

2. Bandwidth

2.1 Test Result

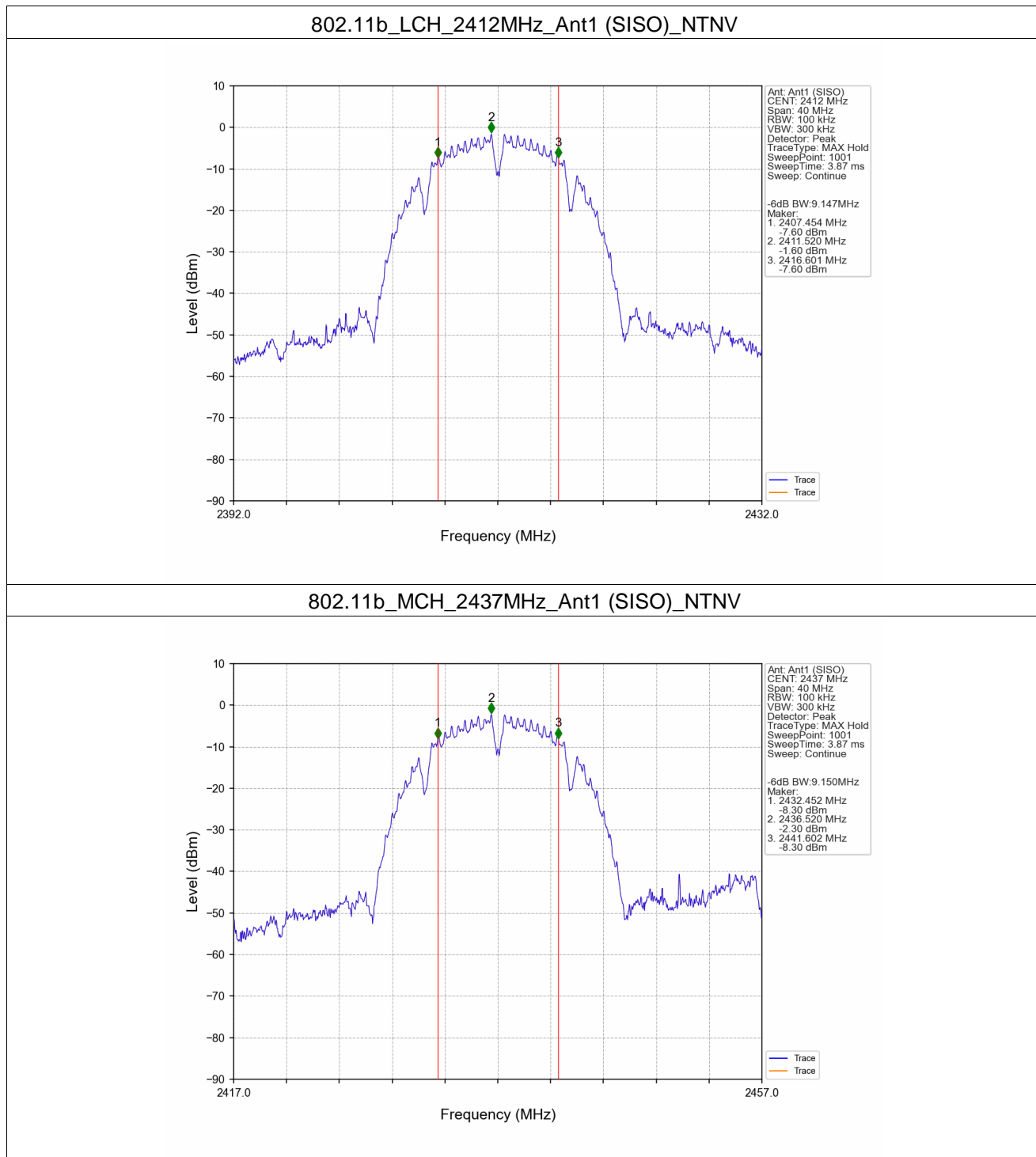
2.1.1 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.147	≥ 0.5	Pass
		2437	1	9.150	≥ 0.5	Pass
		2462	1	9.145	≥ 0.5	Pass
802.11g	SISO	2412	1	16.383	≥ 0.5	Pass
		2437	1	16.355	≥ 0.5	Pass
		2462	1	16.353	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.587	≥ 0.5	Pass
		2437	1	17.566	≥ 0.5	Pass
		2462	1	17.089	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.178	≥ 0.5	Pass
		2437	1	35.175	≥ 0.5	Pass
		2452	1	35.380	≥ 0.5	Pass



2.2 Test Graph

2.2.1 6dB BW



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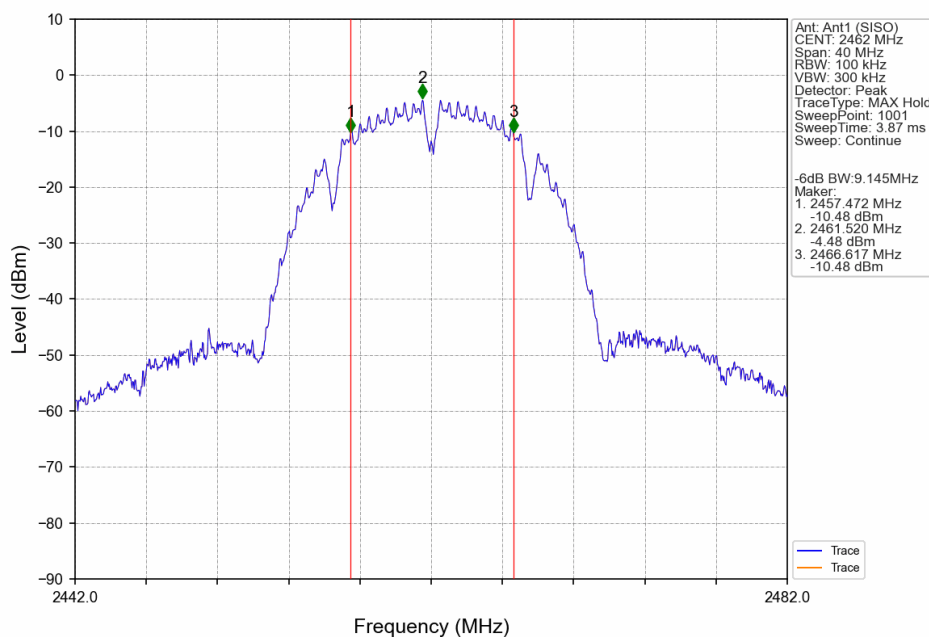
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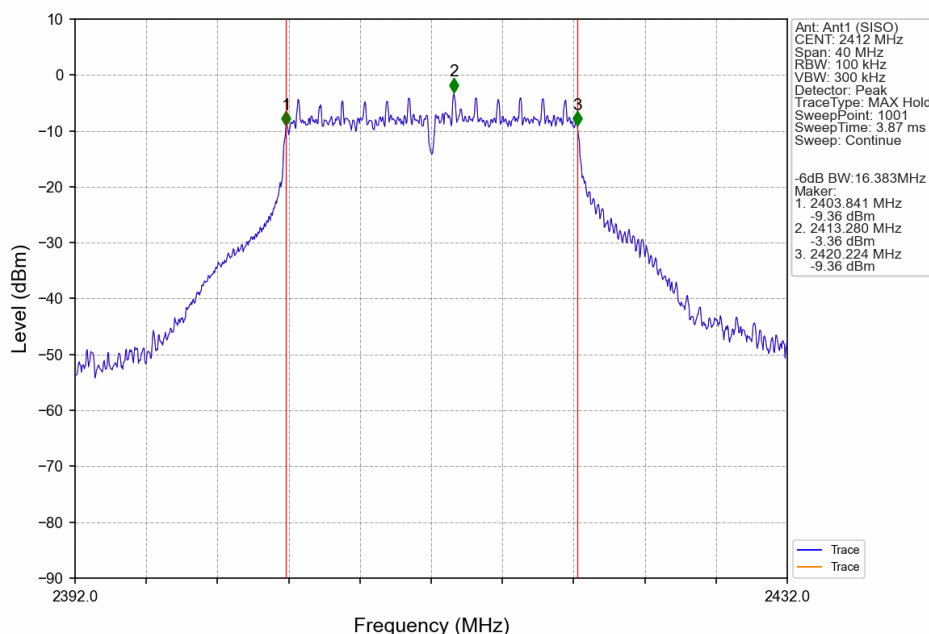
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



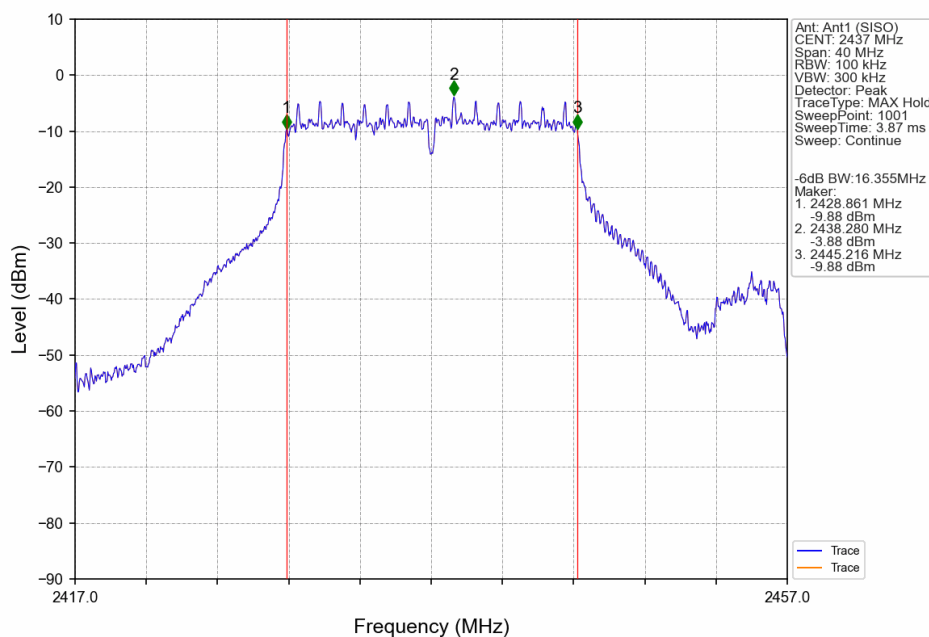
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



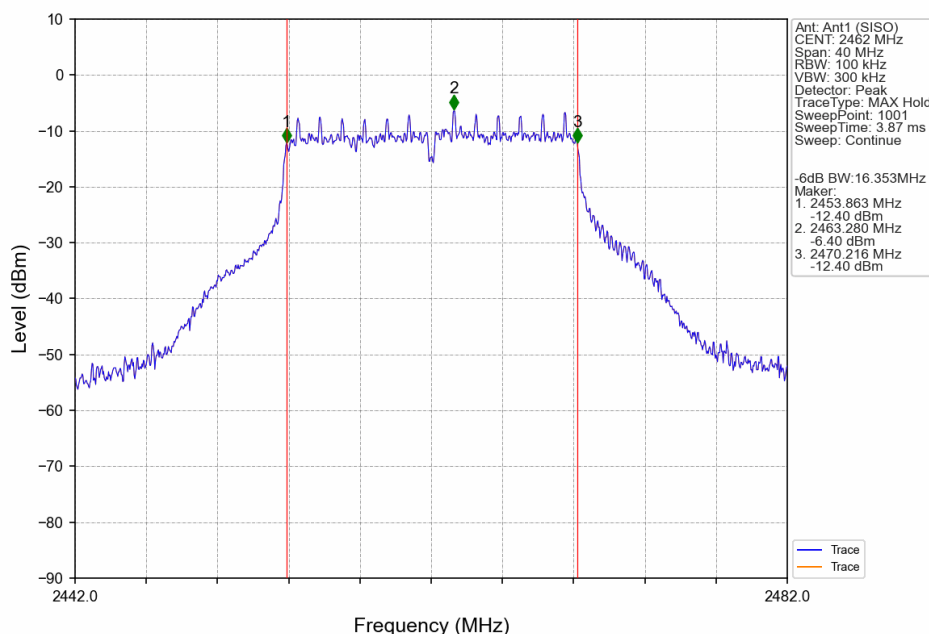
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



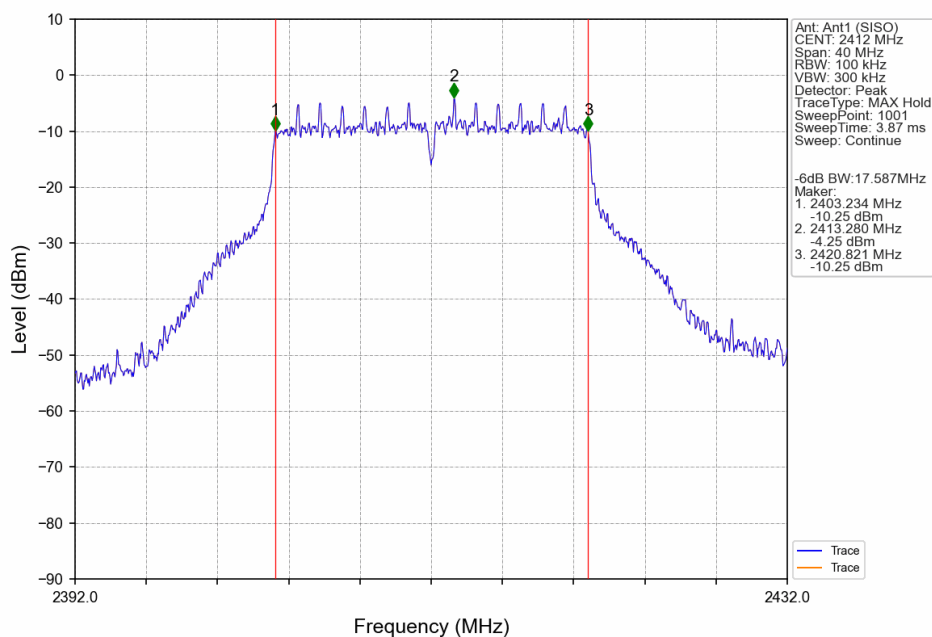
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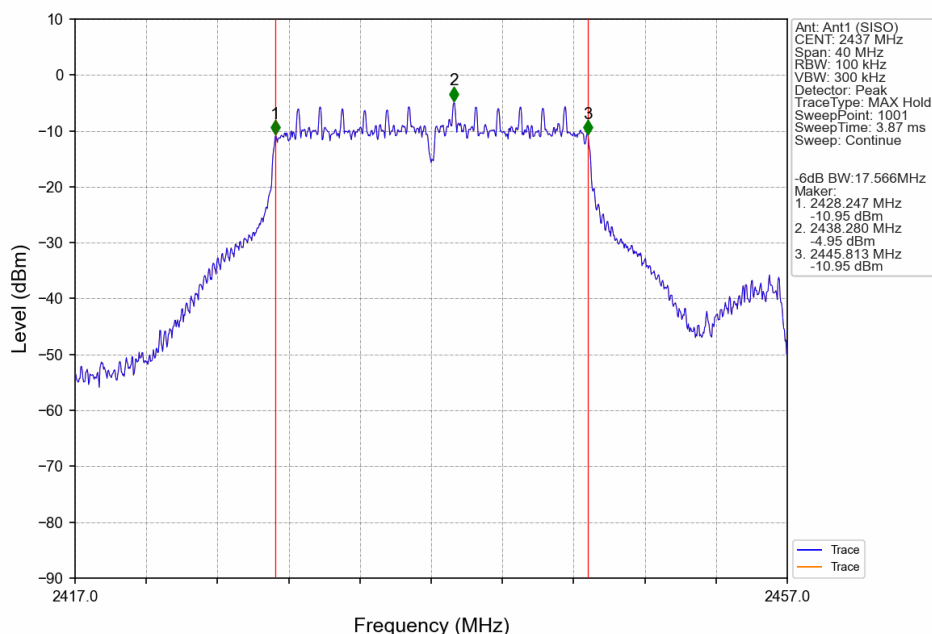
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



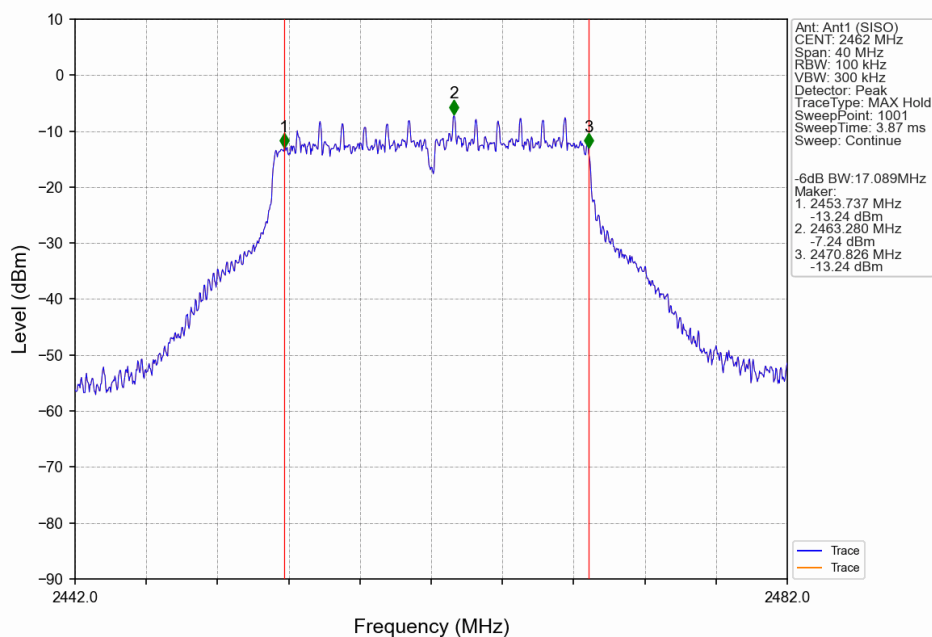
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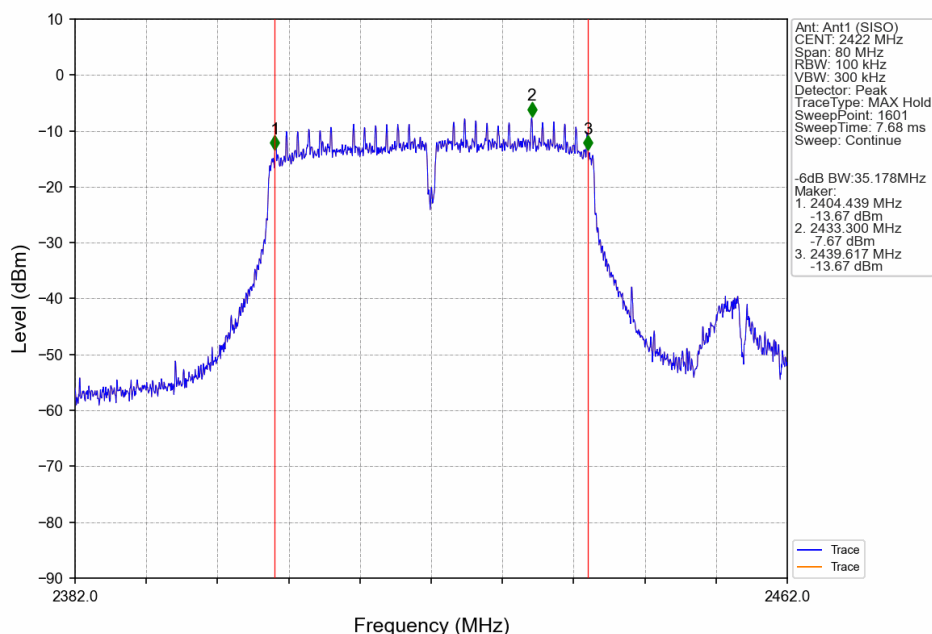
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



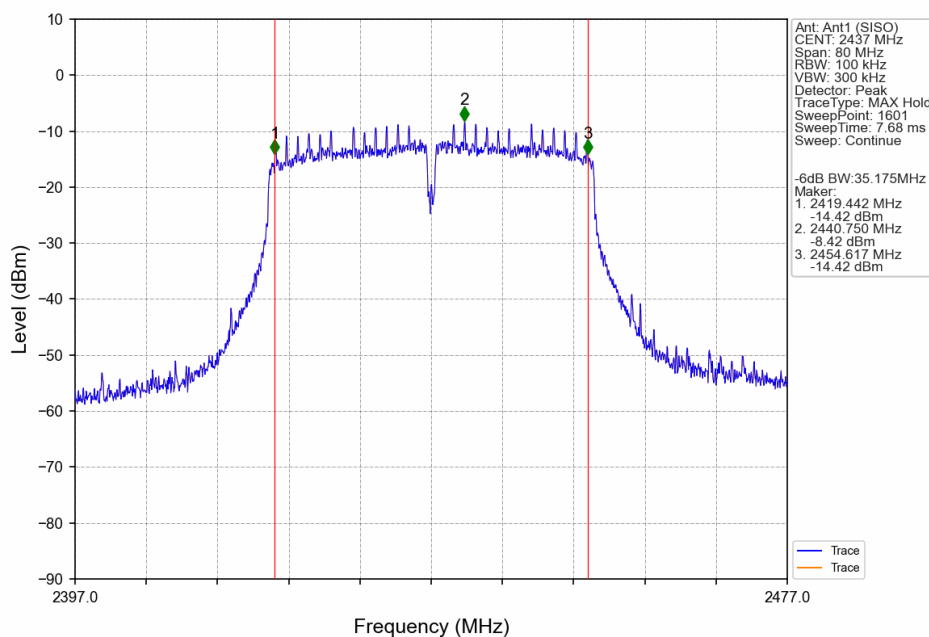
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



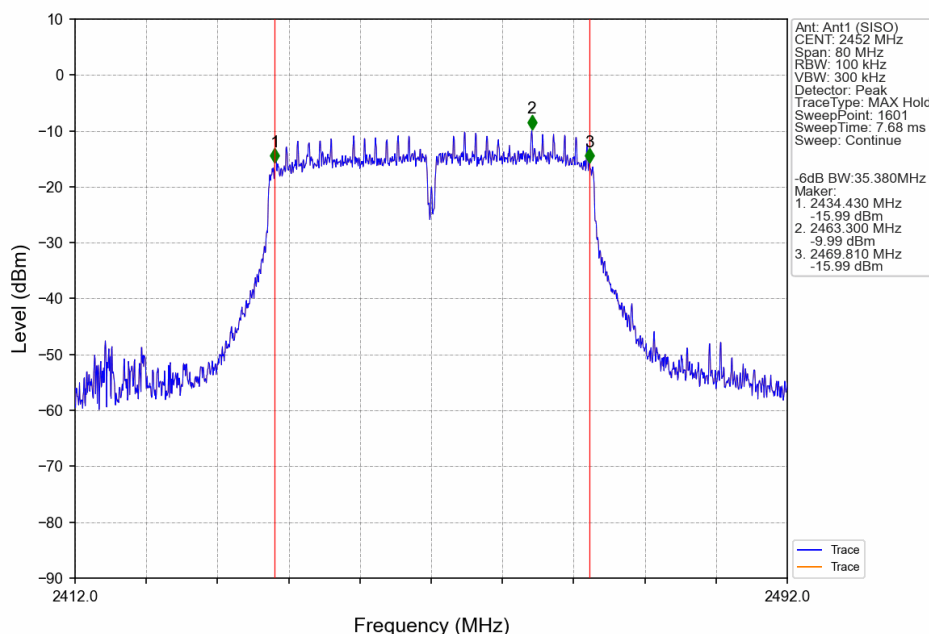
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	10.40	<=30	Pass
		2437	9.76	<=30	Pass
		2462	7.65	<=30	Pass
802.11g	SISO	2412	14.84	<=30	Pass
		2437	14.31	<=30	Pass
		2462	11.82	<=30	Pass
802.11n (HT20)	SISO	2412	14.03	<=30	Pass
		2437	13.17	<=30	Pass
		2462	10.84	<=30	Pass
802.11n (HT40)	SISO	2422	13.18	<=30	Pass
		2437	12.57	<=30	Pass
		2452	11.17	<=30	Pass

Note1: Antenna Gain: Ant1: 3.26dBi;

4. Maximum Power Spectral Density

4.1 Test Result

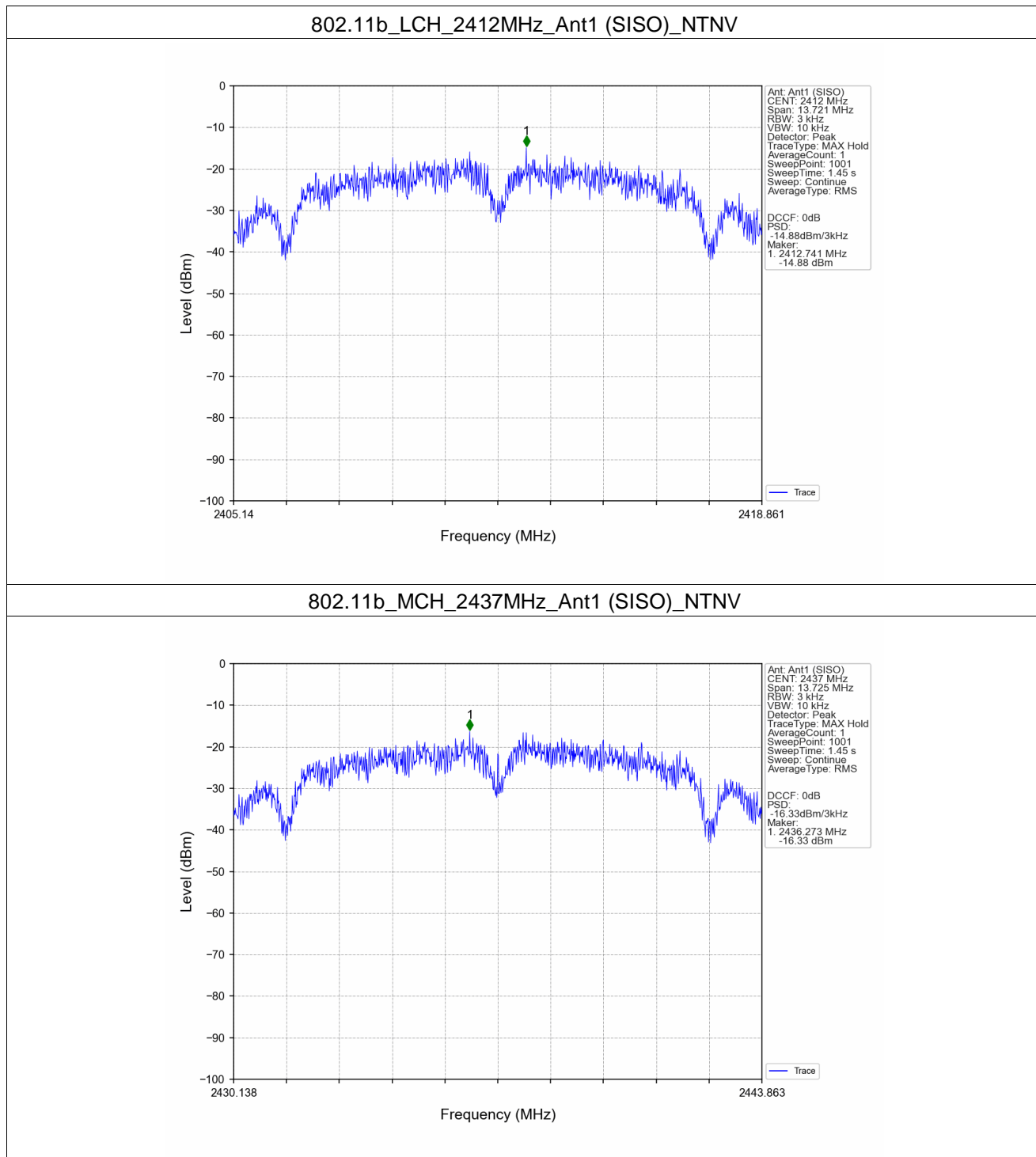
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-14.88	<=8	Pass
		2437	-16.33	<=8	Pass
		2462	-18.58	<=8	Pass
802.11g	SISO	2412	-18.79	<=8	Pass
		2437	-19.24	<=8	Pass
		2462	-20.93	<=8	Pass
802.11n (HT20)	SISO	2412	-19.63	<=8	Pass
		2437	-19.94	<=8	Pass
		2462	-21.95	<=8	Pass
802.11n (HT40)	SISO	2422	-21.48	<=8	Pass
		2437	-22.25	<=8	Pass
		2452	-25.67	<=8	Pass

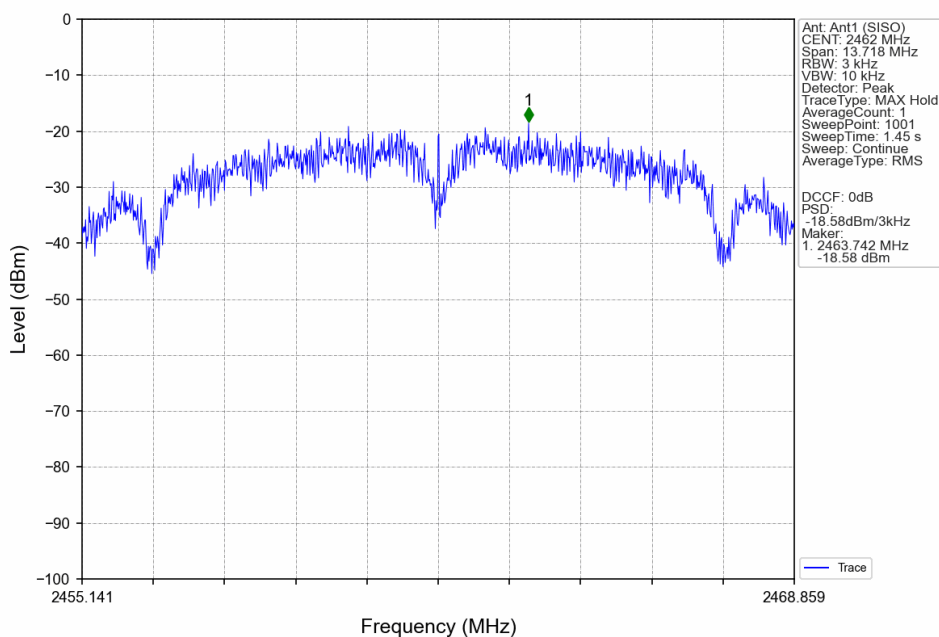
Note1: Antenna Gain: Ant1: 3.26dBi;

4.2 Test Graph

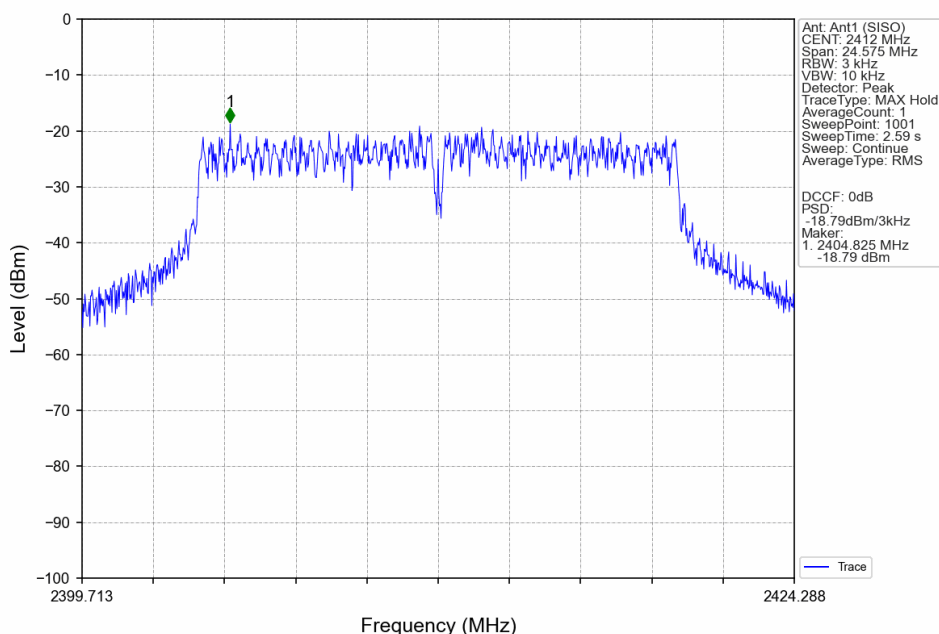
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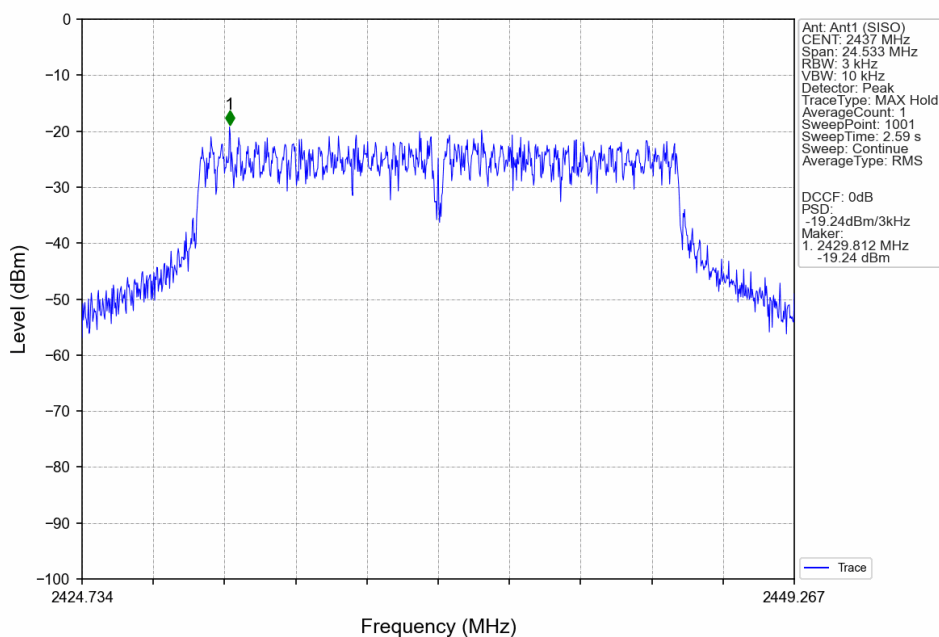
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



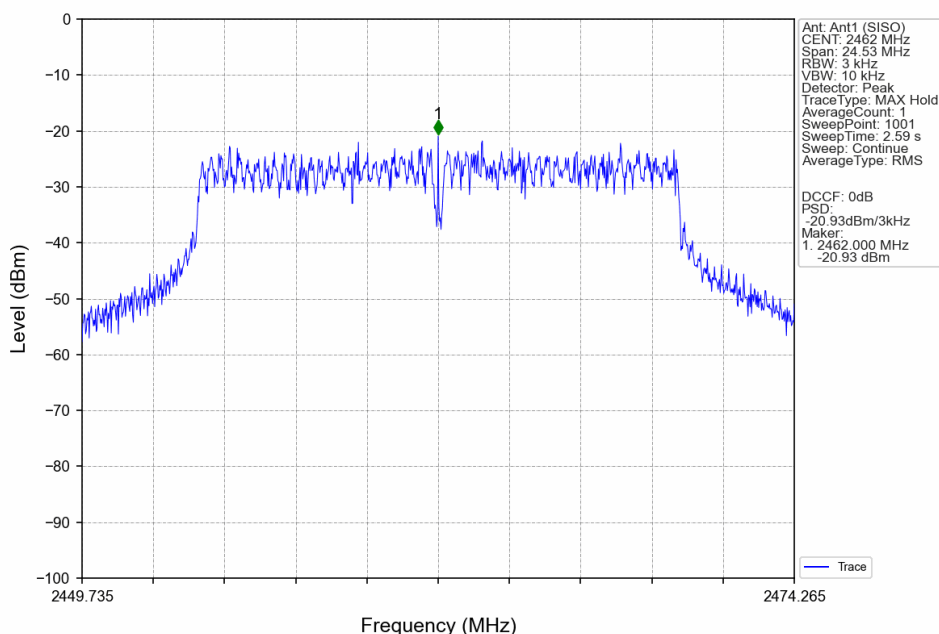
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



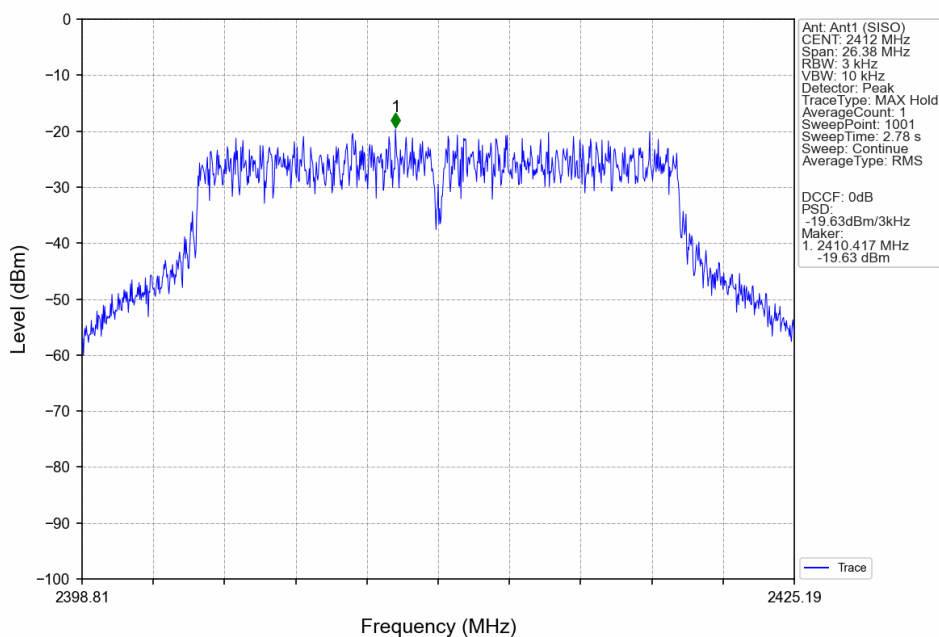
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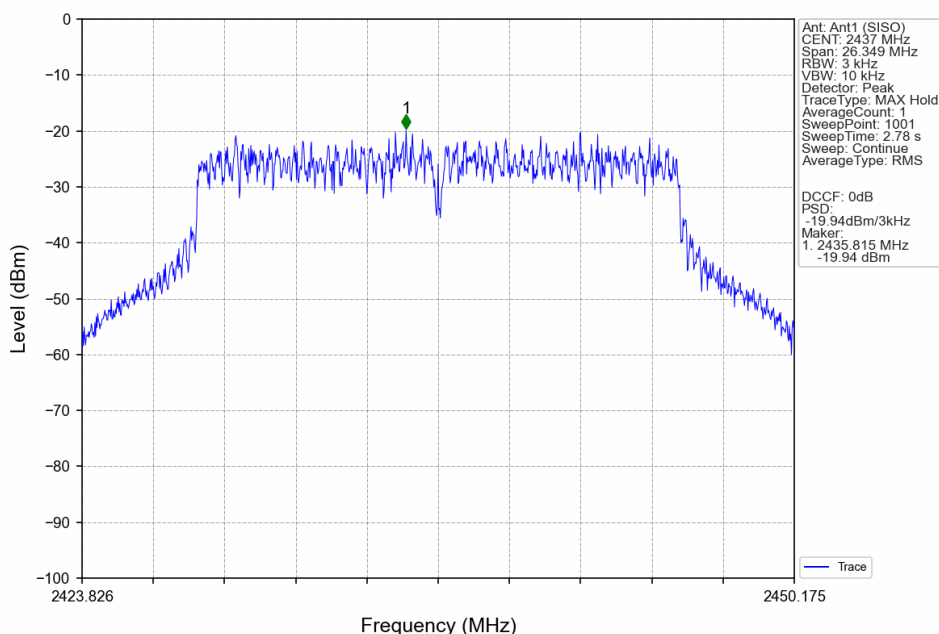
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



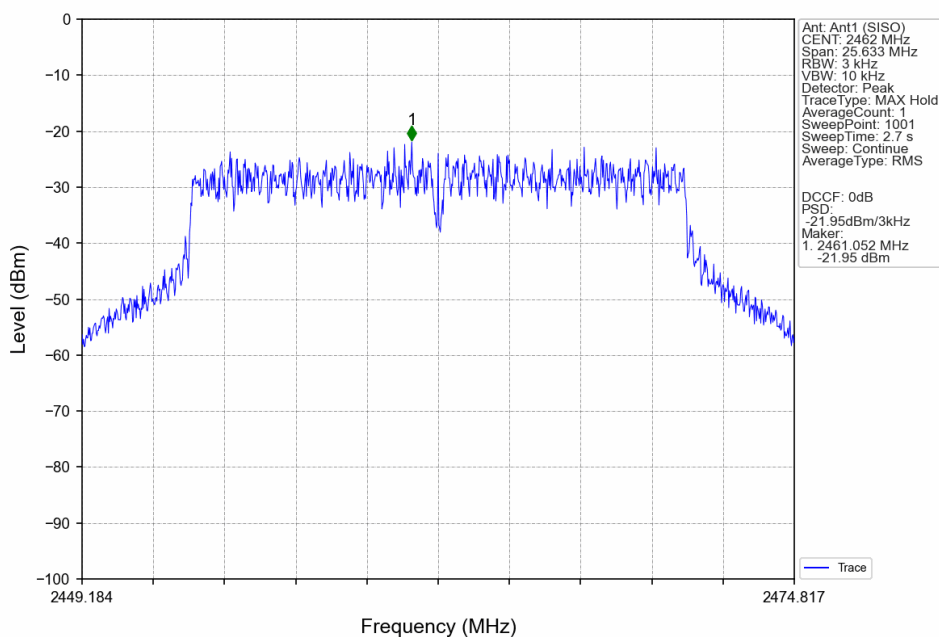
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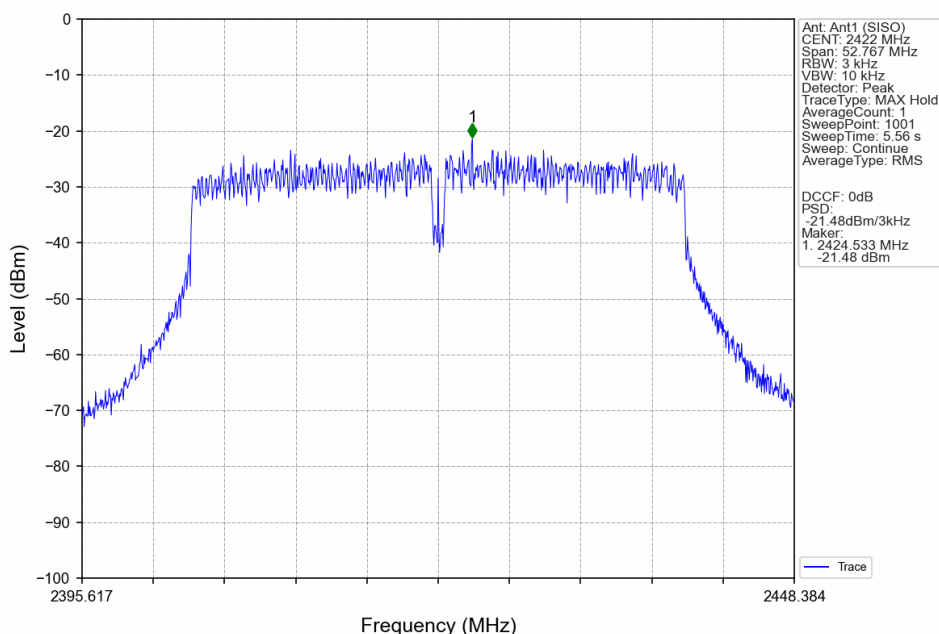
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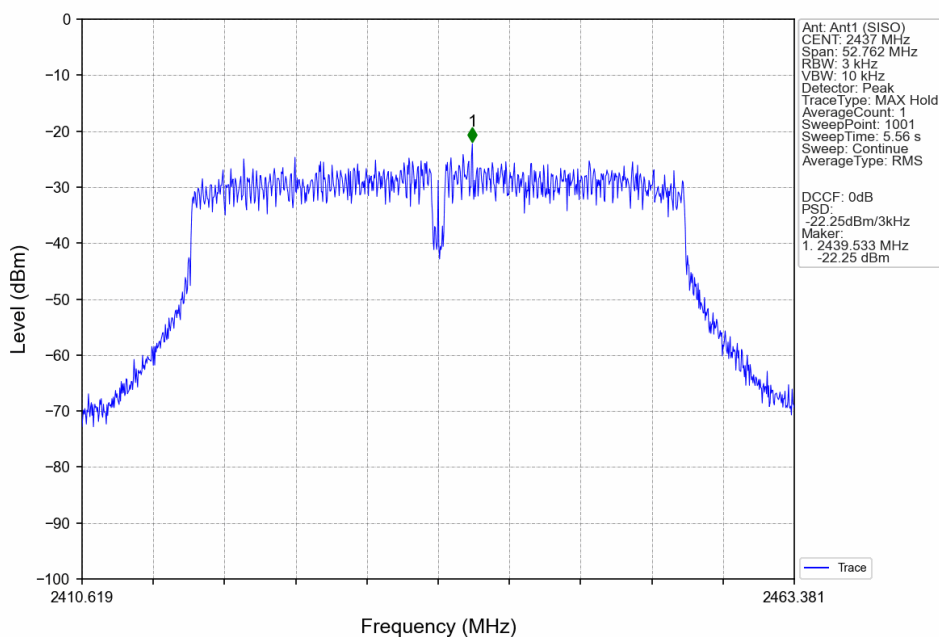
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



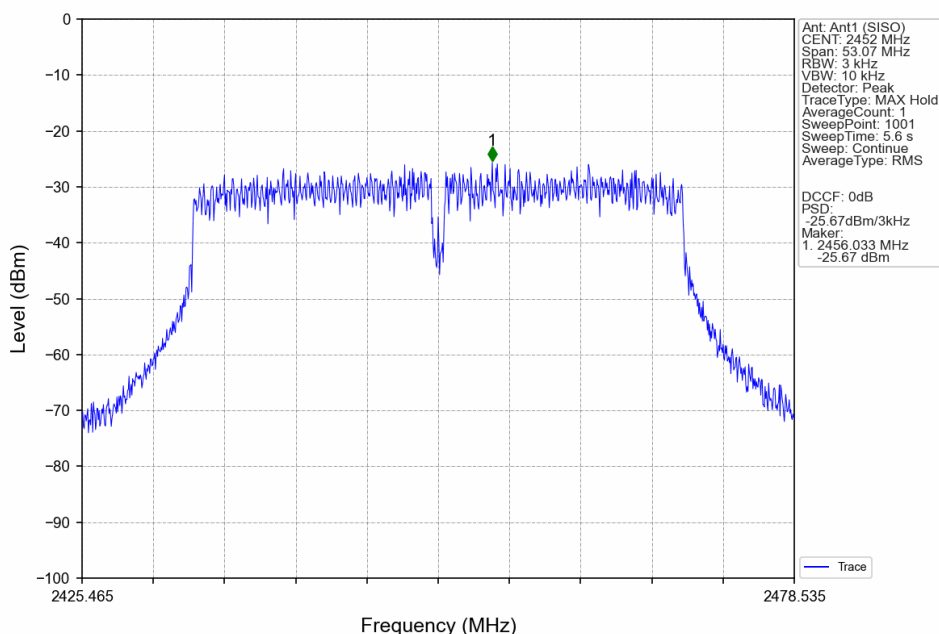
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-1.59
		2437	1	-2.26
		2462	1	-4.48
802.11g	SISO	2412	1	-3.48
		2437	1	-3.85
		2462	1	-6.32
802.11n (HT20)	SISO	2412	1	-4.65
		2437	1	-4.96
		2462	1	-7.66
802.11n (HT40)	SISO	2422	1	-8.42
		2437	1	-8.37
		2452	1	-9.89

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.

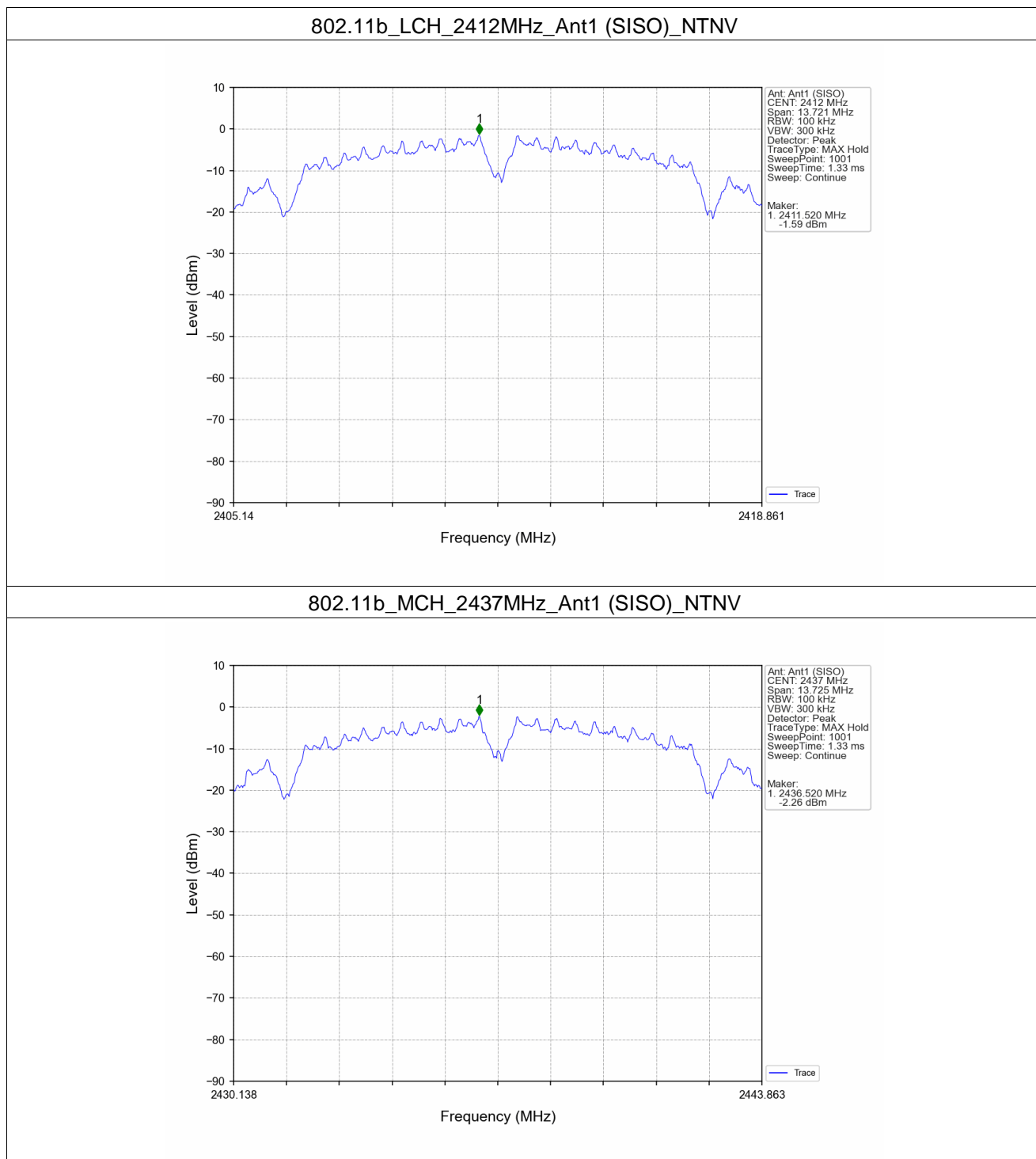
5.1.2 CSE and Band Edges

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-1.59	-21.59	Pass
		2437	1	-1.59	-21.59	Pass
		2462	1	-1.59	-21.59	Pass
802.11g	SISO	2412	1	-3.48	-23.48	Pass
		2437	1	-3.48	-23.48	Pass
		2462	1	-3.48	-23.48	Pass
802.11n (HT20)	SISO	2412	1	-4.65	-24.65	Pass
		2437	1	-4.65	-24.65	Pass
		2462	1	-4.65	-24.65	Pass
802.11n (HT40)	SISO	2422	1	-8.37	-28.37	Pass
		2437	1	-8.37	-28.37	Pass
		2452	1	-8.37	-28.37	Pass

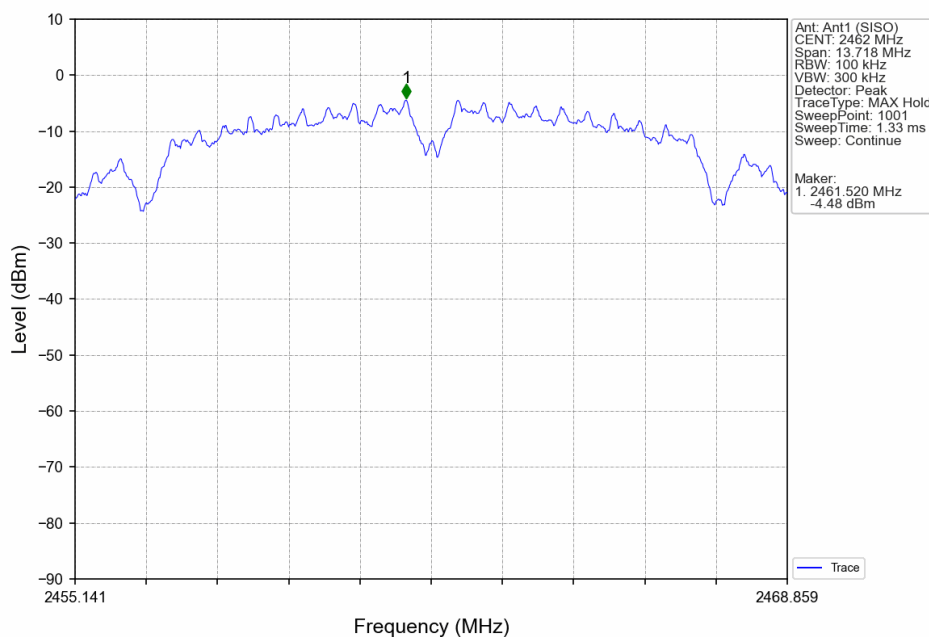
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2 Test Graph

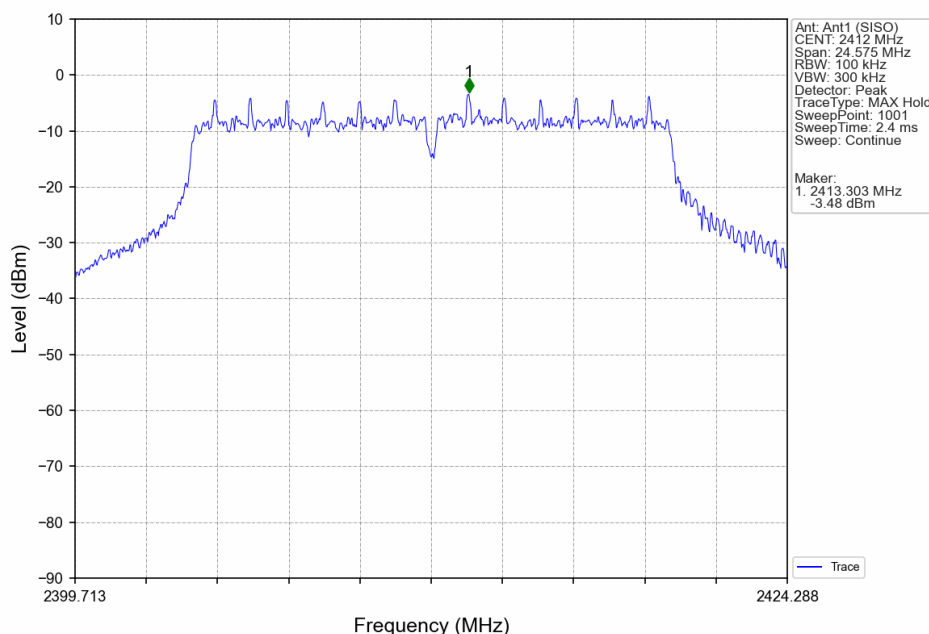
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



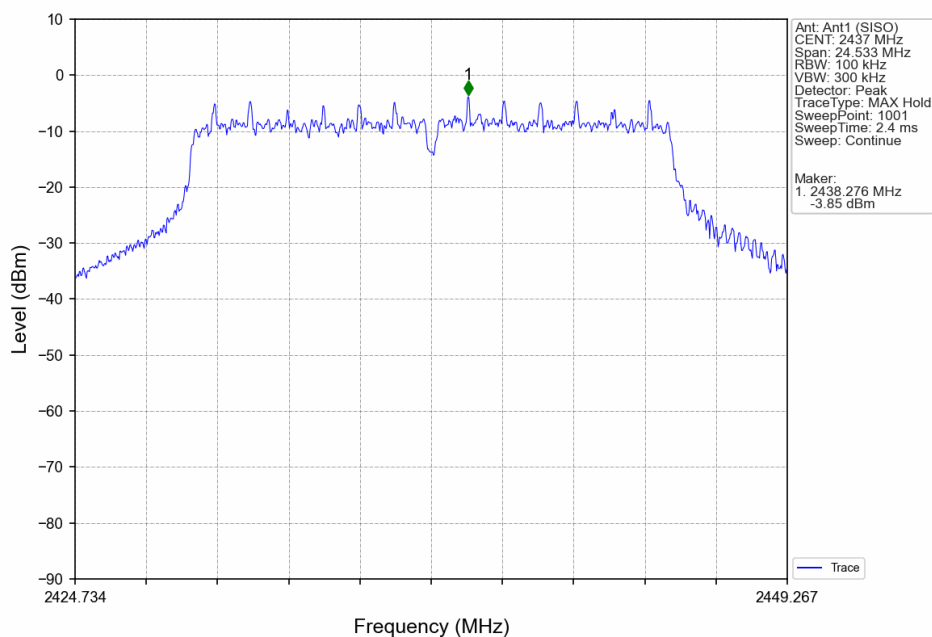
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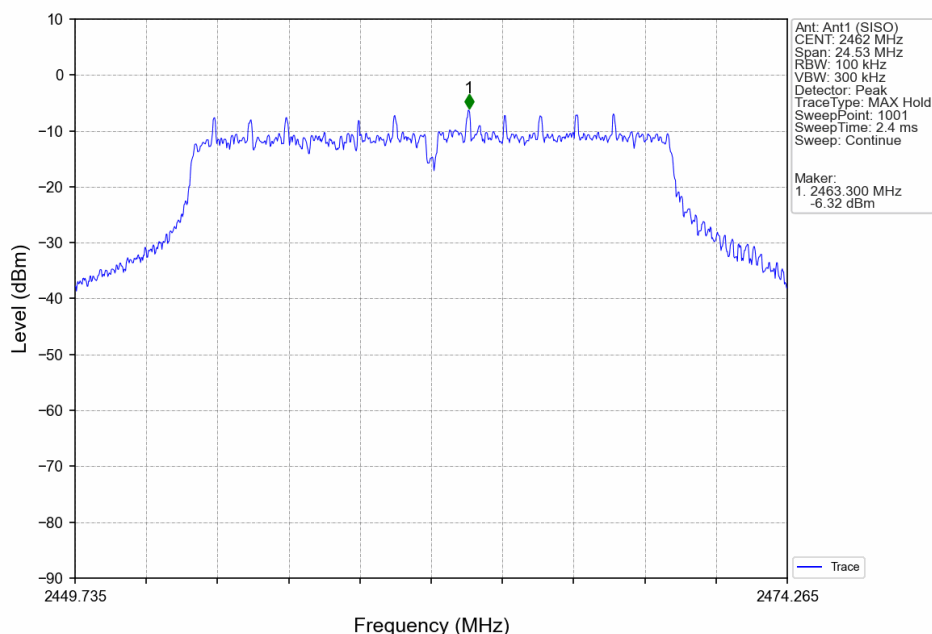
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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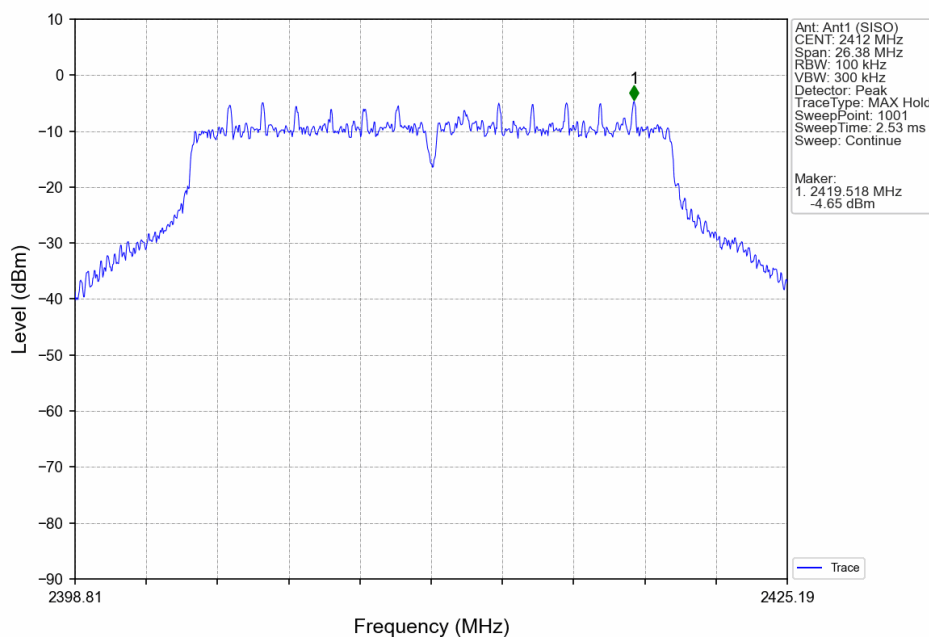
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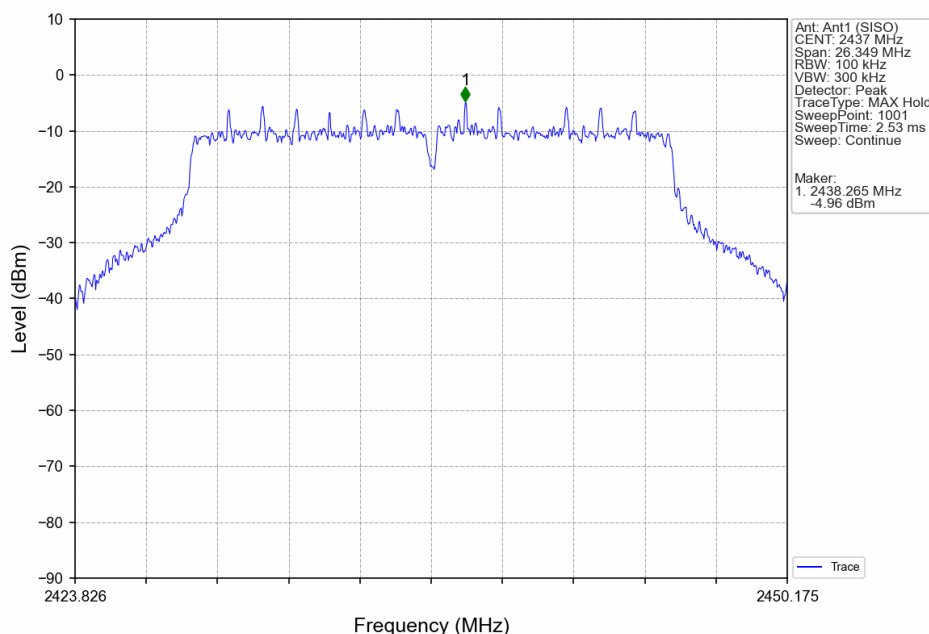
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



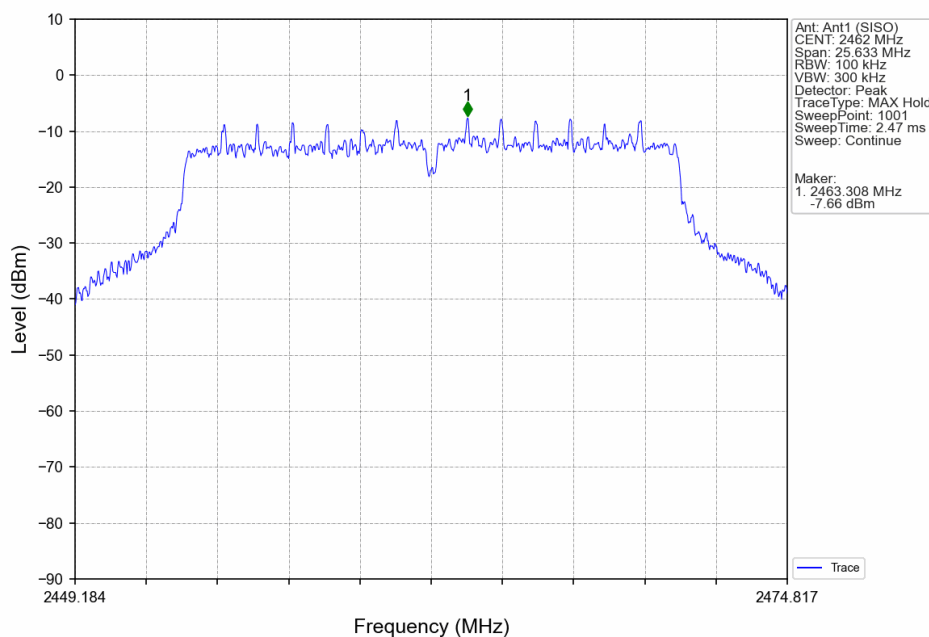
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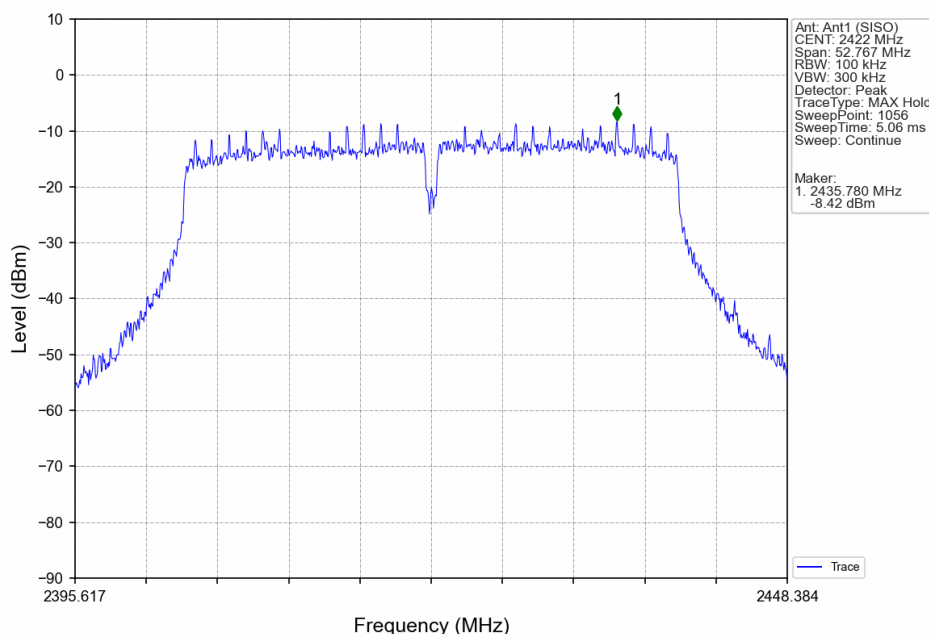
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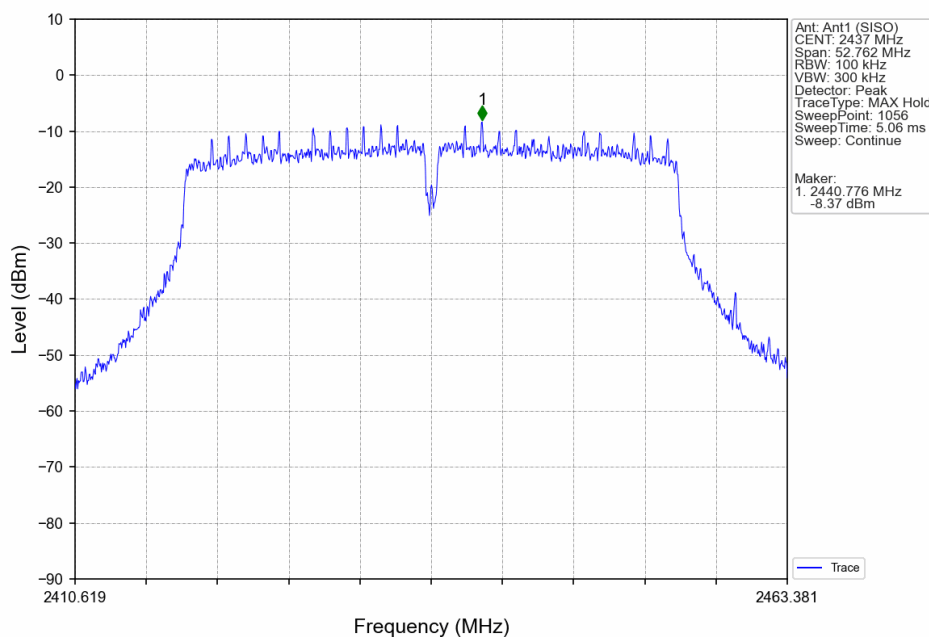
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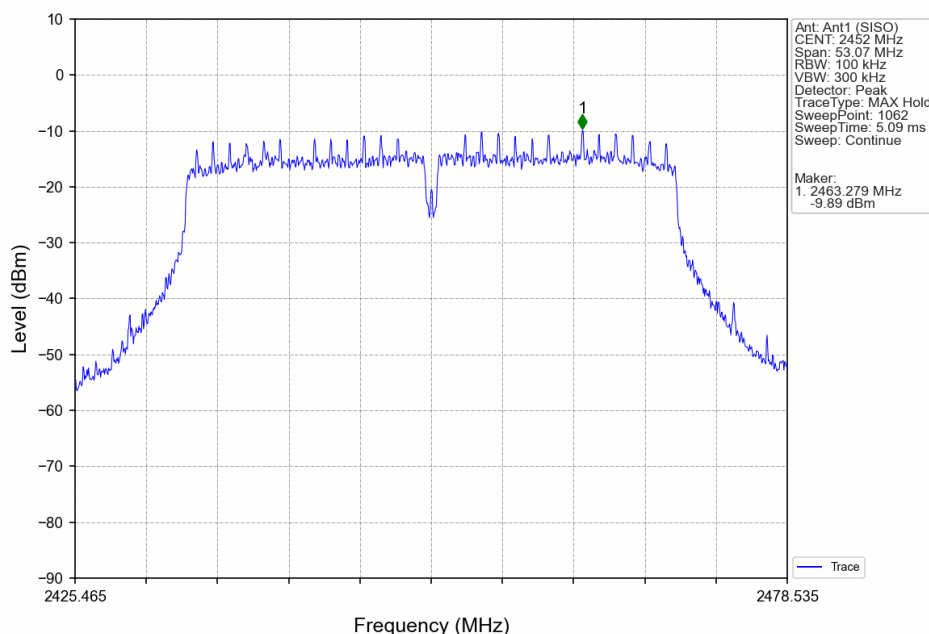
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

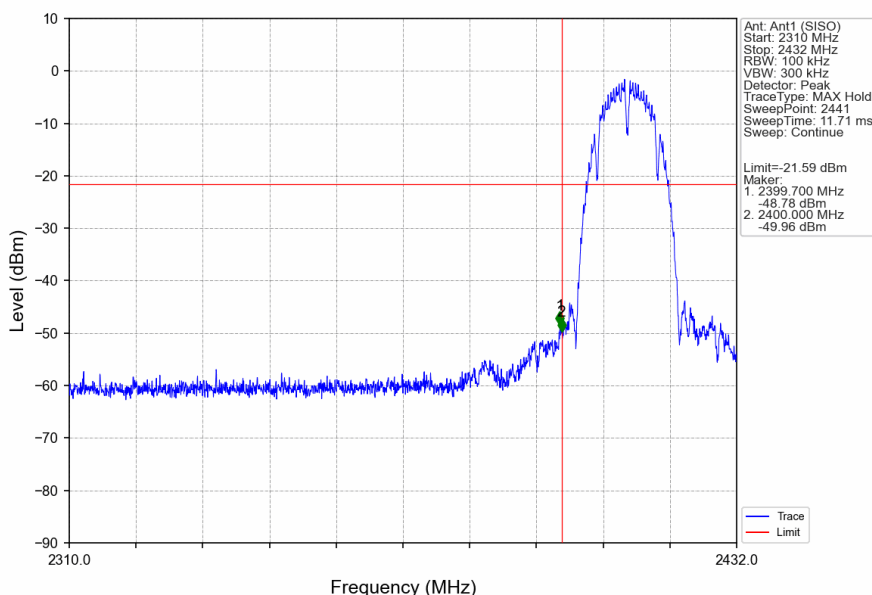


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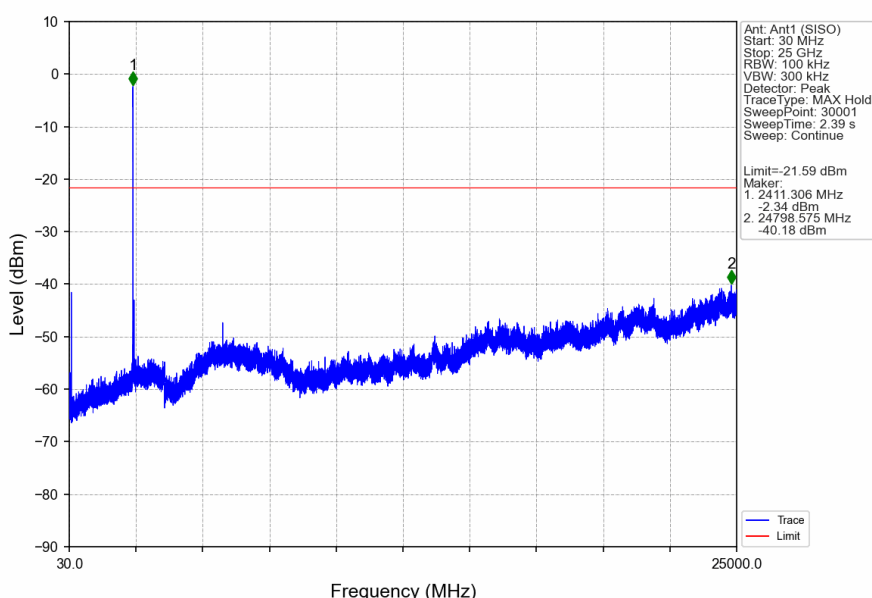
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5.2.2 CSE and Band Edges

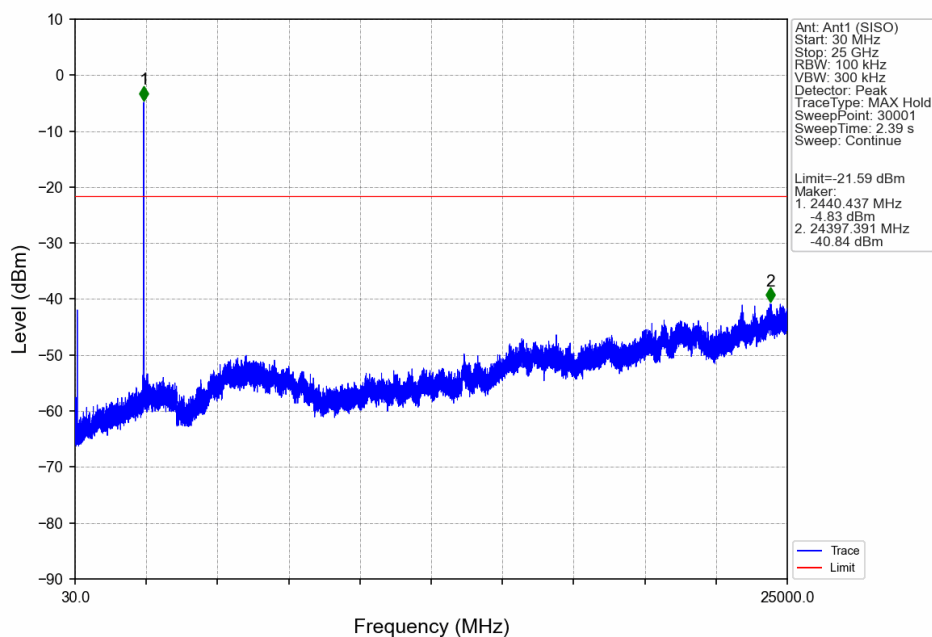
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



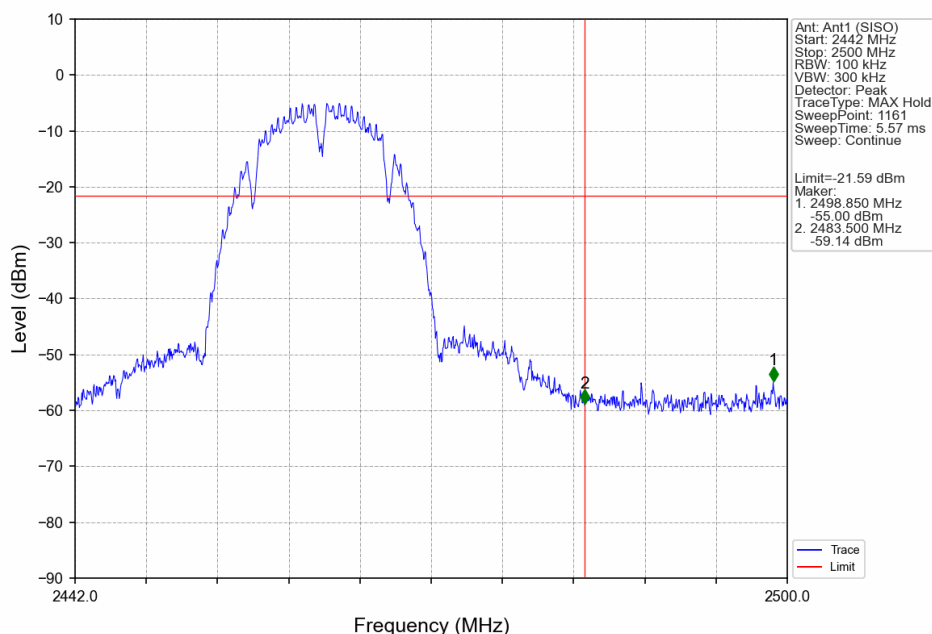
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



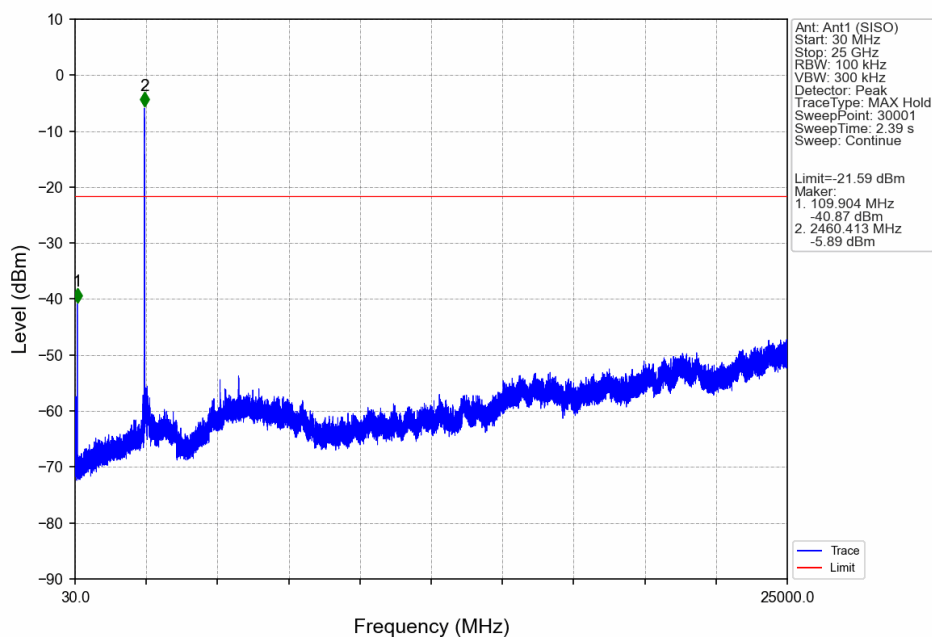
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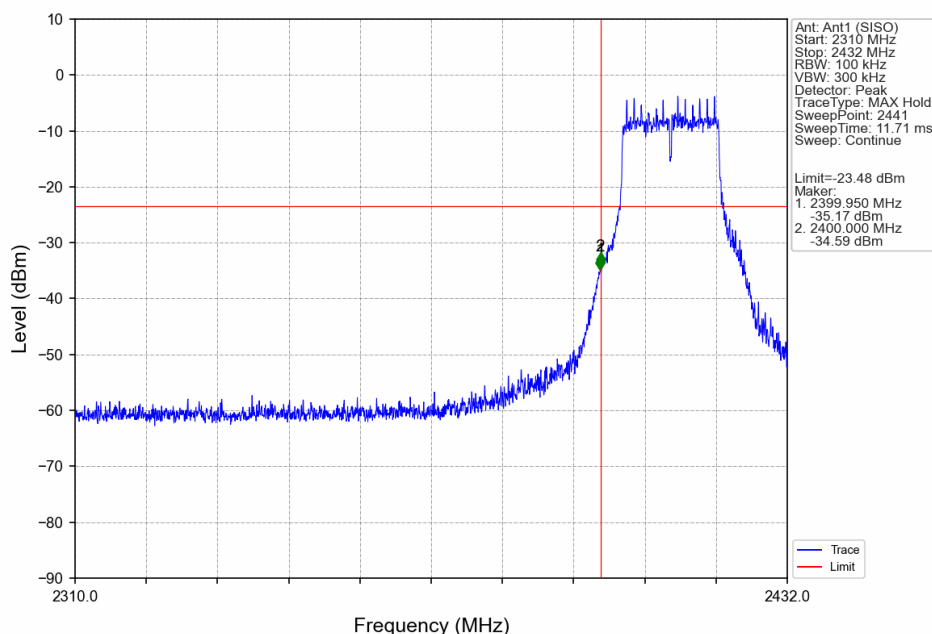
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



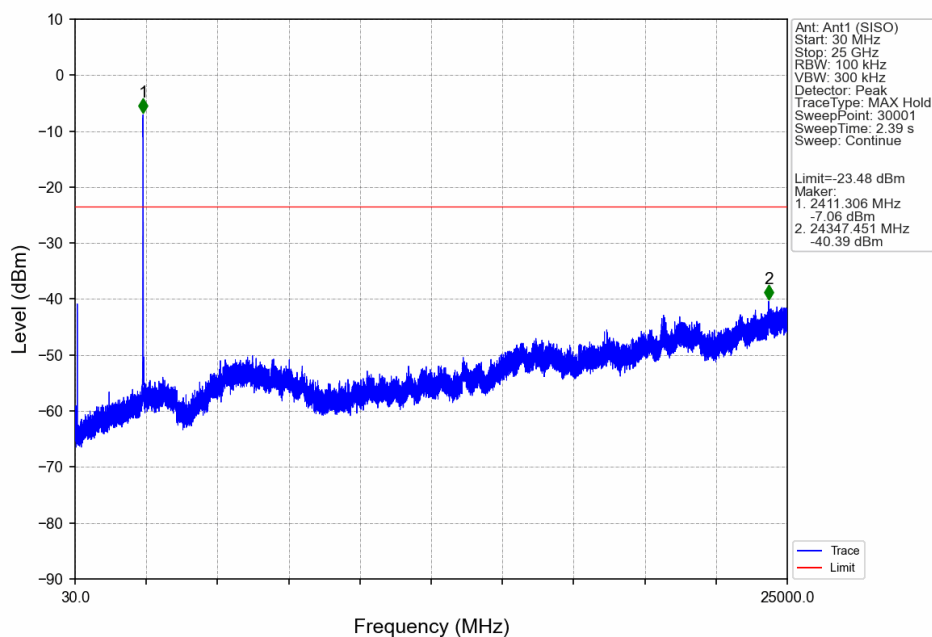
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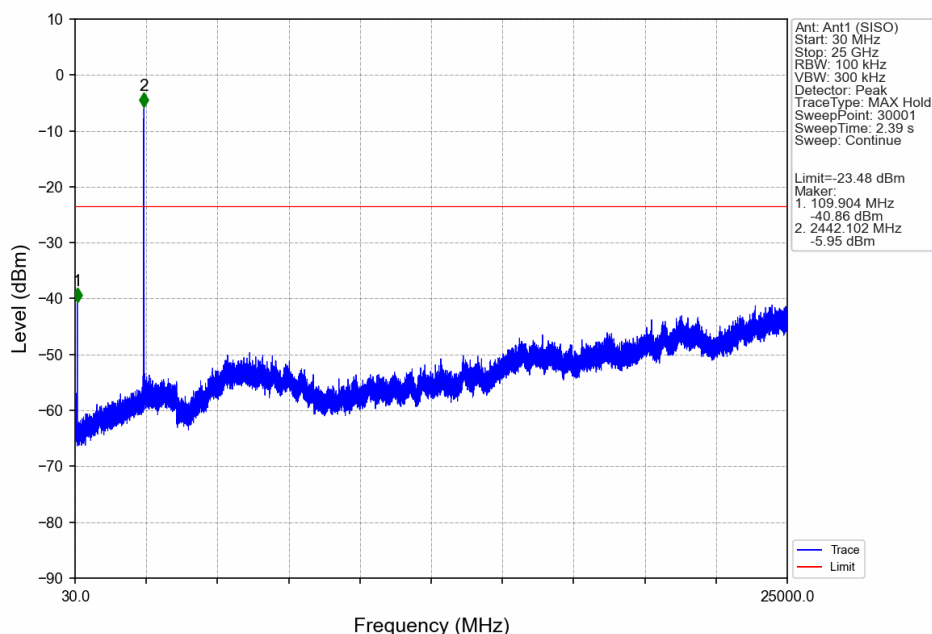
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



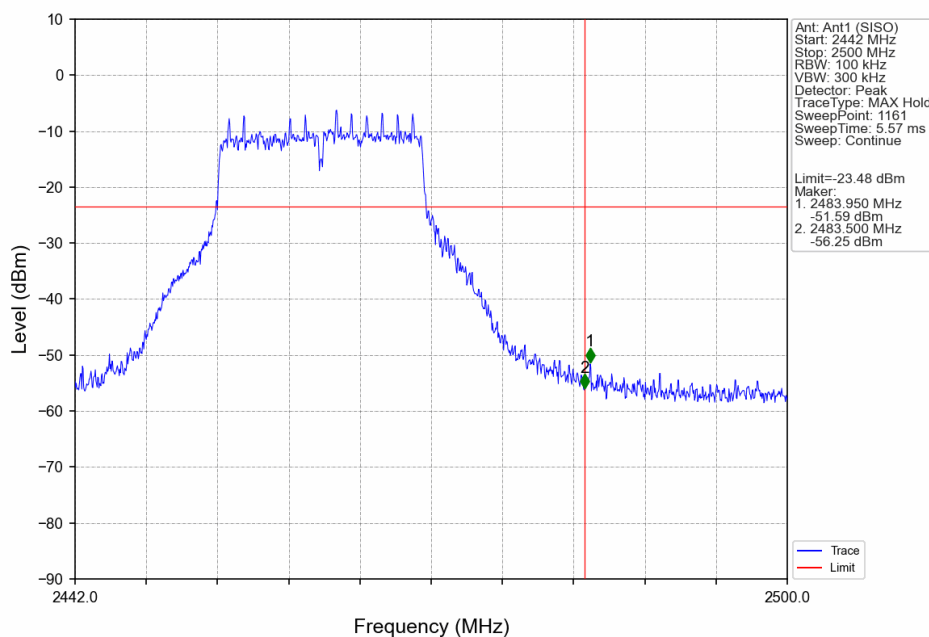
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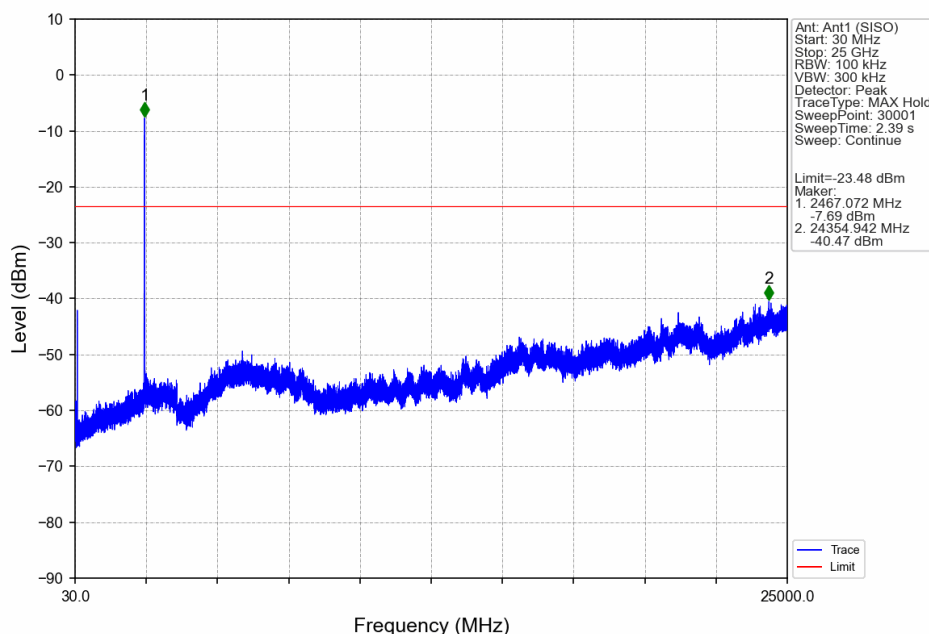
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



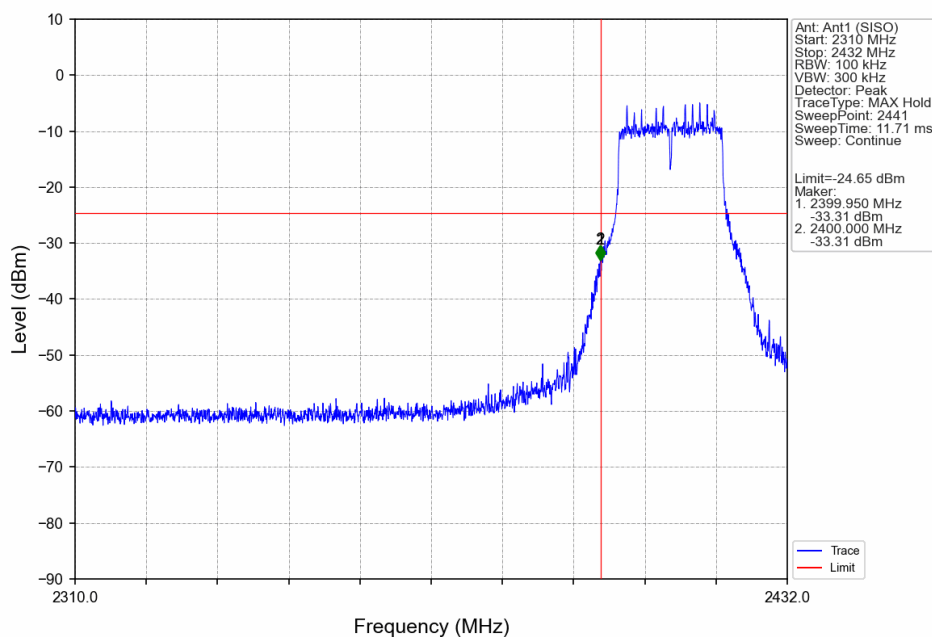
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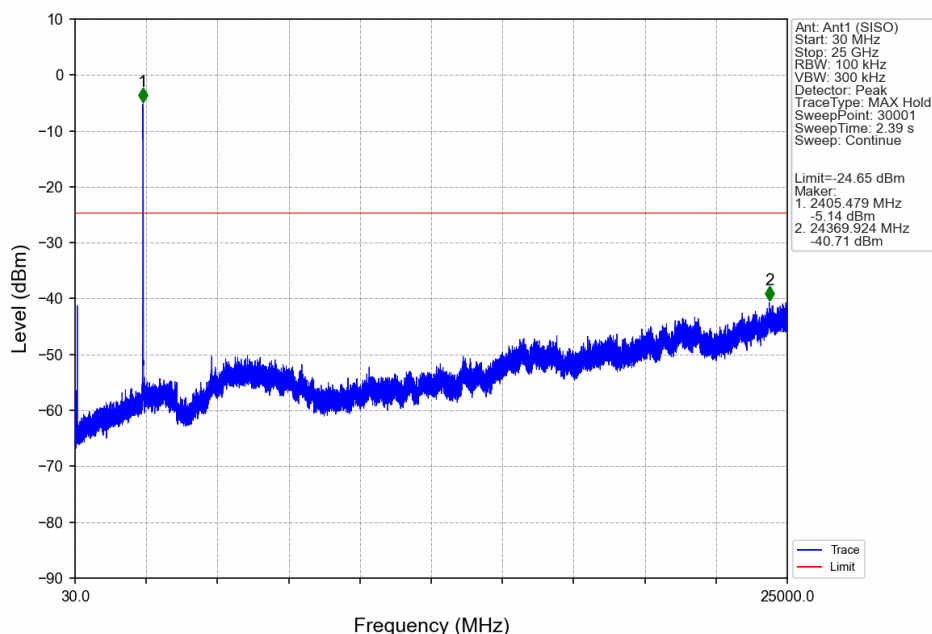
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



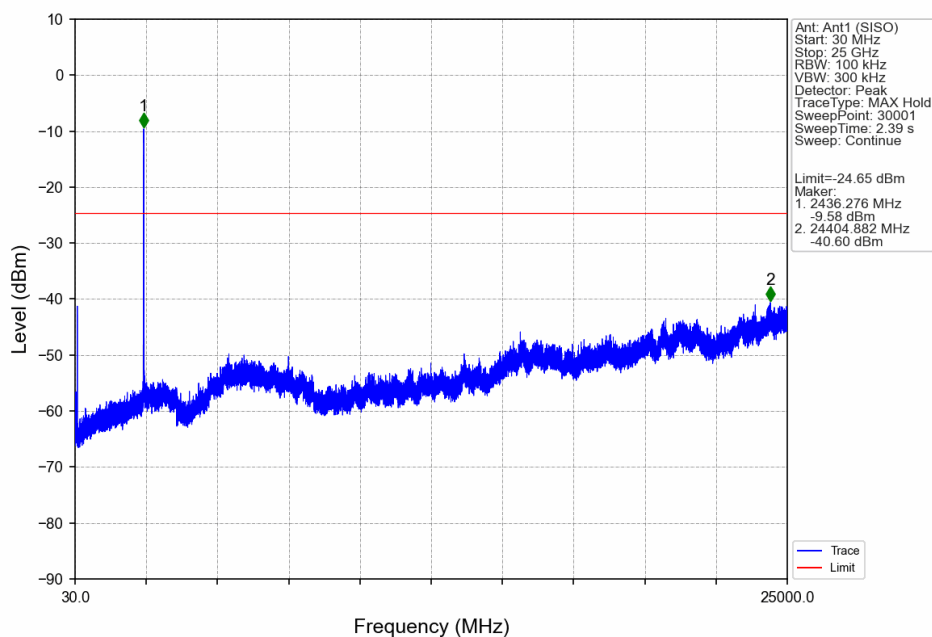
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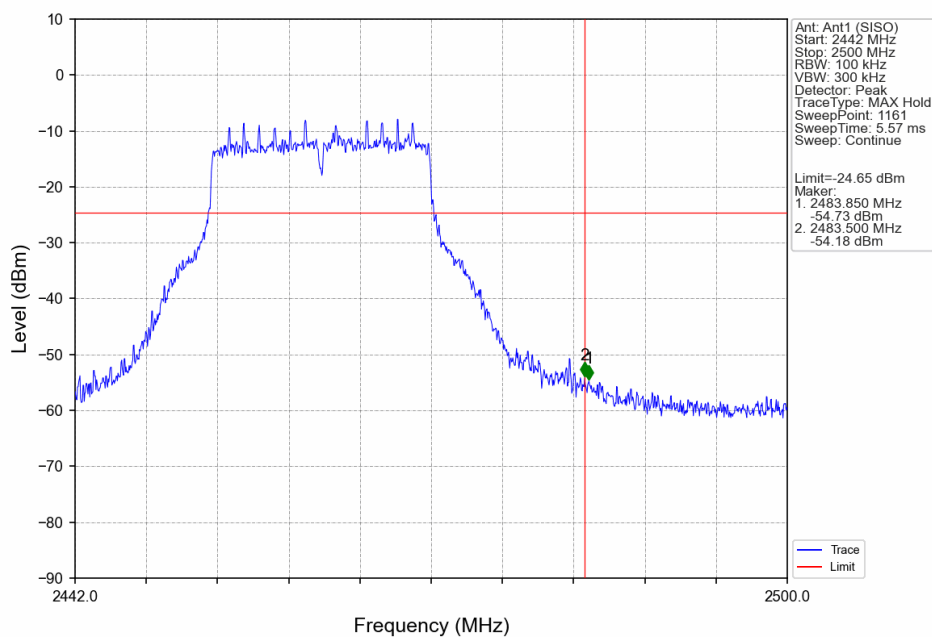
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



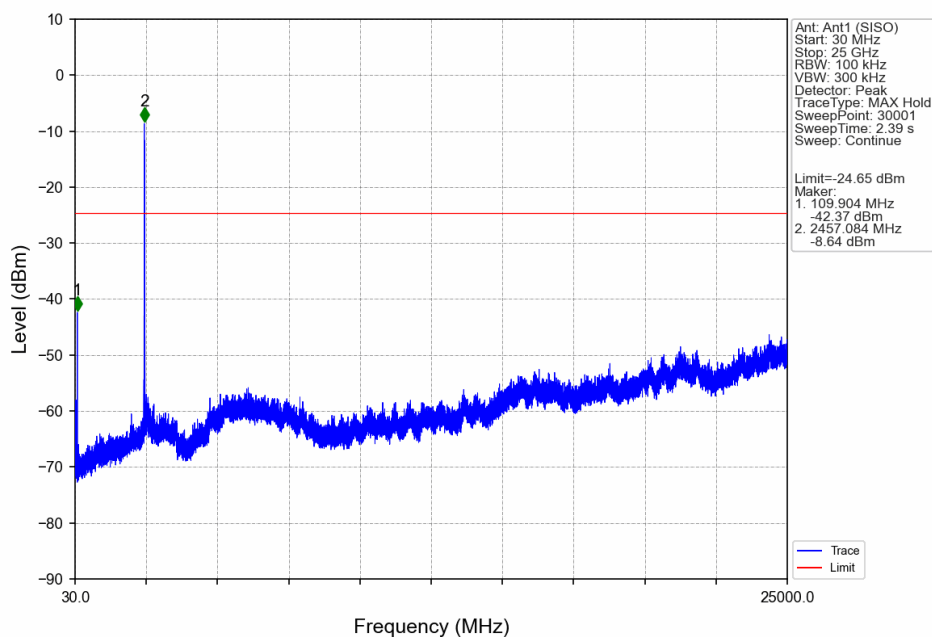
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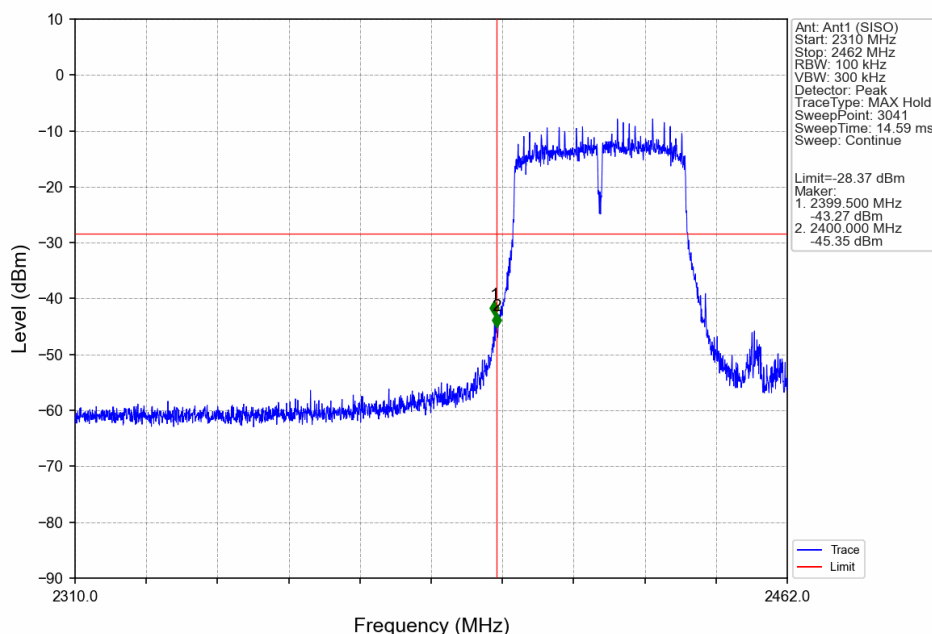
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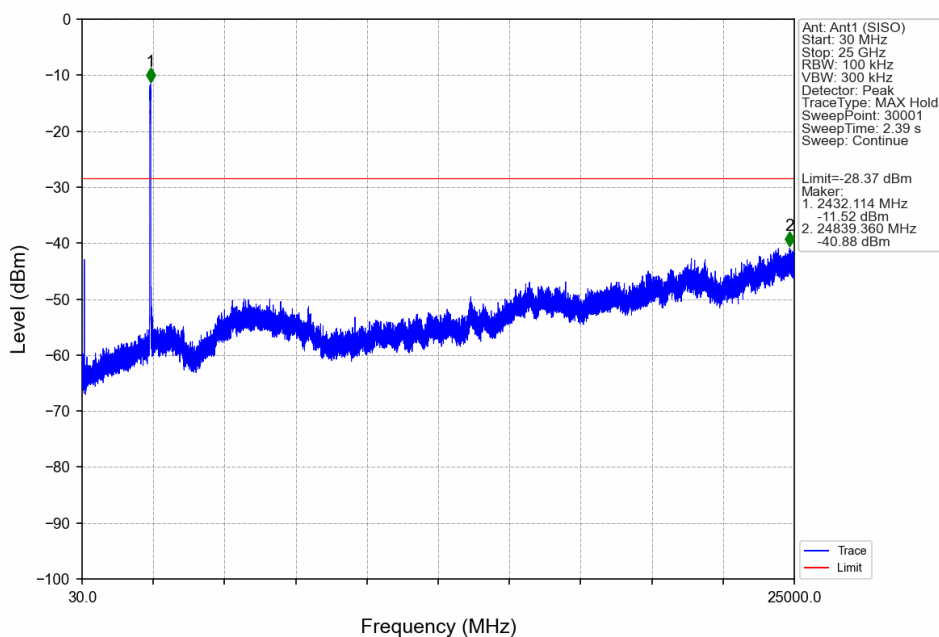
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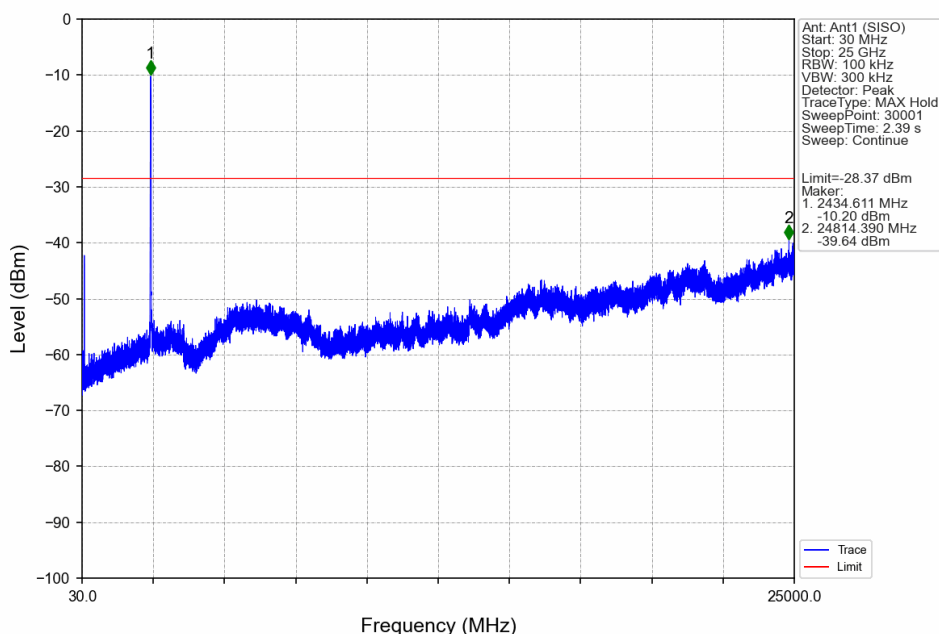
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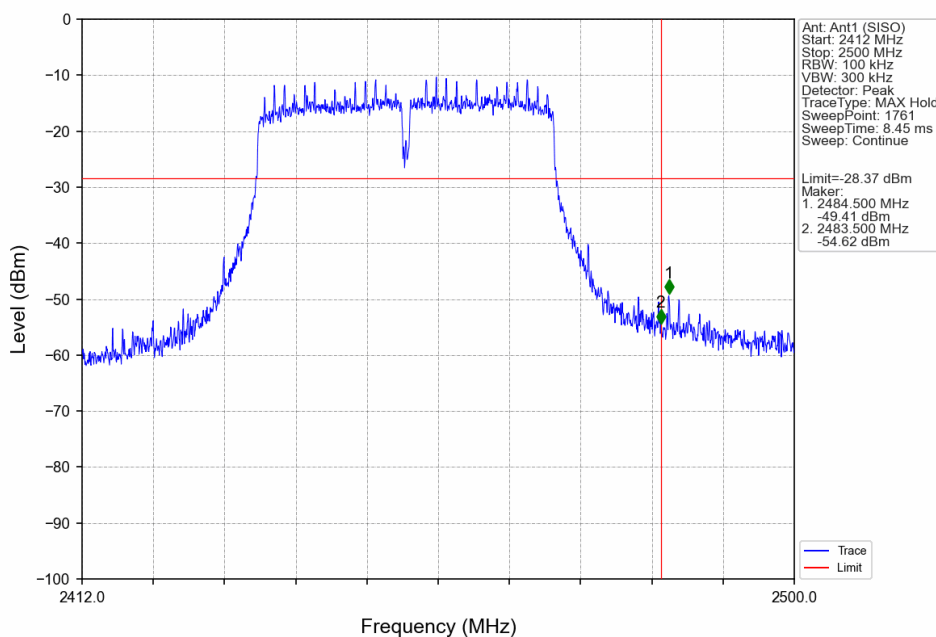
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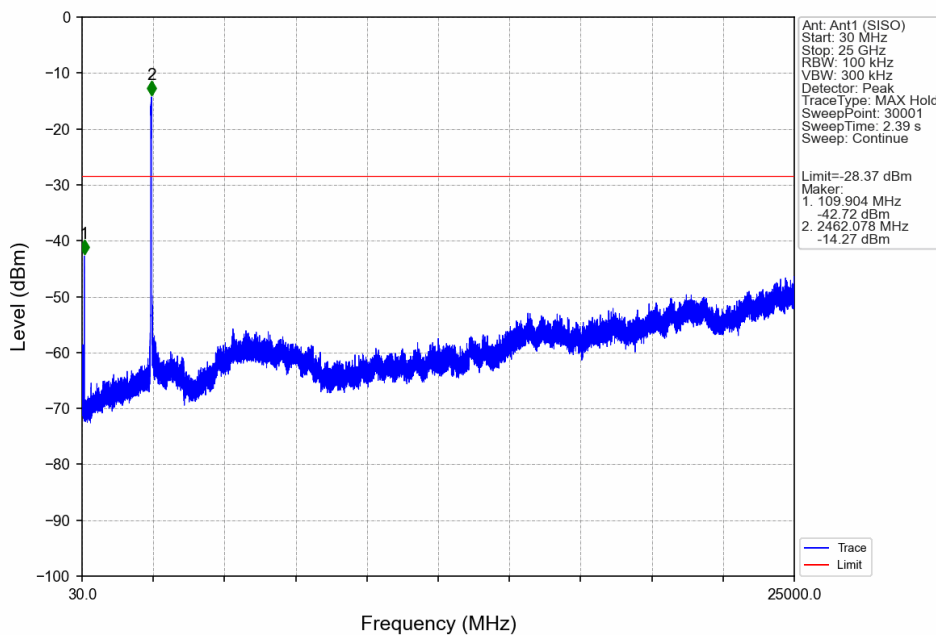
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



- End of the Report -



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