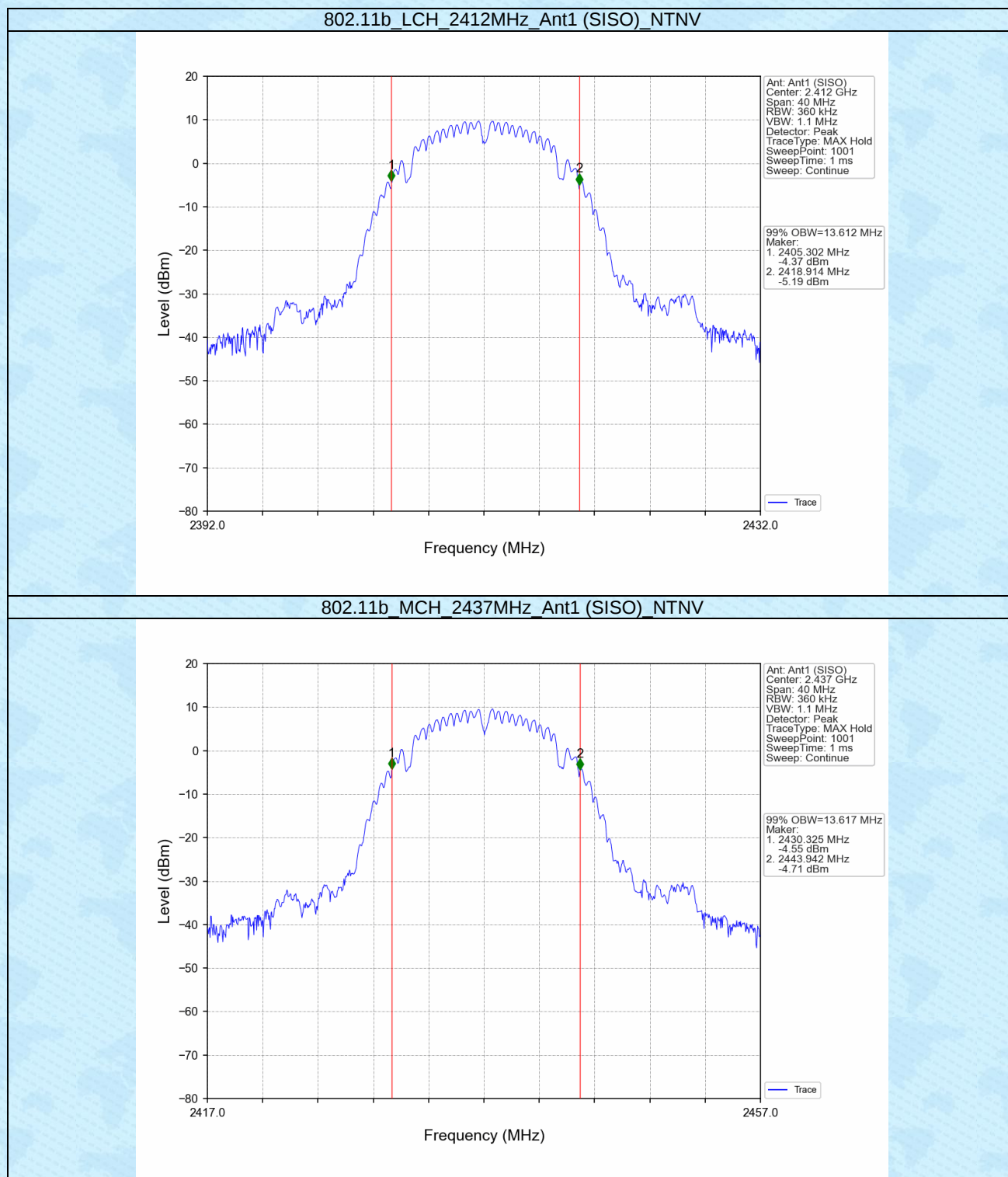


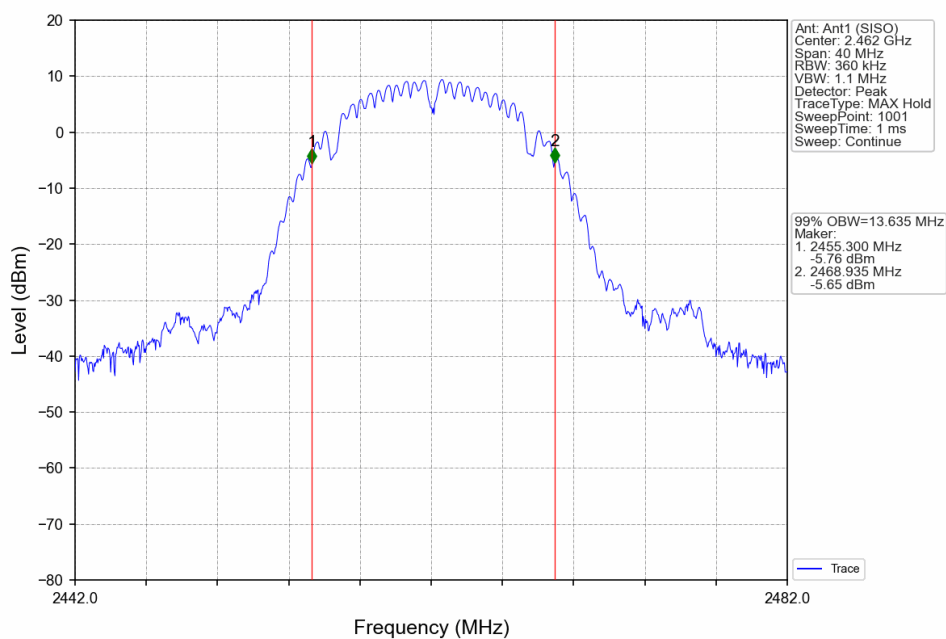
Appendix for 15.247**1. Bandwidth****1.1 OBW****1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.612	Pass
		2437	1	13.617	Pass
		2462	1	13.635	Pass
802.11g	SISO	2412	1	18.950	Pass
		2437	1	18.975	Pass
		2462	1	19.003	Pass
802.11n (HT20)	SISO	2412	1	19.699	Pass
		2437	1	19.570	Pass
		2462	1	19.793	Pass
802.11n (HT40)	SISO	2422	1	40.702	Pass
		2437	1	40.734	Pass
		2452	1	40.978	Pass

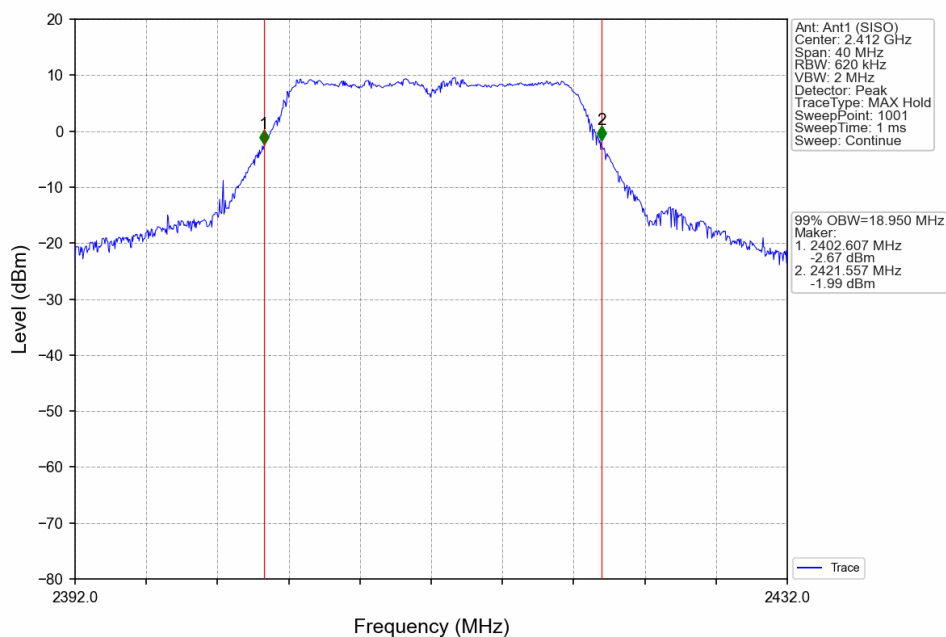
1.1.2 Test Graph



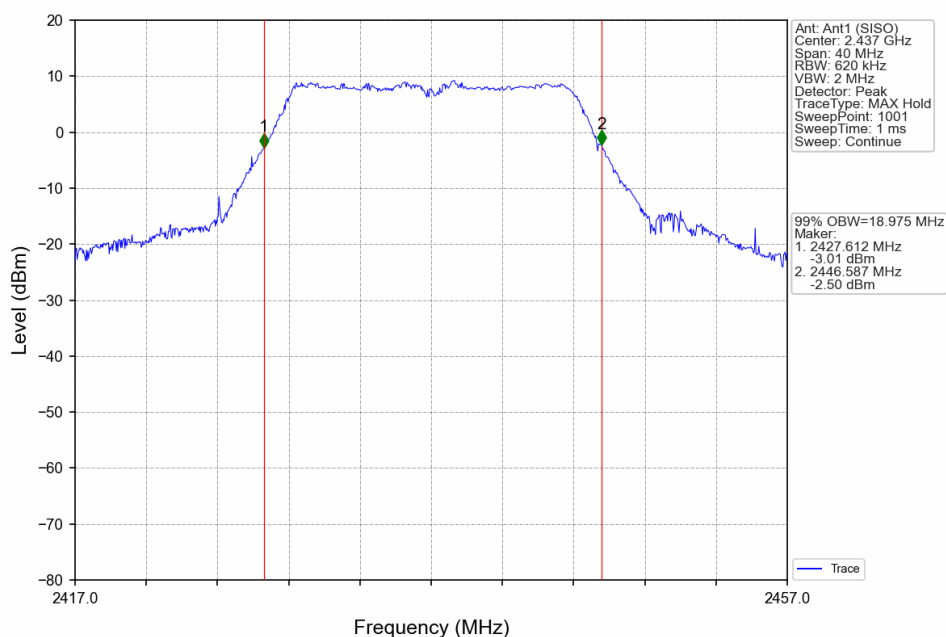
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



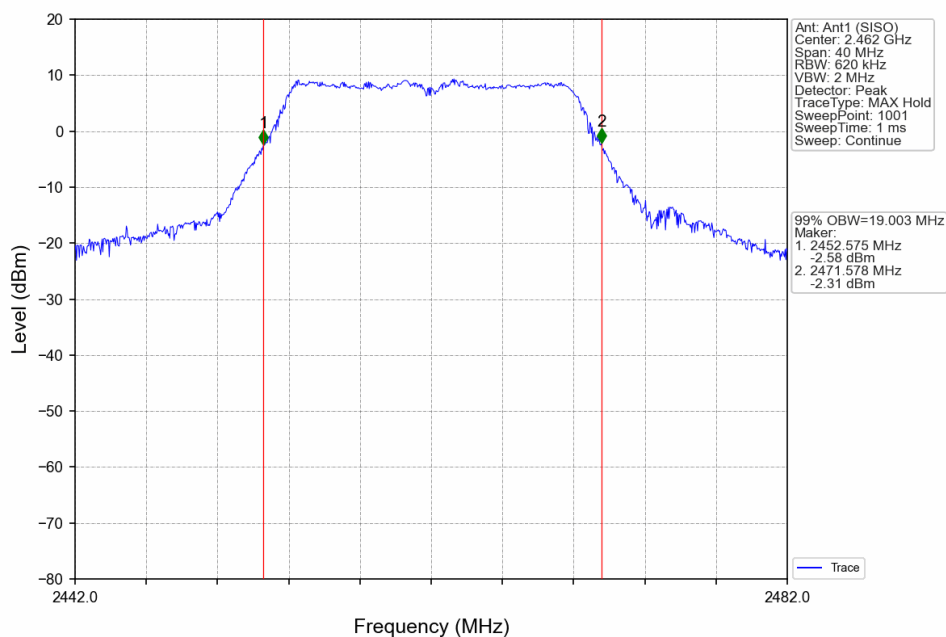
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



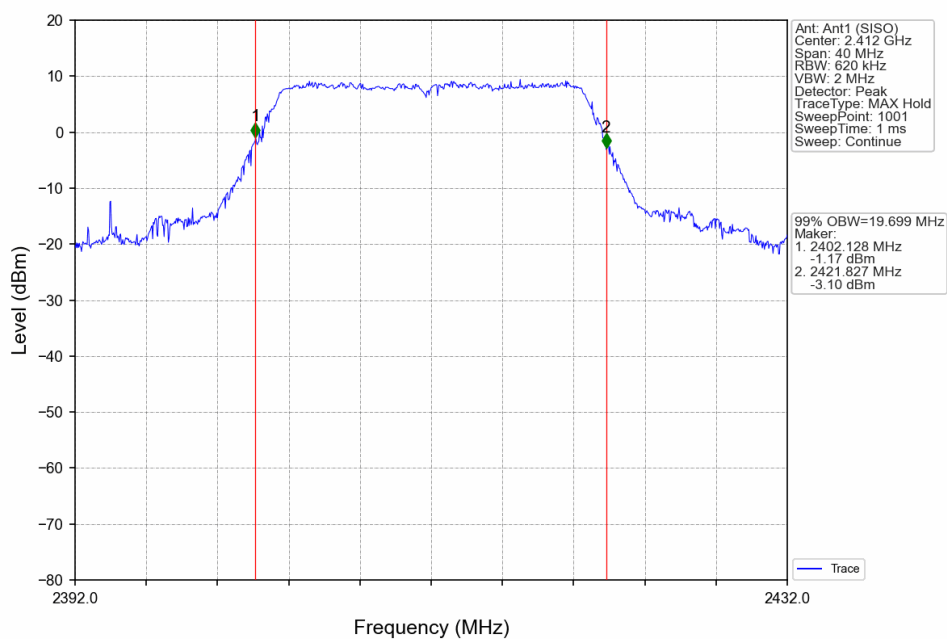
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



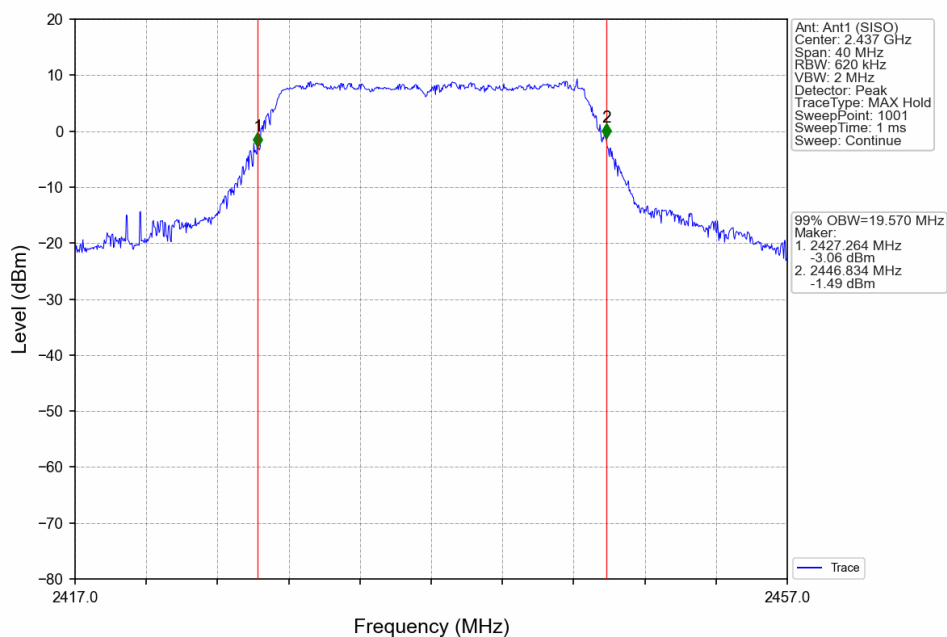
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



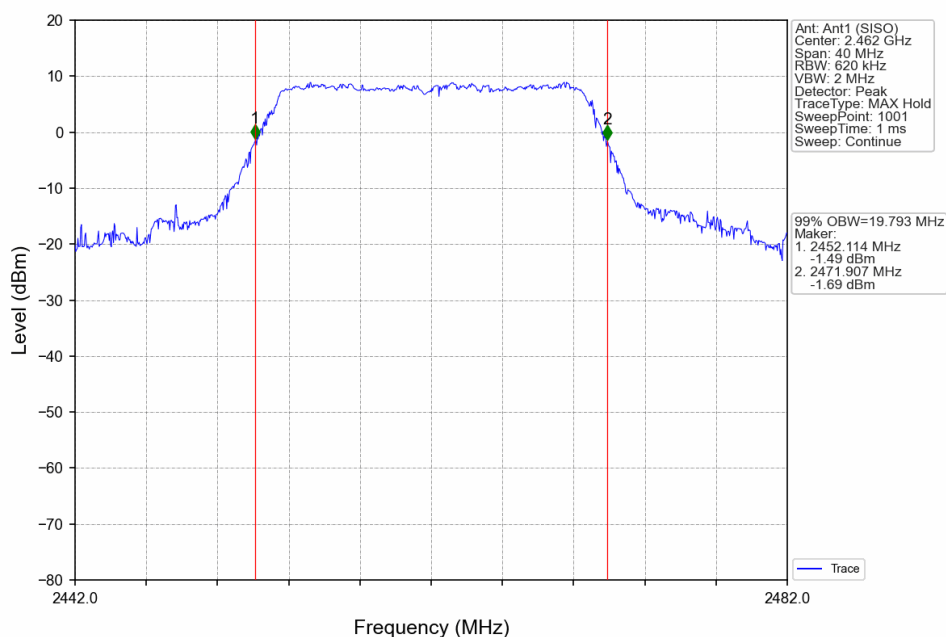
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



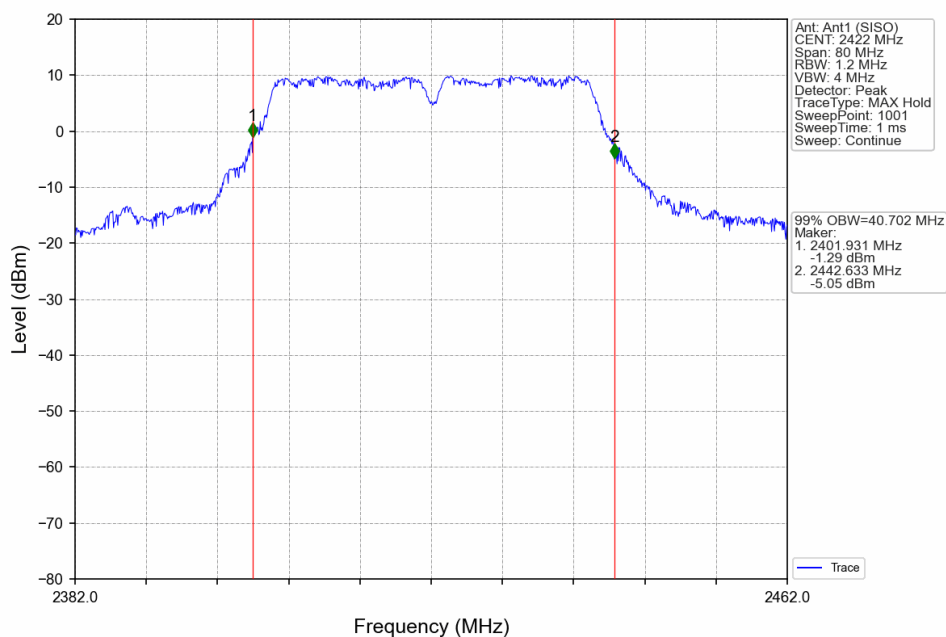
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



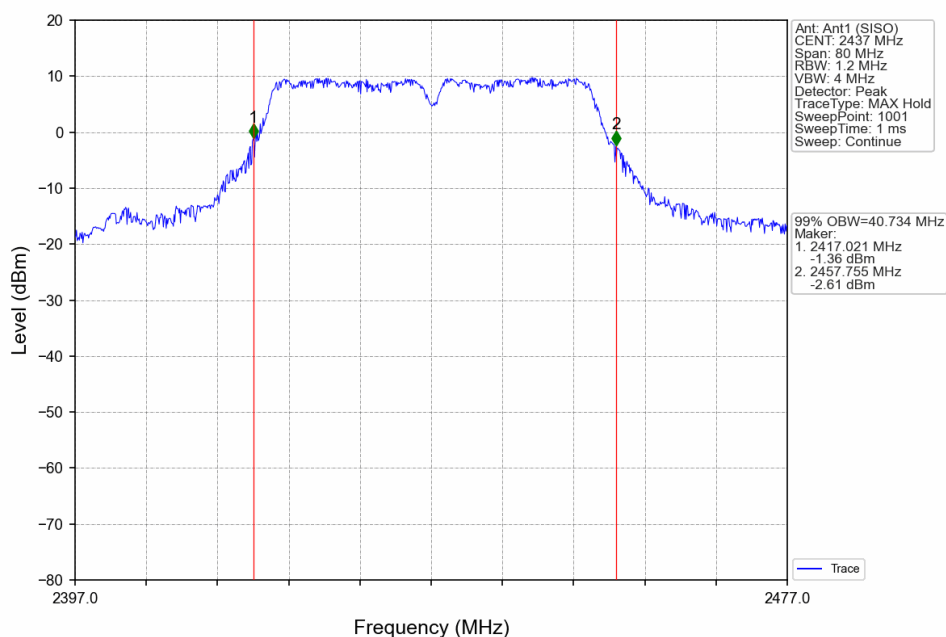
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



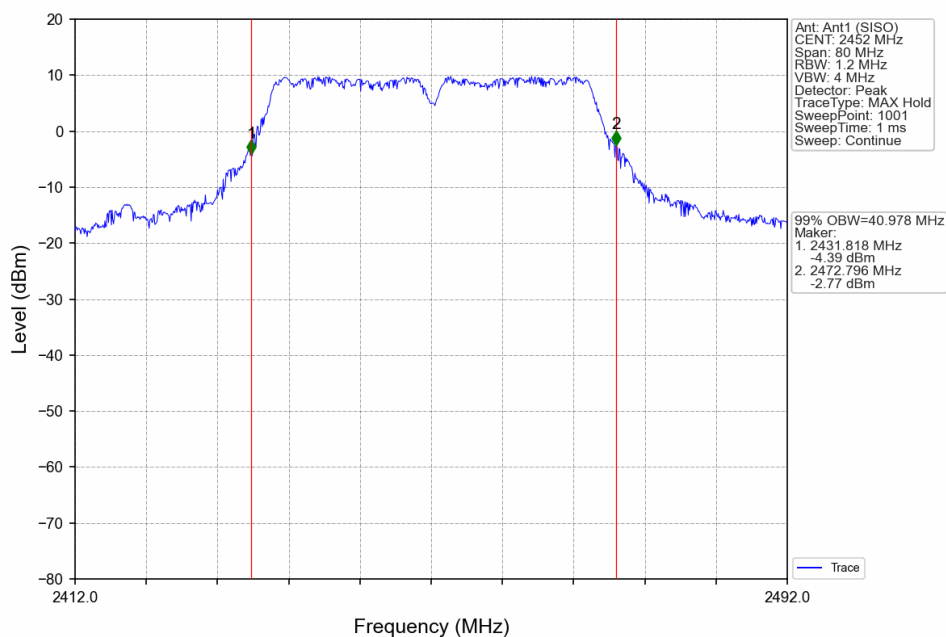
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

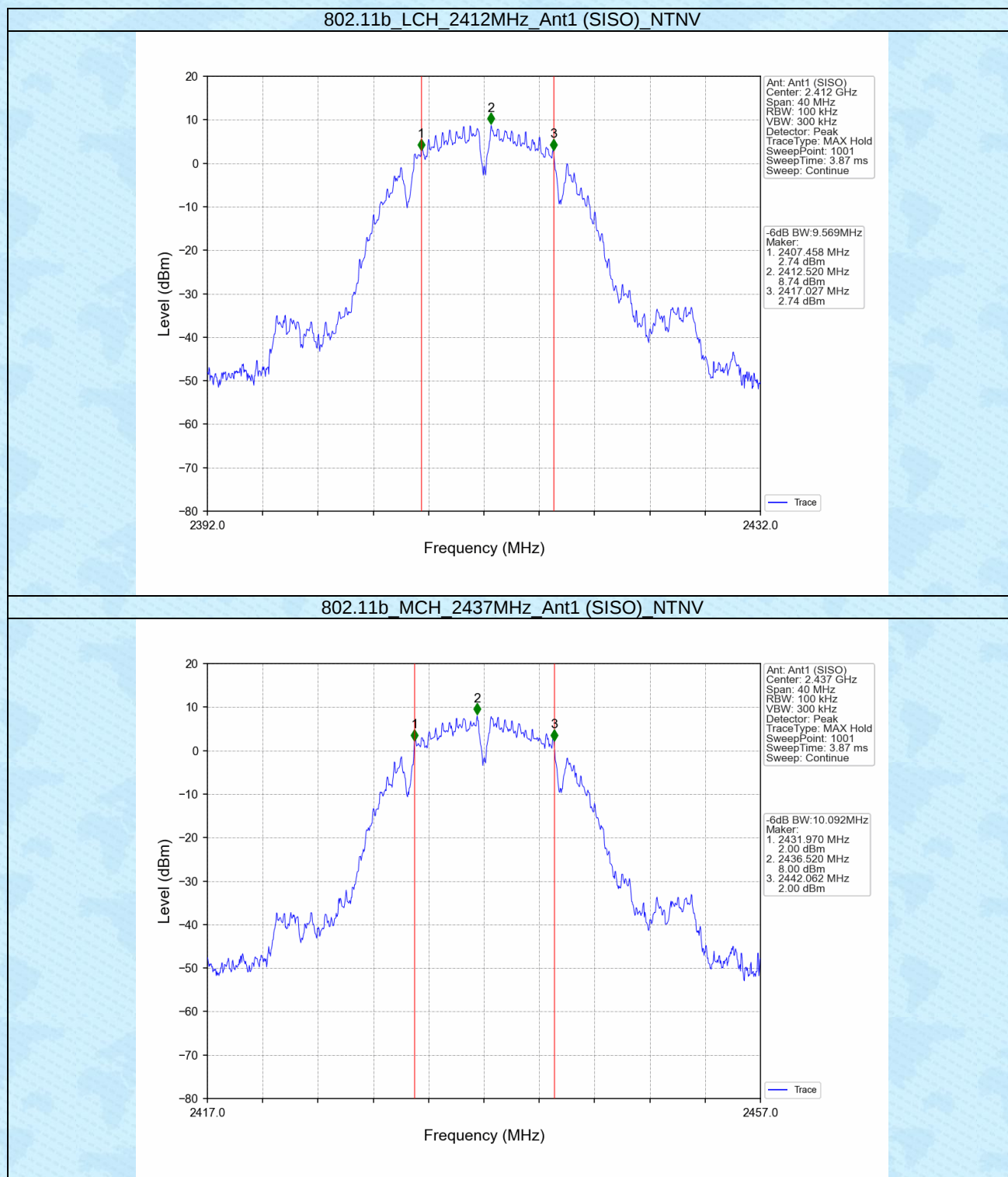


1.2 6dB BW

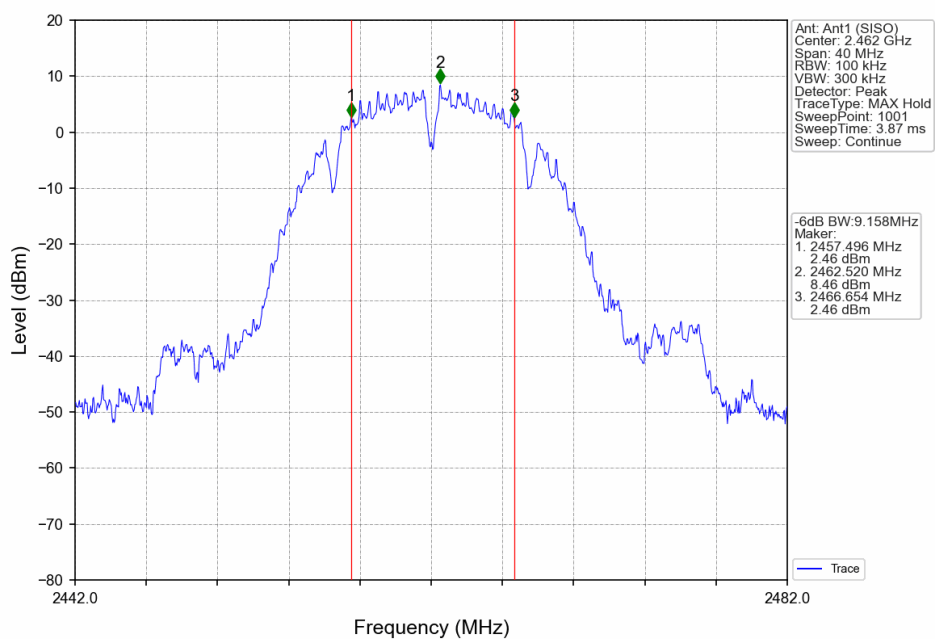
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.569	≥ 0.5	Pass
		2437	1	10.092	≥ 0.5	Pass
		2462	1	9.158	≥ 0.5	Pass
802.11g	SISO	2412	1	16.400	≥ 0.5	Pass
		2437	1	16.389	≥ 0.5	Pass
		2462	1	16.365	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.609	≥ 0.5	Pass
		2437	1	17.590	≥ 0.5	Pass
		2462	1	17.605	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.344	≥ 0.5	Pass
		2437	1	36.367	≥ 0.5	Pass
		2452	1	36.379	≥ 0.5	Pass

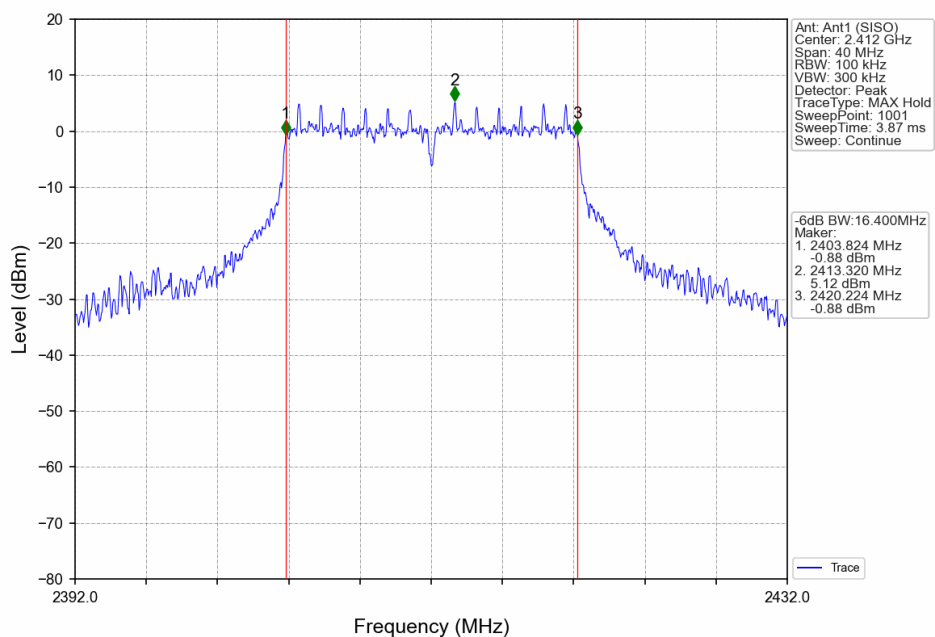
1.2.2 Test Graph



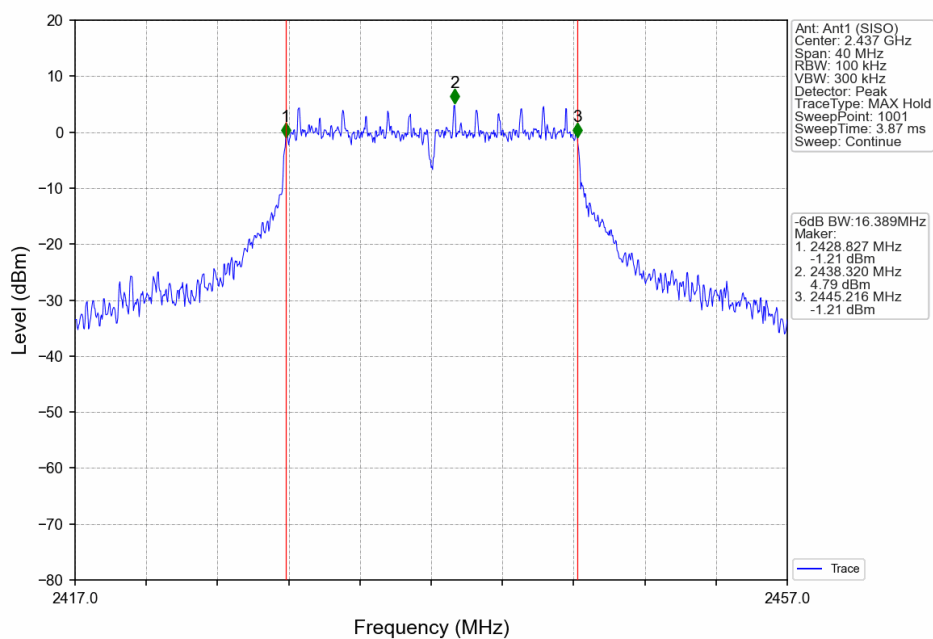
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



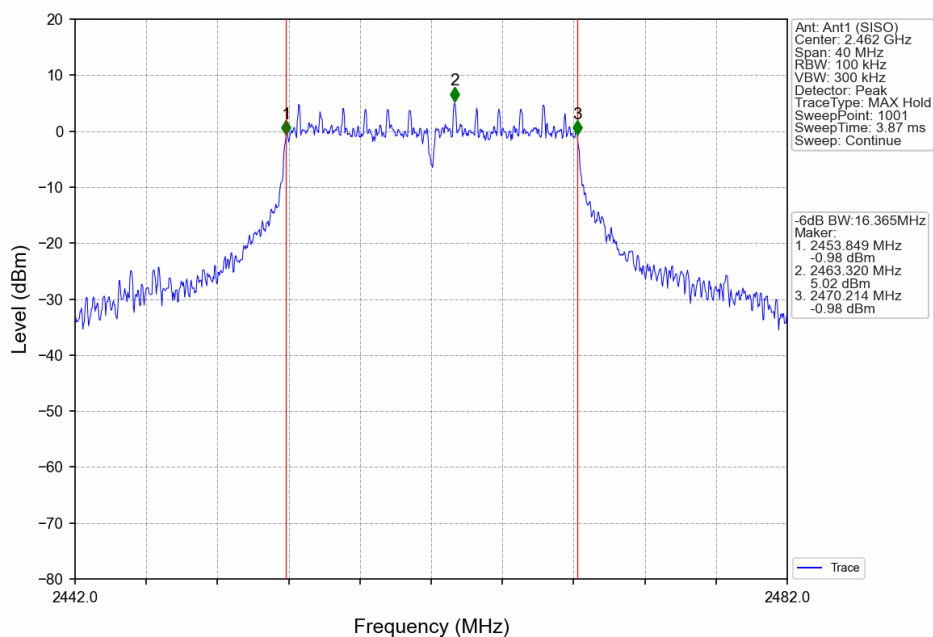
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



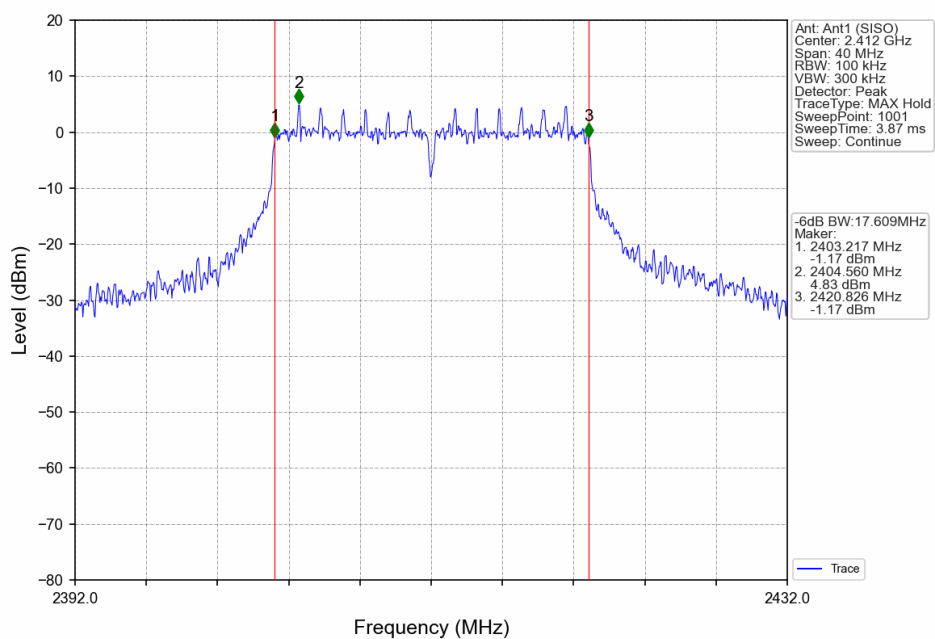
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



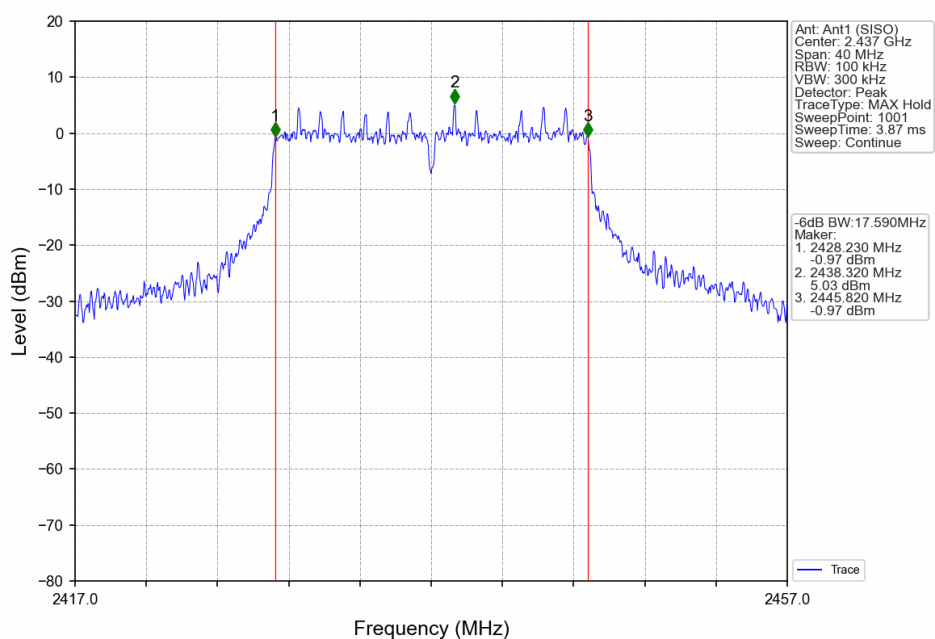
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



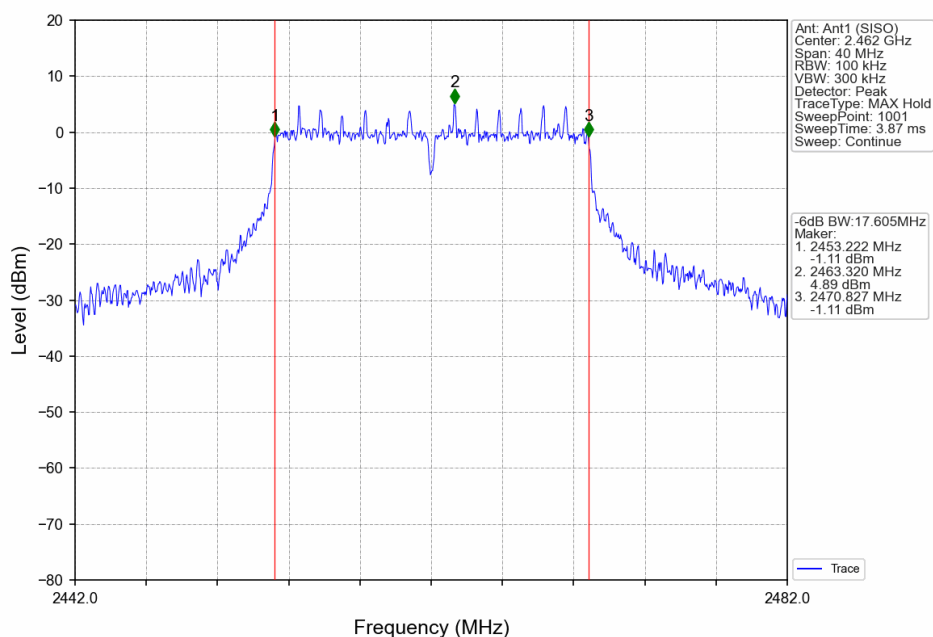
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



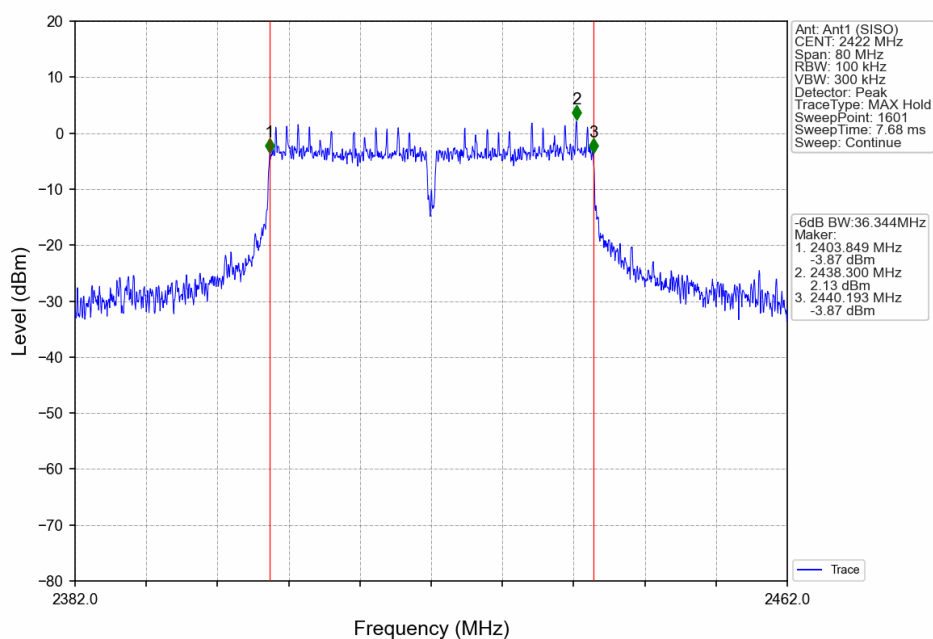
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



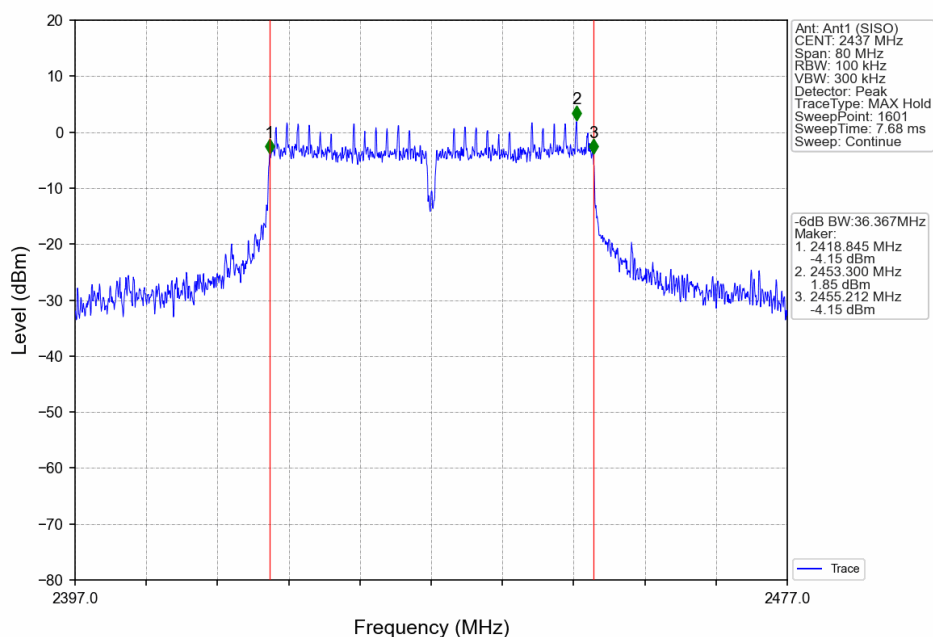
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



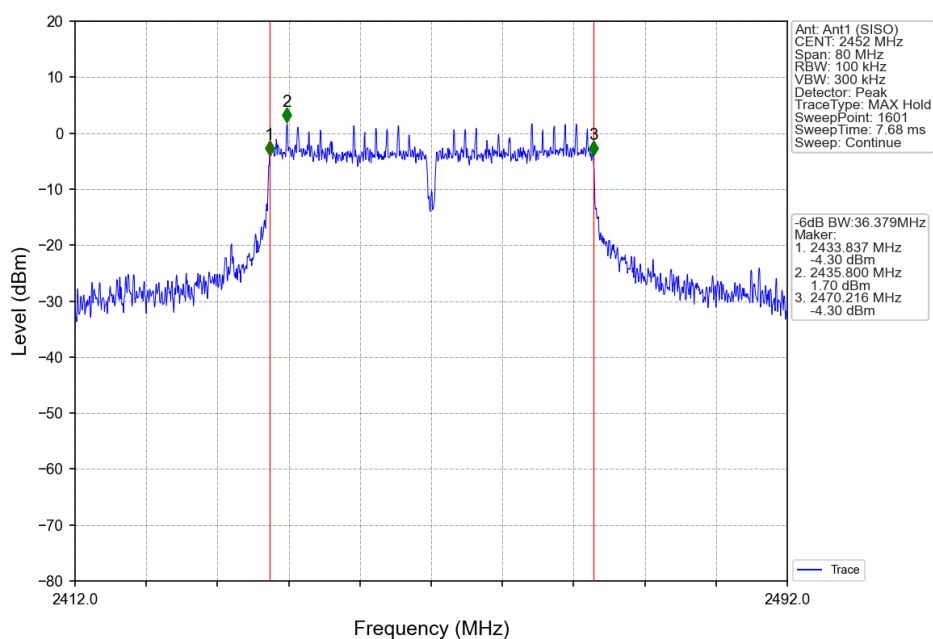
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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

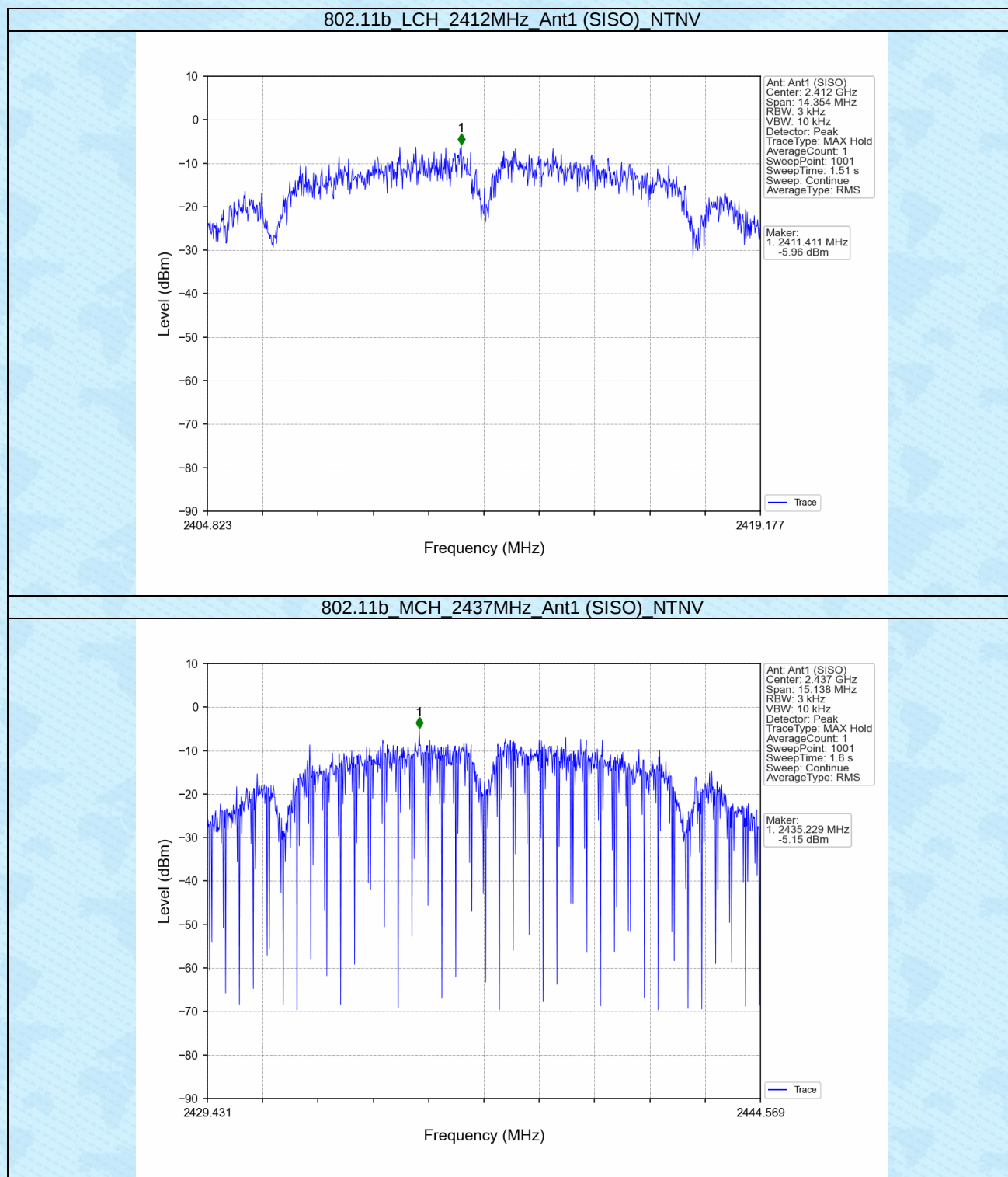
Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	20.72	<=30	Pass
		2437	20.51	<=30	Pass
		2462	20.15	<=30	Pass
802.11g	SISO	2412	23.01	<=30	Pass
		2437	22.69	<=30	Pass
		2462	22.76	<=30	Pass
802.11n (HT20)	SISO	2412	23.01	<=30	Pass
		2437	22.74	<=30	Pass
		2462	22.84	<=30	Pass
802.11n (HT40)	SISO	2422	22.72	<=30	Pass
		2437	22.64	<=30	Pass
		2452	22.52	<=30	Pass

3. Maximum Power Spectral Density

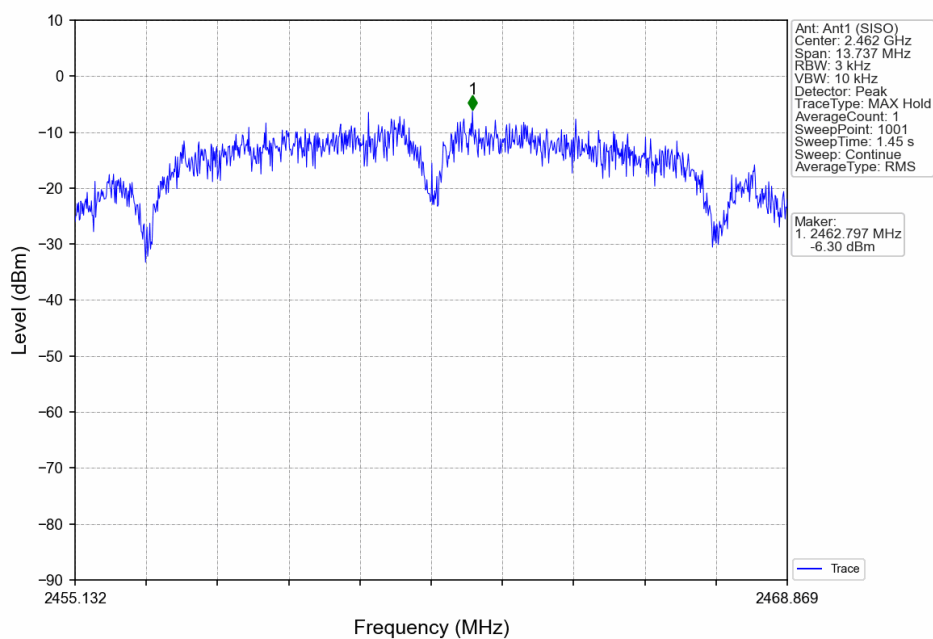
3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-5.96	<=8	Pass
		2437	-5.15	<=8	Pass
		2462	-6.30	<=8	Pass
802.11g	SISO	2412	-11.17	<=8	Pass
		2437	-9.78	<=8	Pass
		2462	-10.97	<=8	Pass
802.11n (HT20)	SISO	2412	-10.35	<=8	Pass
		2437	-10.42	<=8	Pass
		2462	-10.35	<=8	Pass
802.11n (HT40)	SISO	2422	-13.75	<=8	Pass
		2437	-13.10	<=8	Pass
		2452	-12.70	<=8	Pass

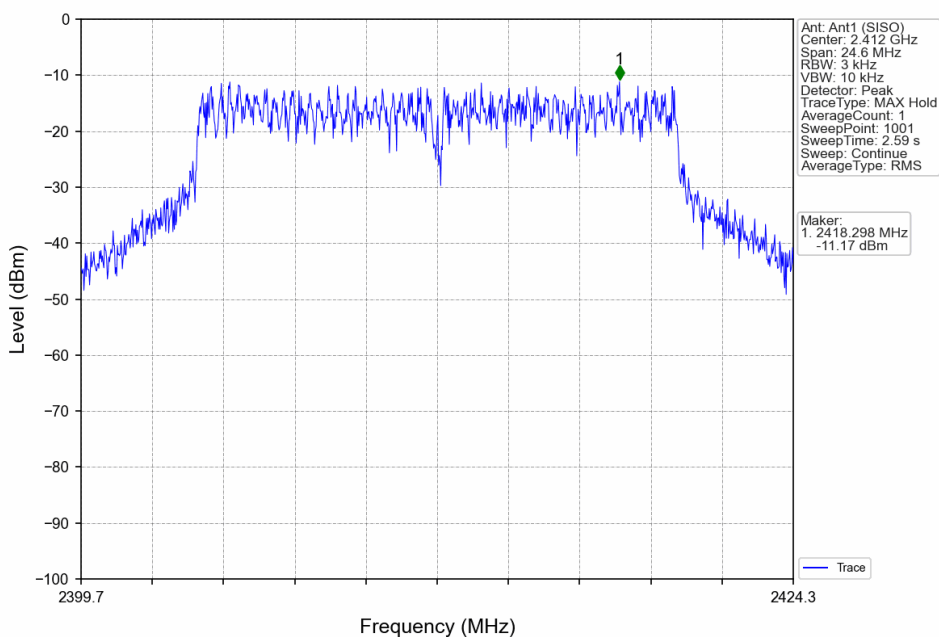
3.2 Test Graph



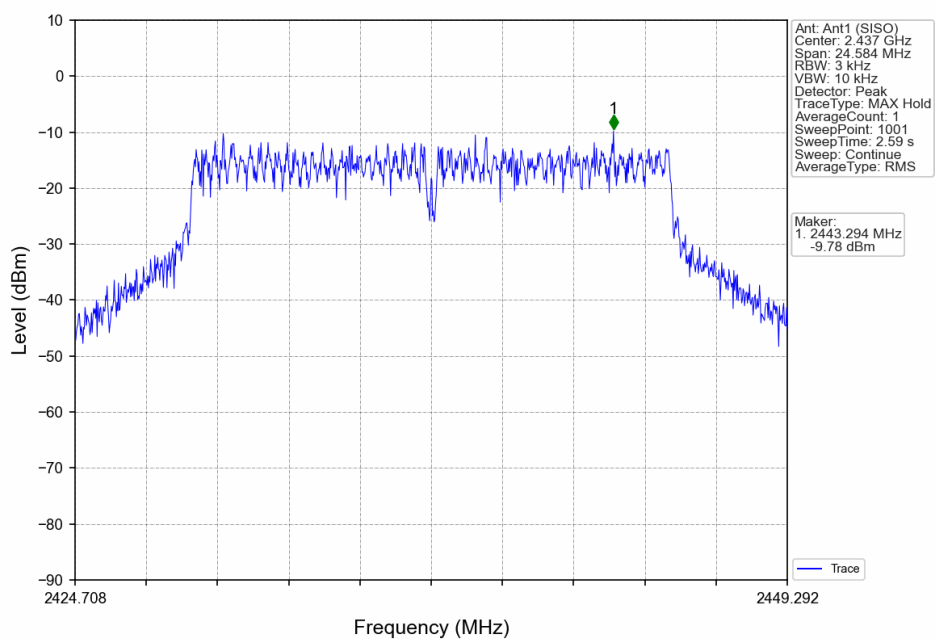
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



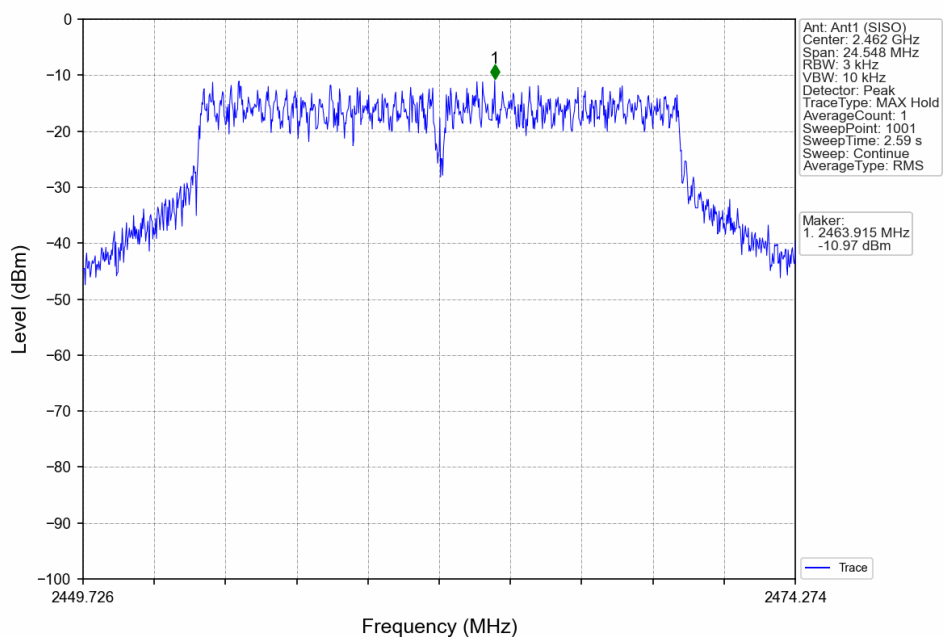
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



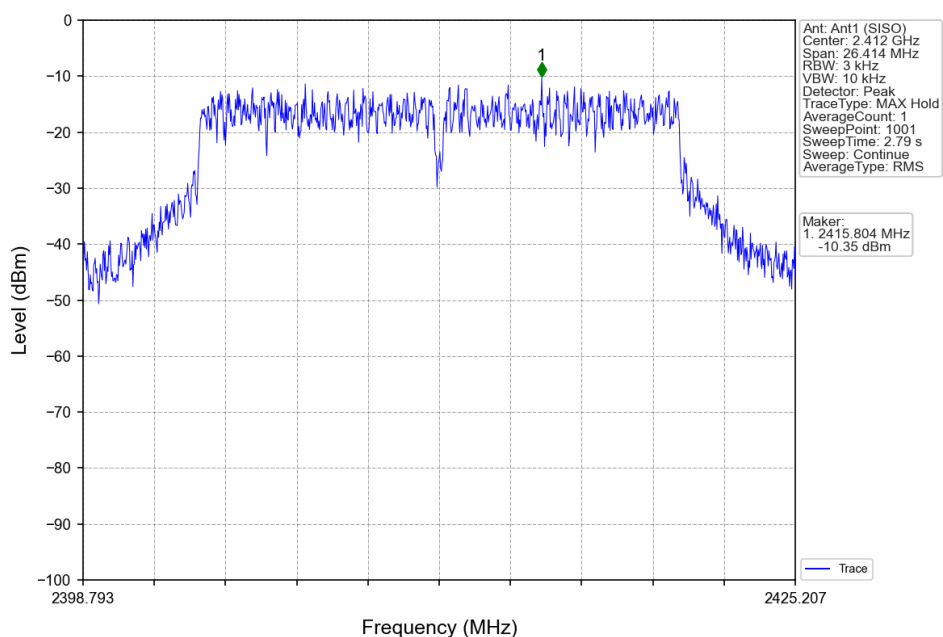
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



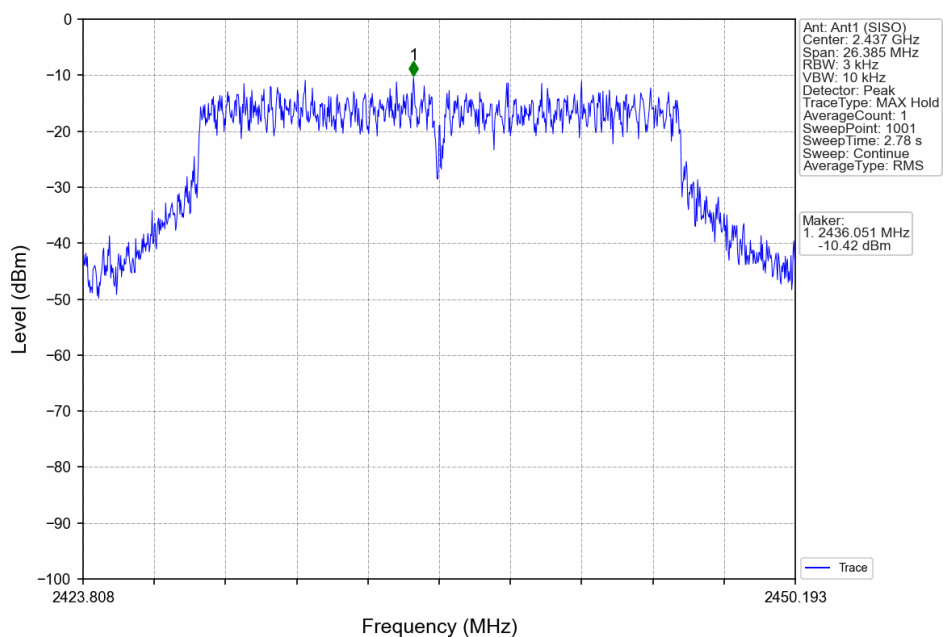
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



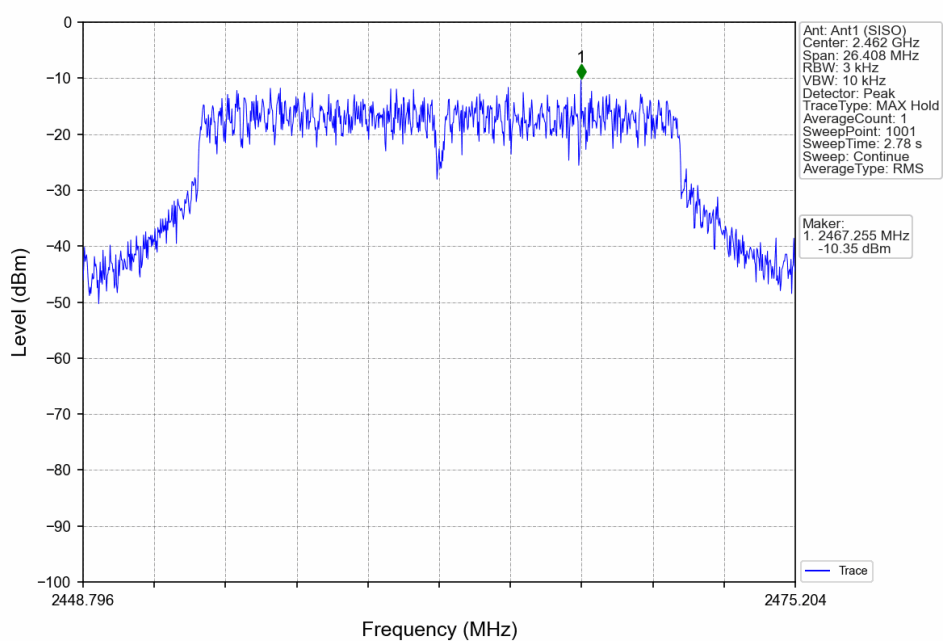
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



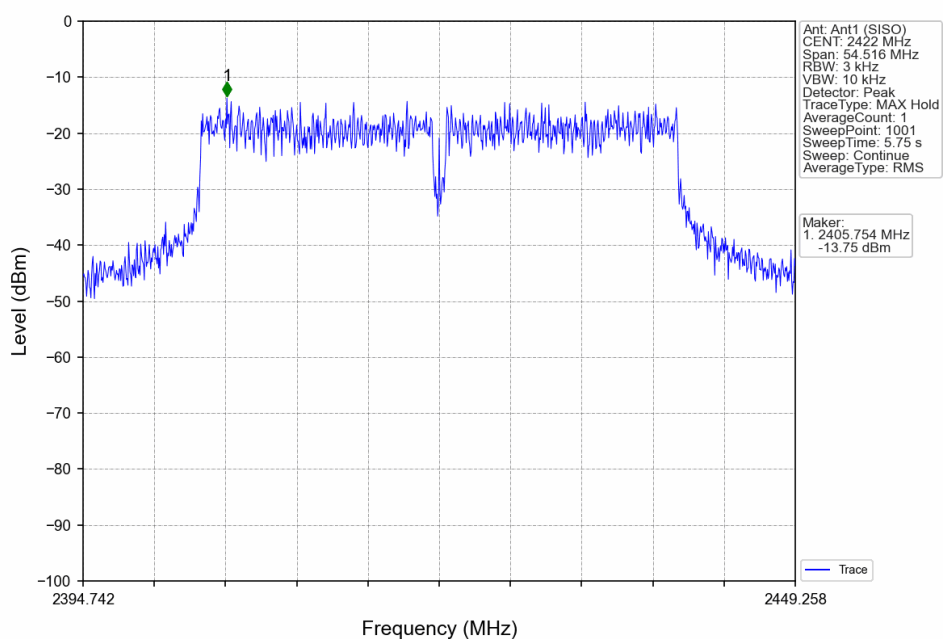
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



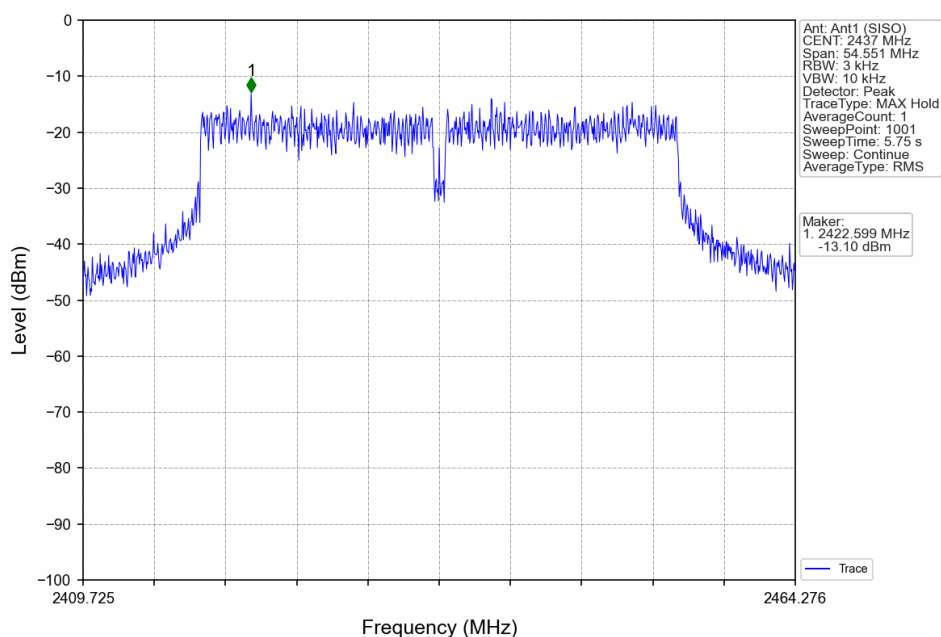
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



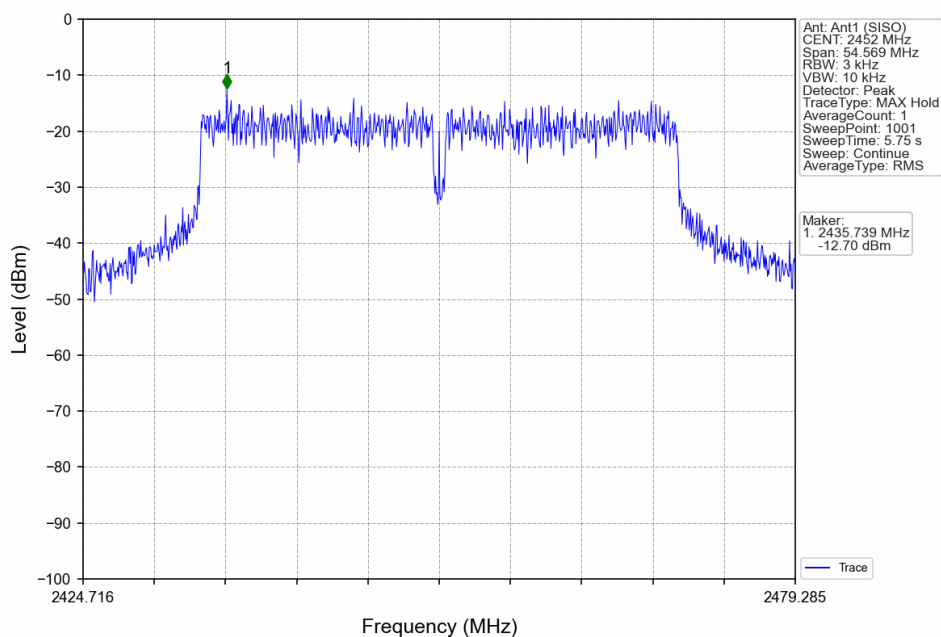
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



4. Unwanted Emissions In Non-restricted Frequency Bands

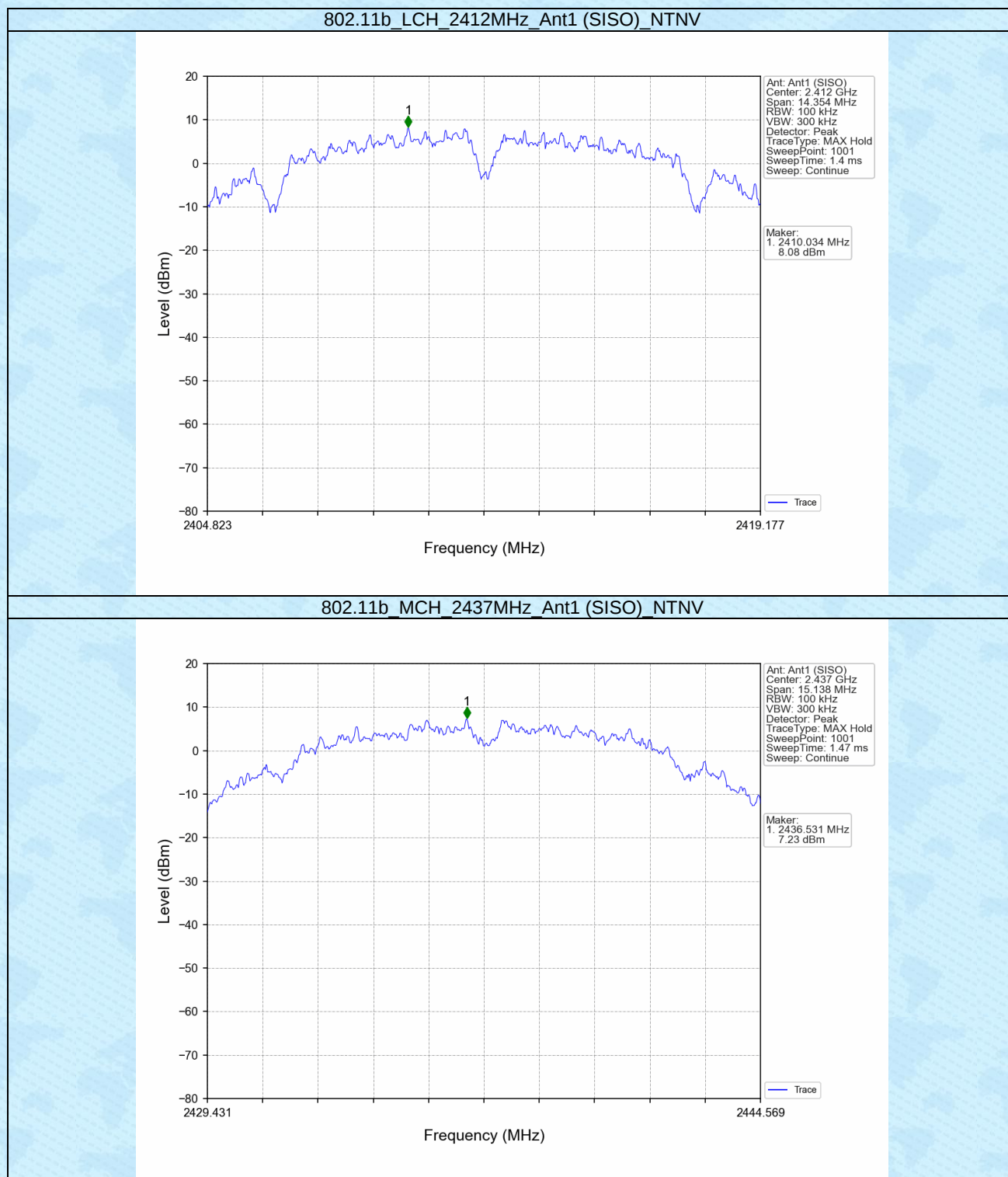
4.1 Ref

4.1.1 Test Result

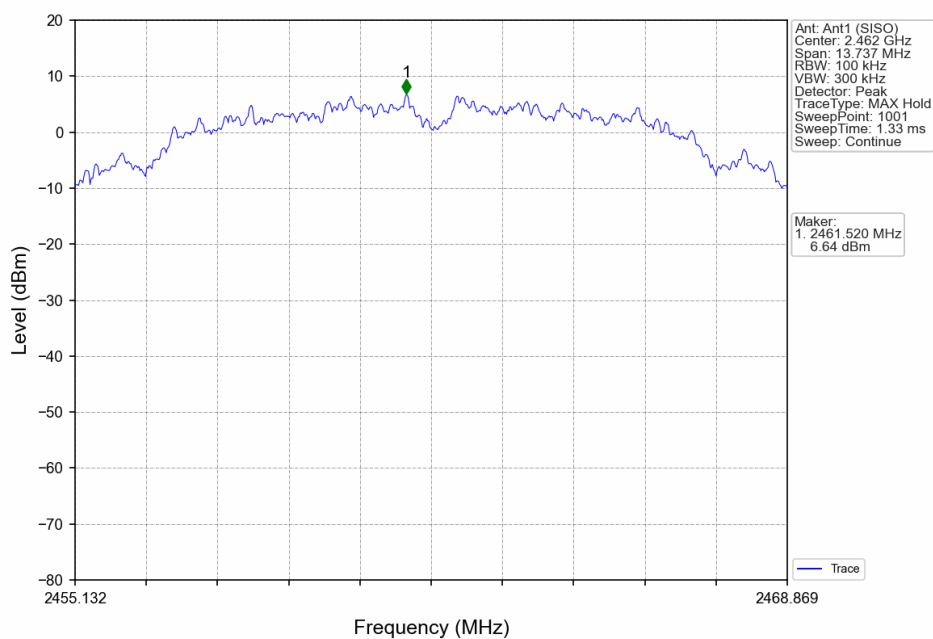
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	8.08
		2437	1	7.23
		2462	1	6.64
802.11g	SISO	2412	1	1.42
		2437	1	0.98
		2462	1	0.86
802.11n (HT20)	SISO	2412	1	1.19
		2437	1	0.65
		2462	1	0.76
802.11n (HT40)	SISO	2422	1	2.16
		2437	1	1.49
		2452	1	2.00

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.

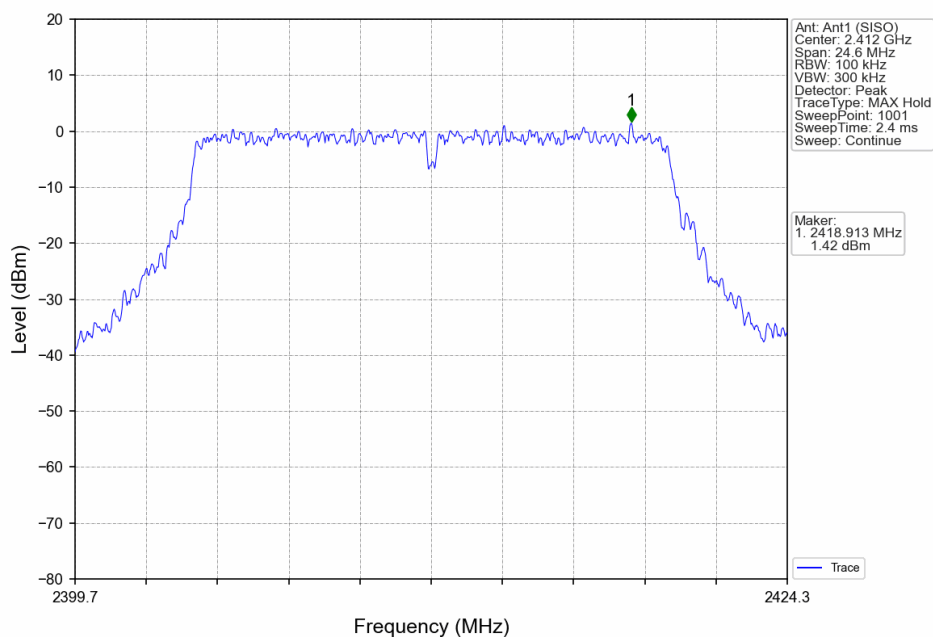
4.1.2 Test Graph



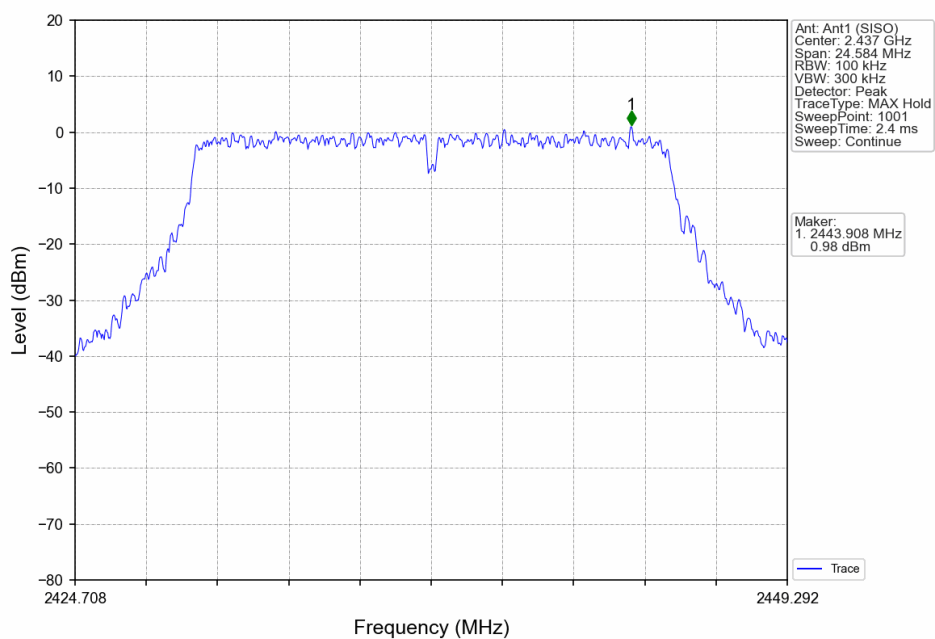
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



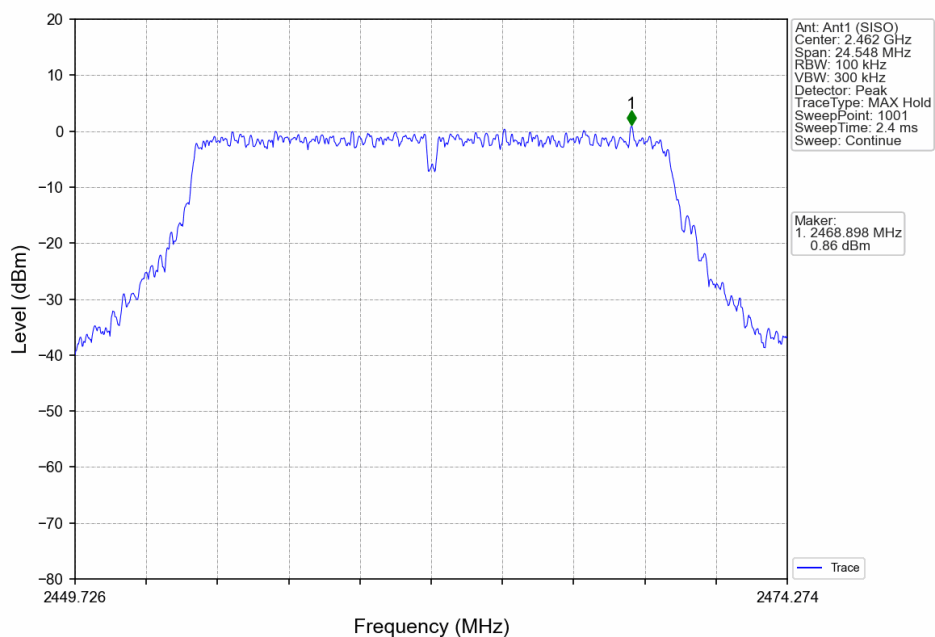
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



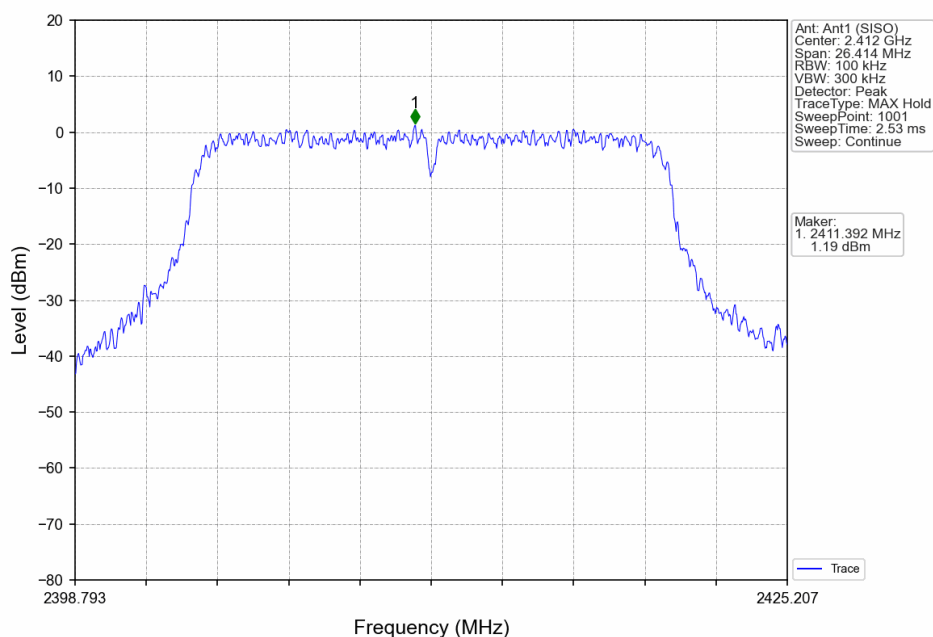
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



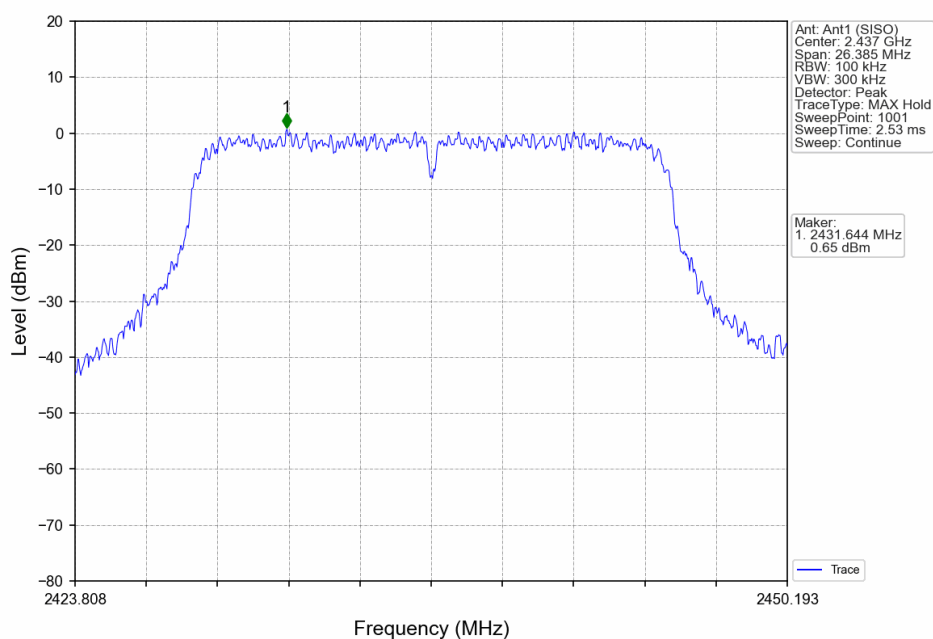
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



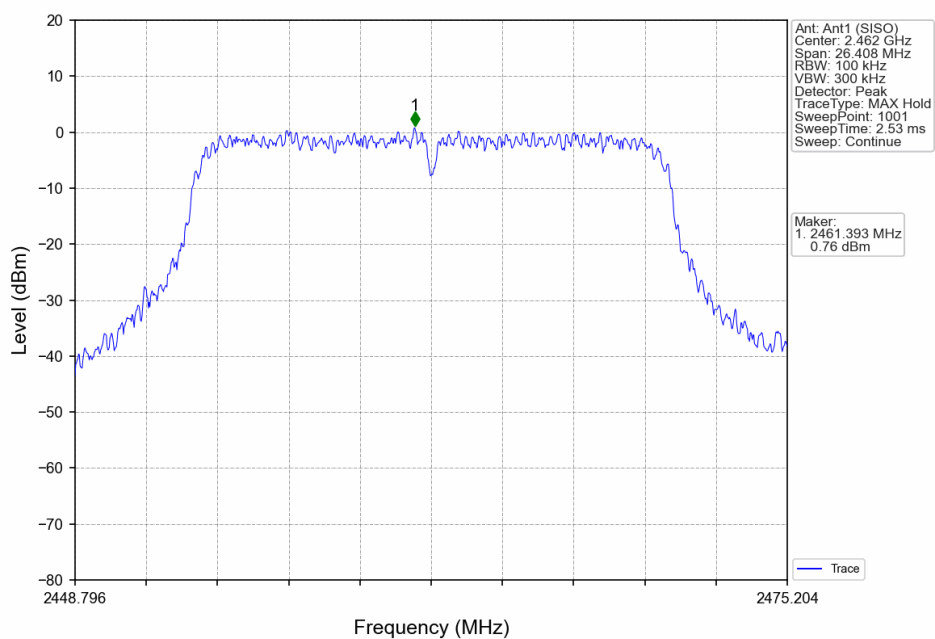
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



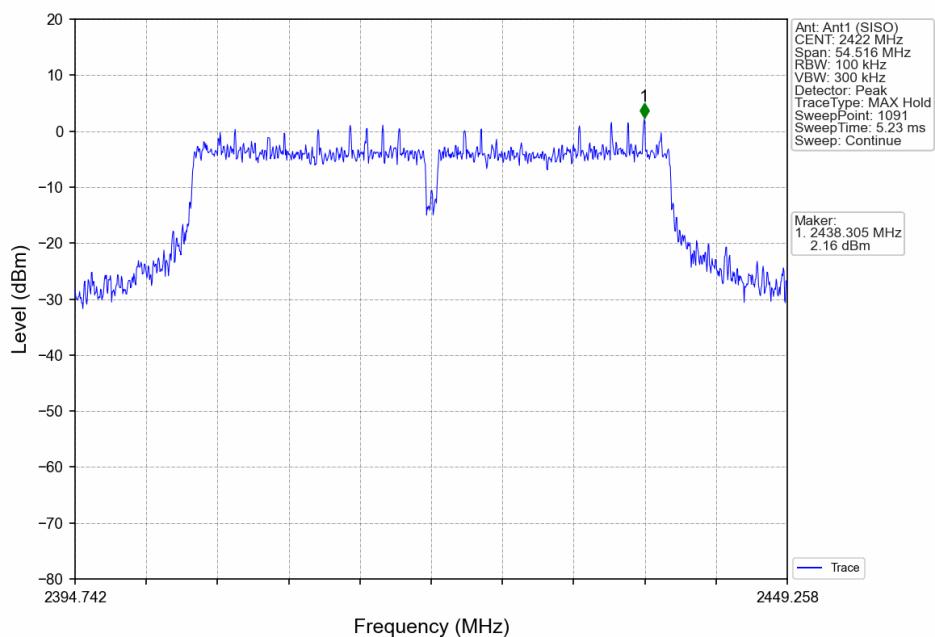
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



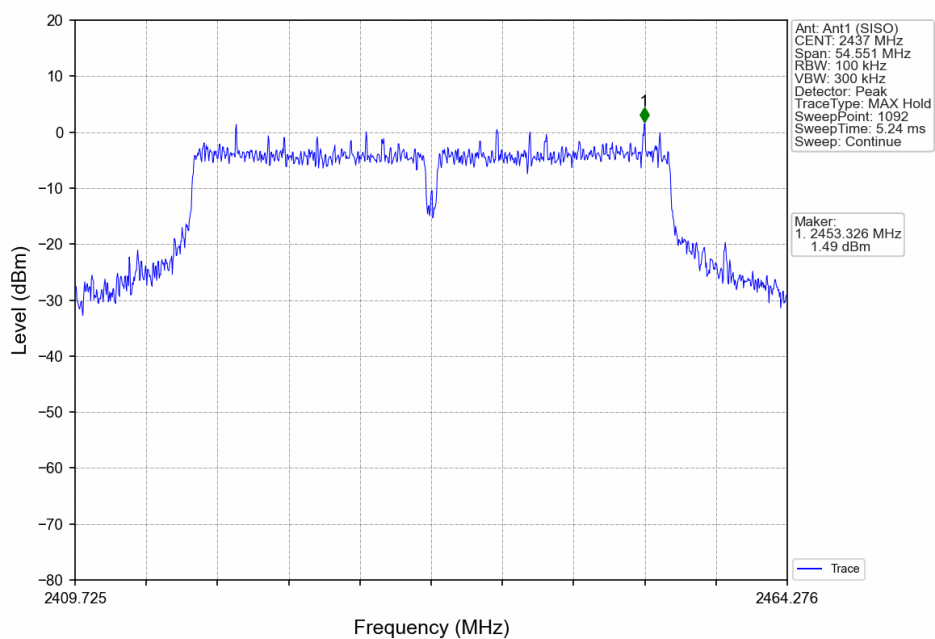
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



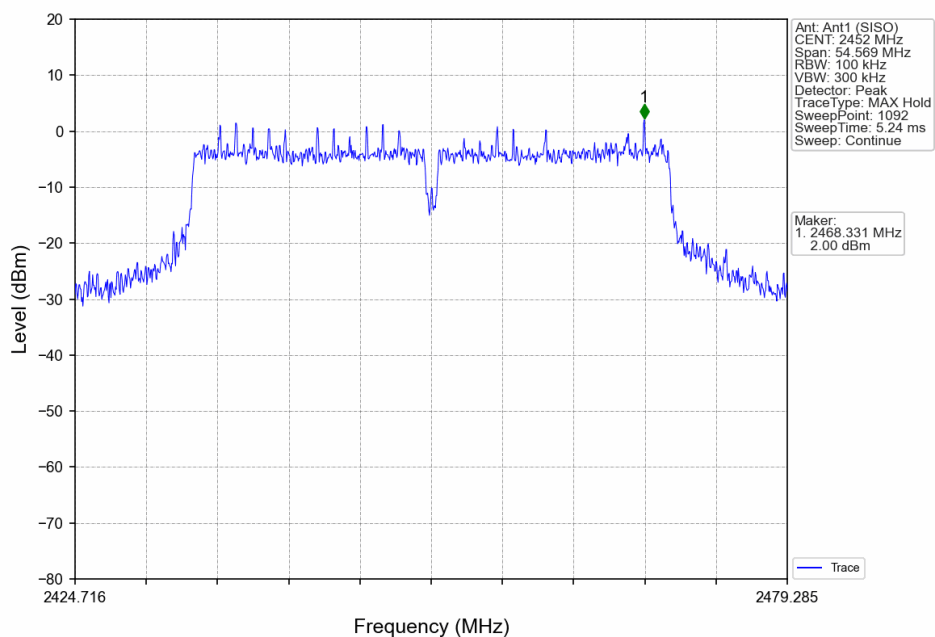
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



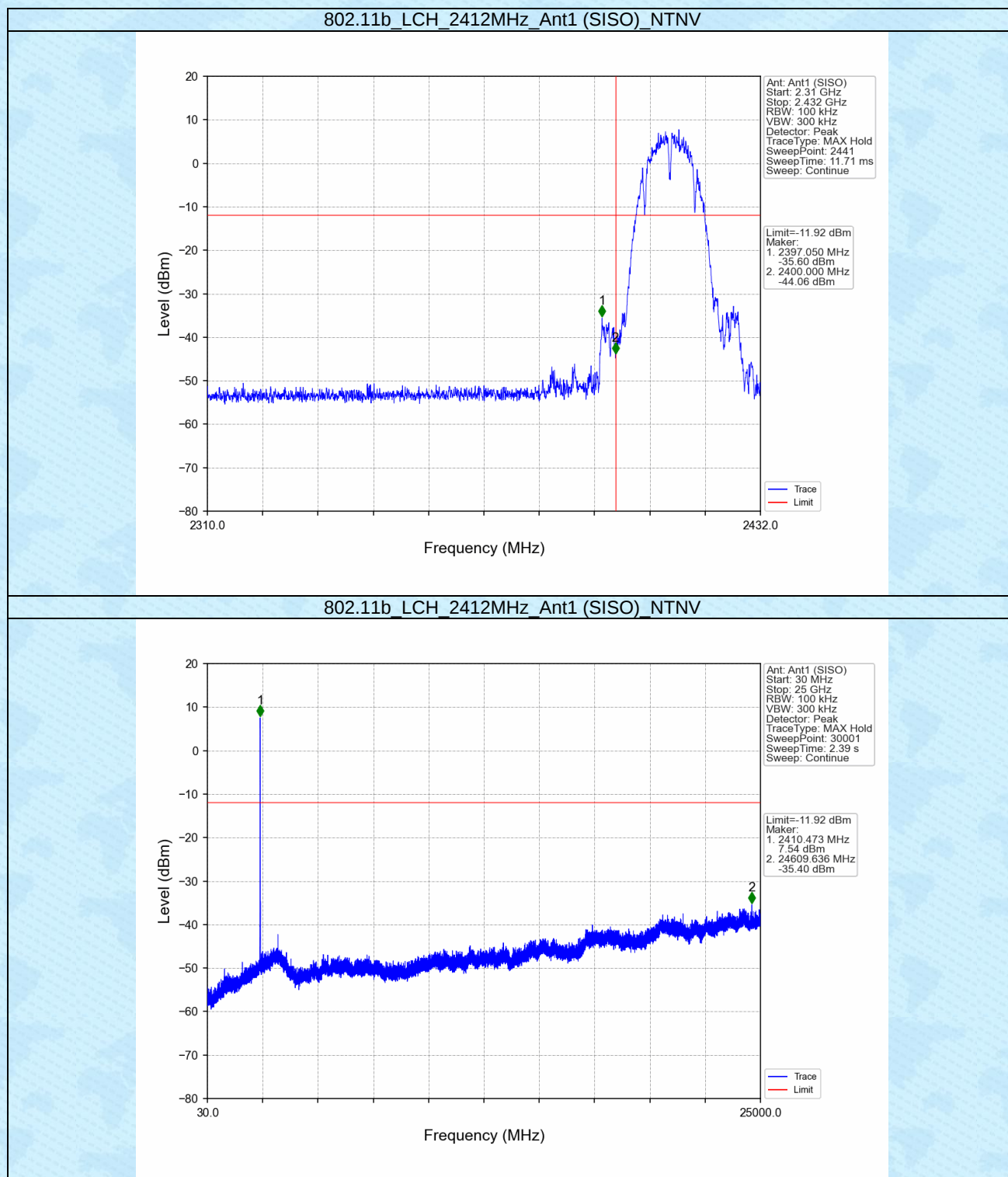
4.2 CSE

4.2.1 Test Result

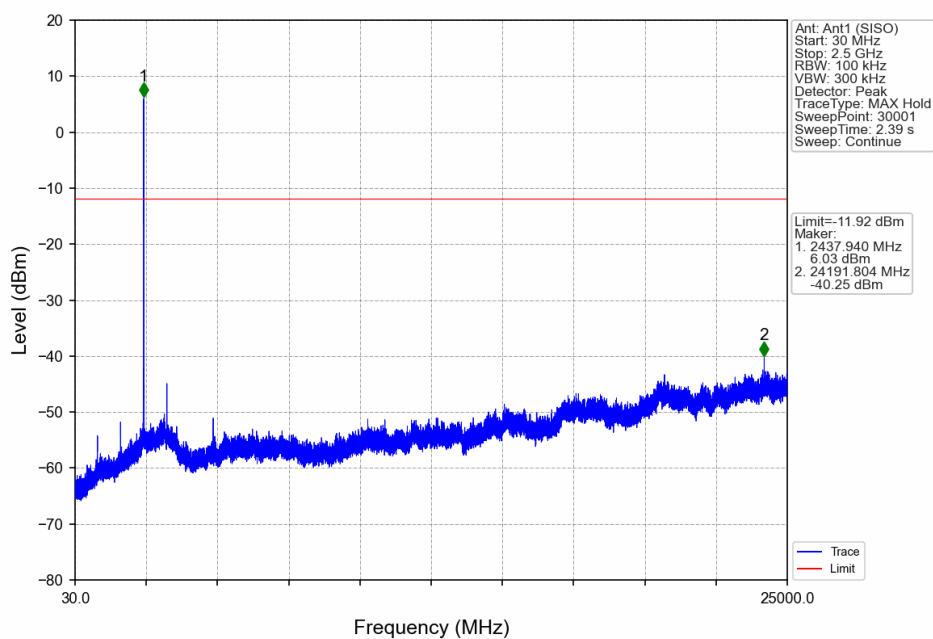
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	8.08	-11.92	Pass
		2437	1	8.08	-11.92	Pass
		2462	1	8.08	-11.92	Pass
802.11g	SISO	2412	1	1.42	-18.58	Pass
		2437	1	1.42	-18.58	Pass
		2462	1	1.42	-18.58	Pass
802.11n (HT20)	SISO	2412	1	1.19	-18.81	Pass
		2437	1	1.19	-18.81	Pass
		2462	1	1.19	-18.81	Pass
802.11n (HT40)	SISO	2422	1	2.16	-17.84	Pass
		2437	1	2.16	-17.84	Pass
		2452	1	2.16	-17.84	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.

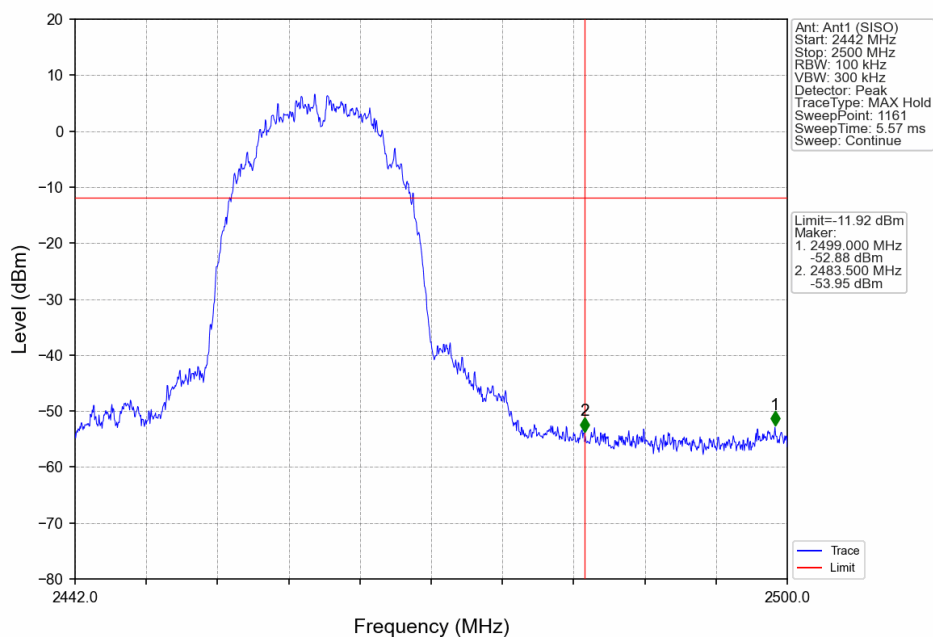
4.2.2 Test Graph



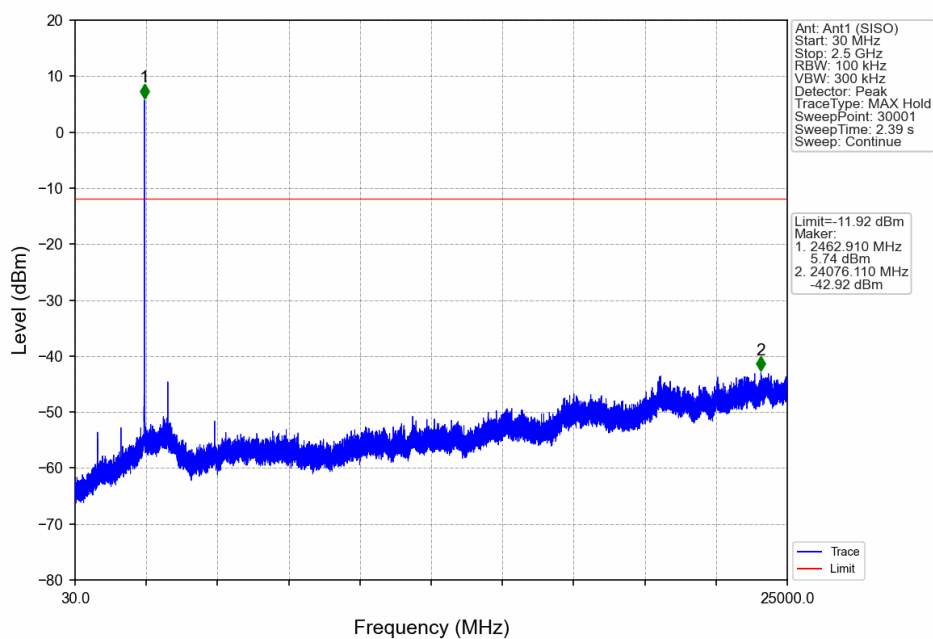
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



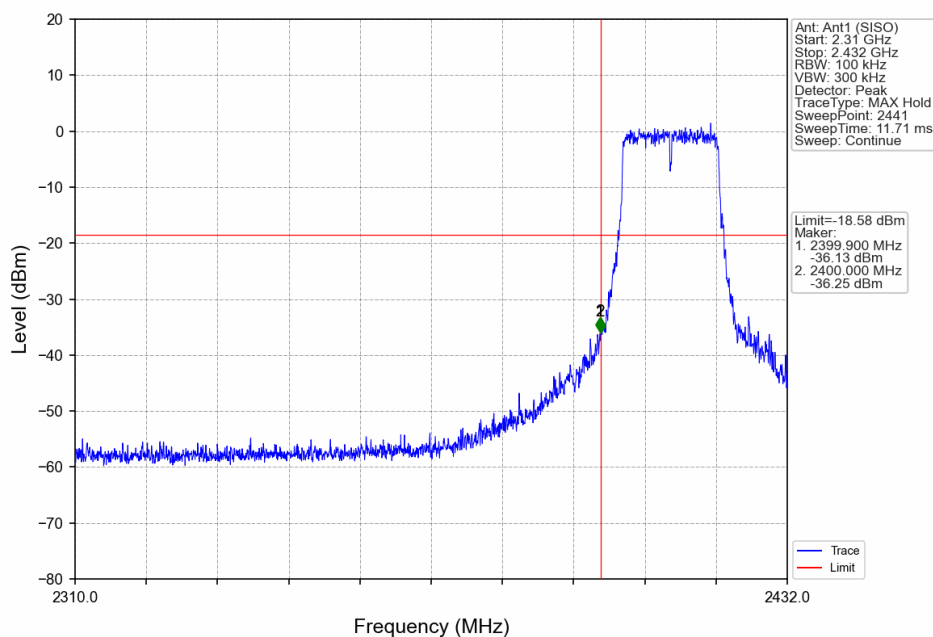
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



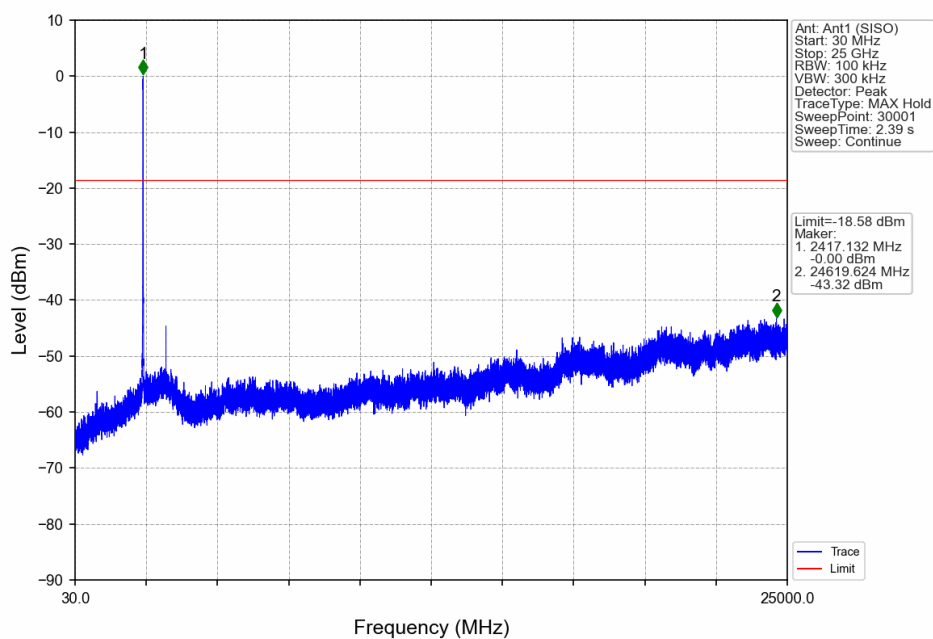
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



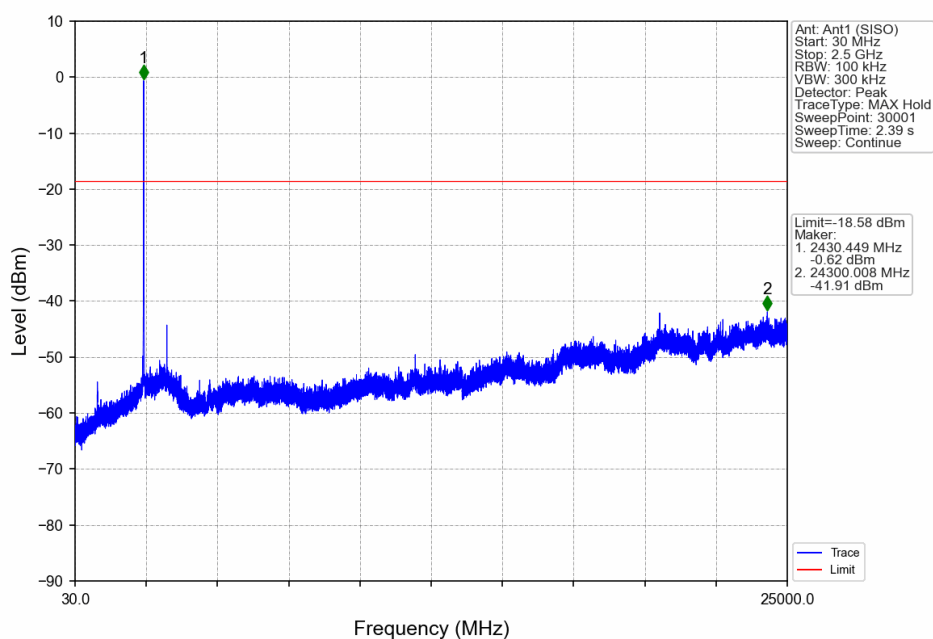
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



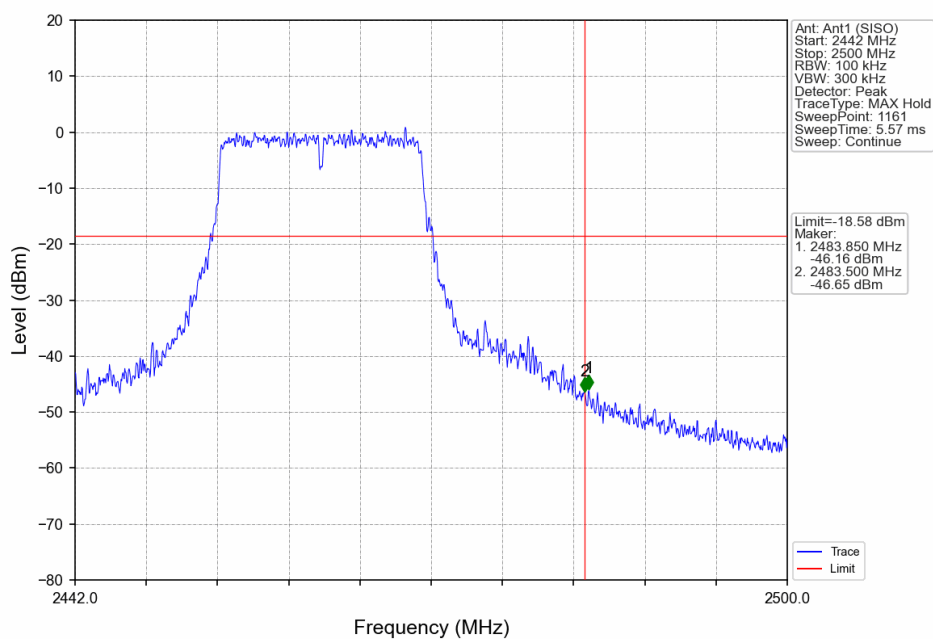
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



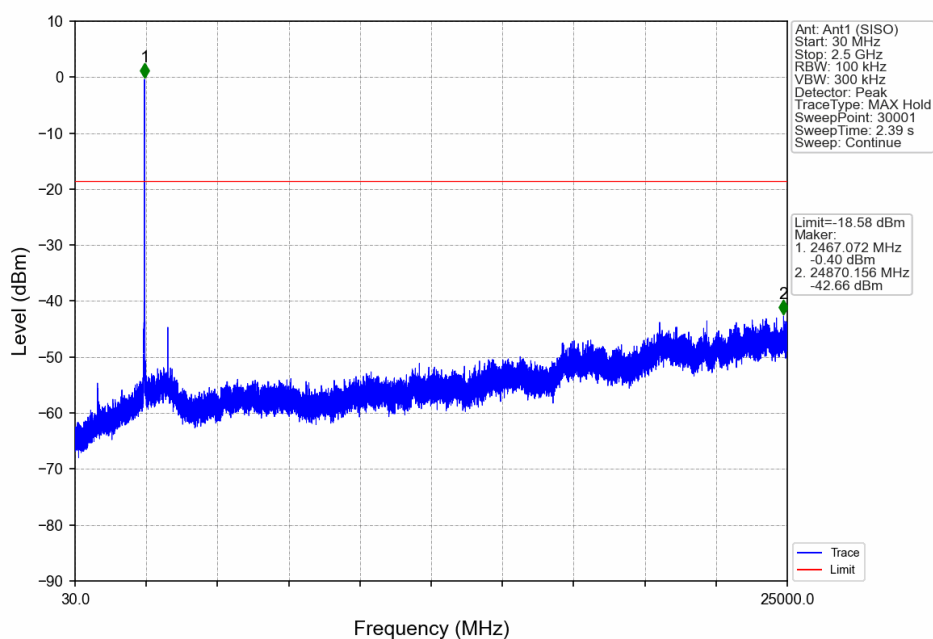
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



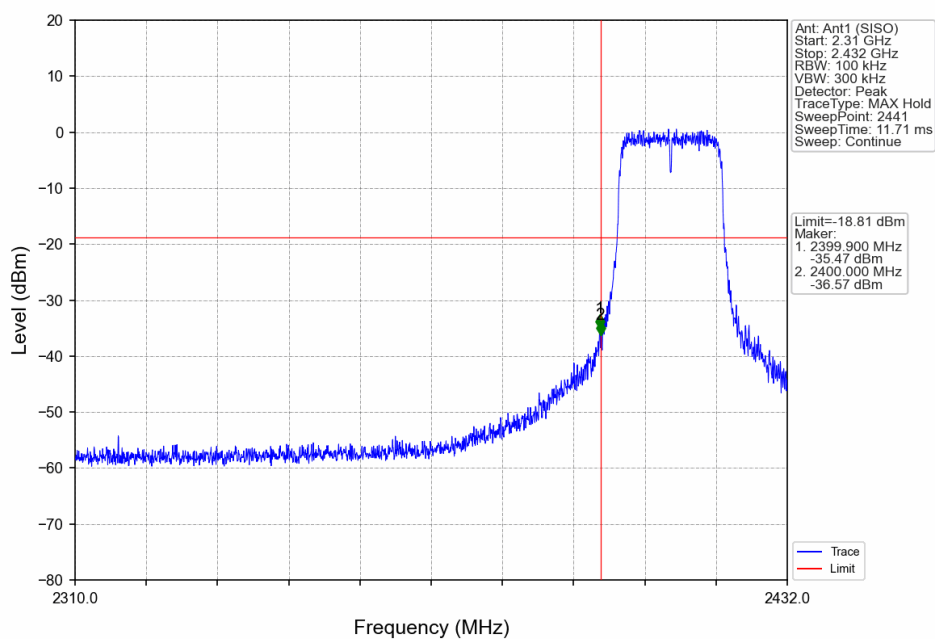
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



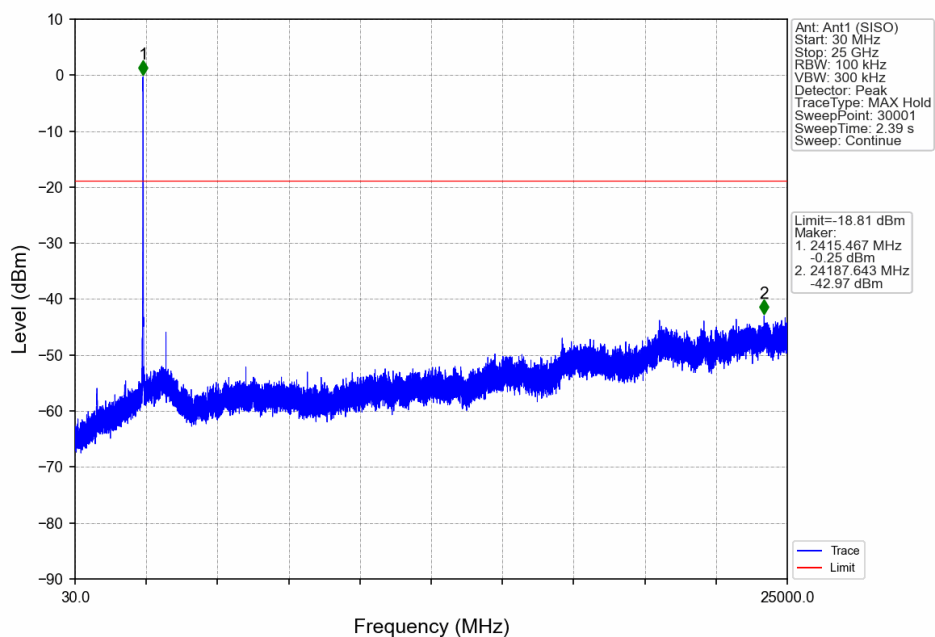
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



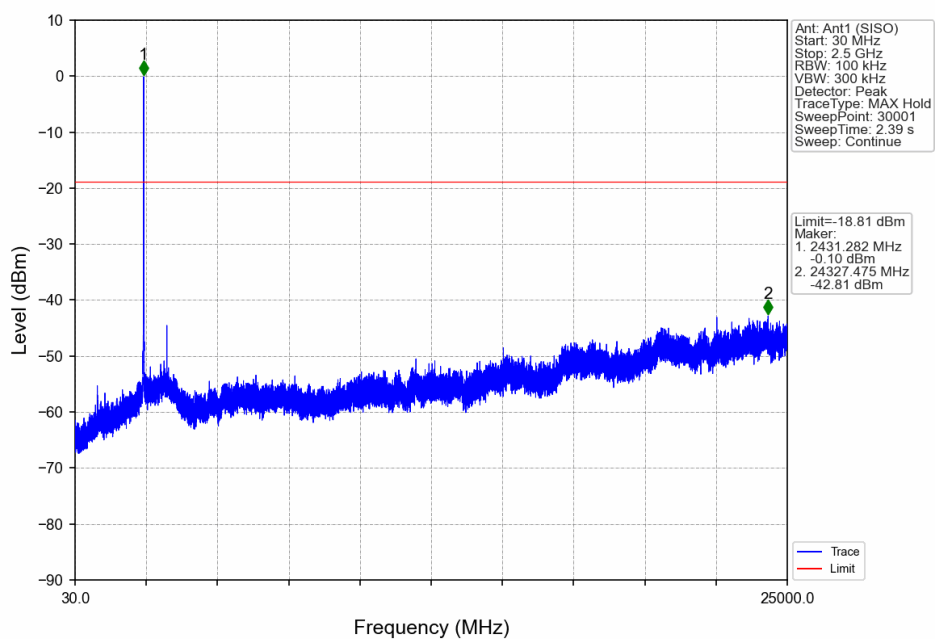
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



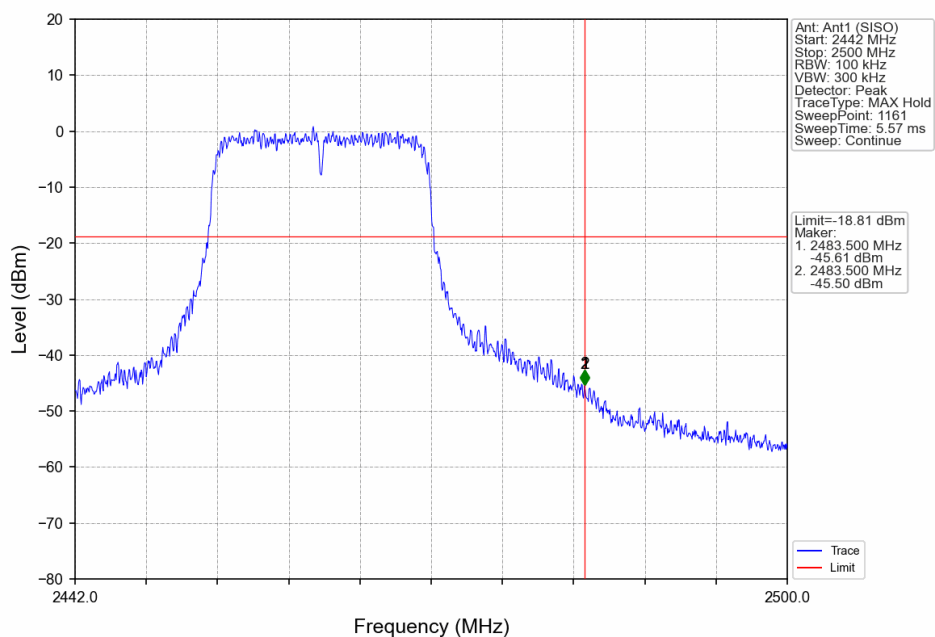
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



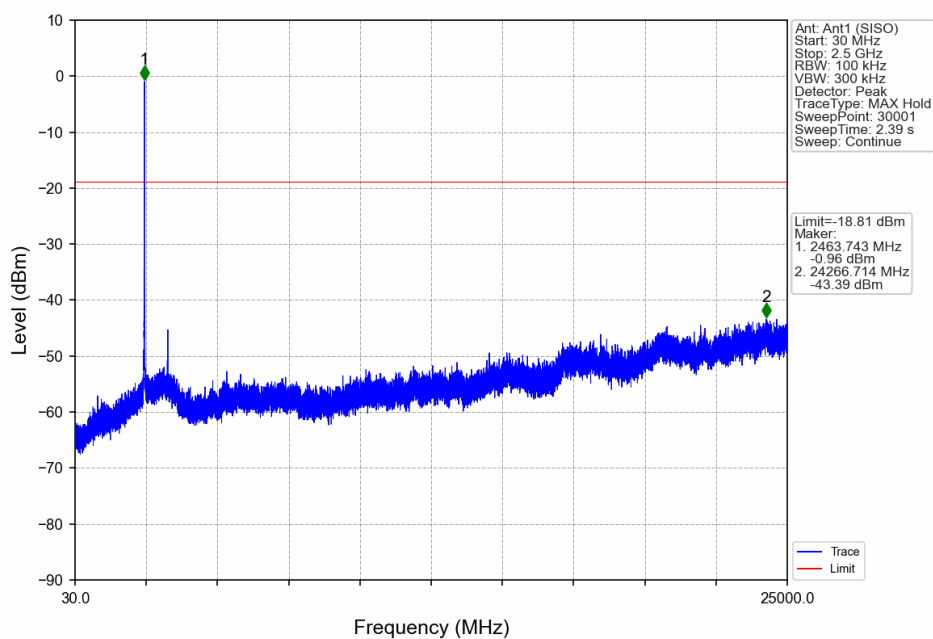
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



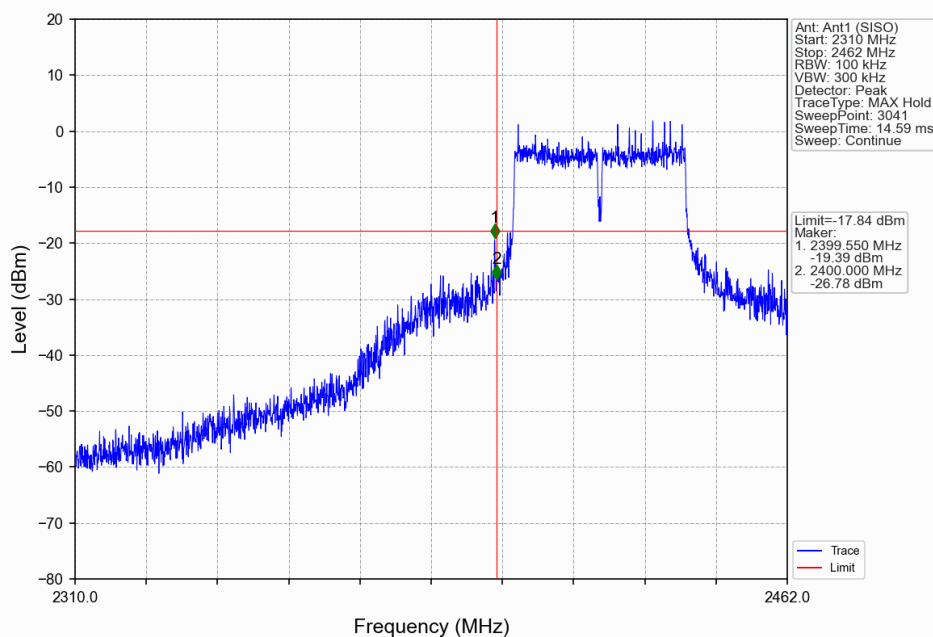
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



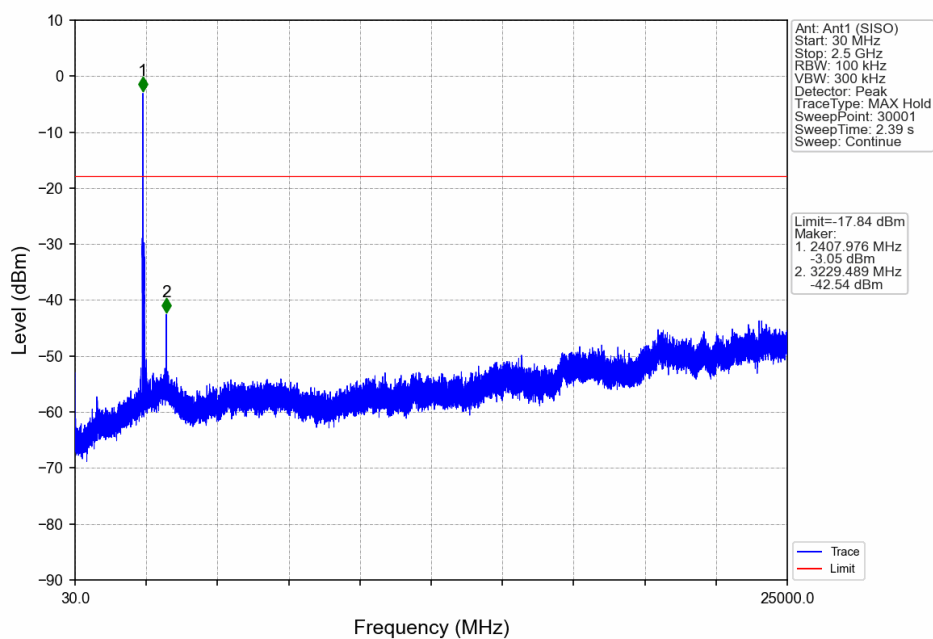
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



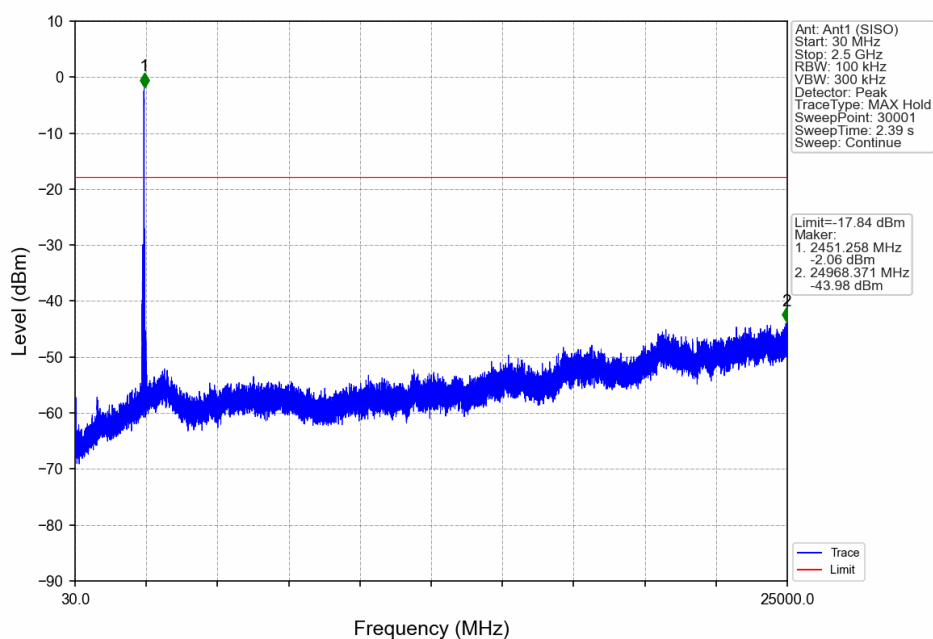
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



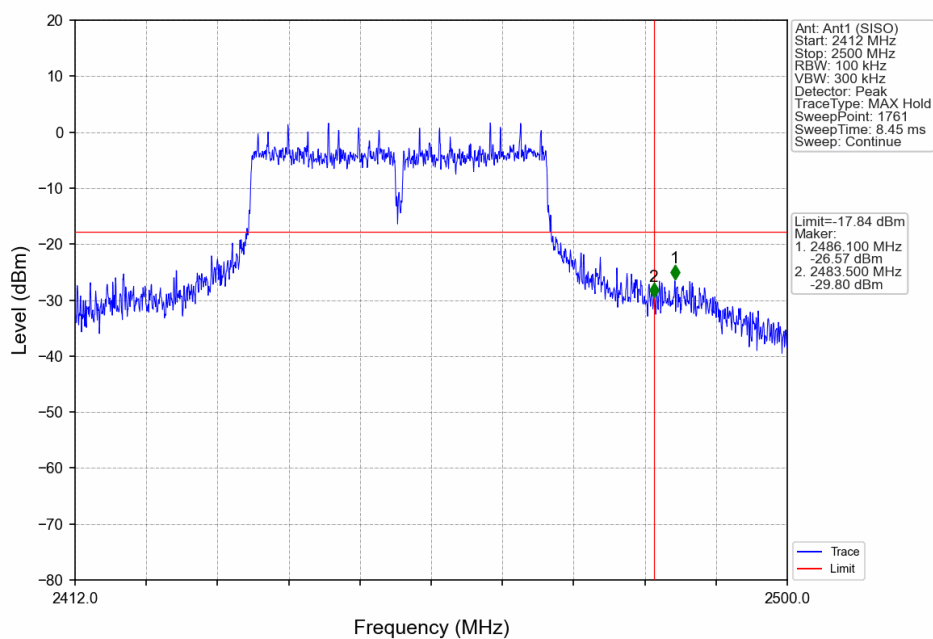
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



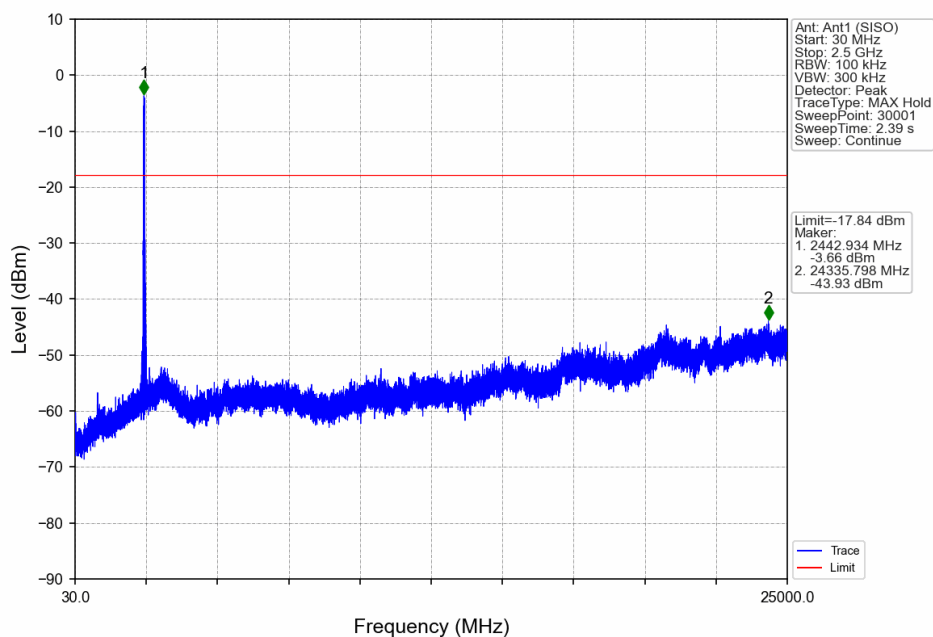
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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