

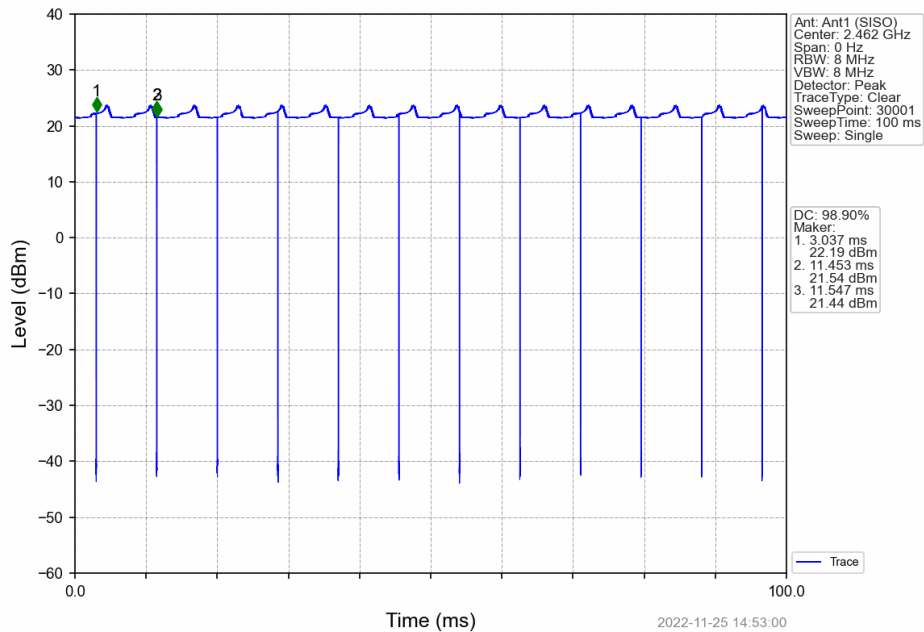
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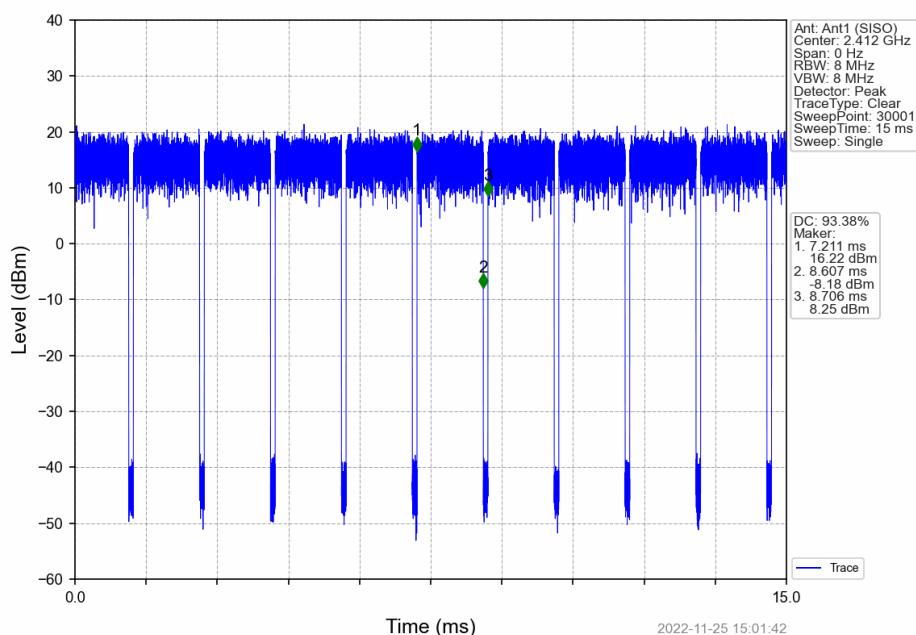
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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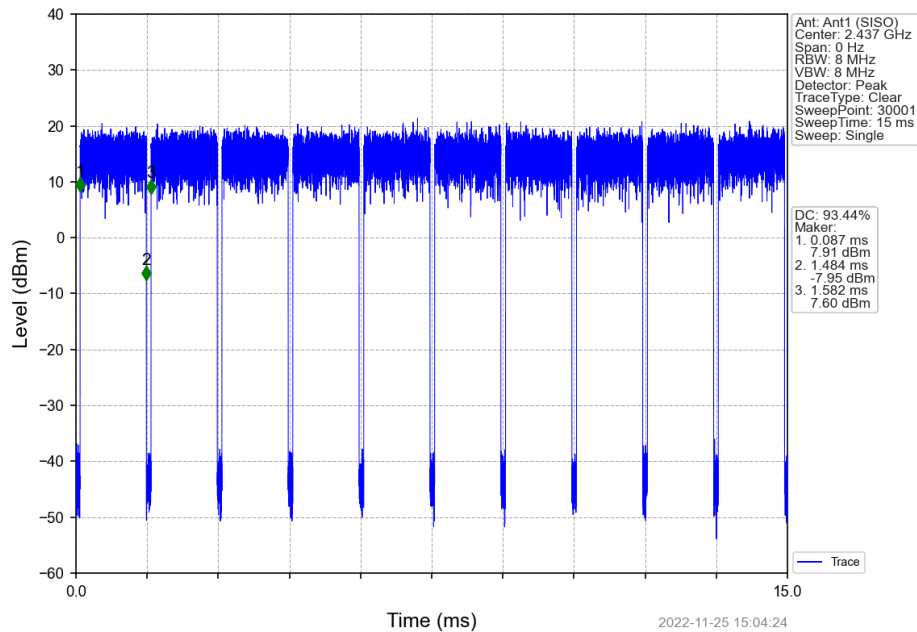
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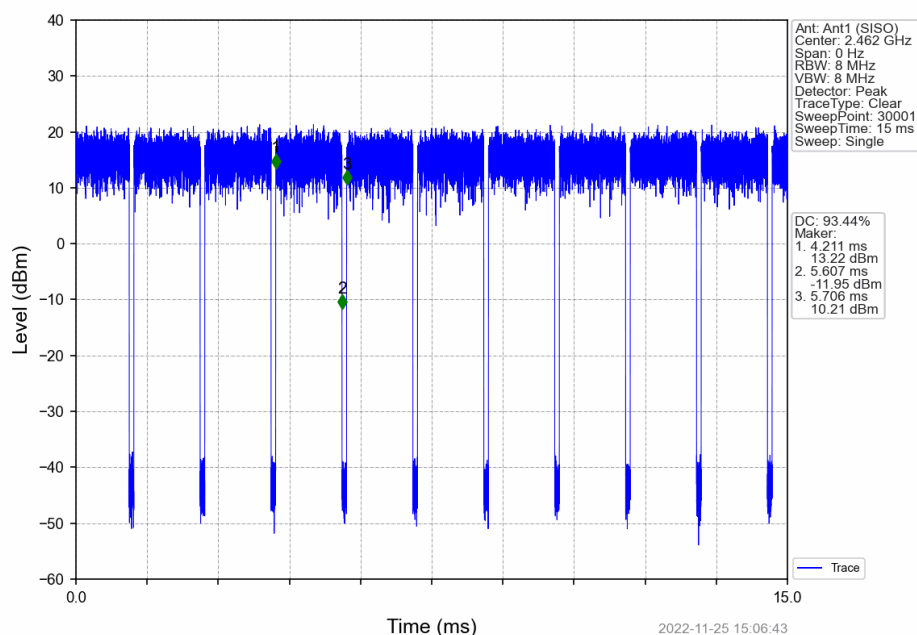
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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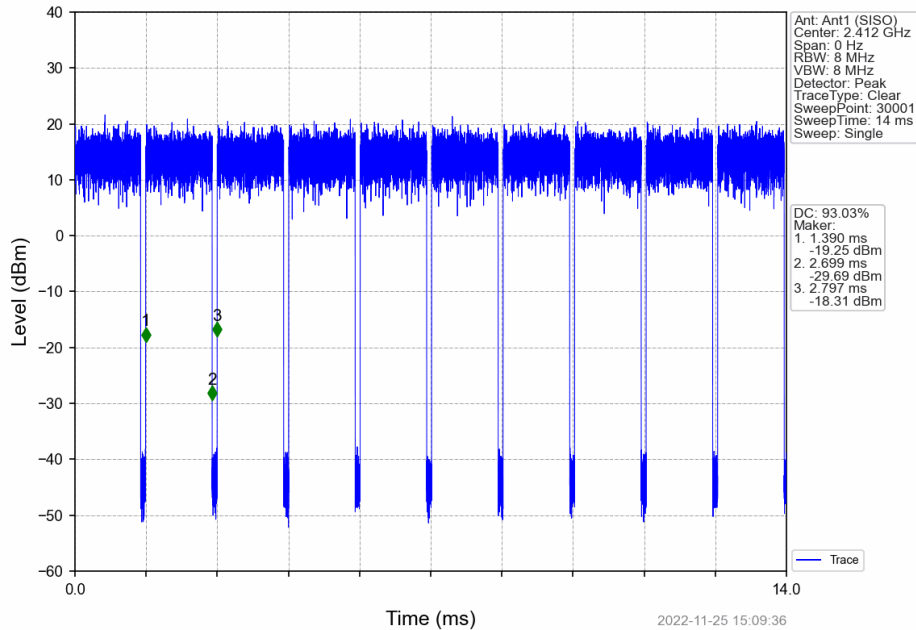
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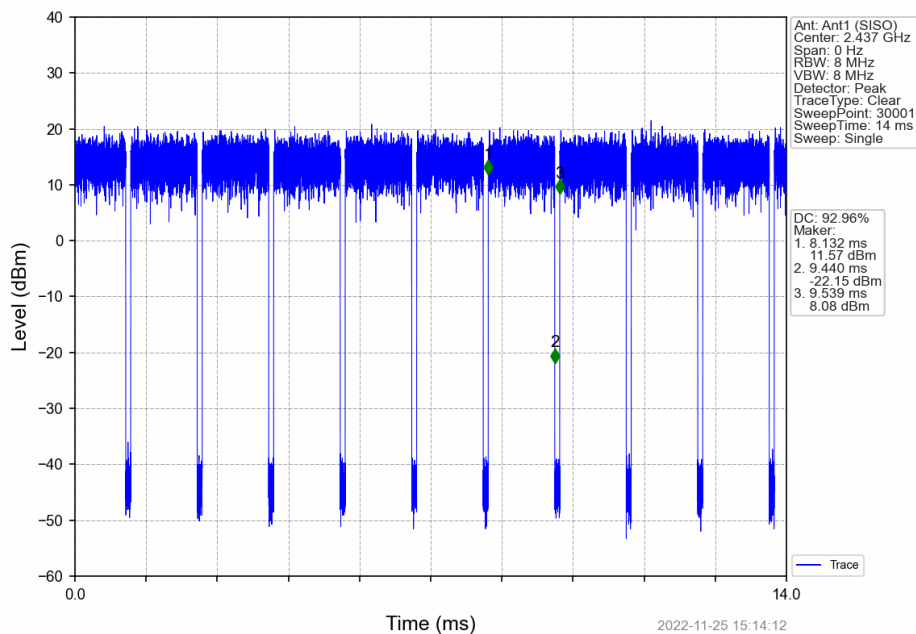
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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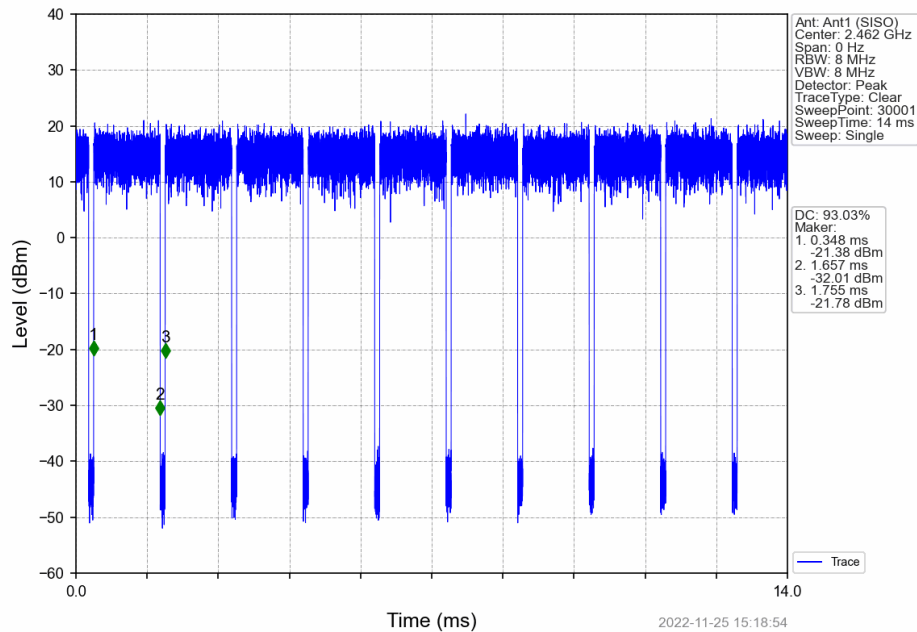
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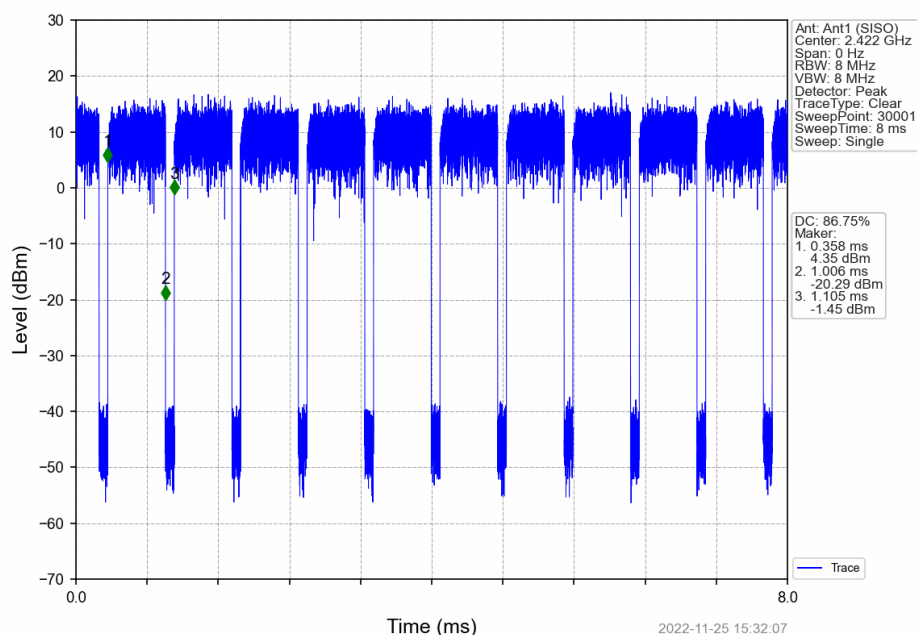
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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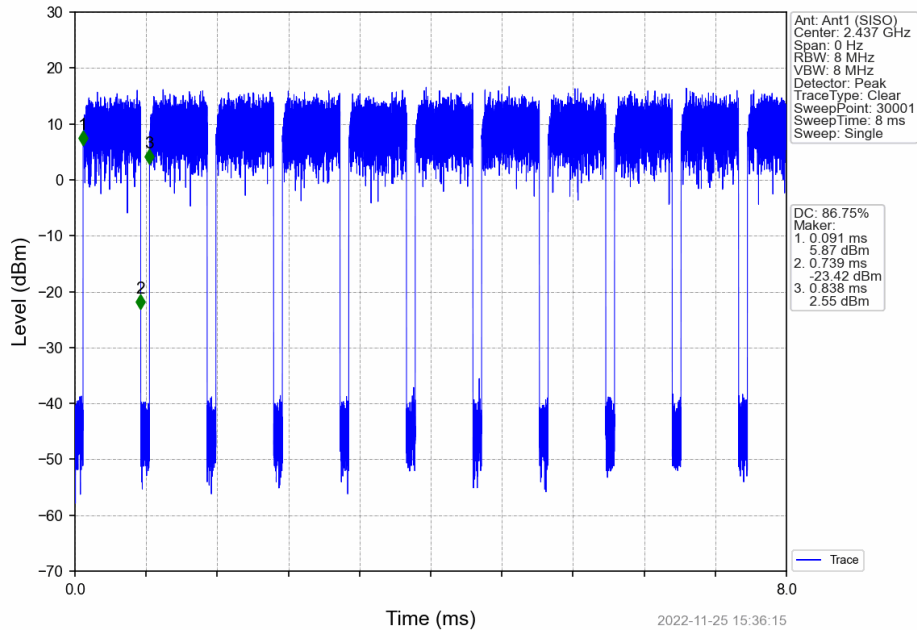
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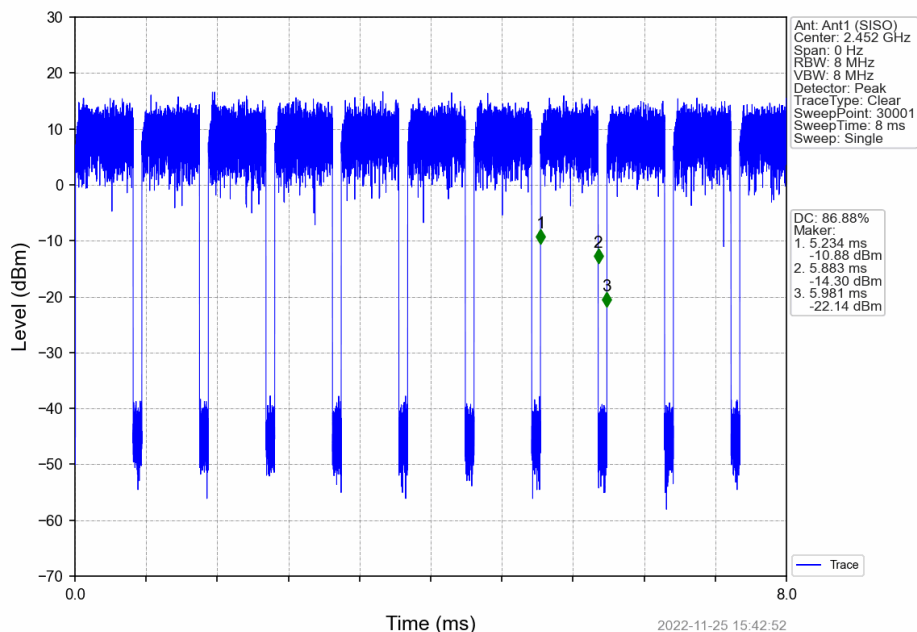
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.643	≥ 0.5	Pass
		2437	1	9.579	≥ 0.5	Pass
		2462	1	9.095	≥ 0.5	Pass
802.11g	SISO	2412	1	16.413	≥ 0.5	Pass
		2437	1	16.398	≥ 0.5	Pass
		2462	1	16.378	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.394	≥ 0.5	Pass
		2437	1	17.157	≥ 0.5	Pass
		2462	1	17.184	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.686	≥ 0.5	Pass
		2437	1	35.547	≥ 0.5	Pass
		2452	1	35.166	≥ 0.5	Pass



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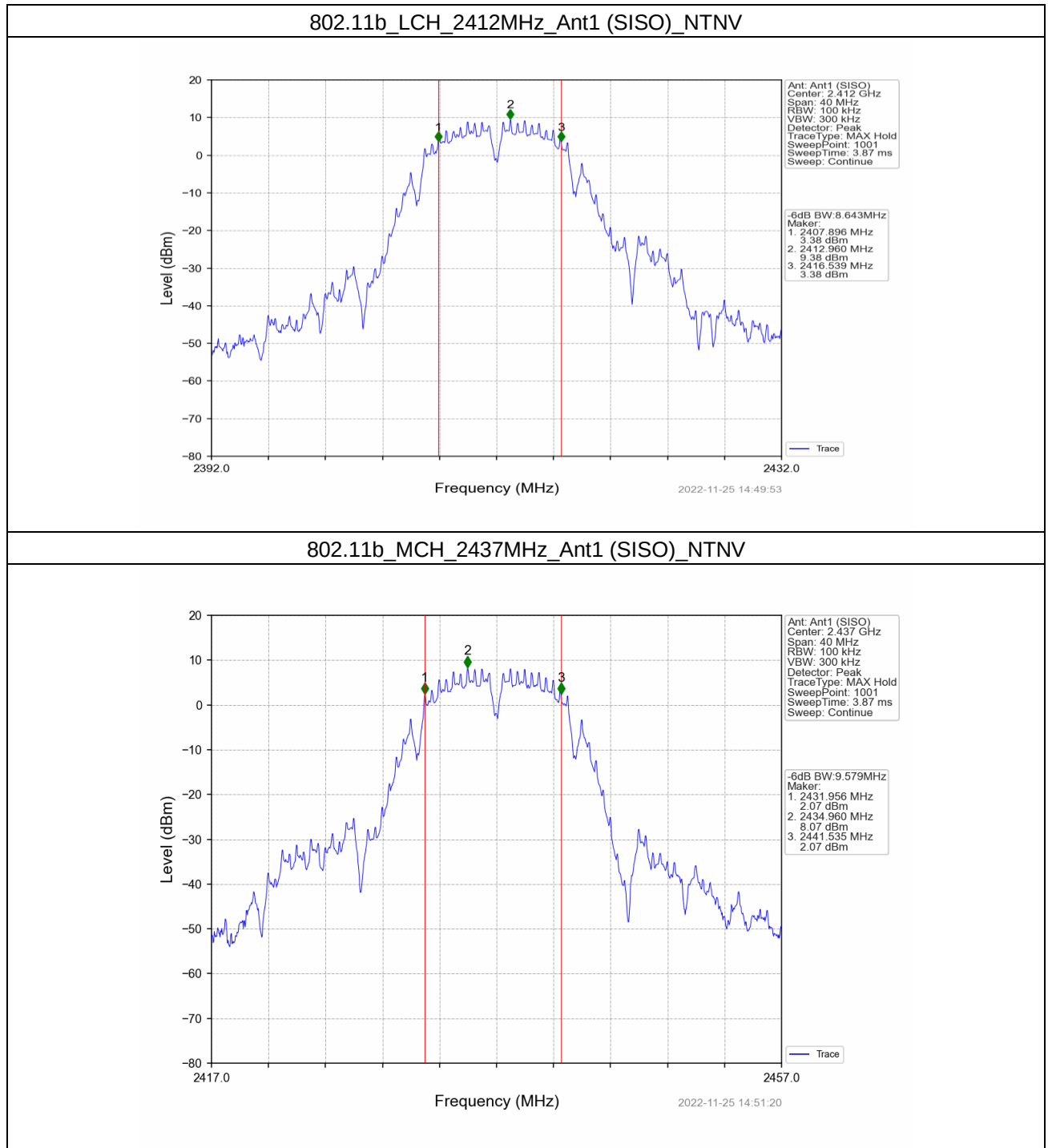
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2.1.2 Test Graph



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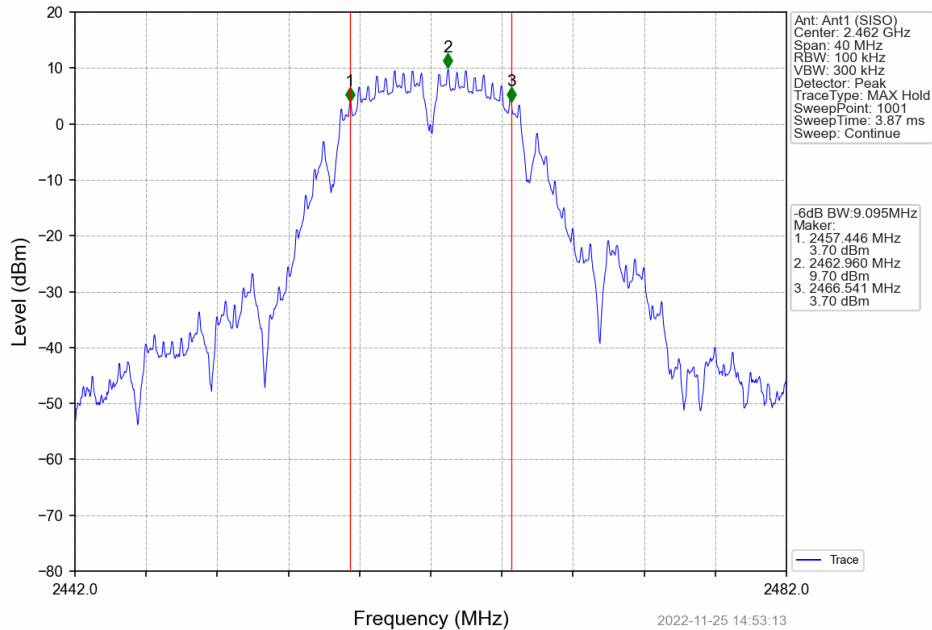
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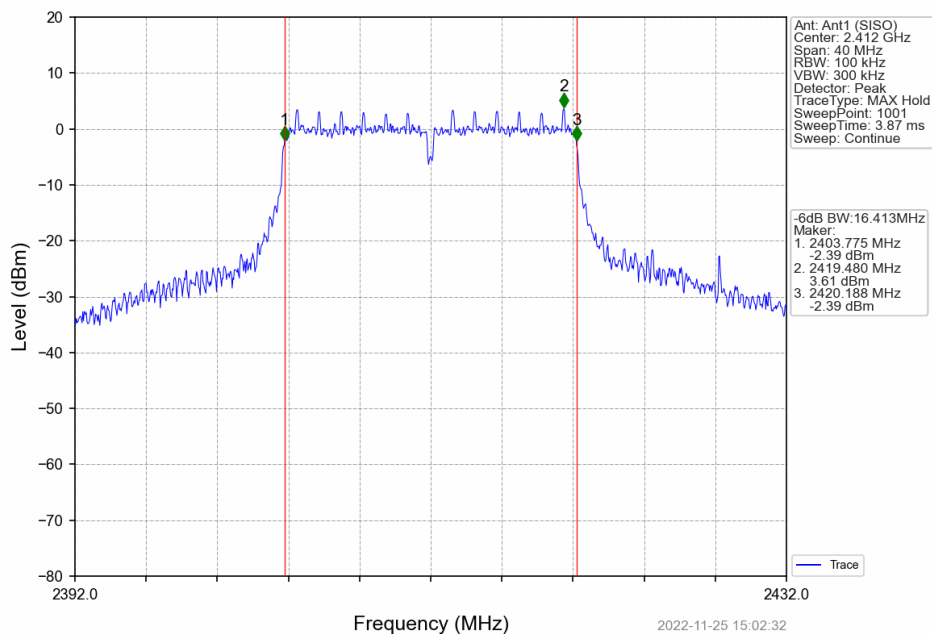
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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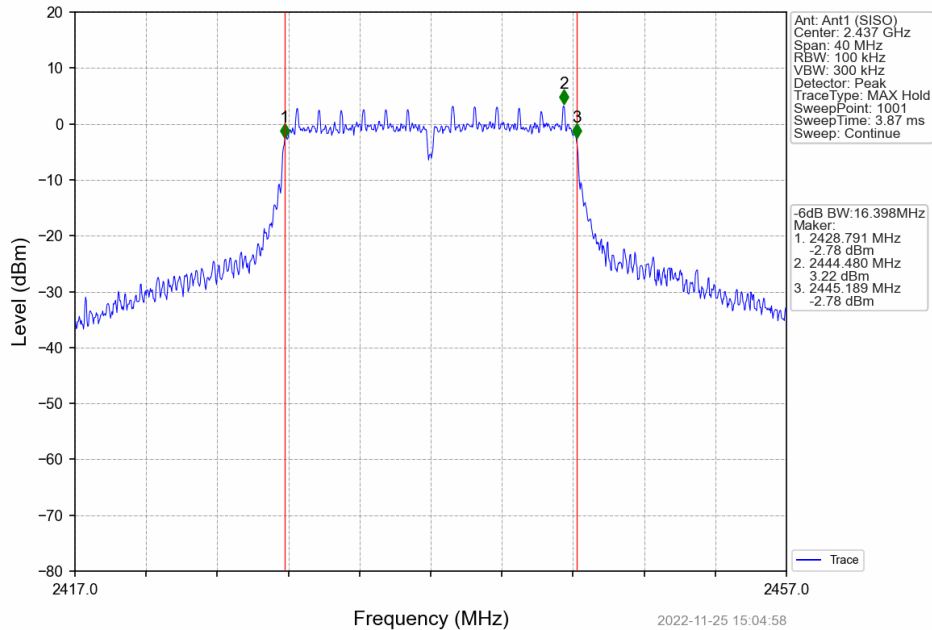
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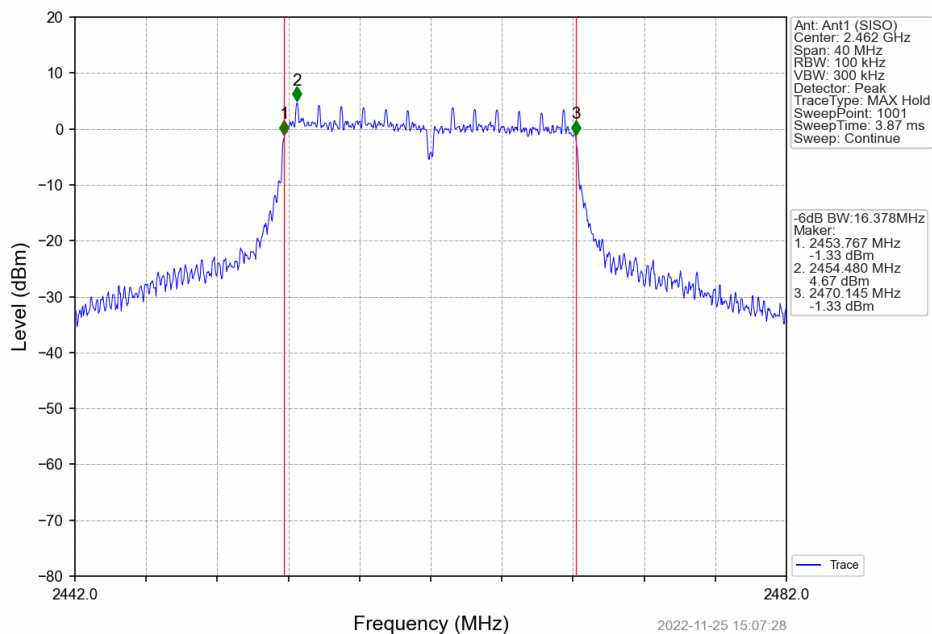
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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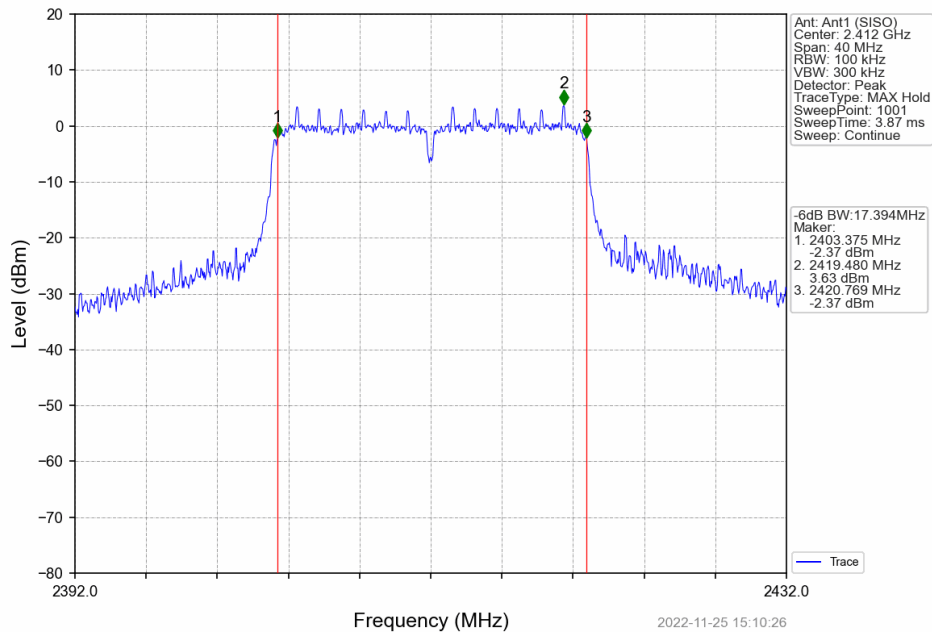
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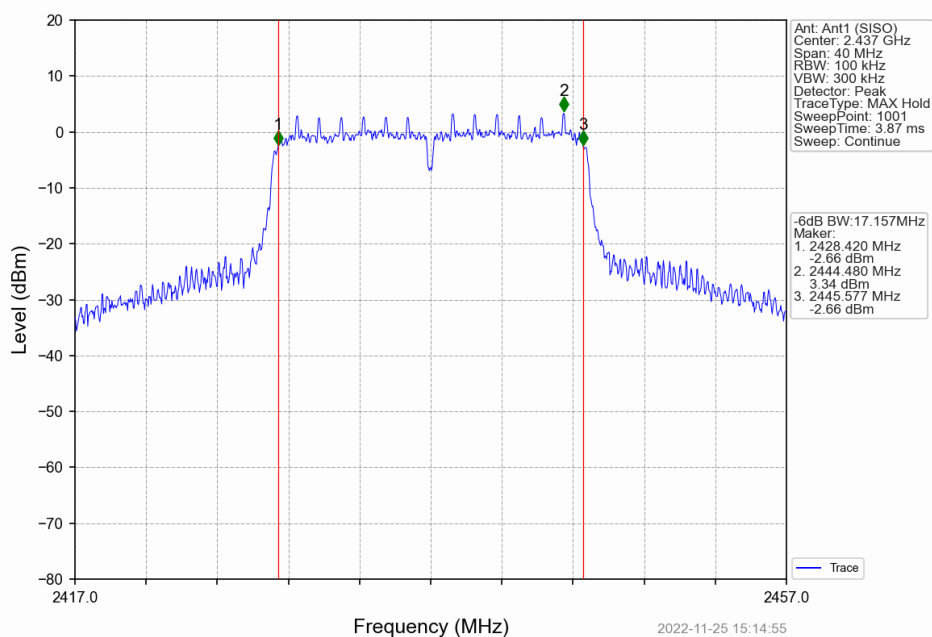
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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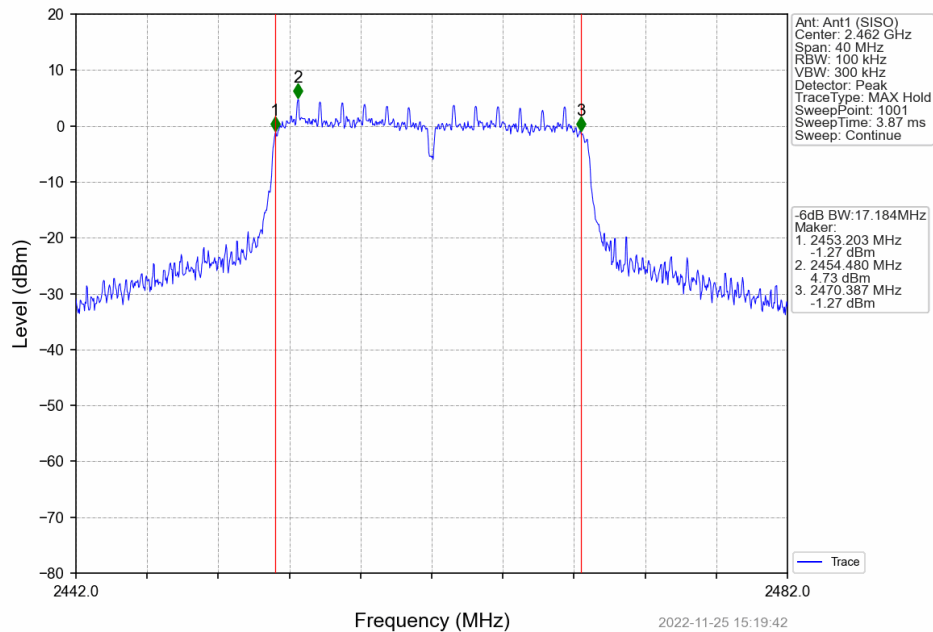
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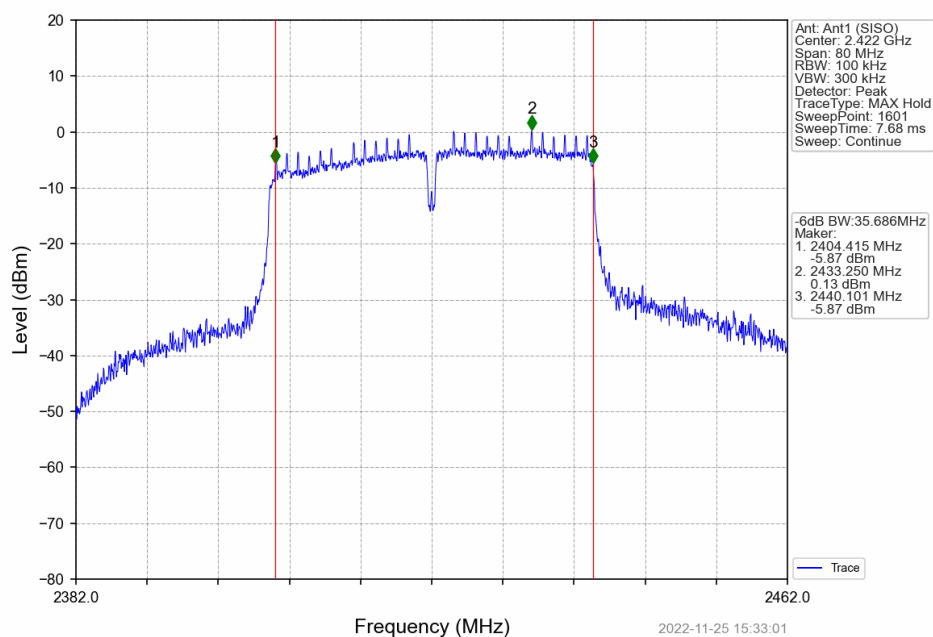
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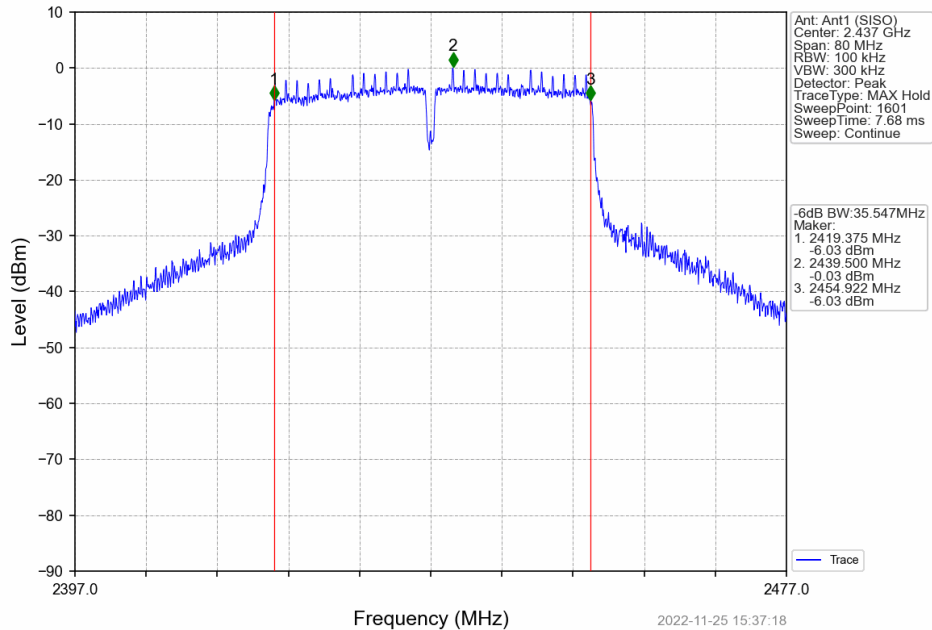
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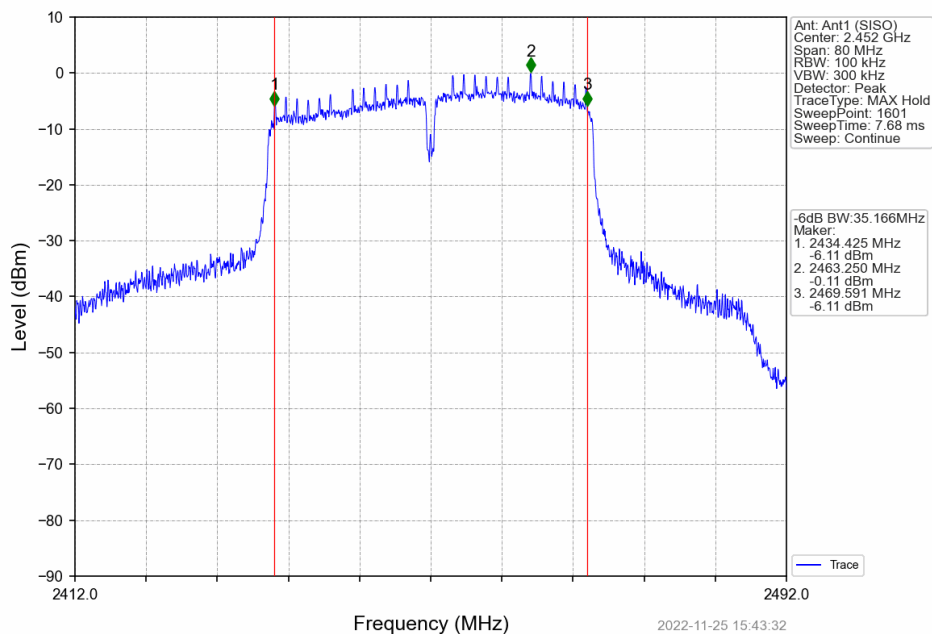
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_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
			ANT1	Limit	
802.11b	SISO	2412	13.61	<=30	Pass
		2437	13.19	<=30	Pass
		2462	13.99	<=30	Pass
802.11g	SISO	2412	12.98	<=30	Pass
		2437	12.80	<=30	Pass
		2462	13.44	<=30	Pass
802.11n (HT20)	SISO	2412	13.00	<=30	Pass
		2437	12.88	<=30	Pass
		2462	13.51	<=30	Pass
802.11n (HT40)	SISO	2422	11.79	<=30	Pass
		2437	11.92	<=30	Pass
		2452	11.05	<=30	Pass



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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	Limit	
802.11b	SISO	2412	-8.45	<=8	Pass
		2437	-6.99	<=8	Pass
		2462	-4.84	<=8	Pass
802.11g	SISO	2412	-11.96	<=8	Pass
		2437	-11.65	<=8	Pass
		2462	-11.45	<=8	Pass
802.11n (HT20)	SISO	2412	-11.73	<=8	Pass
		2437	-11.77	<=8	Pass
		2462	-10.93	<=8	Pass
802.11n (HT40)	SISO	2422	-15.86	<=8	Pass
		2437	-15.46	<=8	Pass
		2452	-15.86	<=8	Pass



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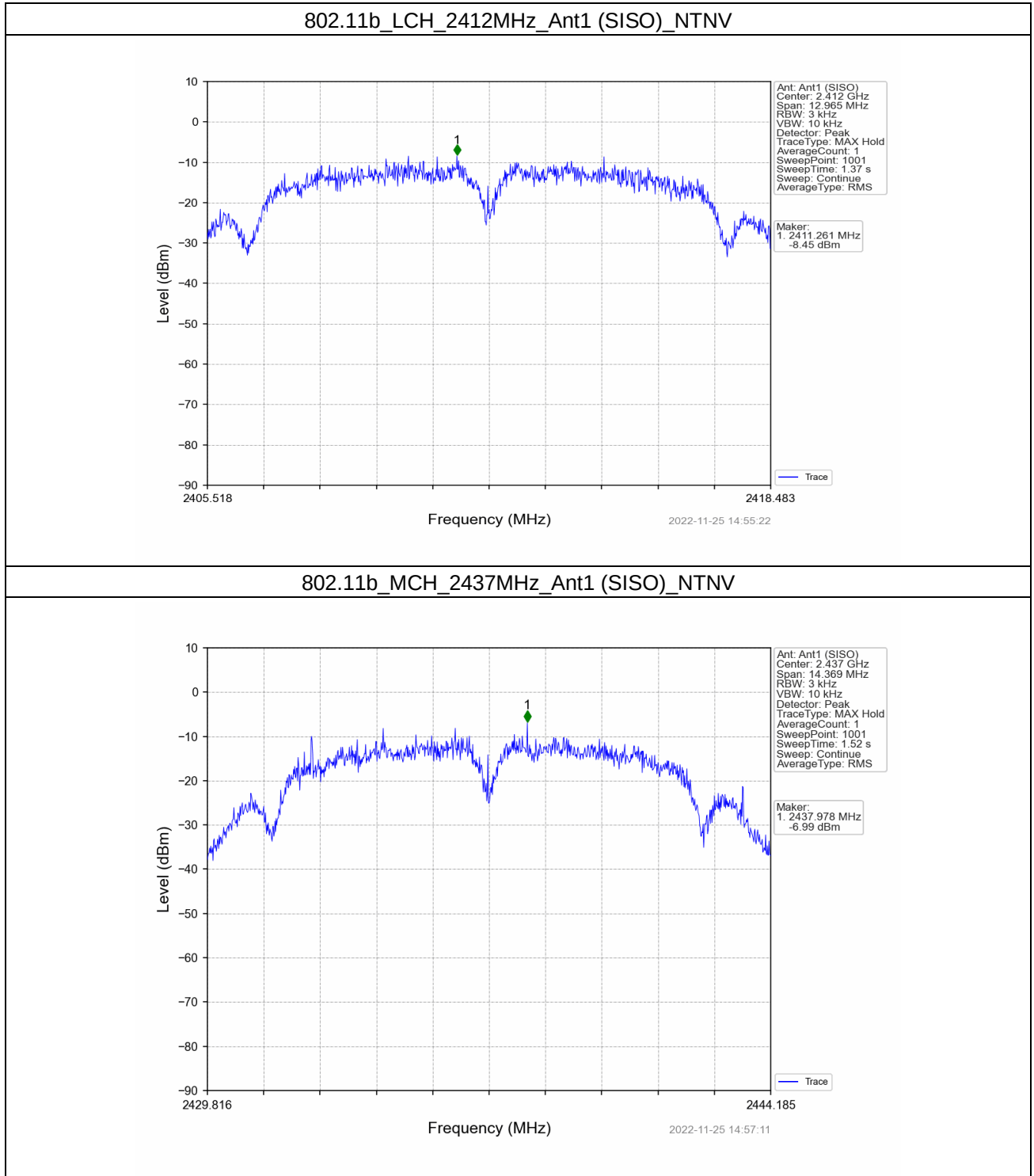
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4.1.2 Test Graph



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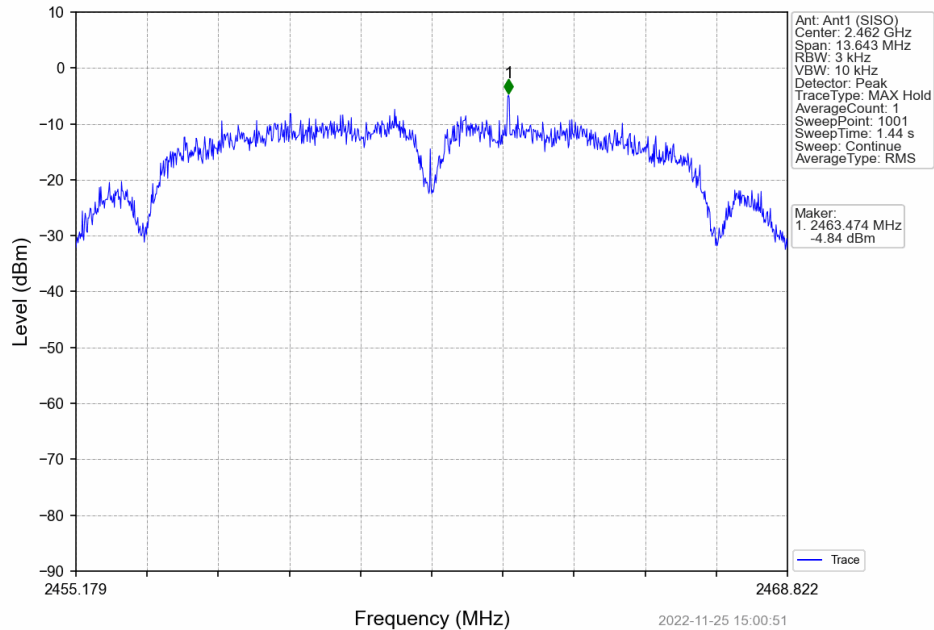
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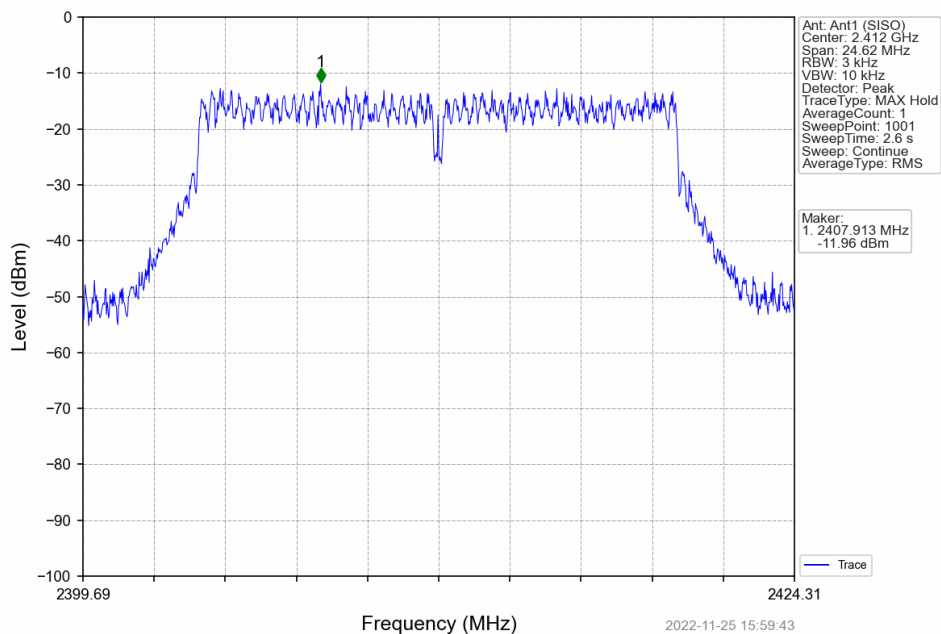
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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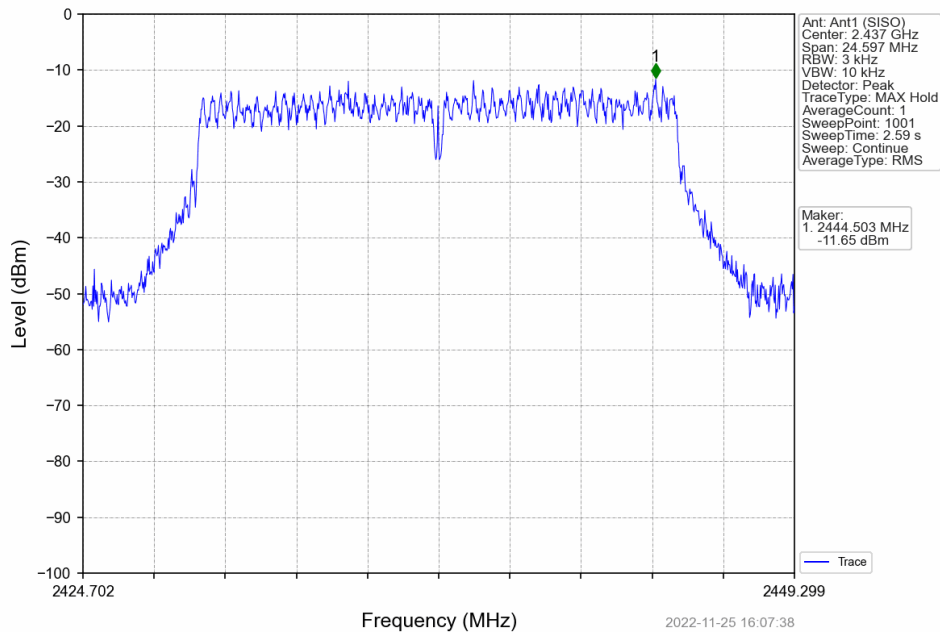
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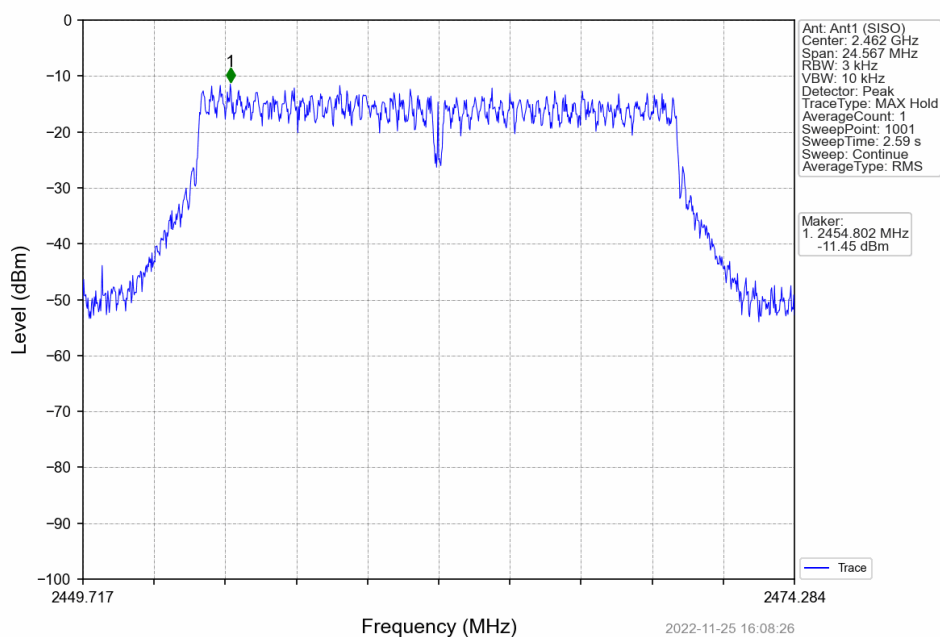
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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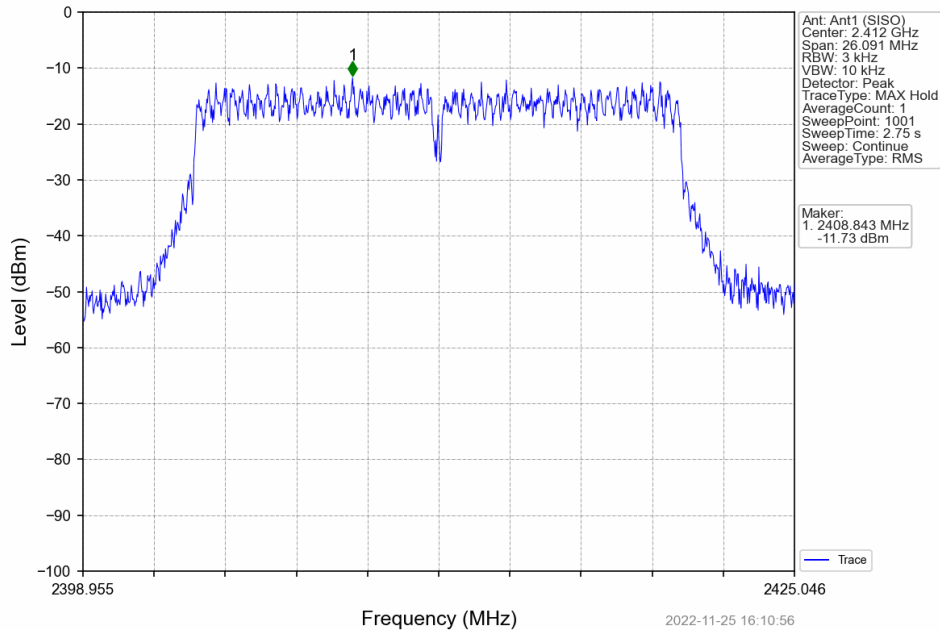
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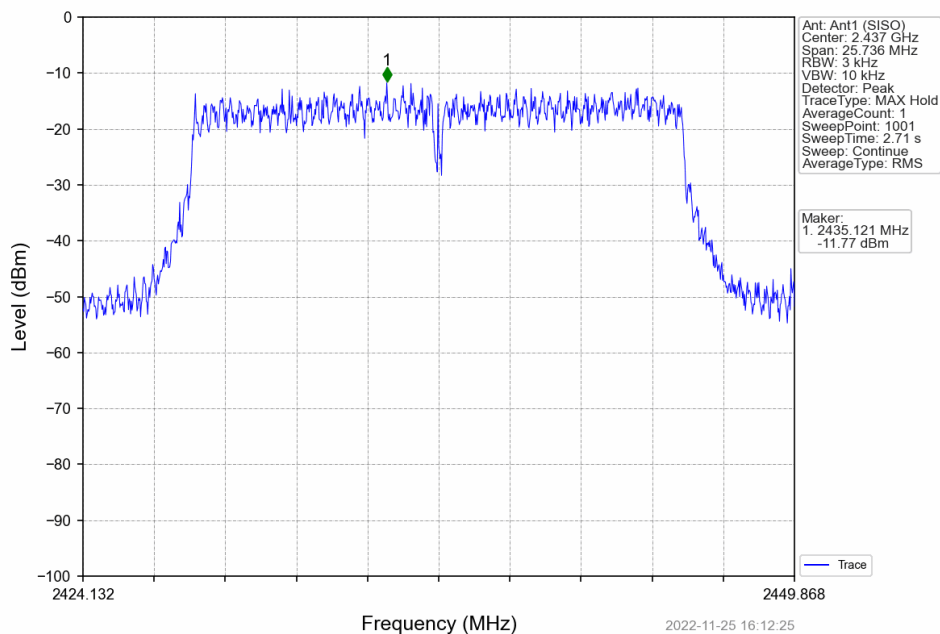
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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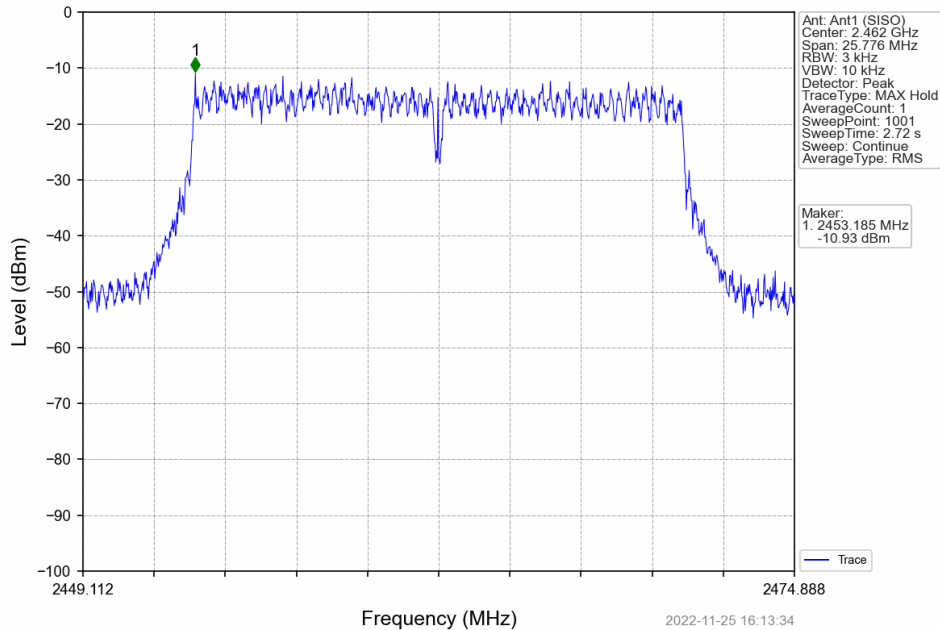
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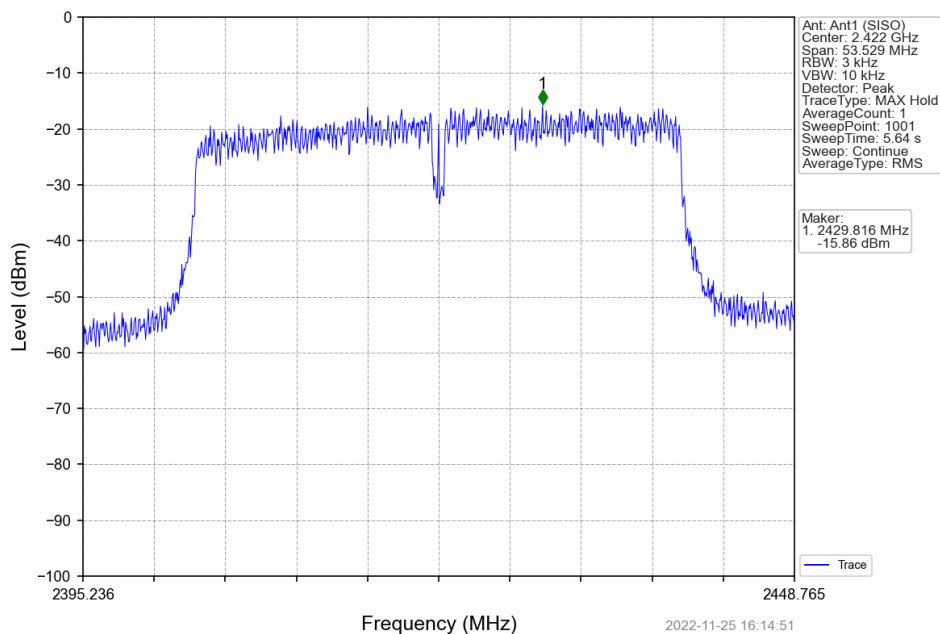
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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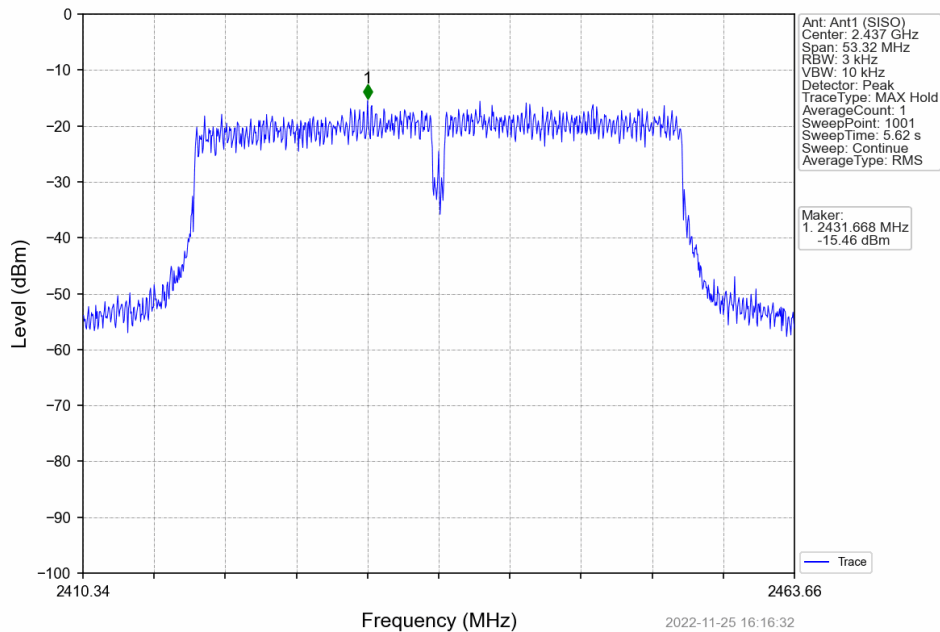
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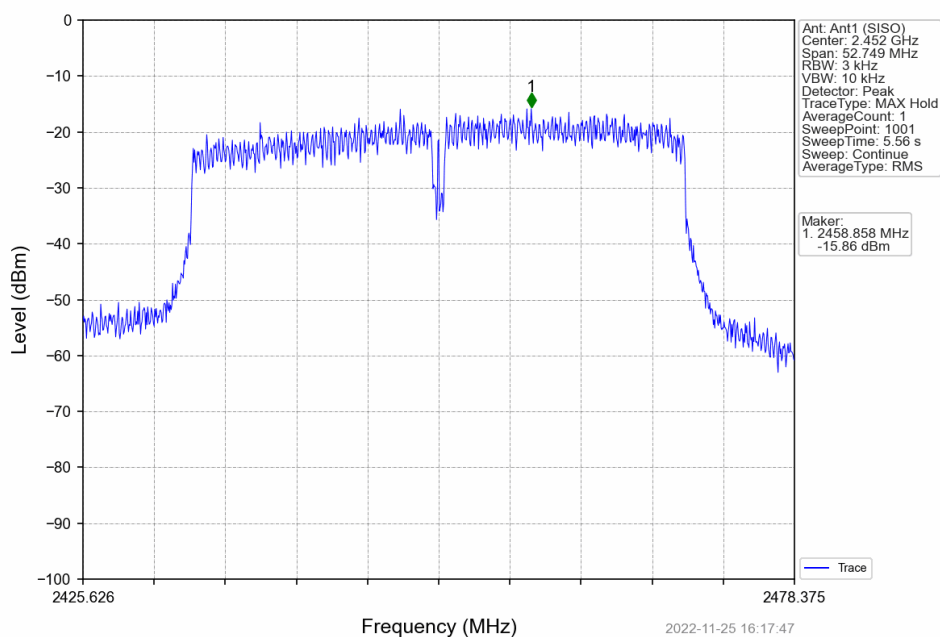
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions InStandard 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	5.76
		2437	1	5.26
		2462	1	6.18
802.11g	SISO	2412	1	2.69
		2437	1	2.68
		2462	1	3.28
802.11n (HT20)	SISO	2412	1	2.58
		2437	1	2.36
		2462	1	3.37
802.11n (HT40)	SISO	2422	1	-0.79
		2437	1	-1.03
		2452	1	-1.11

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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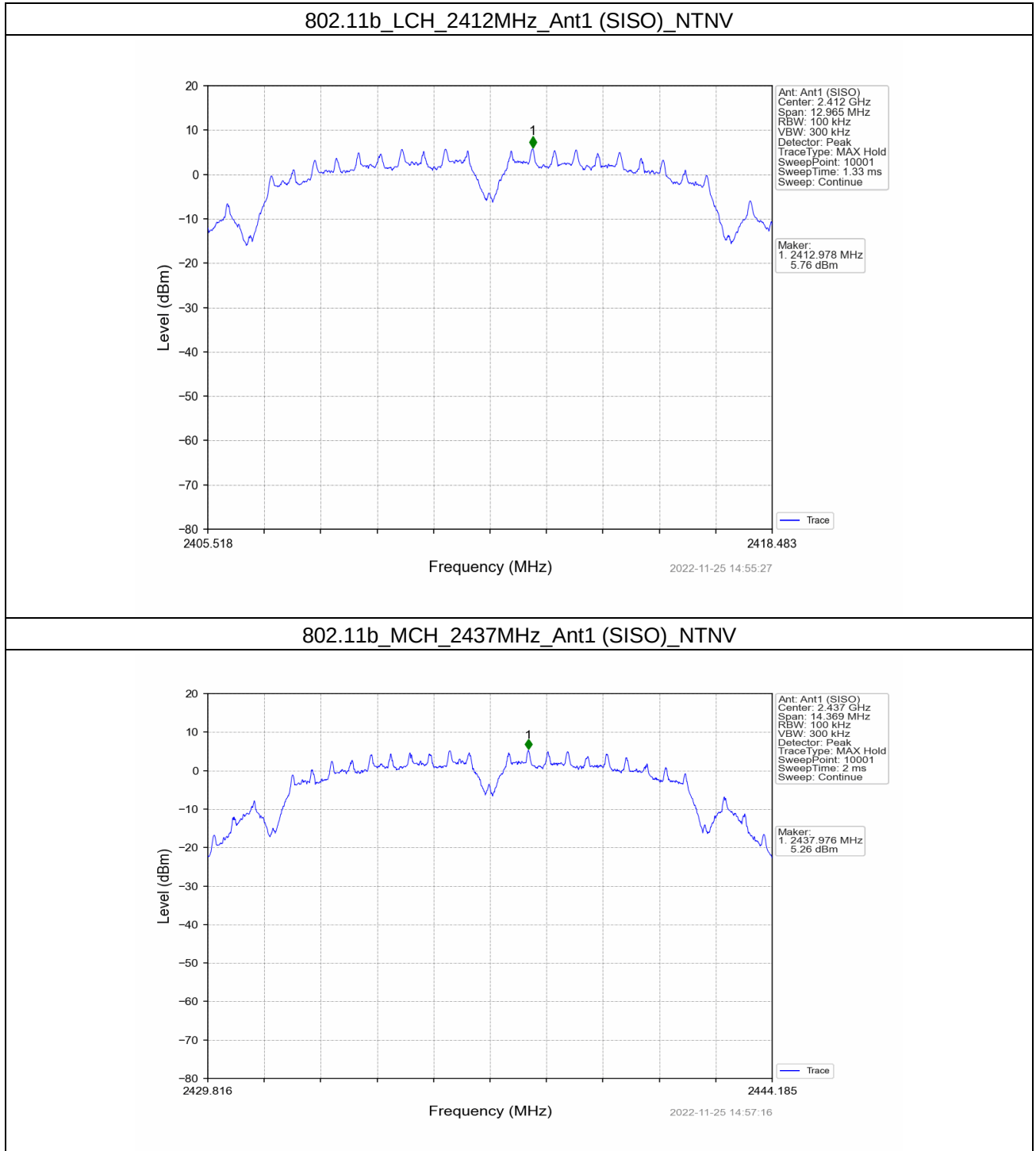
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5.1.2 Test Graph



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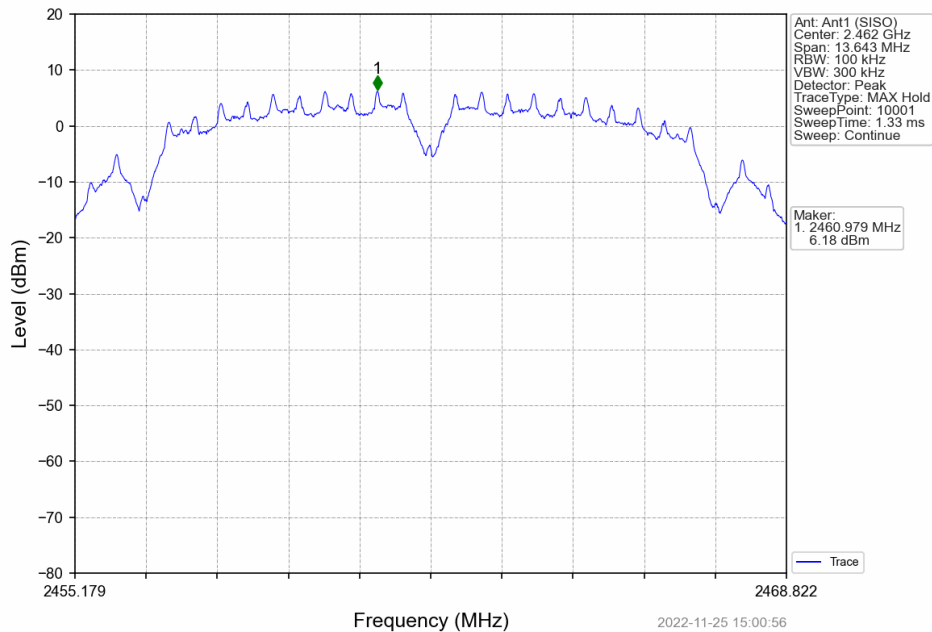
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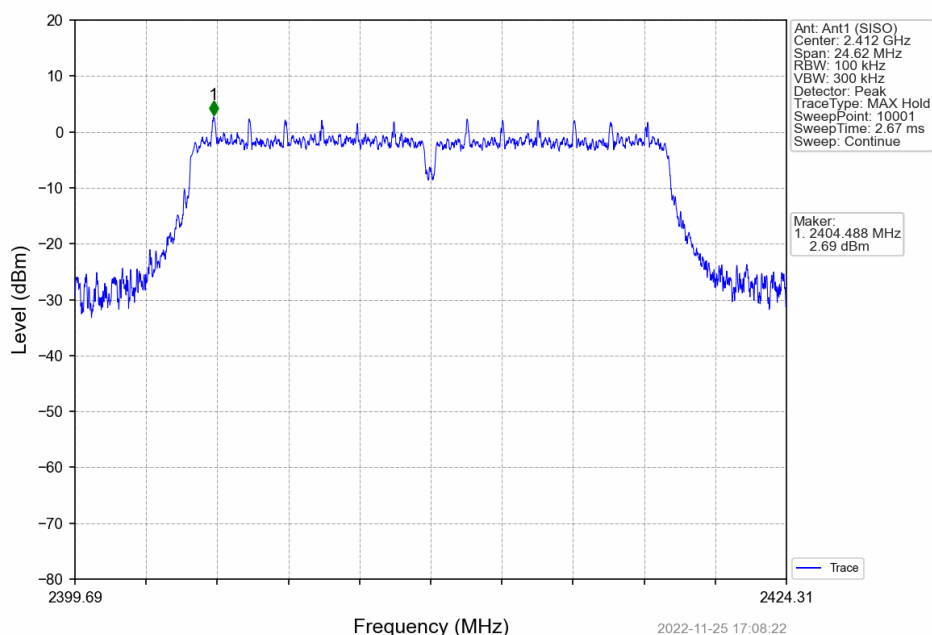
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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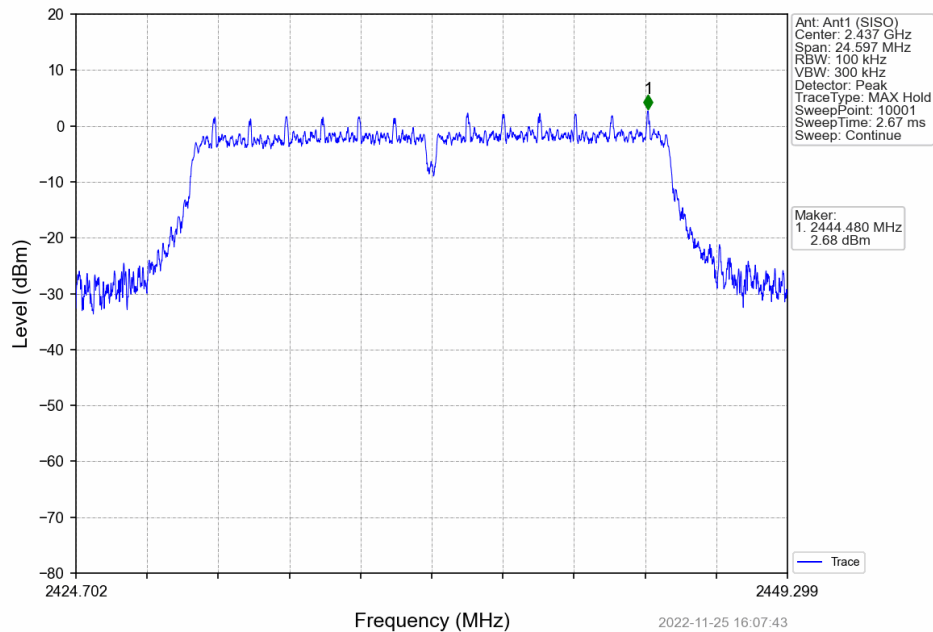
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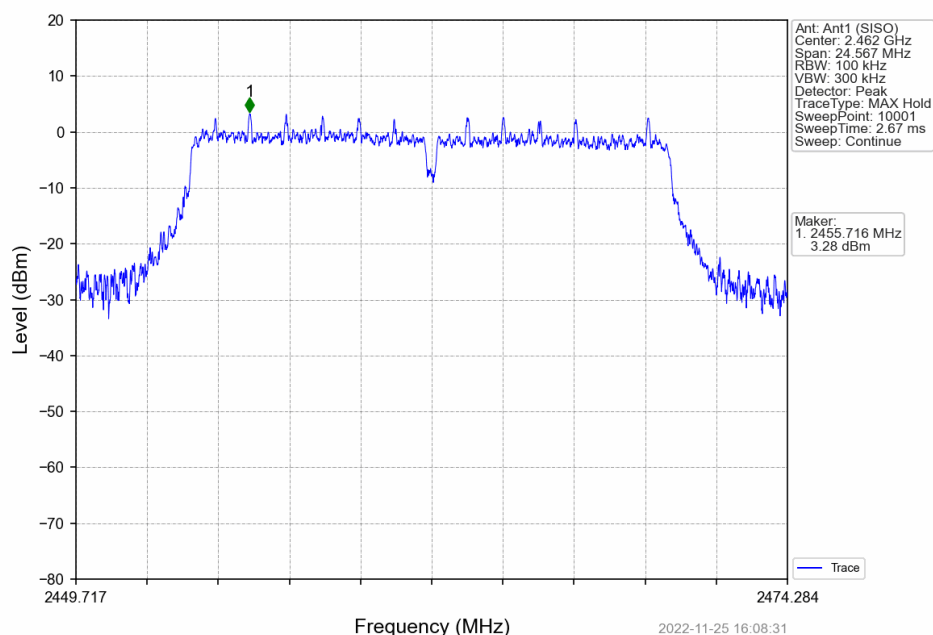
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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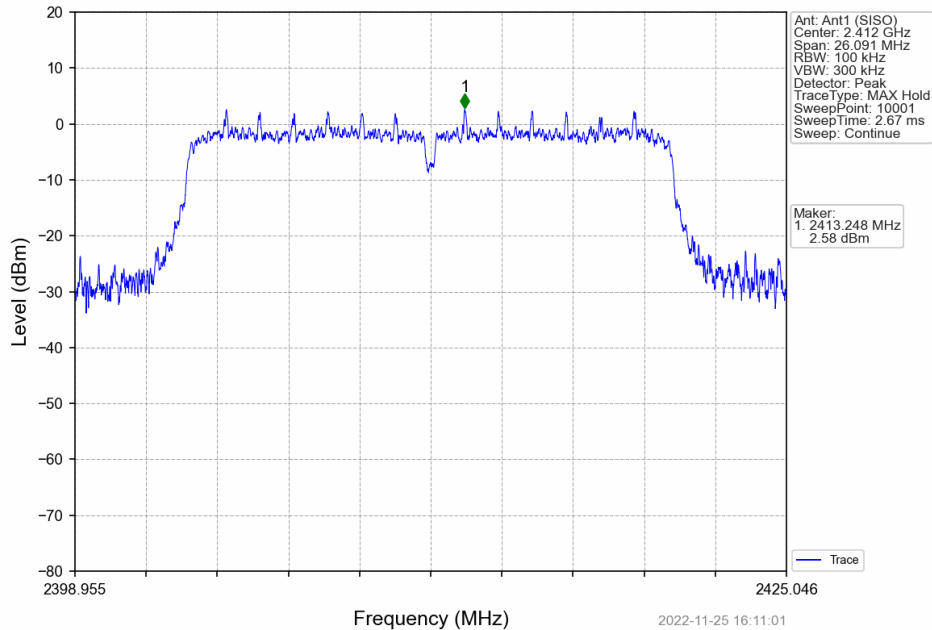
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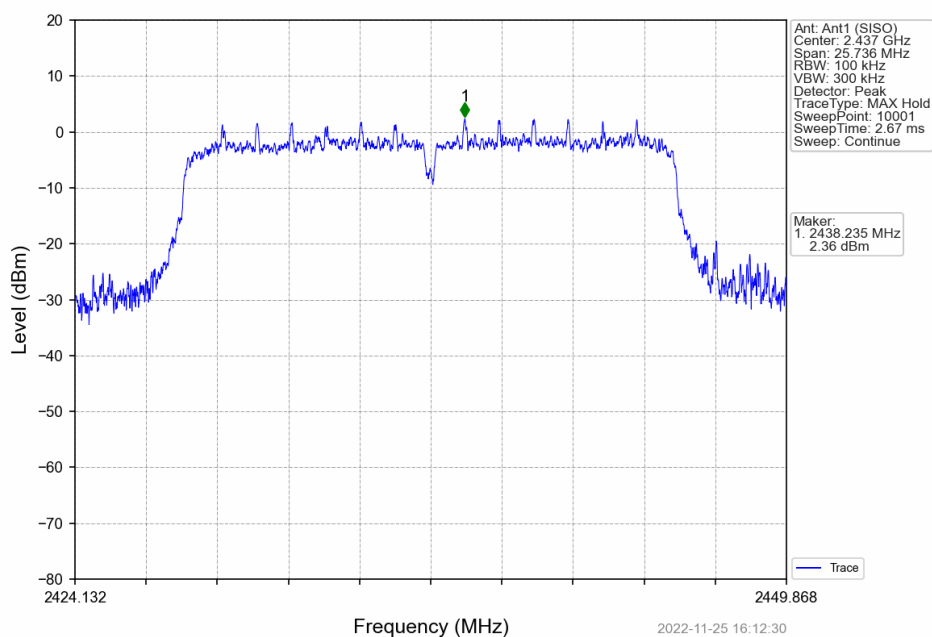
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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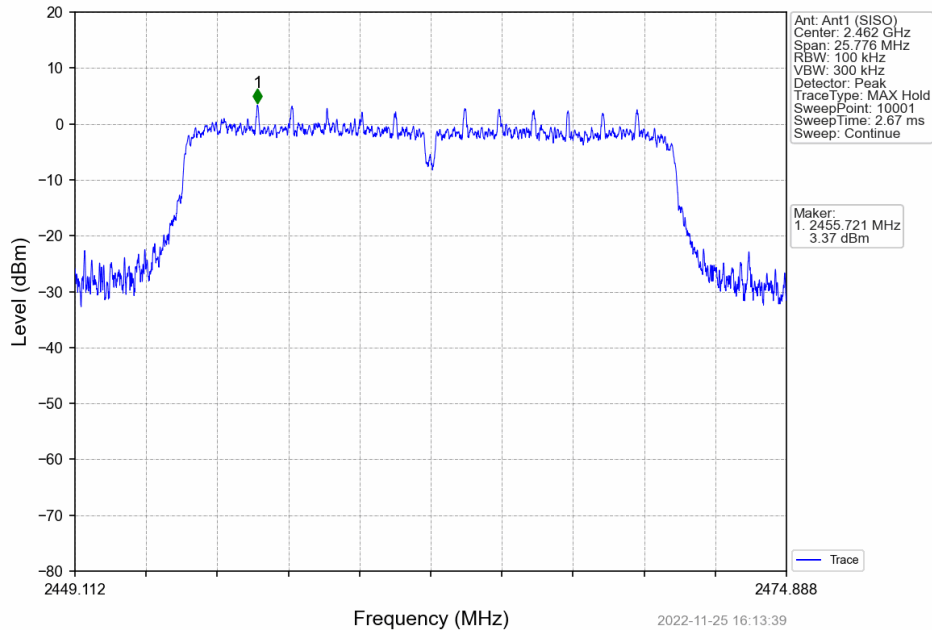
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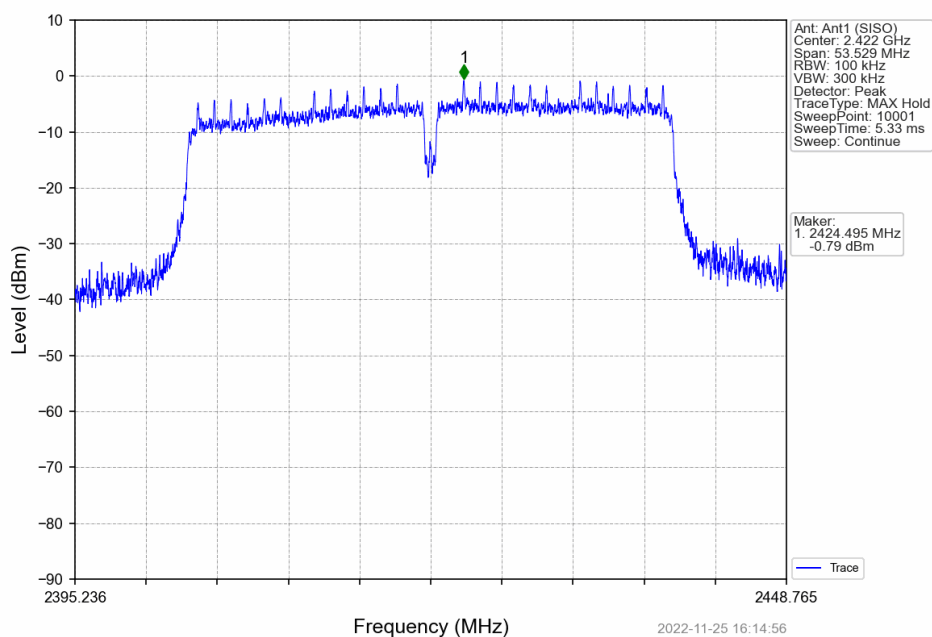
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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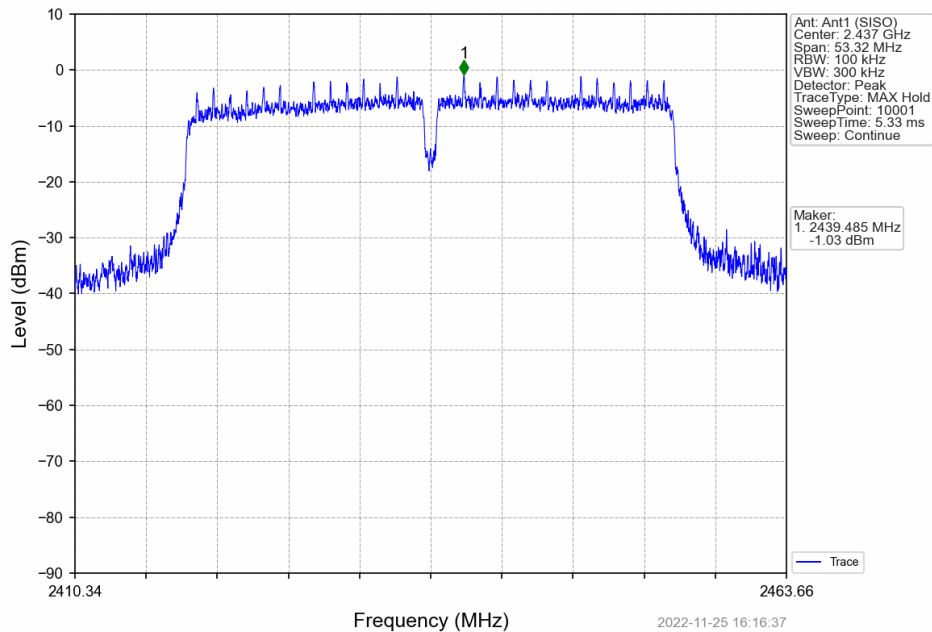
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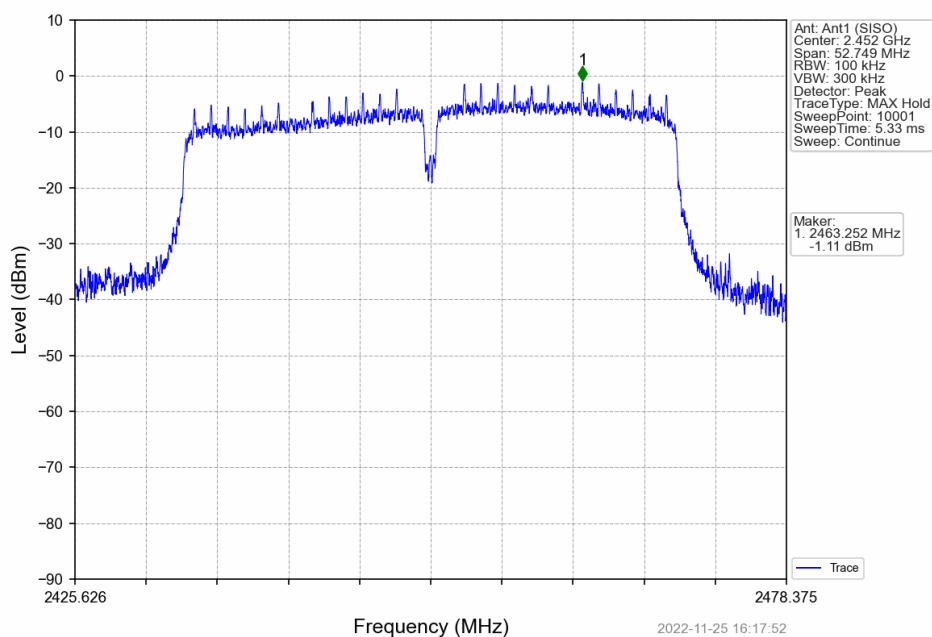
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_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
802.11b	SISO	2412	1	6.18	-23.82	Pass
		2437	1	6.18	-23.82	Pass
		2462	1	6.18	-23.82	Pass
802.11g	SISO	2412	1	3.28	-26.72	Pass
		2437	1	3.28	-26.72	Pass
		2462	1	3.28	-26.72	Pass
802.11n (HT20)	SISO	2412	1	3.37	-26.63	Pass
		2437	1	3.37	-26.63	Pass
		2462	1	3.37	-26.63	Pass
802.11n (HT40)	SISO	2422	1	-0.79	-30.79	Pass
		2437	1	-0.79	-30.79	Pass
		2452	1	-0.79	-30.79	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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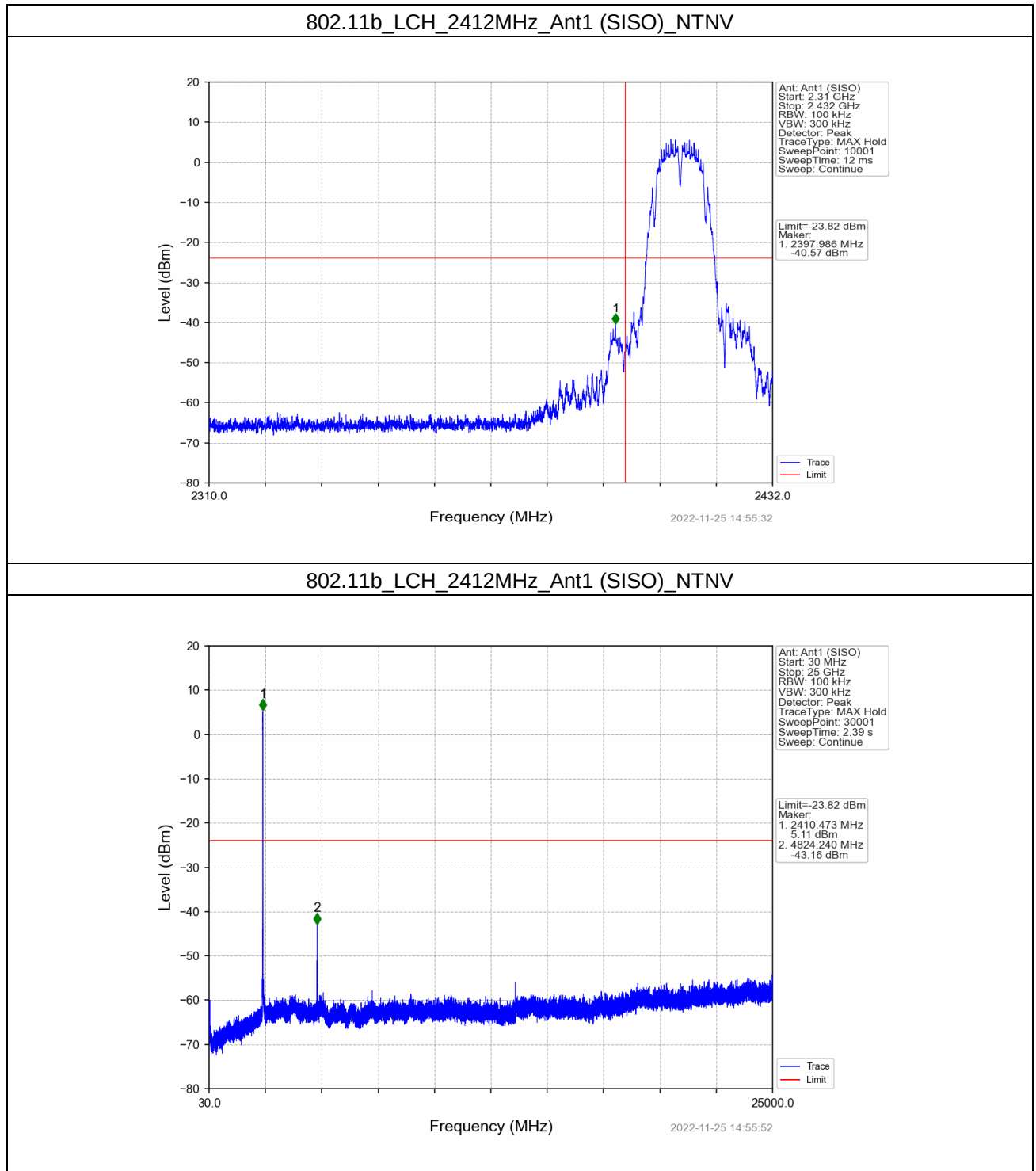
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5.2.2 Test Graph



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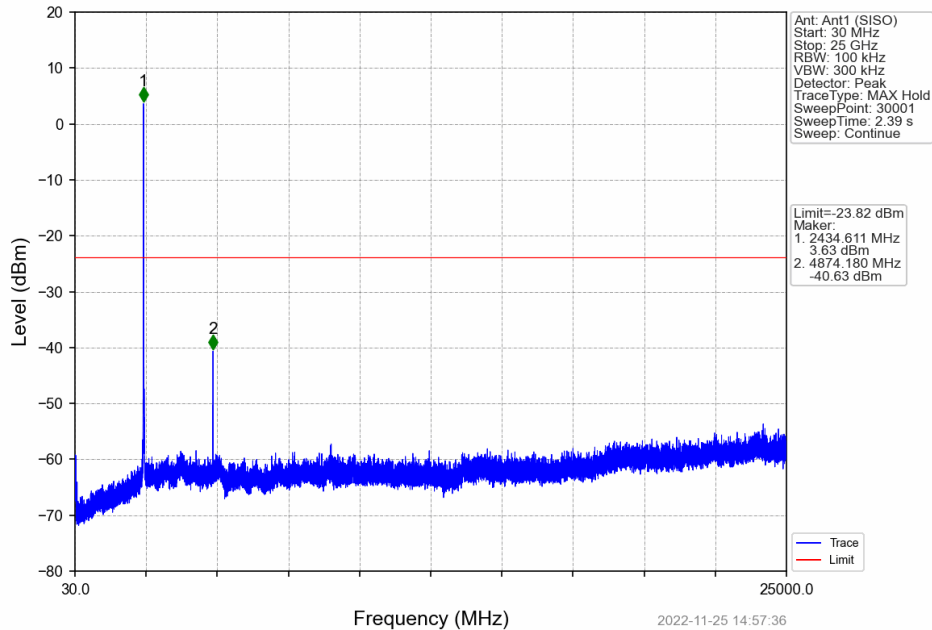
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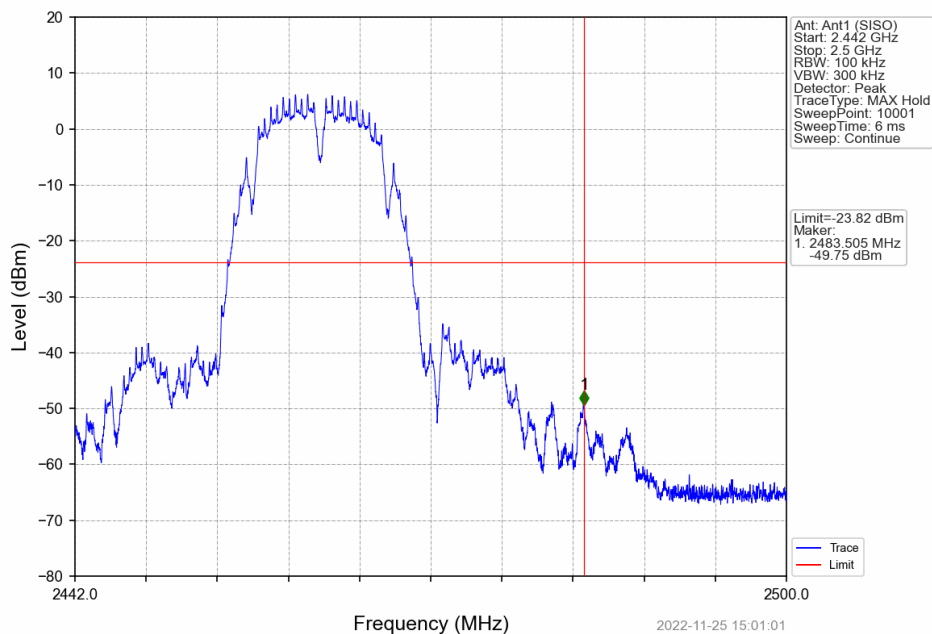
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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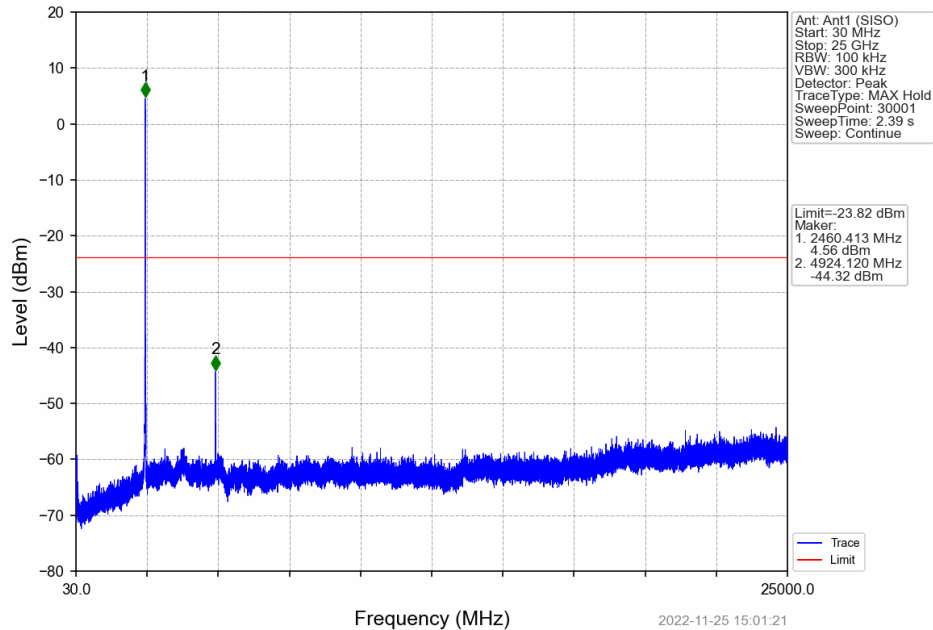
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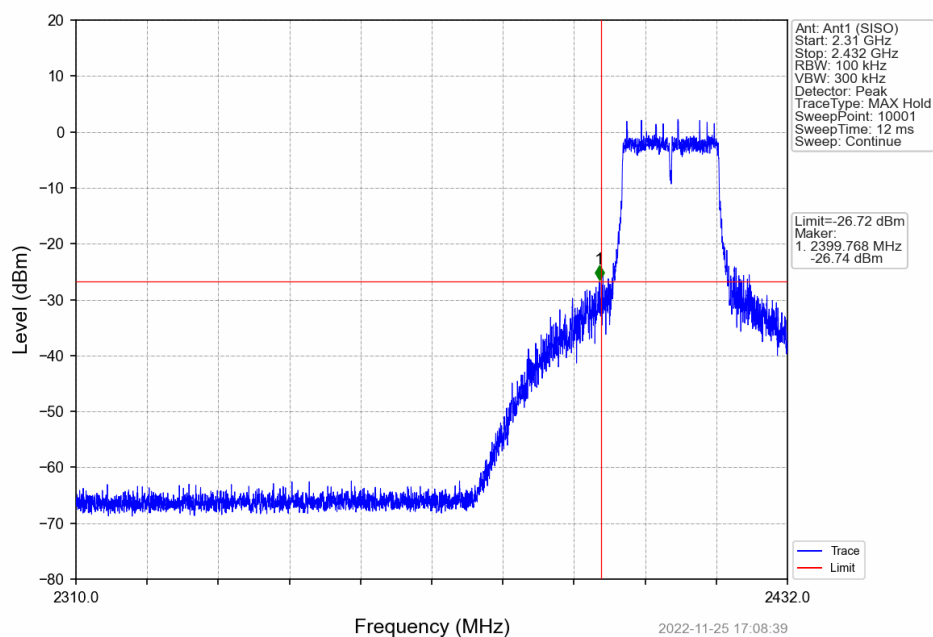
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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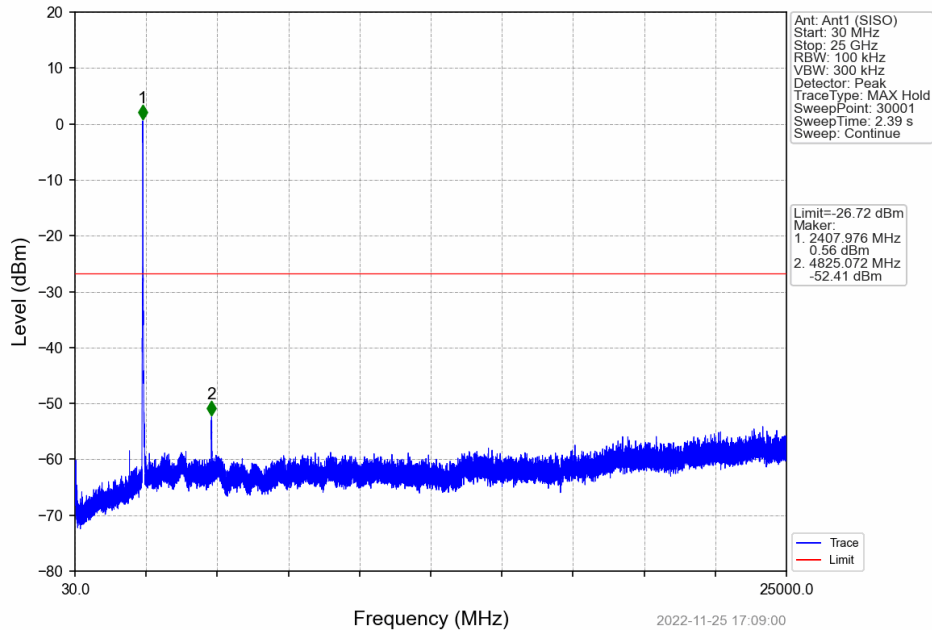
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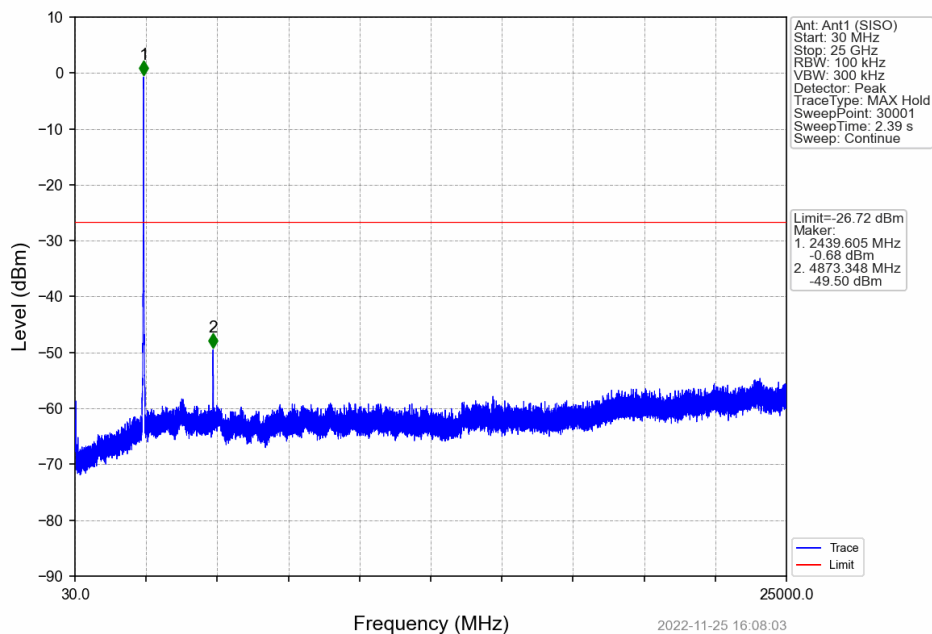
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



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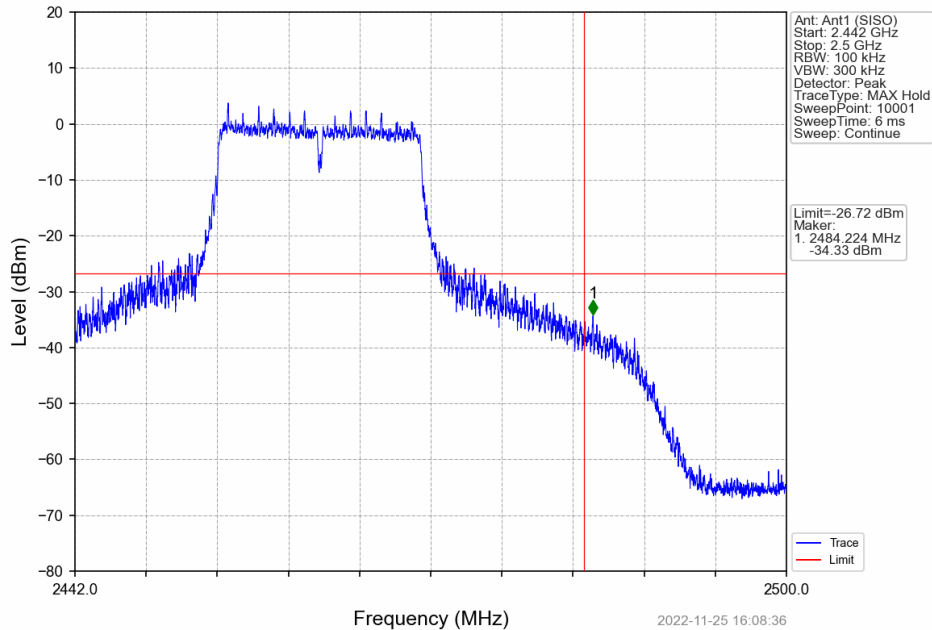
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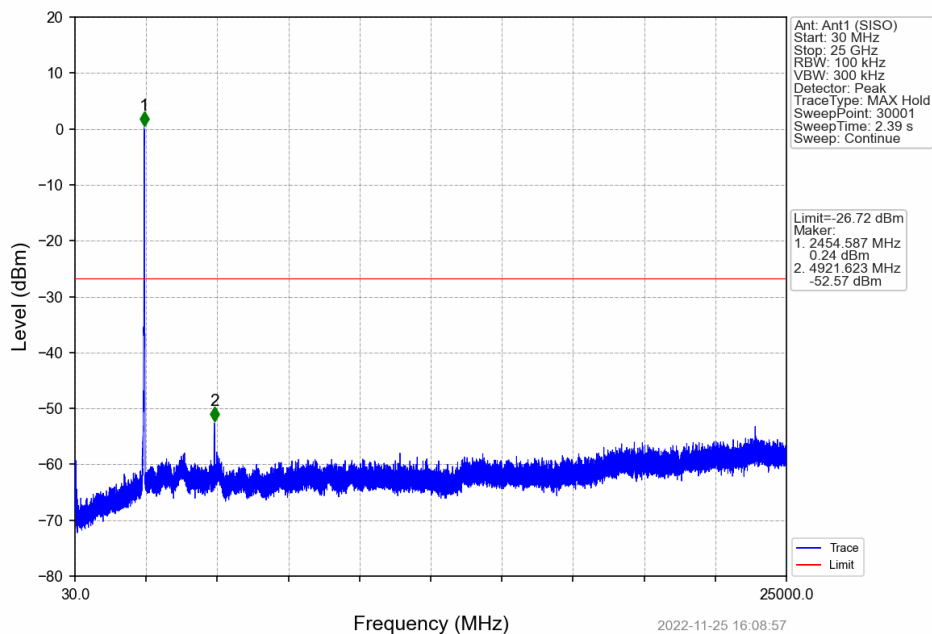
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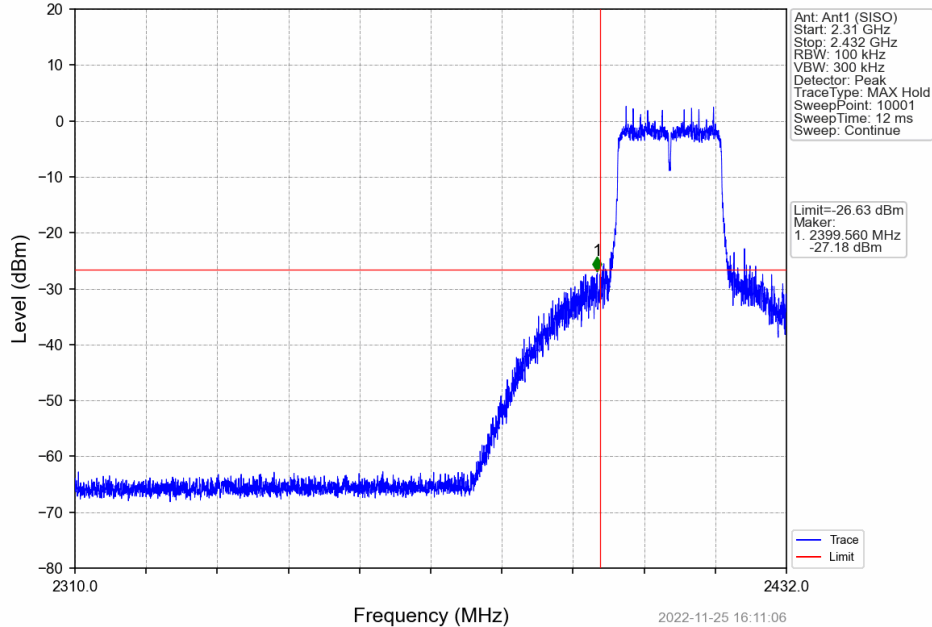
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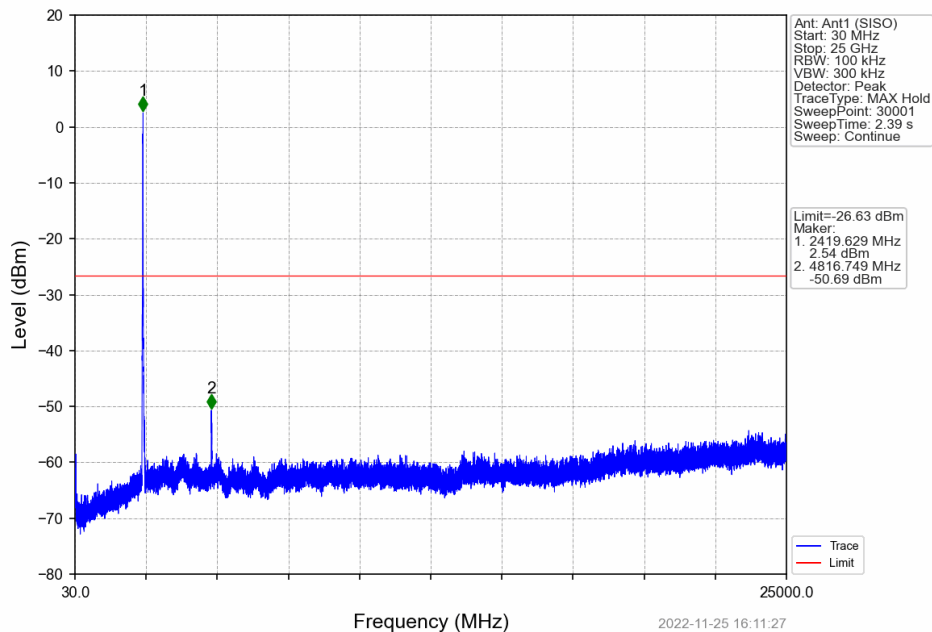
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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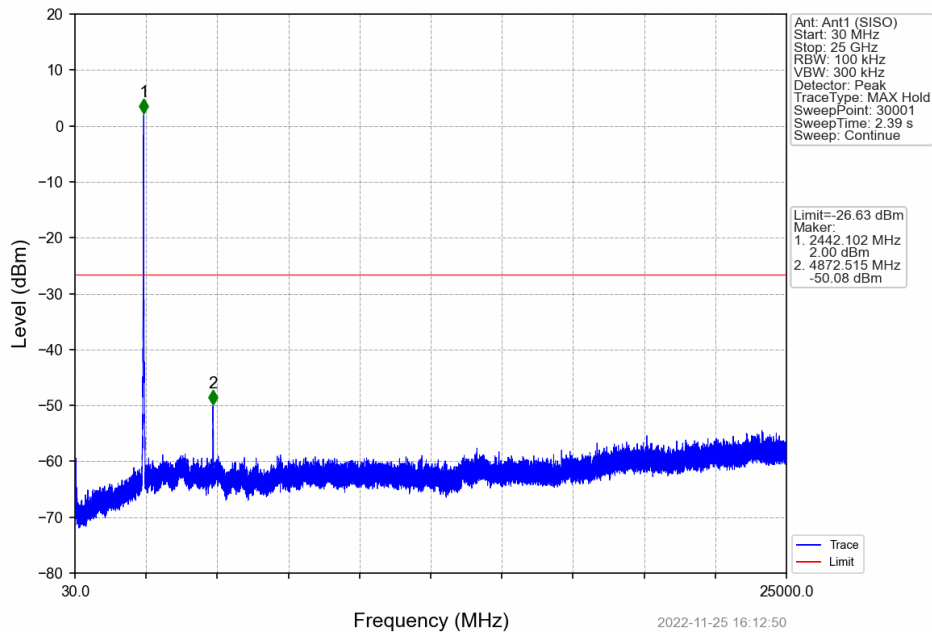
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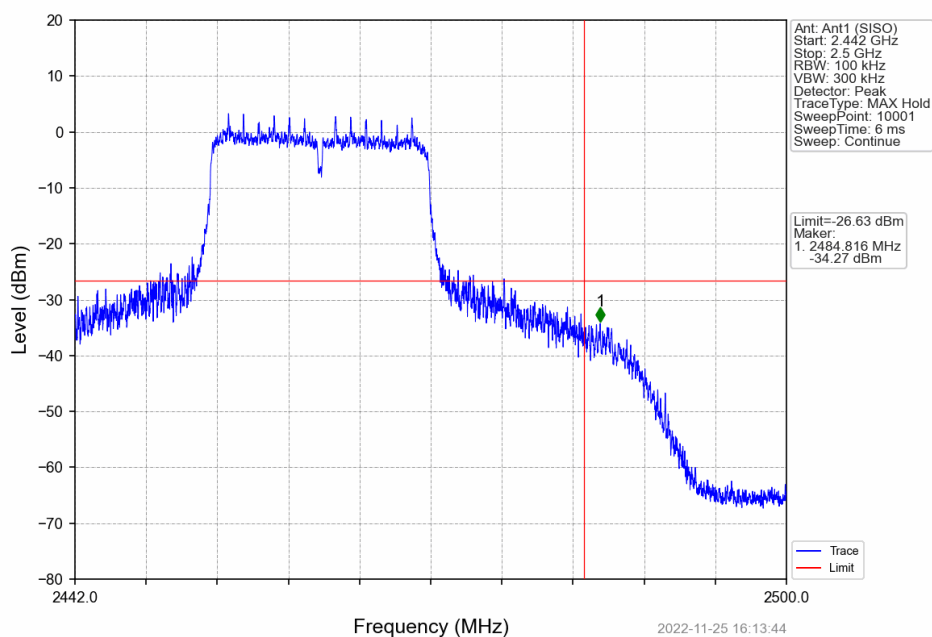
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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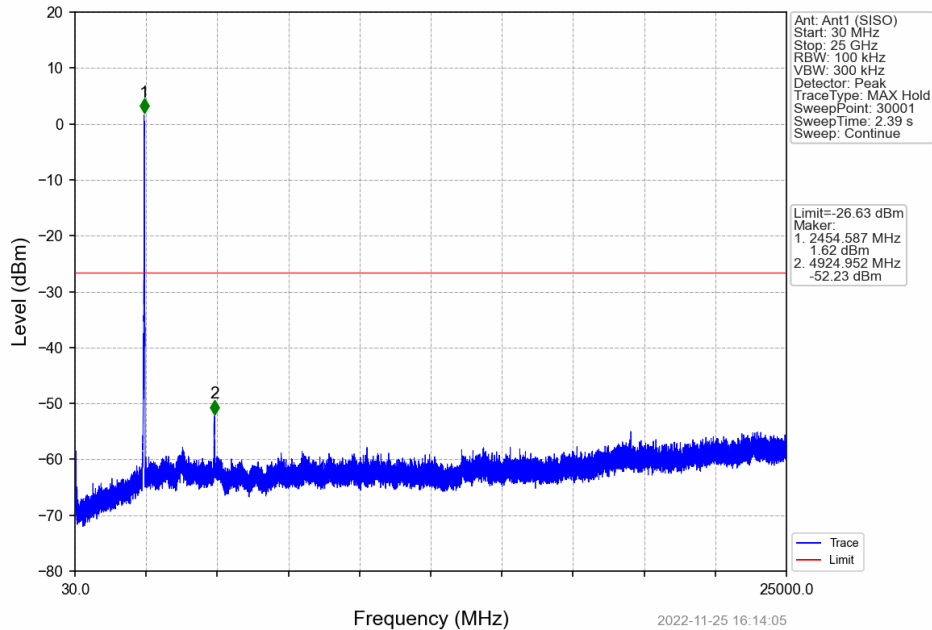
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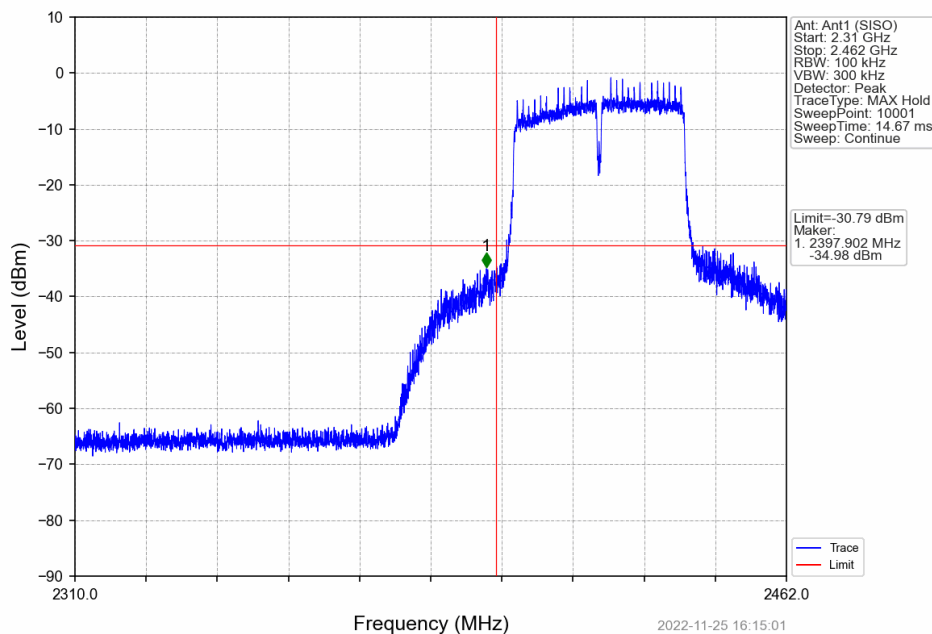
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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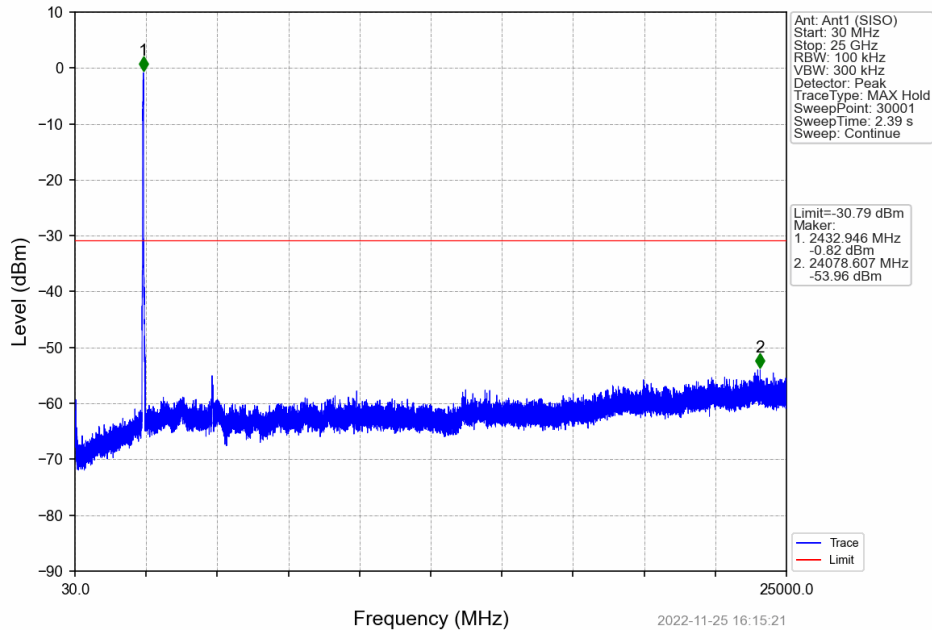
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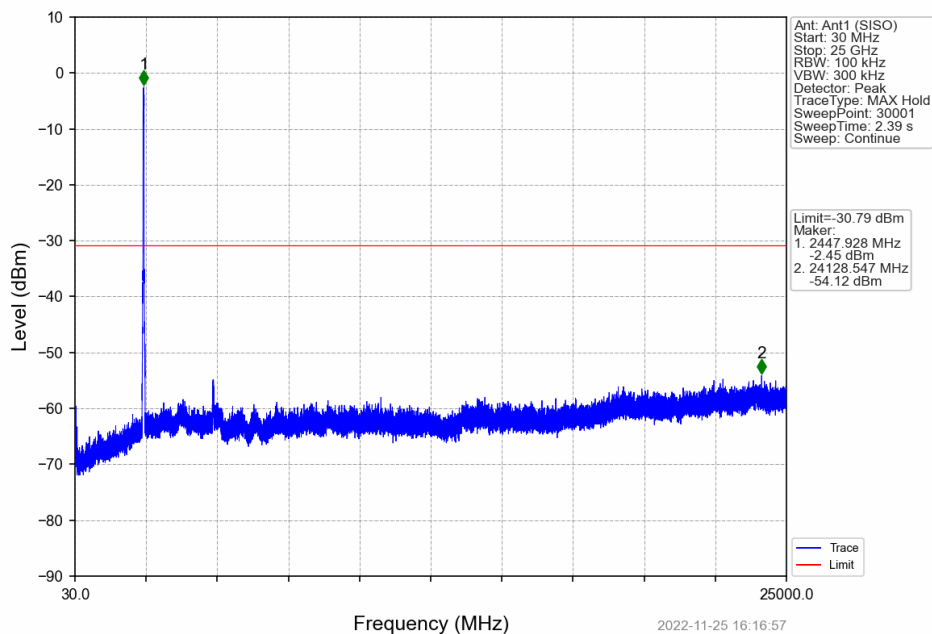
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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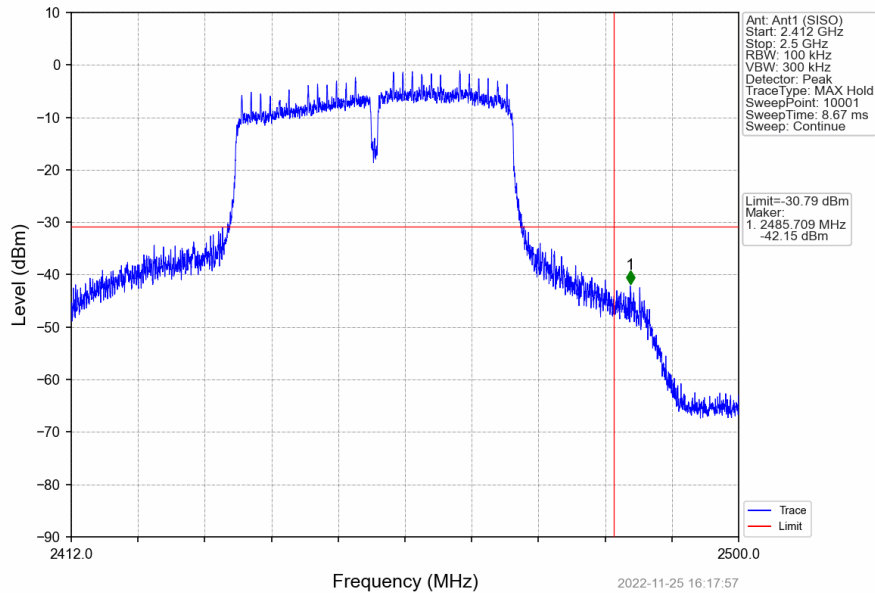
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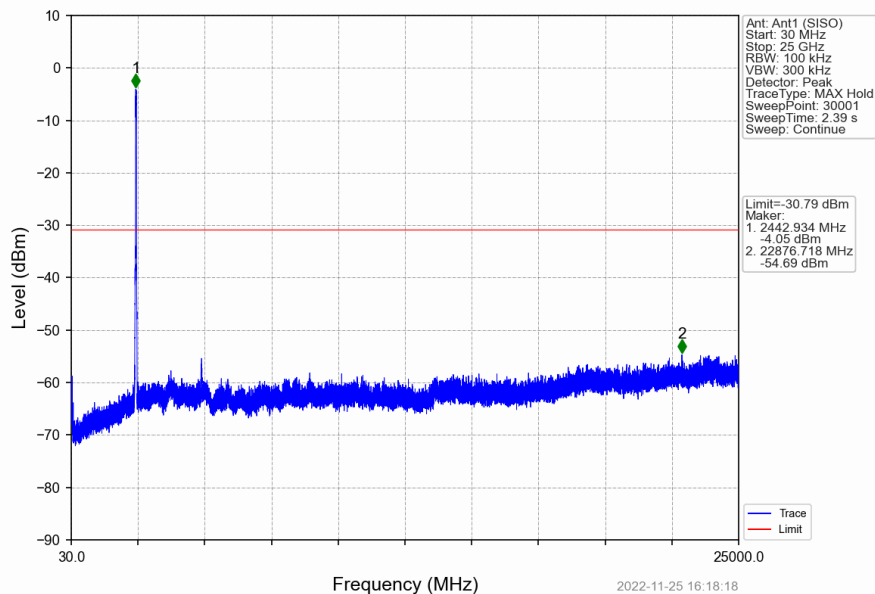
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



- End of the Report -



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