

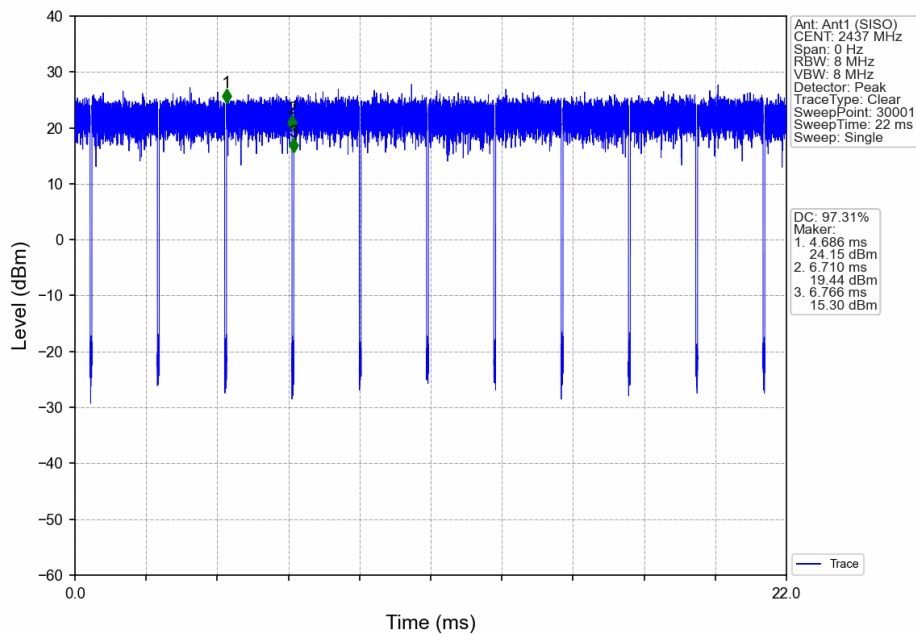
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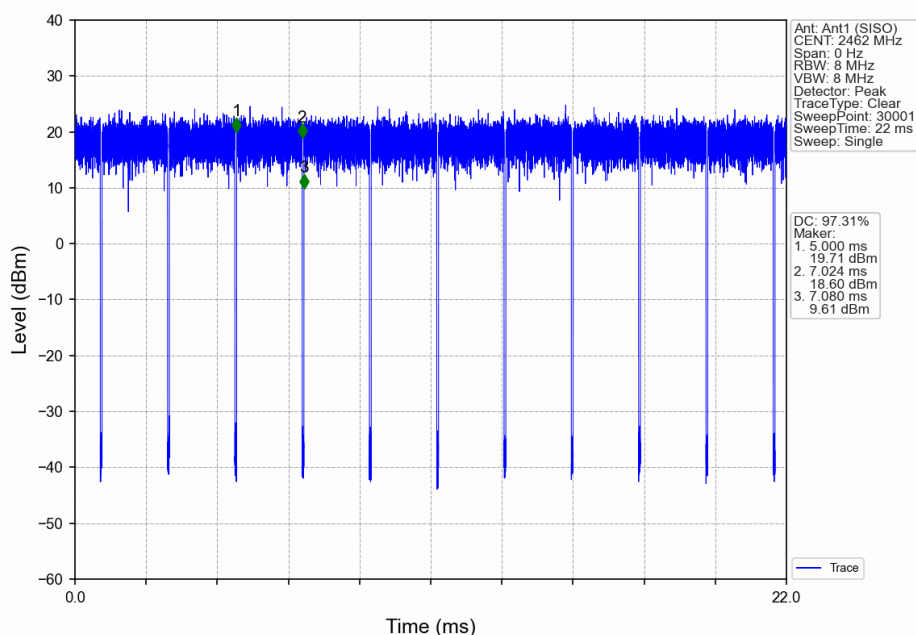
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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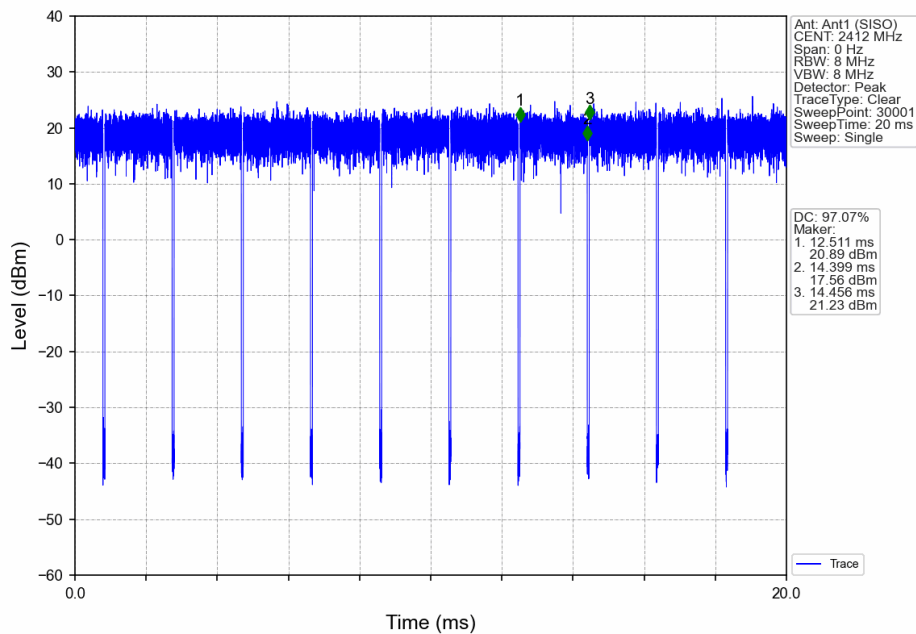
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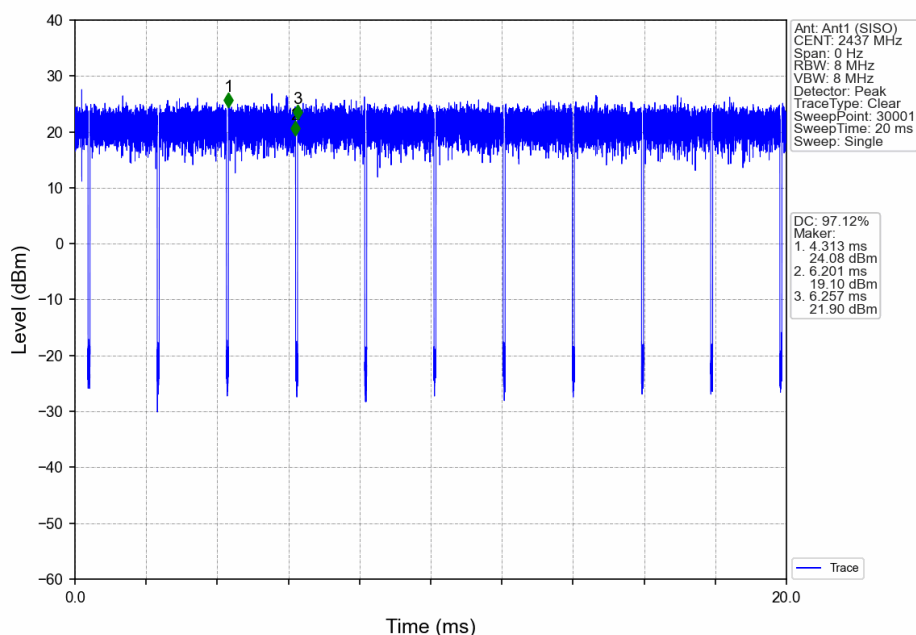
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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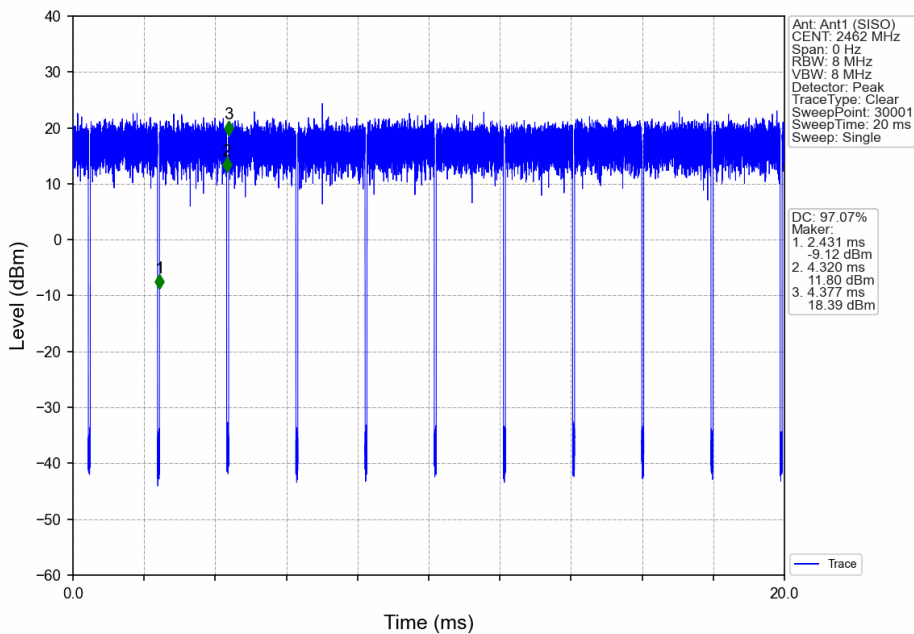
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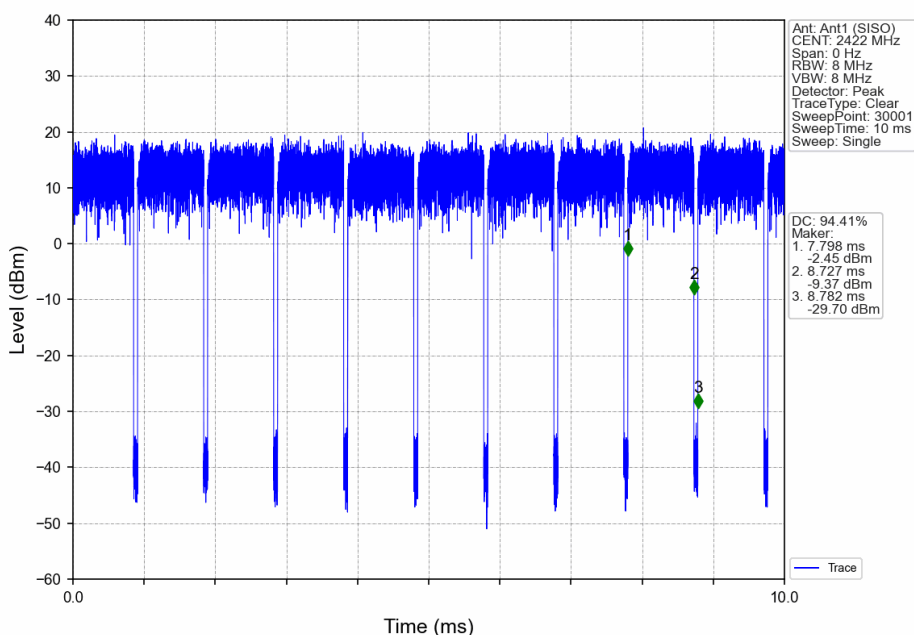
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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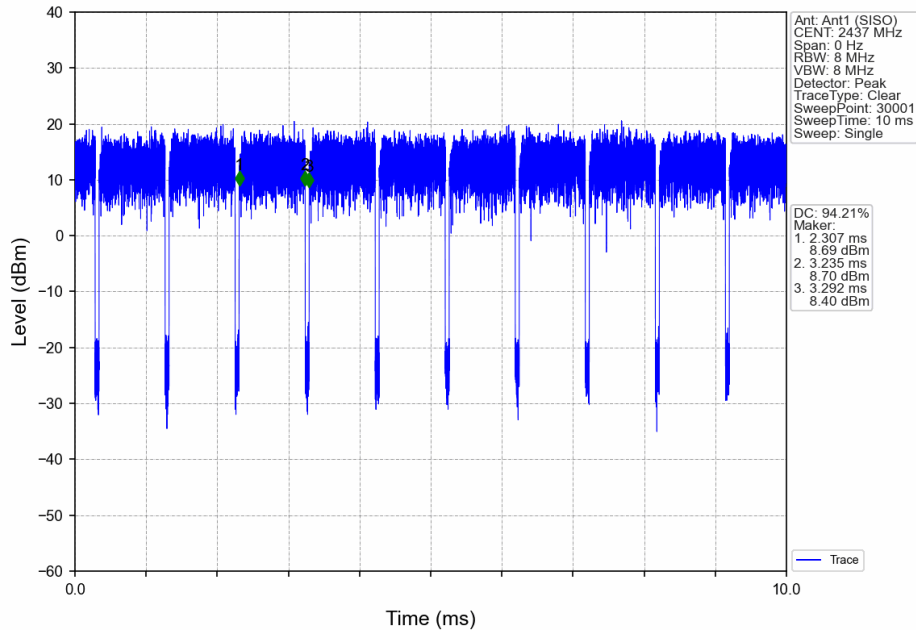
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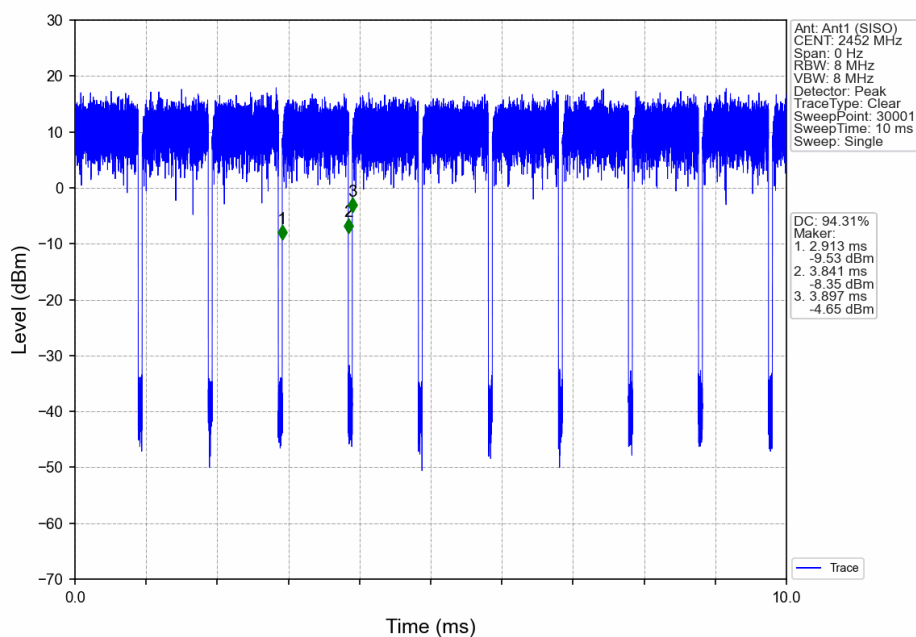
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	14.184	Pass
		2437	1	14.890	Pass
		2462	1	14.023	Pass
802.11g	SISO	2412	1	19.977	Pass
		2437	1	27.276	Pass
		2462	1	19.043	Pass
802.11n (HT20)	SISO	2412	1	20.862	Pass
		2437	1	26.501	Pass
		2462	1	19.525	Pass
802.11n (HT40)	SISO	2422	1	38.751	Pass
		2437	1	39.013	Pass
		2452	1	38.395	Pass



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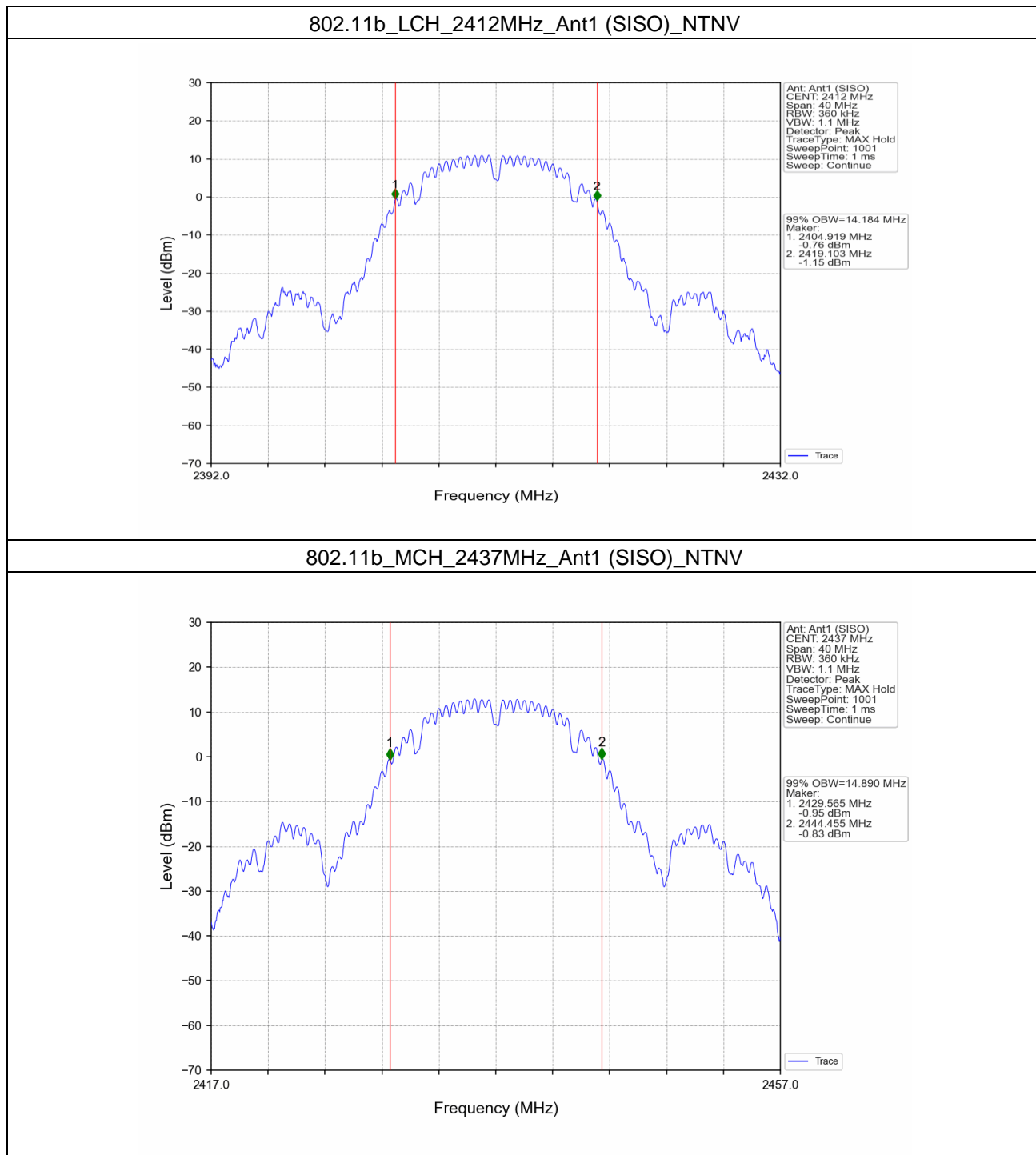
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2.1.2 Test Graph



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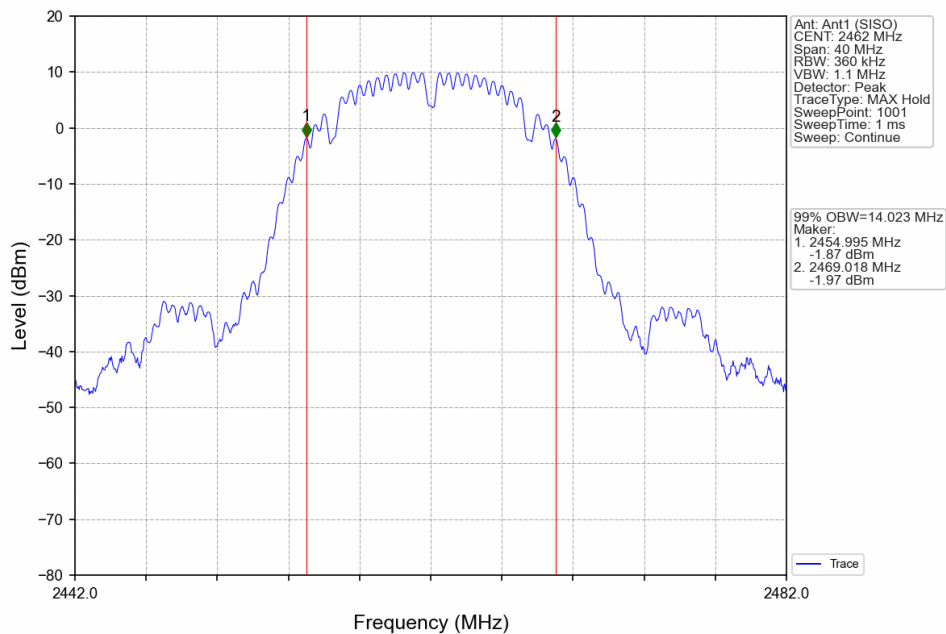
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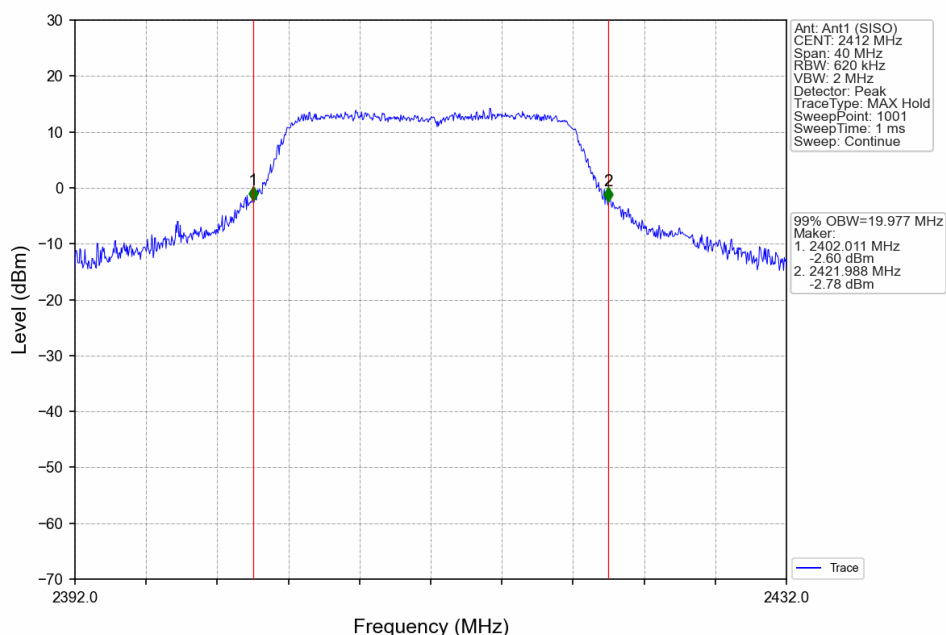
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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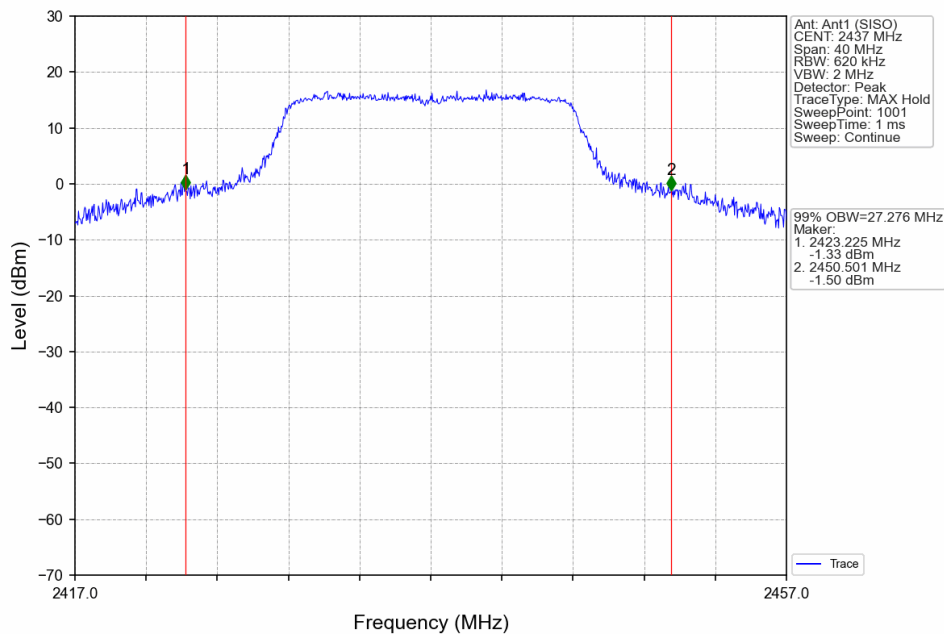
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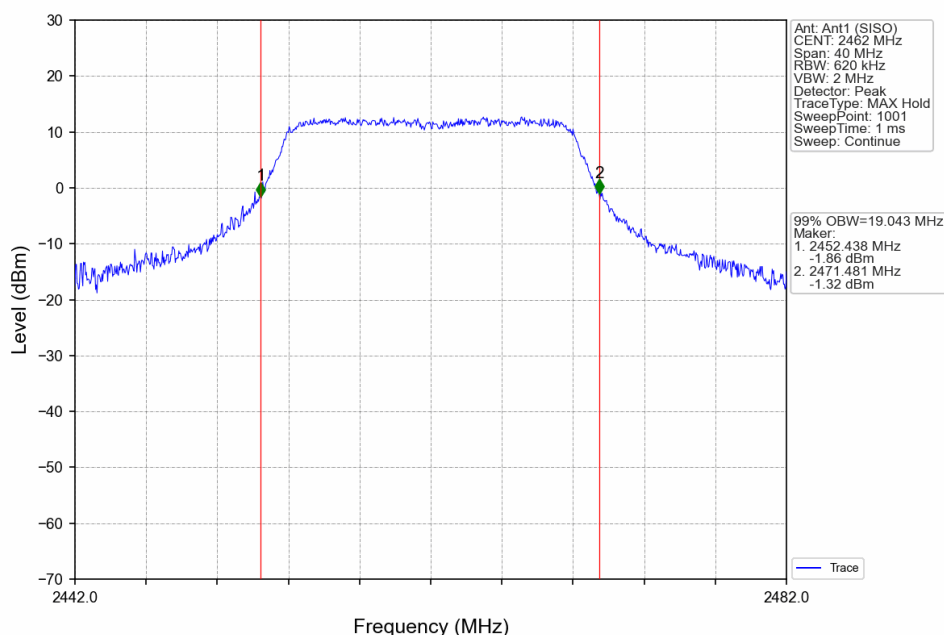
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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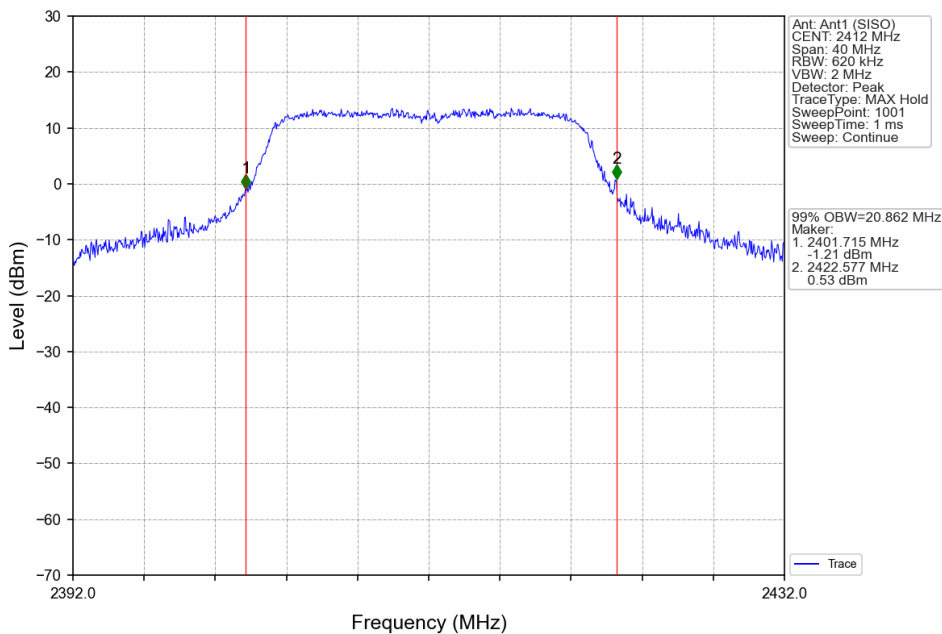
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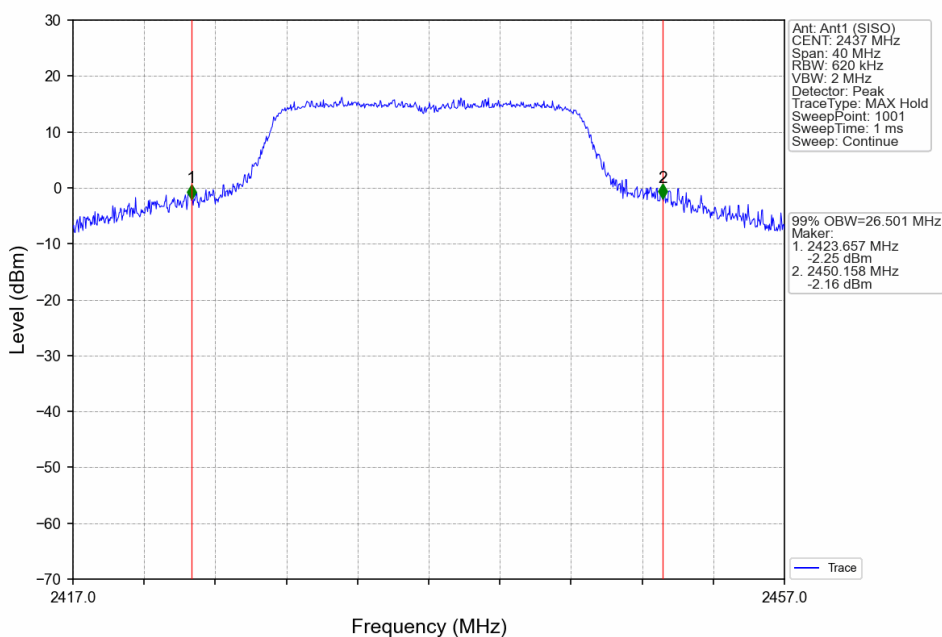
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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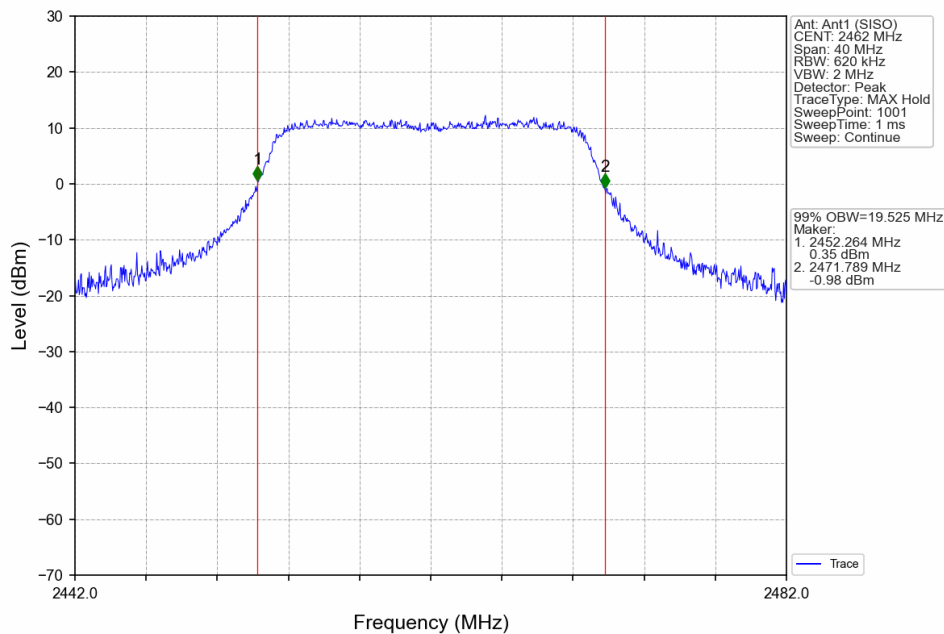
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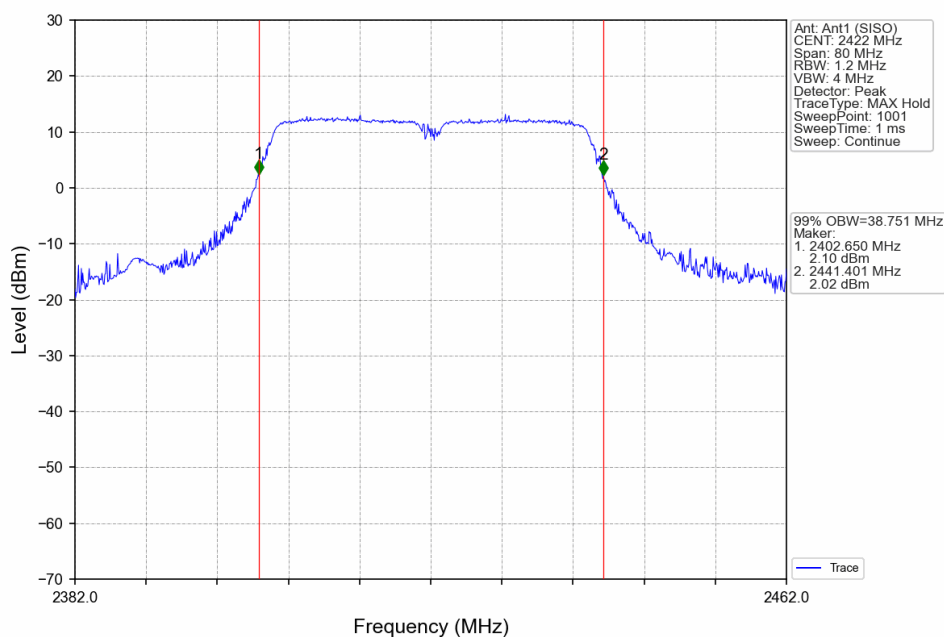
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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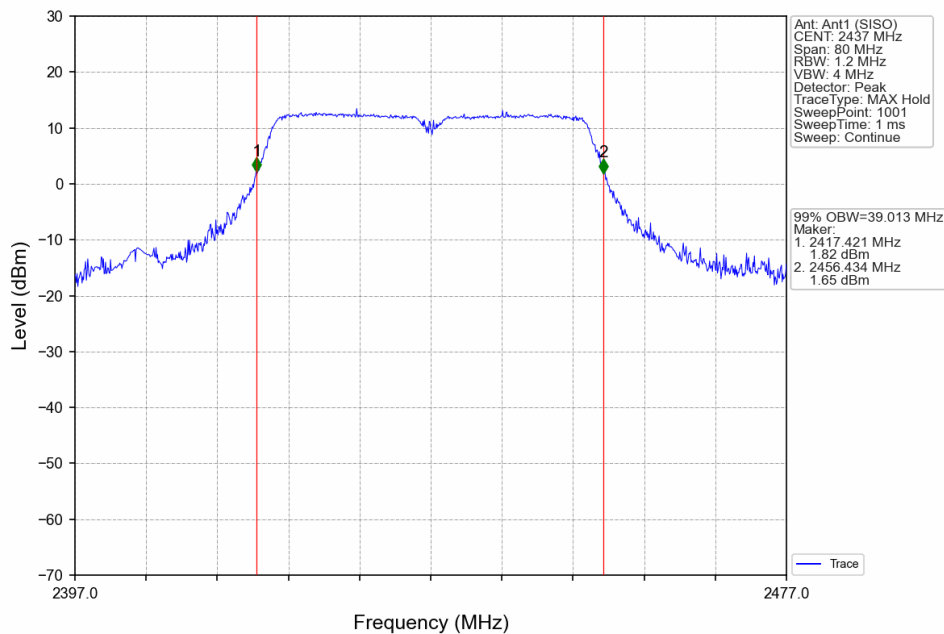
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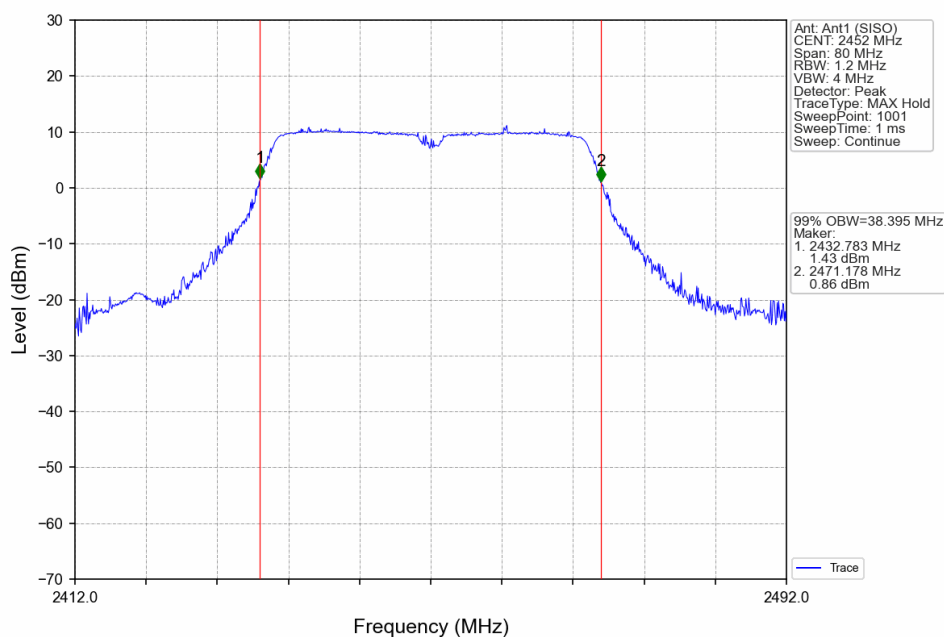
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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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	
802.11b	SISO	2412	1	10.122	≥ 0.5	Pass
		2437	1	10.122	≥ 0.5	Pass
		2462	1	10.120	≥ 0.5	Pass
802.11g	SISO	2412	1	16.374	≥ 0.5	Pass
		2437	1	16.384	≥ 0.5	Pass
		2462	1	16.371	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.583	≥ 0.5	Pass
		2437	1	17.353	≥ 0.5	Pass
		2462	1	17.599	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.319	≥ 0.5	Pass
		2437	1	36.110	≥ 0.5	Pass
		2452	1	36.061	≥ 0.5	Pass



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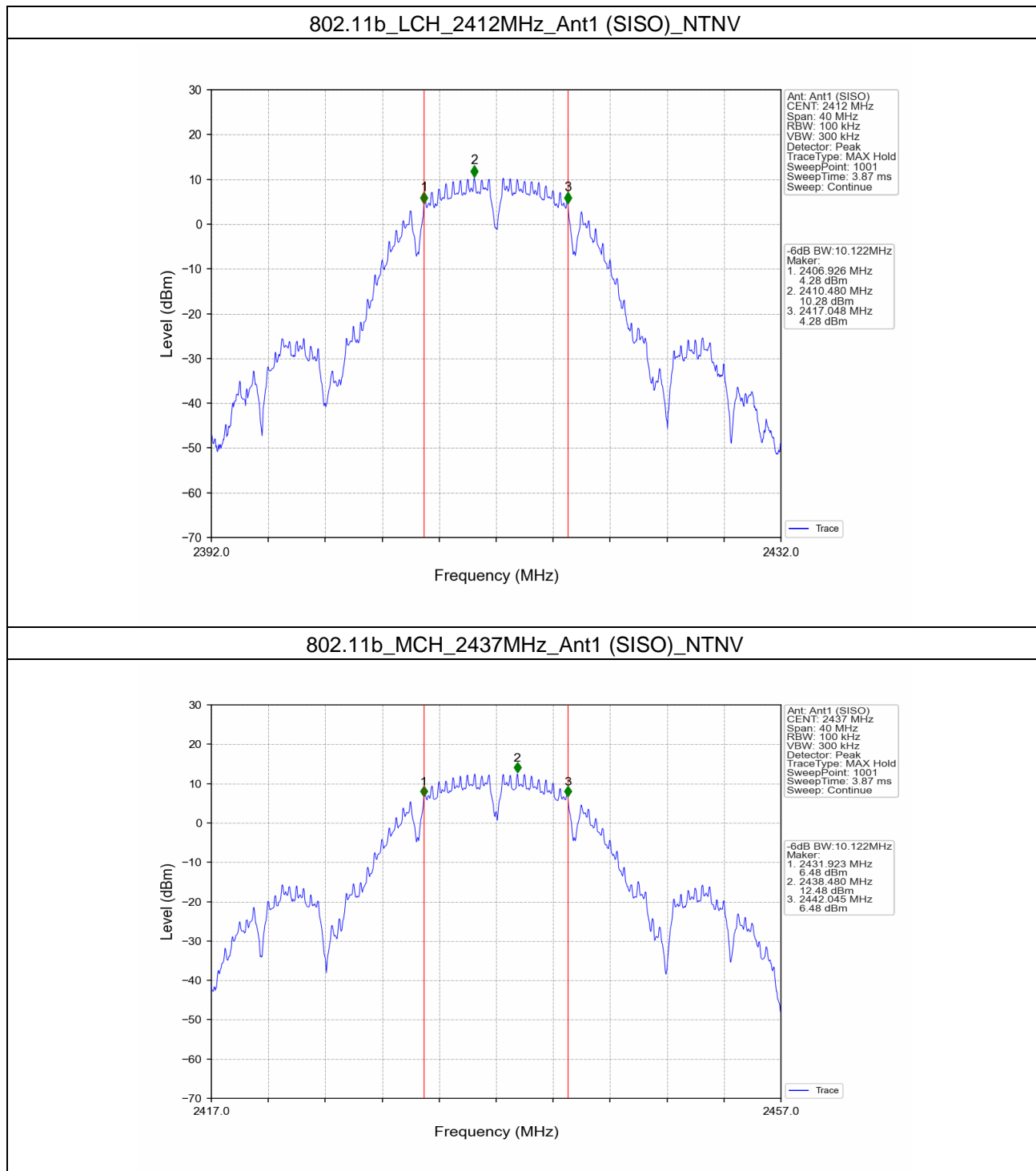
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2.2.2 Test Graph



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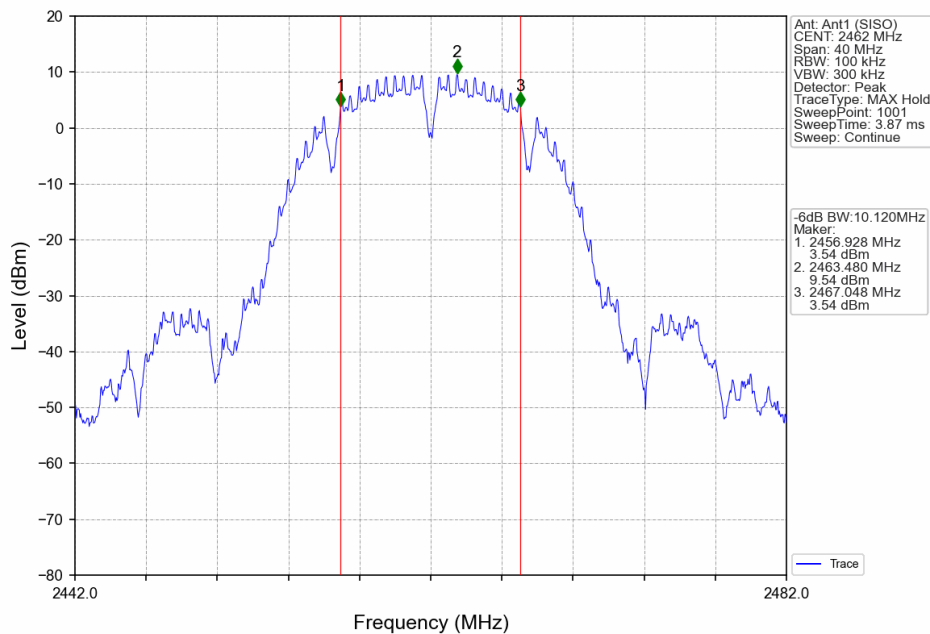
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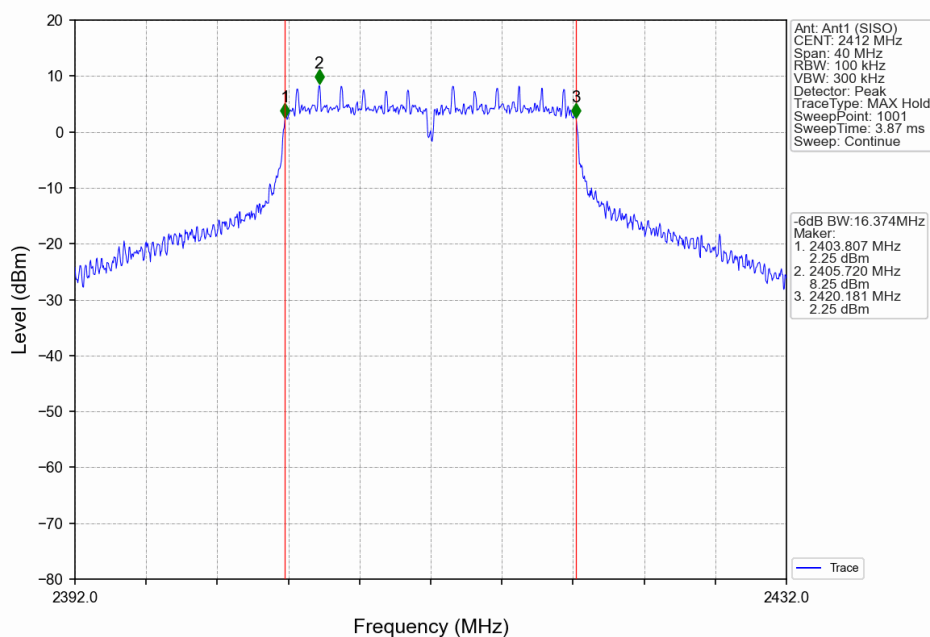
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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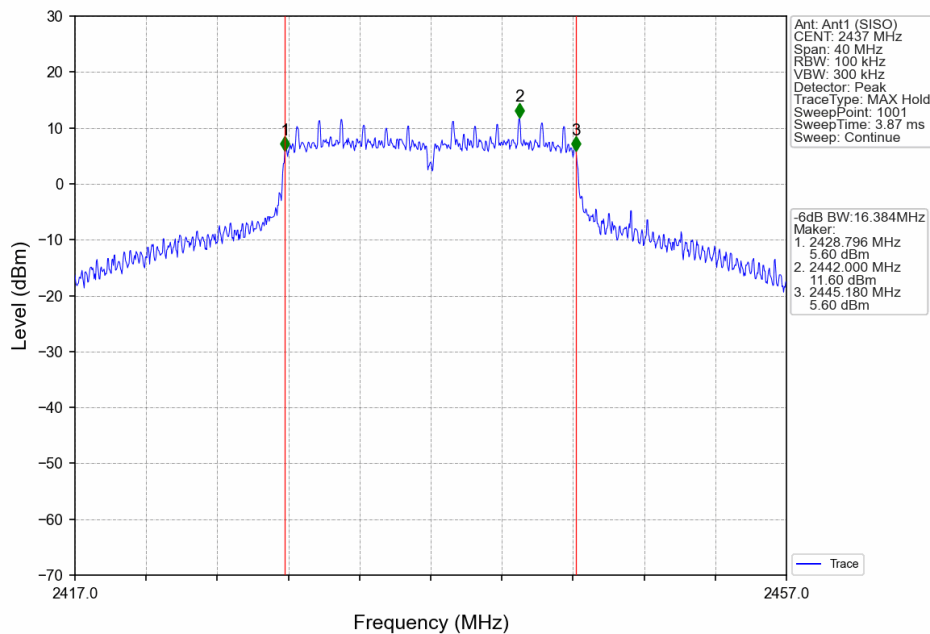
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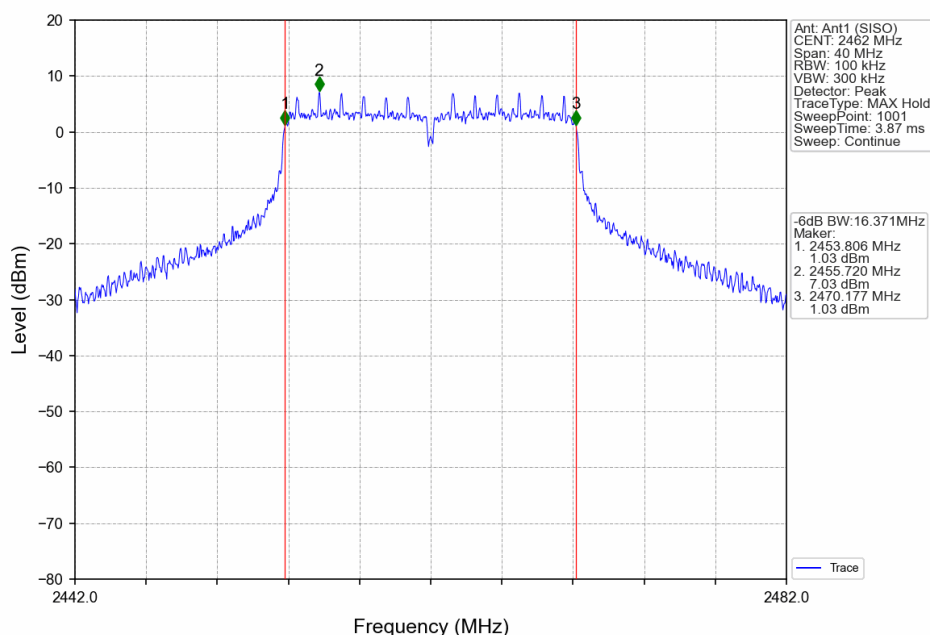
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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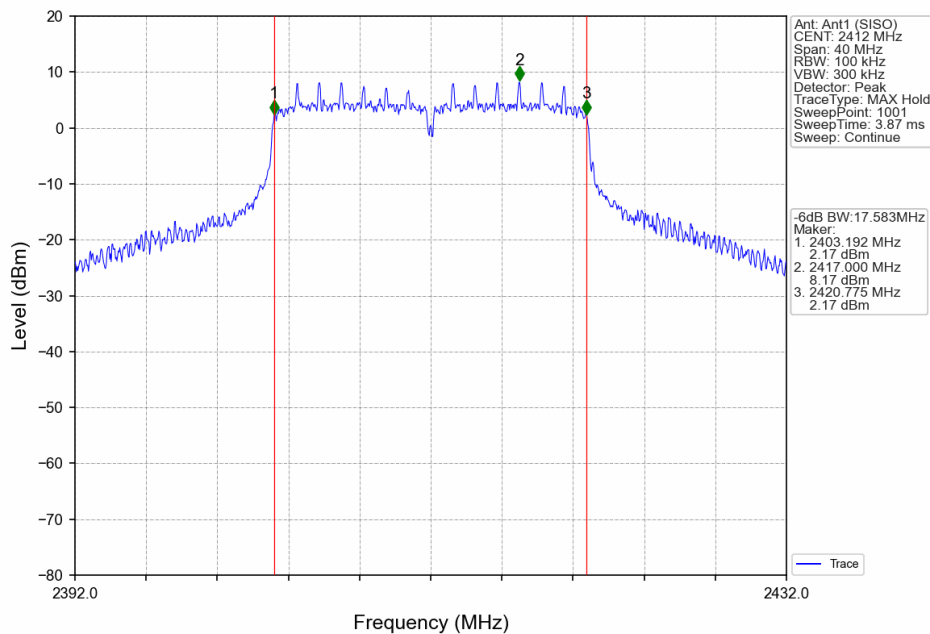
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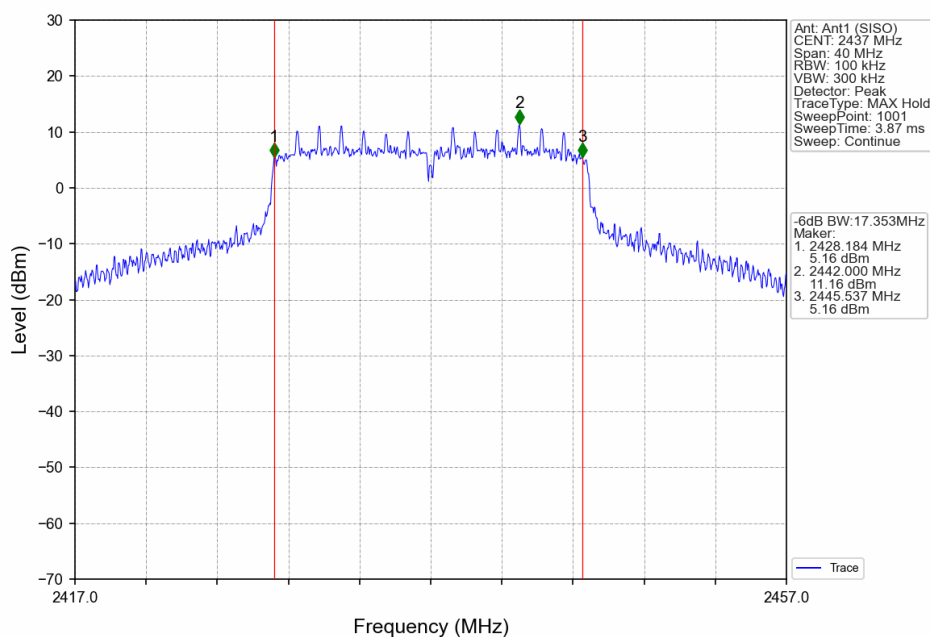
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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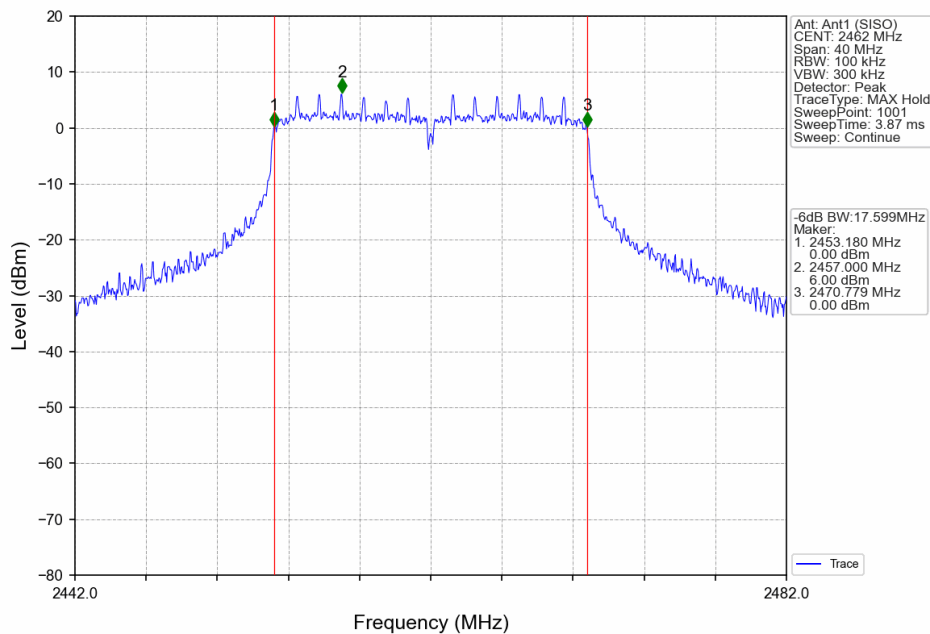
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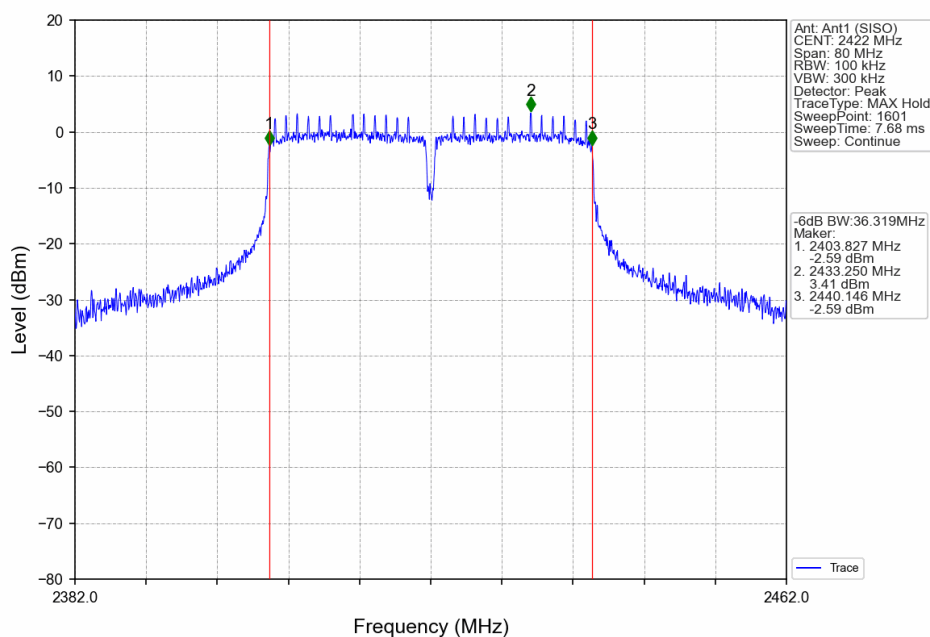
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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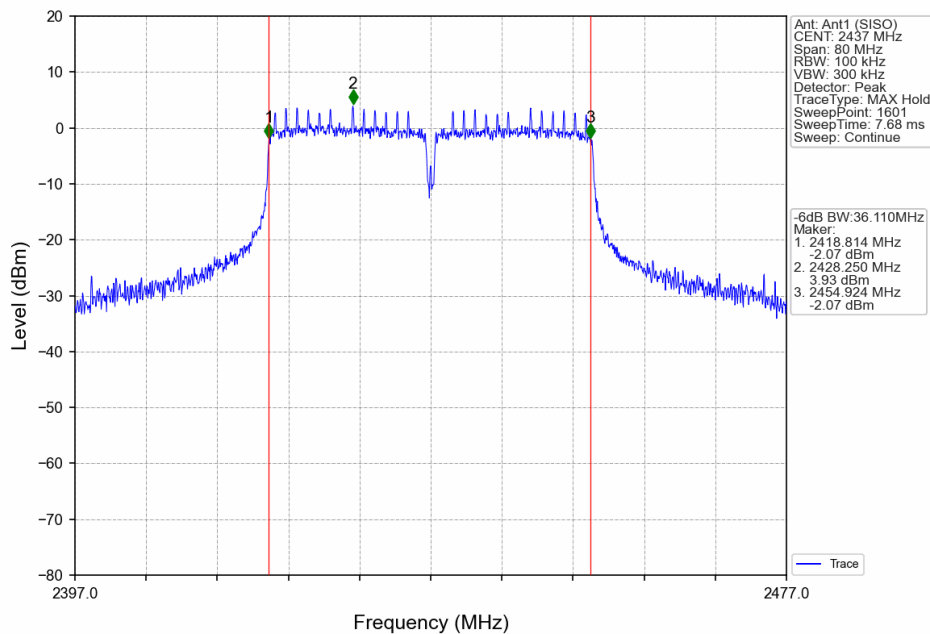
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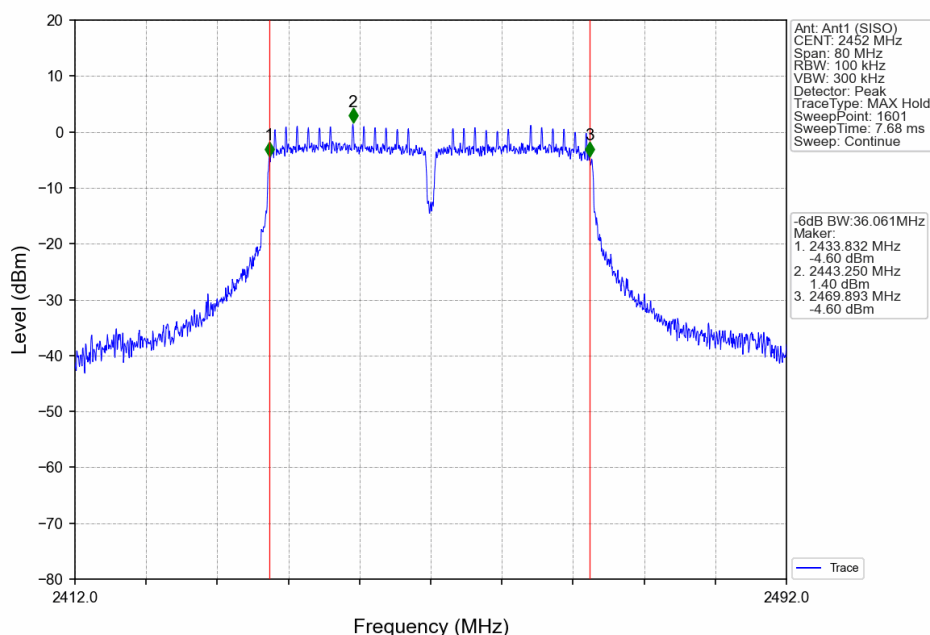
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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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	
802.11b	SISO	2412	22.40	<=30	Pass
		2417	22.73	<=30	Pass
		2437	24.34	<=30	Pass
		2457	22.91	<=30	Pass
		2462	21.76	<=30	Pass
802.11g	SISO	2412	26.85	<=30	Pass
		2417	27.63	<=30	Pass
		2437	29.67	<=30	Pass
		2457	27.20	<=30	Pass
		2462	25.70	<=30	Pass
802.11n (HT20)	SISO	2412	26.79	<=30	Pass
		2417	27.40	<=30	Pass
		2437	29.36	<=30	Pass
		2457	26.24	<=30	Pass
		2462	24.70	<=30	Pass
802.11n (HT40)	SISO	2422	25.43	<=30	Pass
		2427	25.73	<=30	Pass
		2437	25.61	<=30	Pass
		2447	25.09	<=30	Pass
		2452	23.14	<=30	Pass

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	19.68	<=30	Pass
		2417	20.03	<=30	Pass
		2437	21.79	<=30	Pass
		2457	20.30	<=30	Pass
		2462	19.03	<=30	Pass
802.11g	SISO	2412	19.03	<=30	Pass
		2417	20.82	<=30	Pass



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		2437	21.73	<=30	Pass
		2457	19.46	<=30	Pass
		2462	18.00	<=30	Pass
802.11n (HT20)	SISO	2412	19.00	<=30	Pass
		2417	20.44	<=30	Pass
		2437	21.32	<=30	Pass
		2457	19.59	<=30	Pass
		2462	17.02	<=30	Pass
802.11n (HT40)	SISO	2422	17.39	<=30	Pass
		2427	17.53	<=30	Pass
		2437	17.59	<=30	Pass
		2447	17.04	<=30	Pass
		2452	15.22	<=30	Pass

Note1: AV power is for reporting only.



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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	-4.24	<=8	Pass
		2437	-2.56	<=8	Pass
		2462	-5.11	<=8	Pass
802.11g	SISO	2412	-6.55	<=8	Pass
		2437	-2.35	<=8	Pass
		2462	-7.91	<=8	Pass
802.11n (HT20)	SISO	2412	-7.03	<=8	Pass
		2437	-2.74	<=8	Pass
		2462	-8.66	<=8	Pass
802.11n (HT40)	SISO	2422	-11.16	<=8	Pass
		2437	-10.88	<=8	Pass
		2452	-12.80	<=8	Pass



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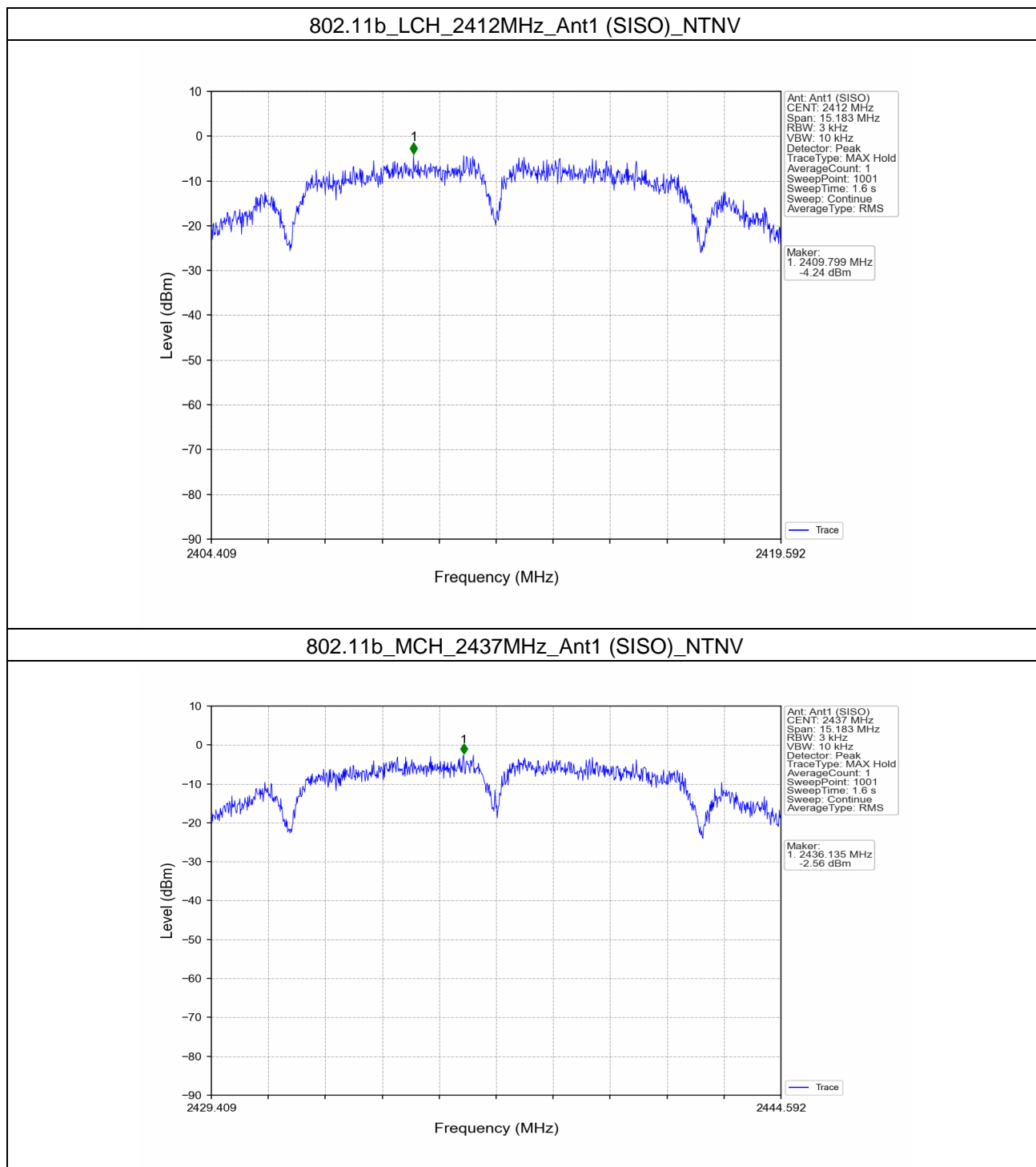
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4.1.2 Test Graph



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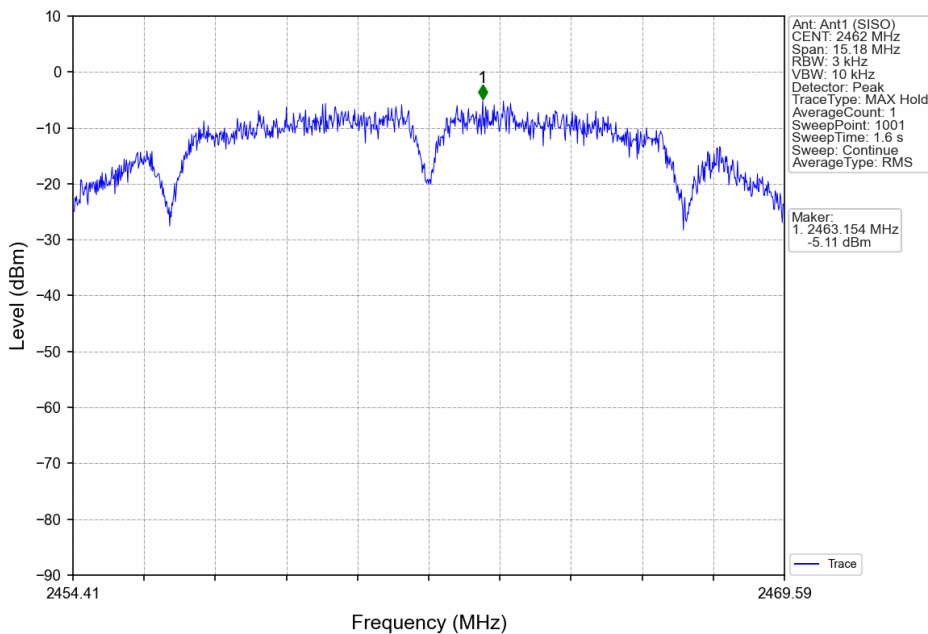
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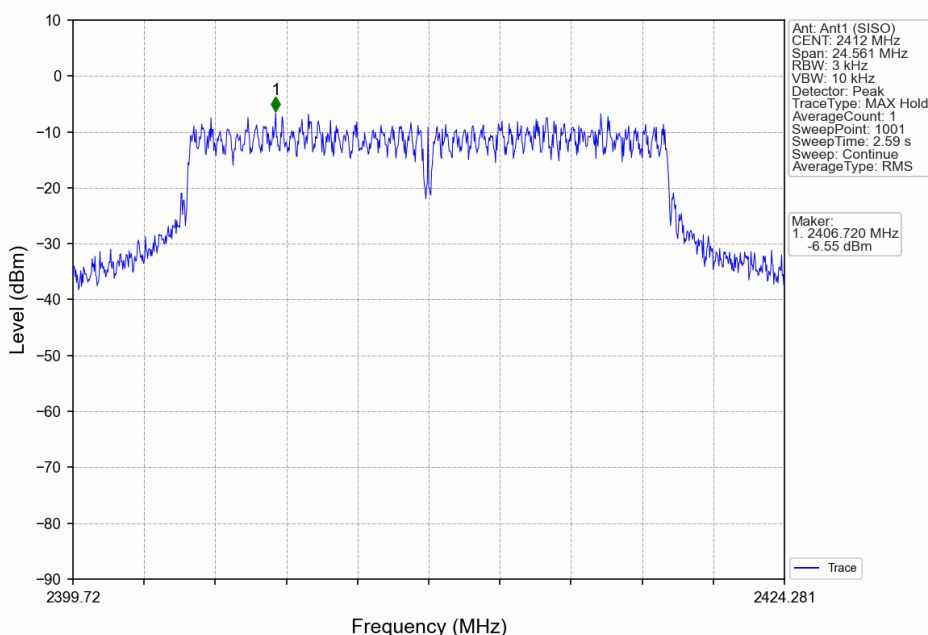
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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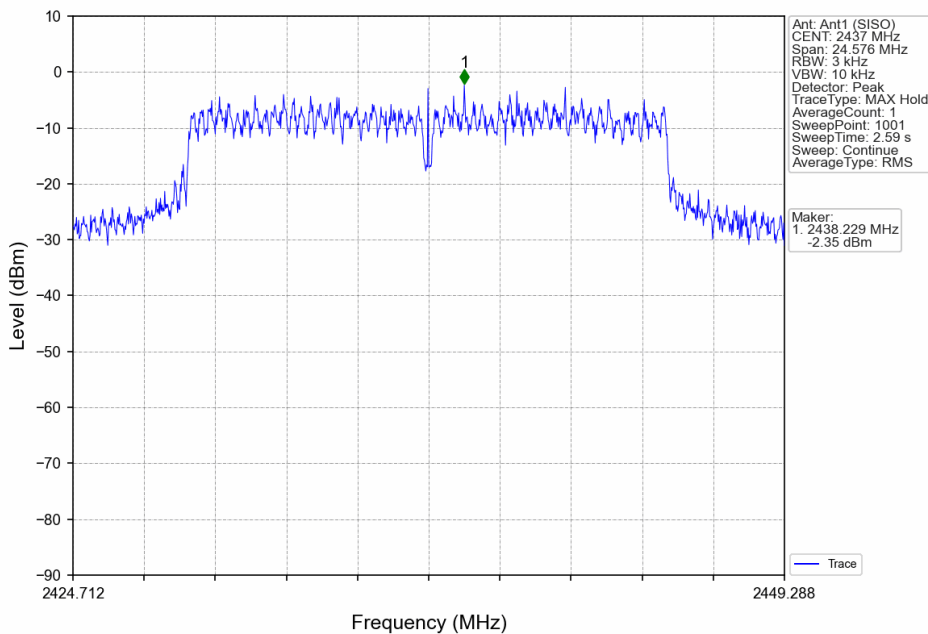
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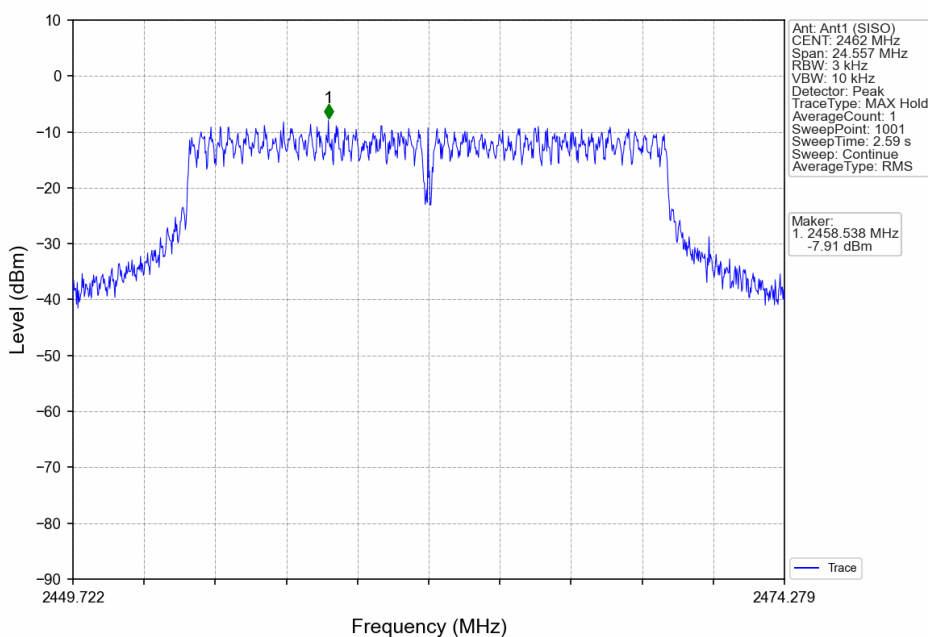
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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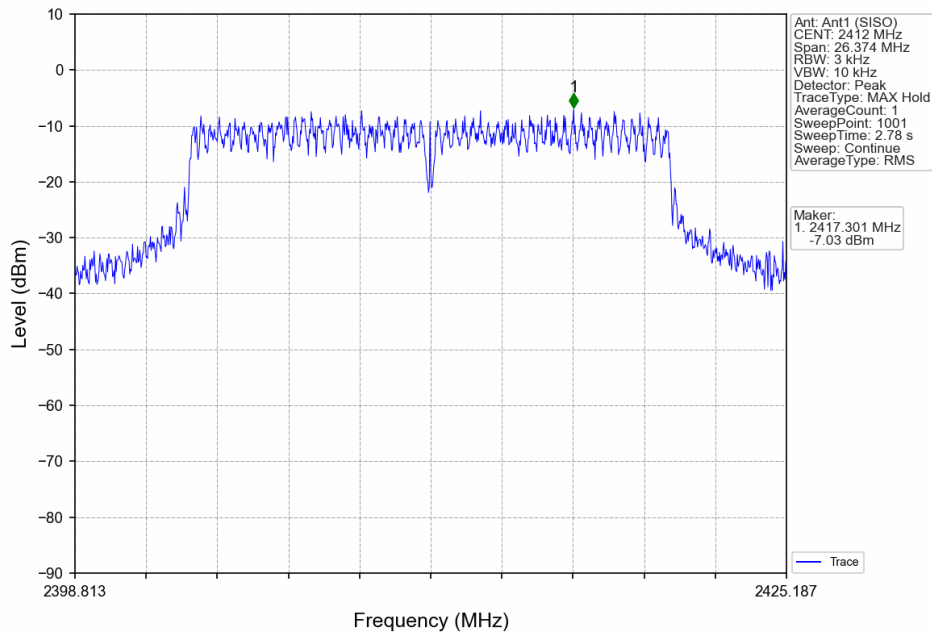
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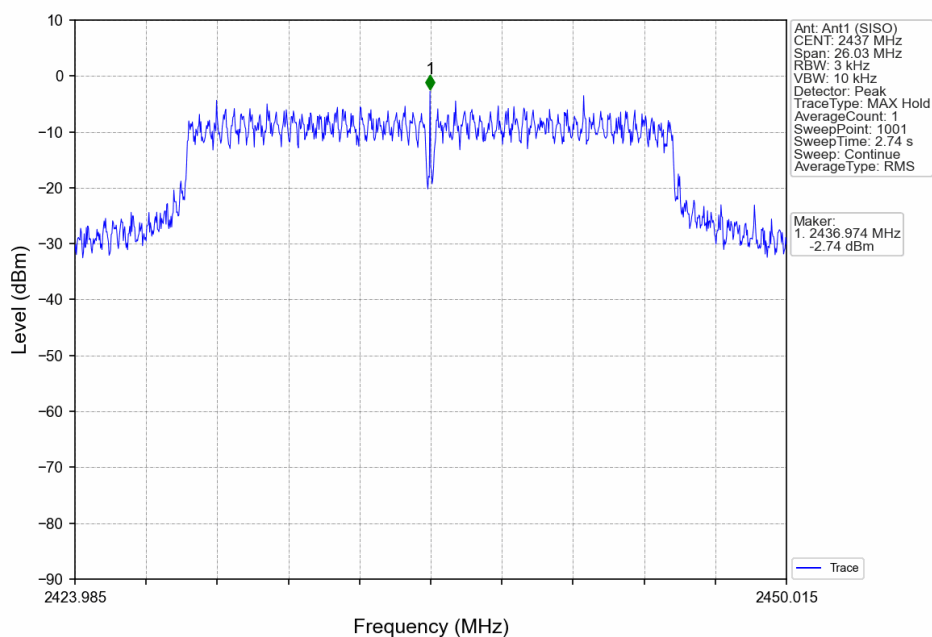
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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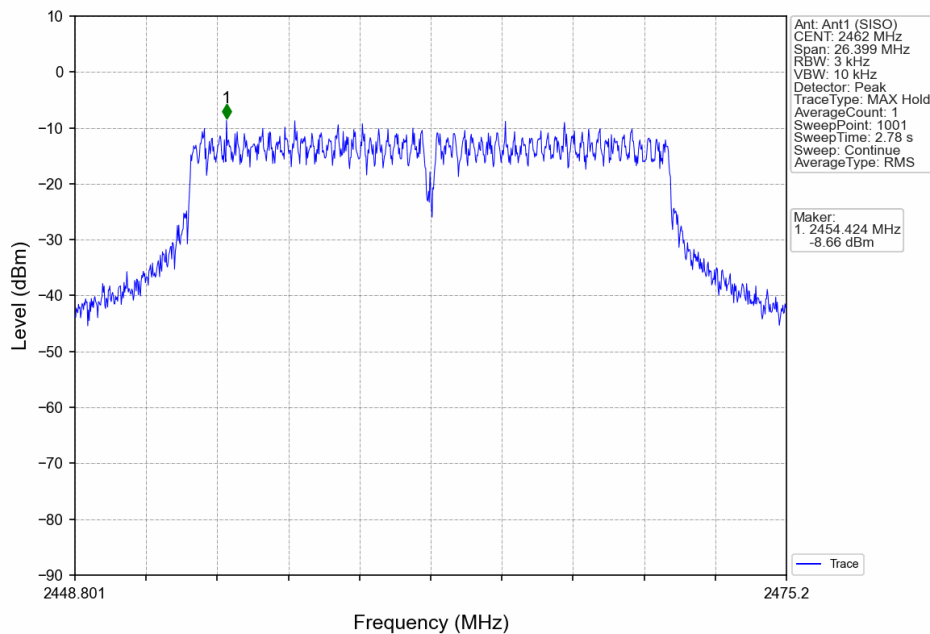
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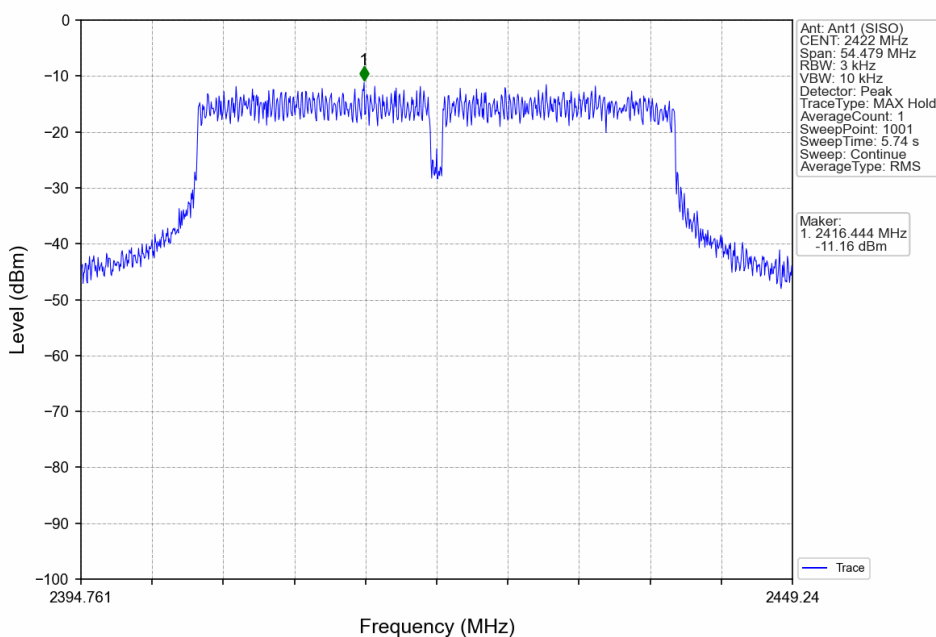
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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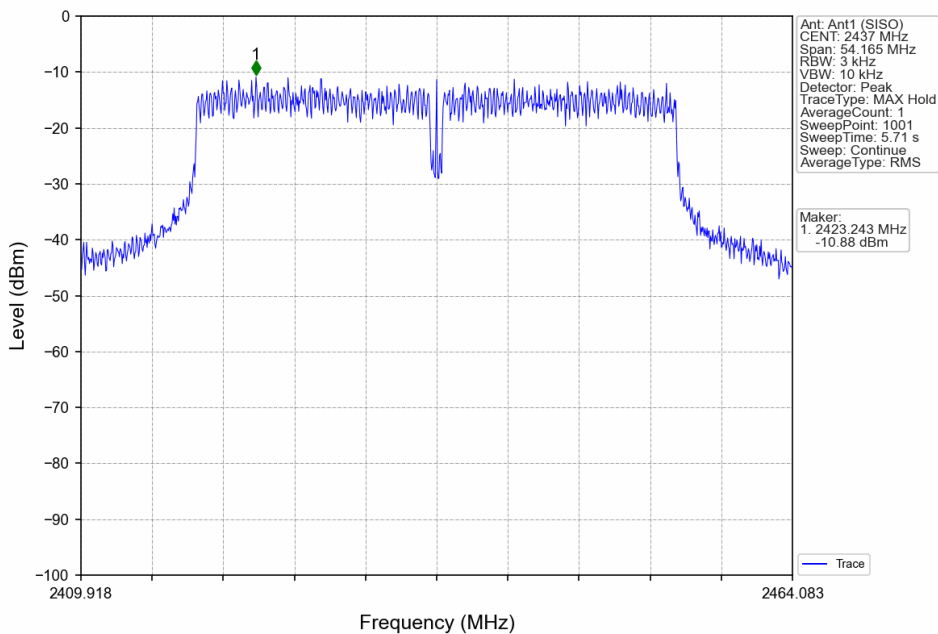
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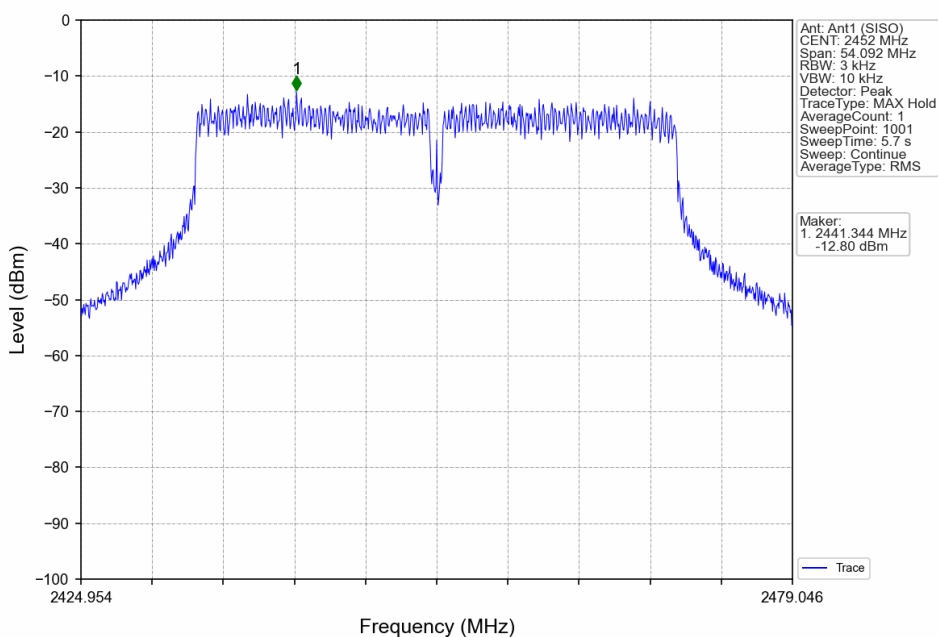
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions 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	10.34
		2437	1	12.21
		2462	1	9.43
802.11g	SISO	2412	1	8.22
		2437	1	11.37
		2462	1	6.91
802.11n (HT20)	SISO	2412	1	8.37
		2437	1	10.92
		2462	1	6.03
802.11n (HT40)	SISO	2422	1	3.34
		2437	1	3.82
		2452	1	1.34

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.



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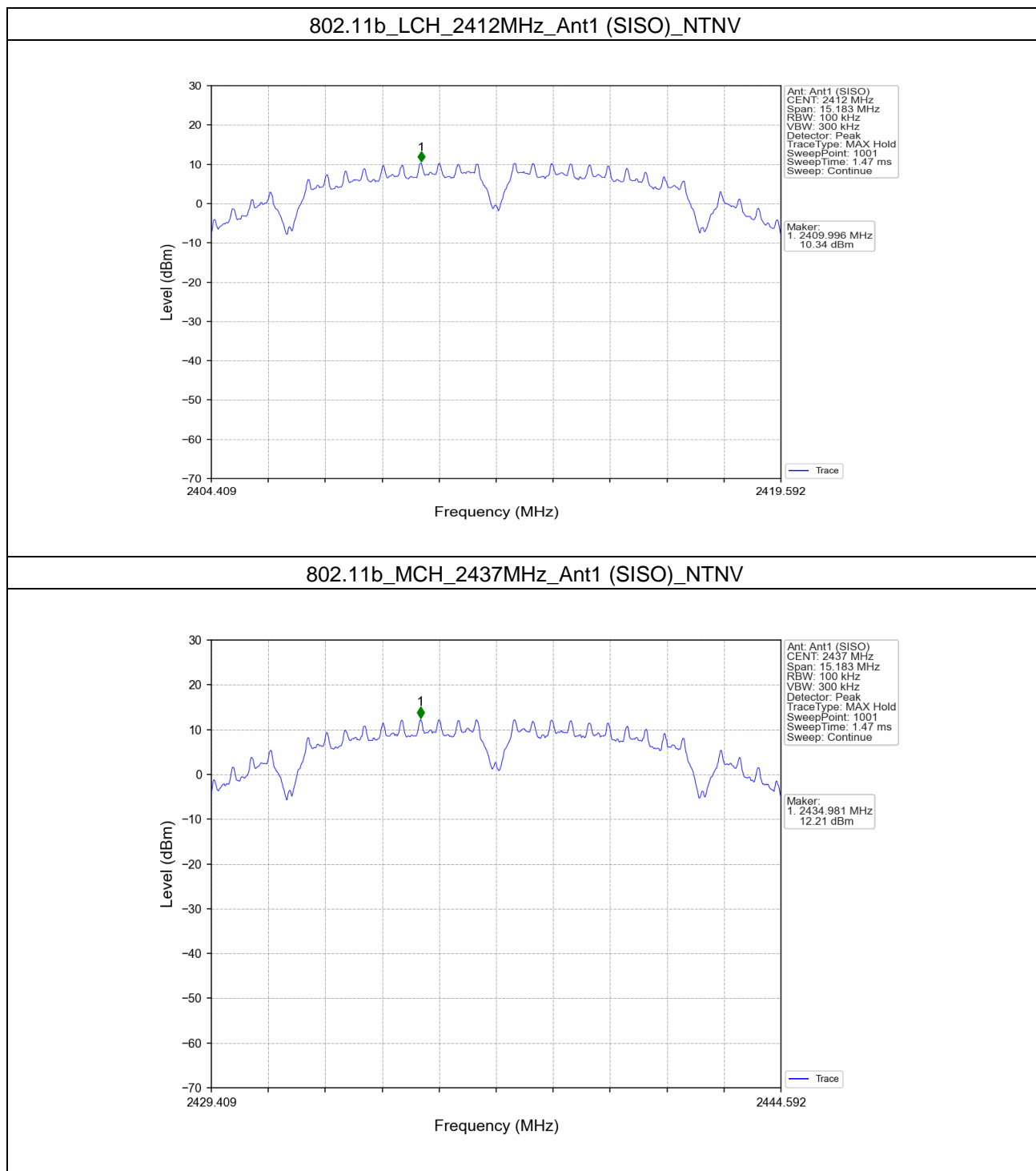
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5.1.2 Test Graph



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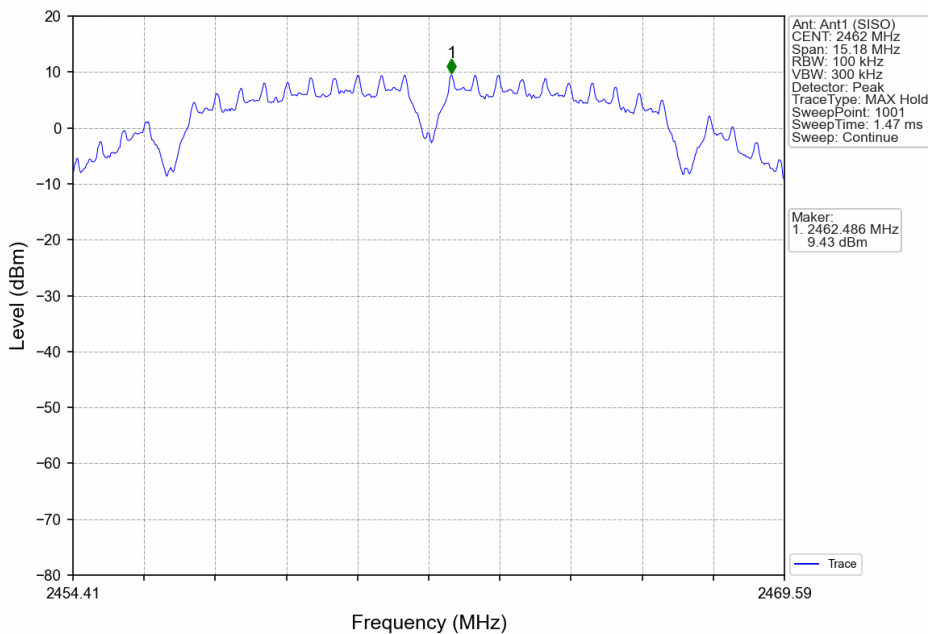
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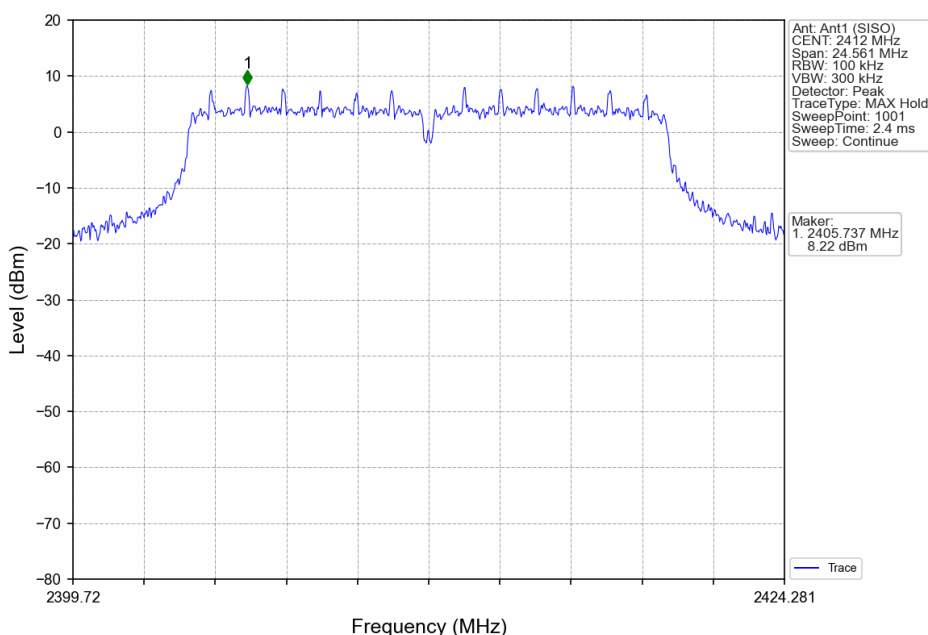
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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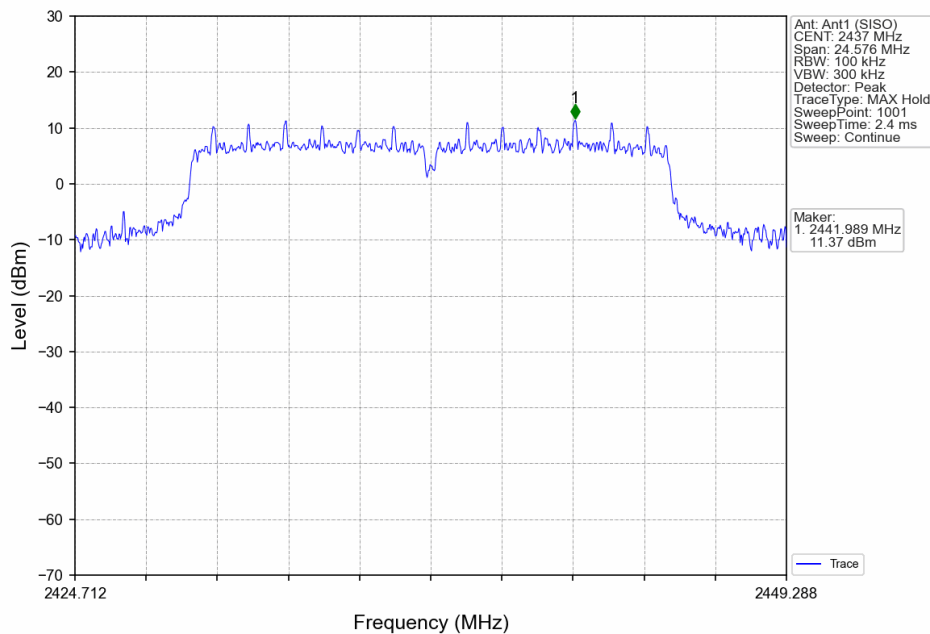
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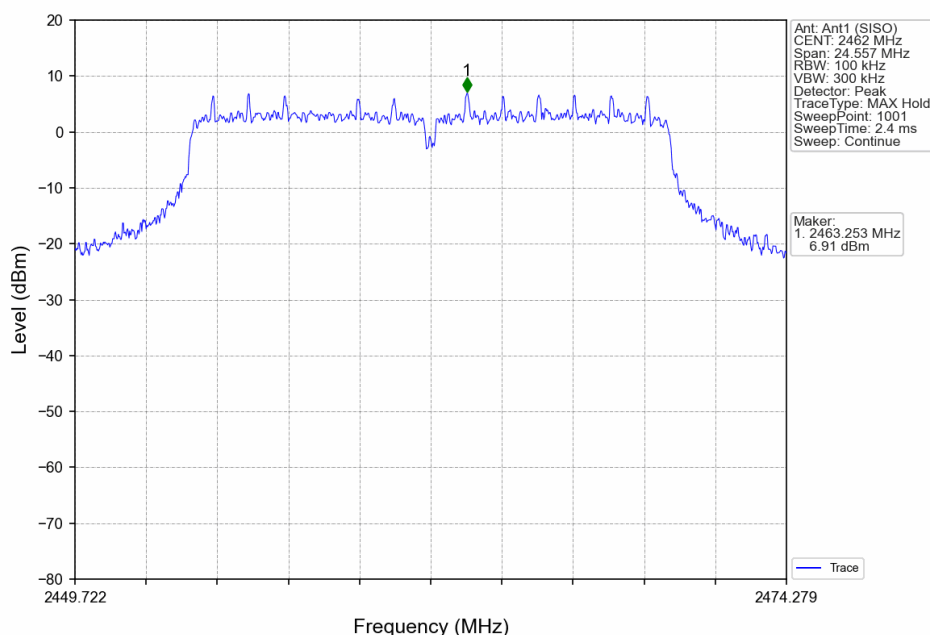
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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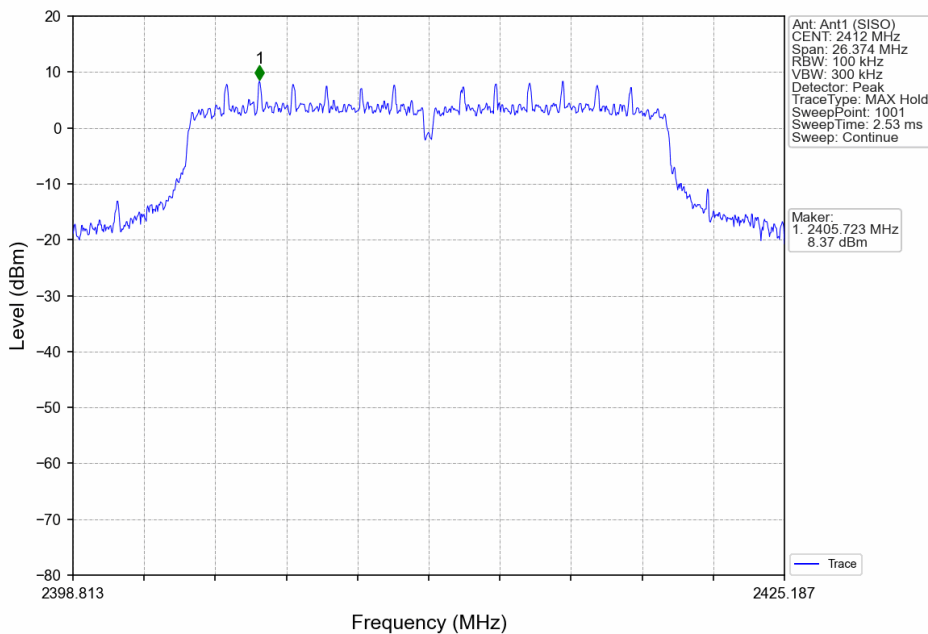
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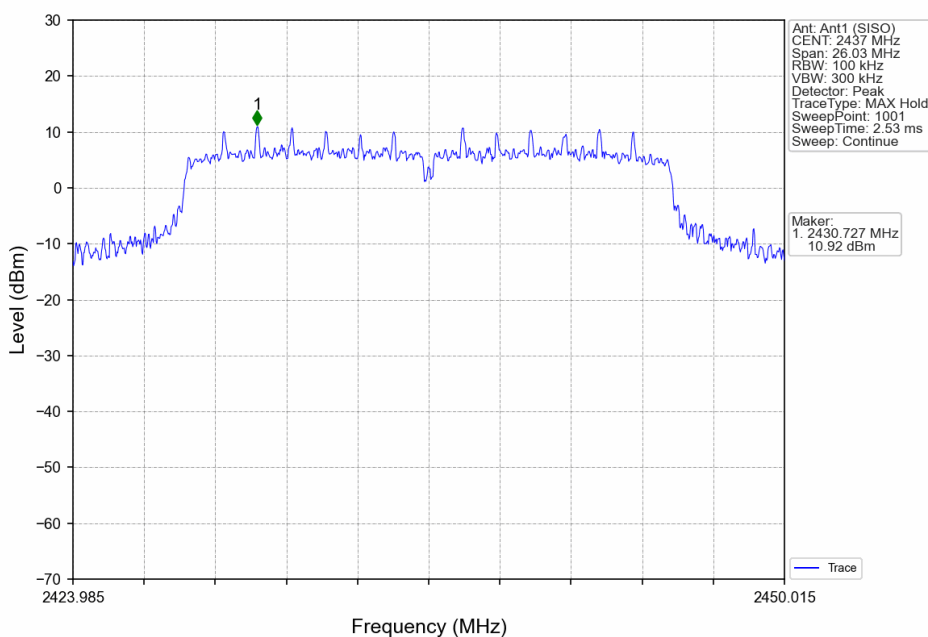
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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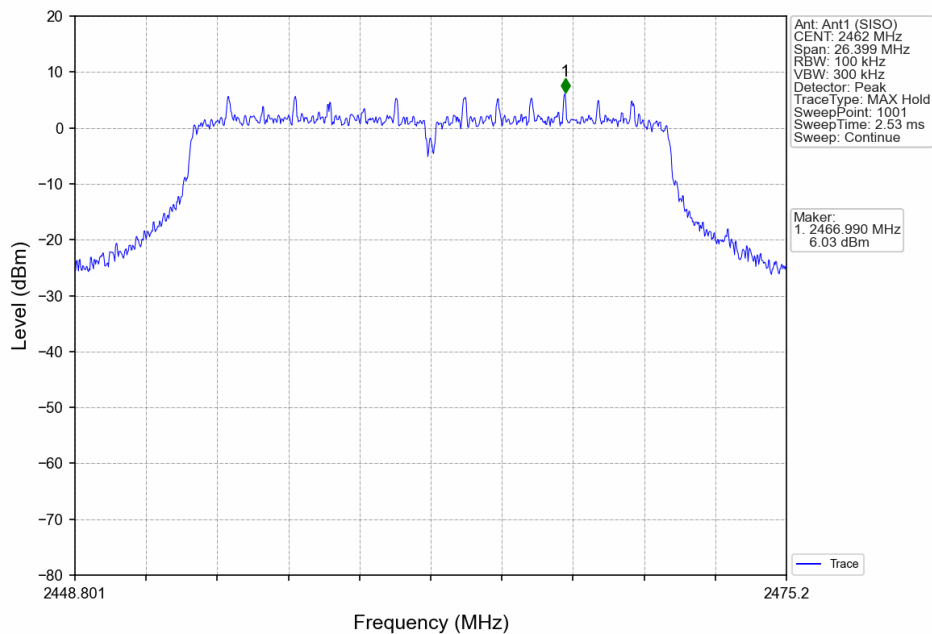
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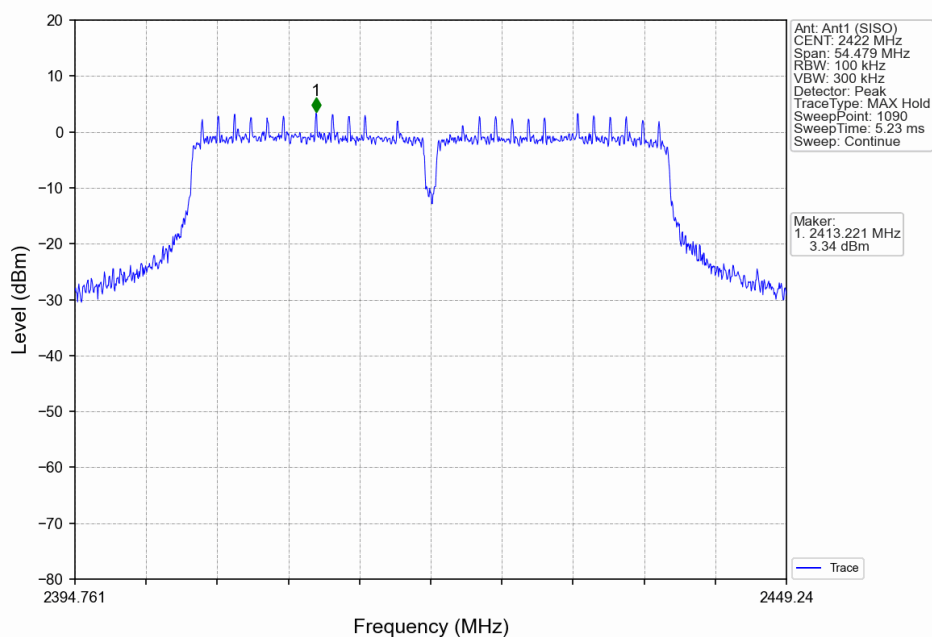
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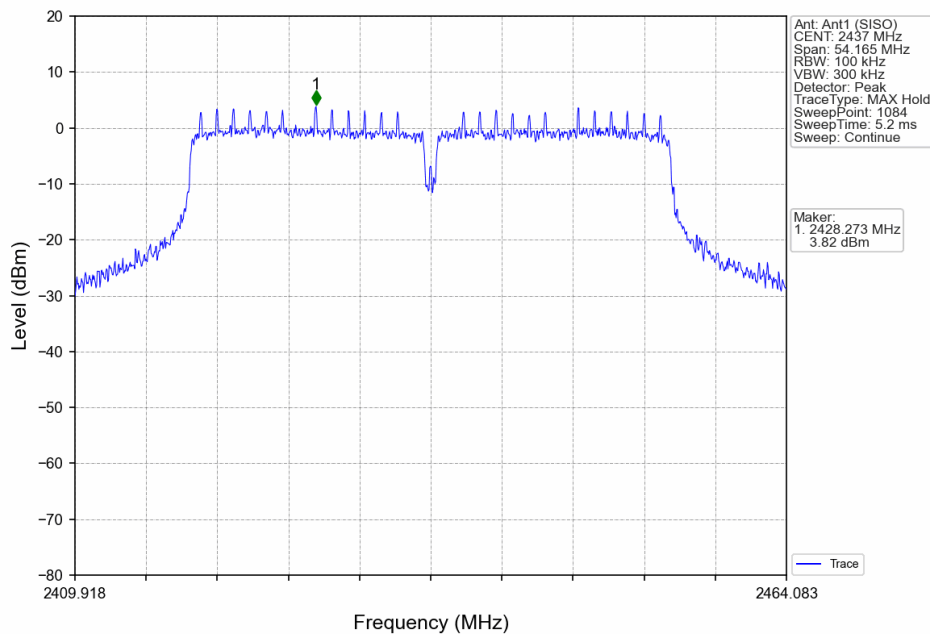
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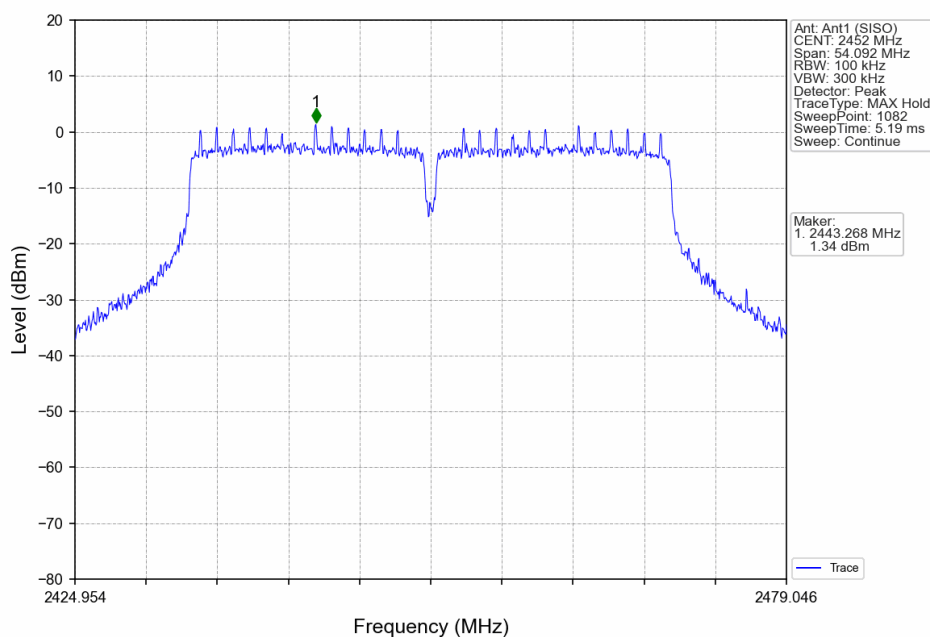
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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	12.21	-7.79	Pass
		2437	1	12.21	-7.79	Pass
		2462	1	12.21	-7.79	Pass
802.11g	SISO	2412	1	11.37	-8.63	Pass
		2437	1	11.37	-8.63	Pass
		2462	1	11.37	-8.63	Pass
802.11n (HT20)	SISO	2412	1	10.92	-9.08	Pass
		2437	1	10.92	-9.08	Pass
		2462	1	10.92	-9.08	Pass
802.11n (HT40)	SISO	2422	1	3.82	-16.18	Pass
		2437	1	3.82	-16.18	Pass
		2452	1	3.82	-16.18	Pass

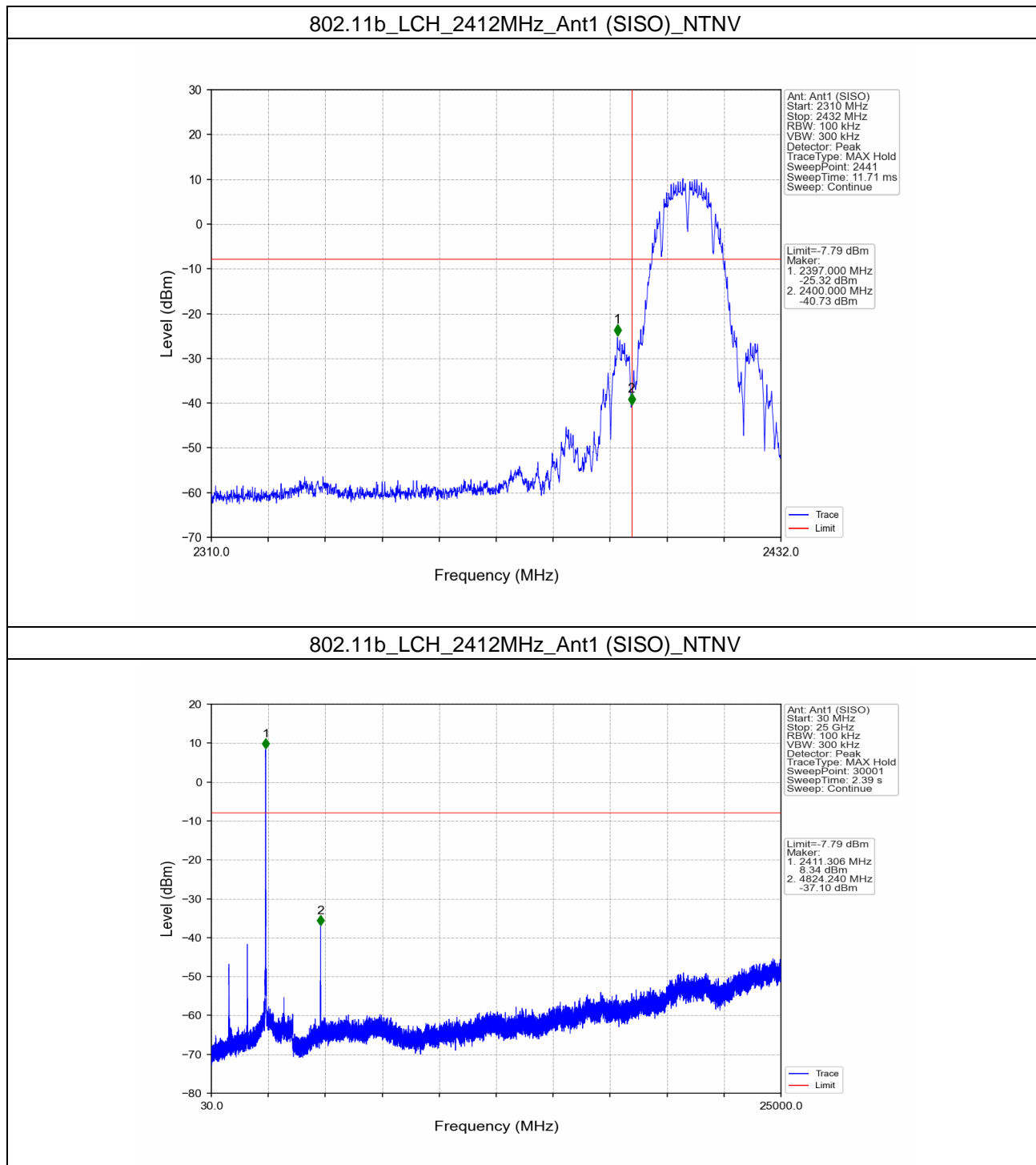
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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5.2.2 Test Graph



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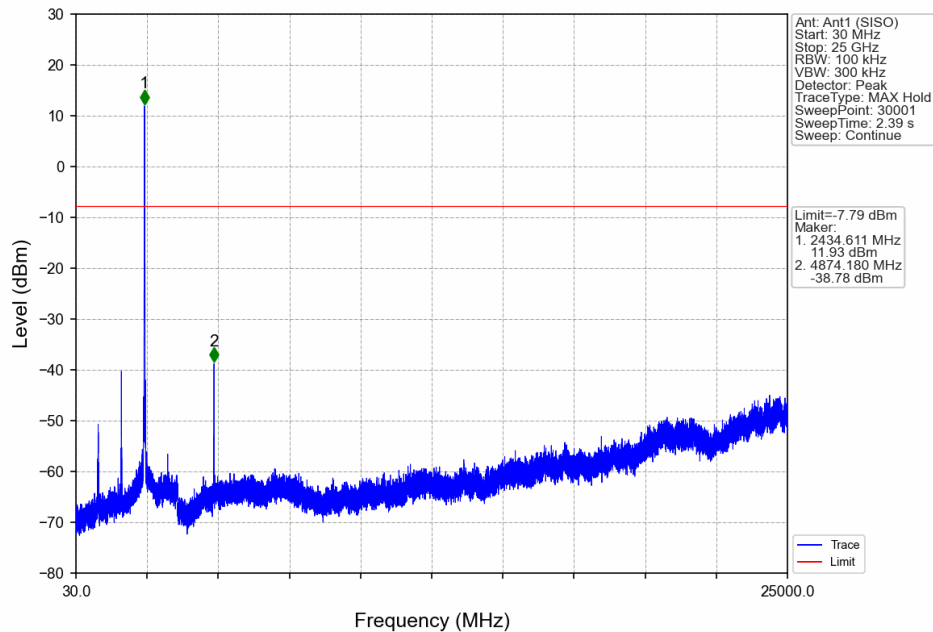
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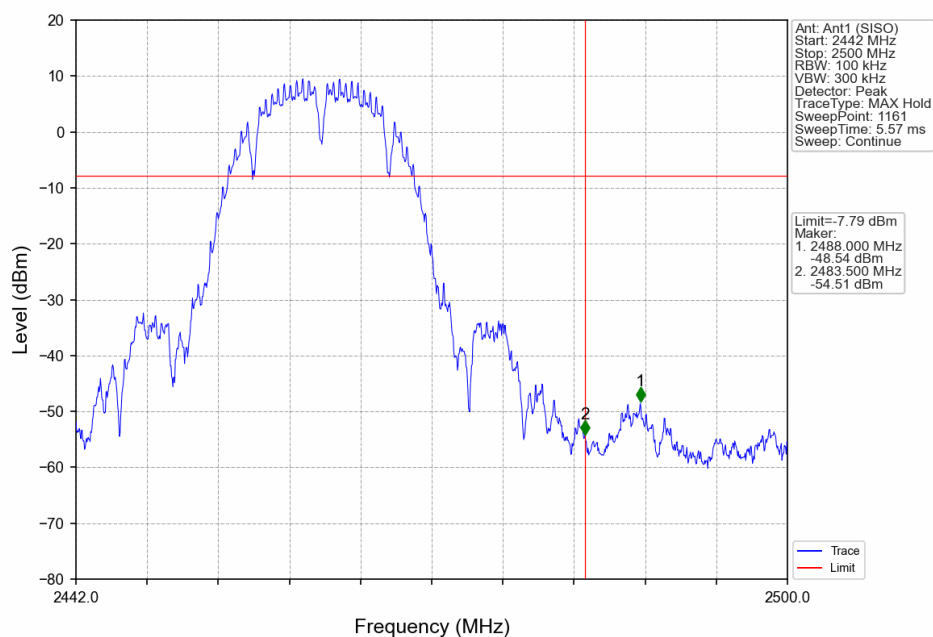
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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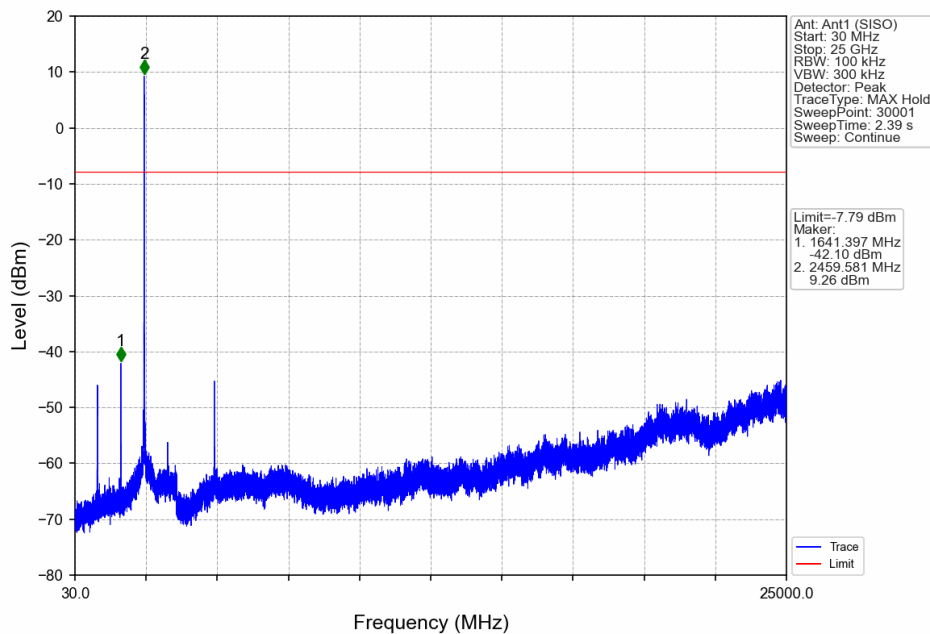
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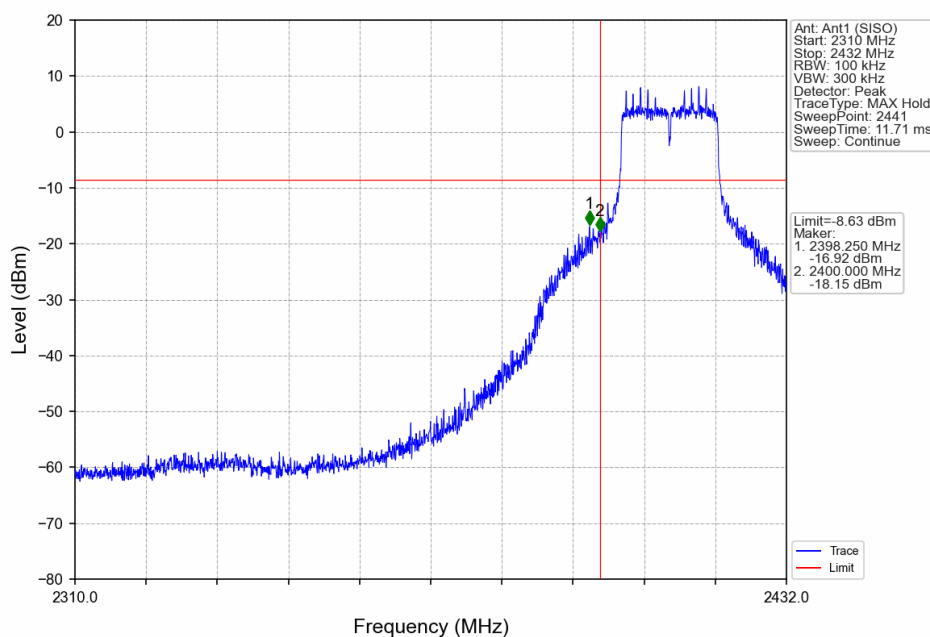
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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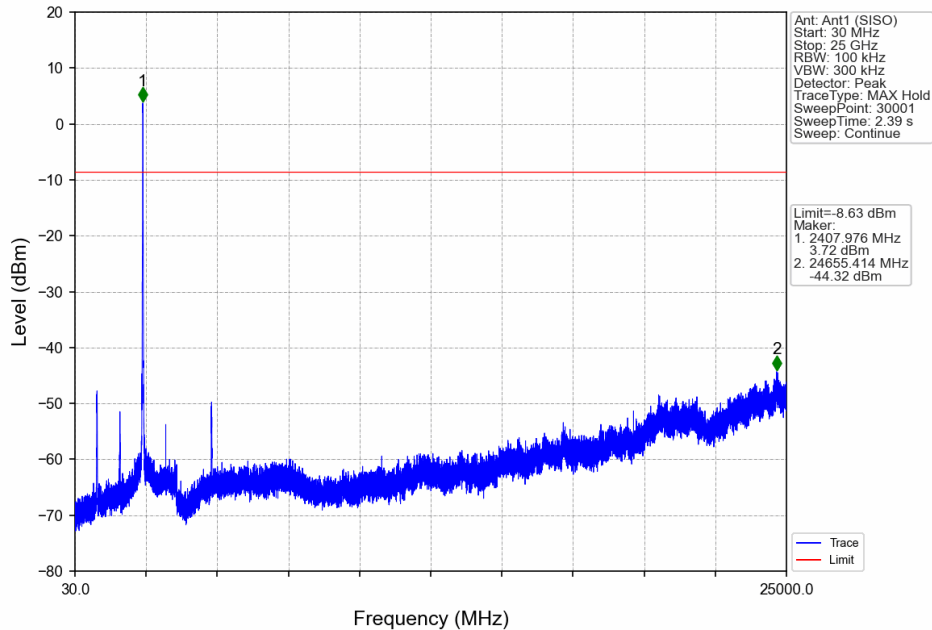
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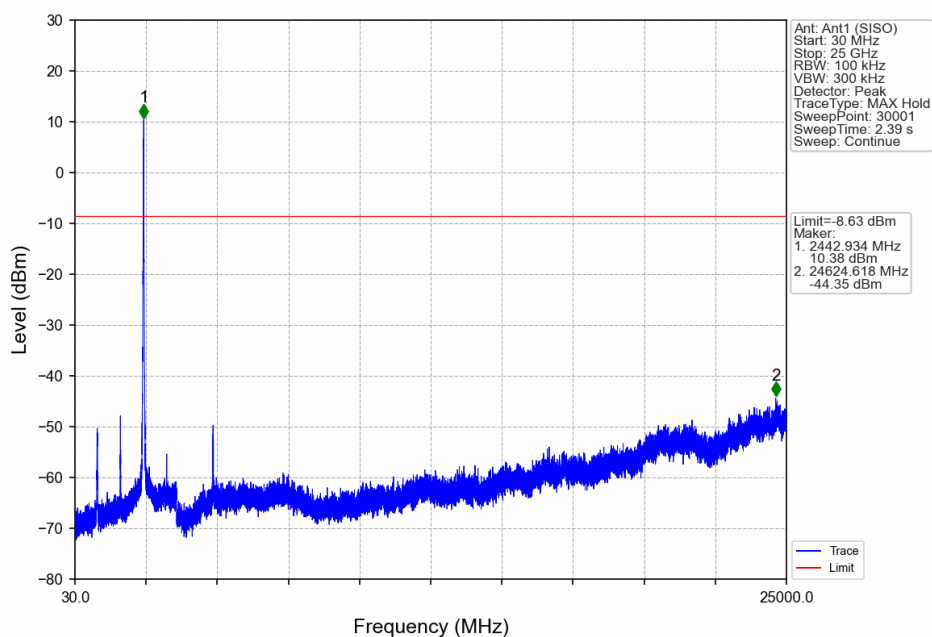
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



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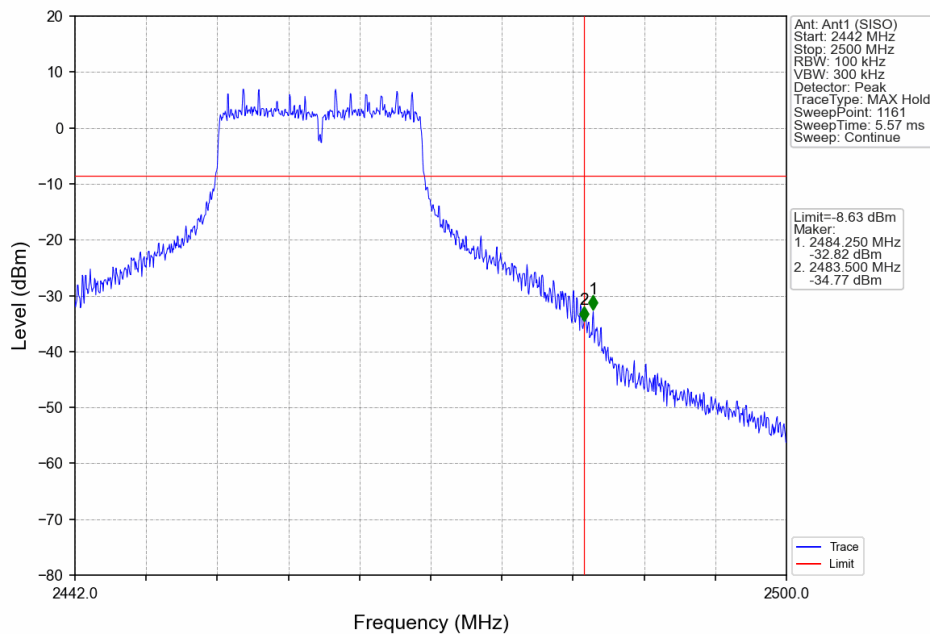
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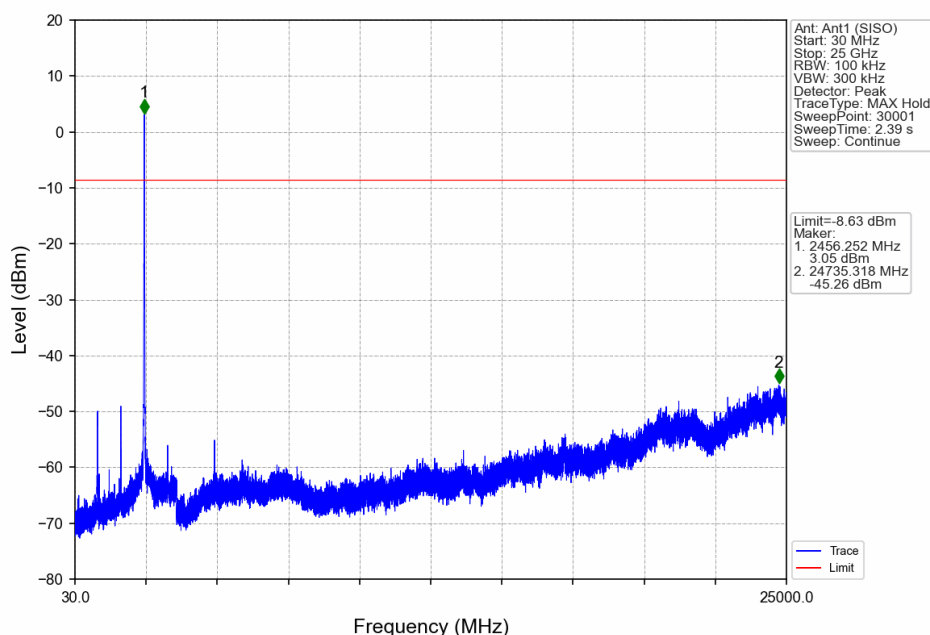
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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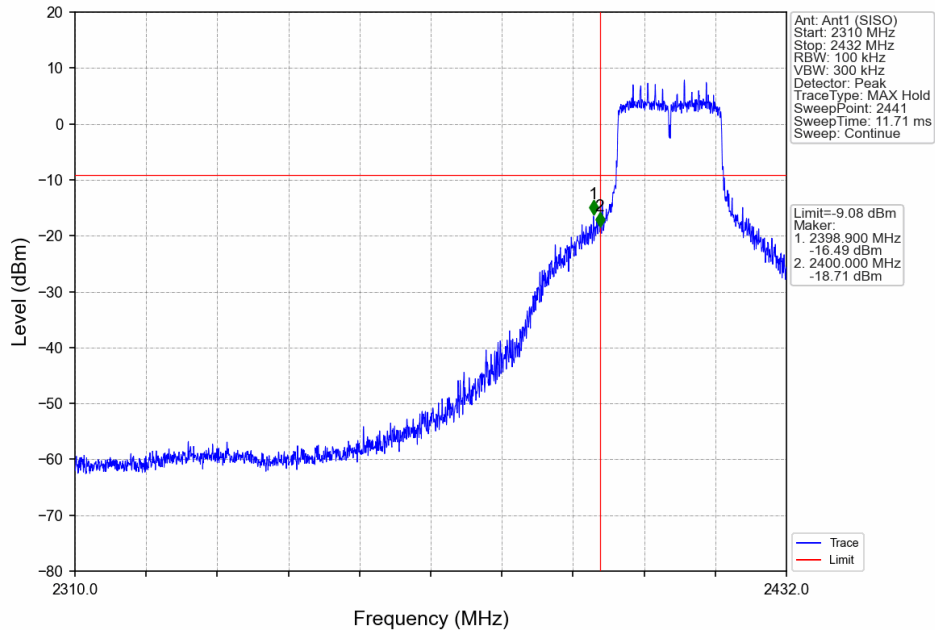
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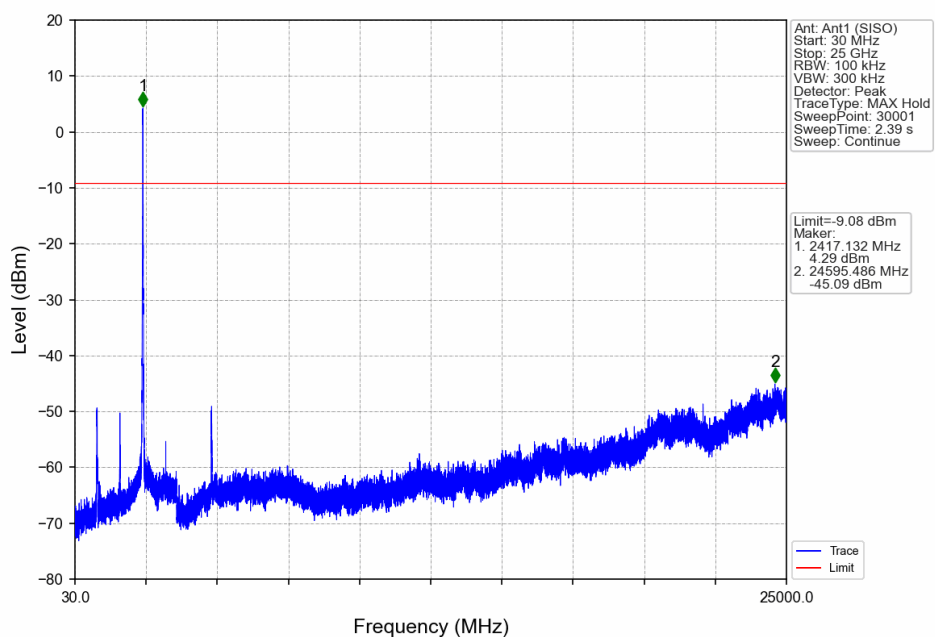
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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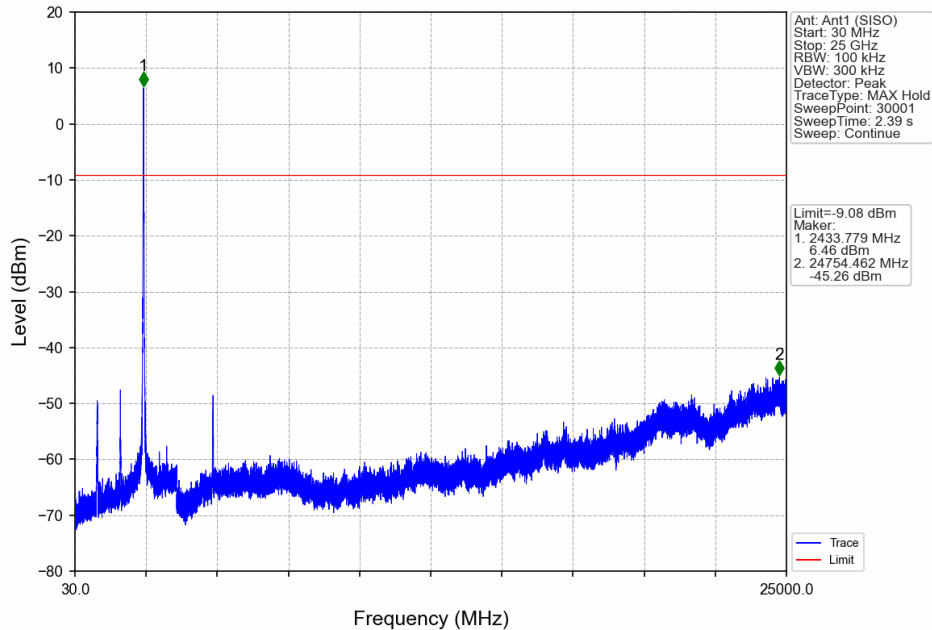
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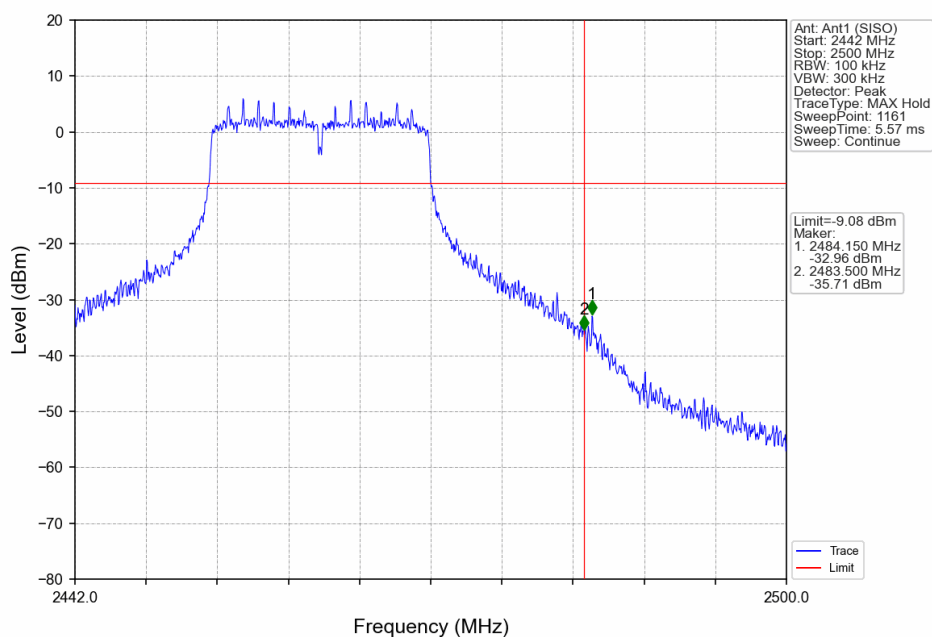
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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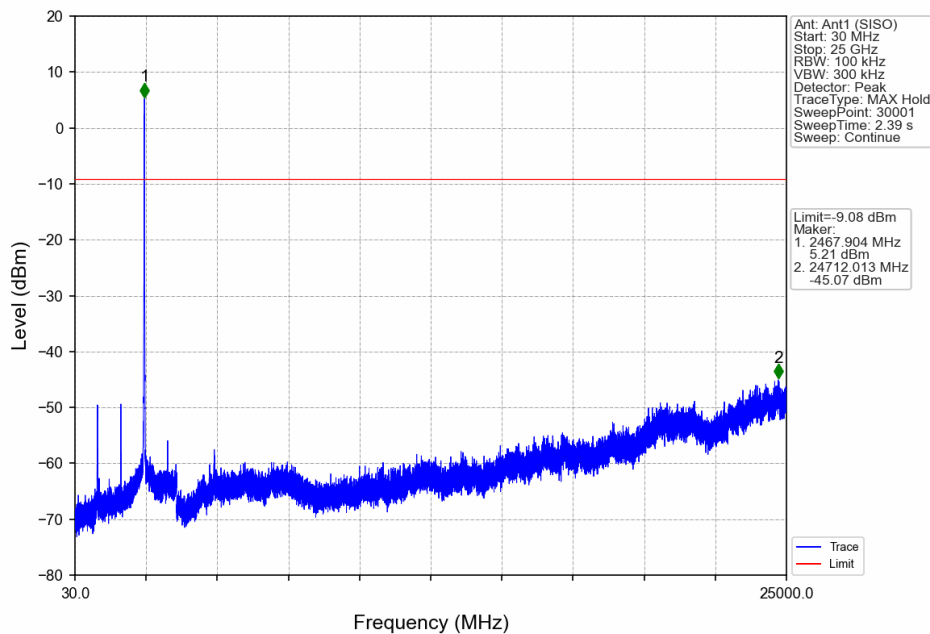
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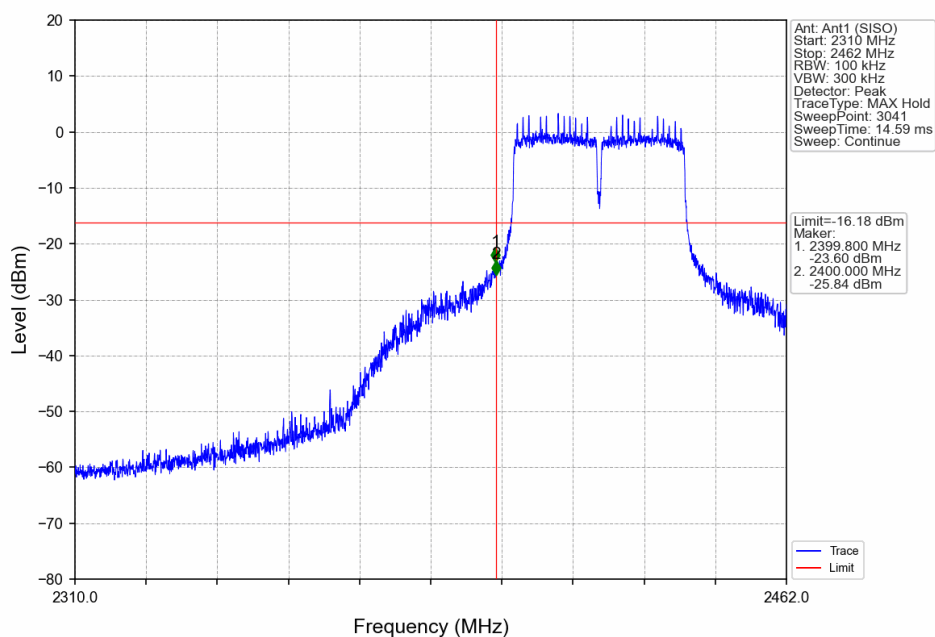
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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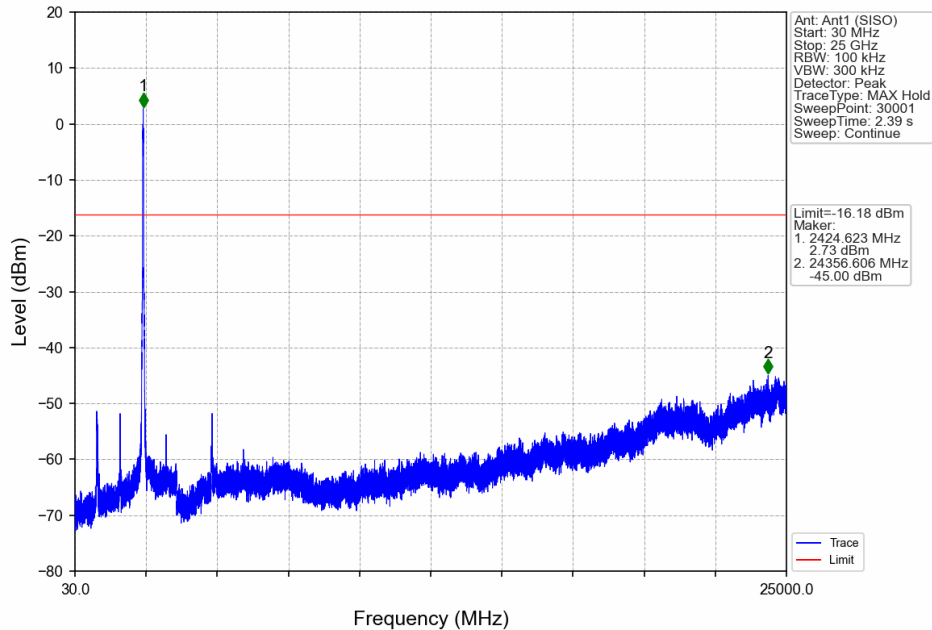
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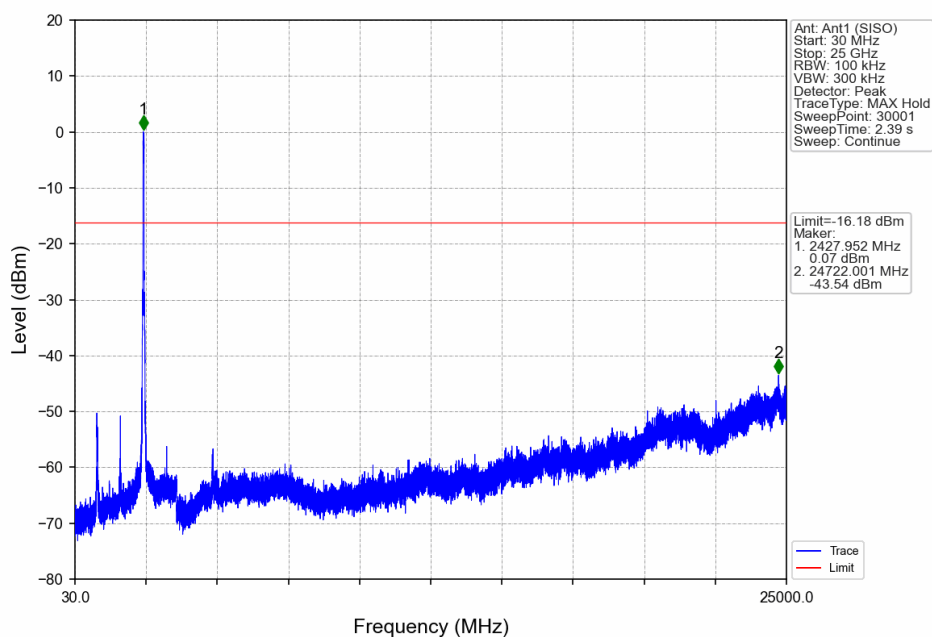
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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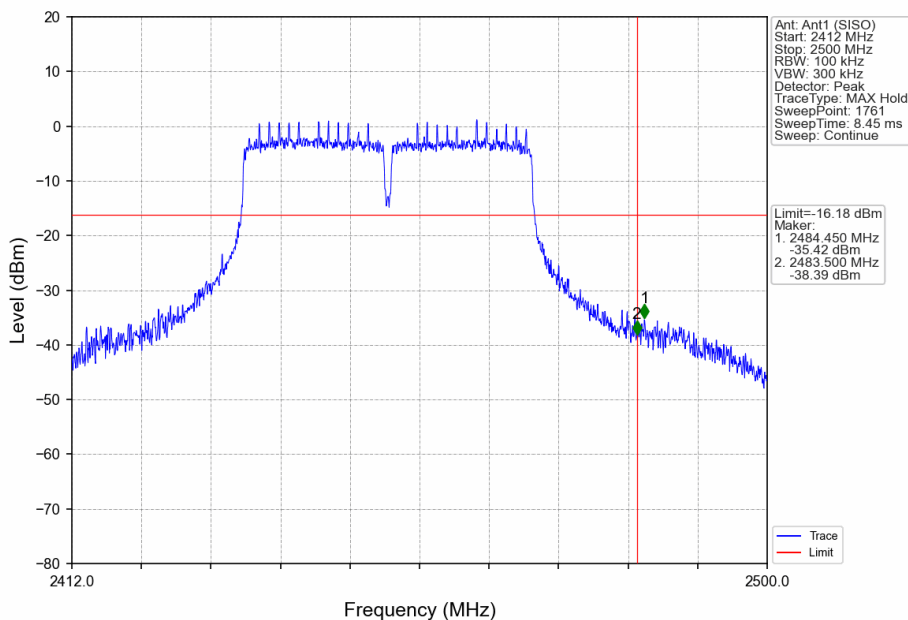
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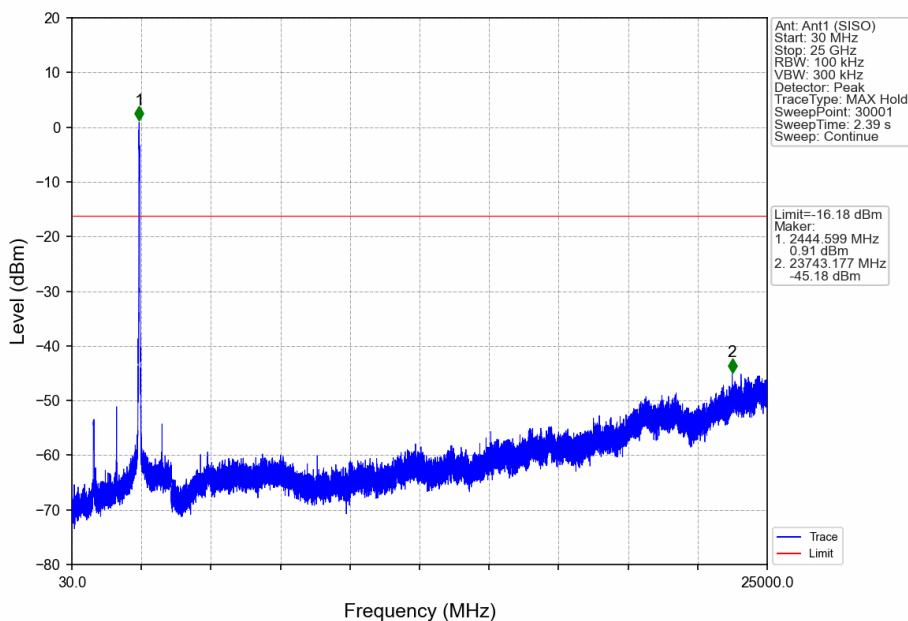
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



- End of the Report -



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