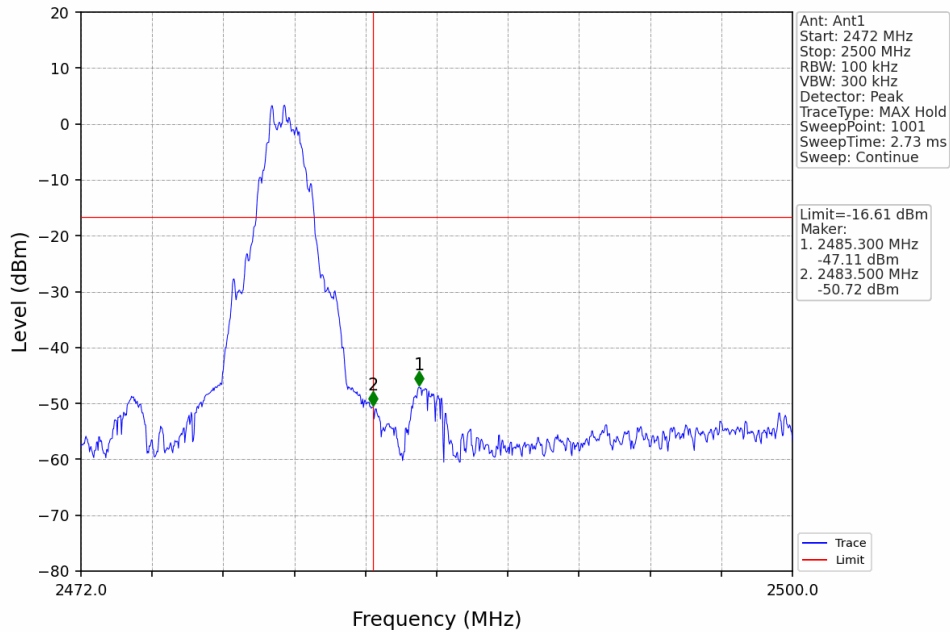
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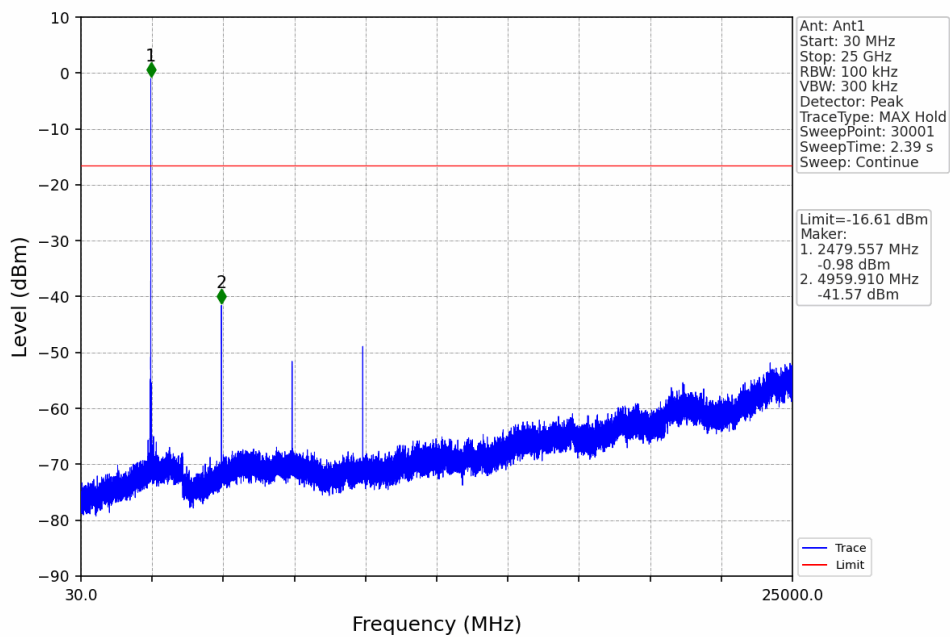
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For left earbuds:

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.544	1.250	43.52	3.61	0.03
		2440	0.544	1.251	43.49	3.62	0.03
		2480	0.544	1.251	43.49	3.62	0.05
2M	SISO	2402	0.291	1.249	23.30	6.33	0.03
		2440	0.292	1.250	23.36	6.32	0.03
		2480	0.291	1.250	23.28	6.33	0.03



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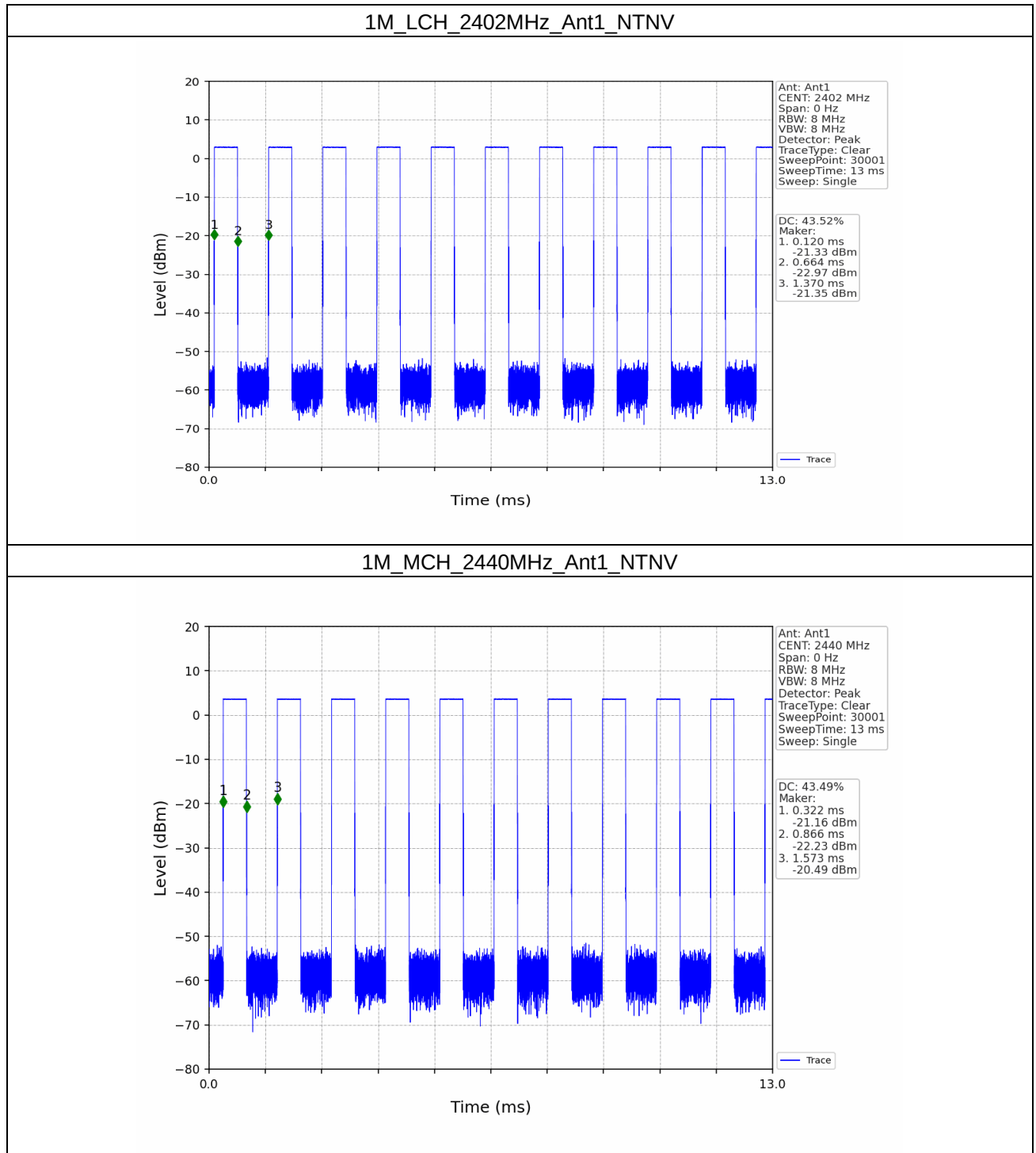
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1.1.2 Test Graph



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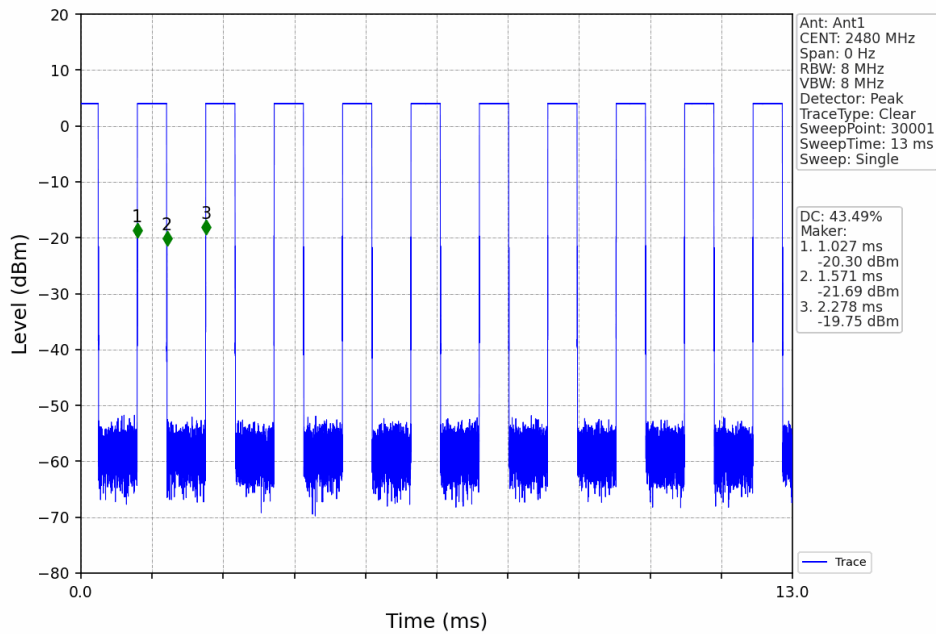
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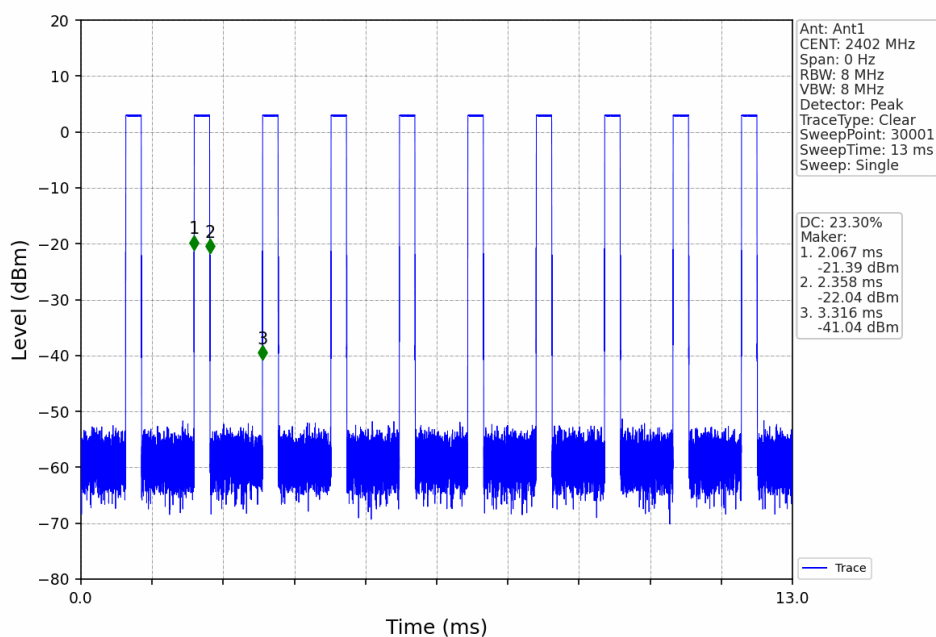
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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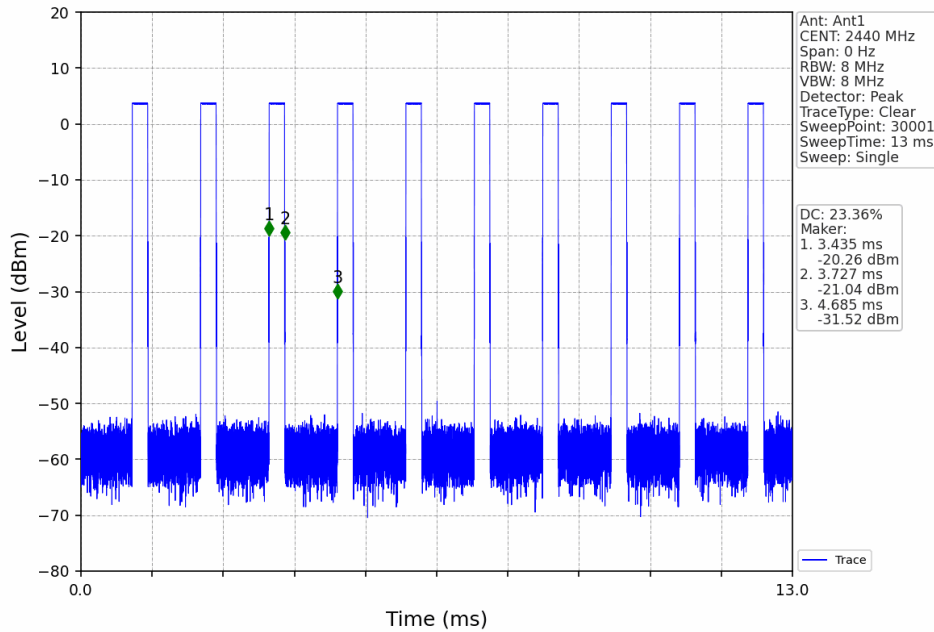
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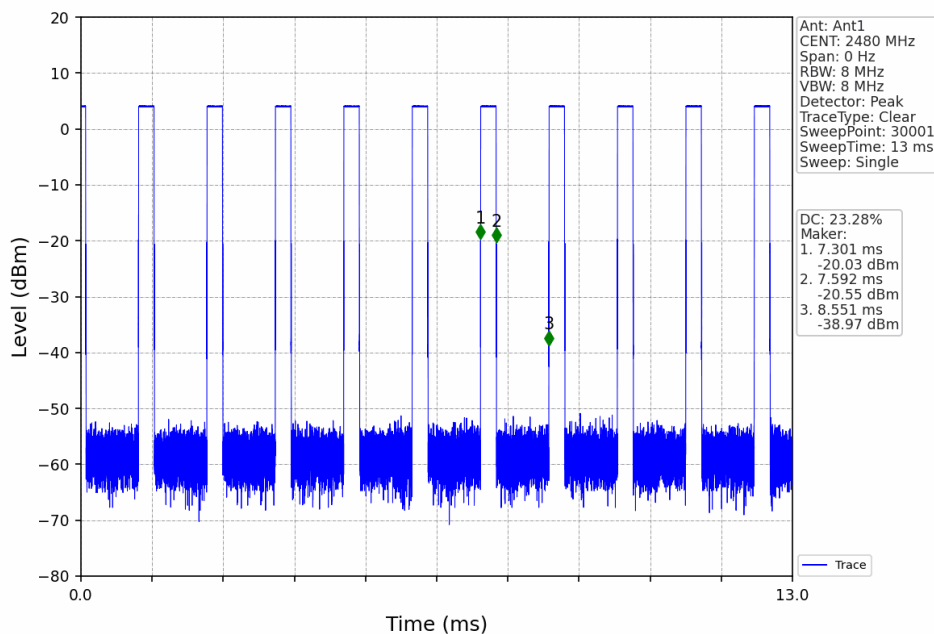
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2M_MCH_2440MHz_Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1M	SISO	2402	1	1.031	Pass
		2440	1	1.030	Pass
		2480	1	1.030	Pass
2M	SISO	2402	1	2.041	Pass
		2440	1	2.039	Pass
		2480	1	2.037	Pass



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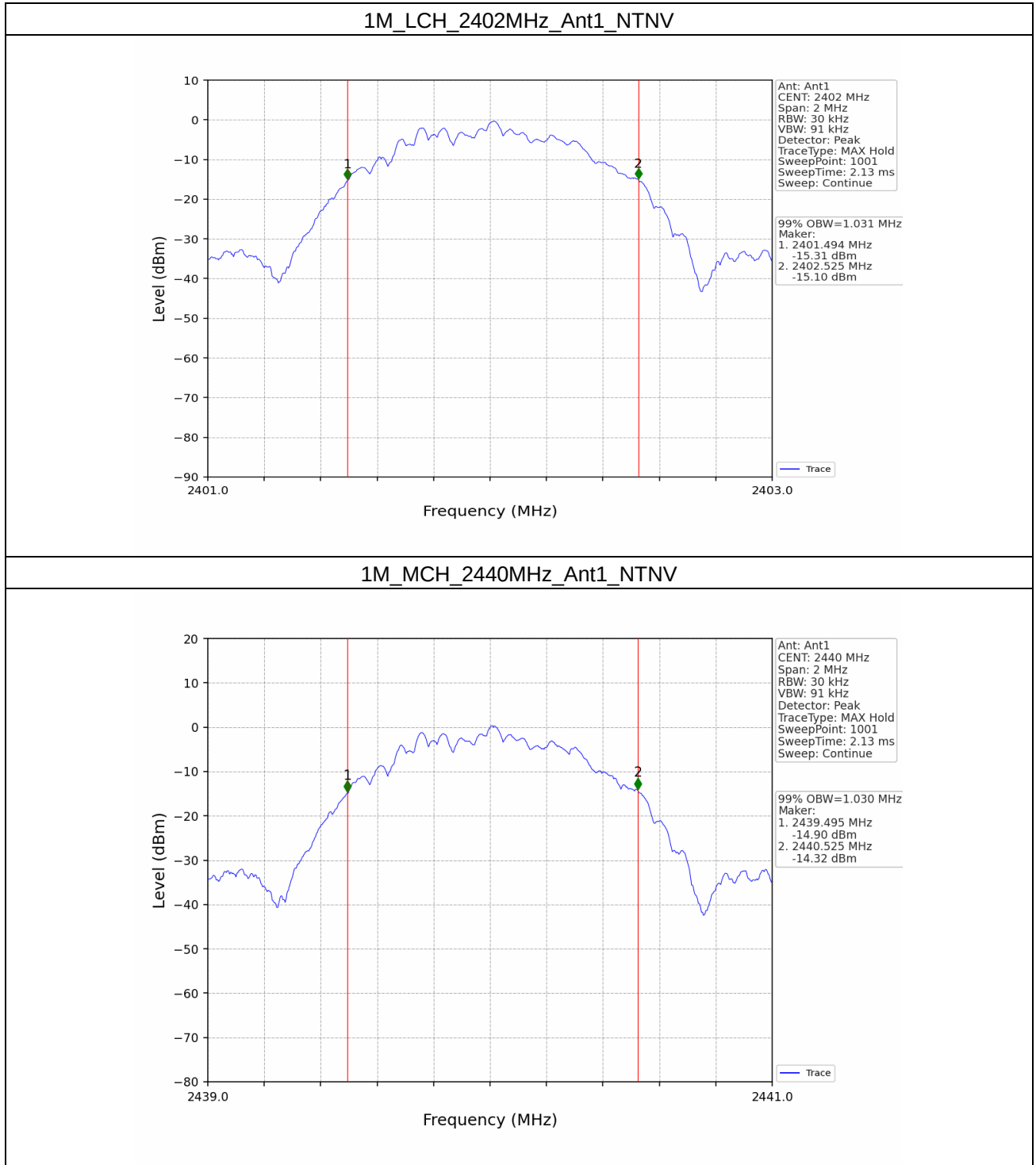
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2.1.2 Test Graph



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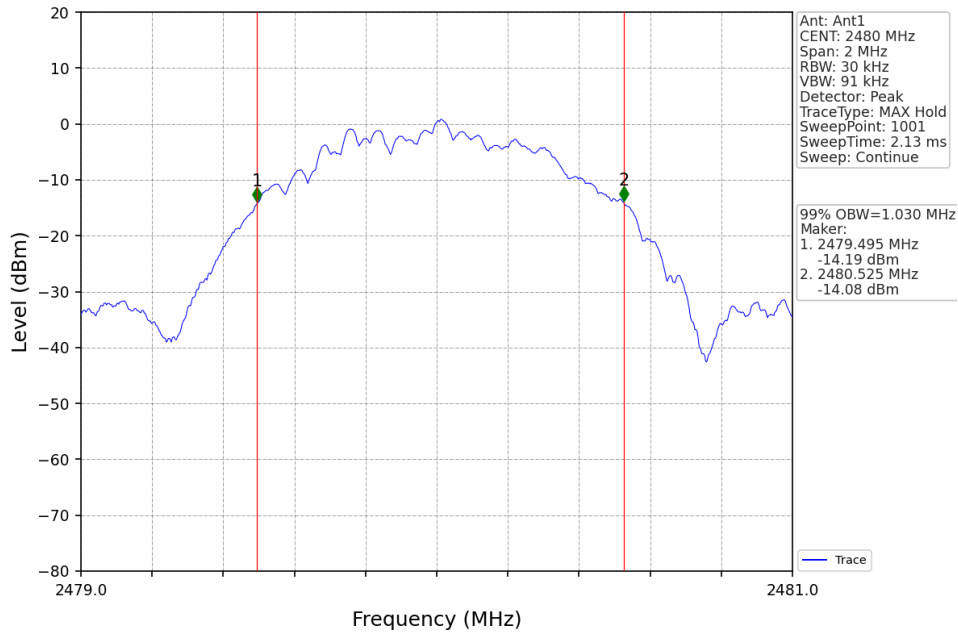
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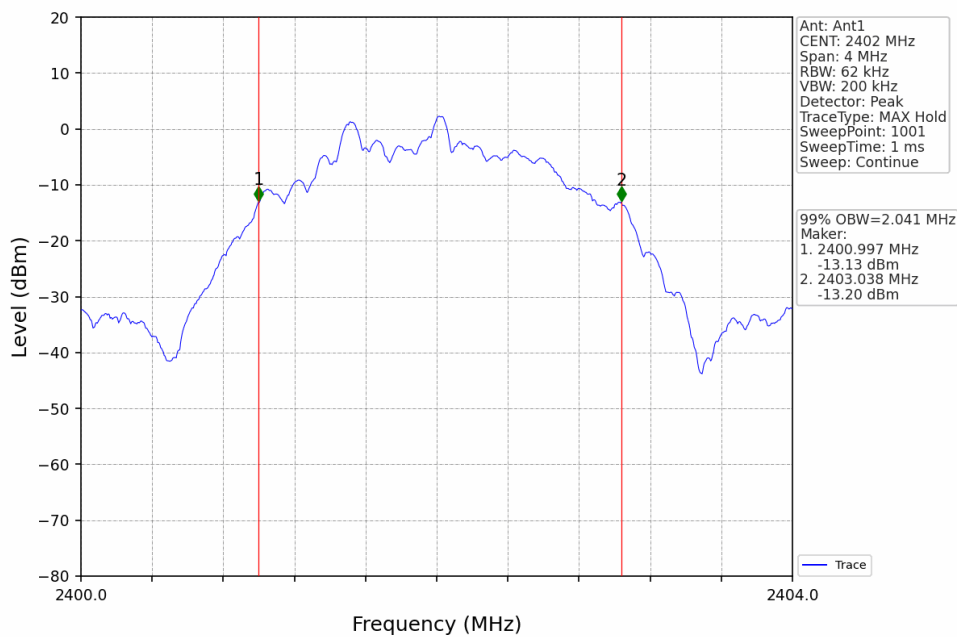
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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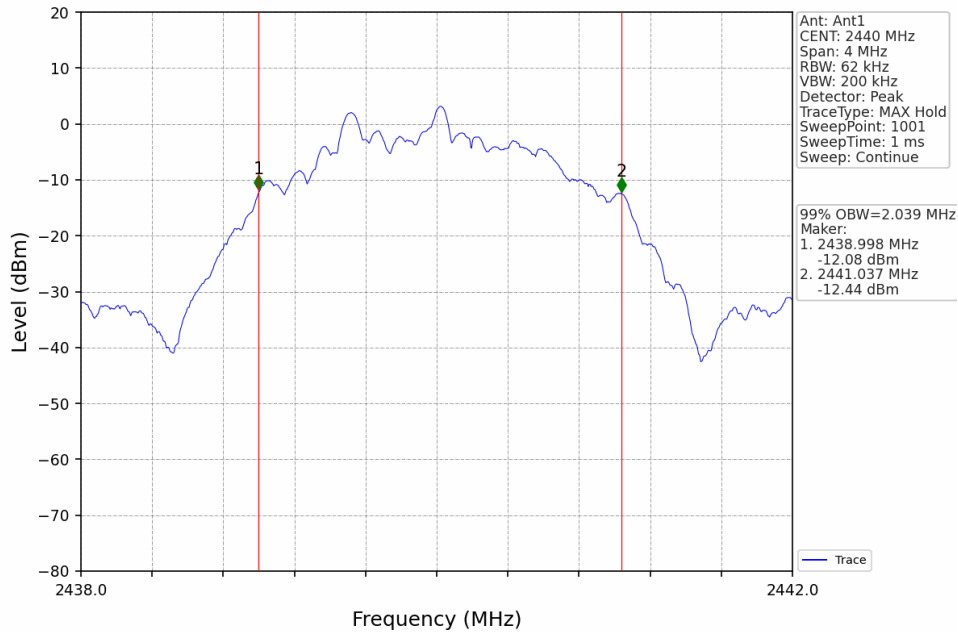
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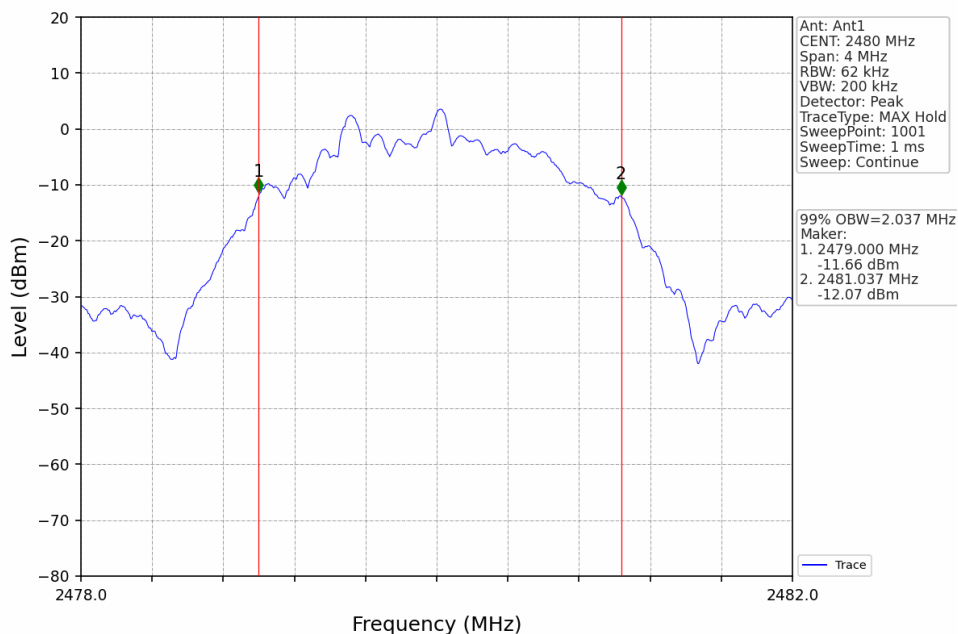
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2M_HCH_2480MHz_Ant1_NTNV



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2.2 6dB BW

2.2.1 Test Result

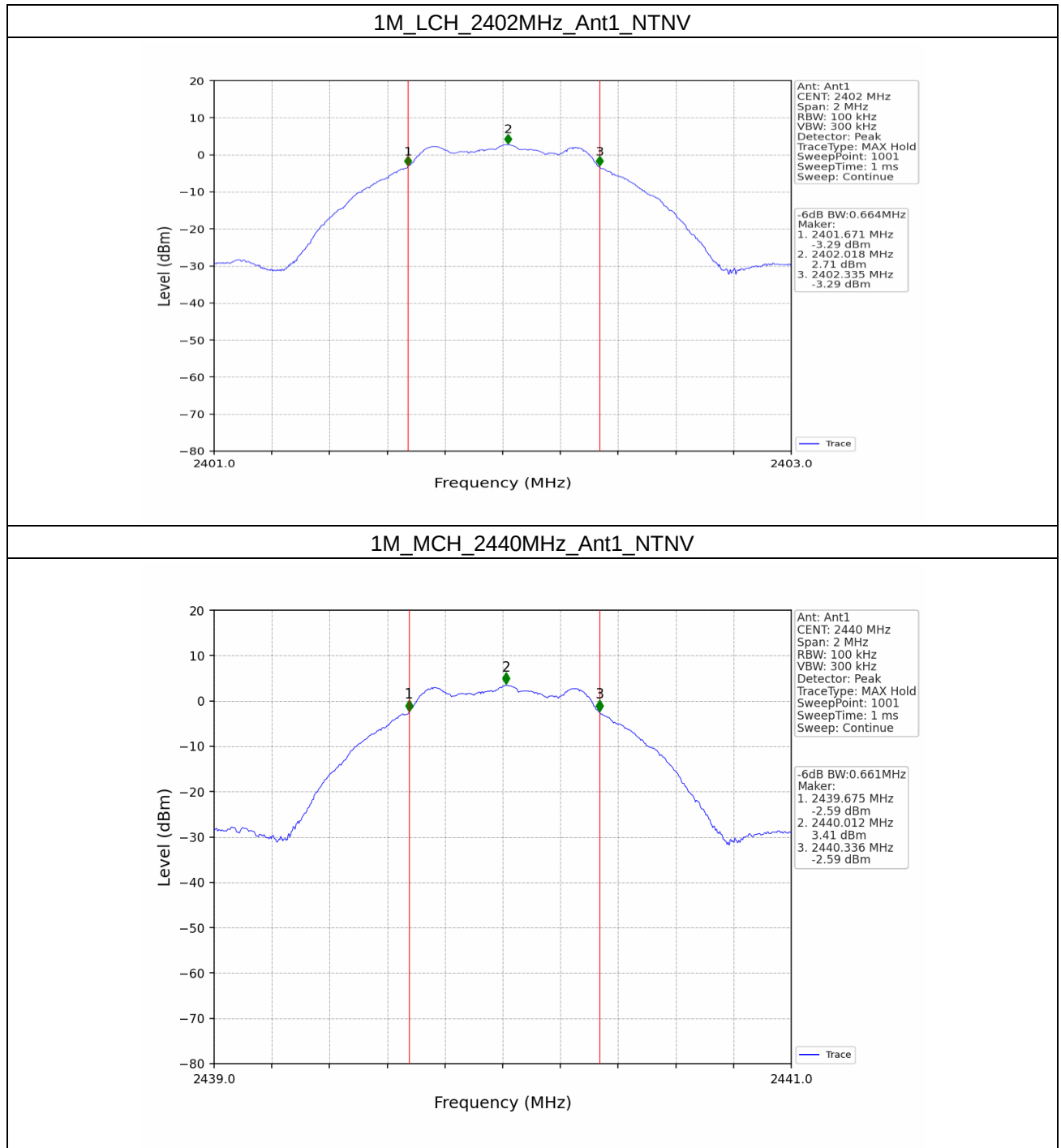
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.664	≥ 0.5	Pass
		2440	1	0.661	≥ 0.5	Pass
		2480	1	0.659	≥ 0.5	Pass
2M	SISO	2402	1	1.154	≥ 0.5	Pass
		2440	1	1.156	≥ 0.5	Pass
		2480	1	1.157	≥ 0.5	Pass



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2.2.2 Test Graph



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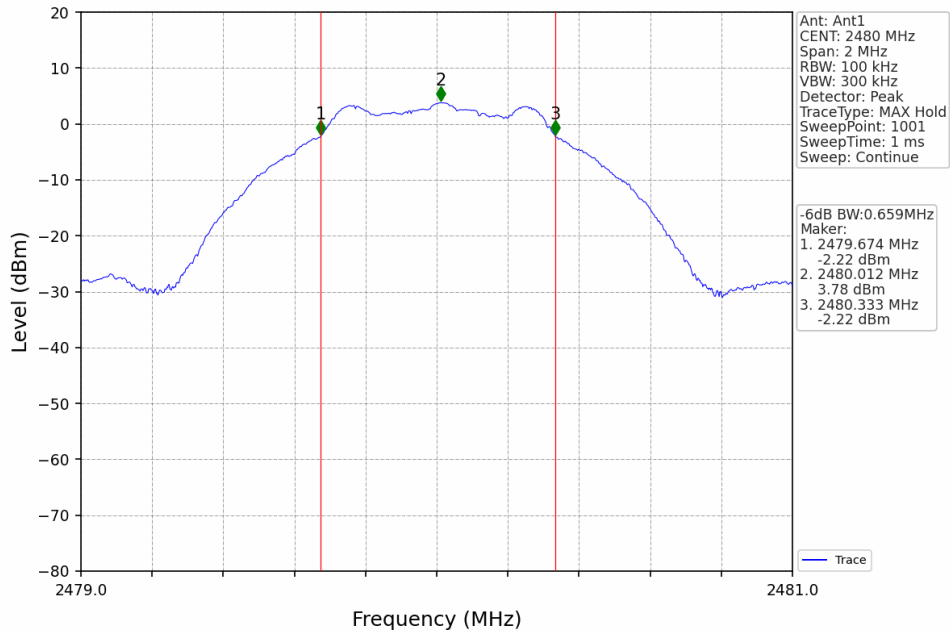
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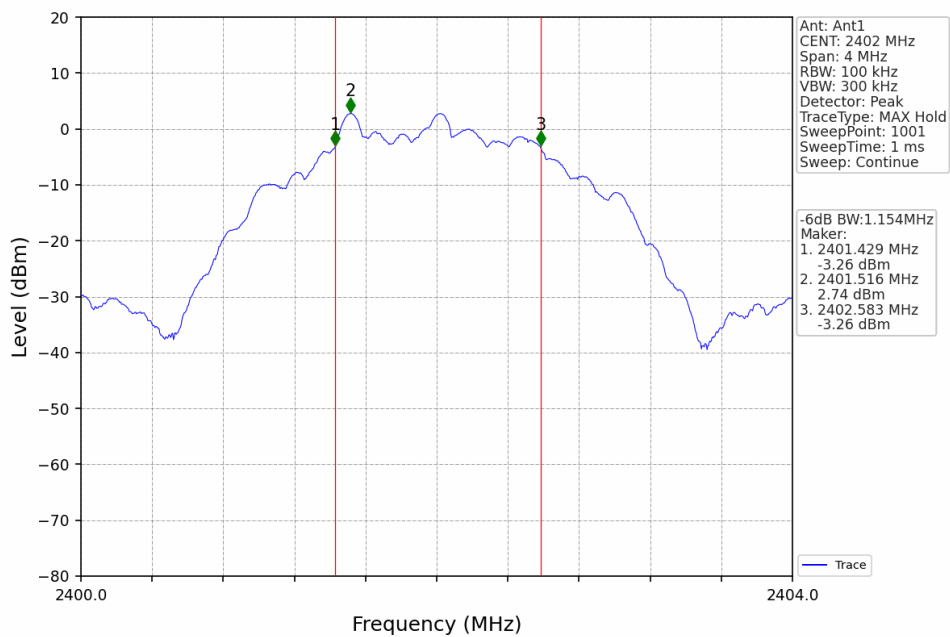
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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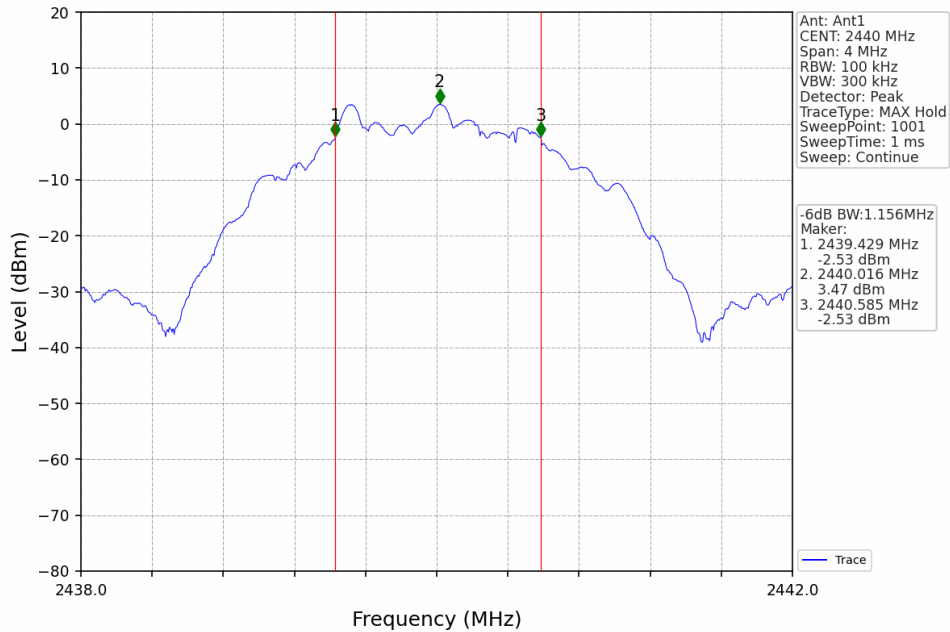
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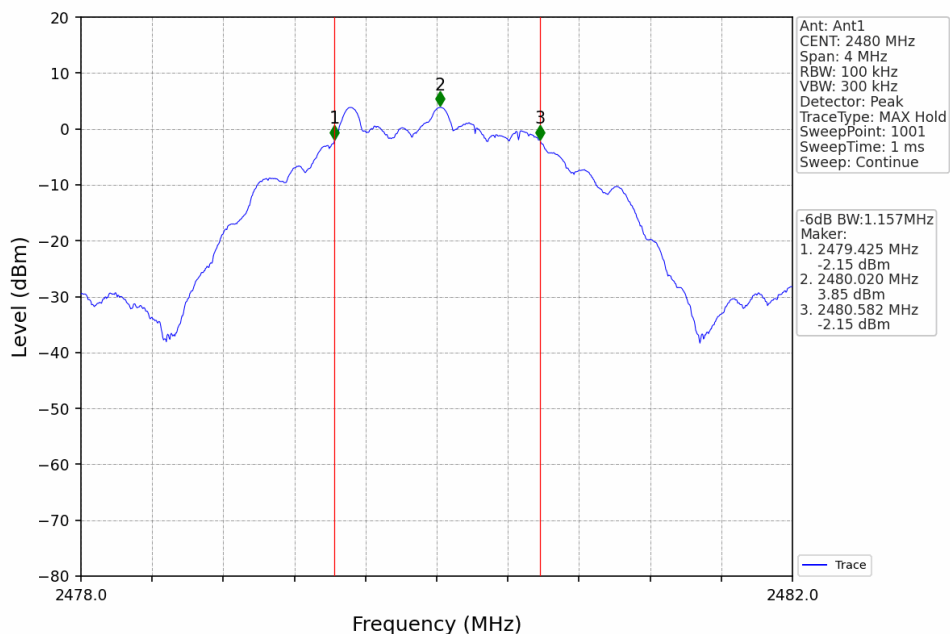
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	2.98	<=30	Pass
		2440	3.66	<=30	Pass
		2480	4.03	<=30	Pass
2M	SISO	2402	3.10	<=30	Pass
		2440	3.80	<=30	Pass
		2480	4.17	<=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
			ANT1	Limit	
1M	SISO	2402	-12.95	<=8	Pass
		2440	-12.37	<=8	Pass
		2480	-11.95	<=8	Pass
2M	SISO	2402	-15.20	<=8	Pass
		2440	-14.37	<=8	Pass
		2480	-13.94	<=8	Pass



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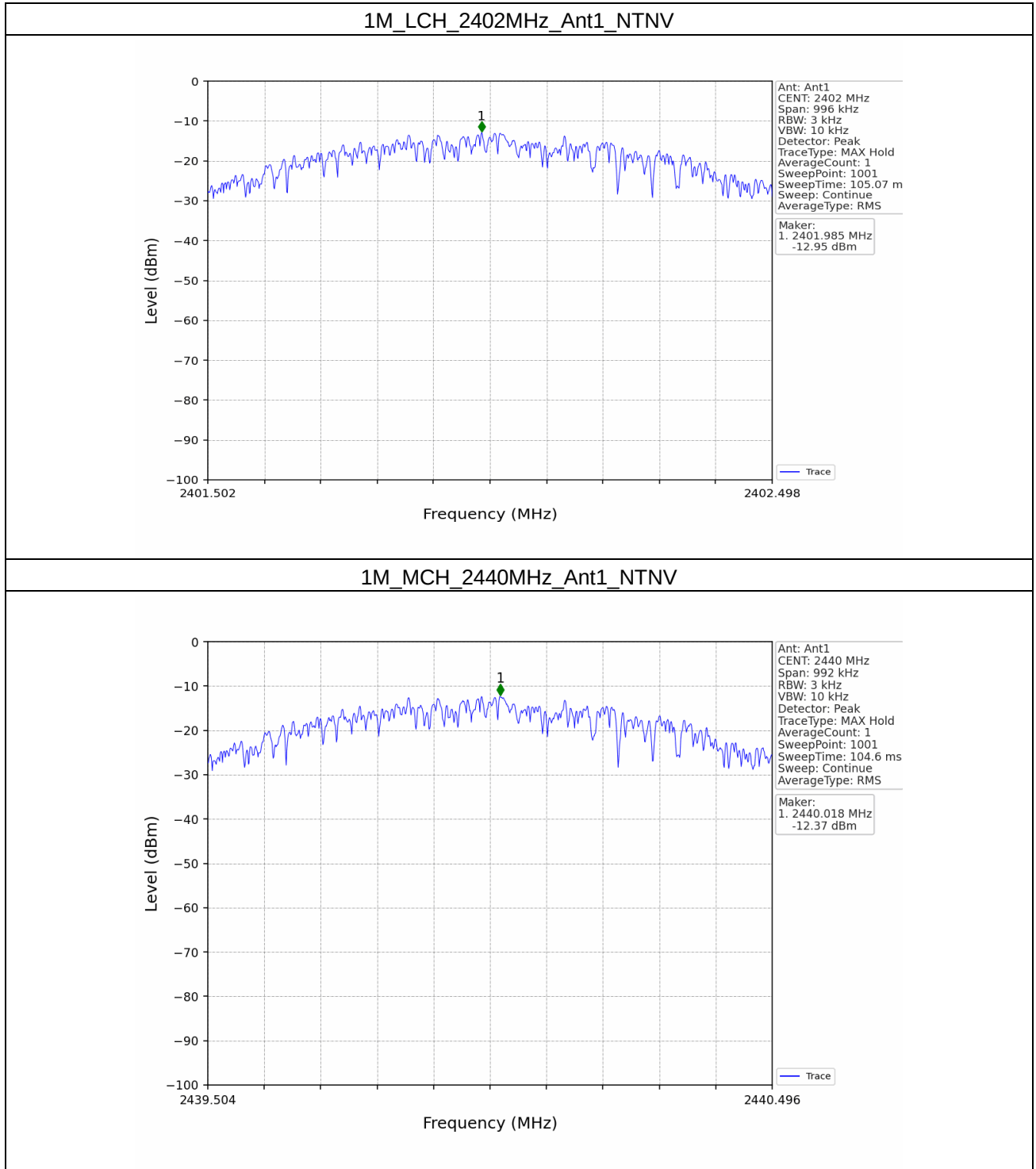
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4.1.2 Test Graph



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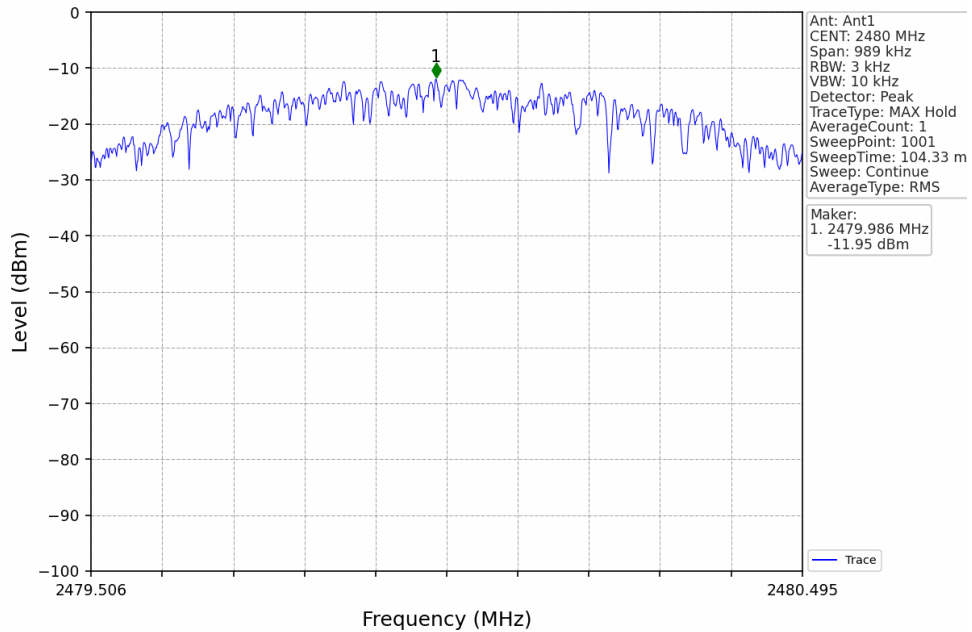
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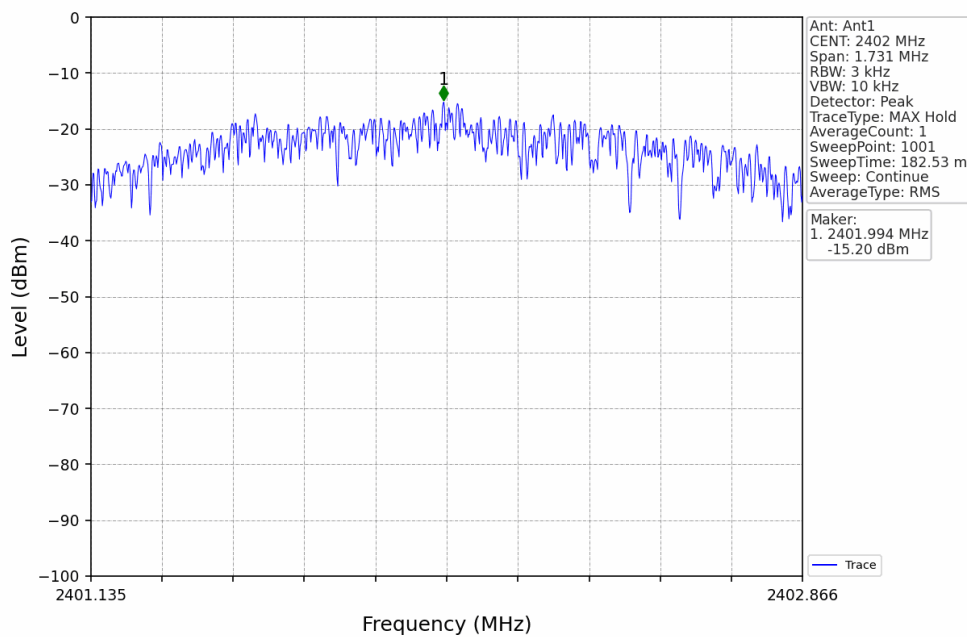
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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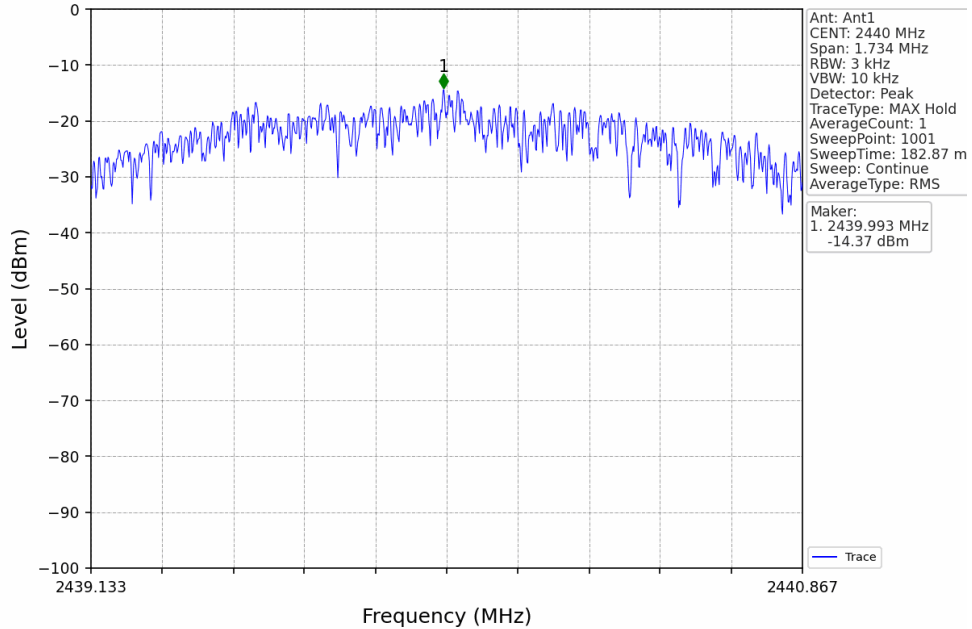
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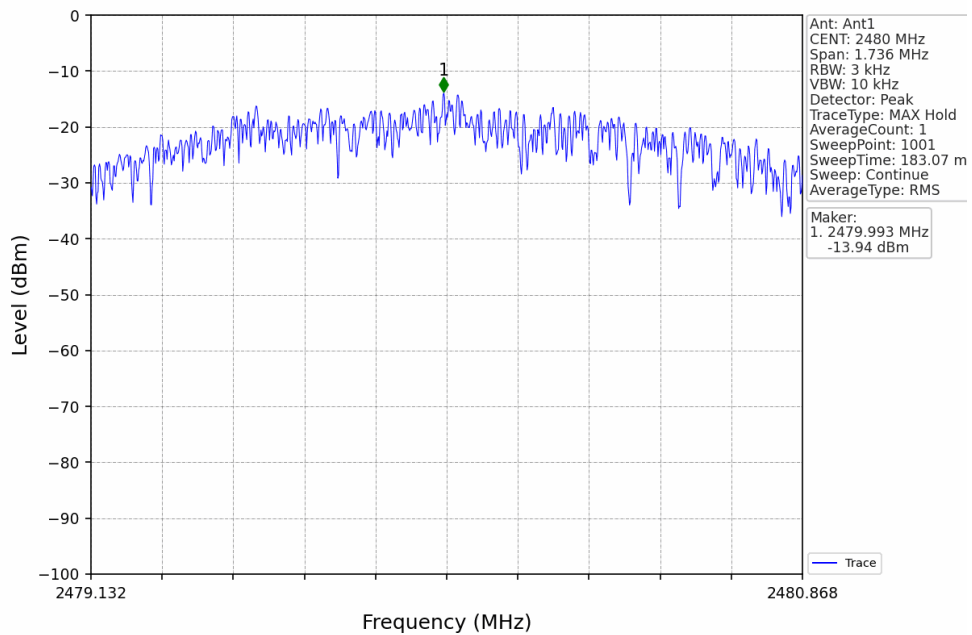
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_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)
1M	SISO	2402	1	2.70
		2440	1	3.39
		2480	1	3.77
2M	SISO	2402	1	2.73
		2440	1	3.44
		2480	1	3.81



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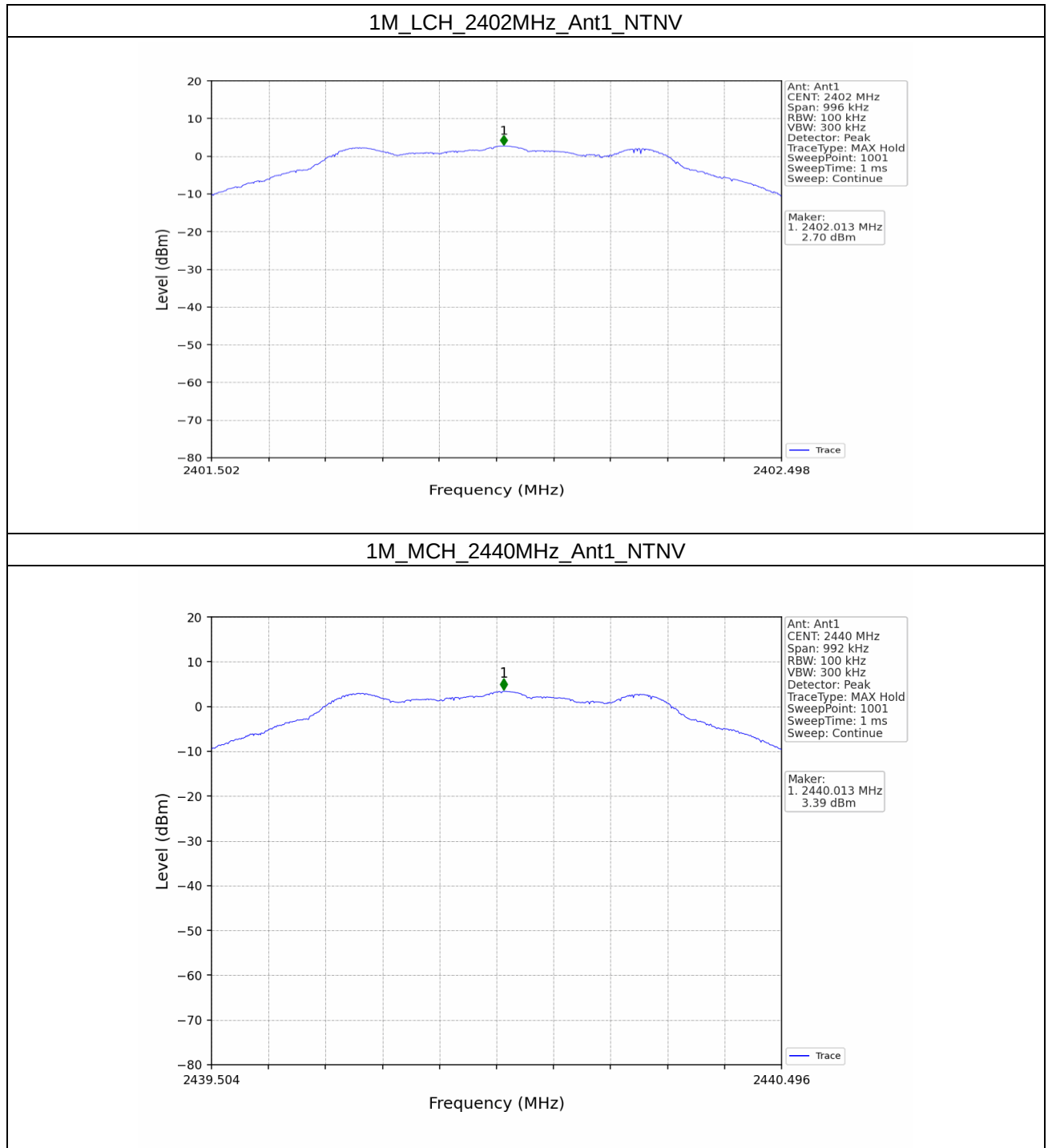
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5.1.2 Test Graph



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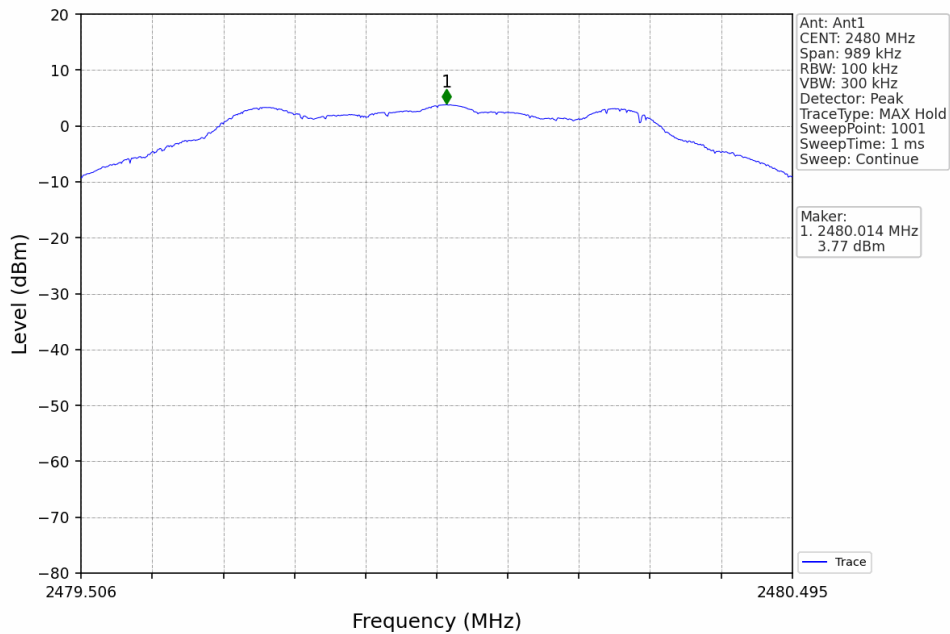
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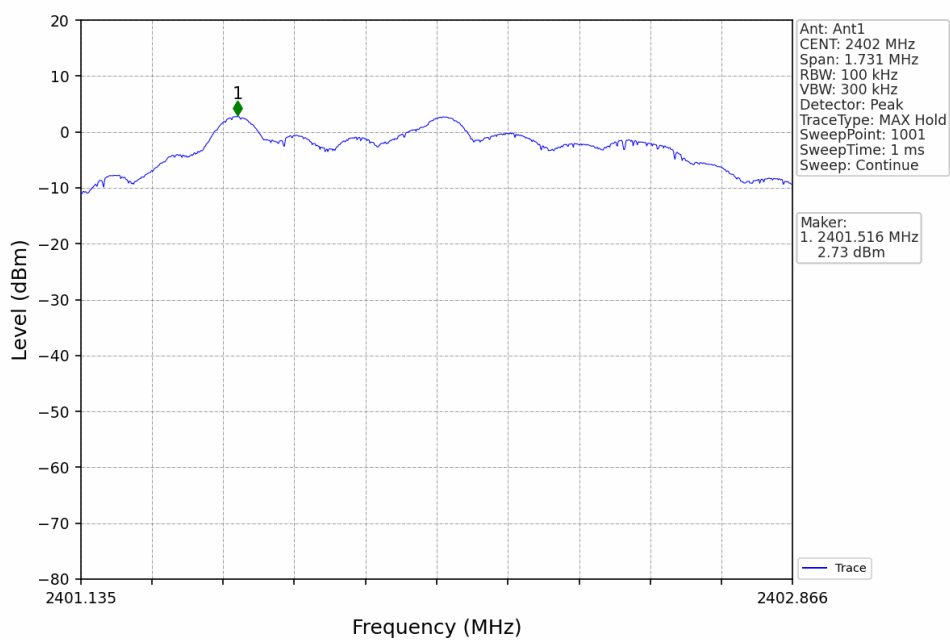
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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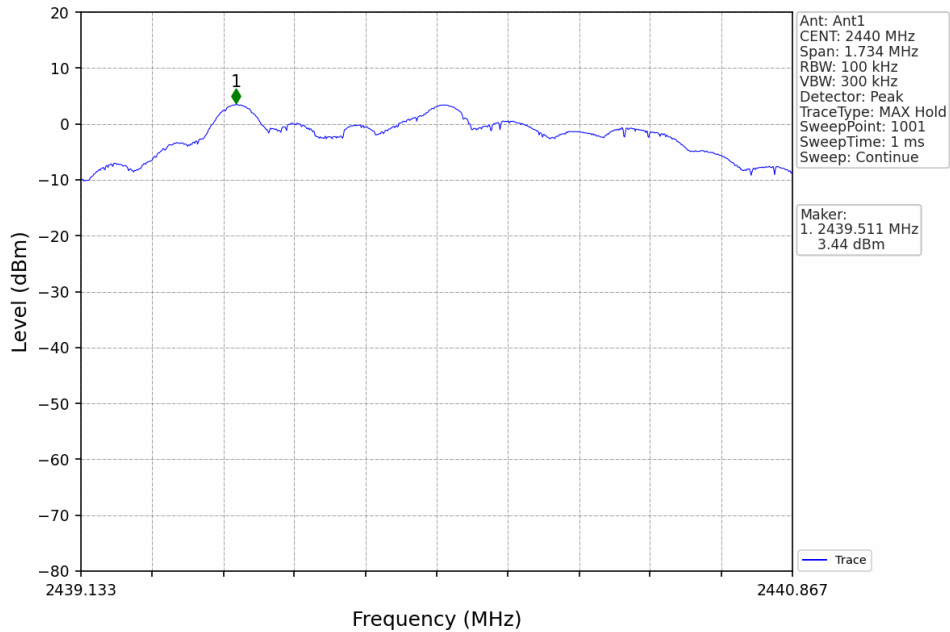
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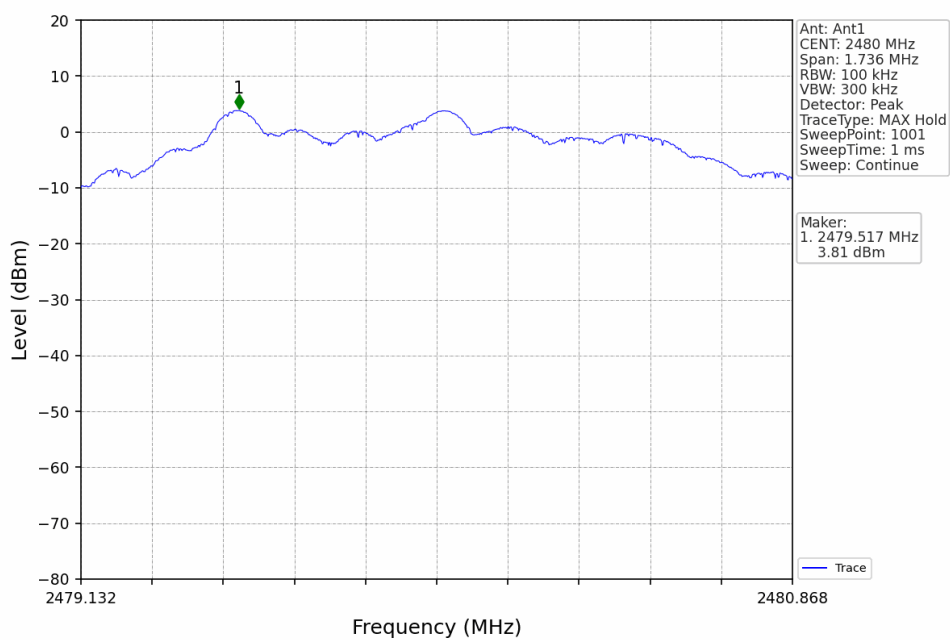
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	3.77	-16.23	Pass
		2440	1	3.77	-16.23	Pass
		2480	1	3.77	-16.23	Pass
2M	SISO	2402	1	3.81	-16.19	Pass
		2440	1	3.81	-16.19	Pass
		2480	1	3.81	-16.19	Pass



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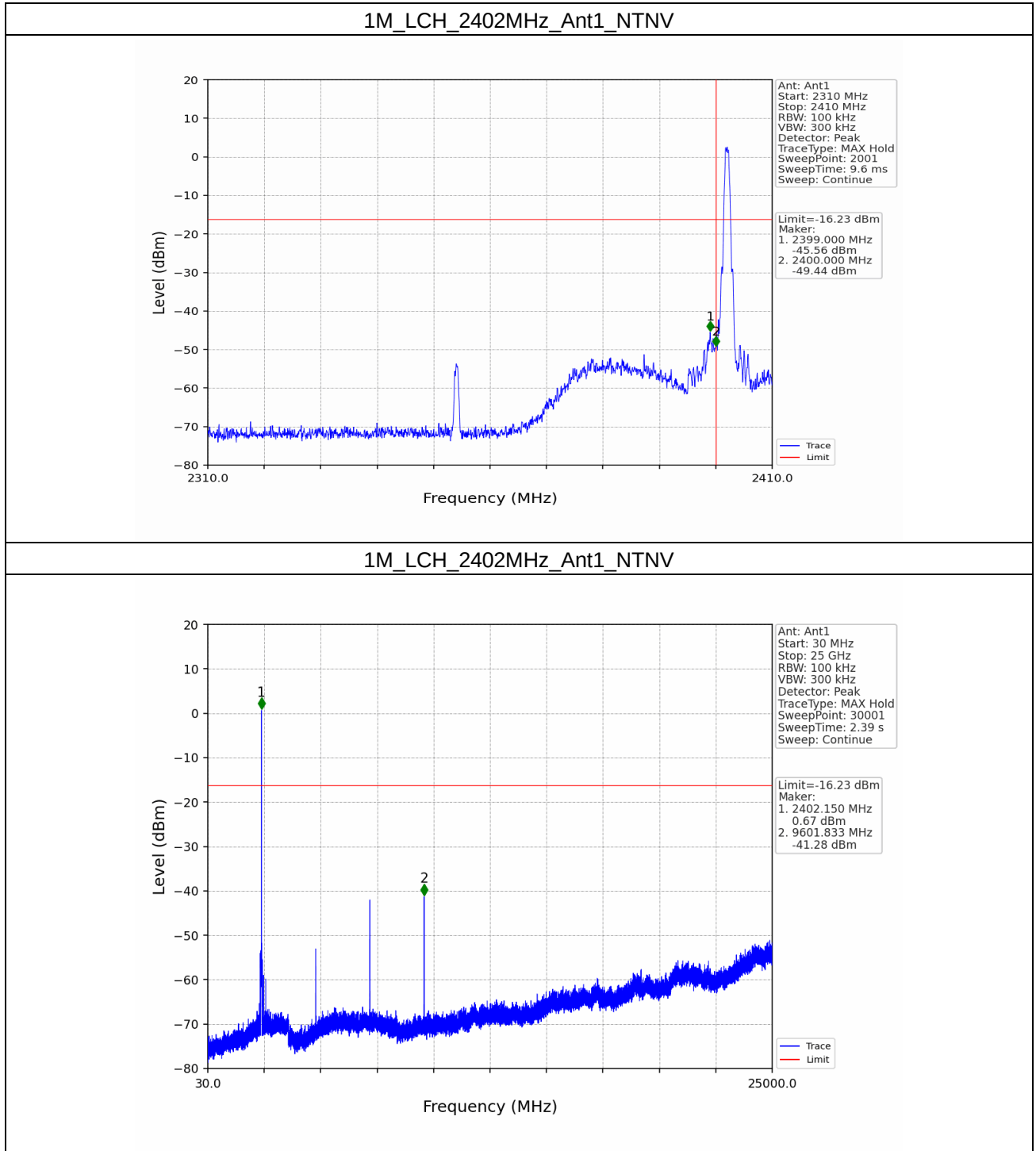
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5.2.2 Test Graph



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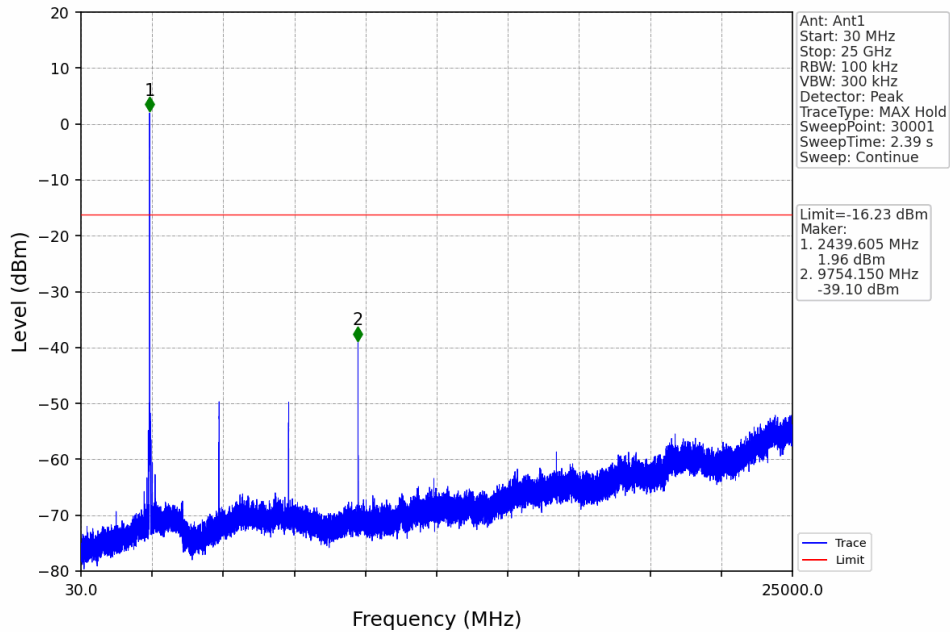
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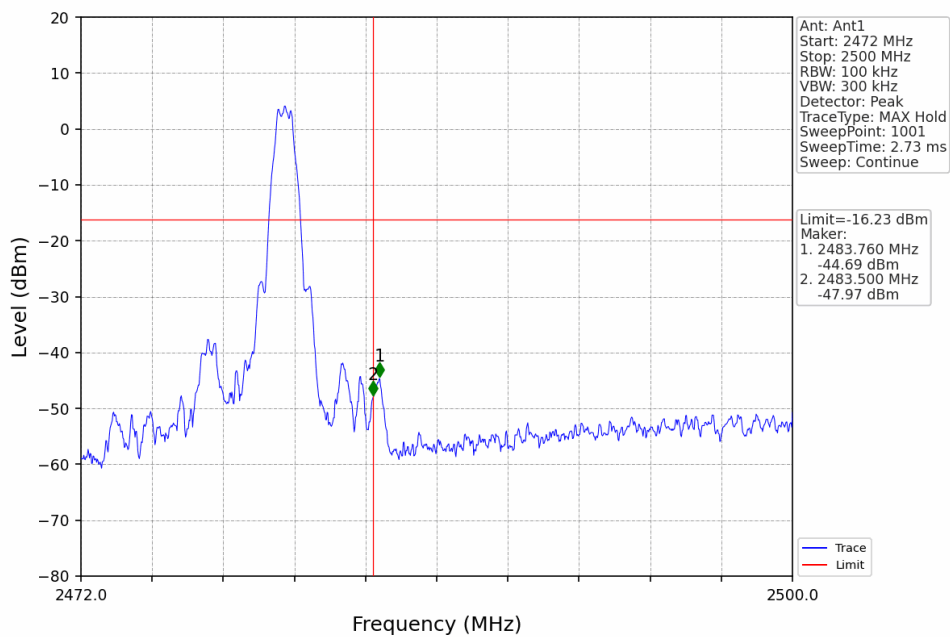
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1M_MCH_2440MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



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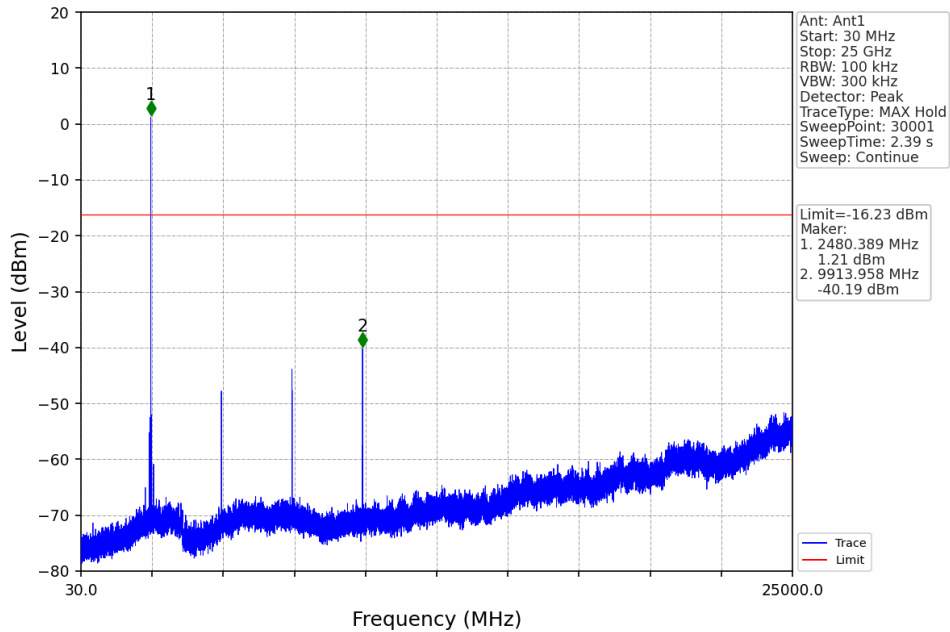
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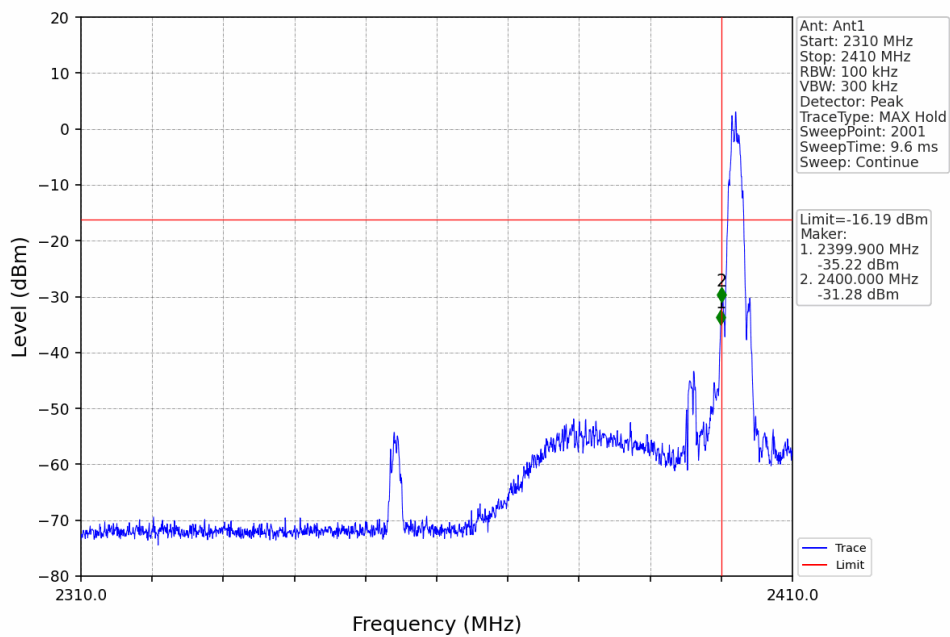
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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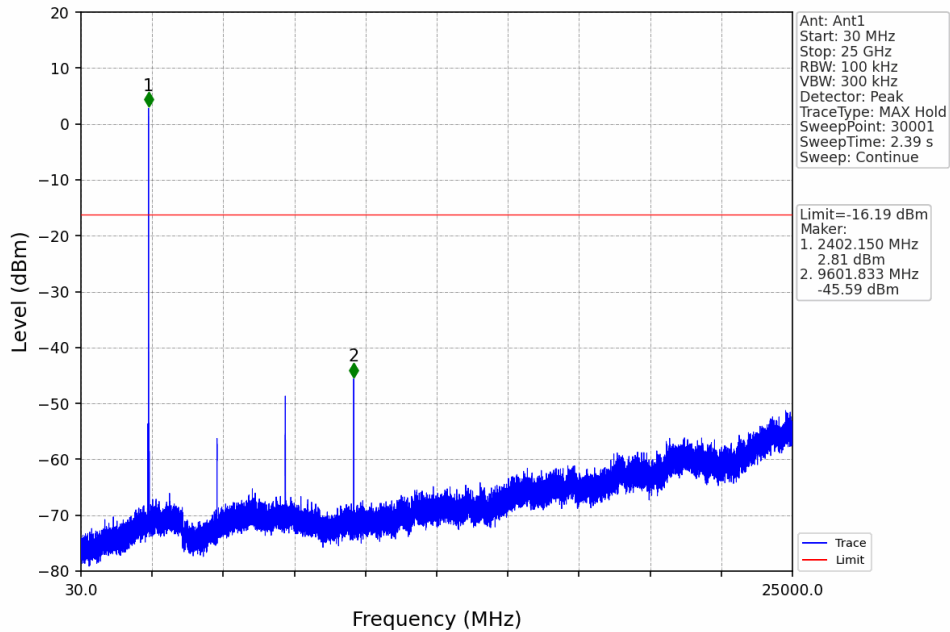
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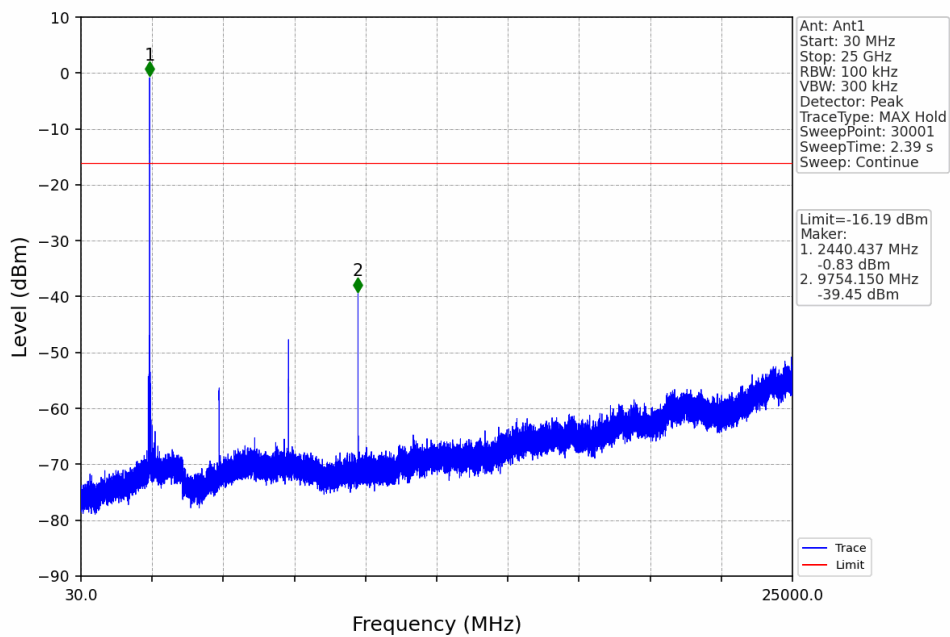
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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV



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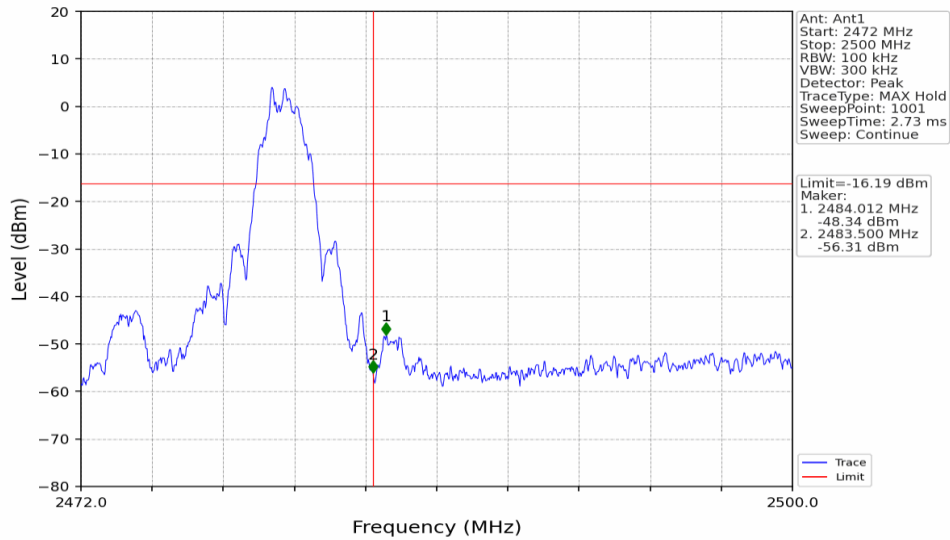
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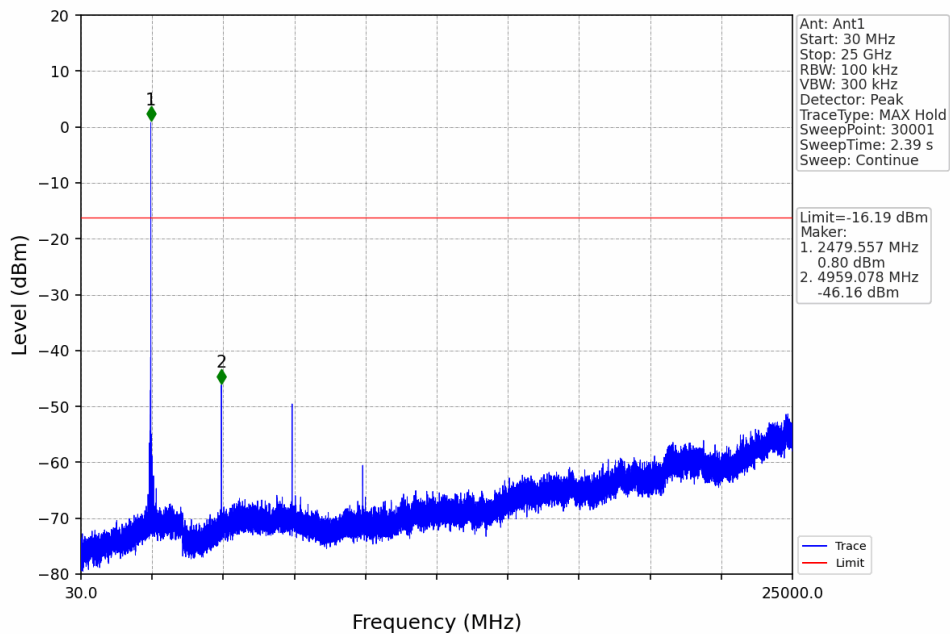
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2M_HCH_2480MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



- End of the Report -



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