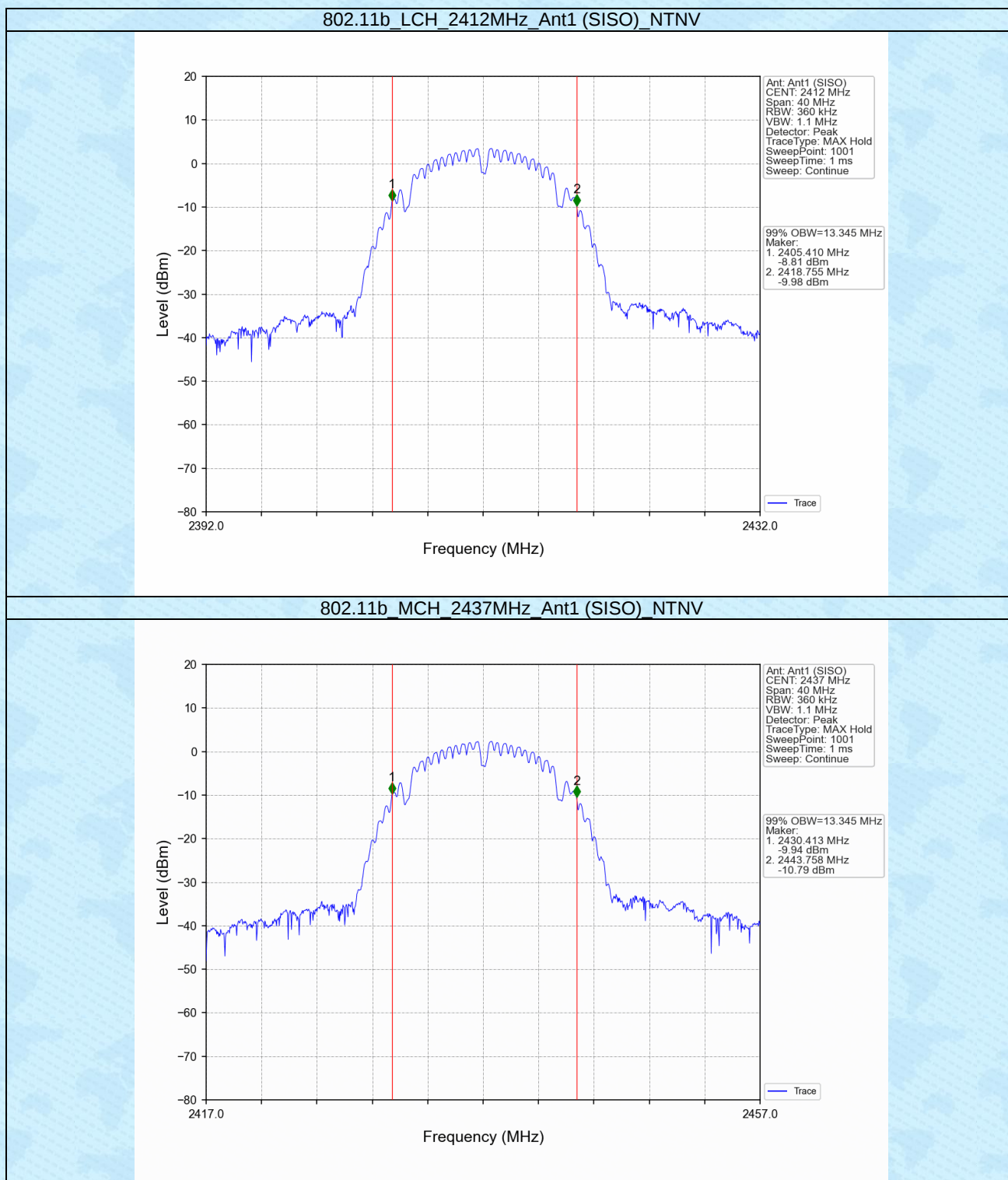


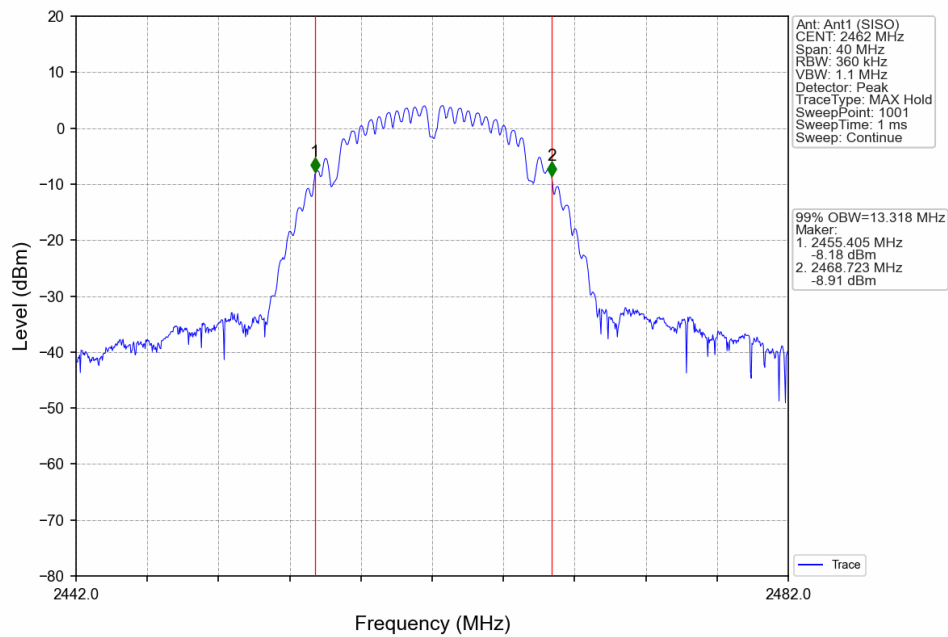
Appendix for 15.247**1. Bandwidth****1.1 OBW****1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.345	Pass
		2437	1	13.345	Pass
		2462	1	13.318	Pass
802.11g	SISO	2412	1	18.736	Pass
		2437	1	18.611	Pass
		2462	1	18.683	Pass
802.11n (HT20)	SISO	2412	1	19.375	Pass
		2437	1	19.212	Pass
		2462	1	19.293	Pass
802.11n (HT40)	SISO	2422	1	39.120	Pass
		2437	1	39.186	Pass
		2452	1	39.109	Pass

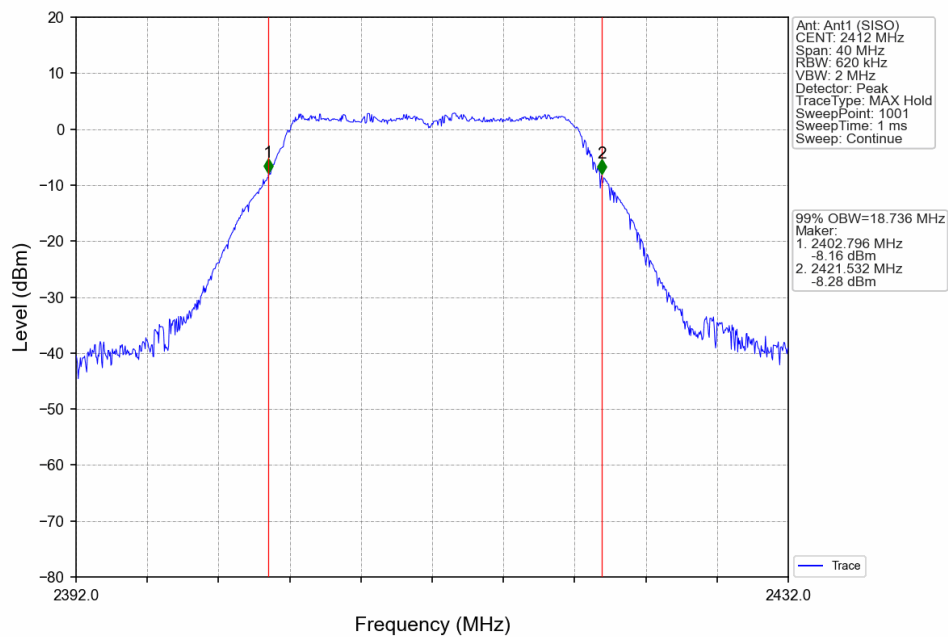
1.1.2 Test Graph



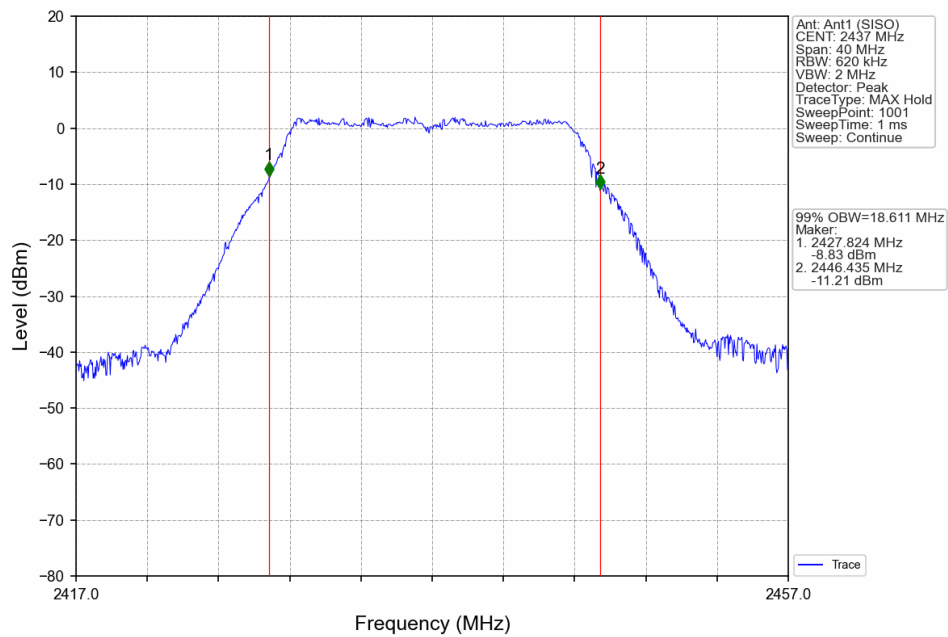
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



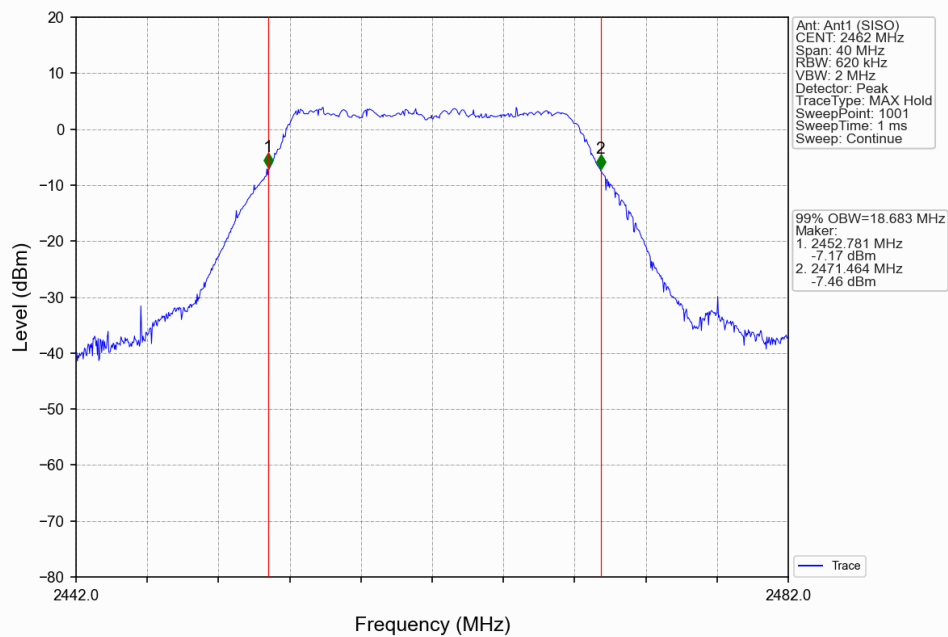
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



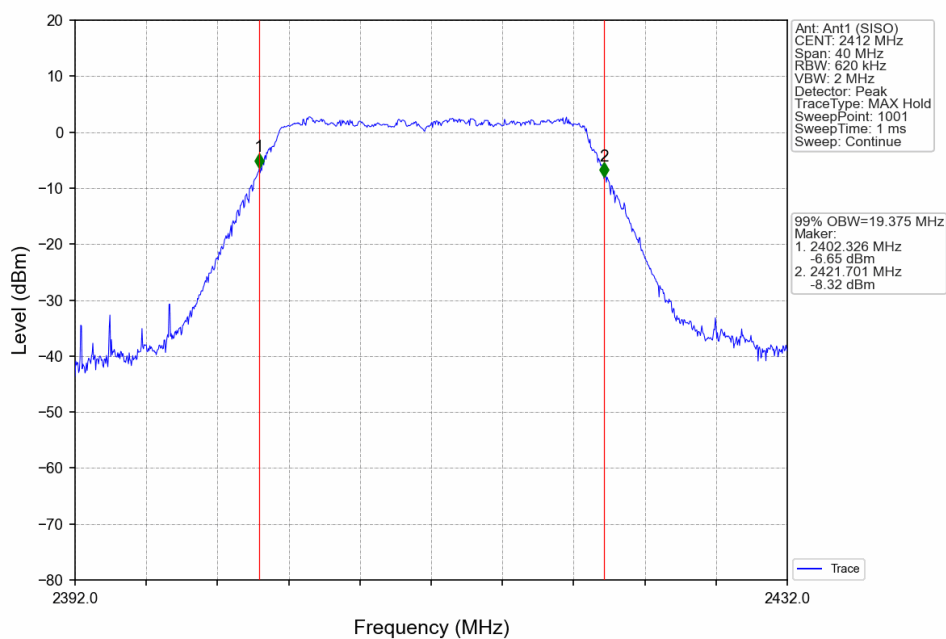
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



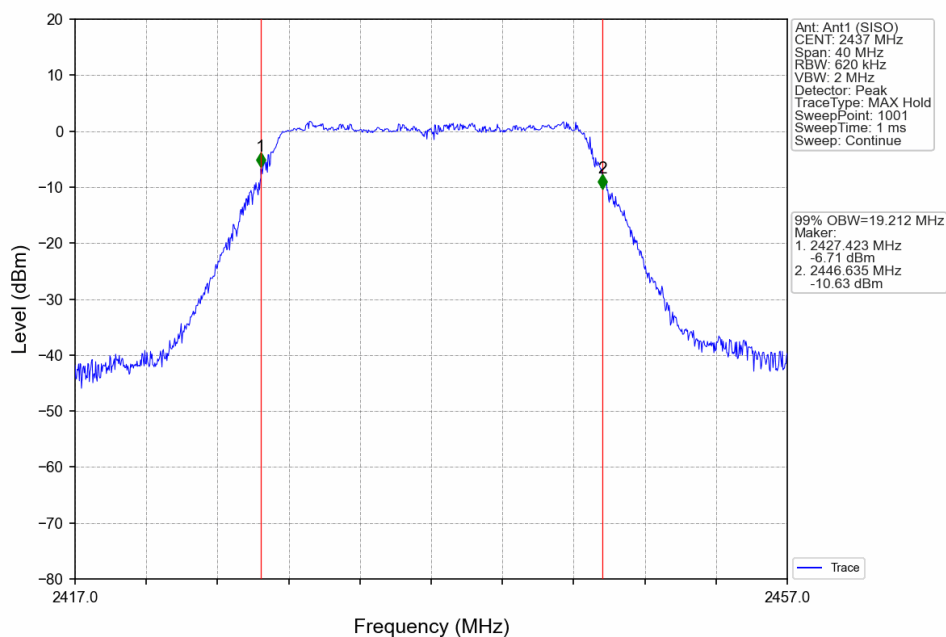
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



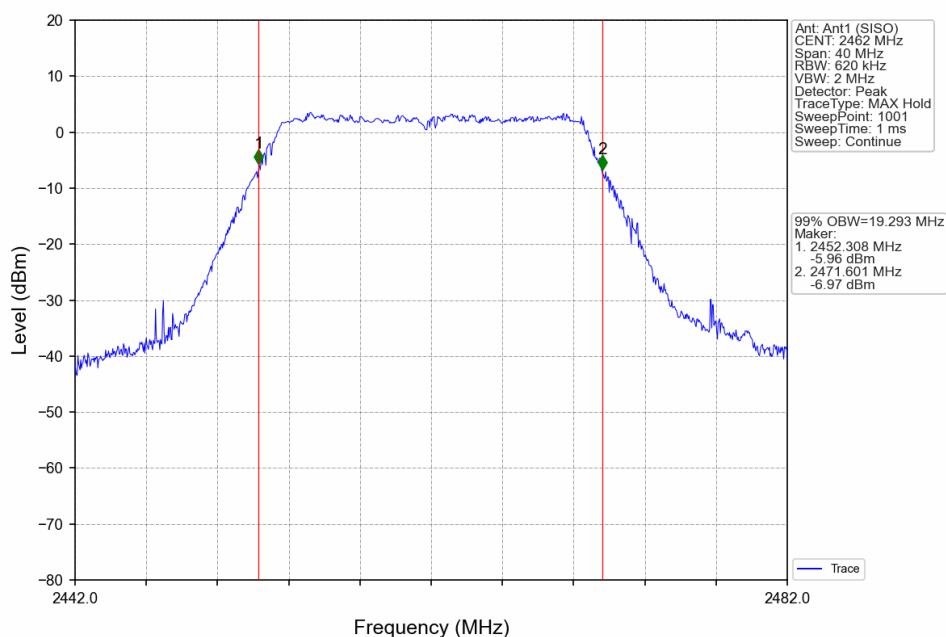
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



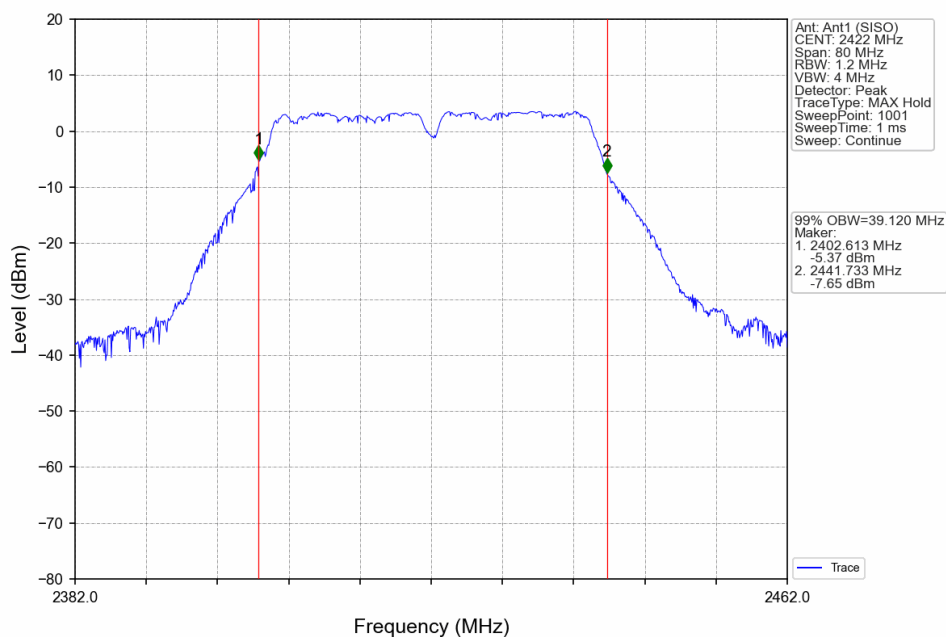
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



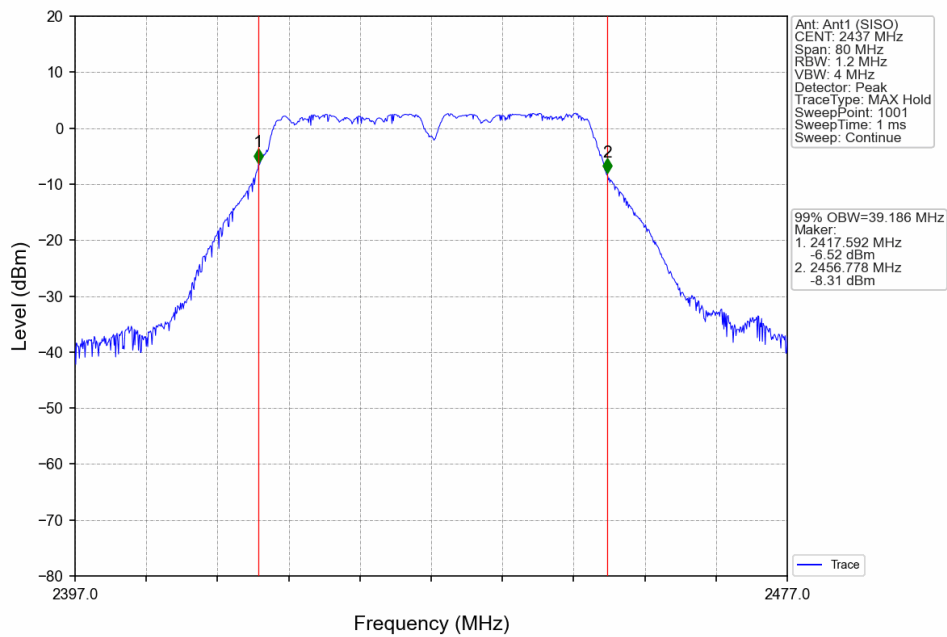
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



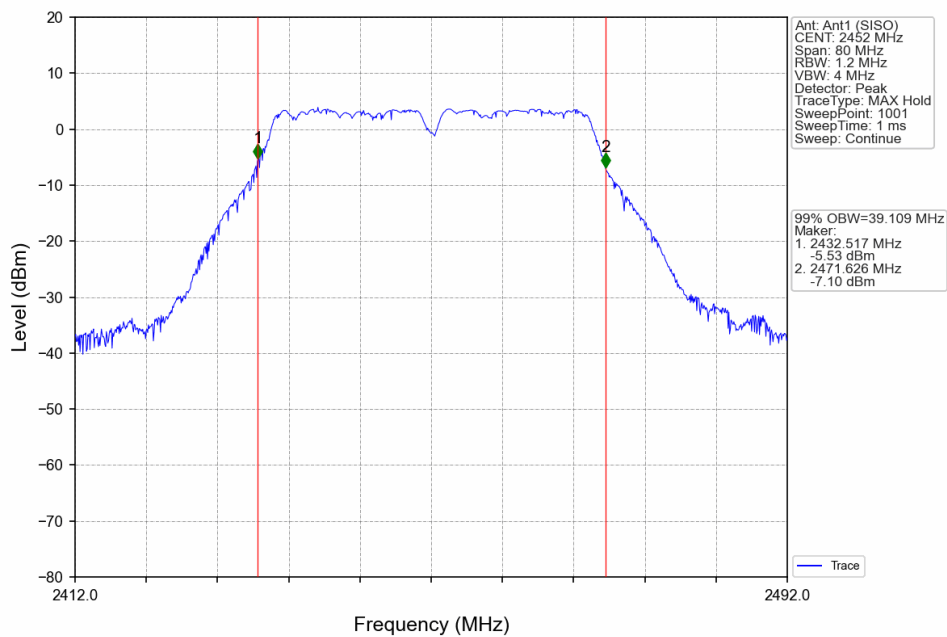
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

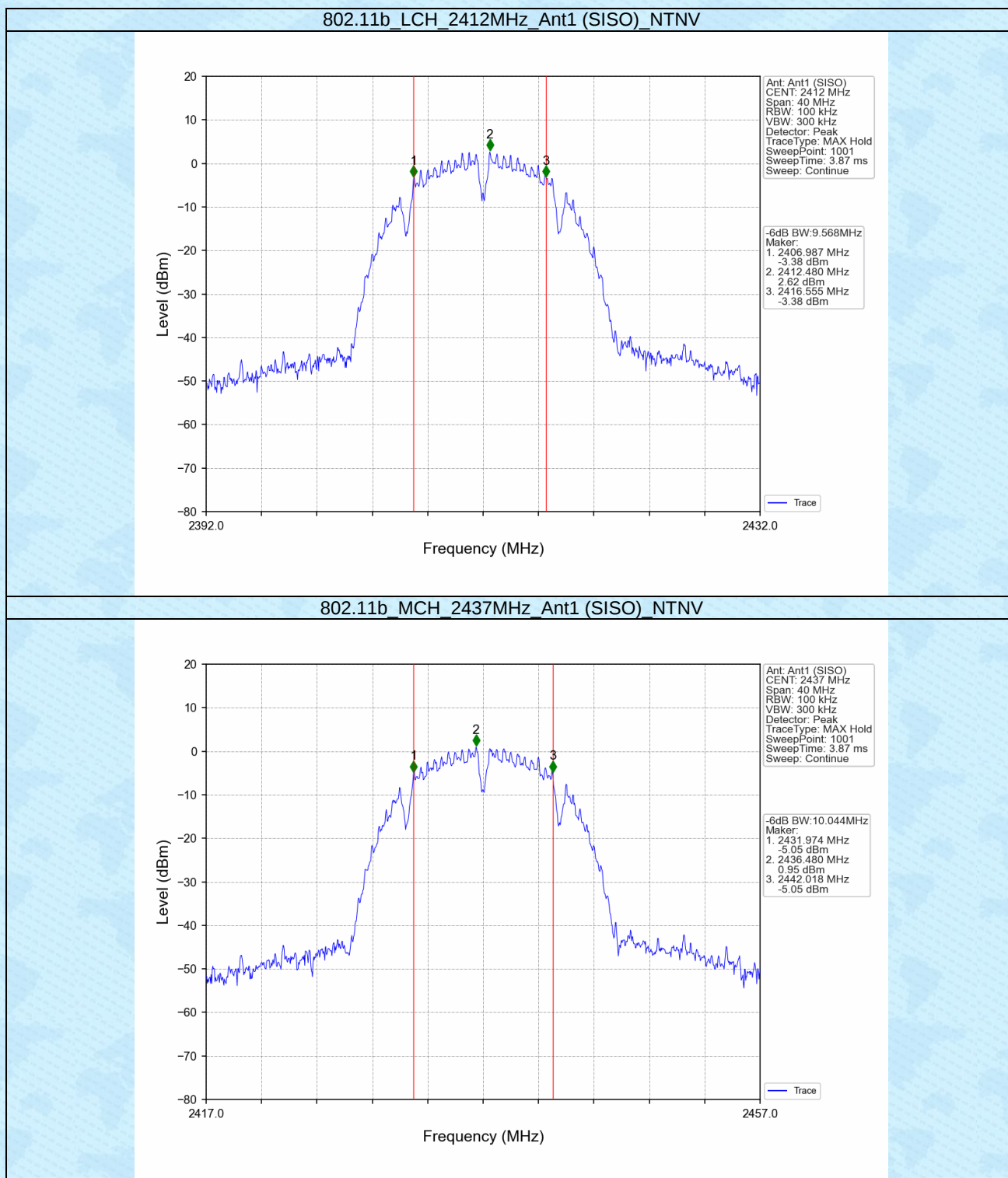


1.2 6dB BW

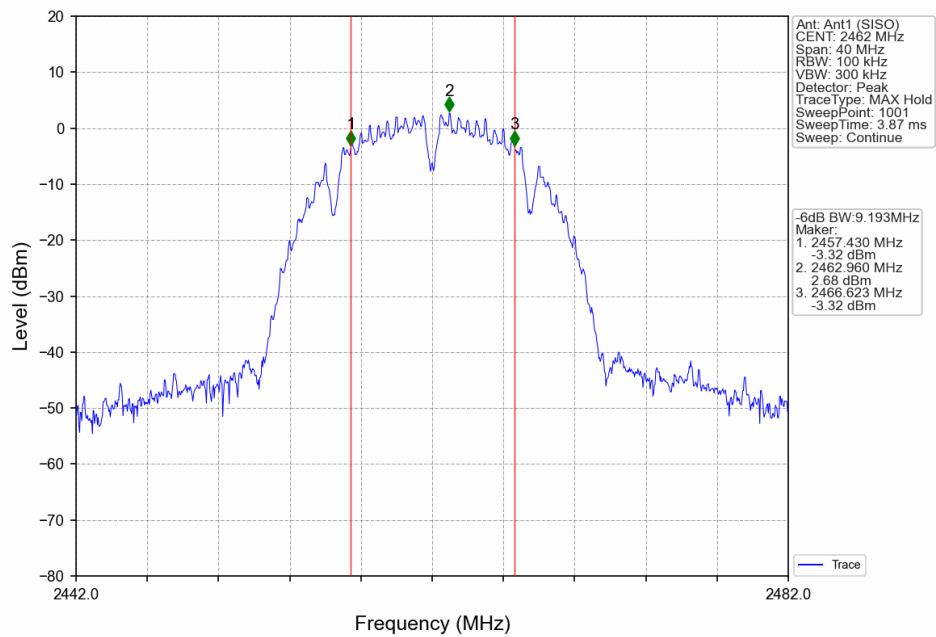
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.568	≥ 0.5	Pass
		2437	1	10.044	≥ 0.5	Pass
		2462	1	9.193	≥ 0.5	Pass
802.11g	SISO	2412	1	16.411	≥ 0.5	Pass
		2437	1	16.392	≥ 0.5	Pass
		2462	1	16.400	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.634	≥ 0.5	Pass
		2437	1	17.603	≥ 0.5	Pass
		2462	1	17.610	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.351	≥ 0.5	Pass
		2437	1	36.353	≥ 0.5	Pass
		2452	1	36.373	≥ 0.5	Pass

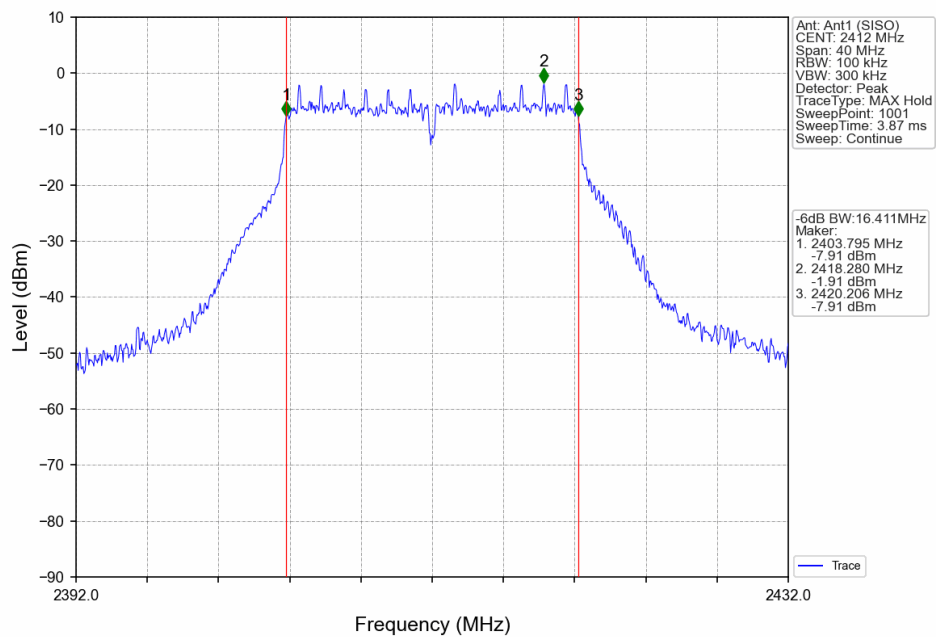
1.2.2 Test Graph



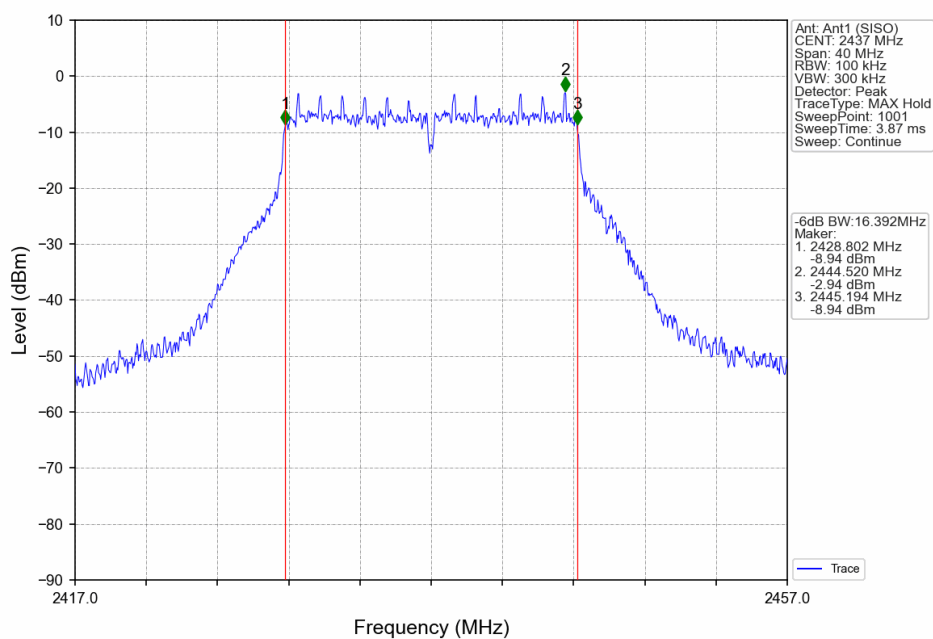
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



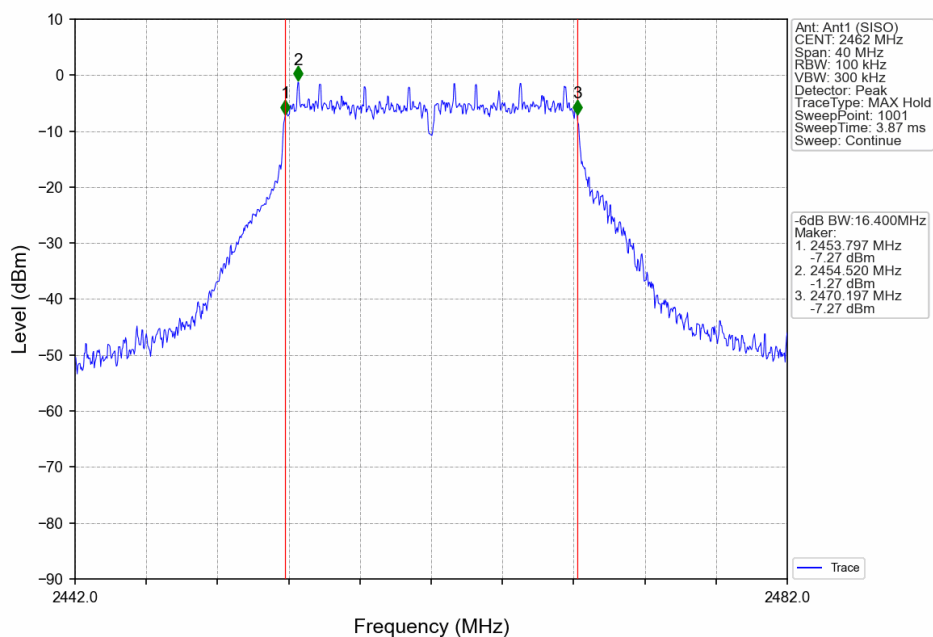
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



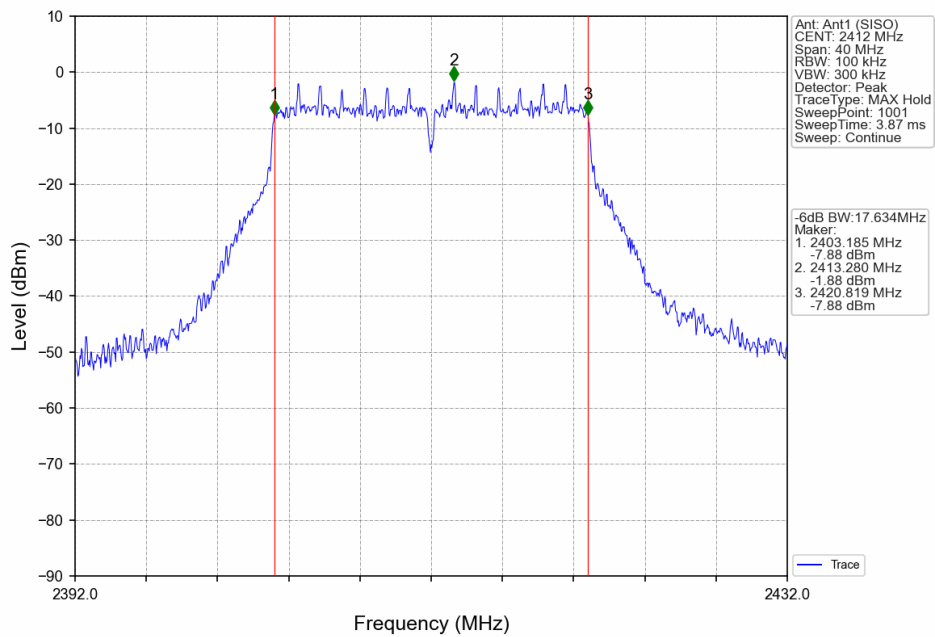
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



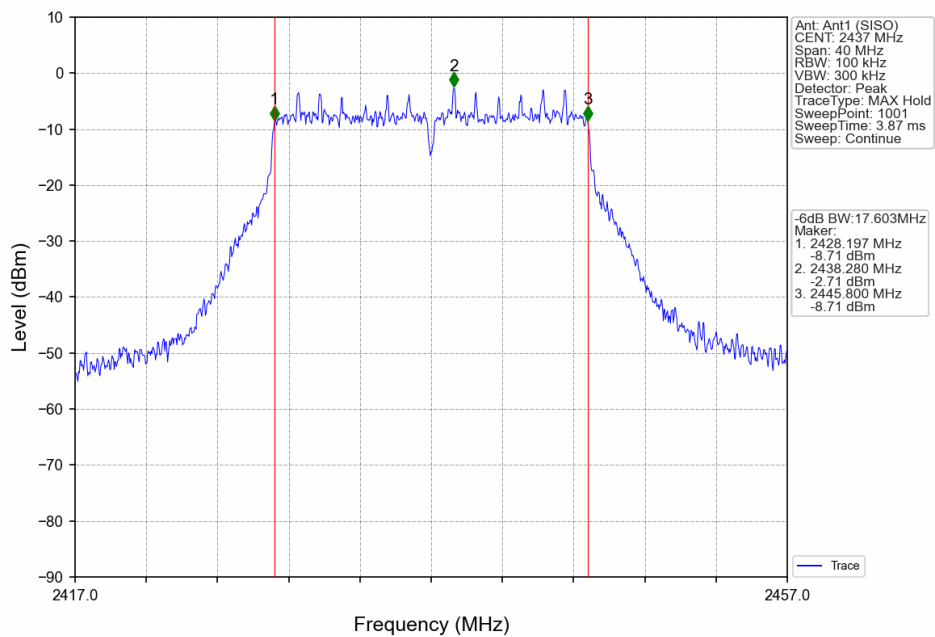
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



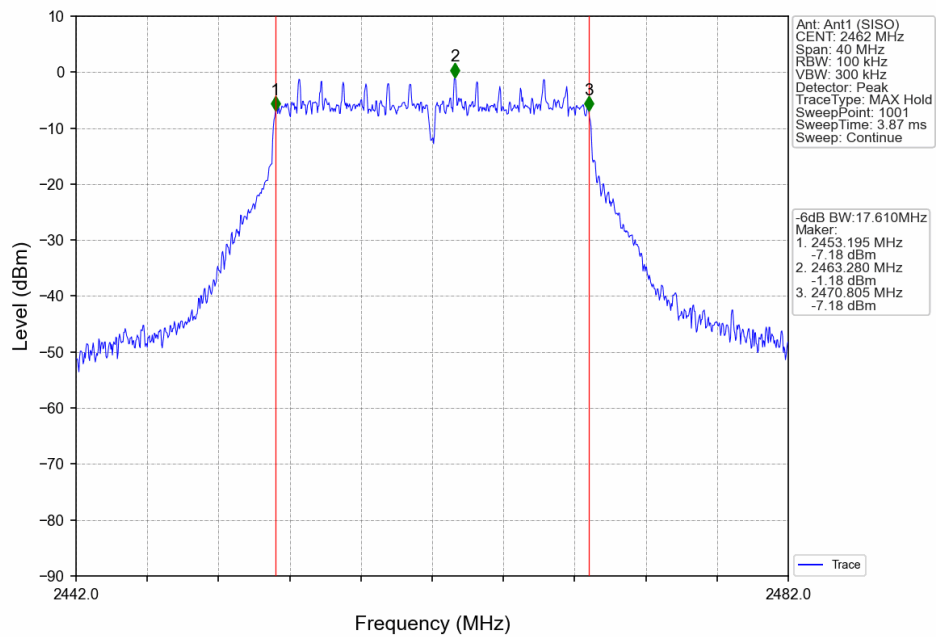
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



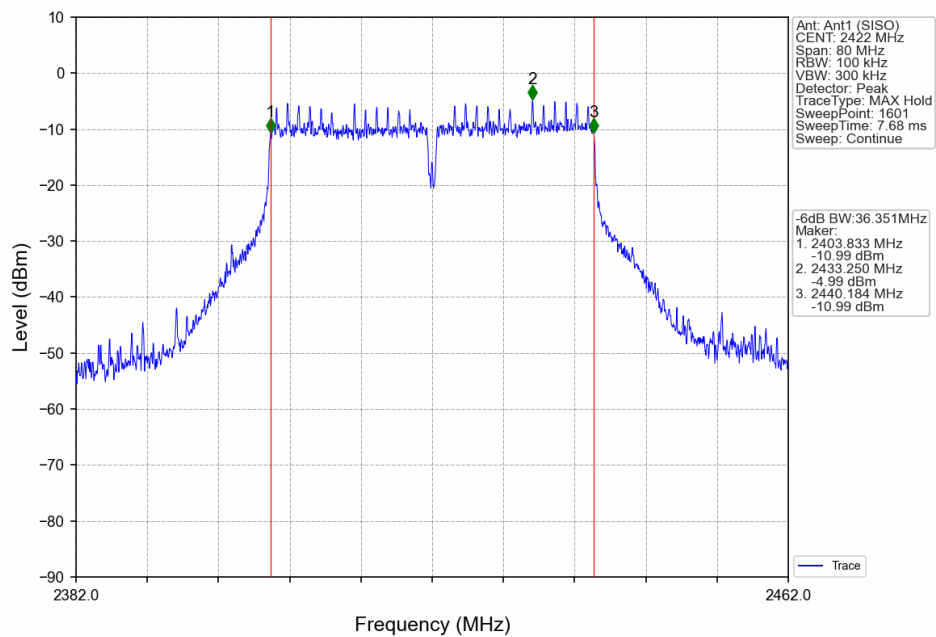
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



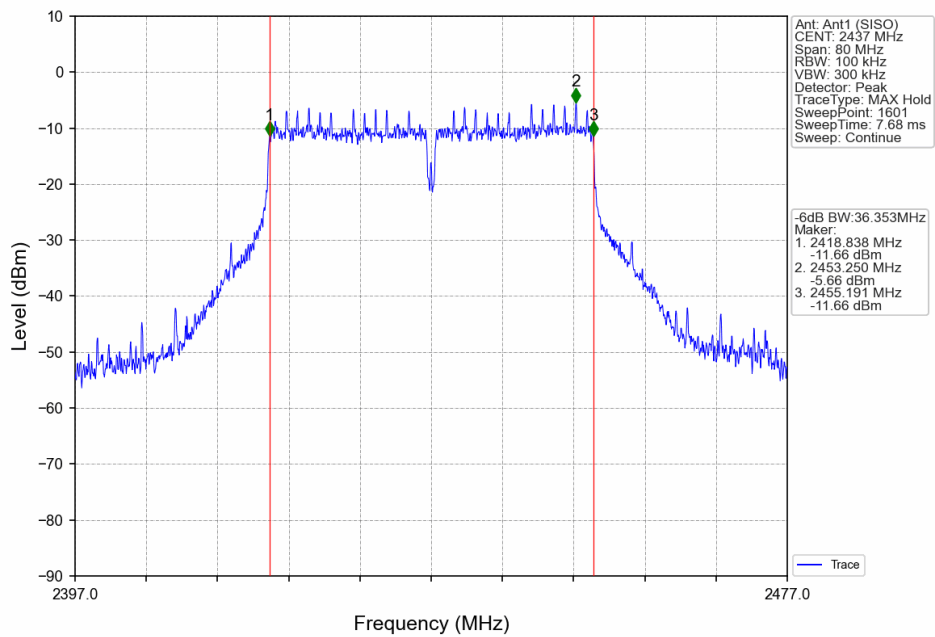
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



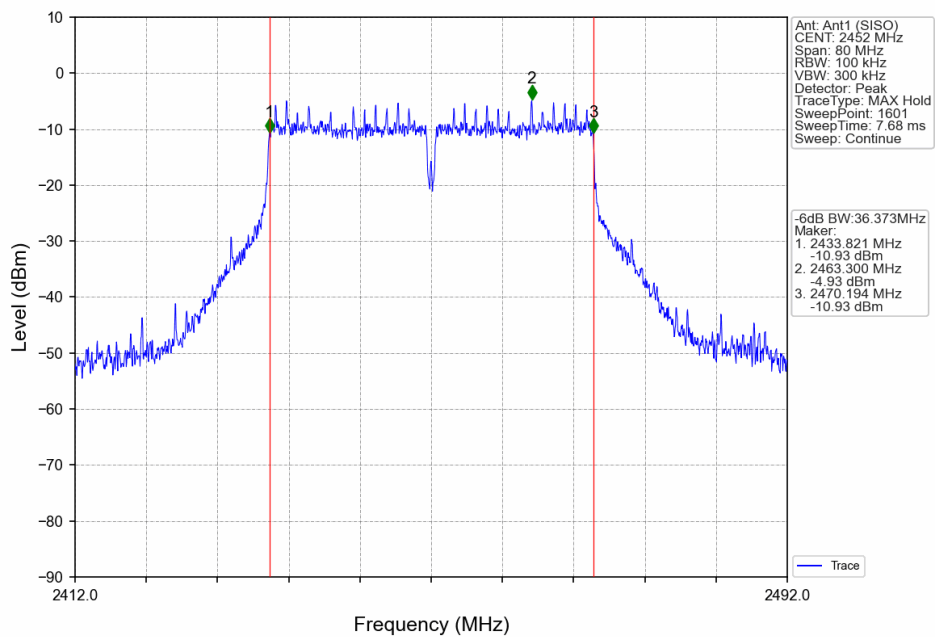
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



2. Maximum Conducted Output Power

2.1 Test Result

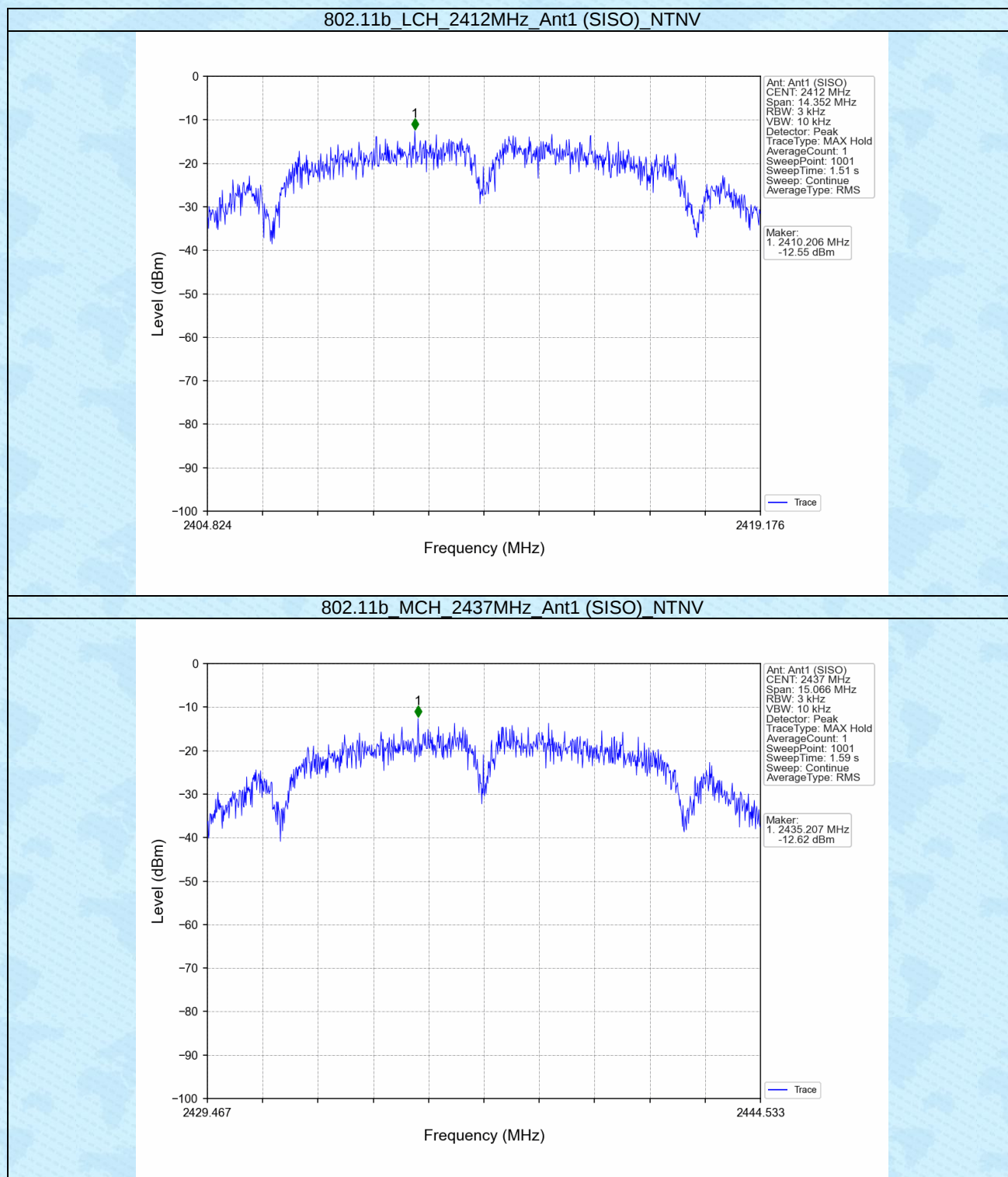
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	14.19	<=30	Pass
		2437	13.18	<=30	Pass
		2462	14.64	<=30	Pass
802.11g	SISO	2412	16.43	<=30	Pass
		2437	15.58	<=30	Pass
		2462	17.27	<=30	Pass
802.11n (HT20)	SISO	2412	16.73	<=30	Pass
		2437	15.62	<=30	Pass
		2462	17.24	<=30	Pass
802.11n (HT40)	SISO	2422	16.27	<=30	Pass
		2437	15.50	<=30	Pass
		2452	16.37	<=30	Pass

3. Maximum Power Spectral Density

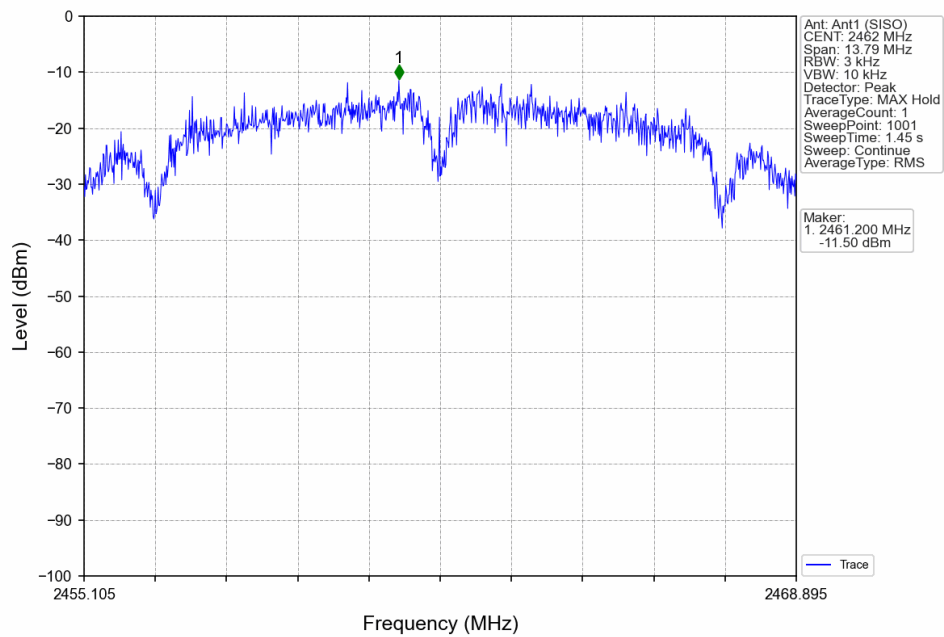
3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-12.55	<=8	Pass
		2437	-12.62	<=8	Pass
		2462	-11.50	<=8	Pass
802.11g	SISO	2412	-16.77	<=8	Pass
		2437	-16.71	<=8	Pass
		2462	-15.06	<=8	Pass
802.11n (HT20)	SISO	2412	-17.29	<=8	Pass
		2437	-17.30	<=8	Pass
		2462	-15.54	<=8	Pass
802.11n (HT40)	SISO	2422	-20.06	<=8	Pass
		2437	-21.02	<=8	Pass
		2452	-20.04	<=8	Pass

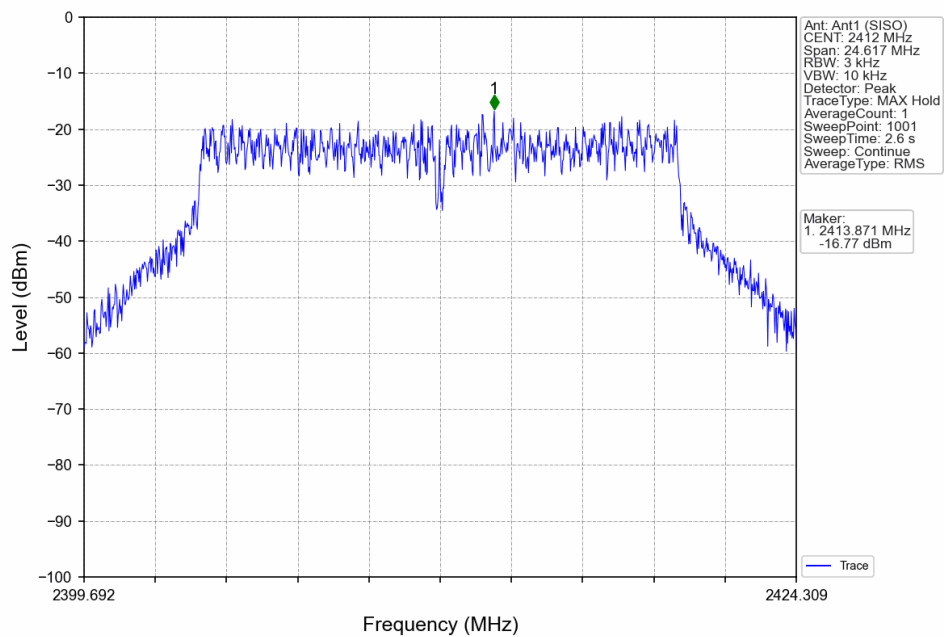
3.2 Test Graph



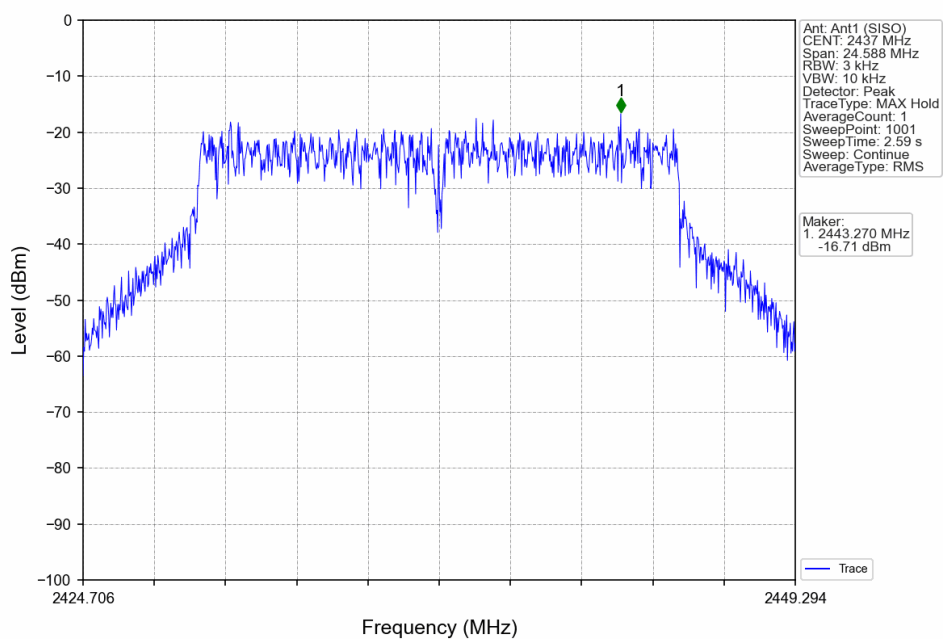
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



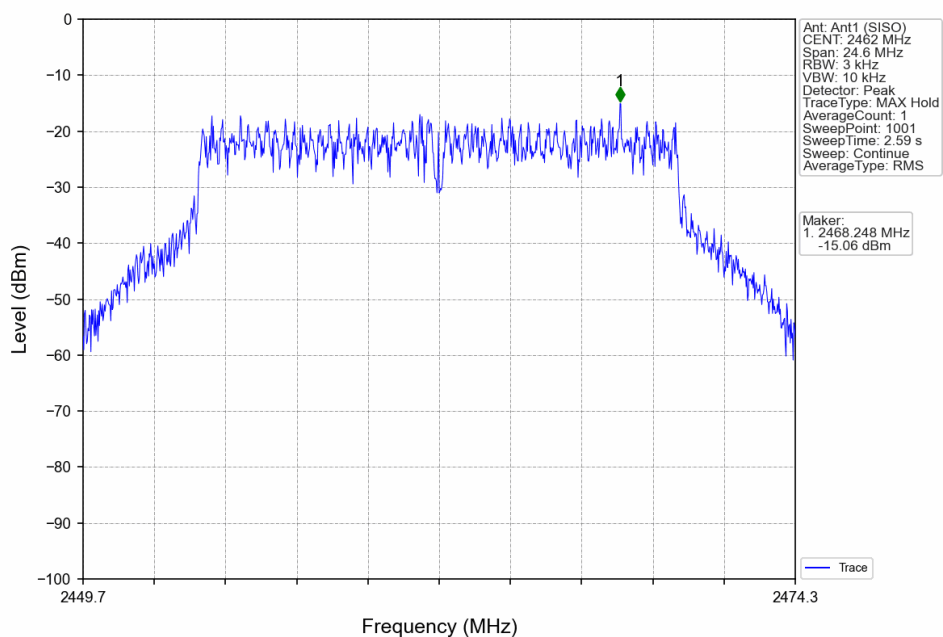
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



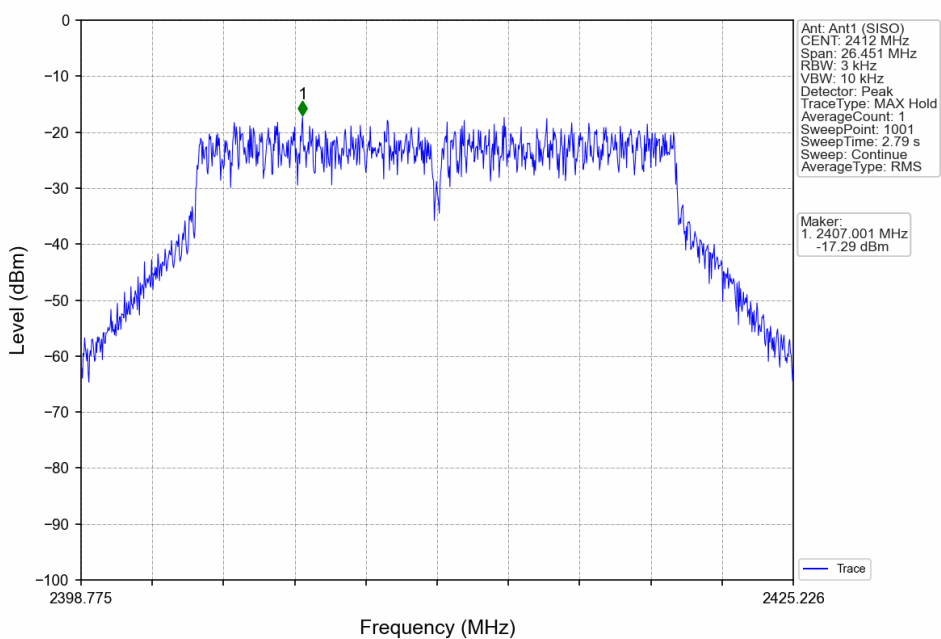
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



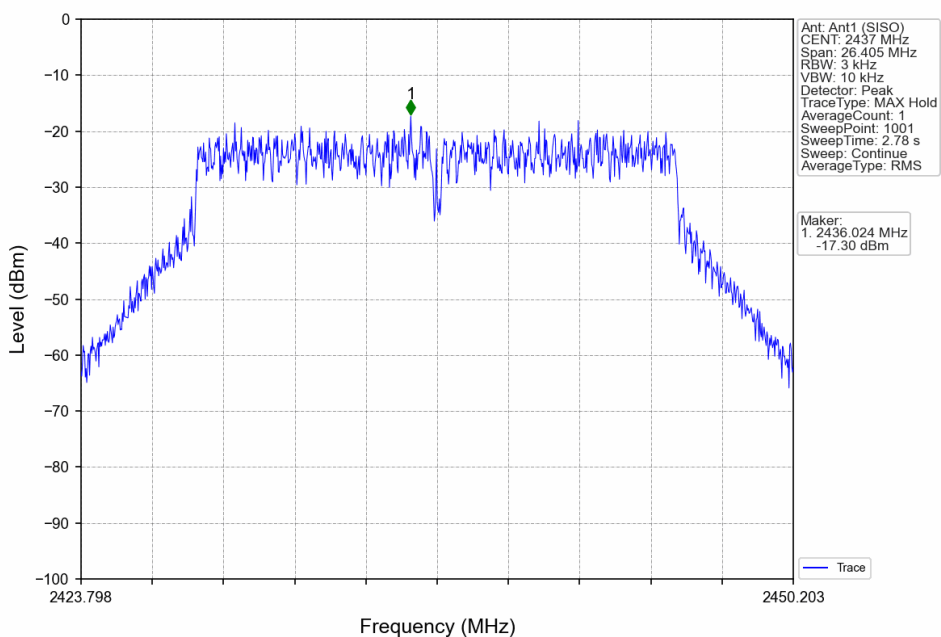
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



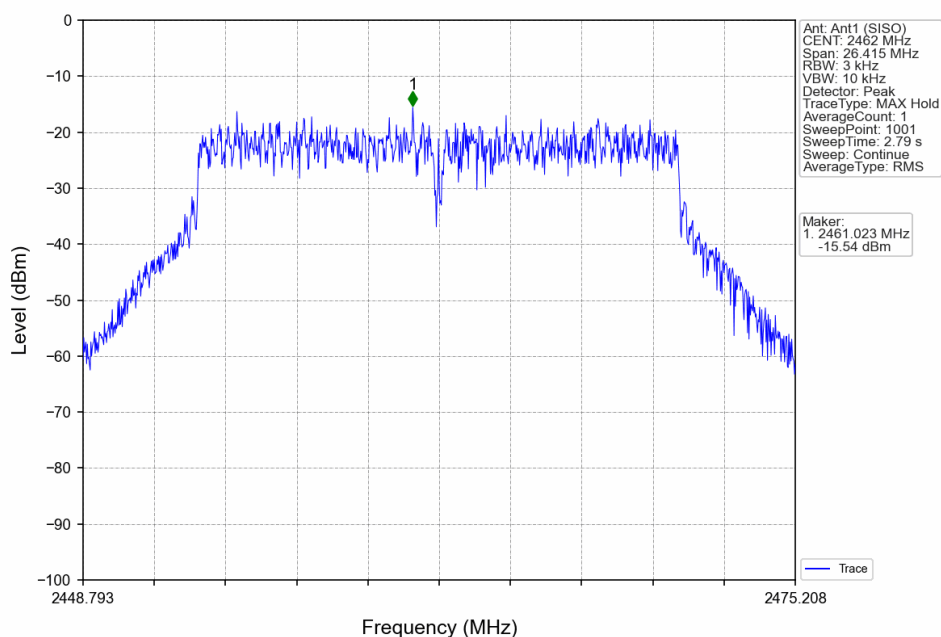
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



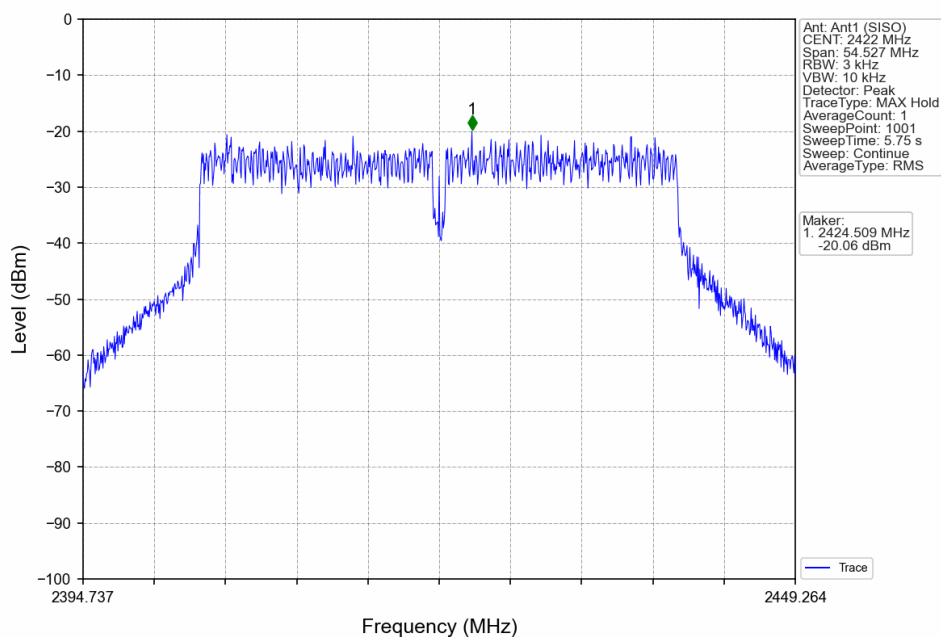
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



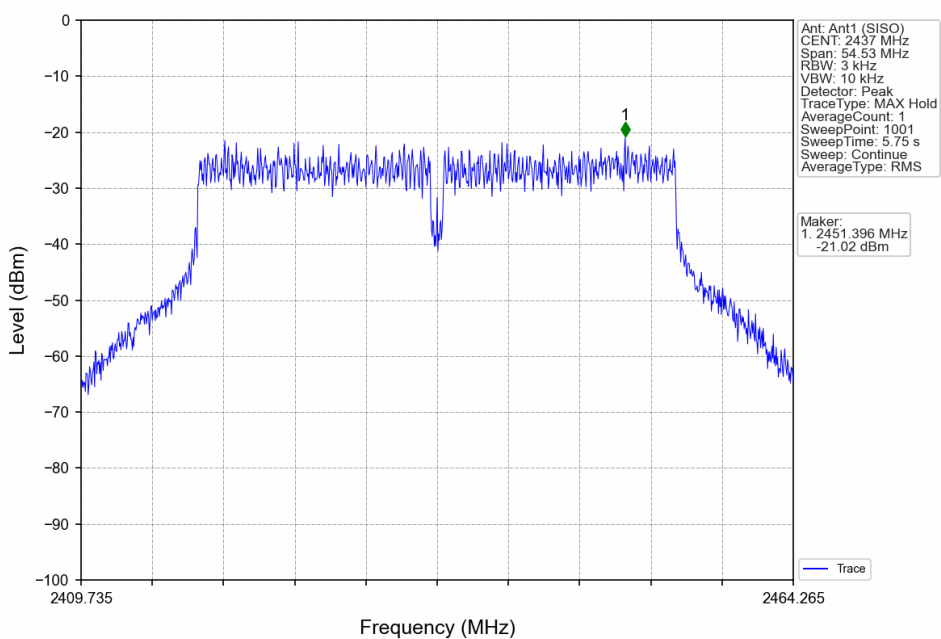
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



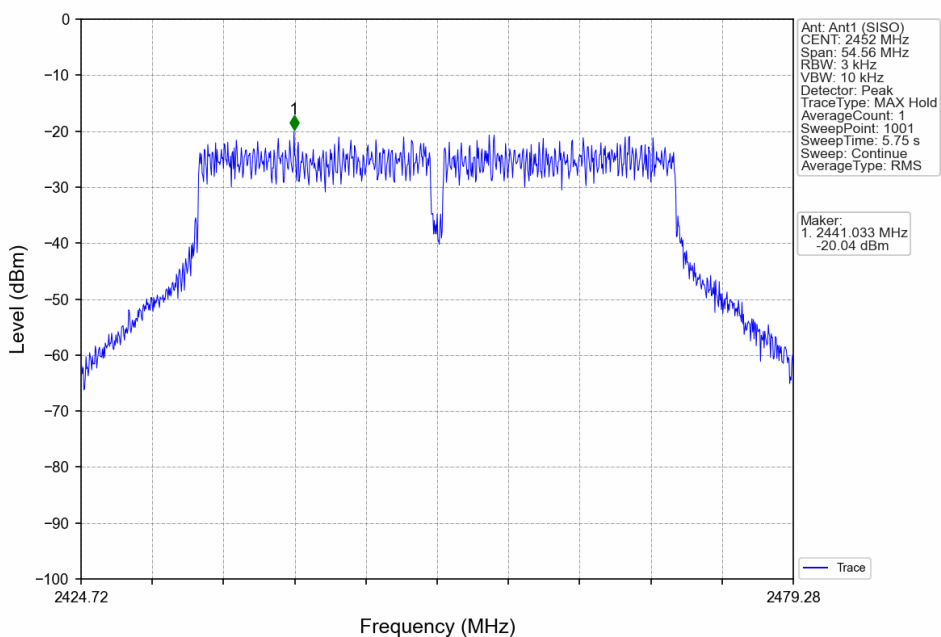
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

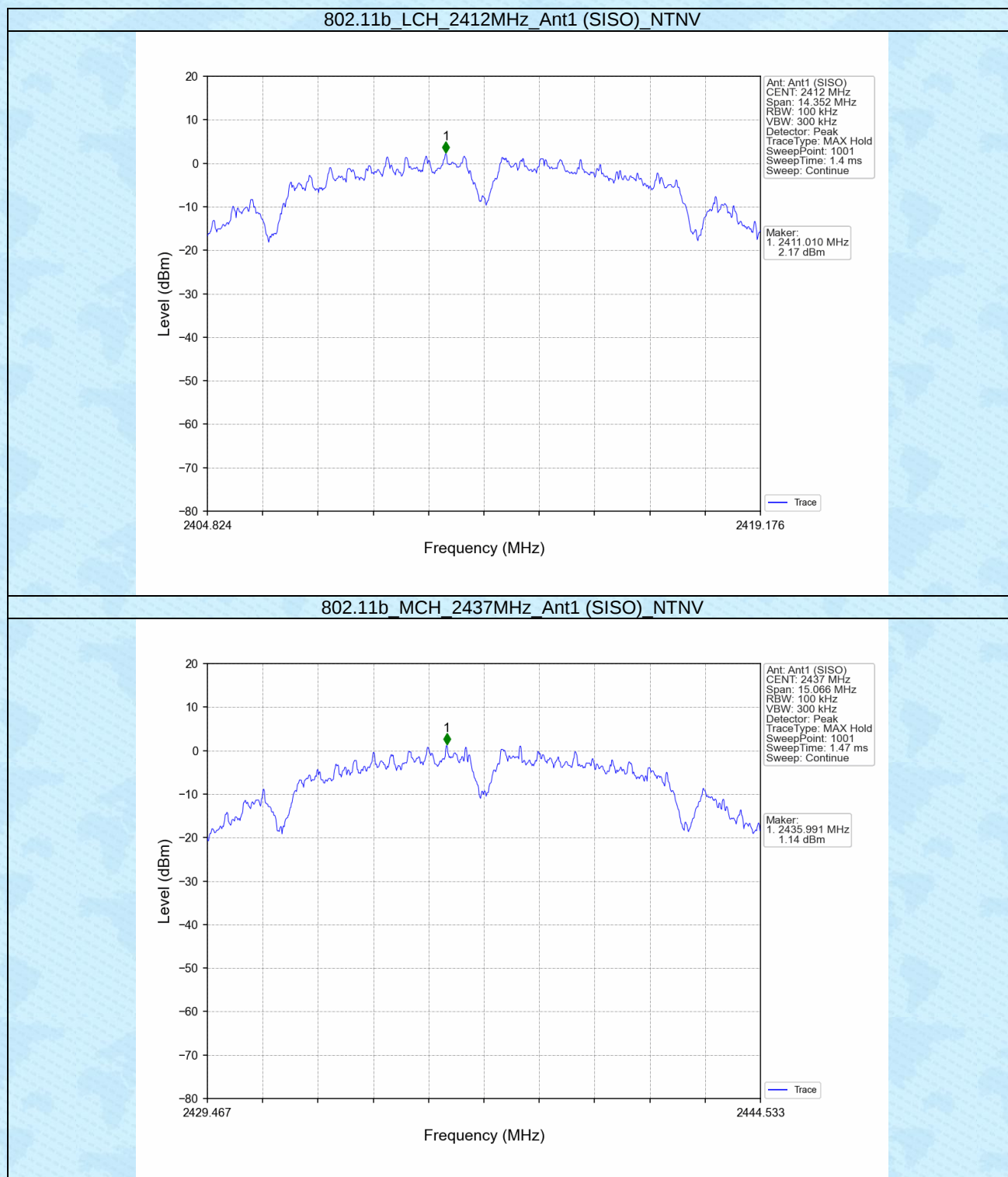
4.1 Ref

4.1.1 Test Result

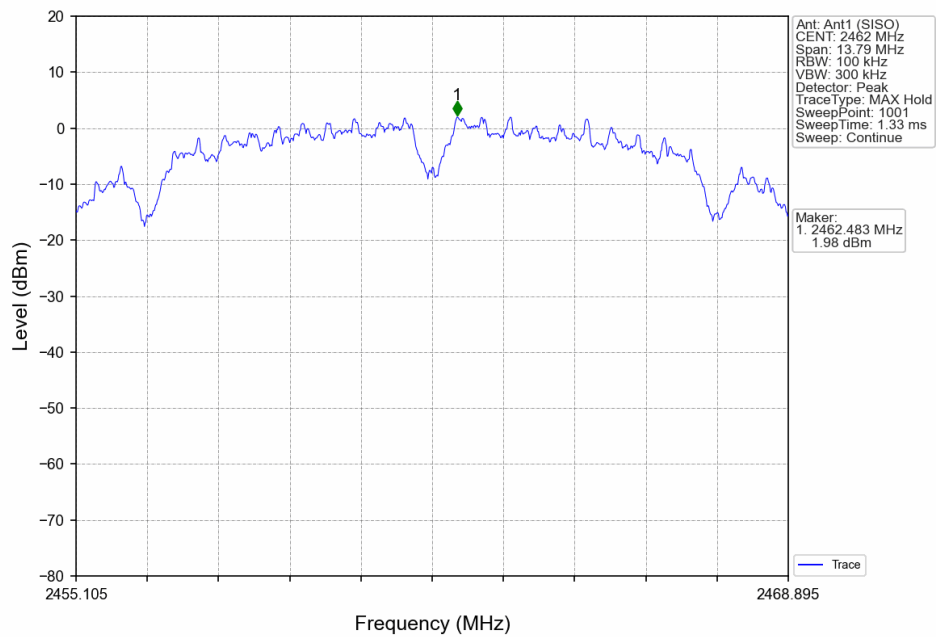
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	2.17
		2437	1	1.14
		2462	1	1.98
802.11g	SISO	2412	1	-1.86
		2437	1	-3.14
		2462	1	-1.33
802.11n (HT20)	SISO	2412	1	-1.97
		2437	1	-3.06
		2462	1	-0.83
802.11n (HT40)	SISO	2422	1	-4.79
		2437	1	-5.64
		2452	1	-4.78

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.

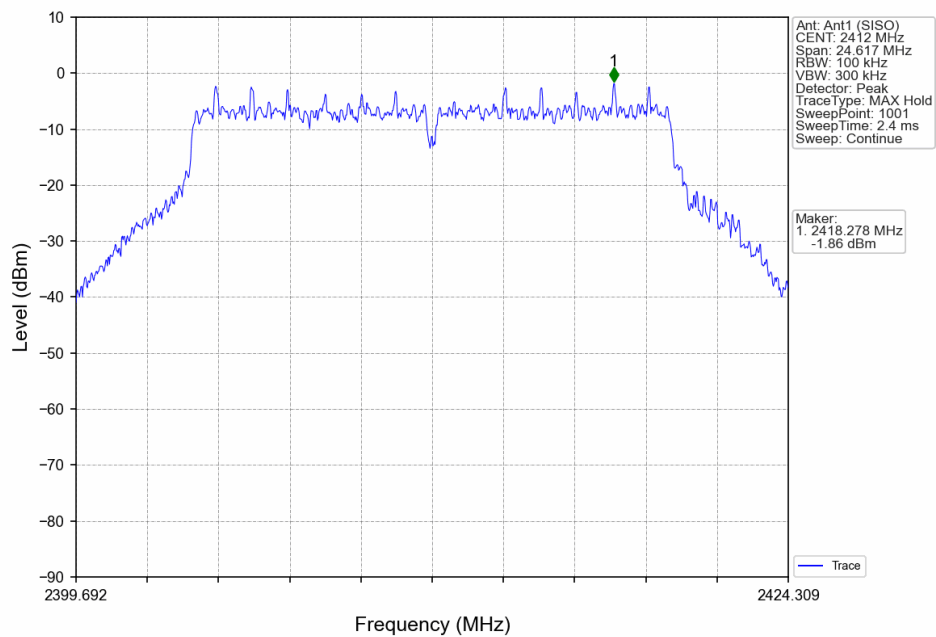
4.1.2 Test Graph



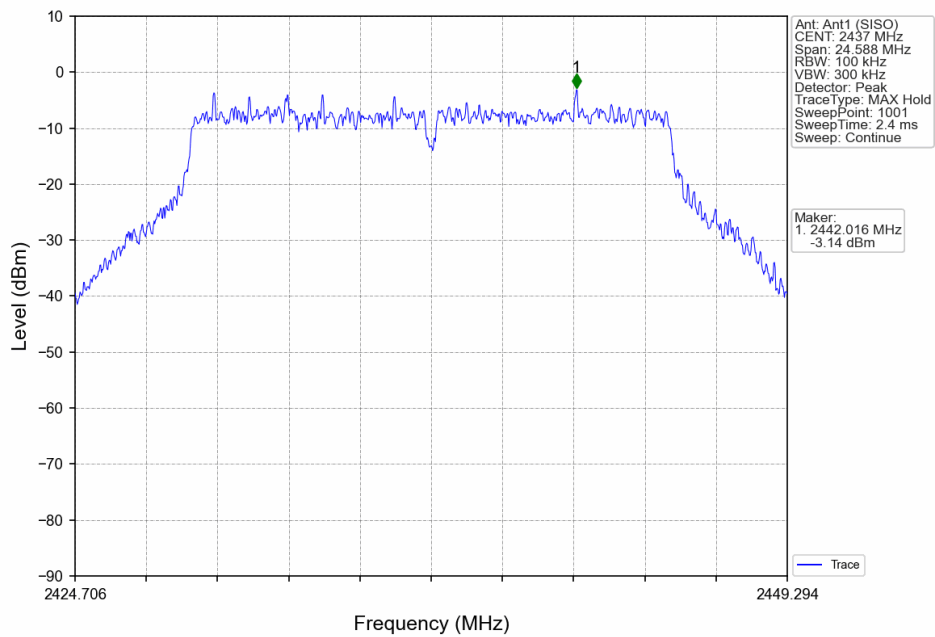
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



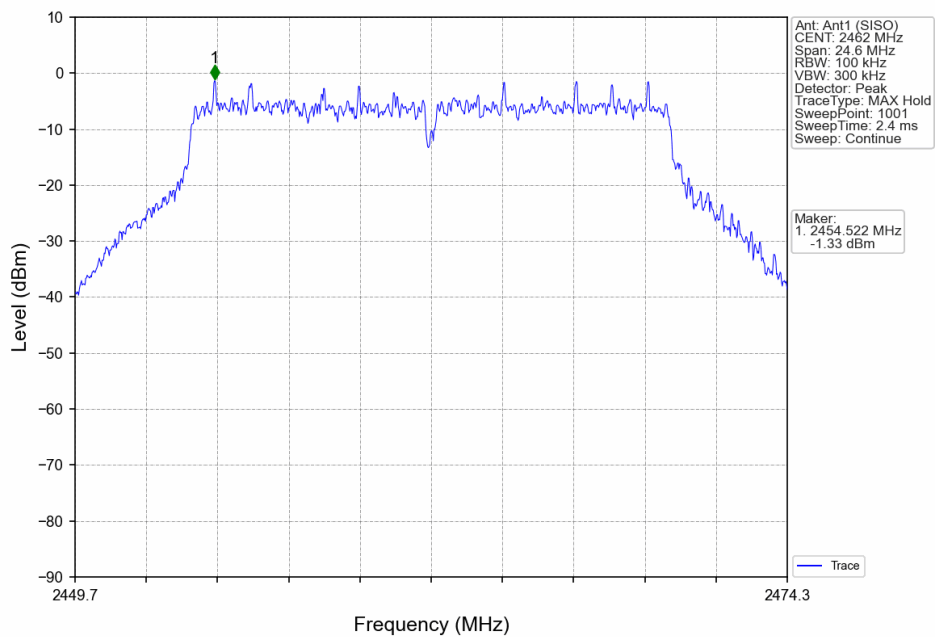
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



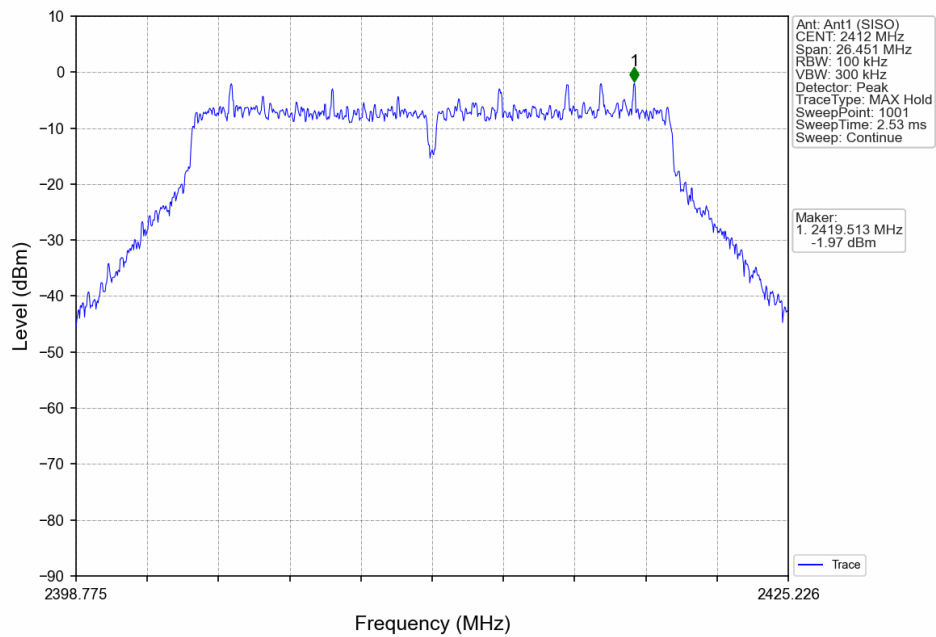
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



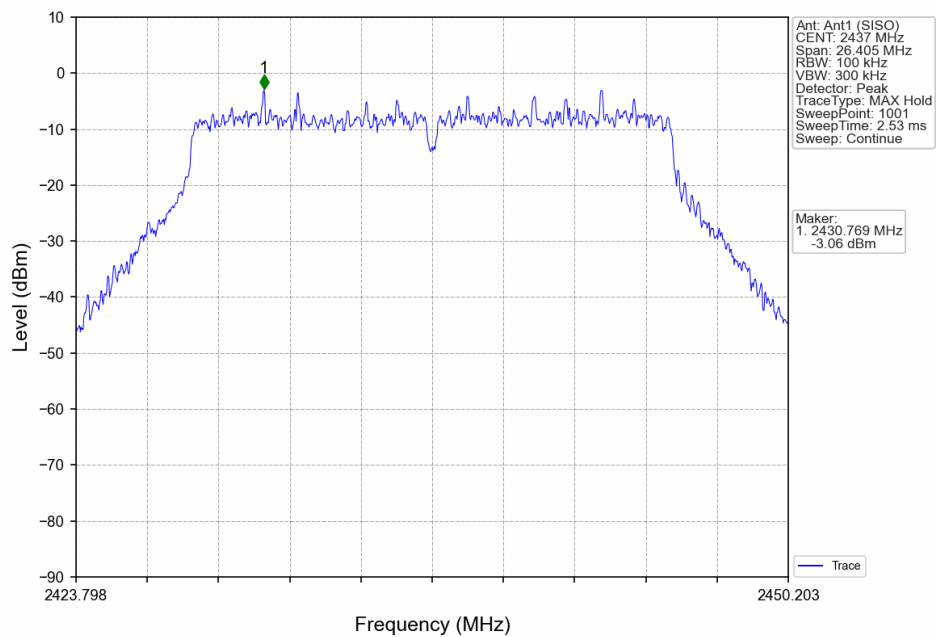
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



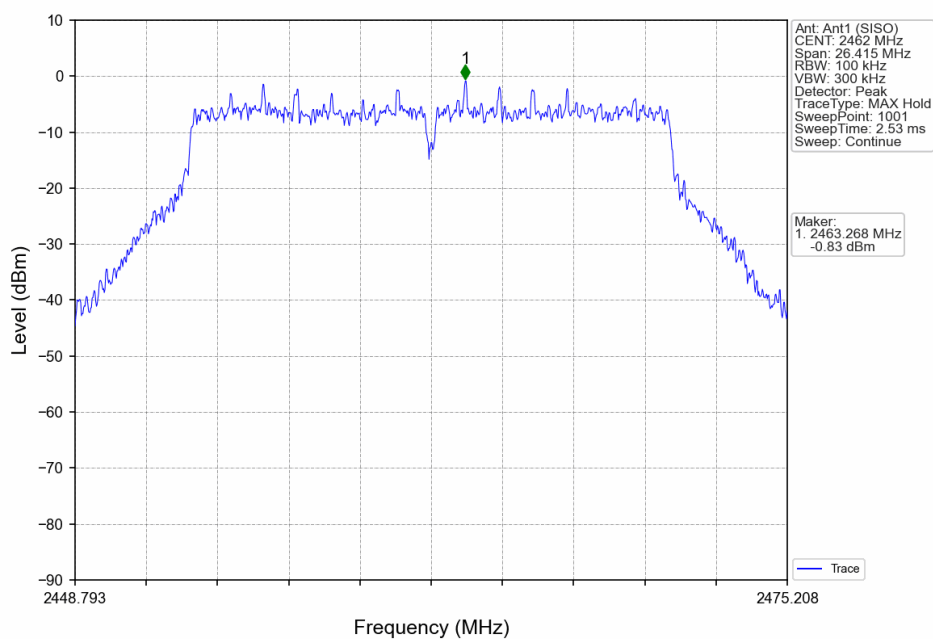
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



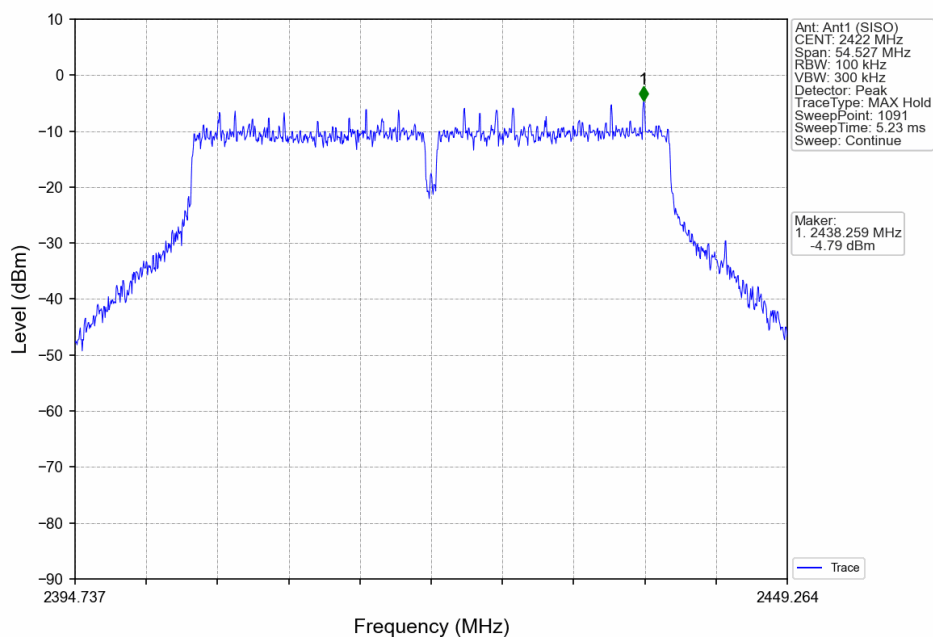
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



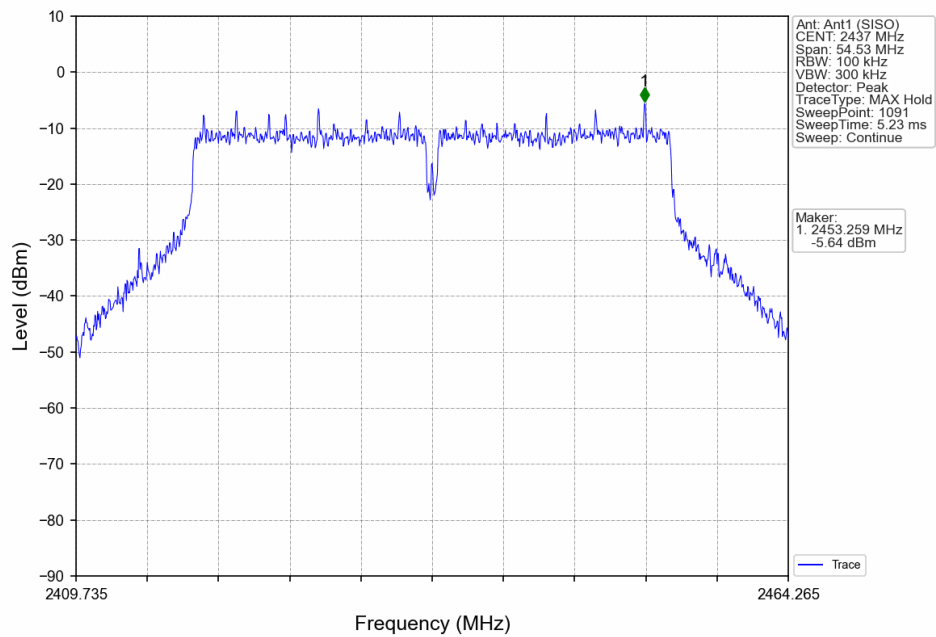
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



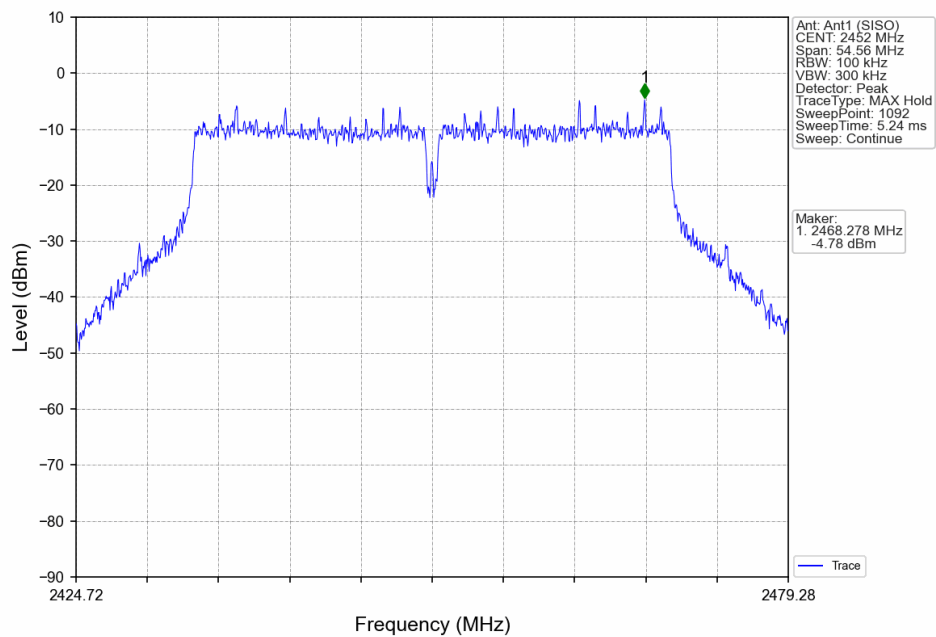
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



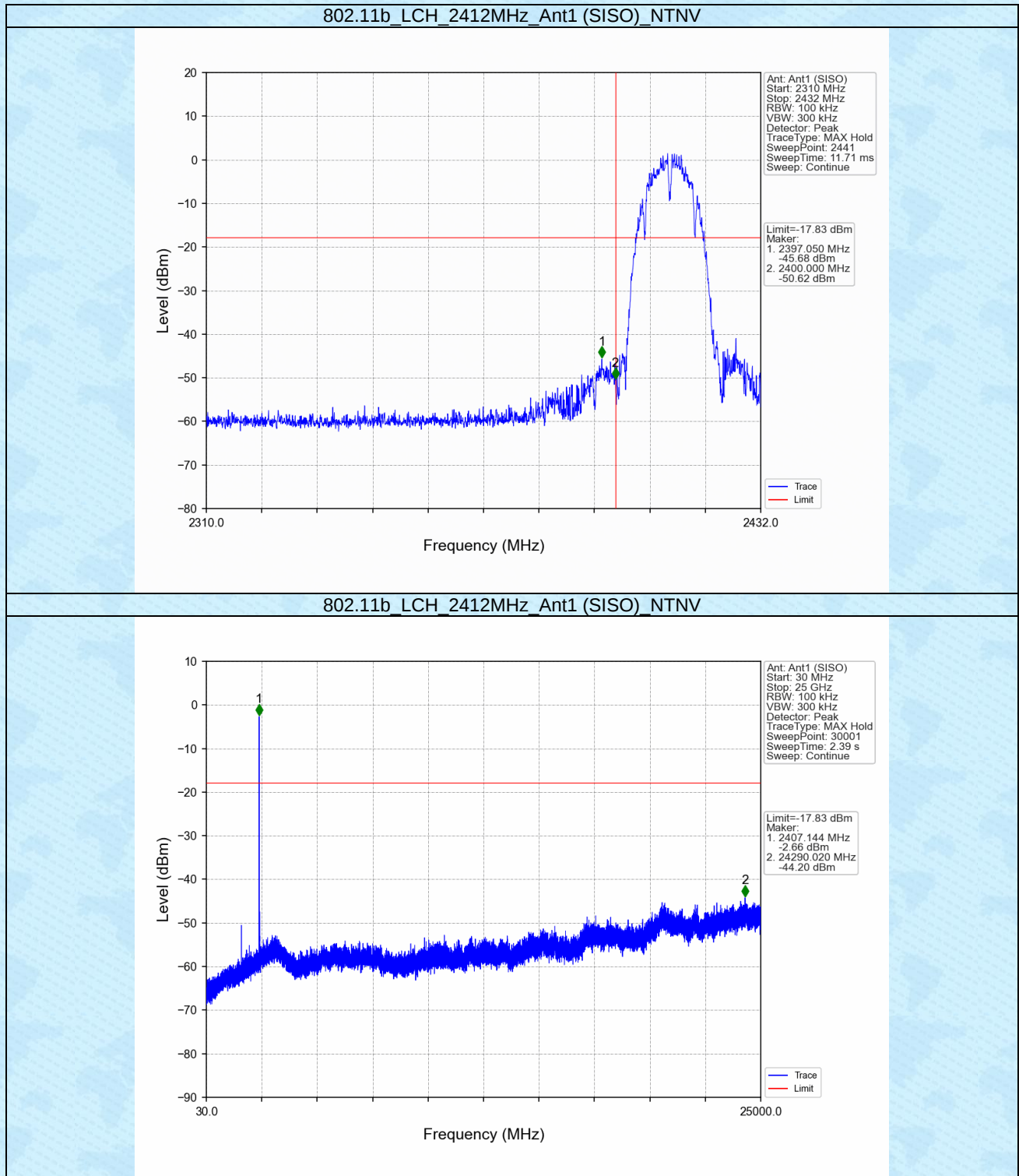
4.2 CSE

4.2.1 Test Result

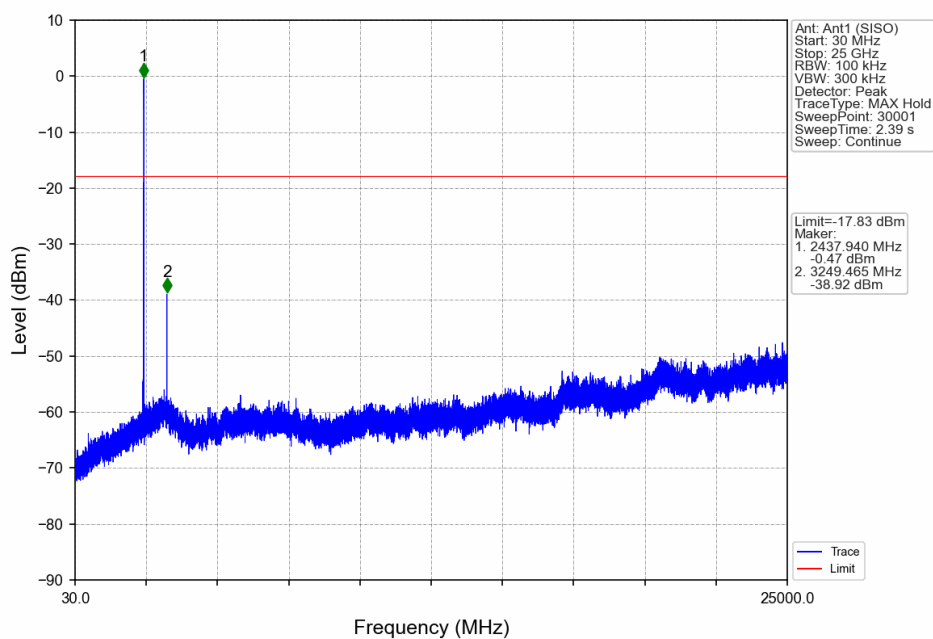
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	2.17	-17.83	Pass
		2437	1	2.17	-17.83	Pass
		2462	1	2.17	-17.83	Pass
802.11g	SISO	2412	1	-1.33	-21.33	Pass
		2437	1	-1.33	-21.33	Pass
		2462	1	-1.33	-21.33	Pass
802.11n (HT20)	SISO	2412	1	-0.83	-20.83	Pass
		2437	1	-0.83	-20.83	Pass
		2462	1	-0.83	-20.83	Pass
802.11n (HT40)	SISO	2422	1	-4.78	-24.78	Pass
		2437	1	-4.78	-24.78	Pass
		2452	1	-4.78	-24.78	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.

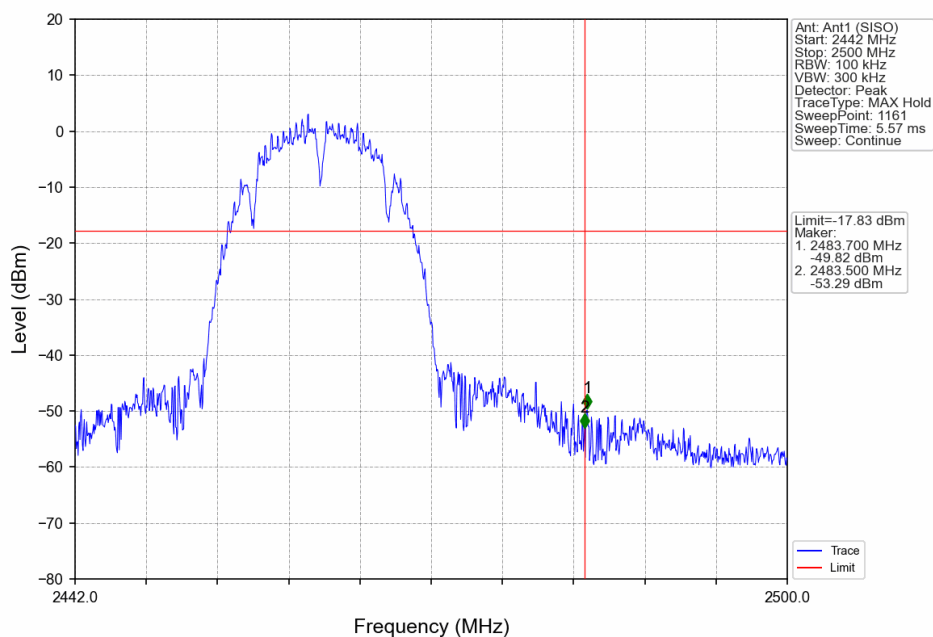
4.2.2 Test Graph



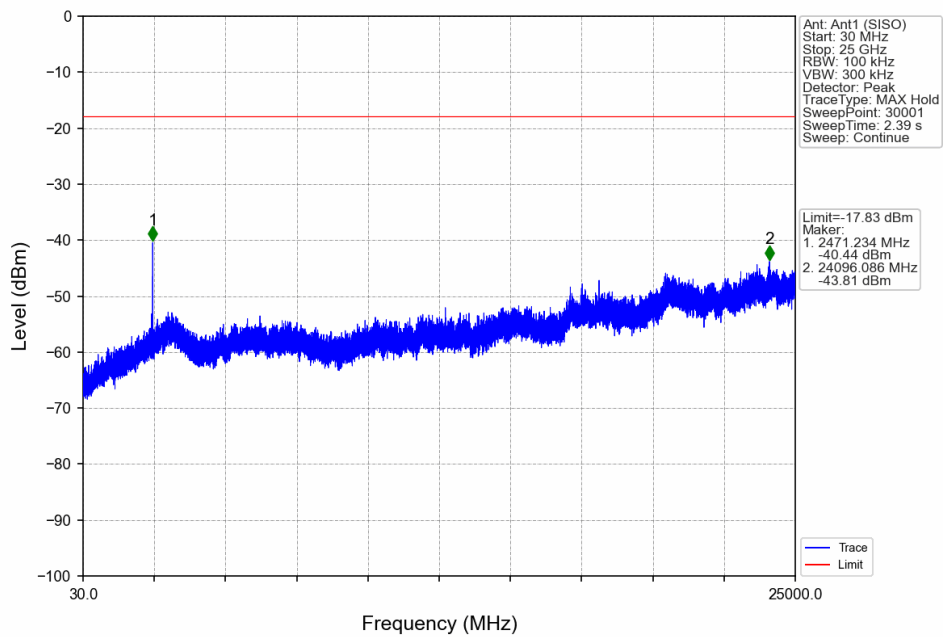
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



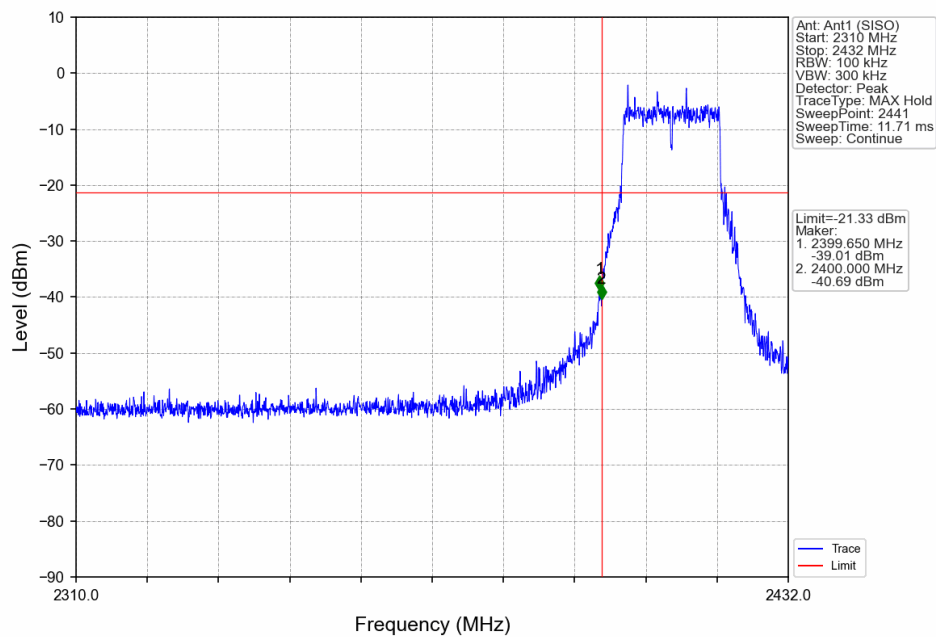
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



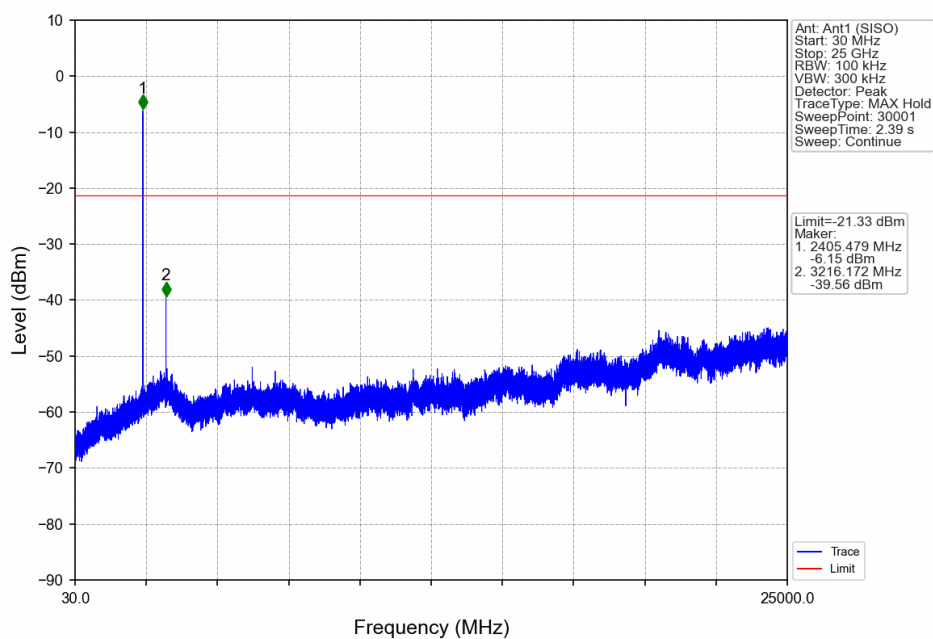
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



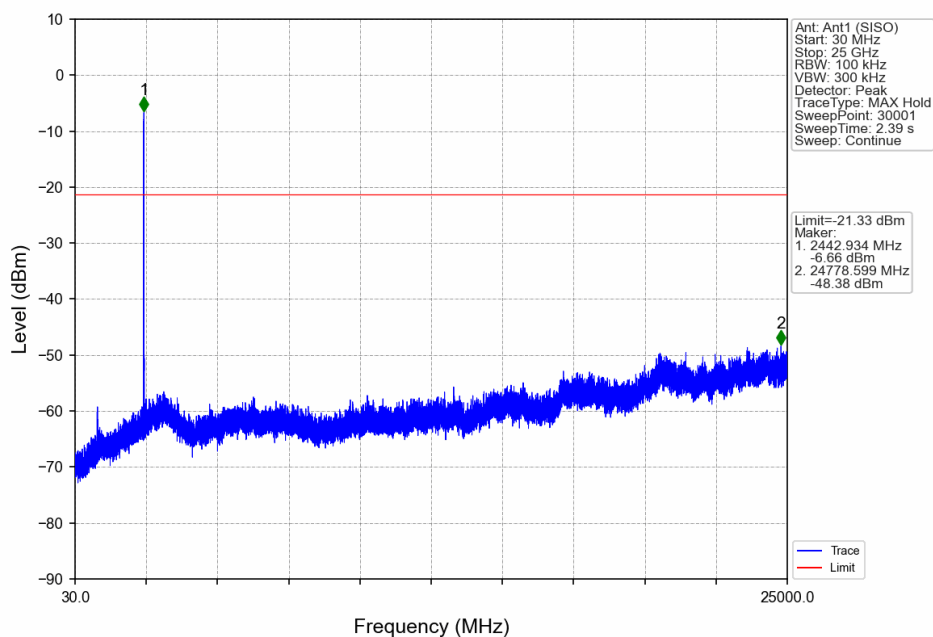
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



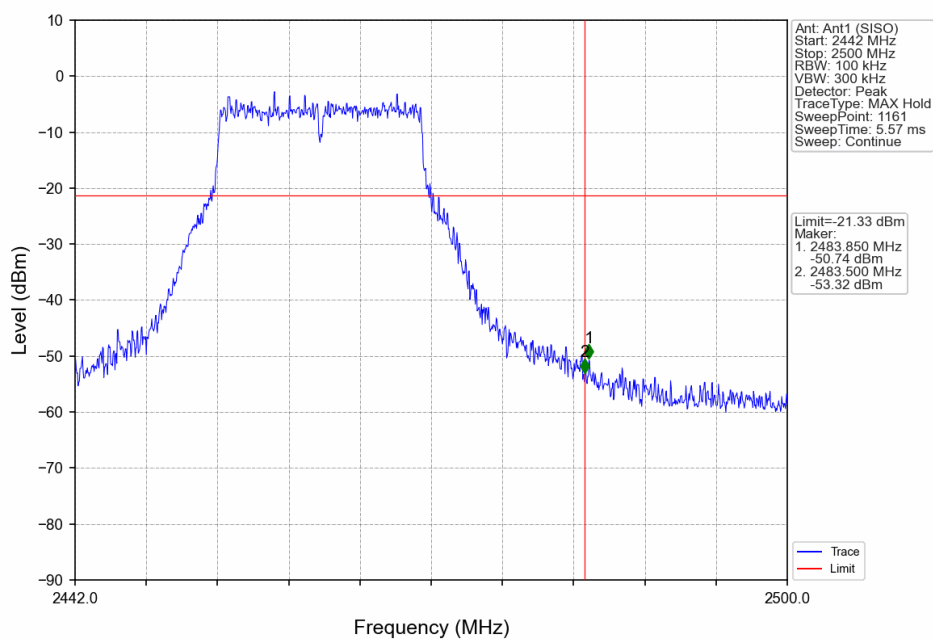
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



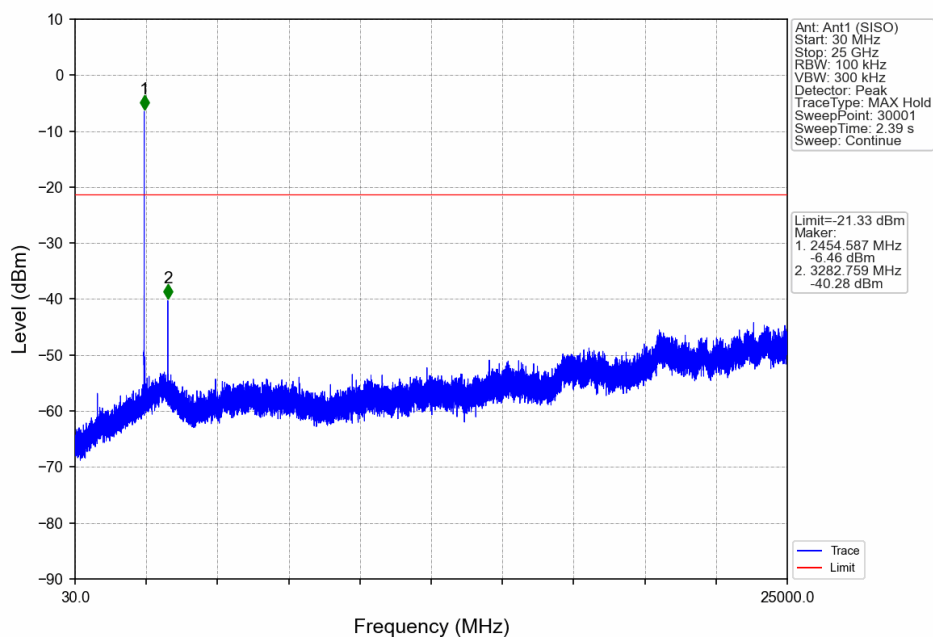
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



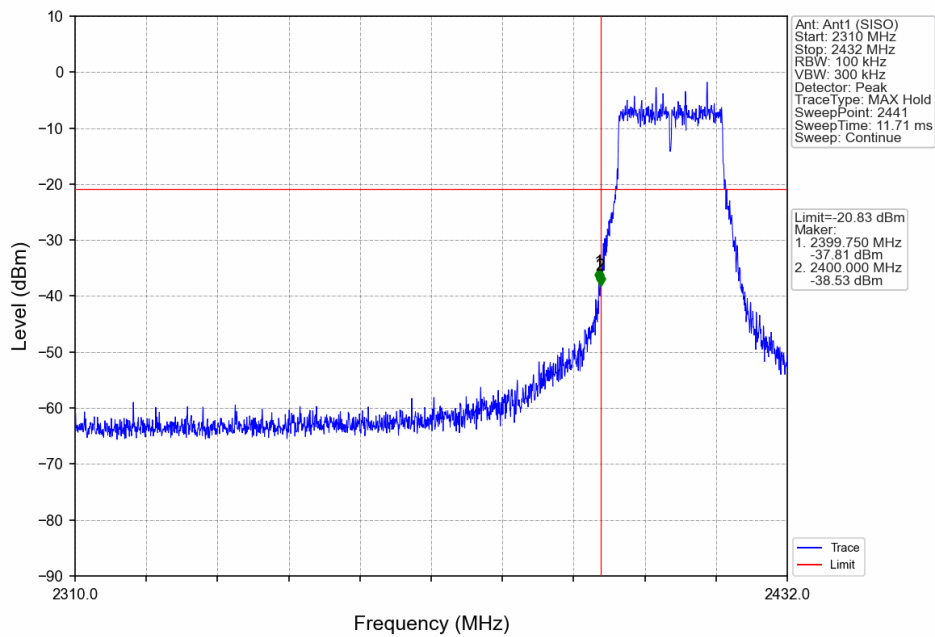
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



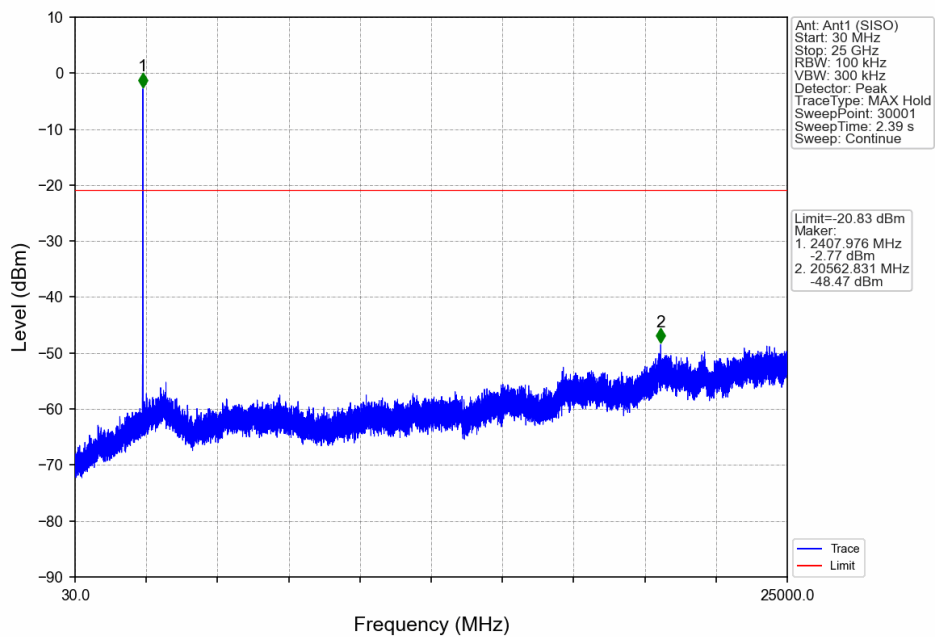
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



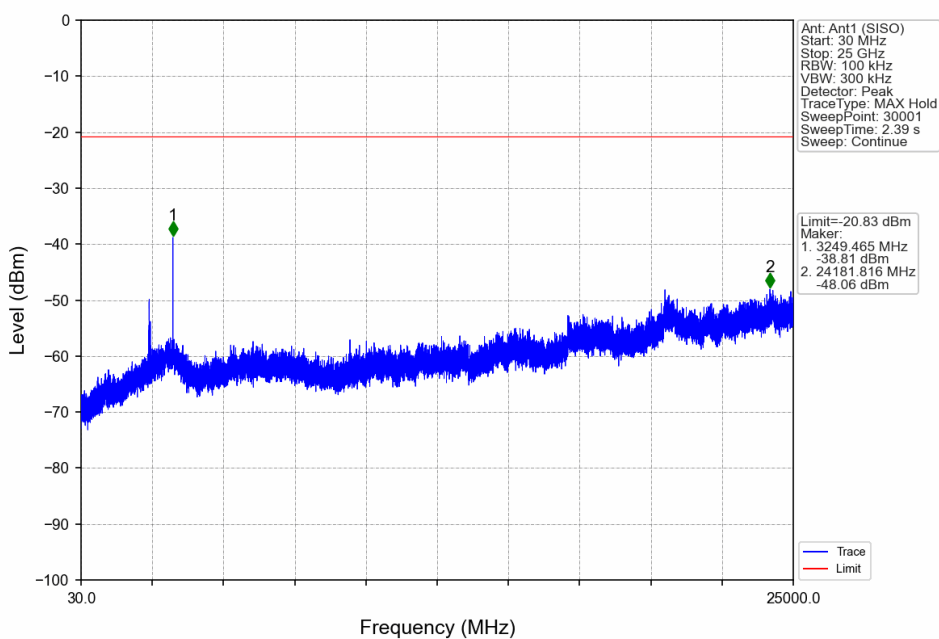
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



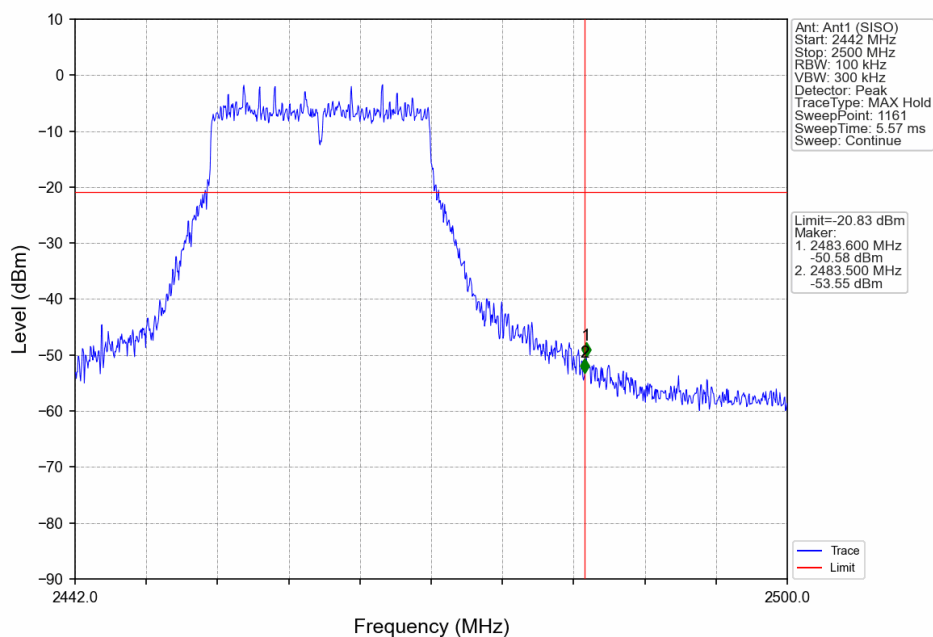
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



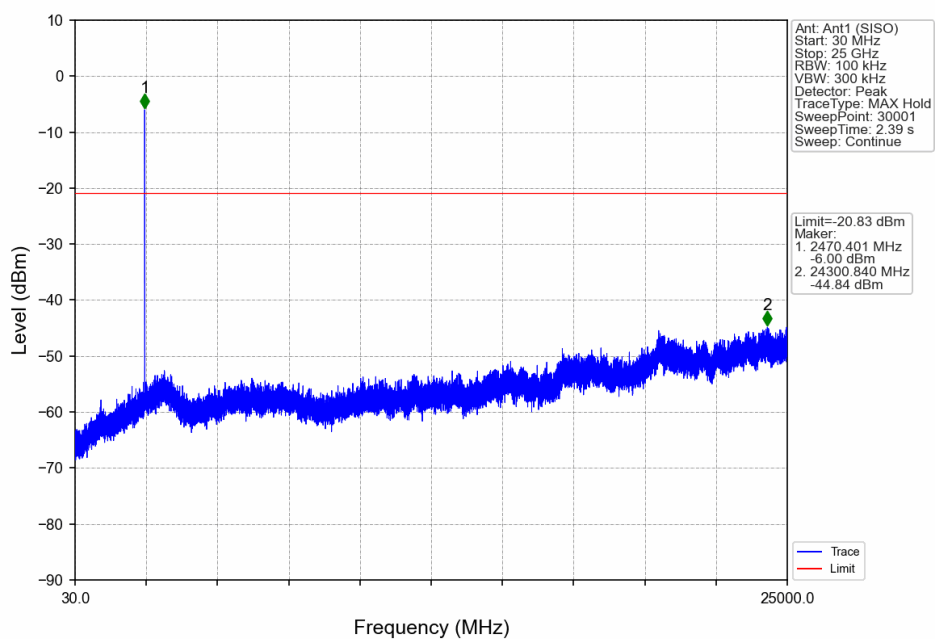
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



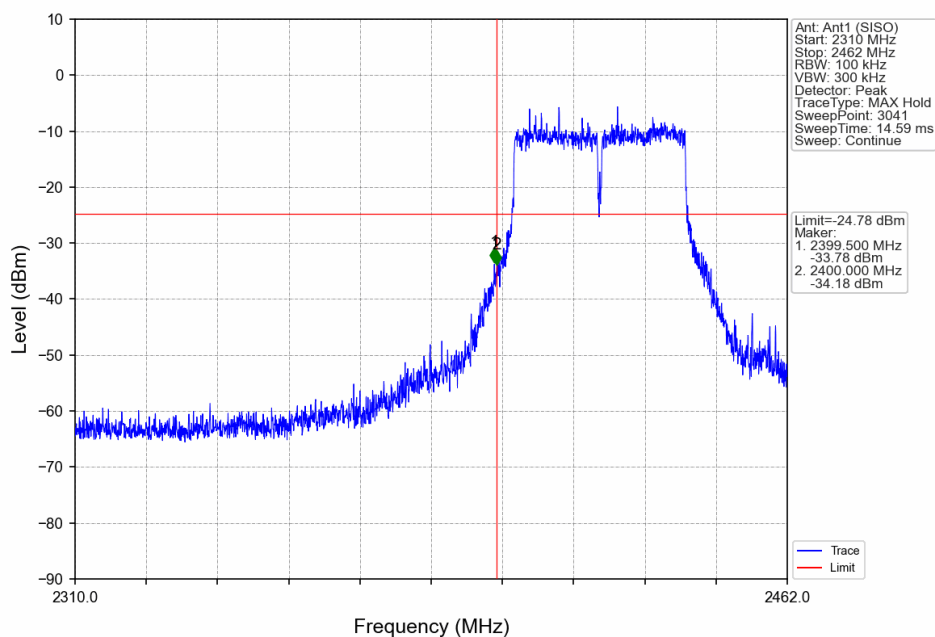
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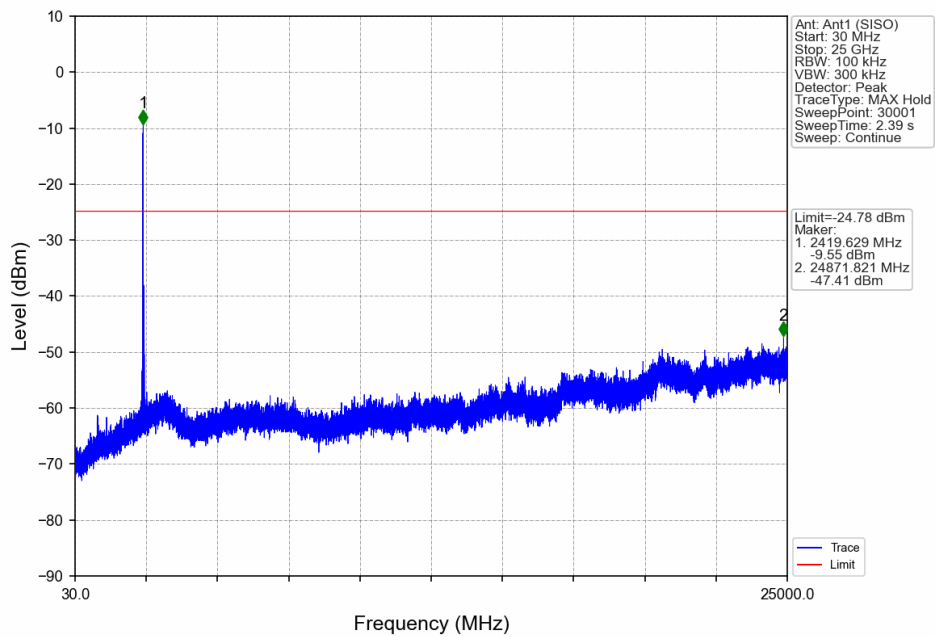
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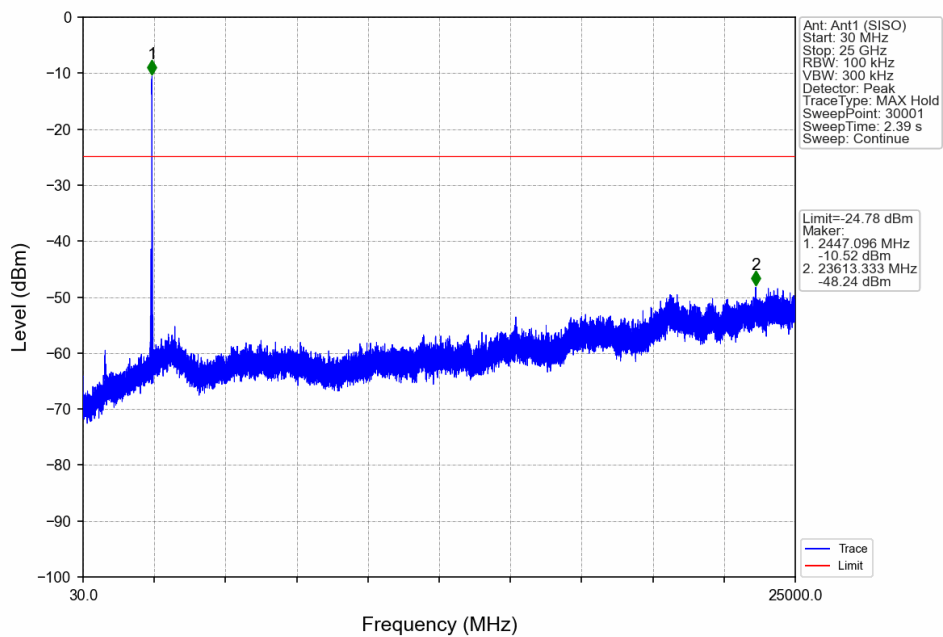
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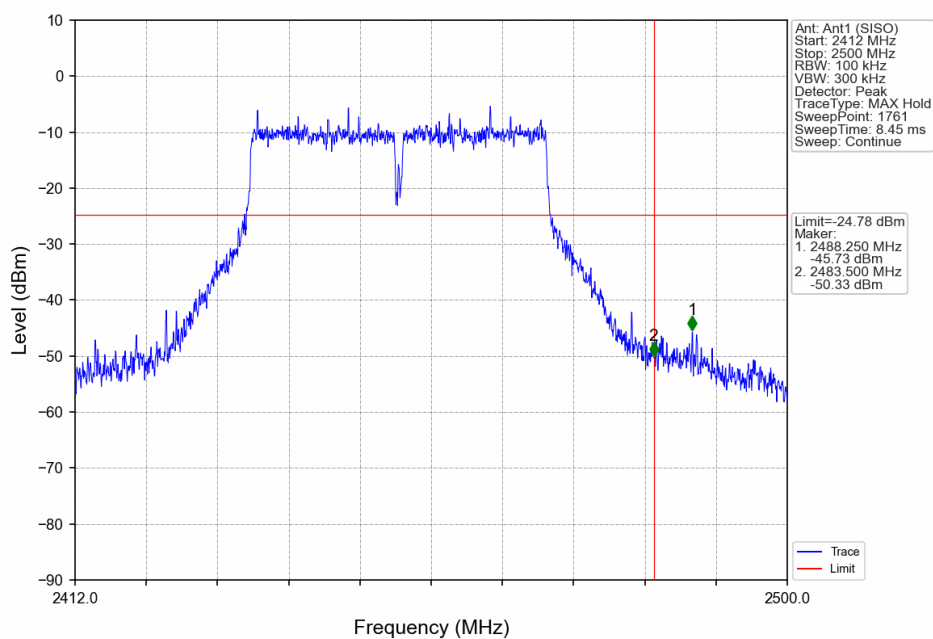
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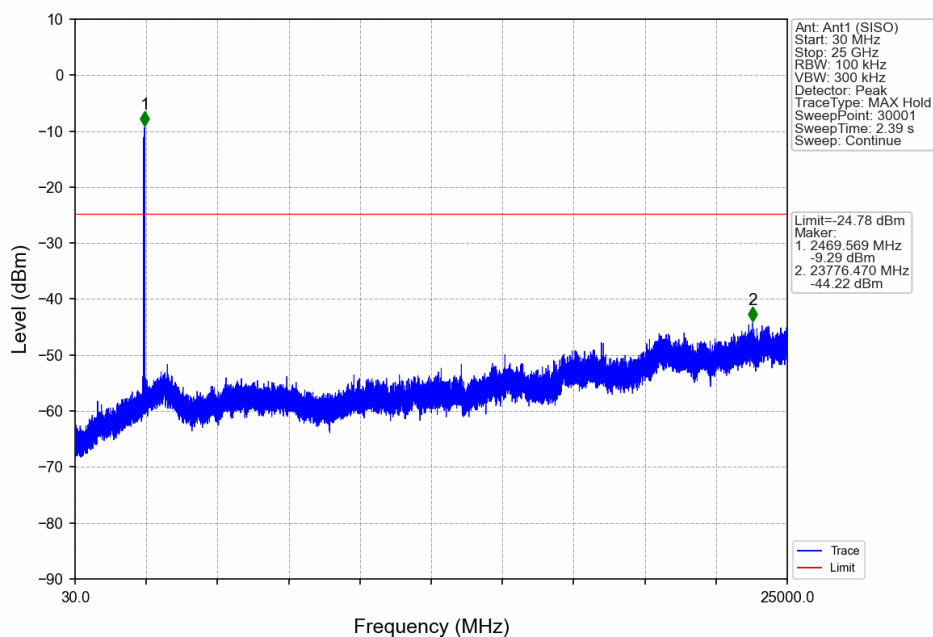
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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