

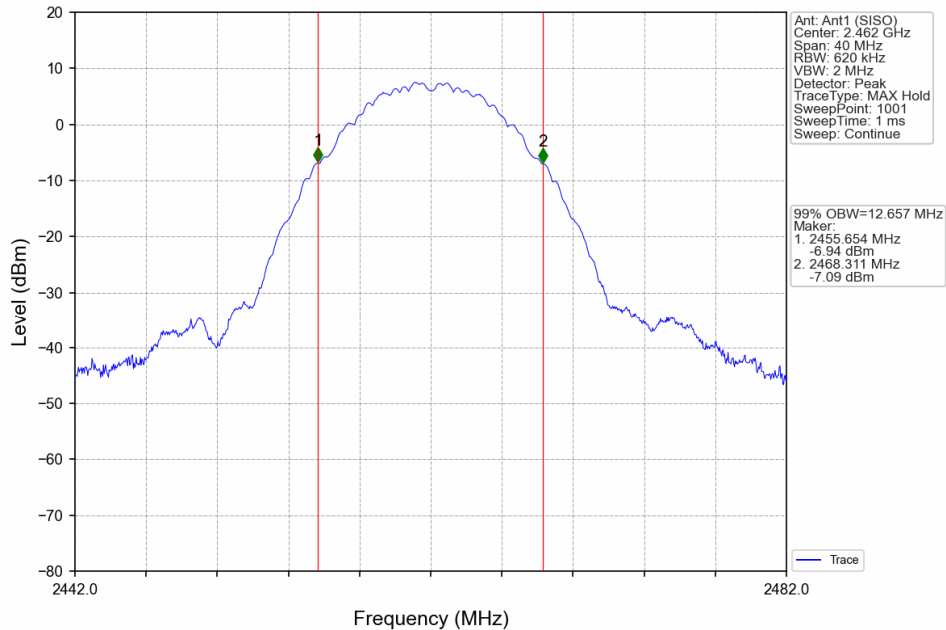
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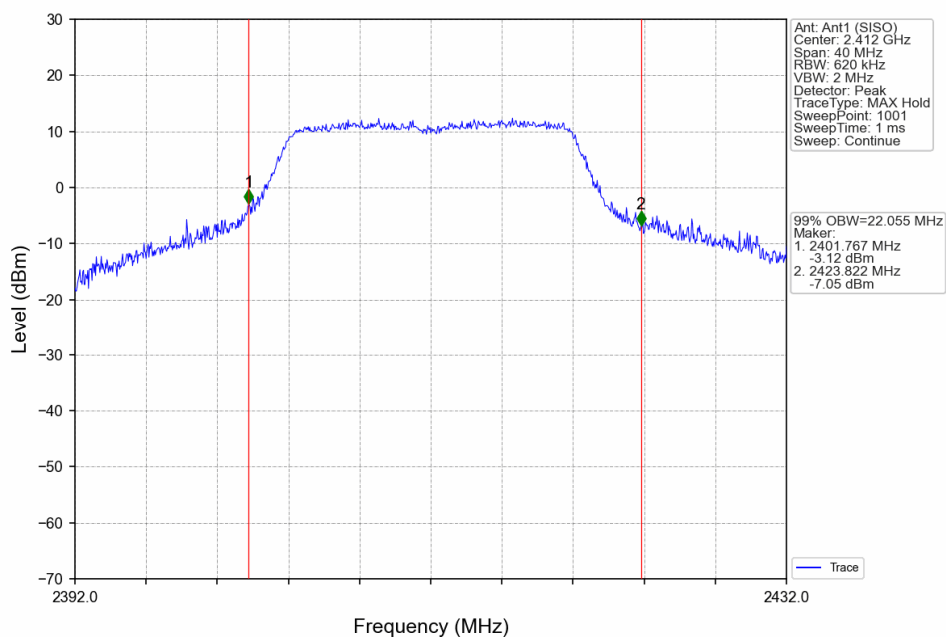
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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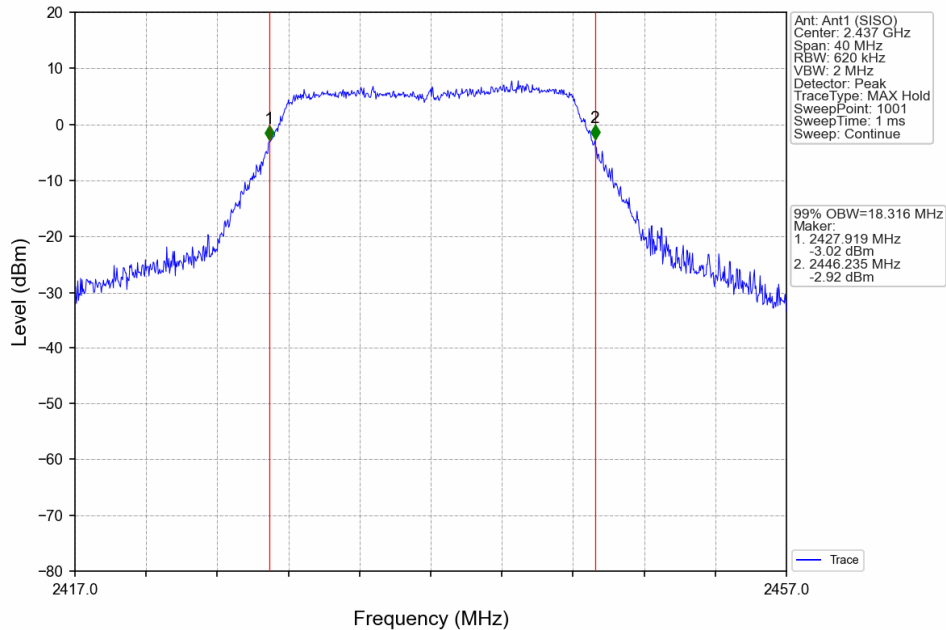
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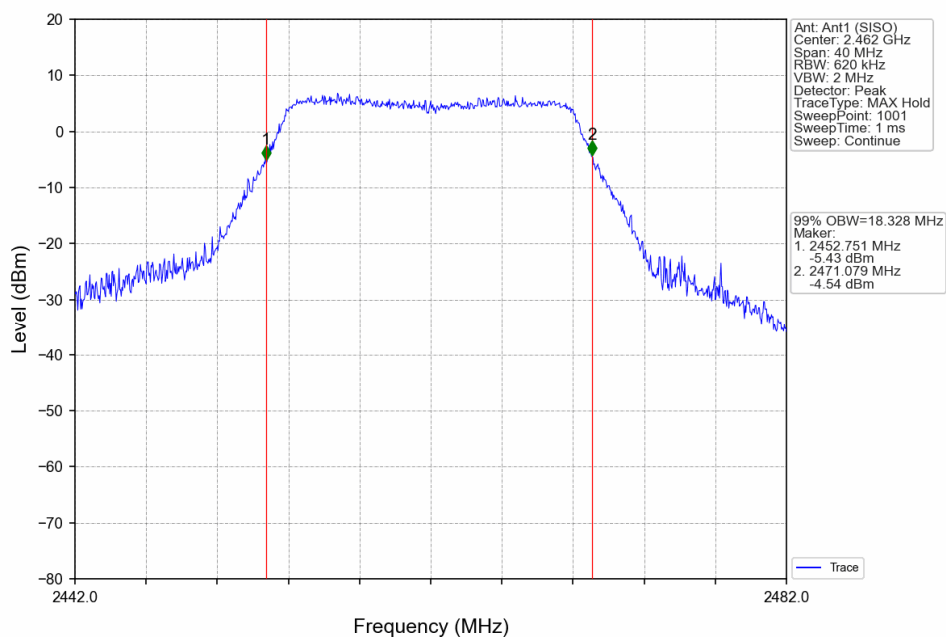
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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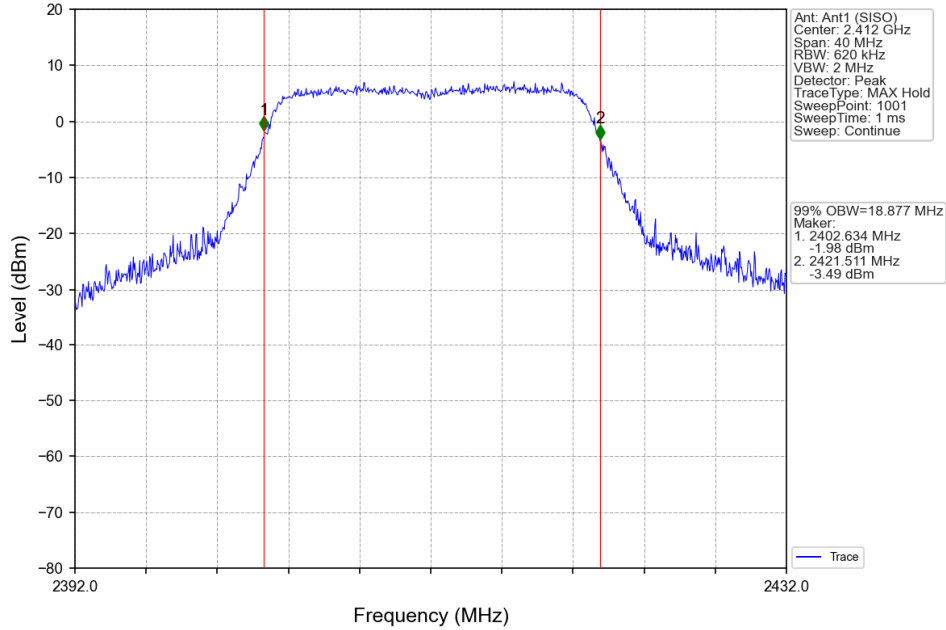
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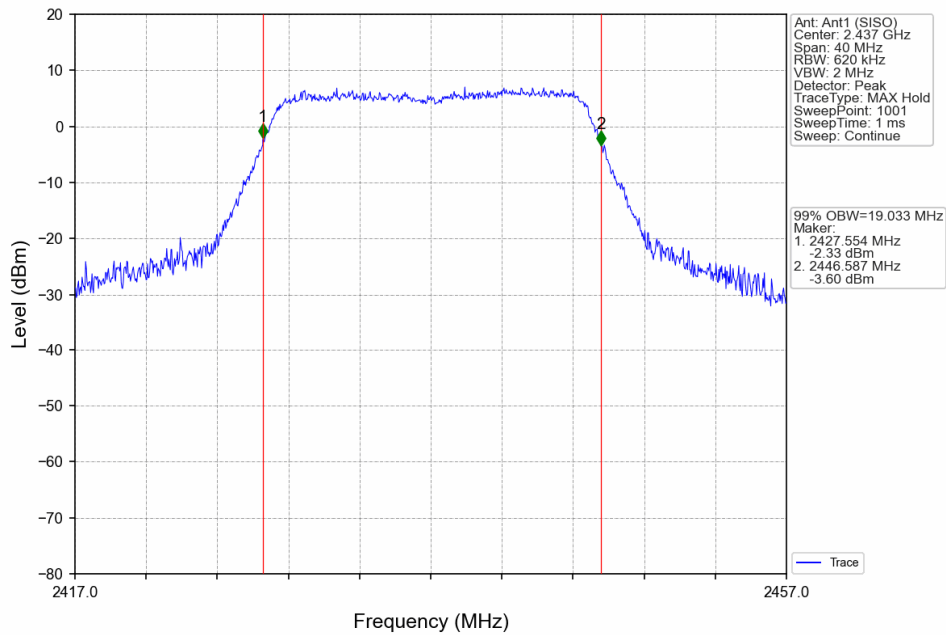
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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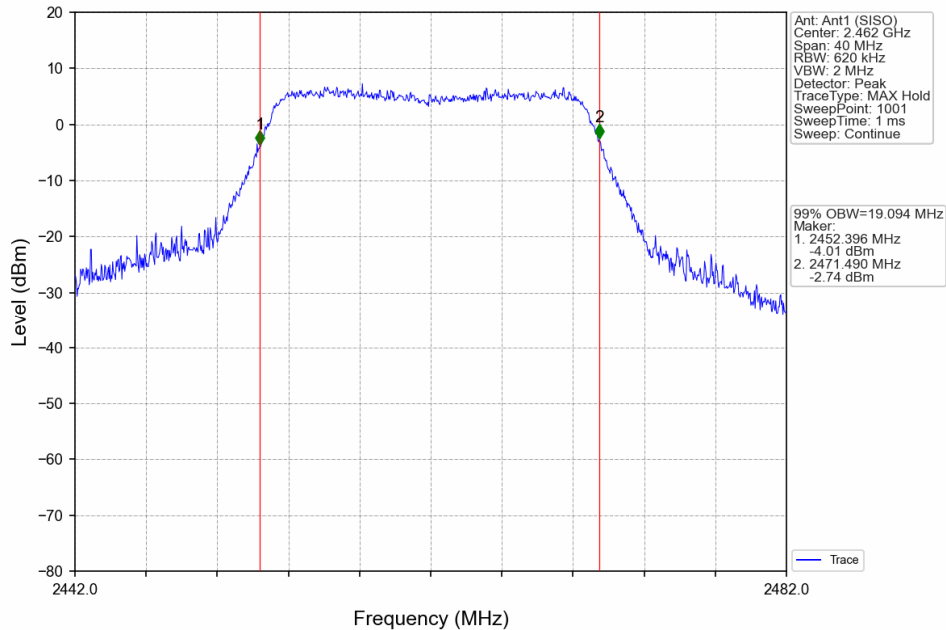
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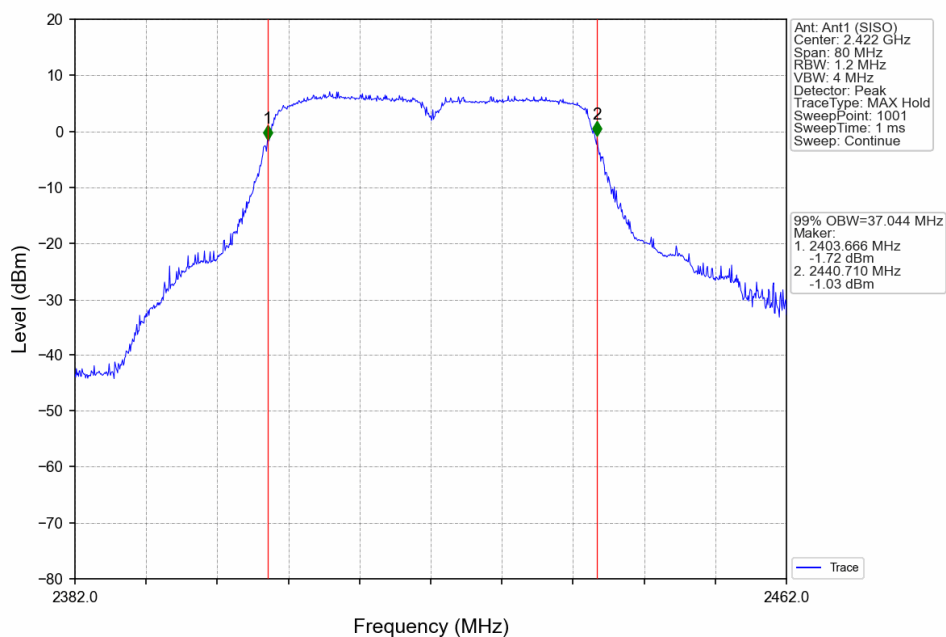
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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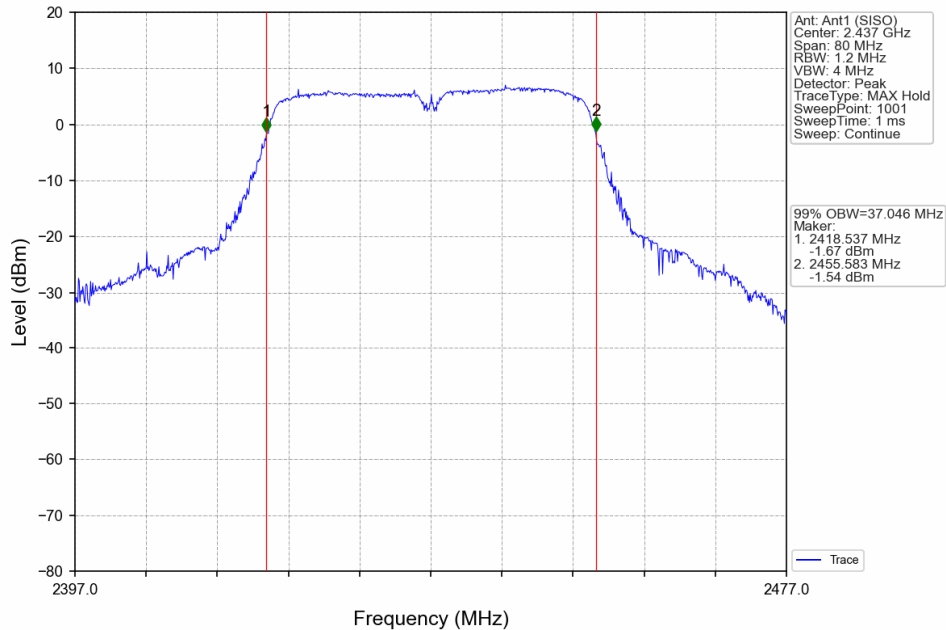
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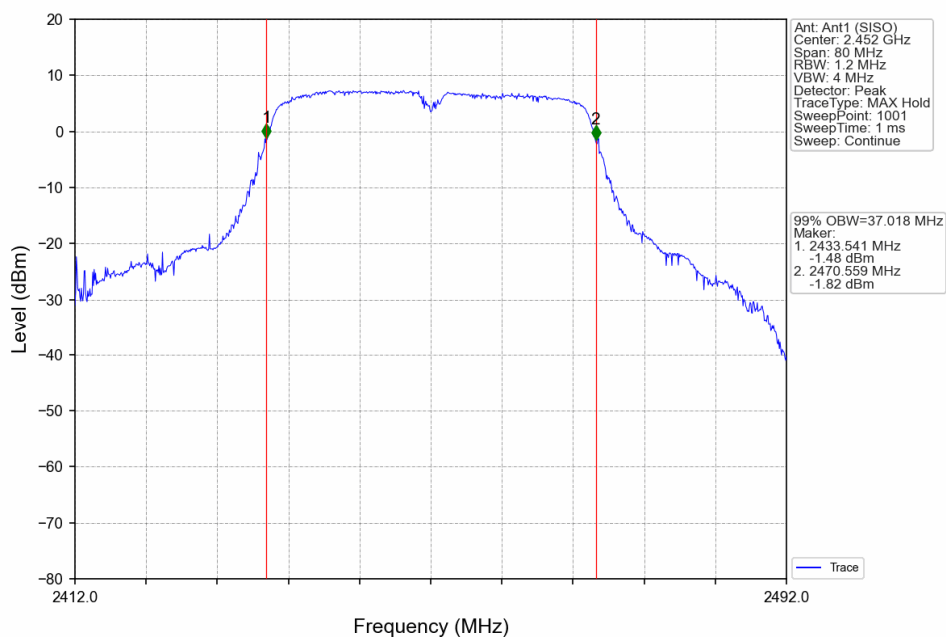
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.059	≥ 0.5	Pass
		2437	1	7.124	≥ 0.5	Pass
		2462	1	7.621	≥ 0.5	Pass
802.11g	SISO	2412	1	16.392	≥ 0.5	Pass
		2437	1	16.405	≥ 0.5	Pass
		2462	1	16.407	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.547	≥ 0.5	Pass
		2437	1	17.616	≥ 0.5	Pass
		2462	1	17.617	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	35.188	≥ 0.5	Pass
		2437	1	35.197	≥ 0.5	Pass
		2452	1	35.191	≥ 0.5	Pass



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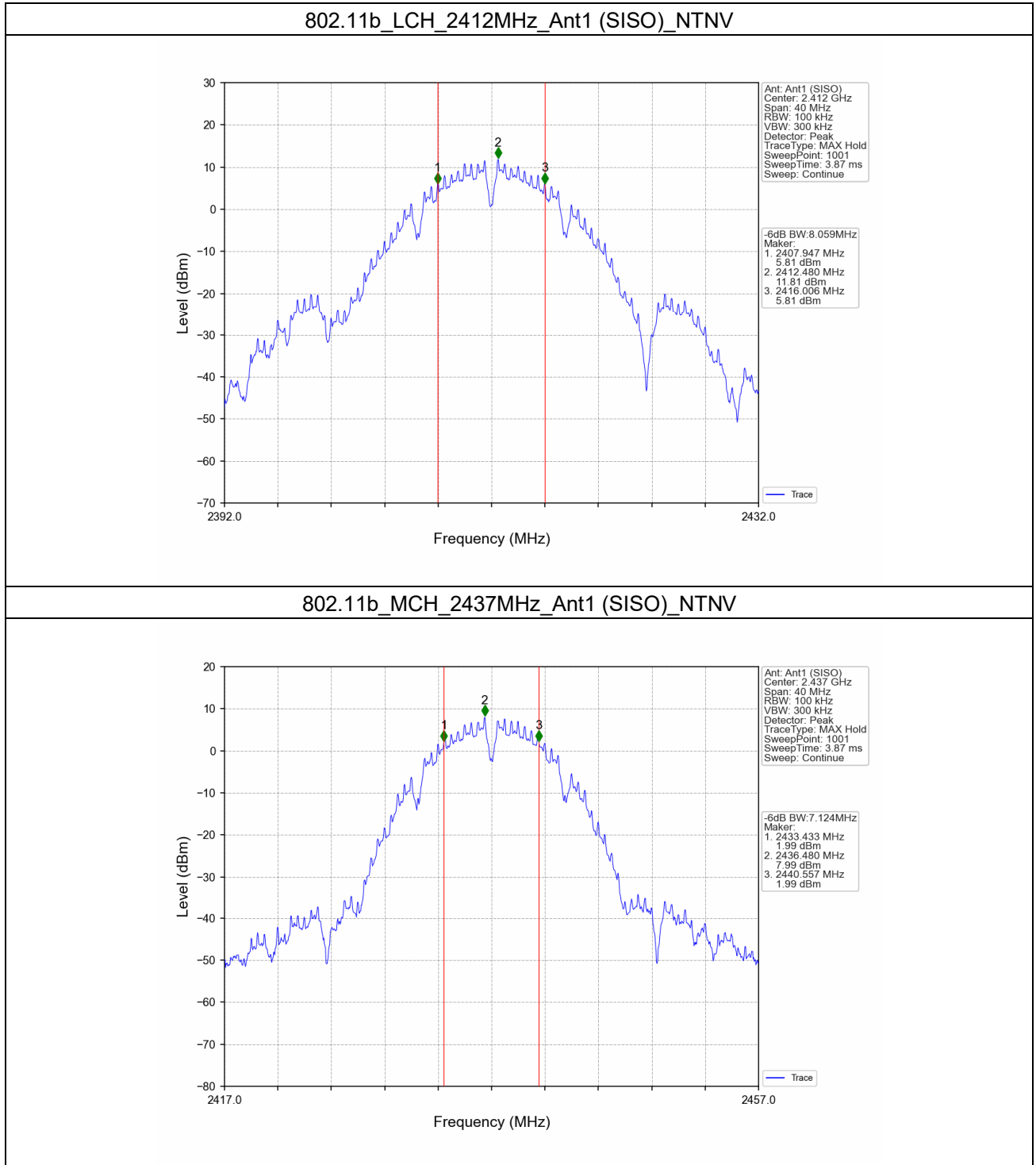
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2.2.2 Test Graph



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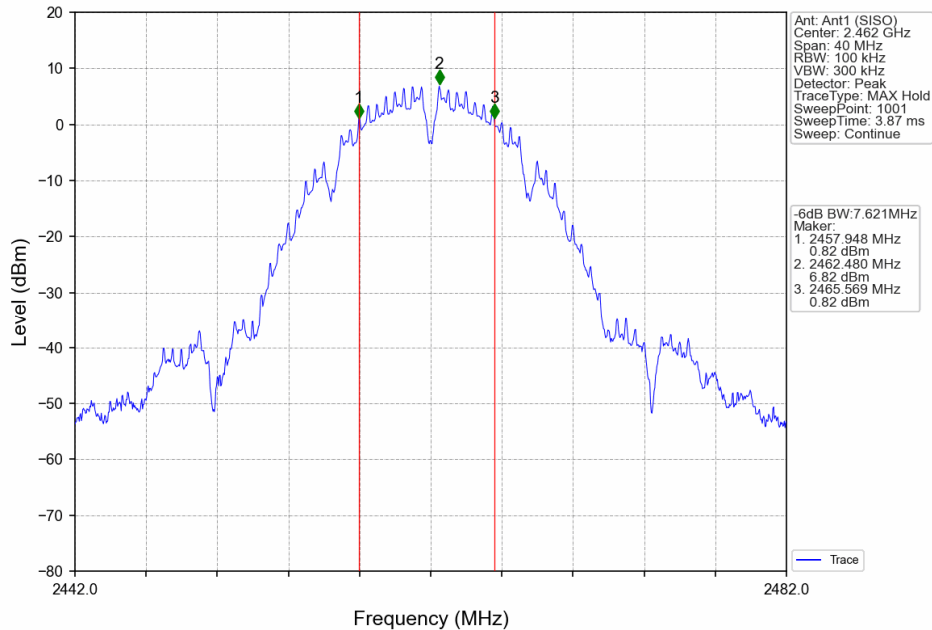
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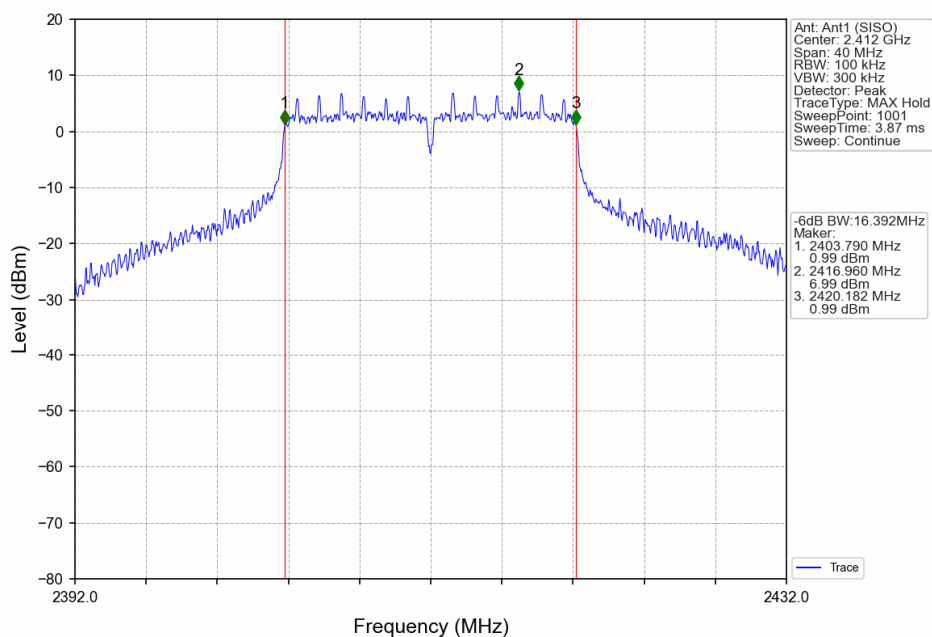
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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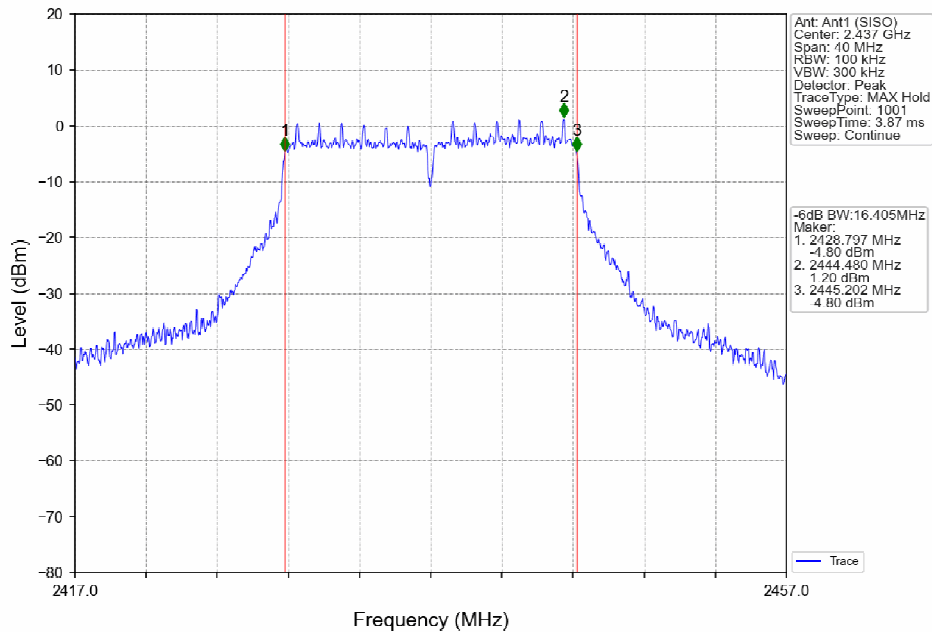
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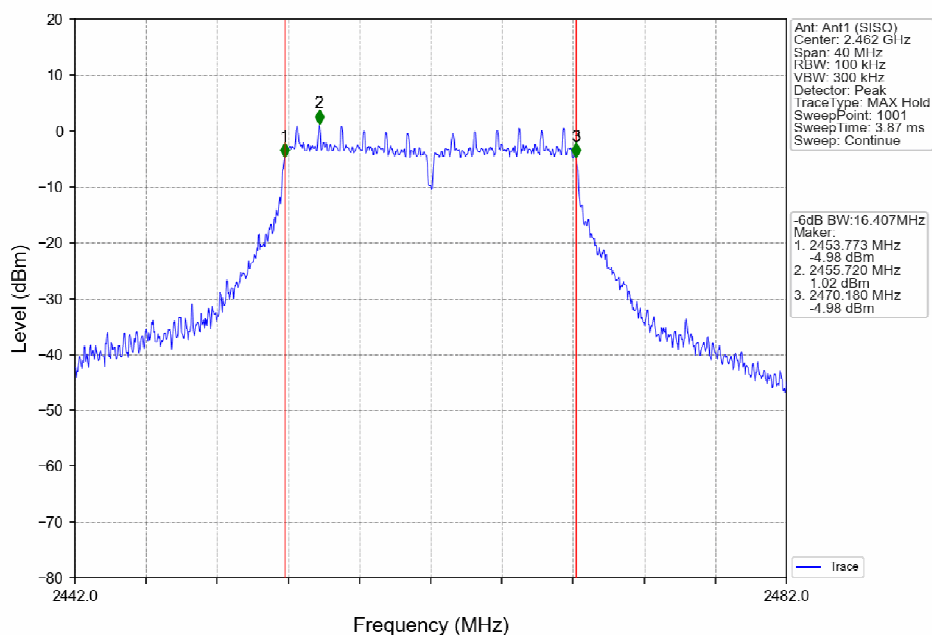
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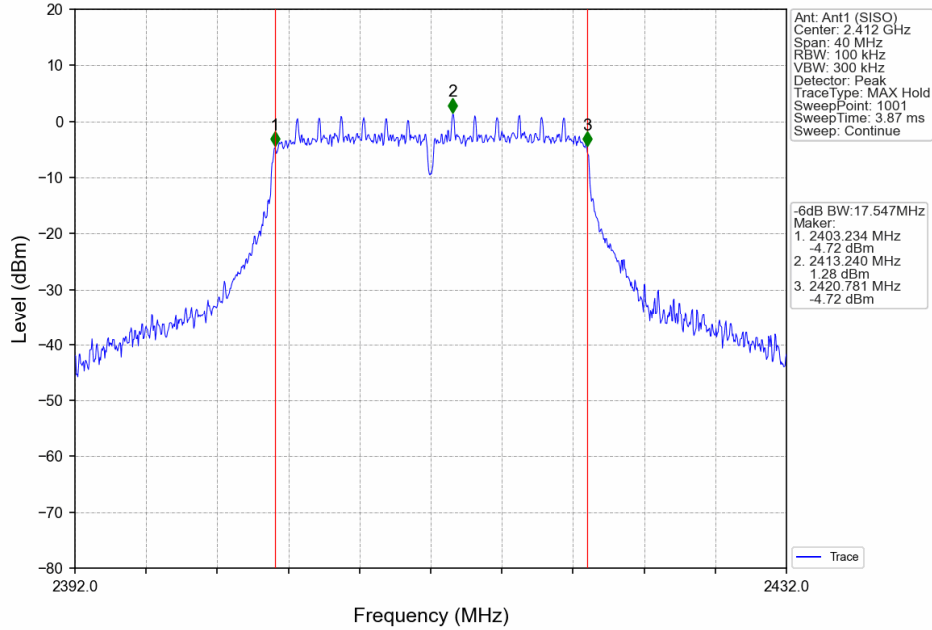
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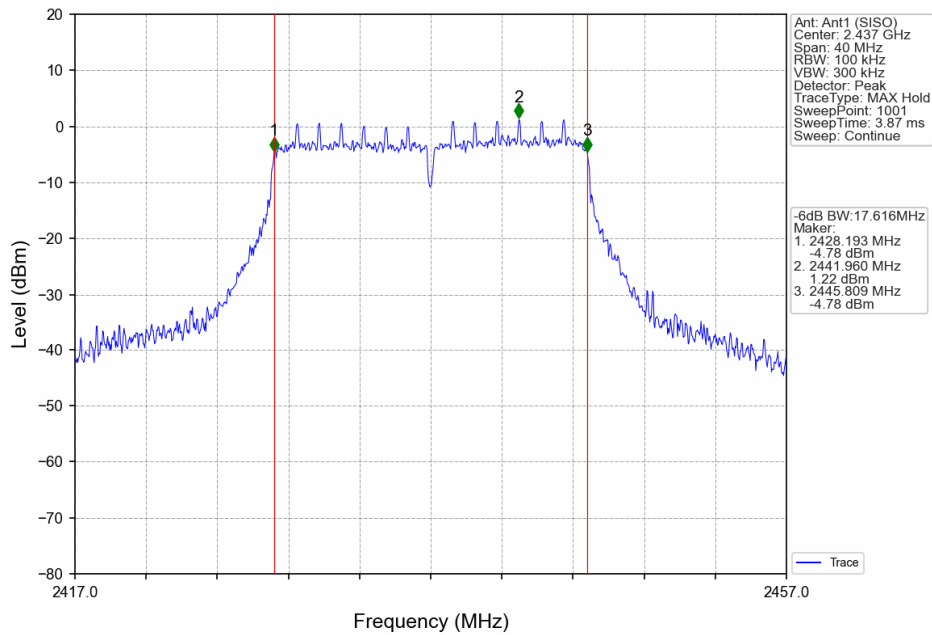
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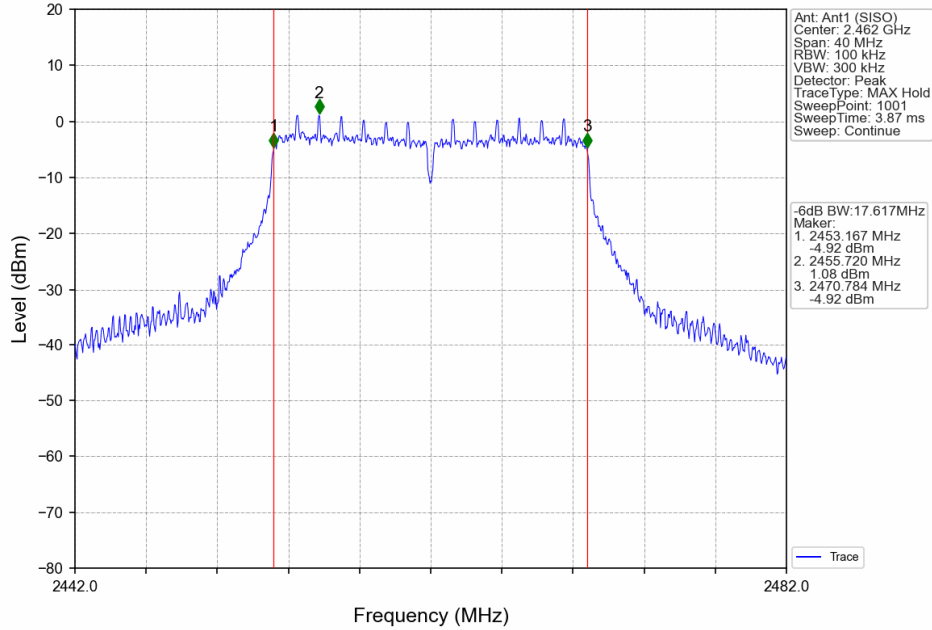
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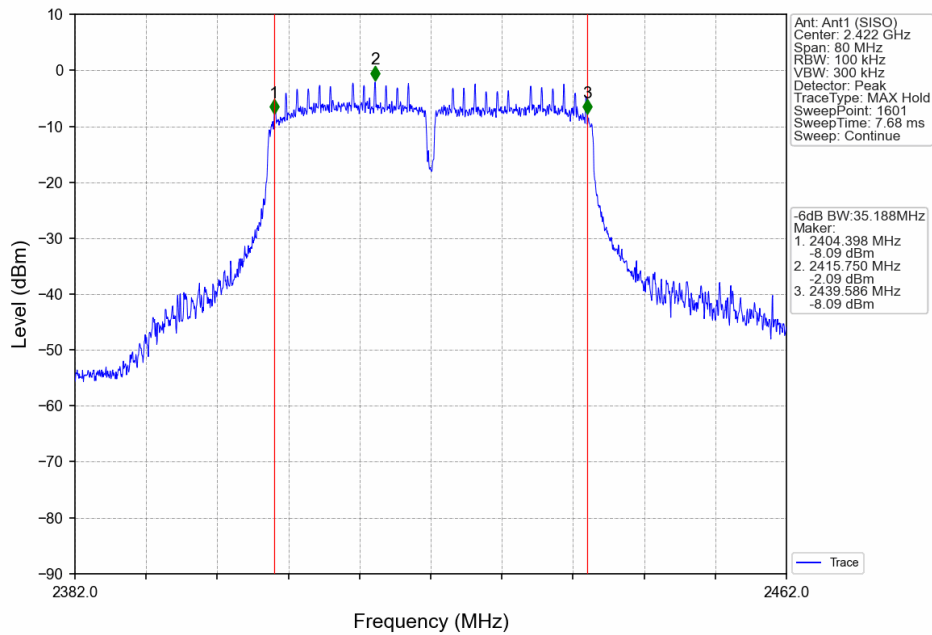
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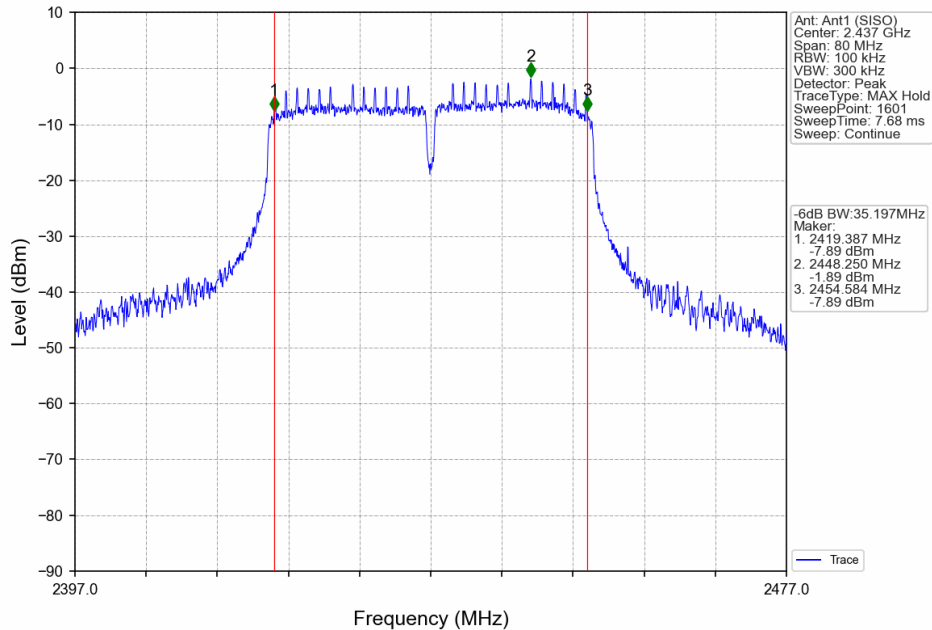
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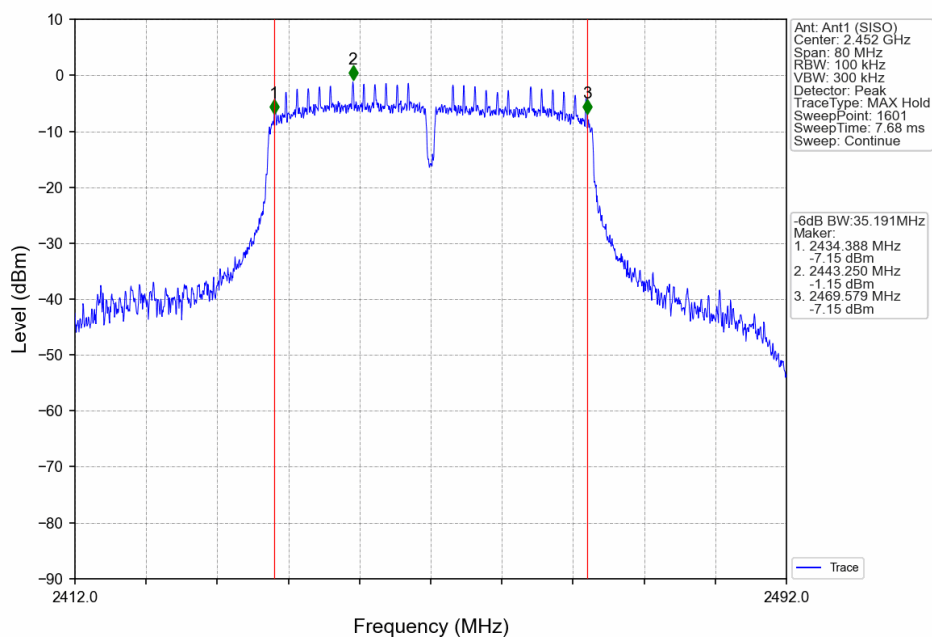
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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	16.31	<=30	Pass
		2437	15.42	<=30	Pass
		2462	14.59	<=30	Pass
802.11g	SISO	2412	11.93	<=30	Pass
		2437	11.58	<=30	Pass
		2462	11.26	<=30	Pass
802.11n (HT20)	SISO	2412	11.88	<=30	Pass
		2437	11.61	<=30	Pass
		2462	11.35	<=30	Pass
802.11n (HT40)	SISO	2422	10.90	<=30	Pass
		2437	10.80	<=30	Pass
		2452	11.65	<=30	Pass

Note1: Antenna Gain: Ant1: 1.10dBi;



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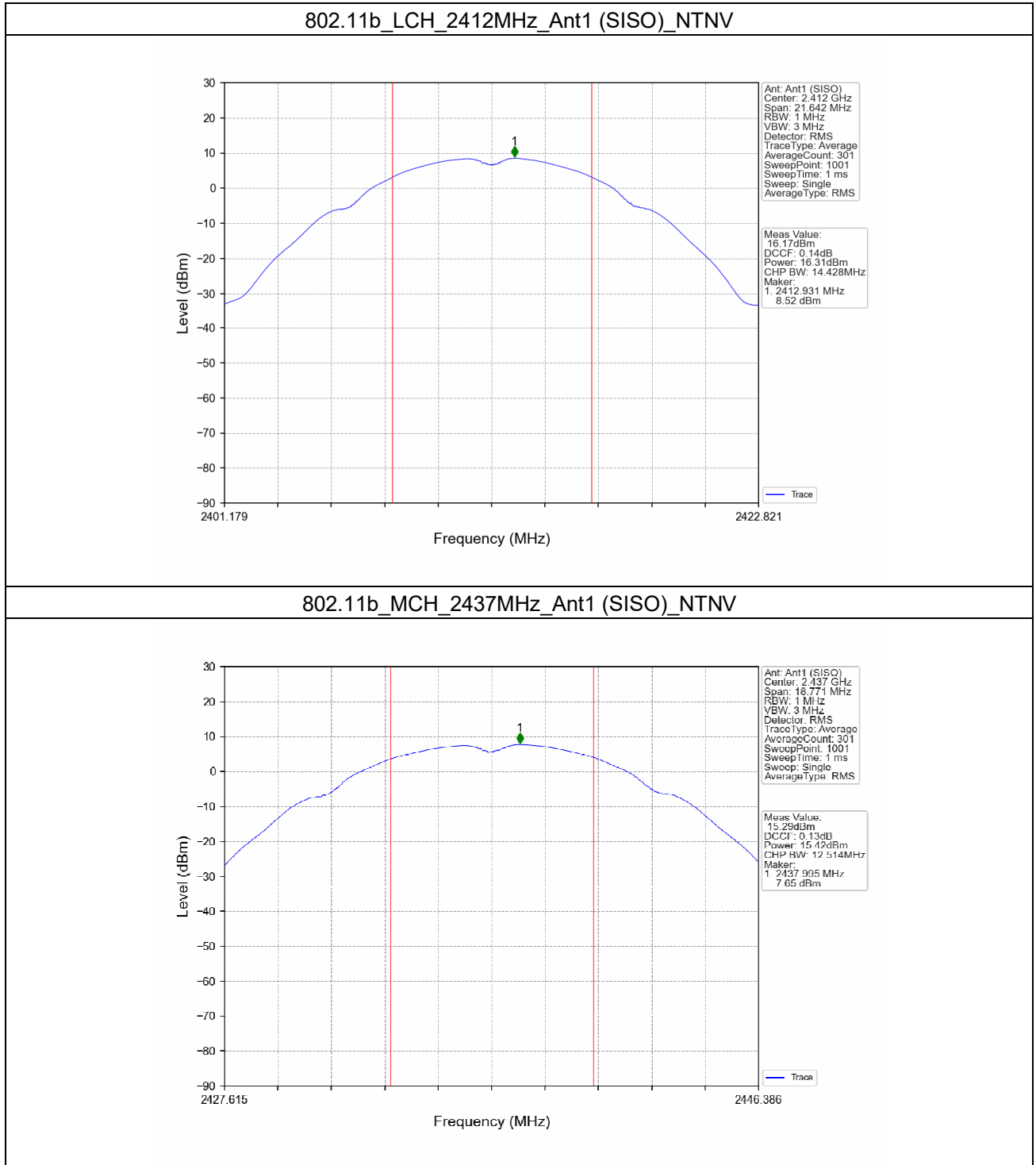
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3.1.2 Test Graph



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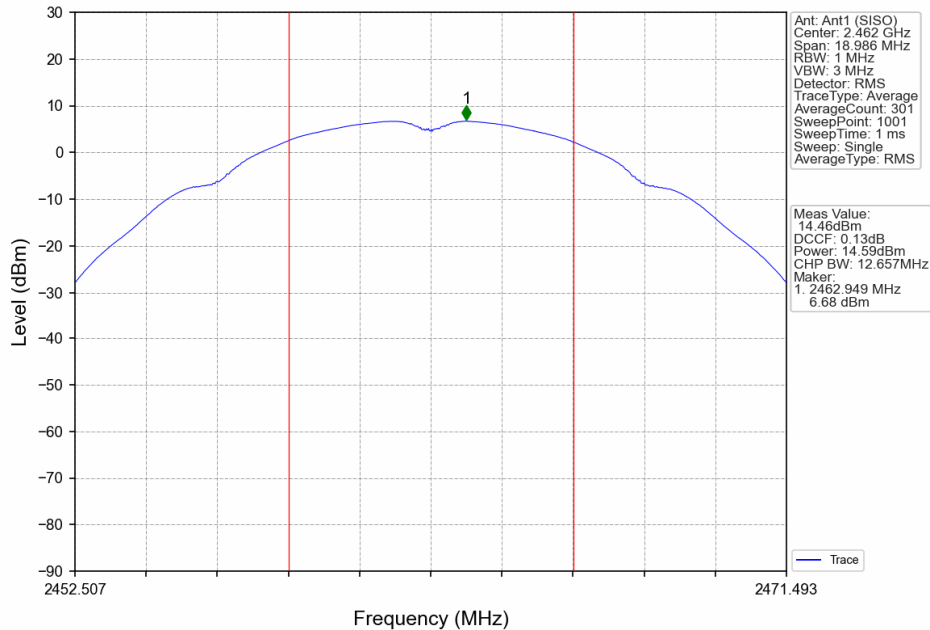
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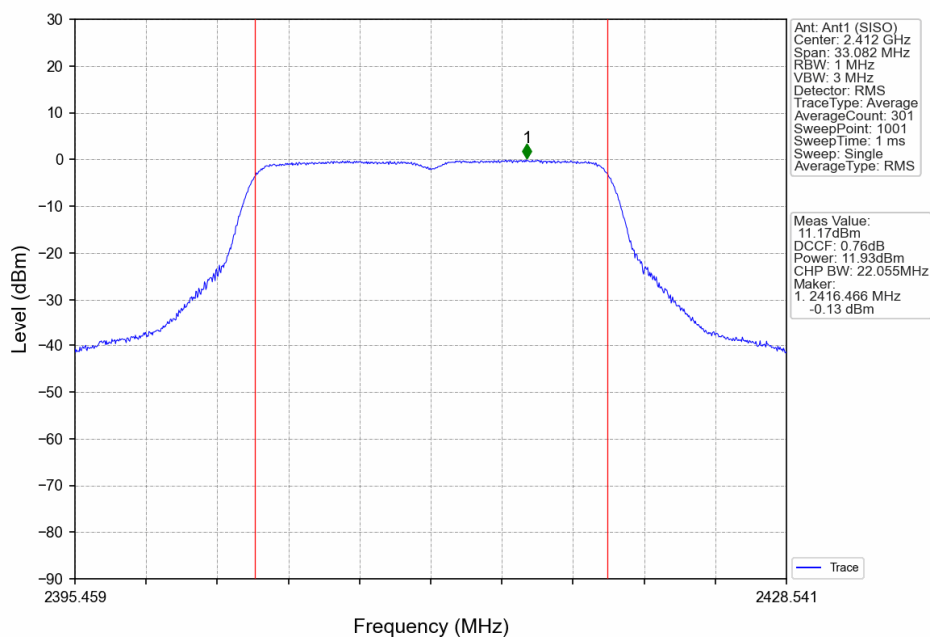
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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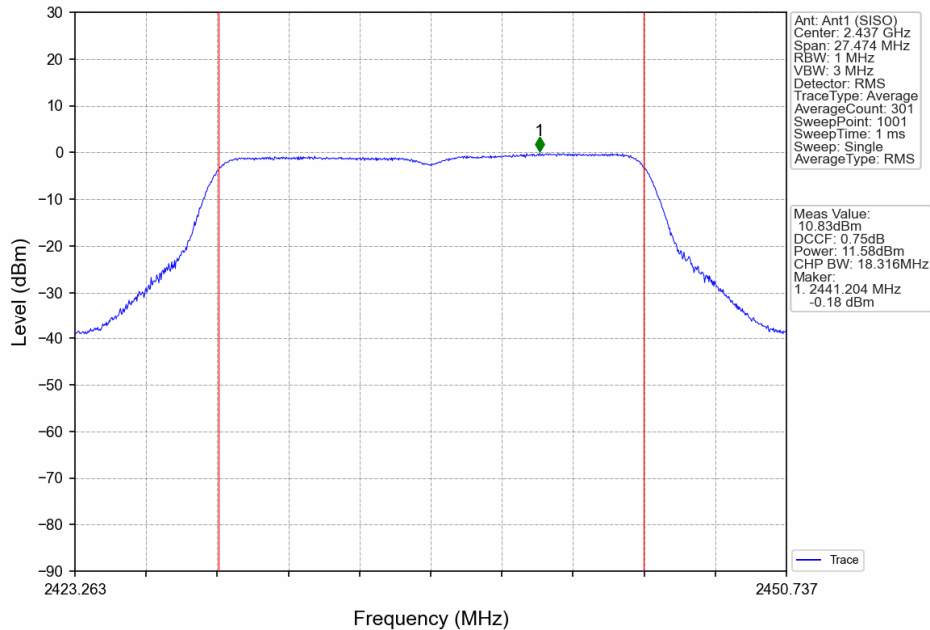
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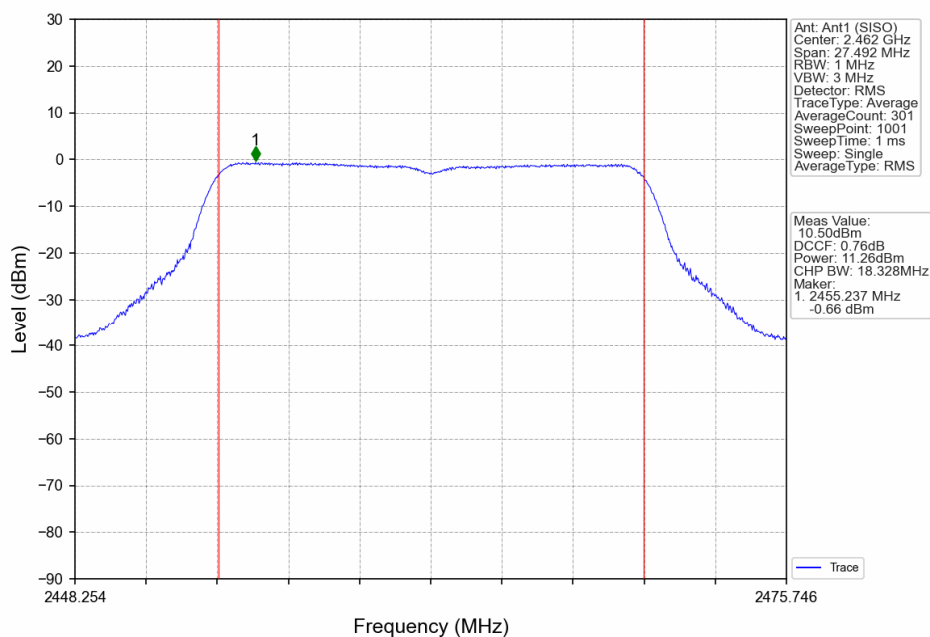
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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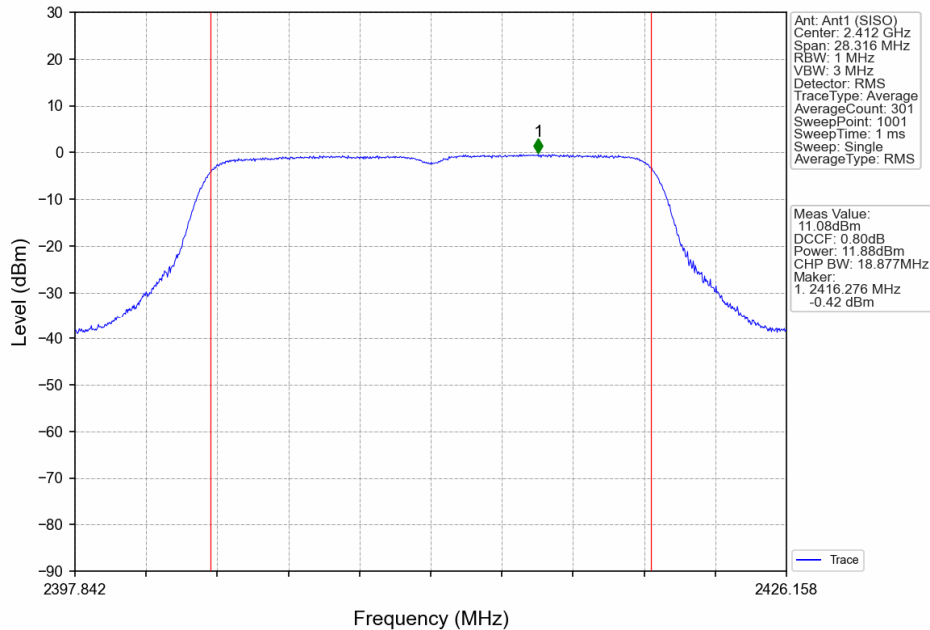
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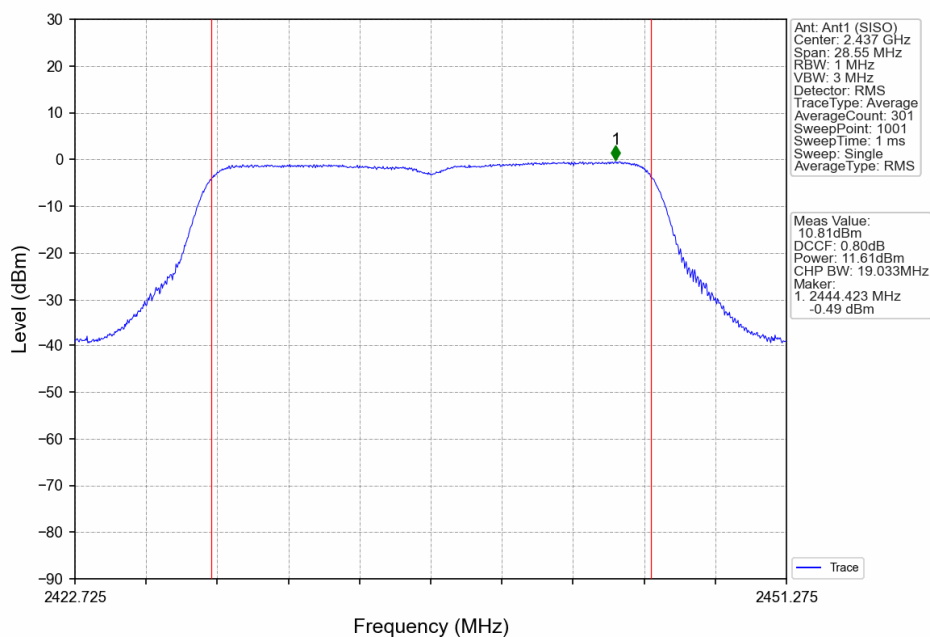
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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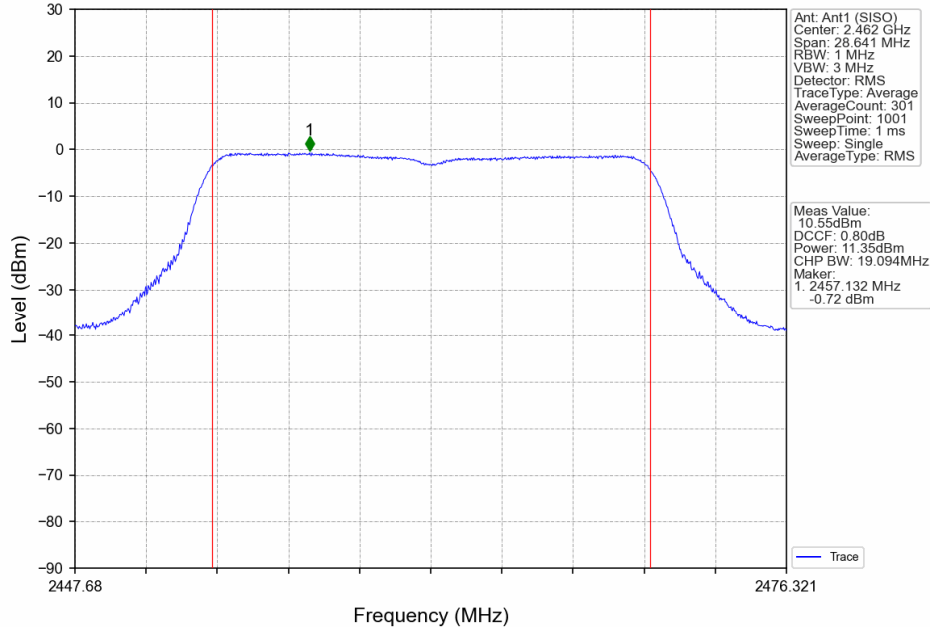
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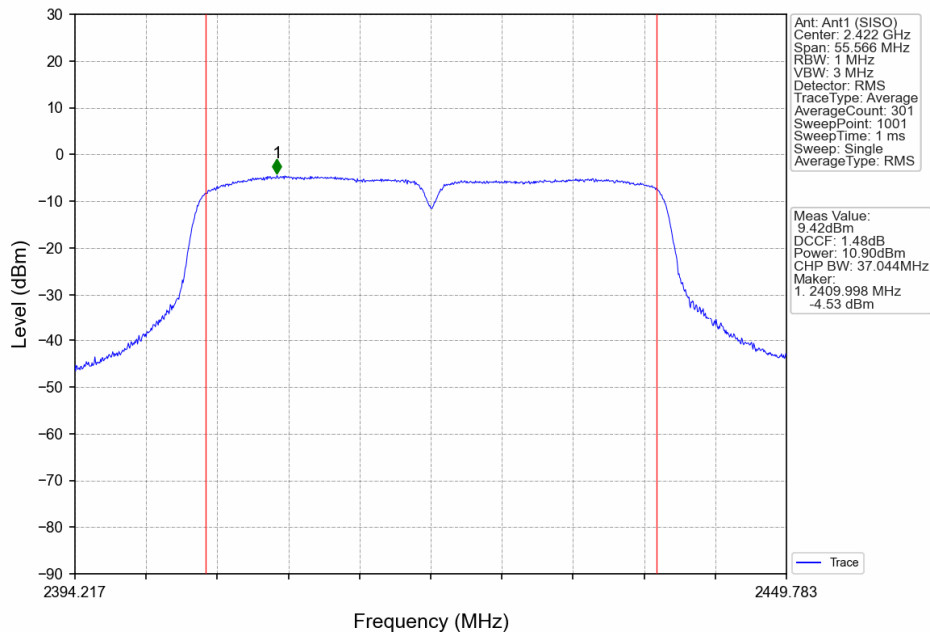
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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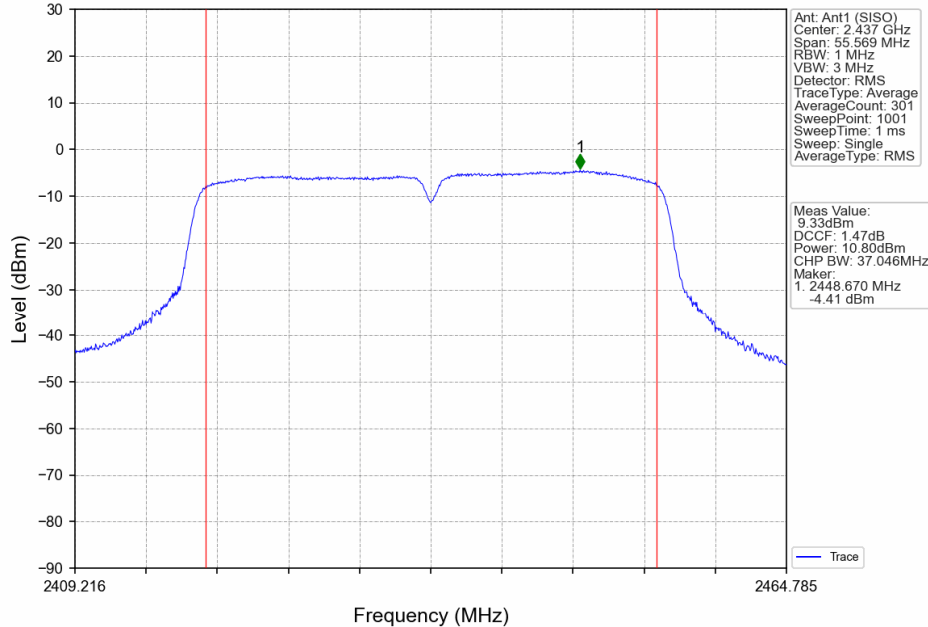
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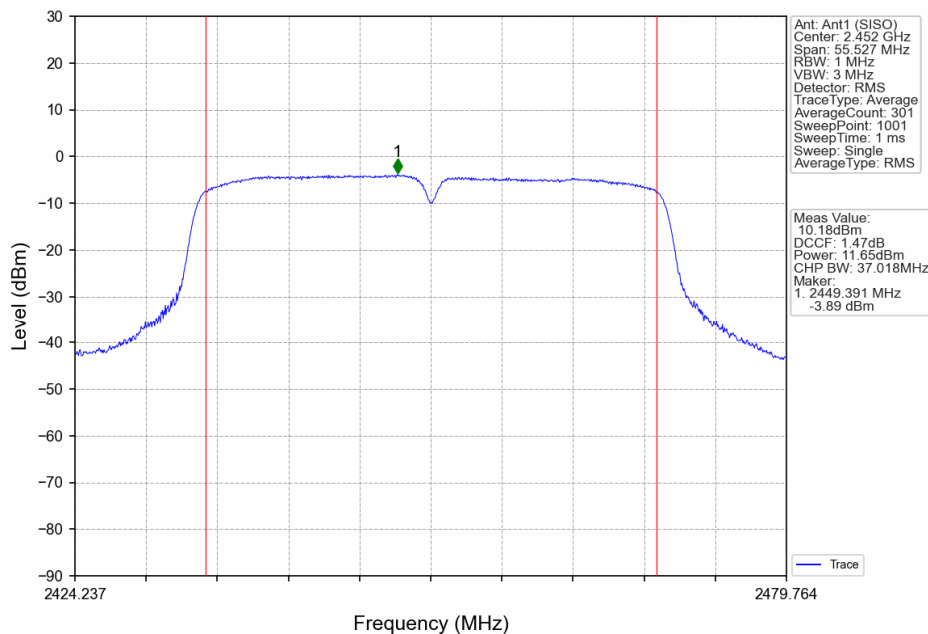
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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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	-4.63	<=8	Pass
		2437	-7.72	<=8	Pass
		2462	-7.61	<=8	Pass
802.11g	SISO	2412	-13.41	<=8	Pass
		2437	-13.97	<=8	Pass
		2462	-14.53	<=8	Pass
802.11n (HT20)	SISO	2412	-13.63	<=8	Pass
		2437	-12.26	<=8	Pass
		2462	-14.45	<=8	Pass
802.11n (HT40)	SISO	2422	-16.39	<=8	Pass
		2437	-16.82	<=8	Pass
		2452	-16.99	<=8	Pass

Note1: Antenna Gain: Ant1: 1.10dBi;



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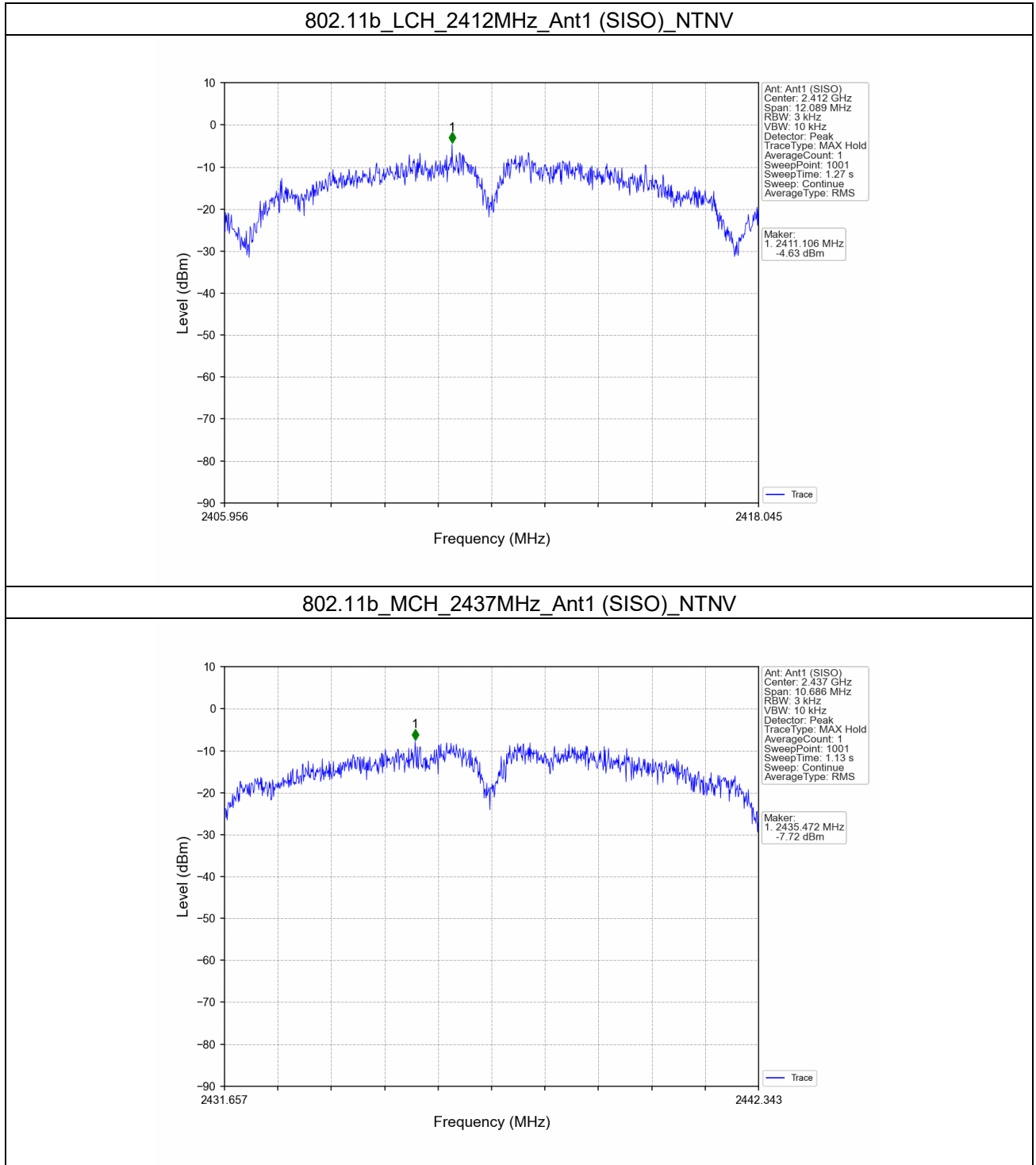
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4.1.2 Test Graph



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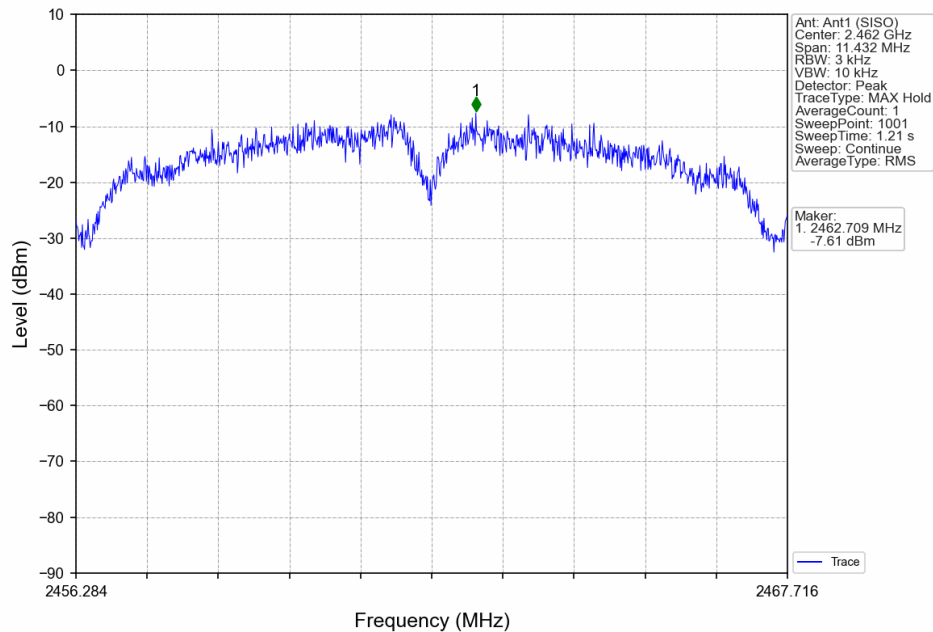
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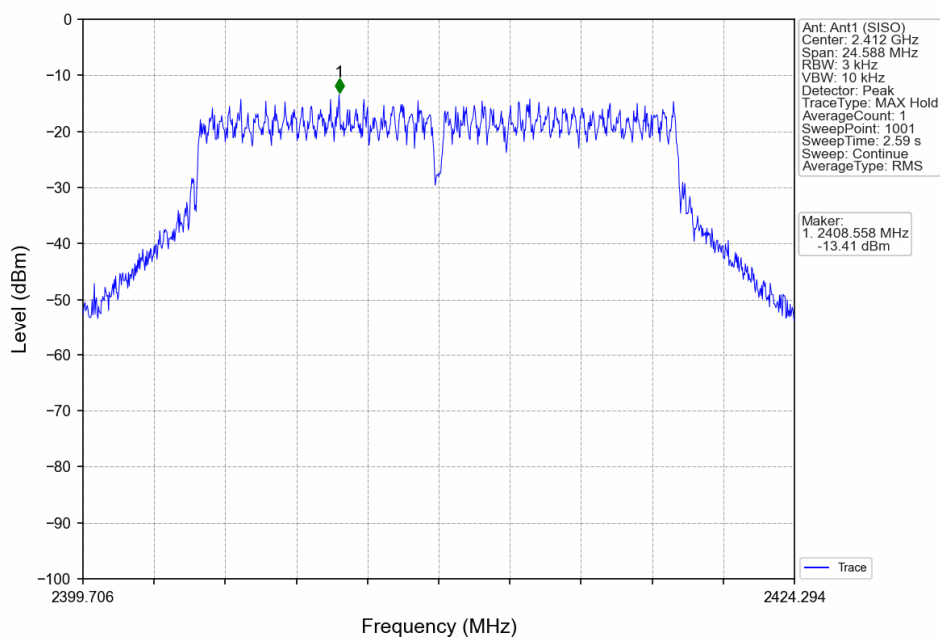
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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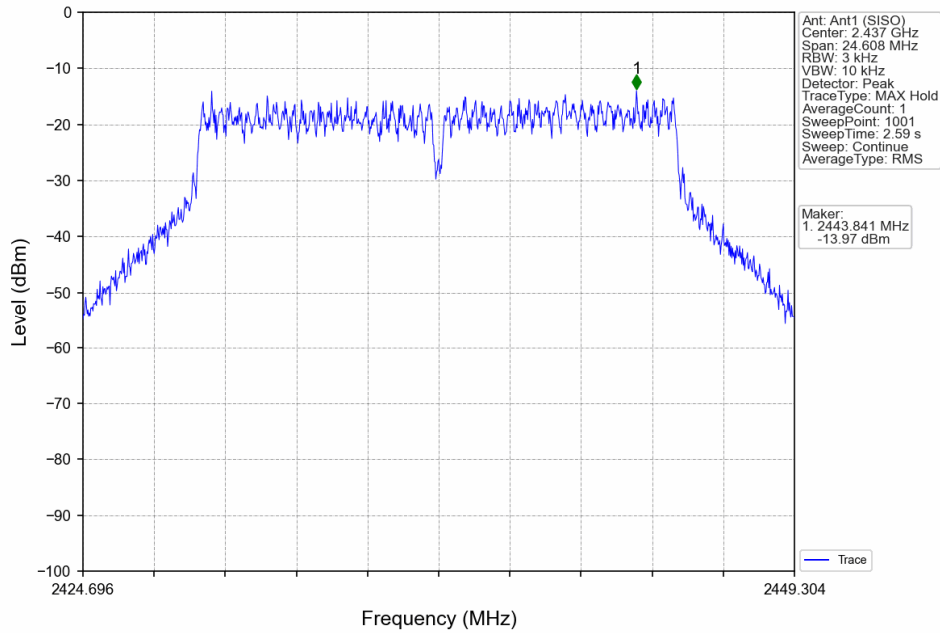
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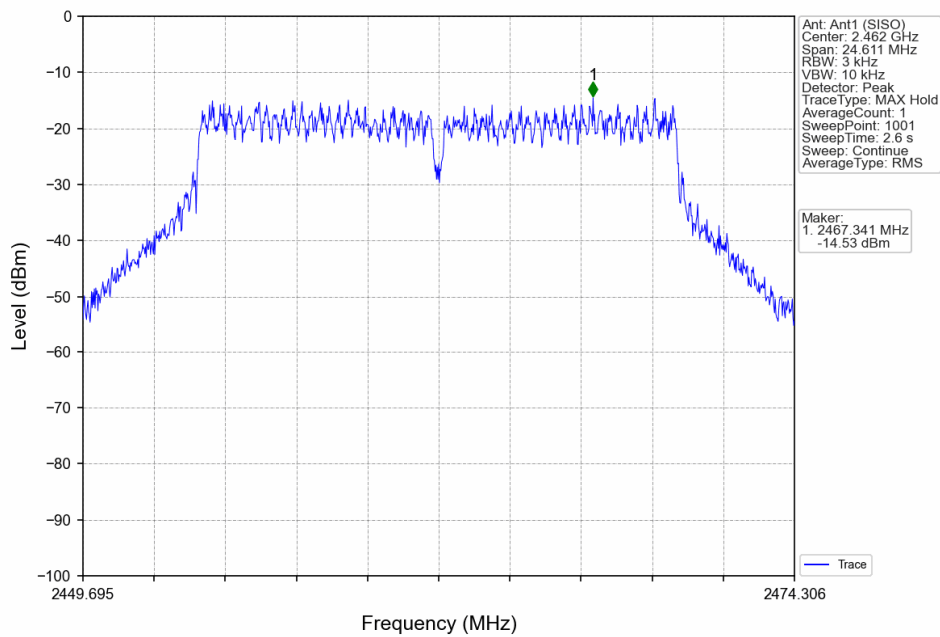
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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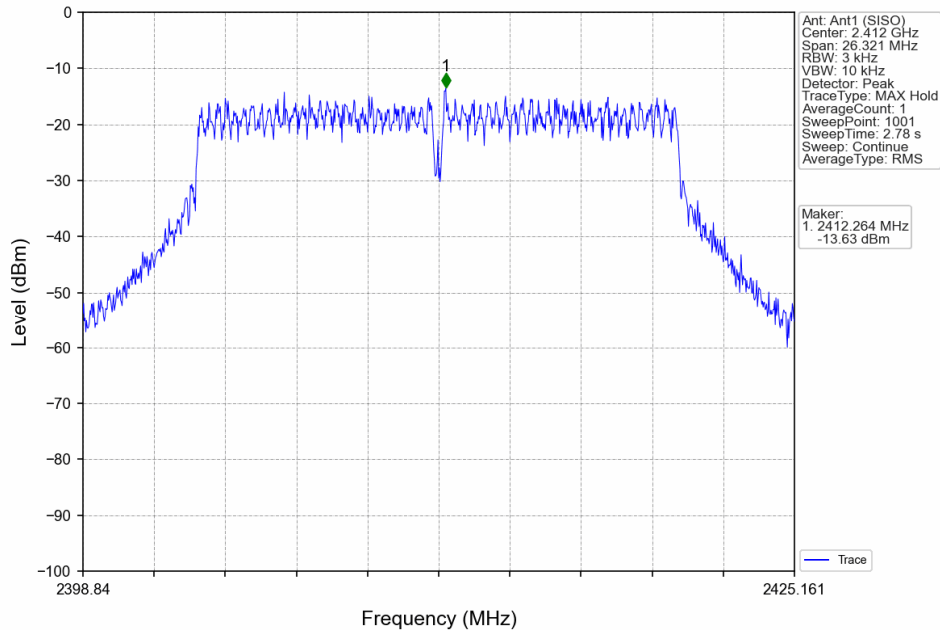
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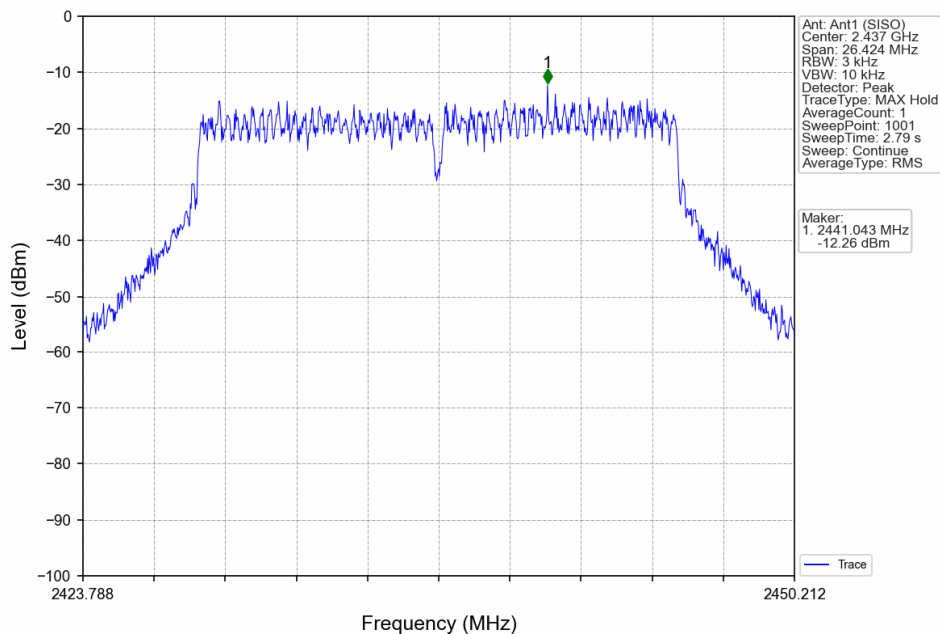
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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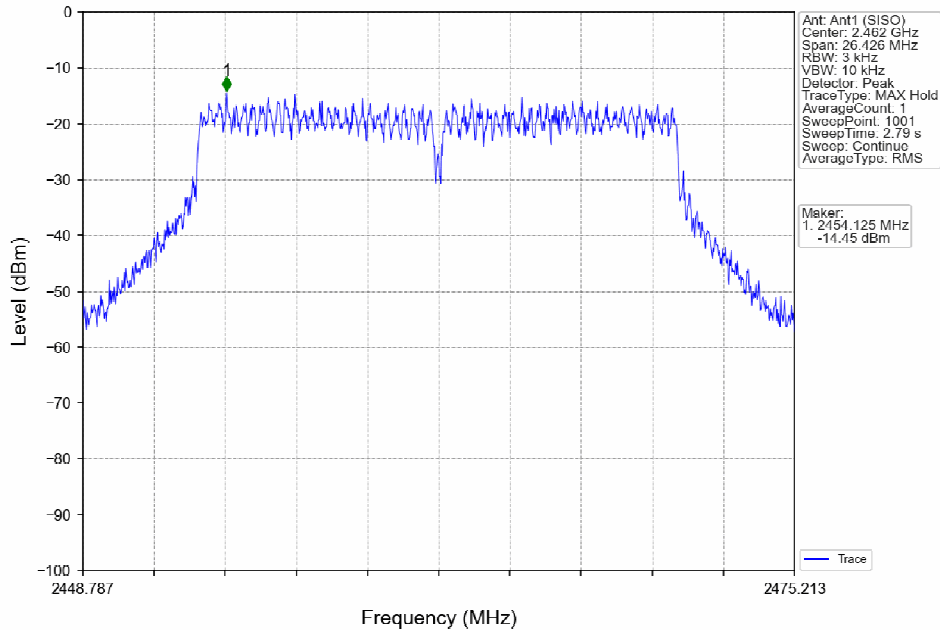
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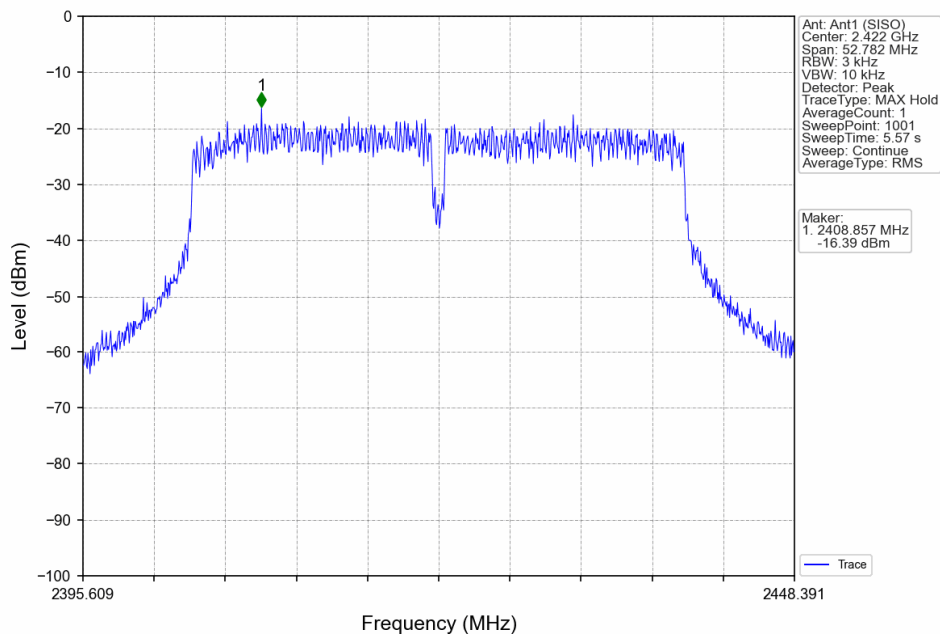
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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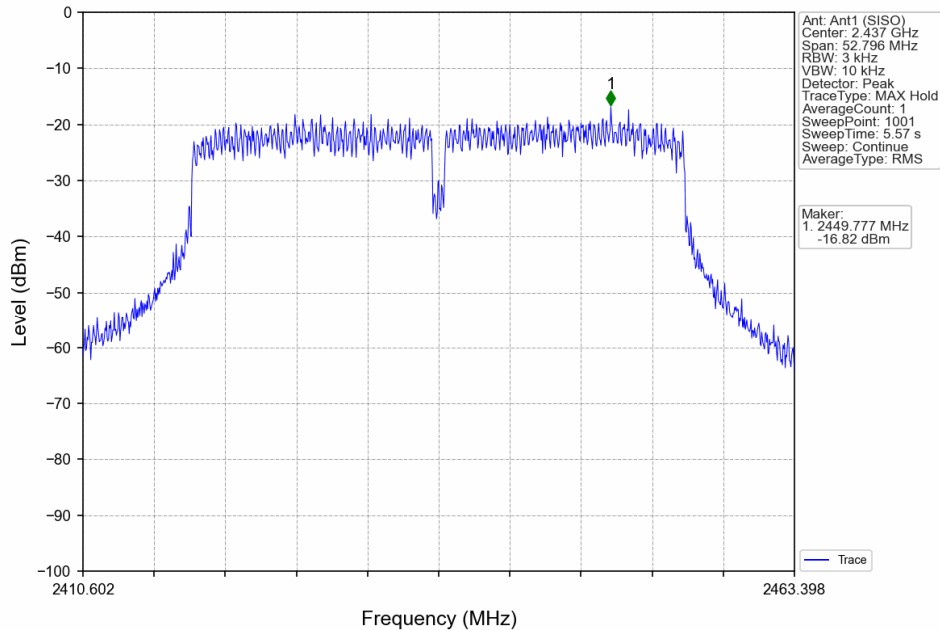
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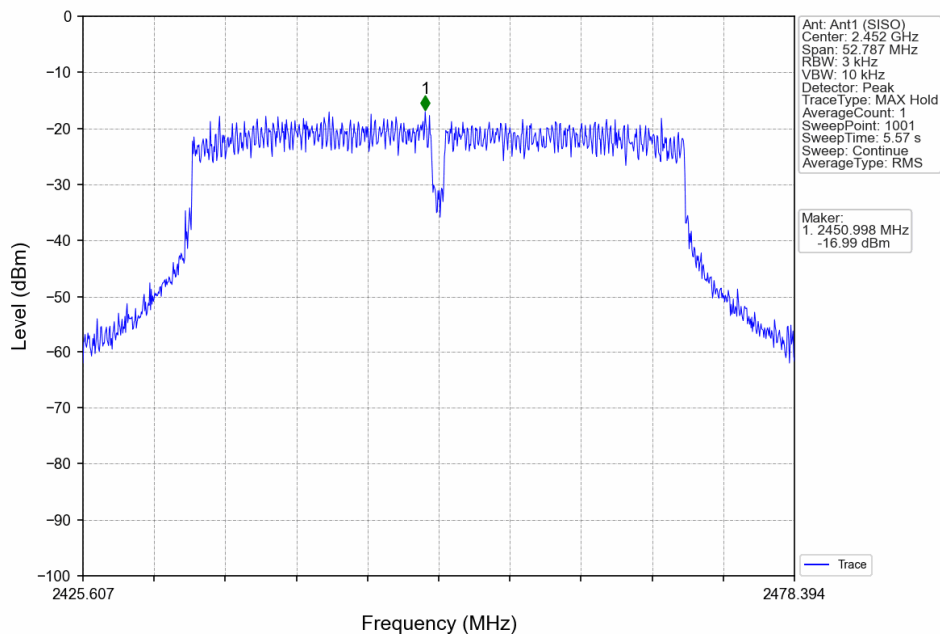
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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	8.48
		2437	1	7.40
		2462	1	7.16
802.11g	SISO	2412	1	1.20
		2437	1	1.22
		2462	1	1.00
802.11n (HT20)	SISO	2412	1	1.28
		2437	1	1.23
		2462	1	0.83
802.11n (HT40)	SISO	2422	1	-2.42
		2437	1	-1.91
		2452	1	-1.48

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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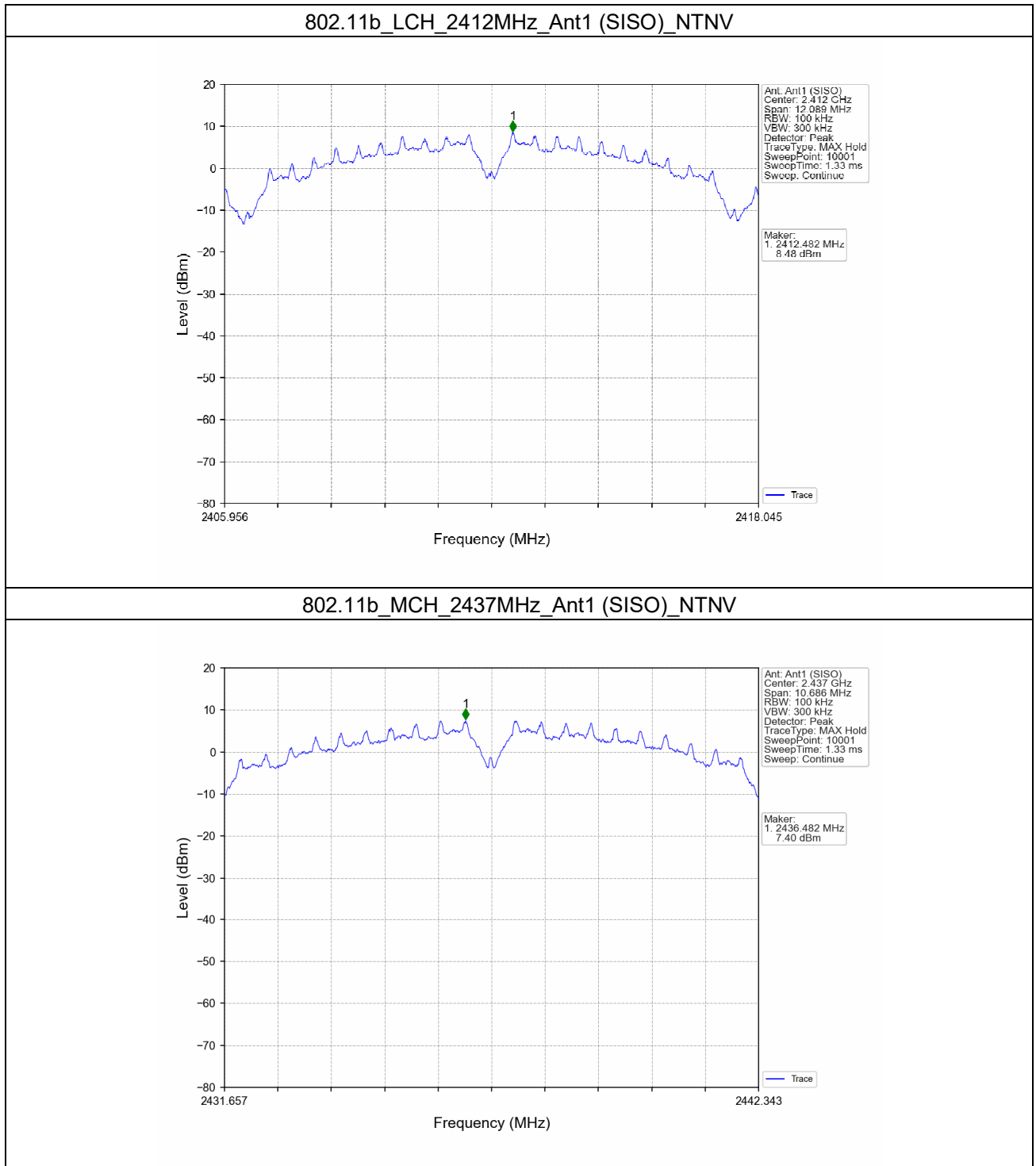
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5.1.2 Test Graph



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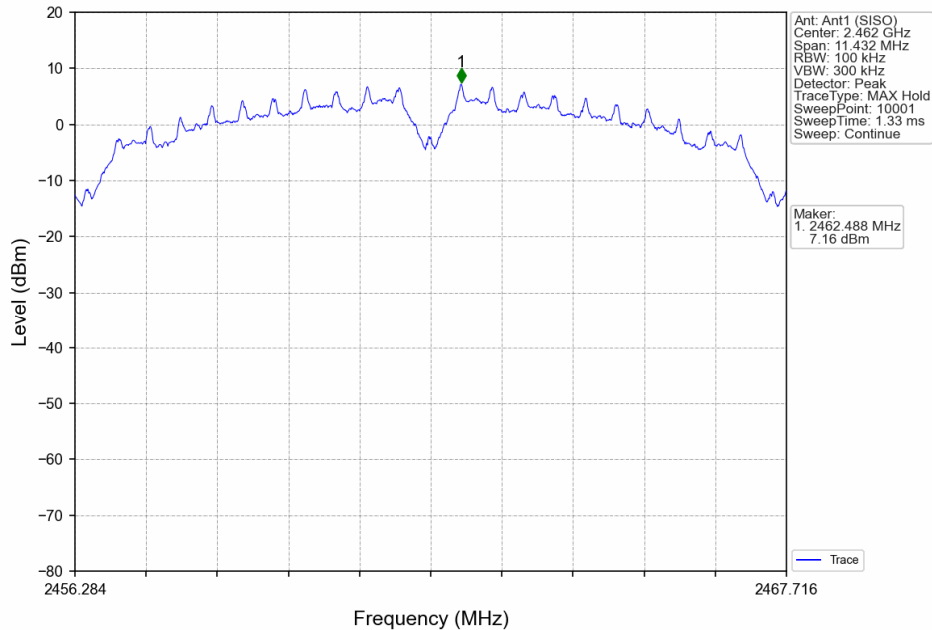
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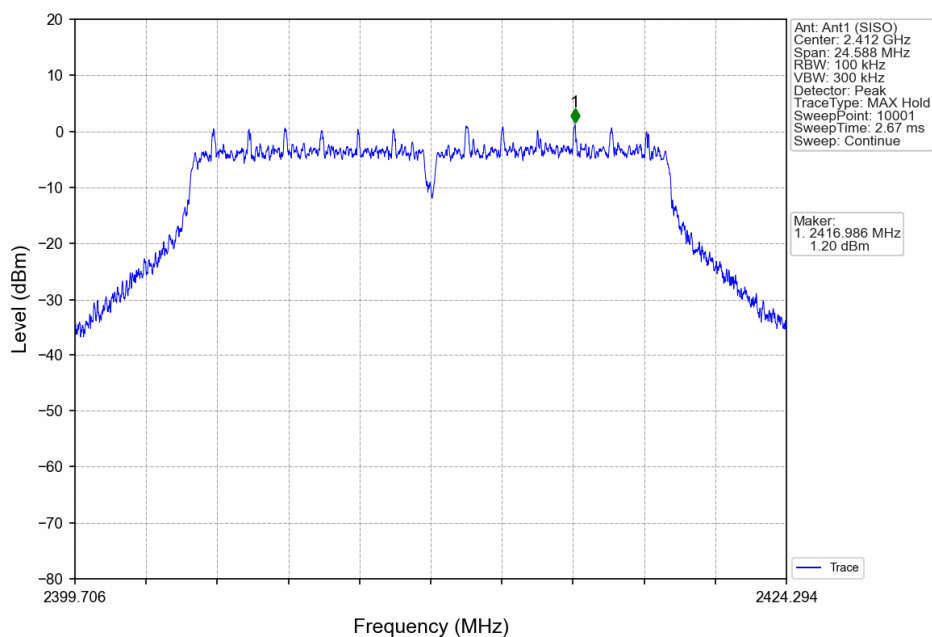
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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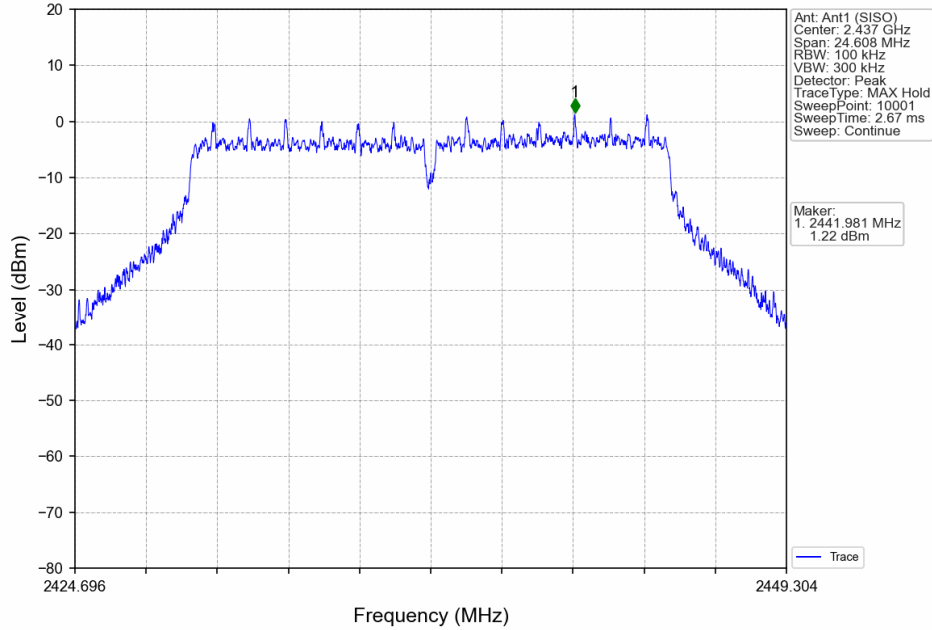
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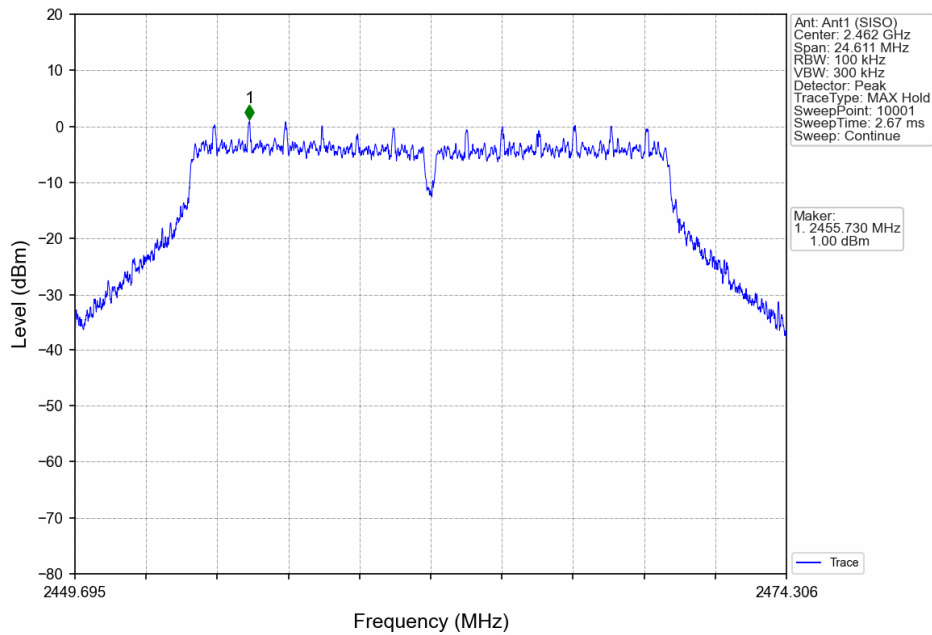
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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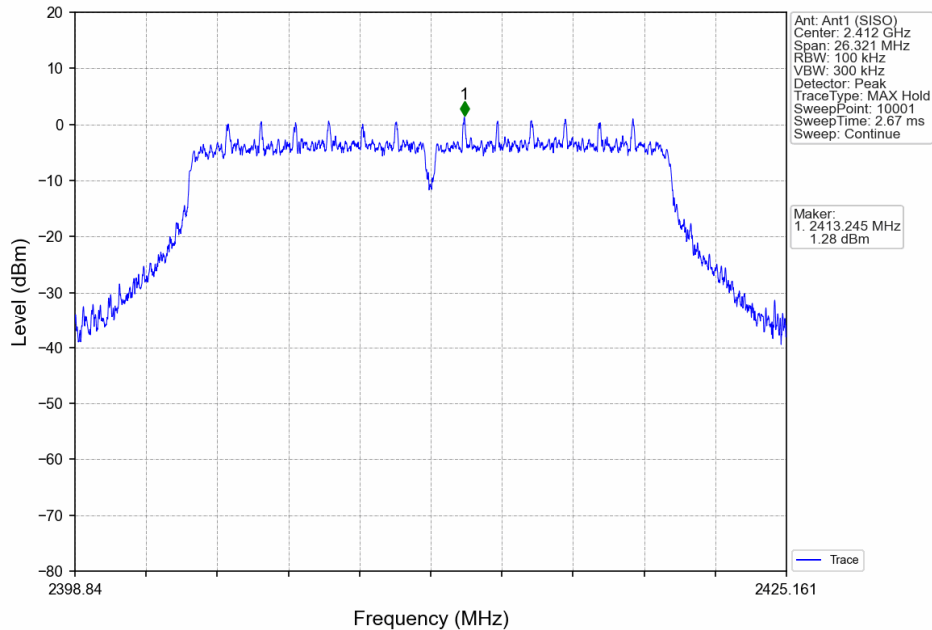
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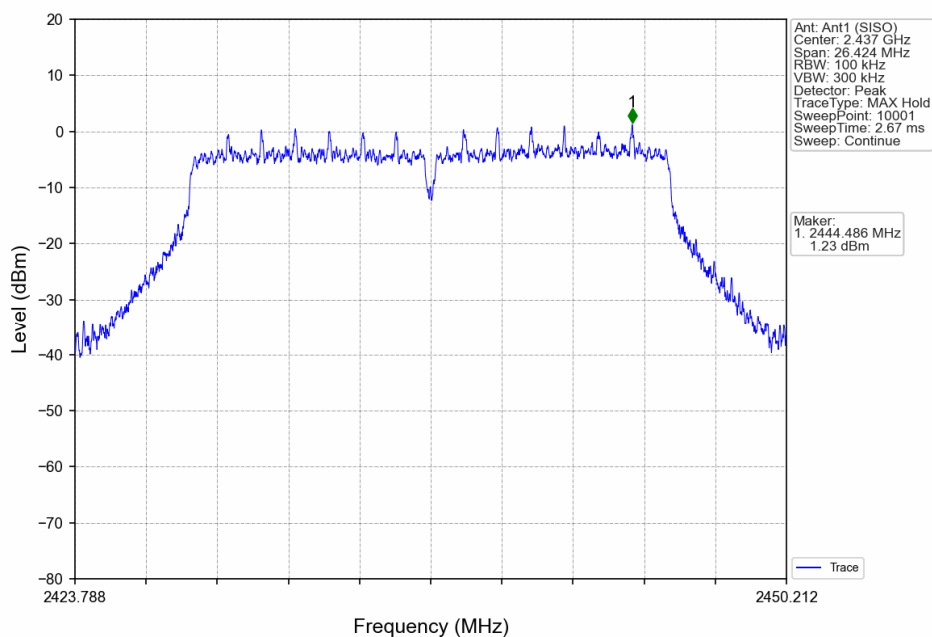
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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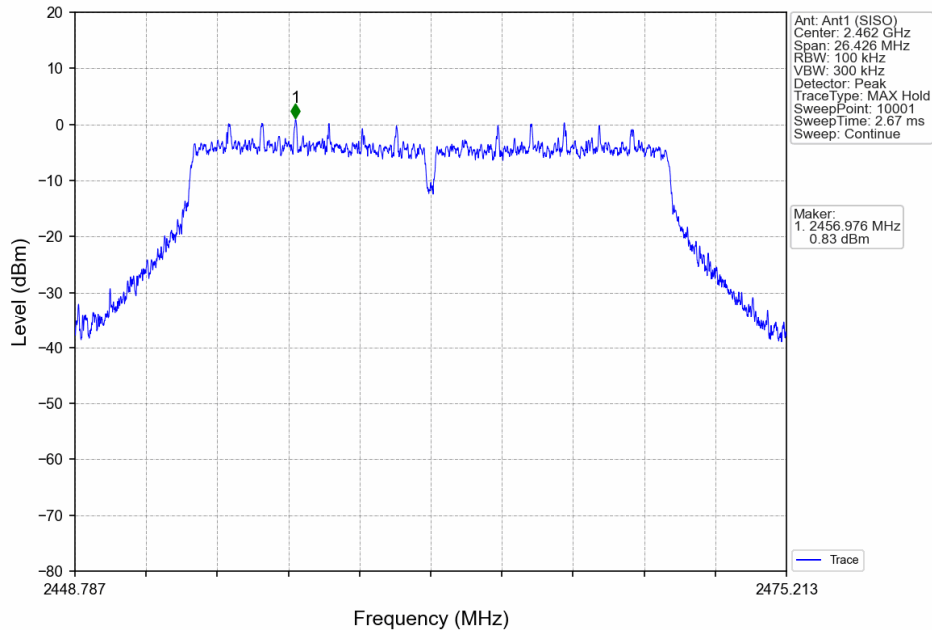
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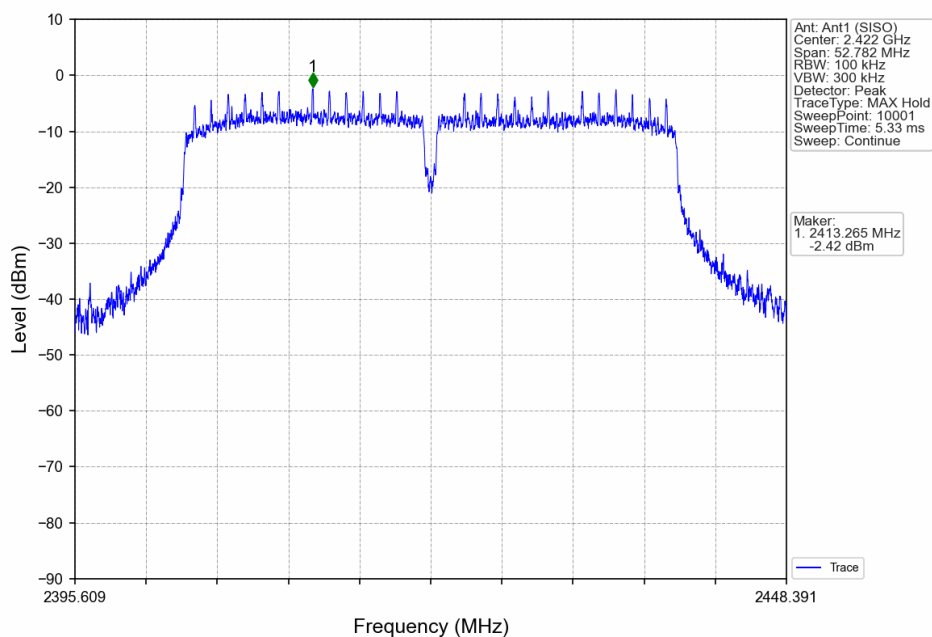
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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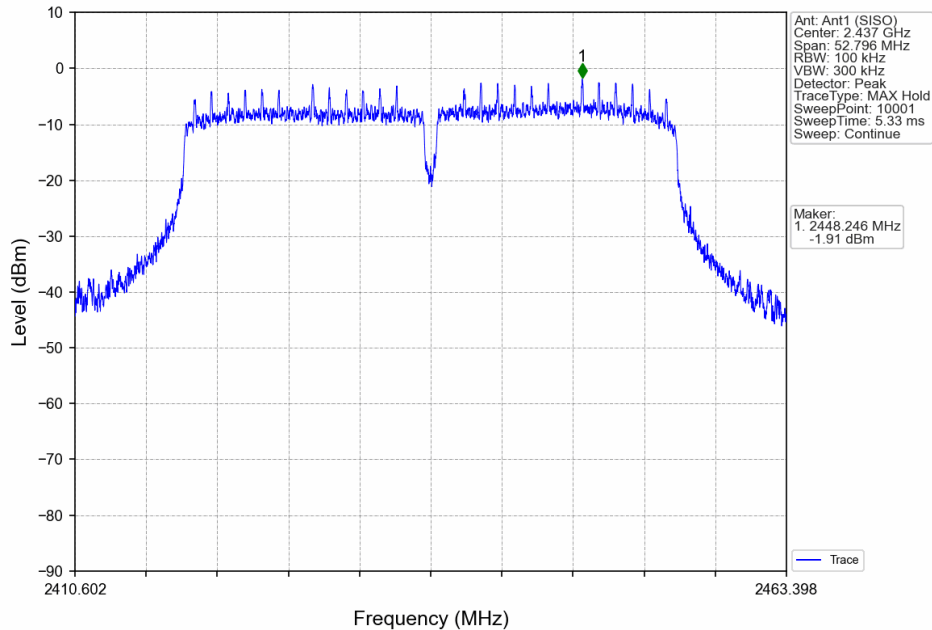
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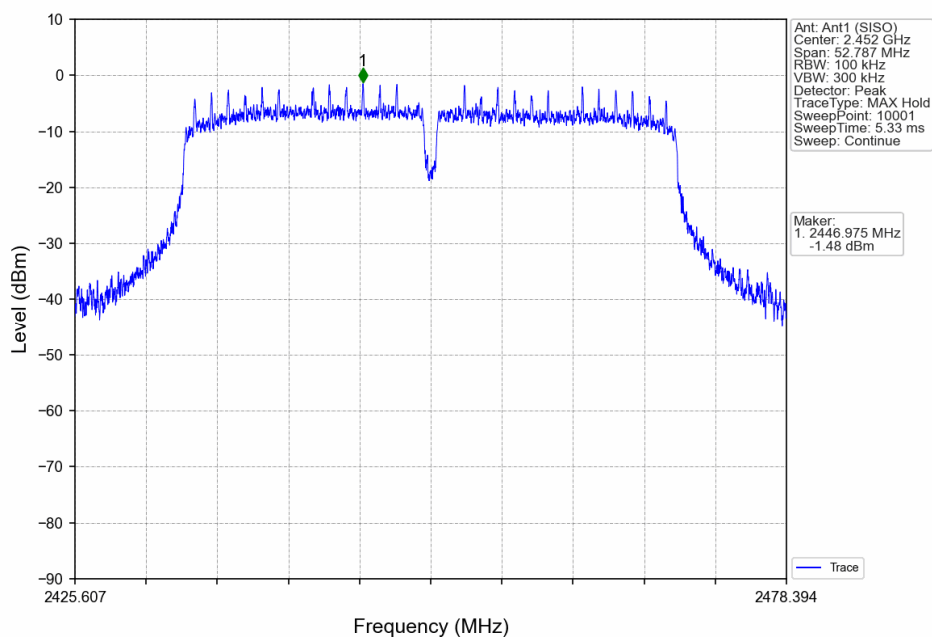
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5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	8.48	-21.52	Pass
		2437	1	8.48	-21.52	Pass
		2462	1	8.48	-21.52	Pass
802.11g	SISO	2412	1	1.22	-28.78	Pass
		2437	1	1.22	-28.78	Pass
		2462	1	1.22	-28.78	Pass
802.11n (HT20)	SISO	2412	1	1.28	-28.72	Pass
		2437	1	1.28	-28.72	Pass
		2462	1	1.28	-28.72	Pass
802.11n (HT40)	SISO	2422	1	-1.48	-31.48	Pass
		2437	1	-1.48	-31.48	Pass
		2452	1	-1.48	-31.48	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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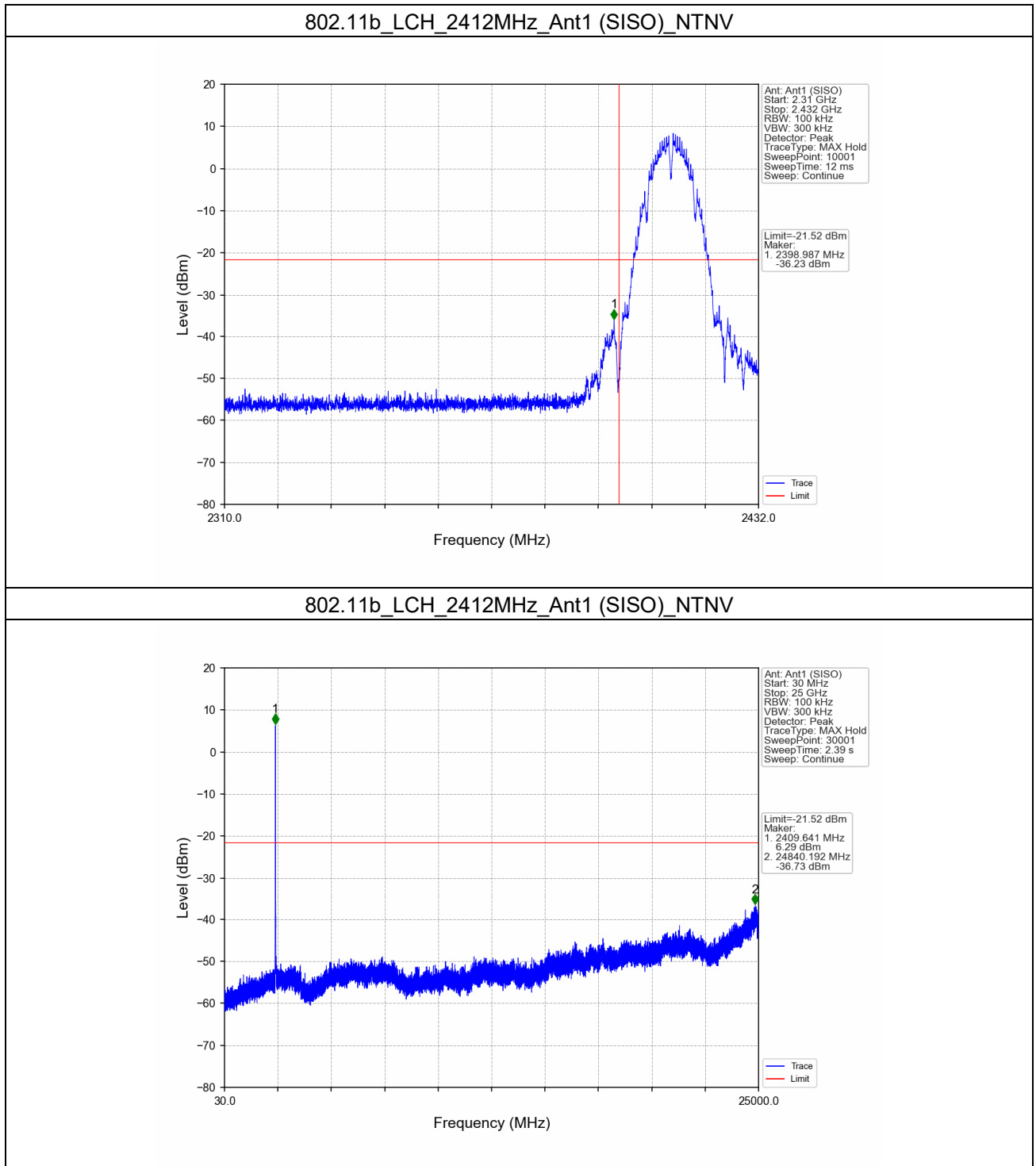
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5.2.2 Test Graph



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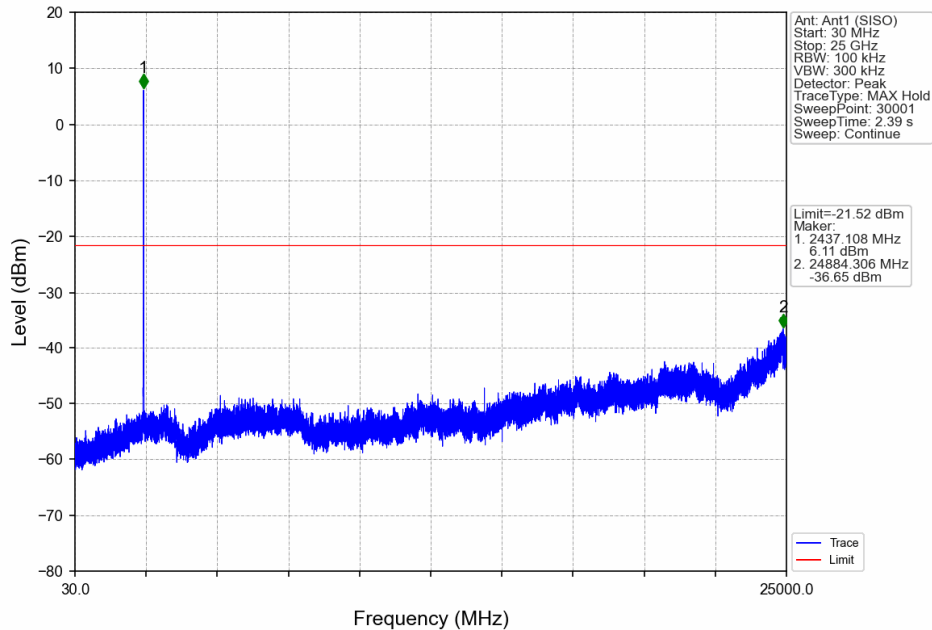
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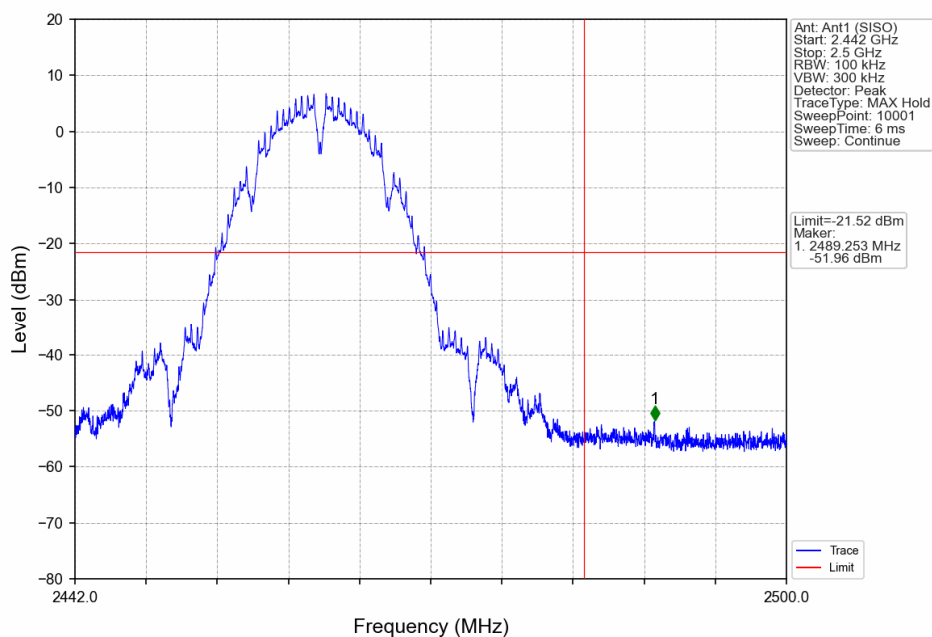
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802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



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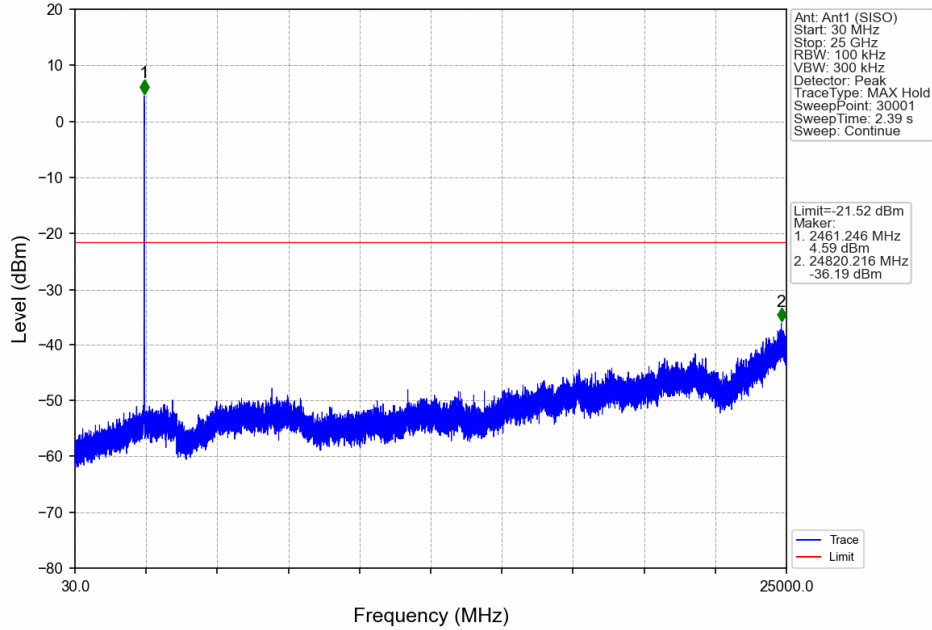
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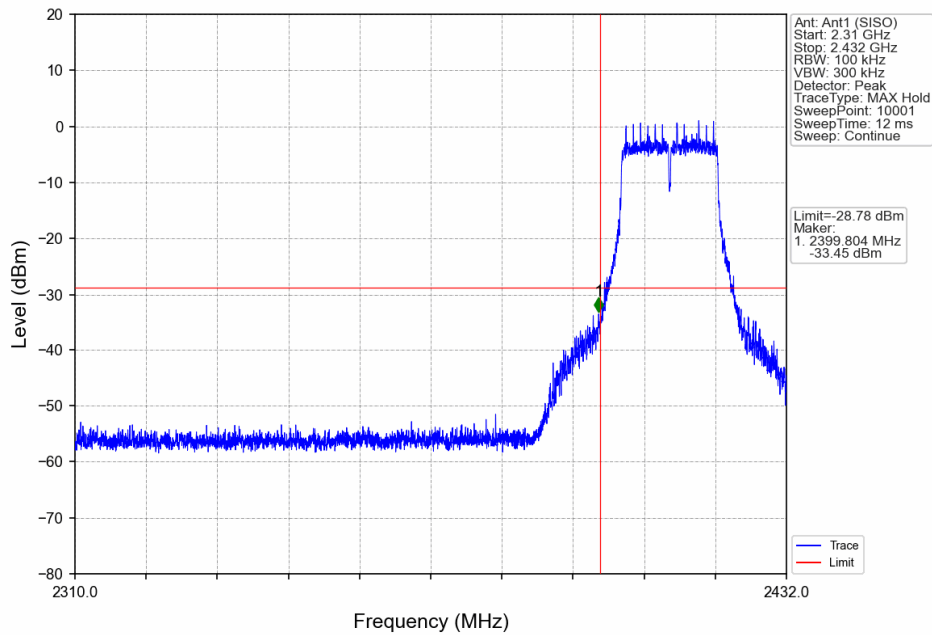
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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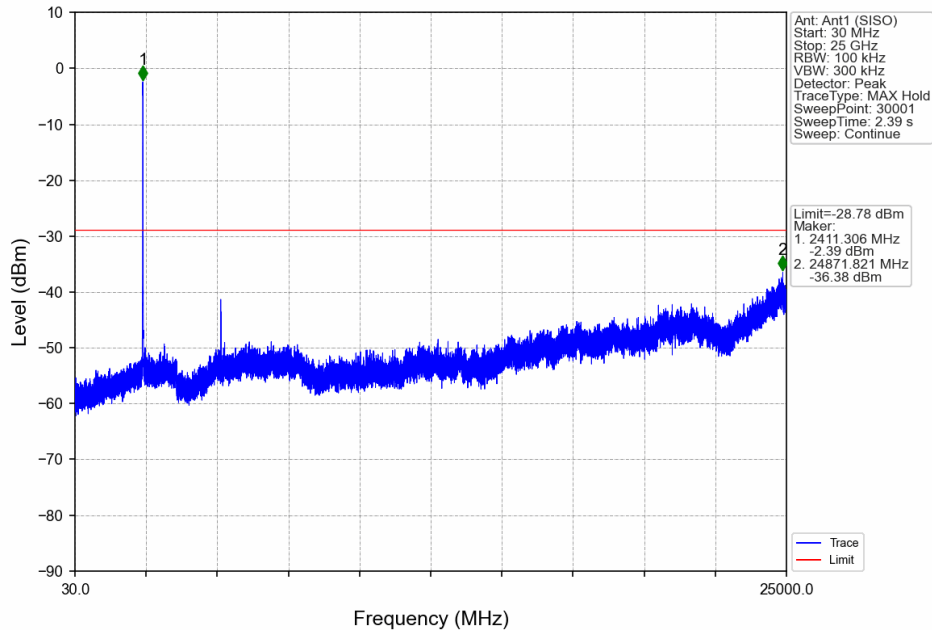
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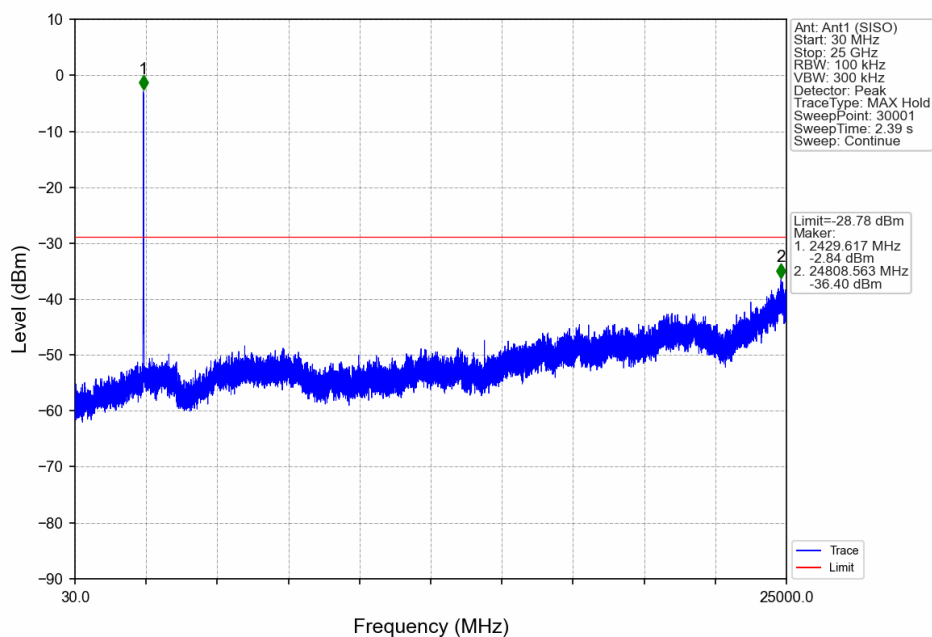
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



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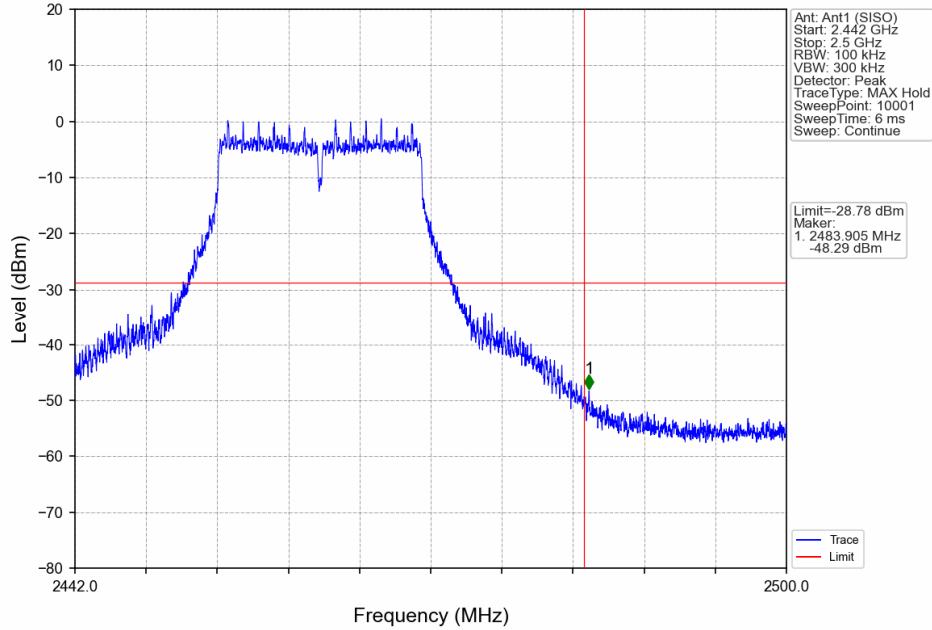
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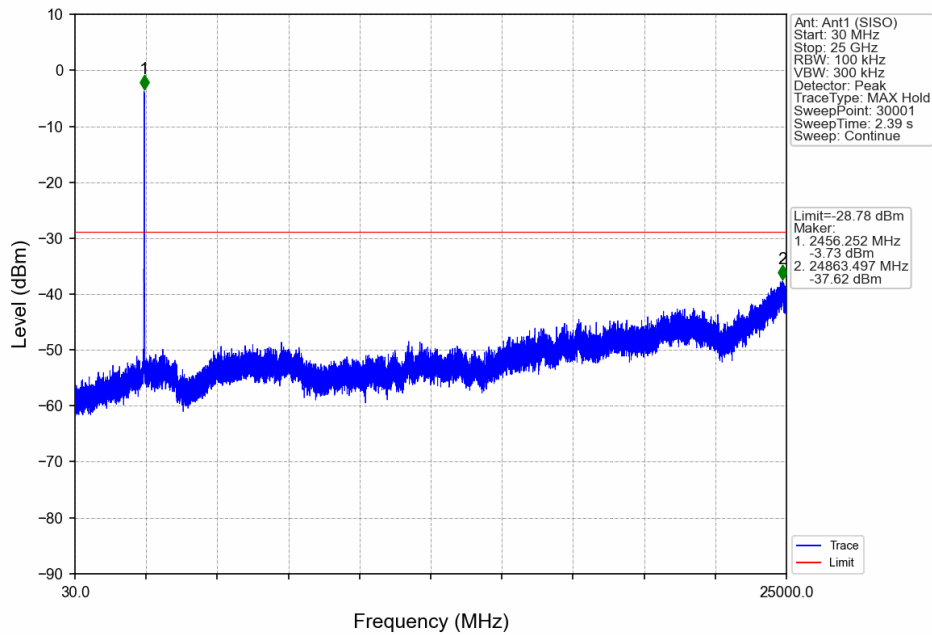
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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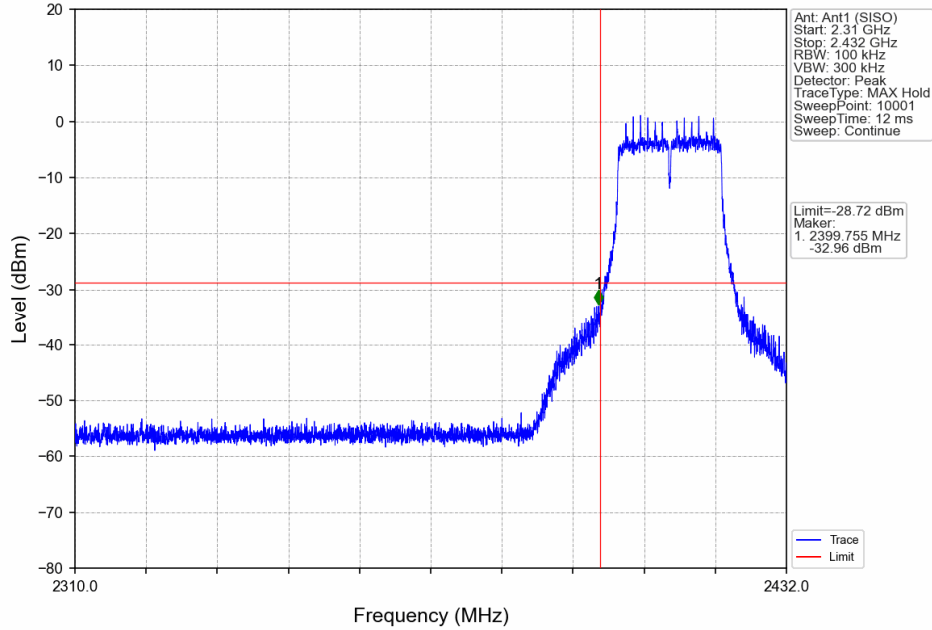
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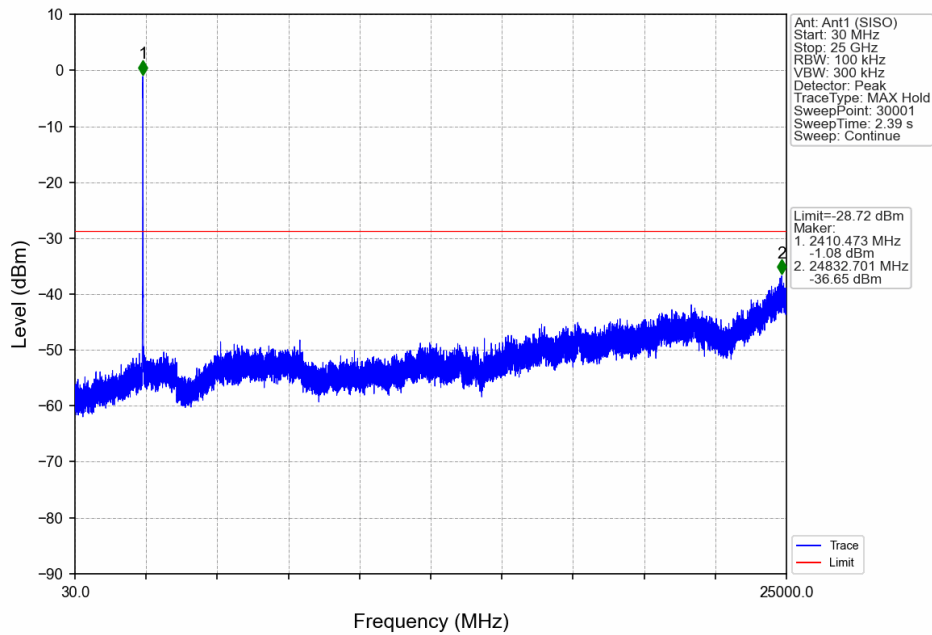
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



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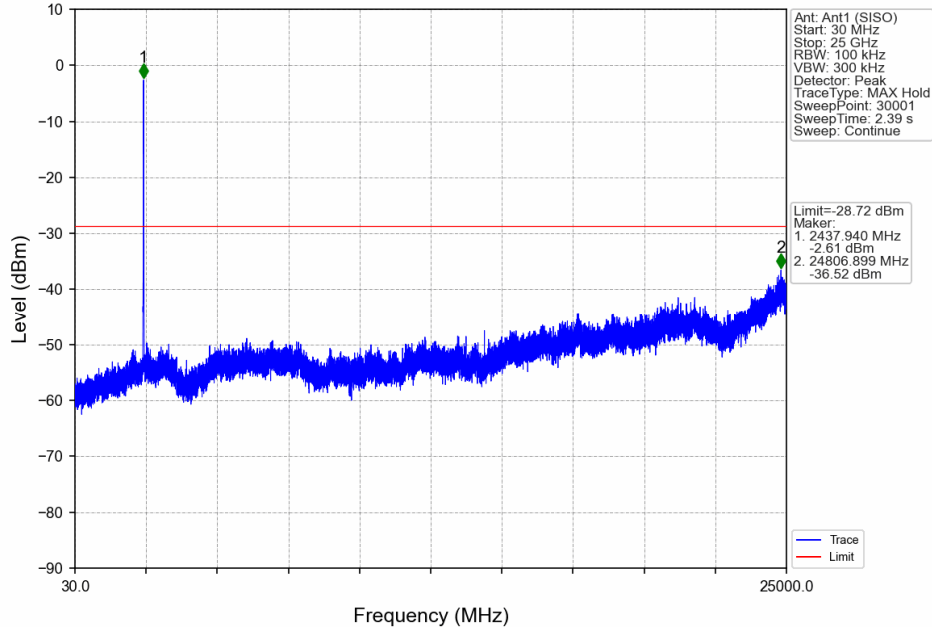
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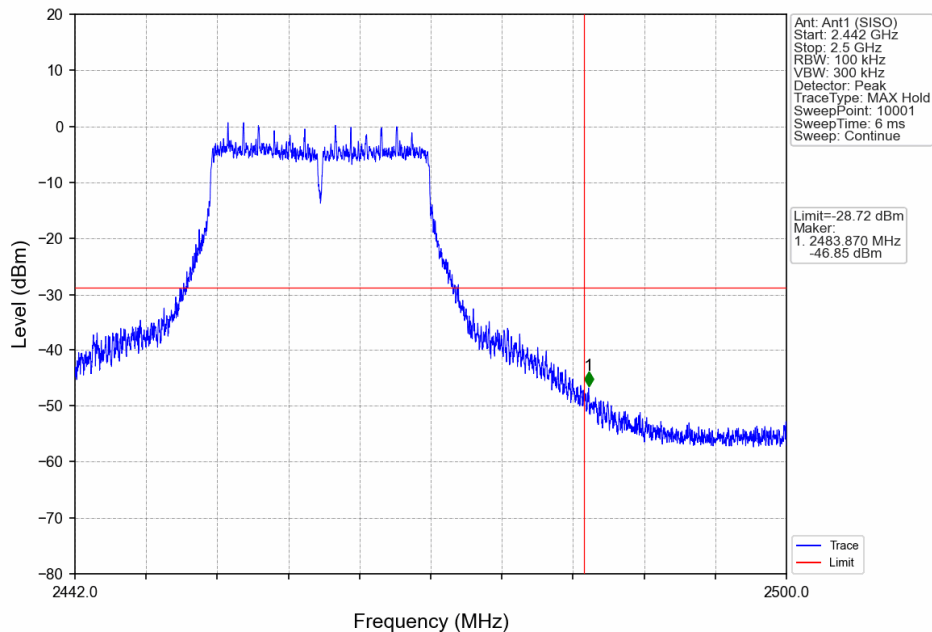
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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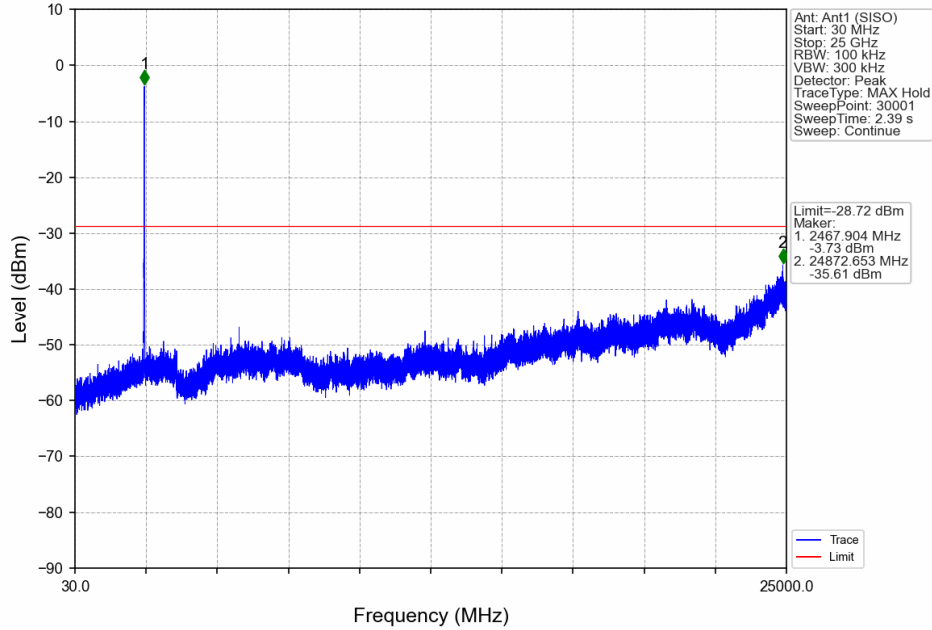
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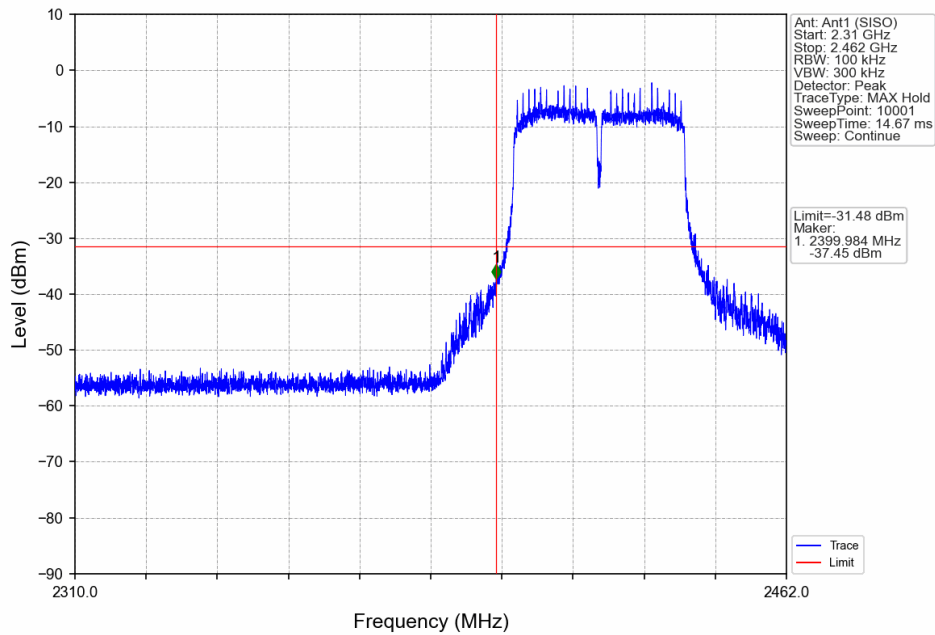
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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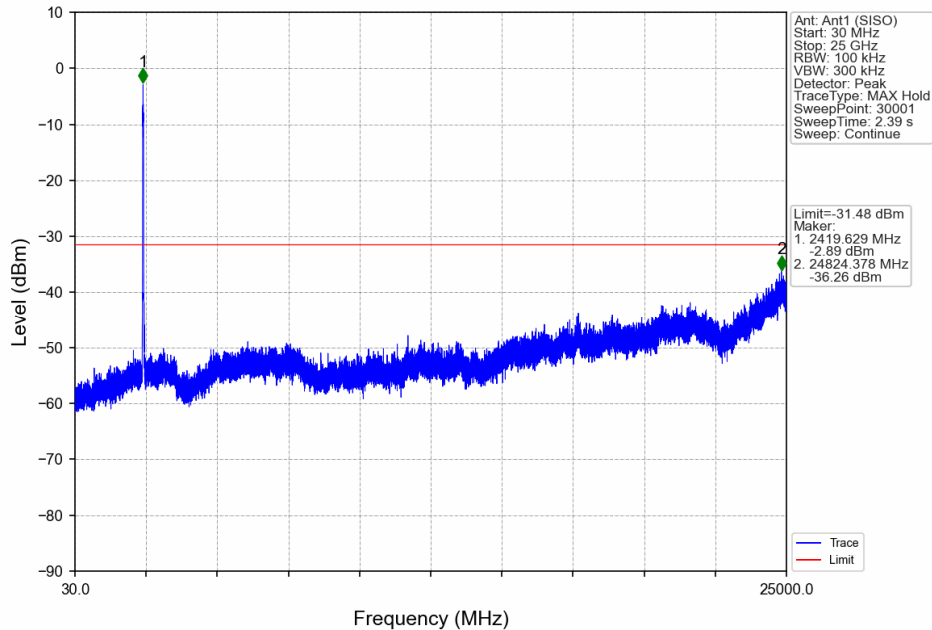
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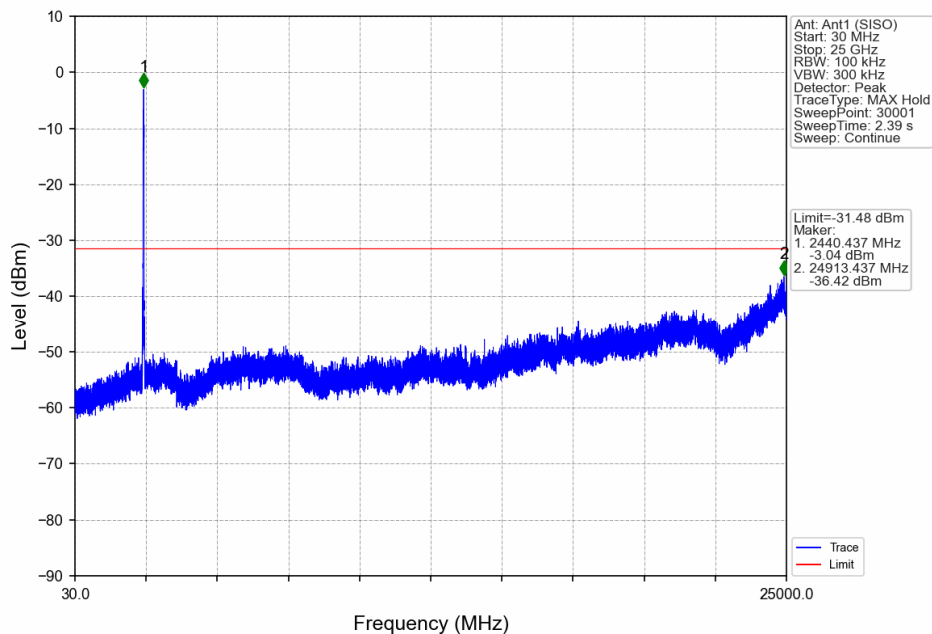
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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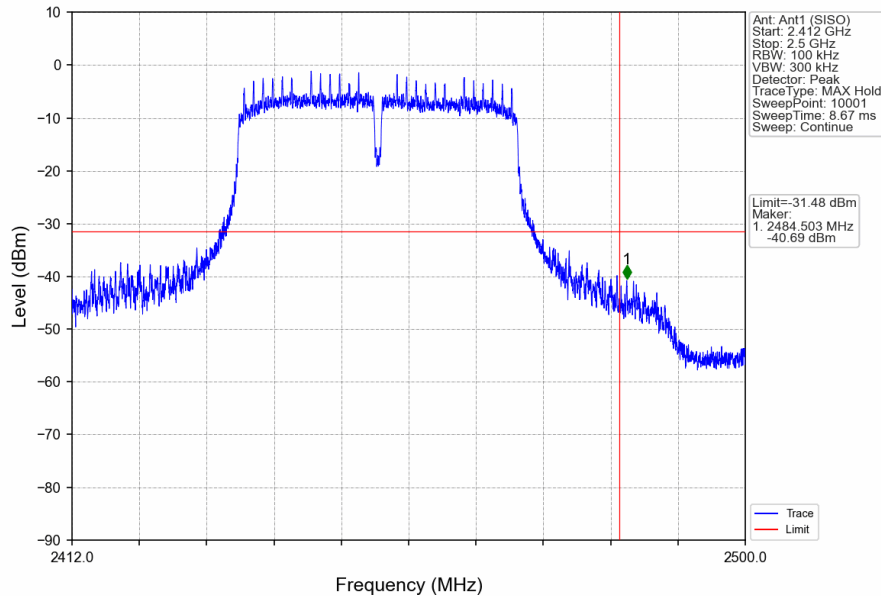
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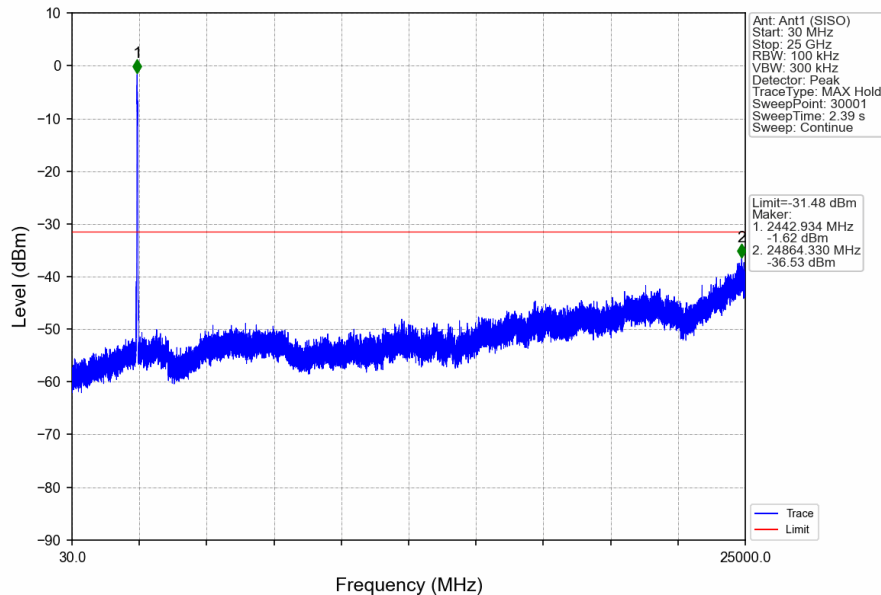
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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