

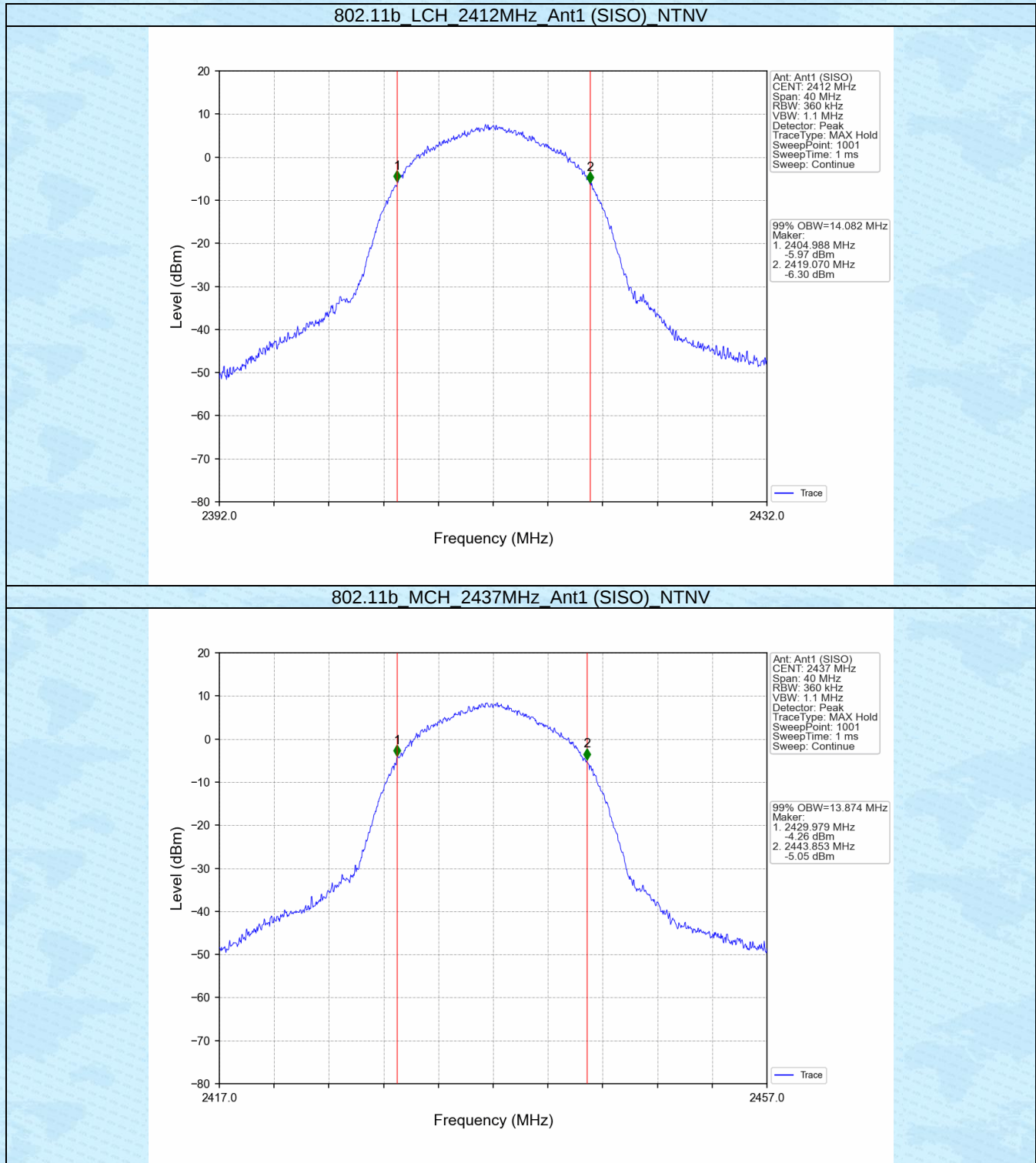
1. Bandwidth

1.1 OBW

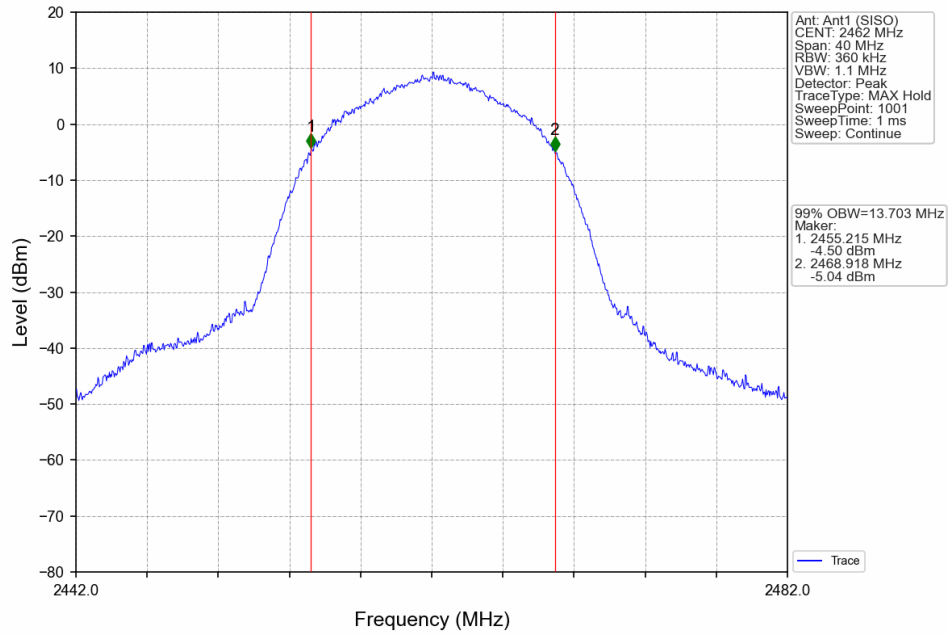
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	14.082	Pass
		2437	1	13.874	Pass
		2462	1	13.703	Pass
802.11g	SISO	2412	1	17.150	Pass
		2437	1	16.894	Pass
		2462	1	16.763	Pass
802.11n (HT20)	SISO	2412	1	18.133	Pass
		2437	1	17.908	Pass
		2462	1	17.772	Pass

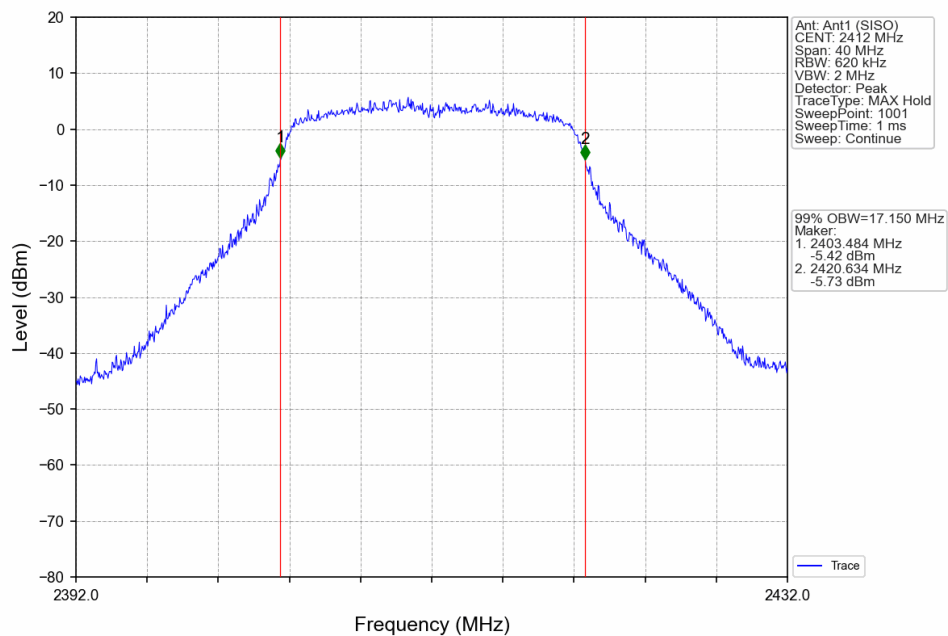
1.1.2 Test Graph



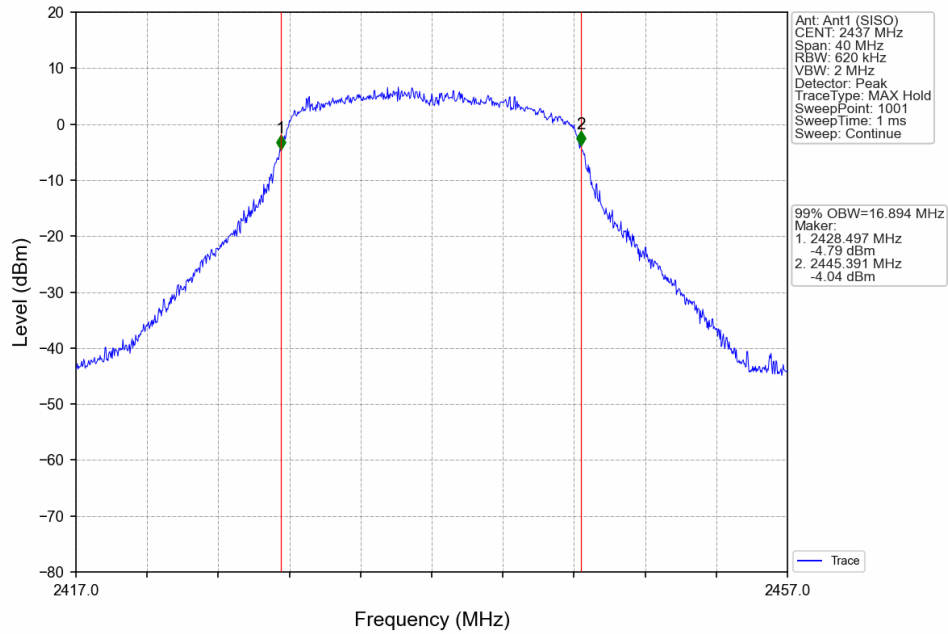
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



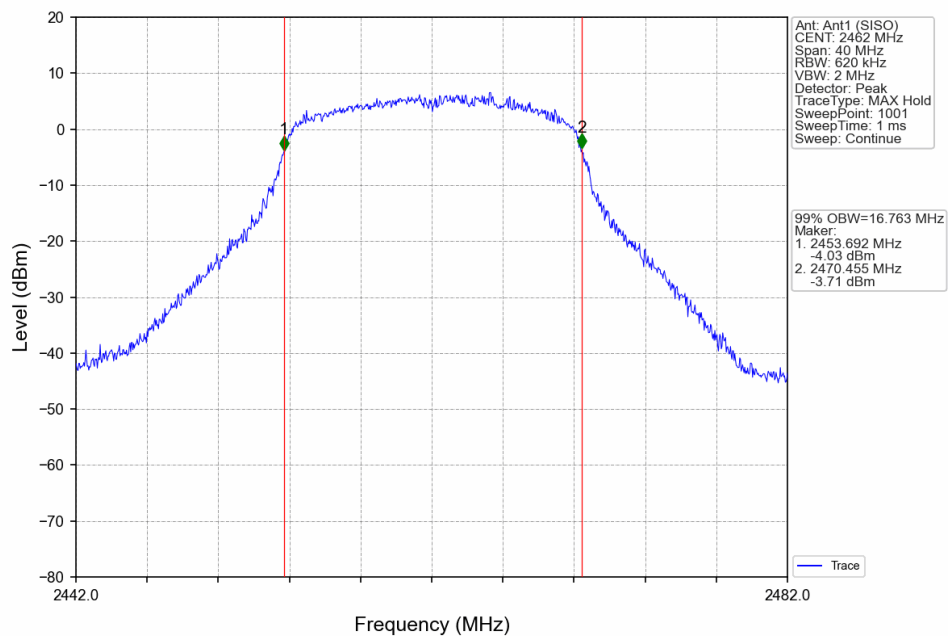
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



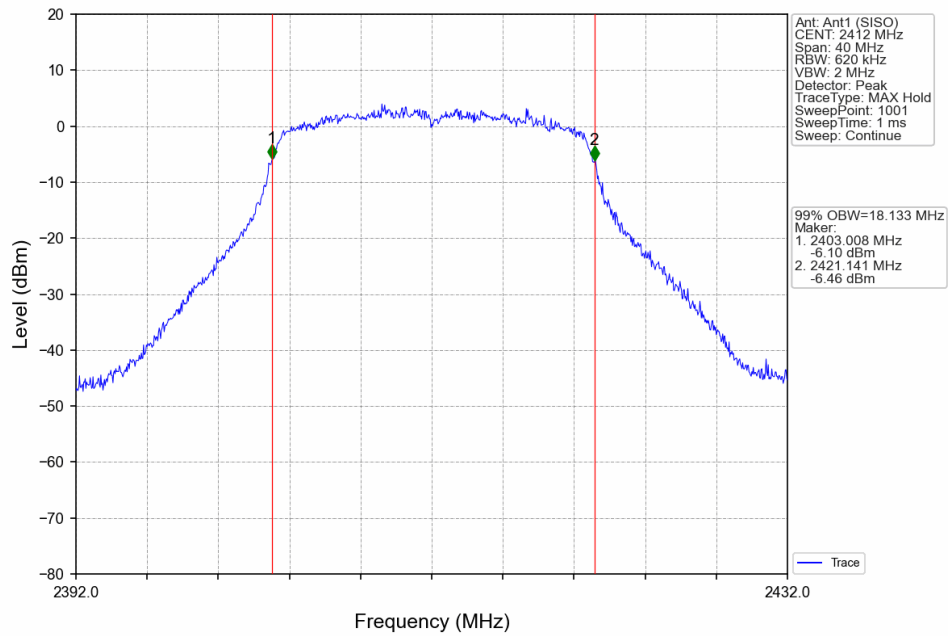
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



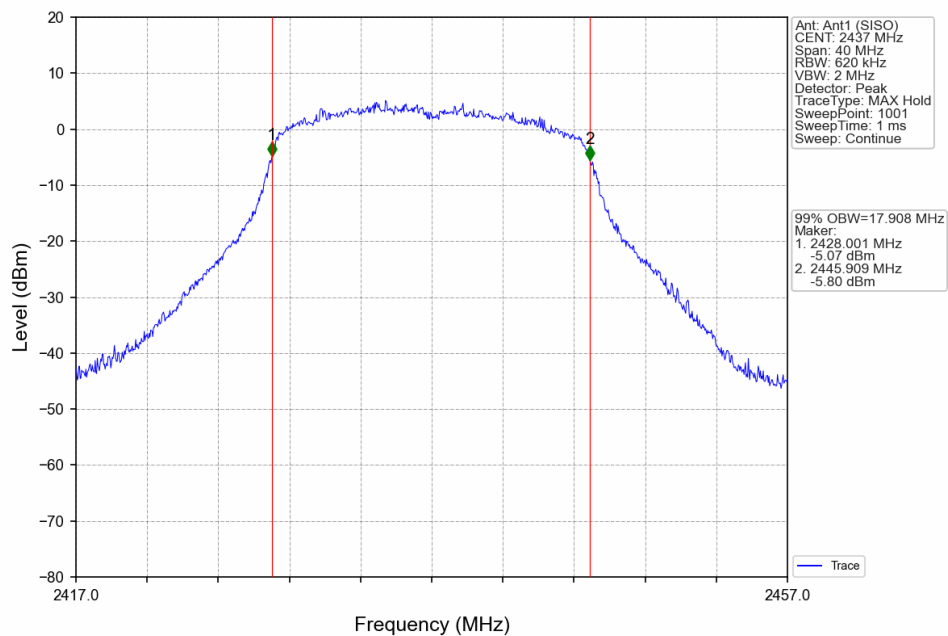
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

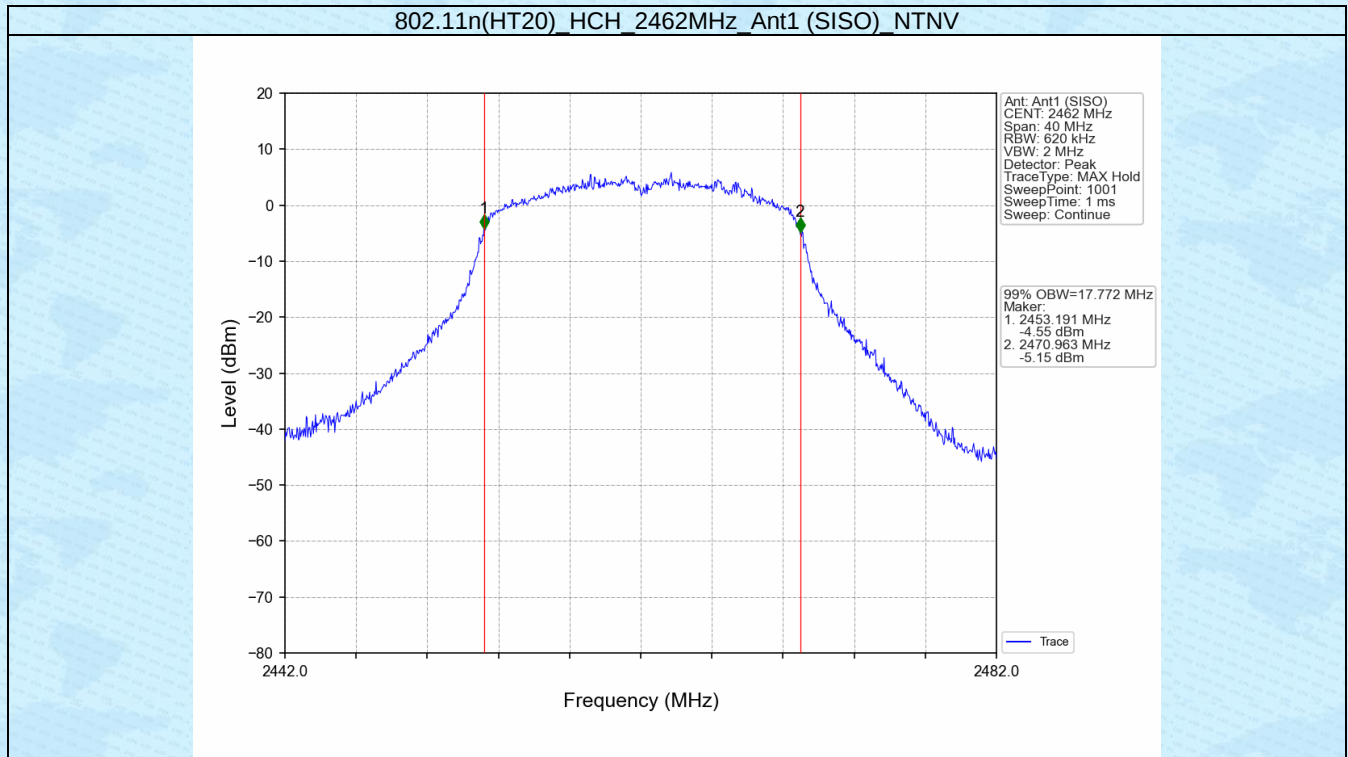


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



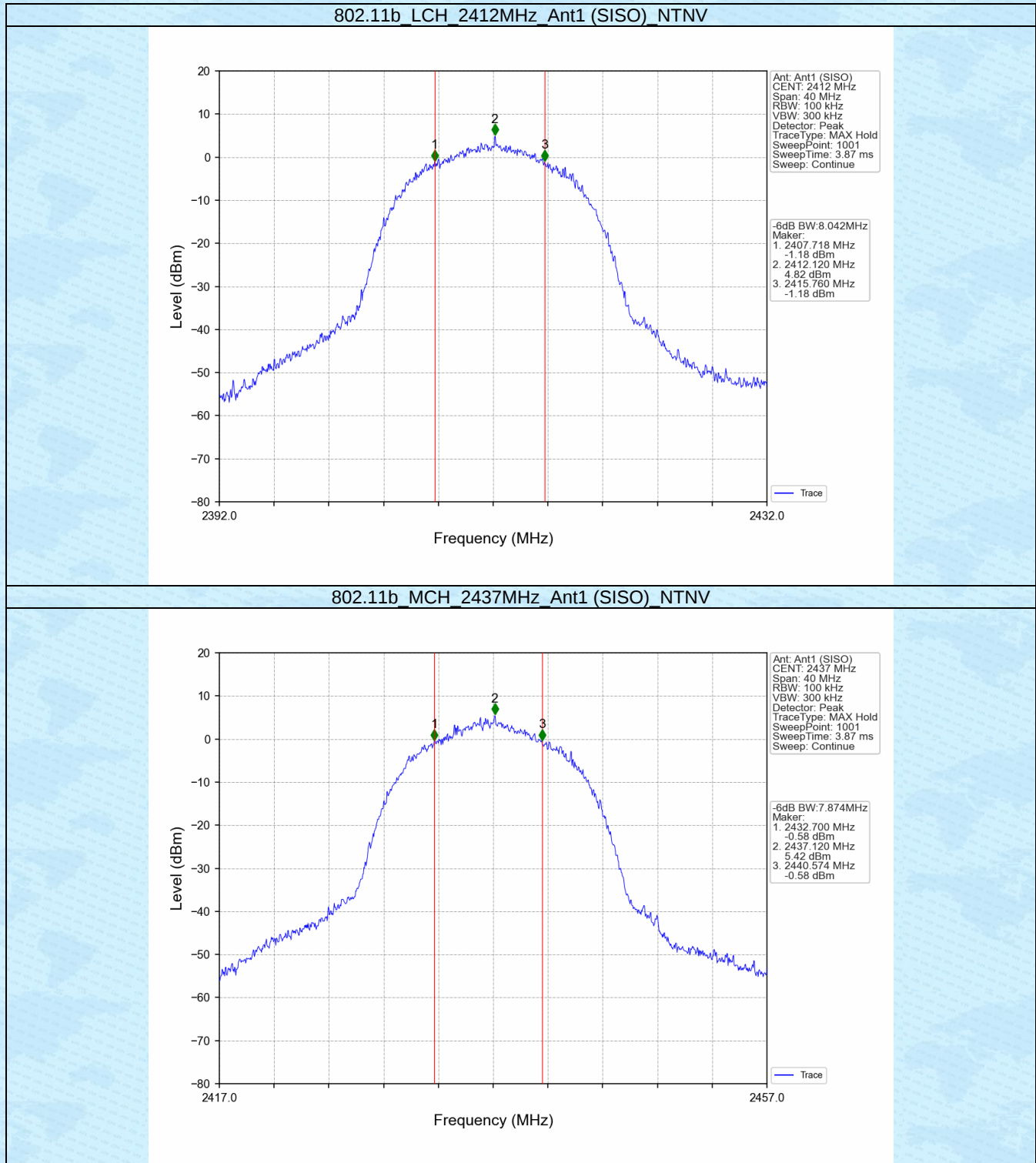


1.2 6dB BW

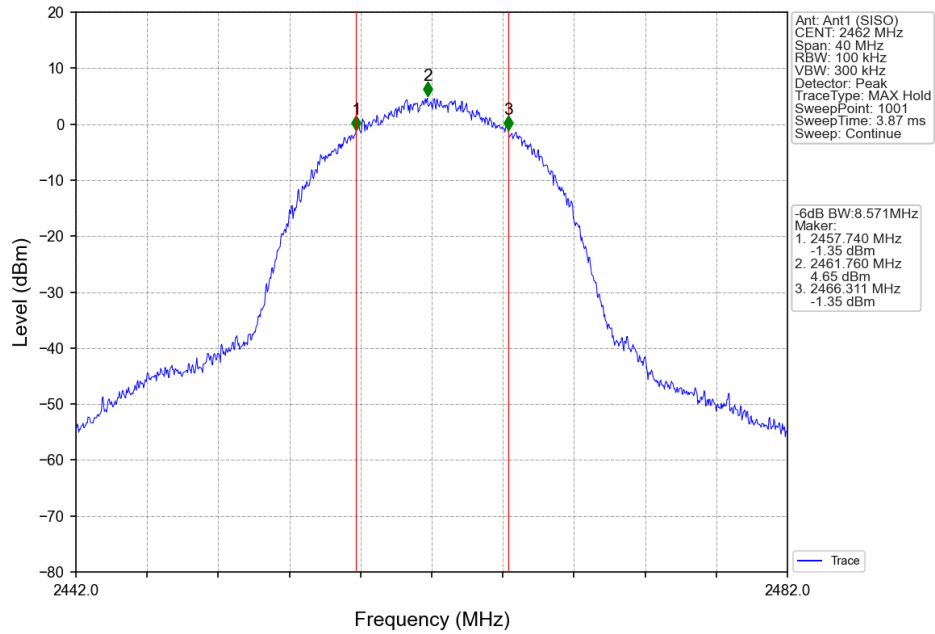
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.042	≥ 0.5	Pass
		2437	1	7.874	≥ 0.5	Pass
		2462	1	8.571	≥ 0.5	Pass
802.11g	SISO	2412	1	16.384	≥ 0.5	Pass
		2437	1	15.734	≥ 0.5	Pass
		2462	1	15.406	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.443	≥ 0.5	Pass
		2437	1	16.065	≥ 0.5	Pass
		2462	1	15.131	≥ 0.5	Pass

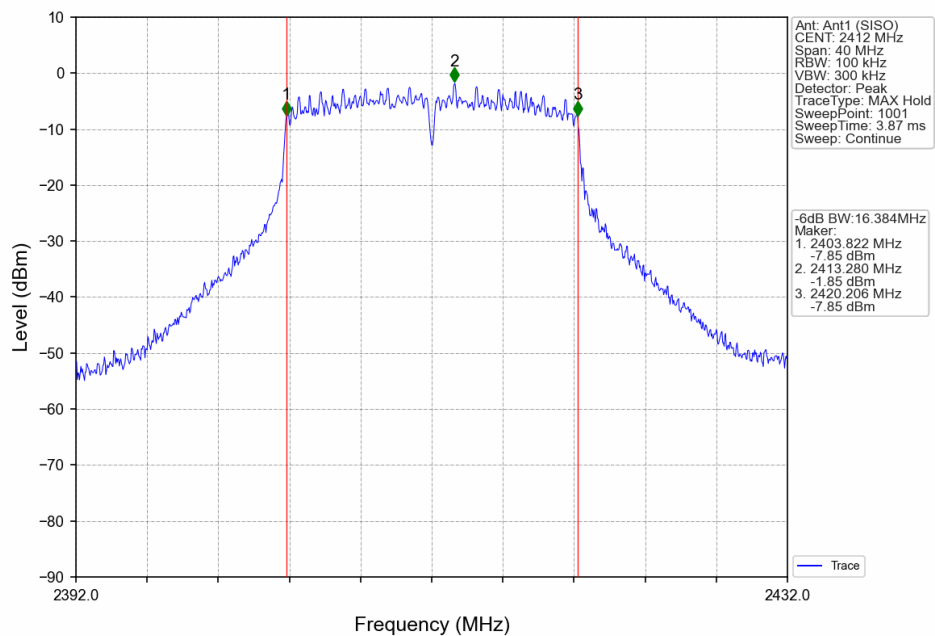
1.2.2 Test Graph



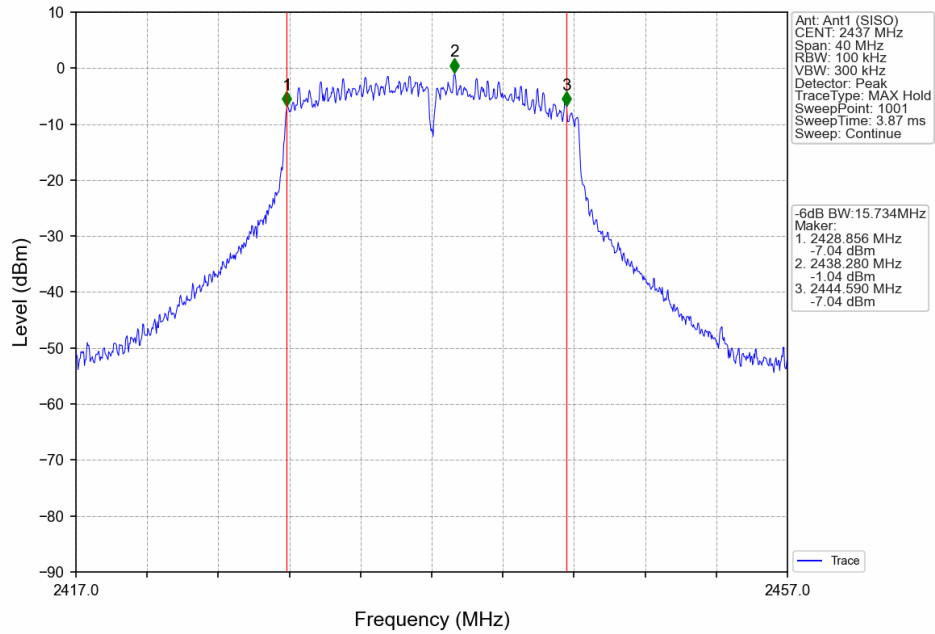
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



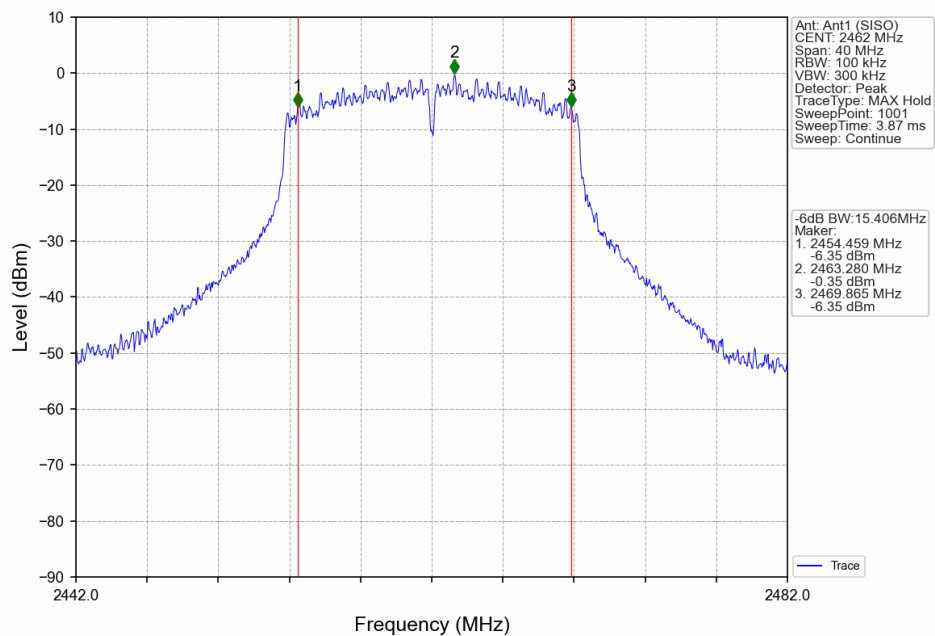
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



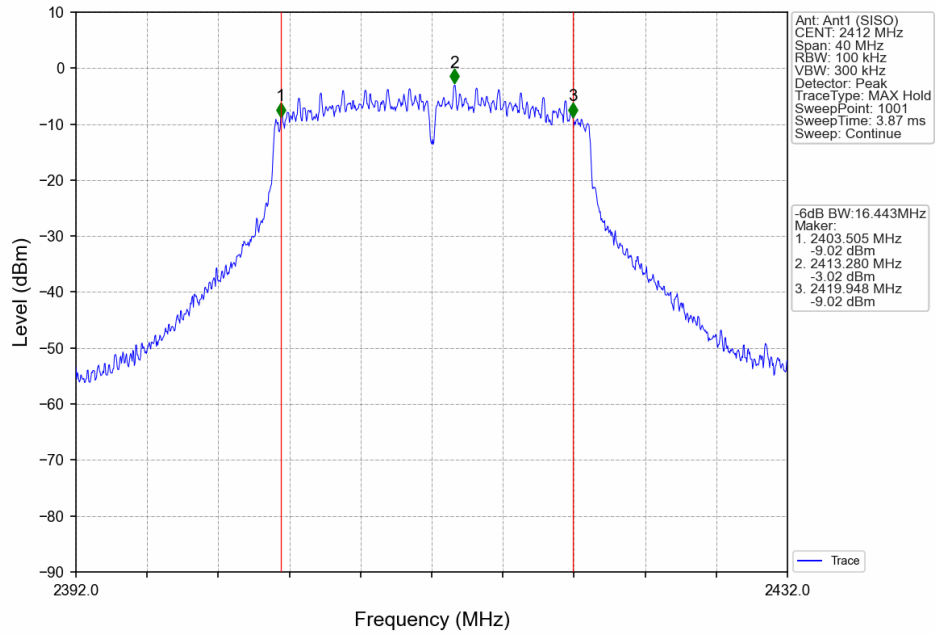
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



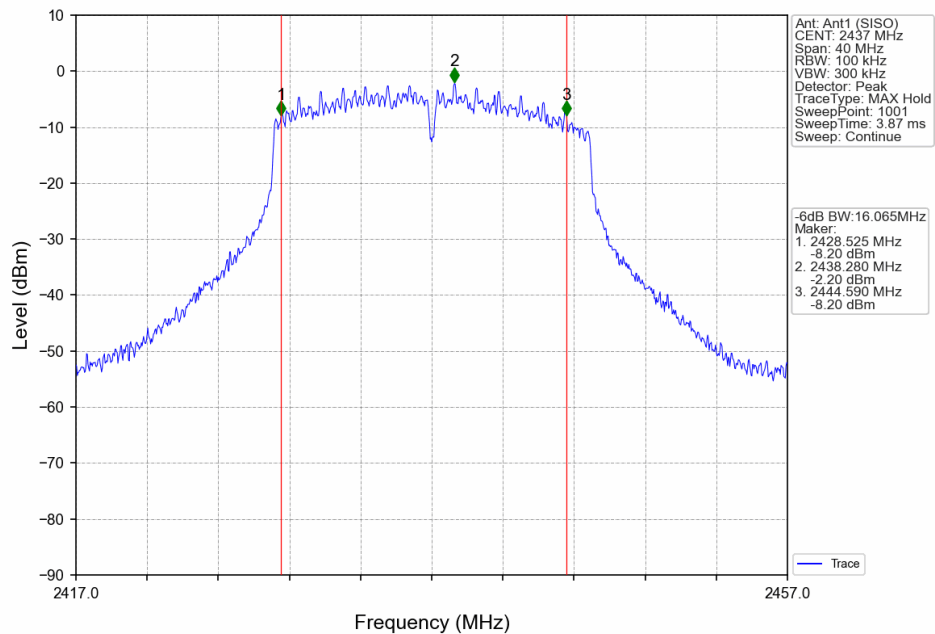
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

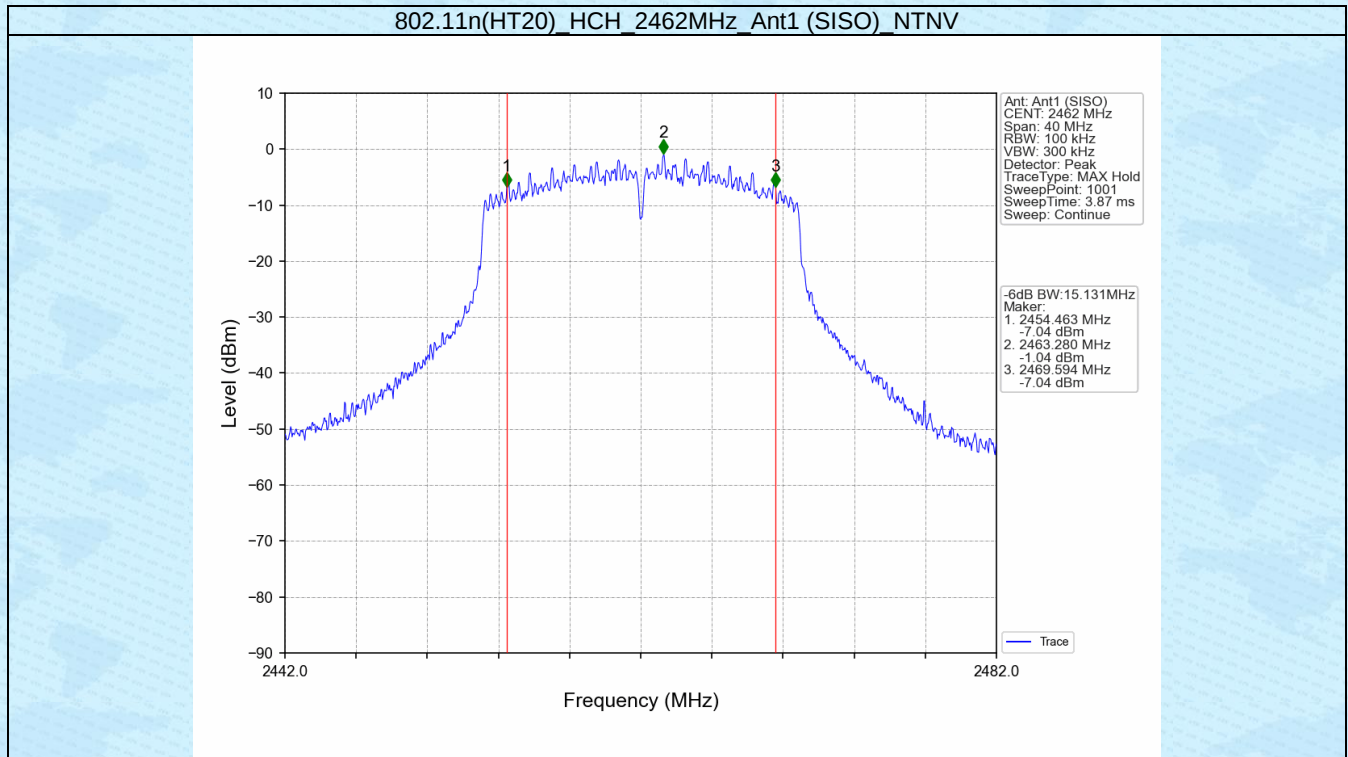


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Peak Power(dBm)	Average Power(dBm)	Limit	Verdict
802.11b	SISO		19.38	17.17	<=30	Pass
		2437	19.33	17.13	<=30	Pass
		2462	19.25	17.03	<=30	Pass
802.11g	SISO	2412	22.40	13.35	<=30	Pass
		2437	21.75	13.05	<=30	Pass
		2462	21.82	13.02	<=30	Pass
802.11n (HT20)	SISO	2412	20.62	12.20	<=30	Pass
		2437	22.34	12.25	<=30	Pass
		2462	21.24	12.33	<=30	Pass

Note1: Antenna Gain: Ant1: 3.70dBi;

3. Maximum Power Spectral Density

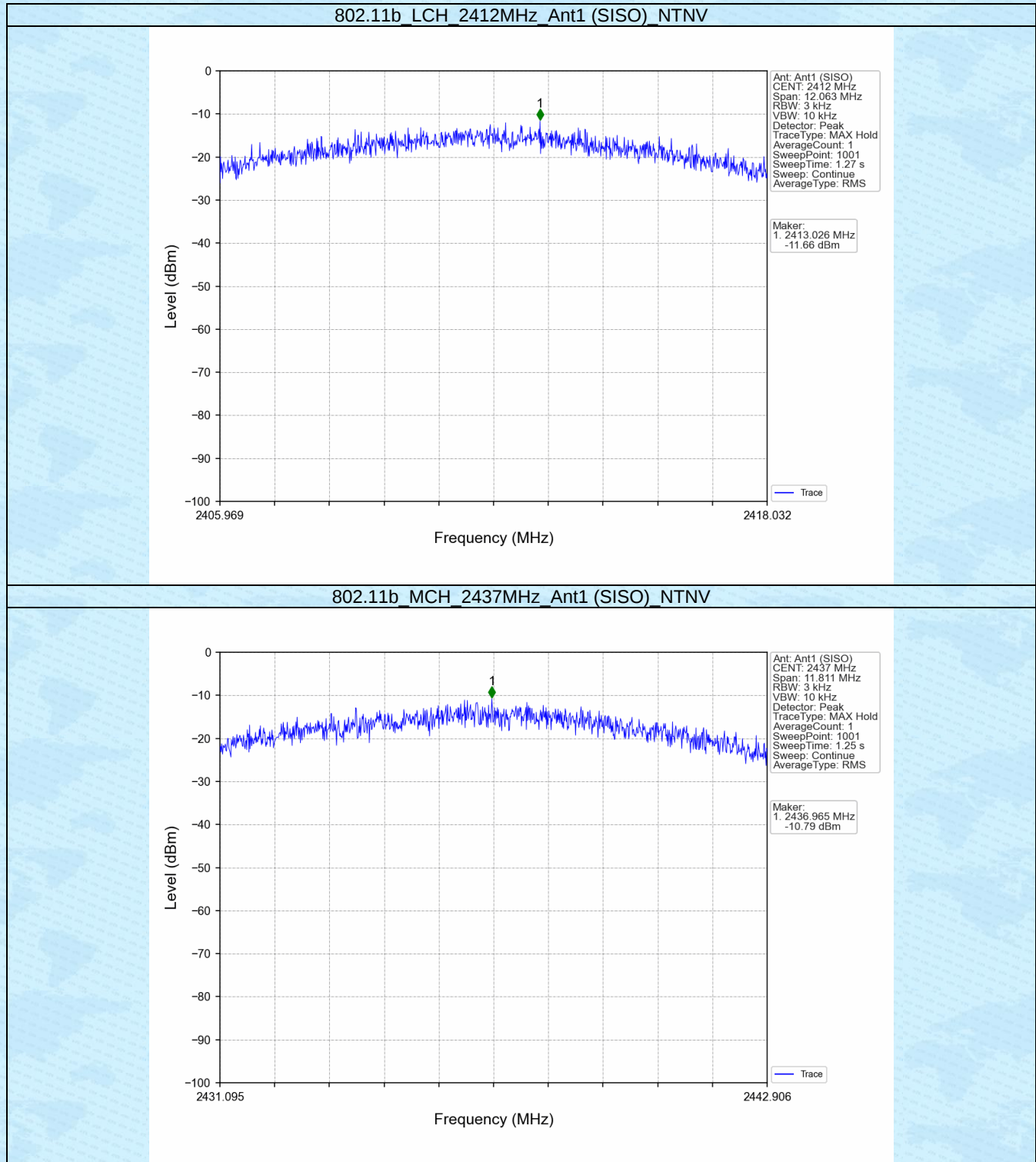
3.1 PSD

3.1.1 Test Result

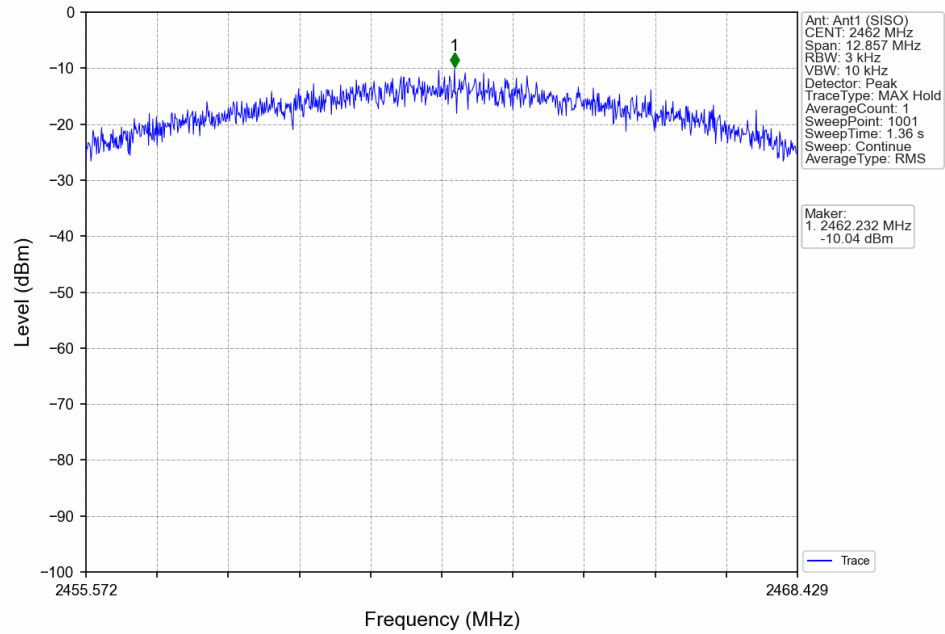
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-11.66	<=8	Pass
		2437	-10.79	<=8	Pass
		2462	-10.04	<=8	Pass
802.11g	SISO	2412	-17.27	<=8	Pass
		2437	-16.27	<=8	Pass
		2462	-15.60	<=8	Pass
802.11n (HT20)	SISO	2412	-17.23	<=8	Pass
		2437	-16.85	<=8	Pass
		2462	-15.12	<=8	Pass

Note1: Antenna Gain: Ant1: 3.70dBi;

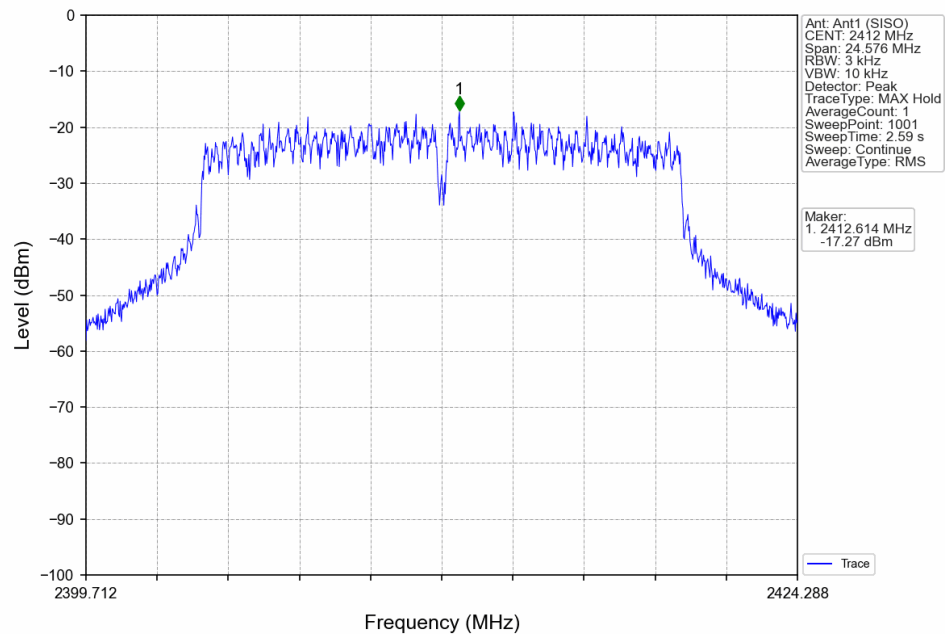
3.1.2 Test Graph



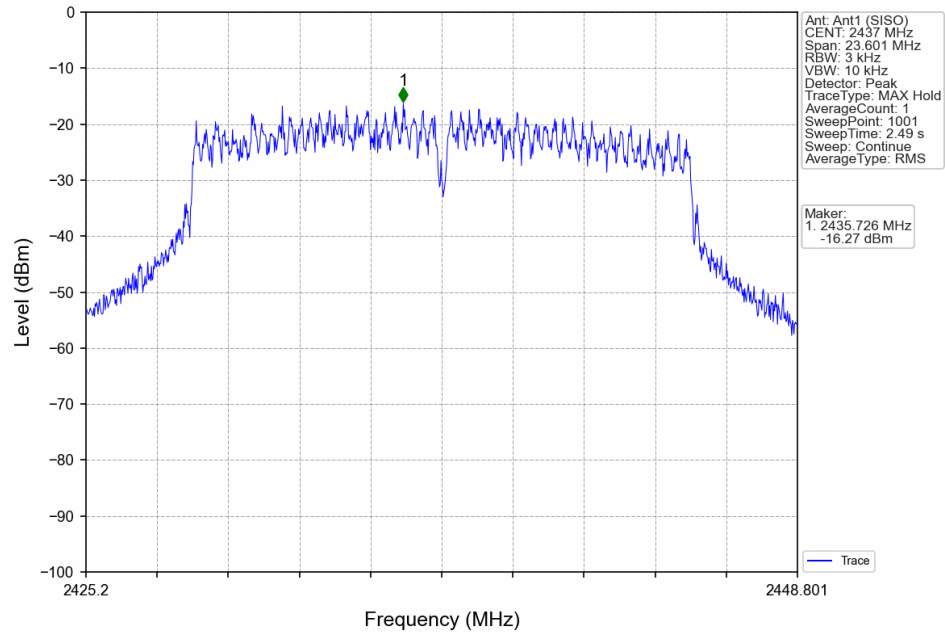
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



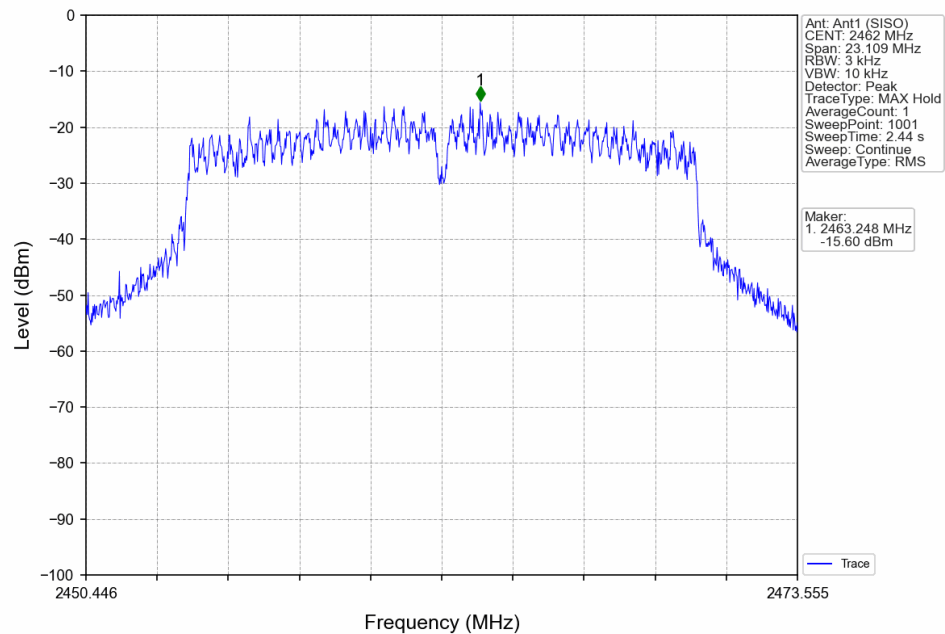
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



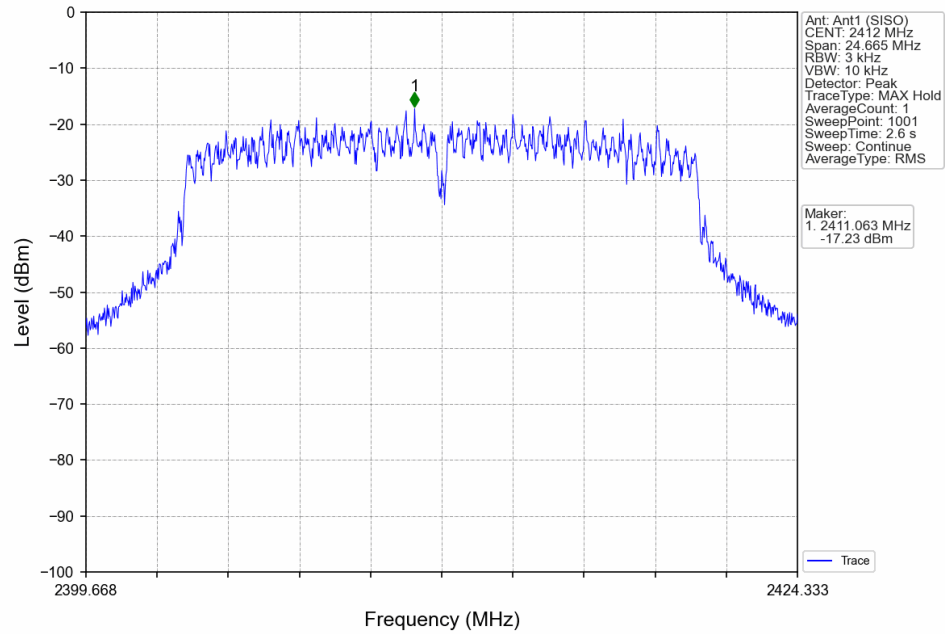
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



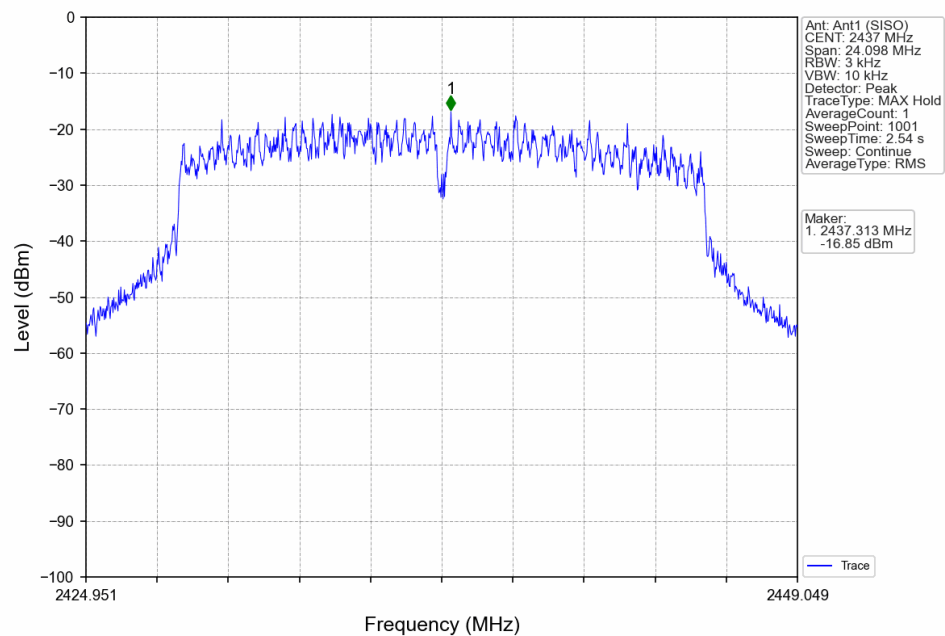
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

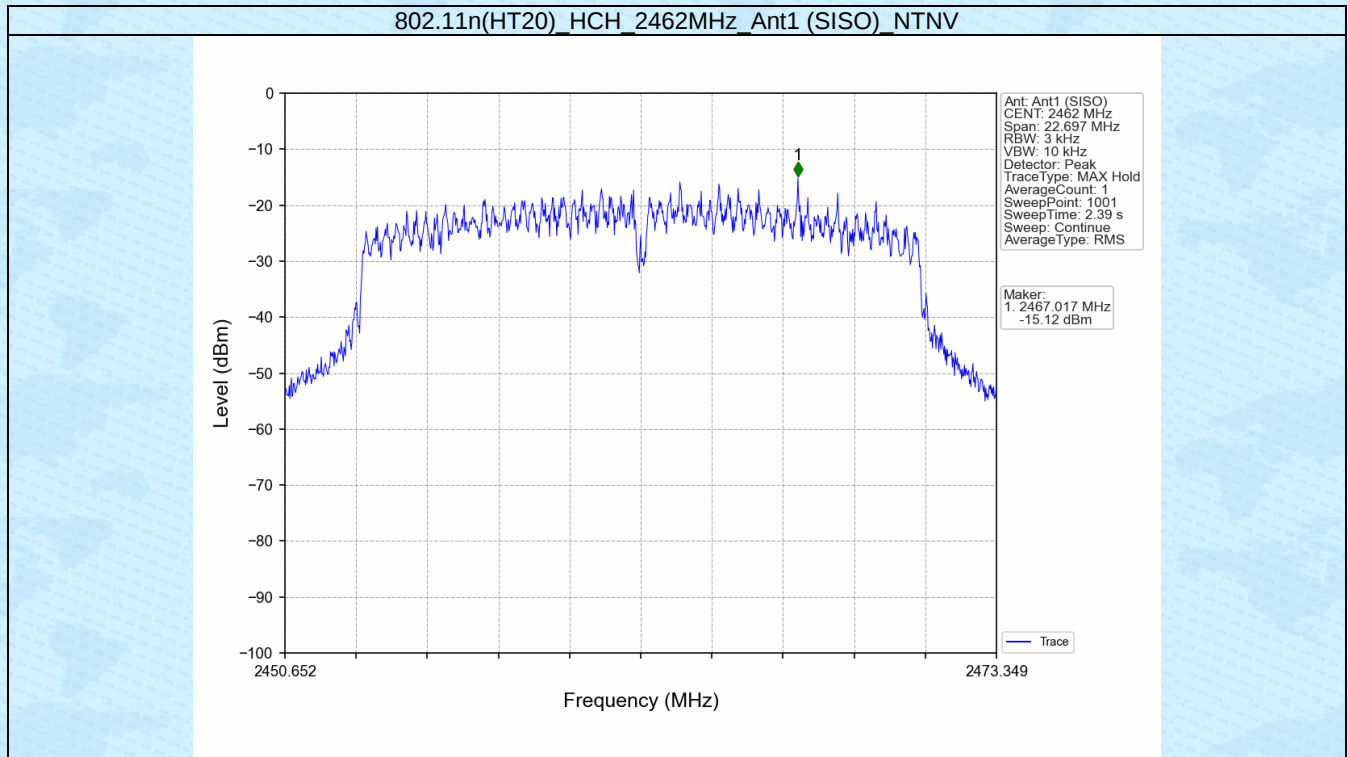


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





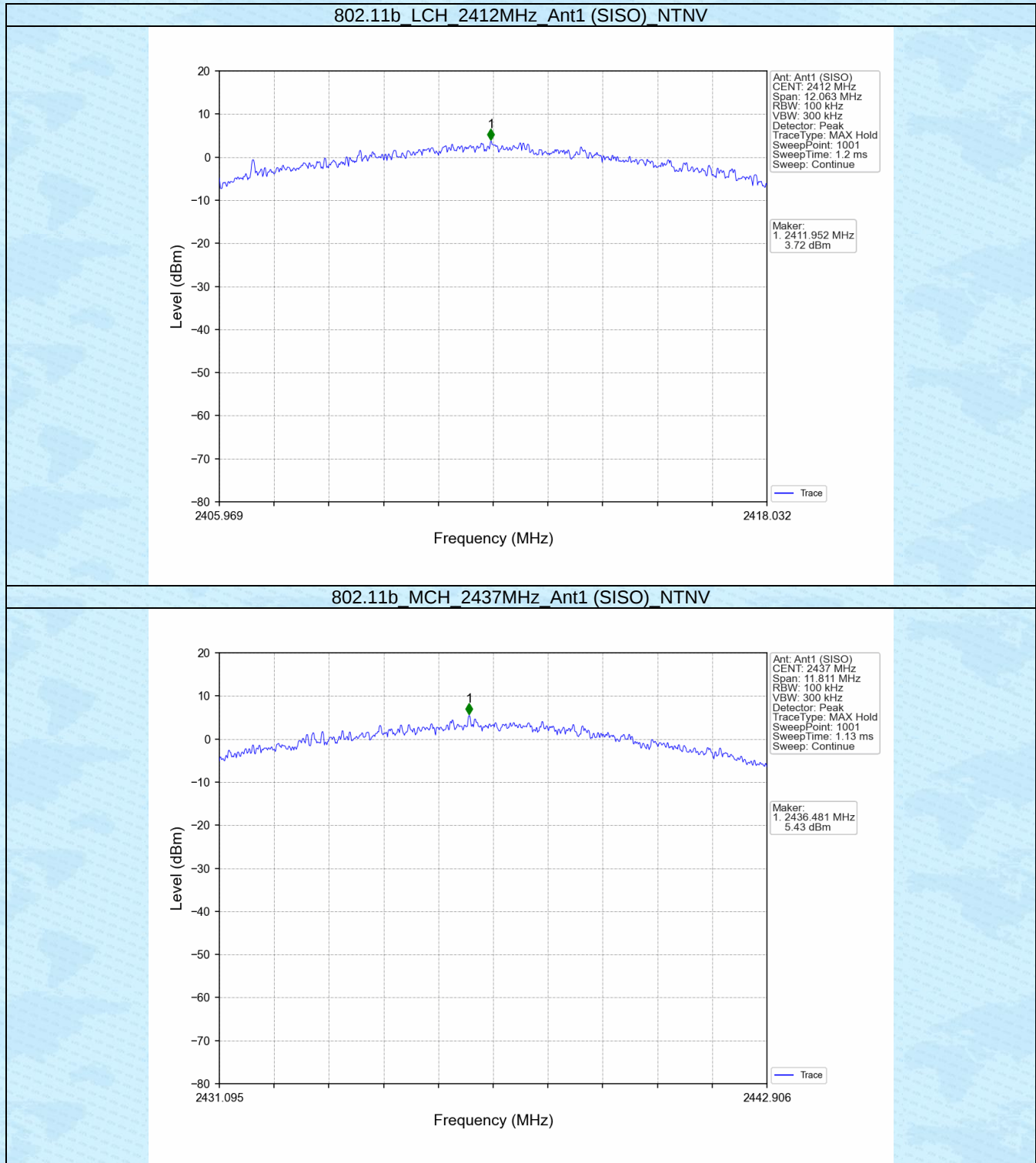
4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Ref

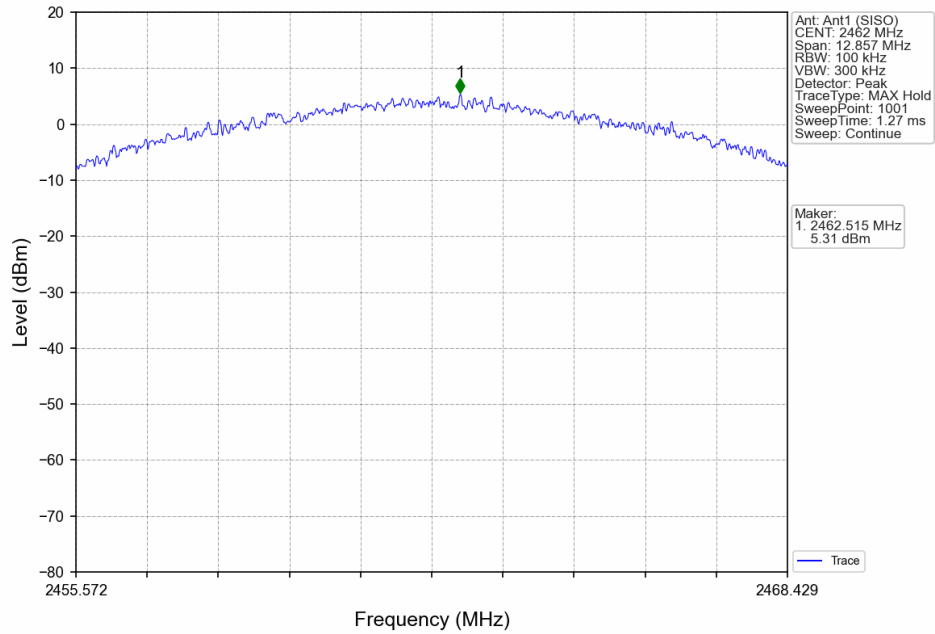
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.72
		2437	1	5.43
		2462	1	5.31
802.11g	SISO	2412	1	-1.89
		2437	1	-1.01
		2462	1	-0.38
802.11n (HT20)	SISO	2412	1	-2.88
		2437	1	-2.19
		2462	1	-1.07
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.				

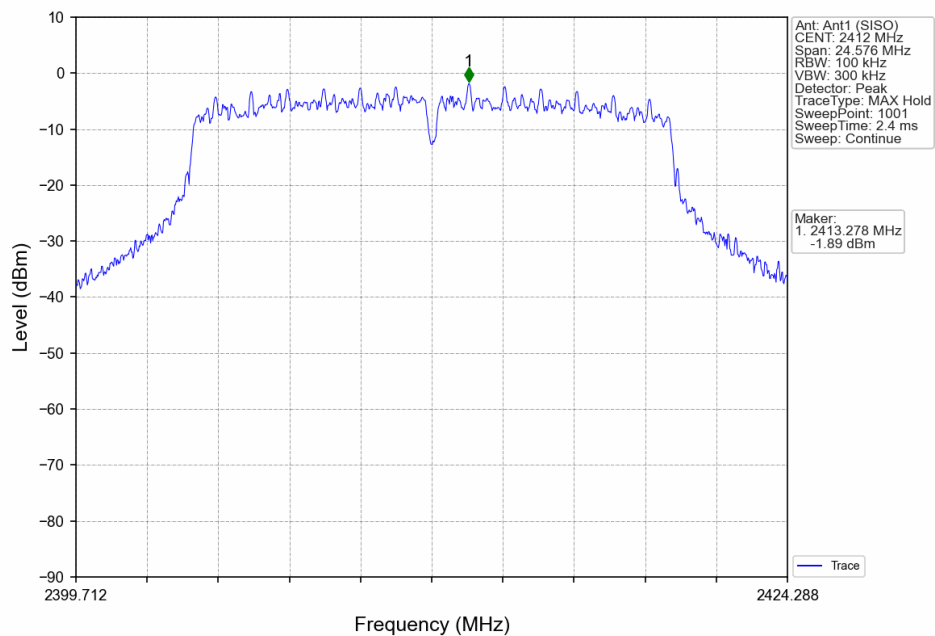
4.1.2 Test Graph



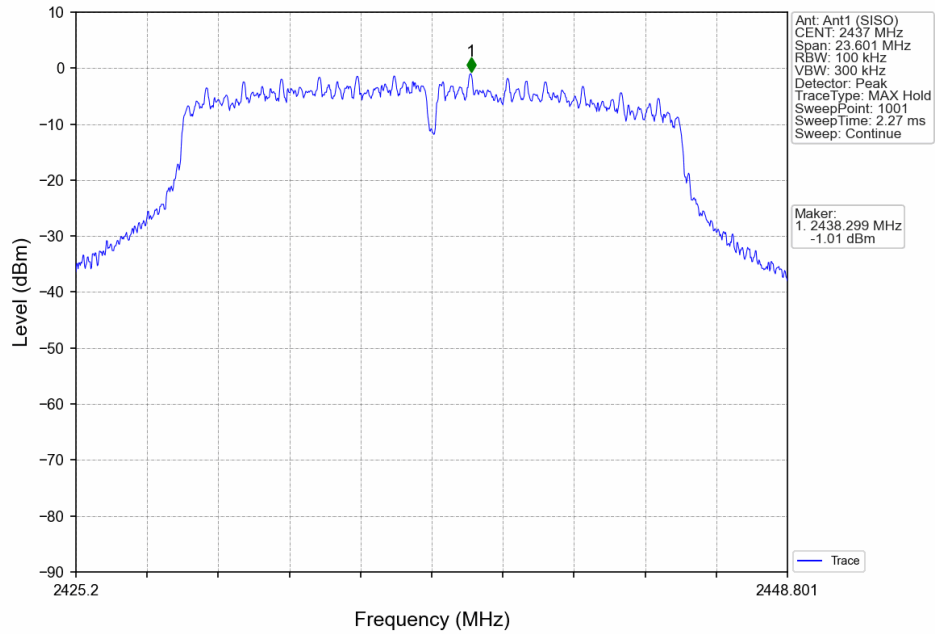
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



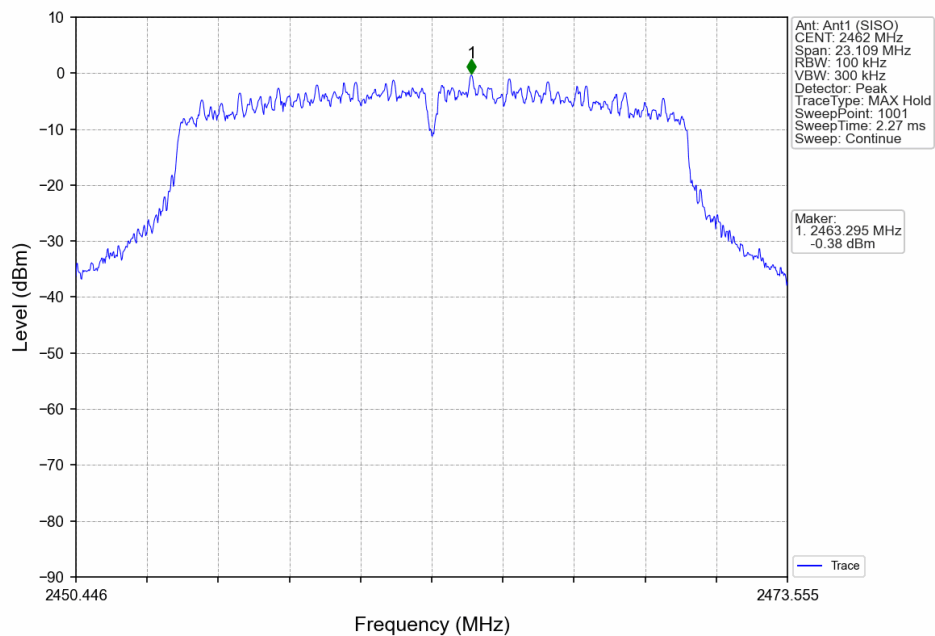
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



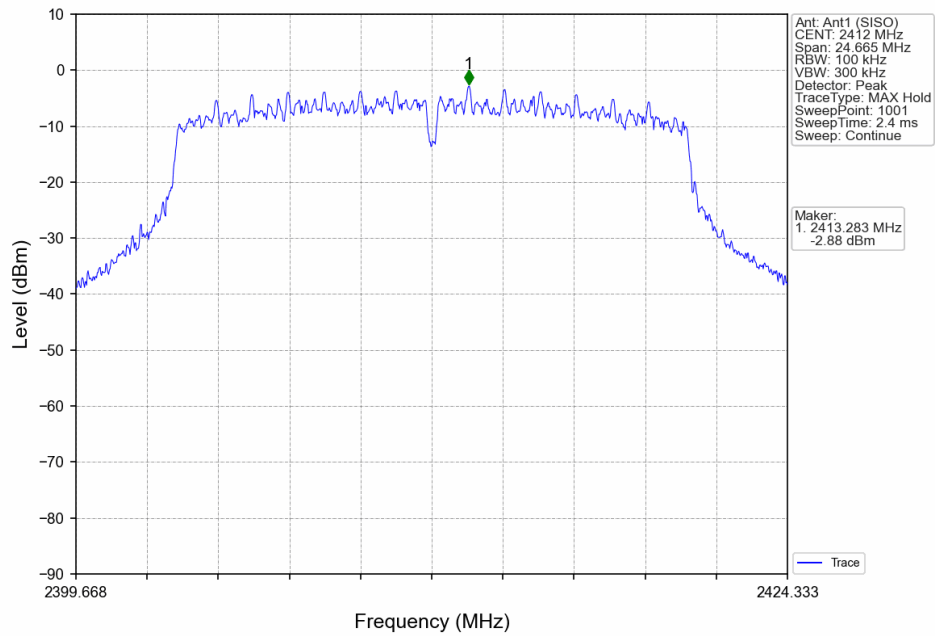
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



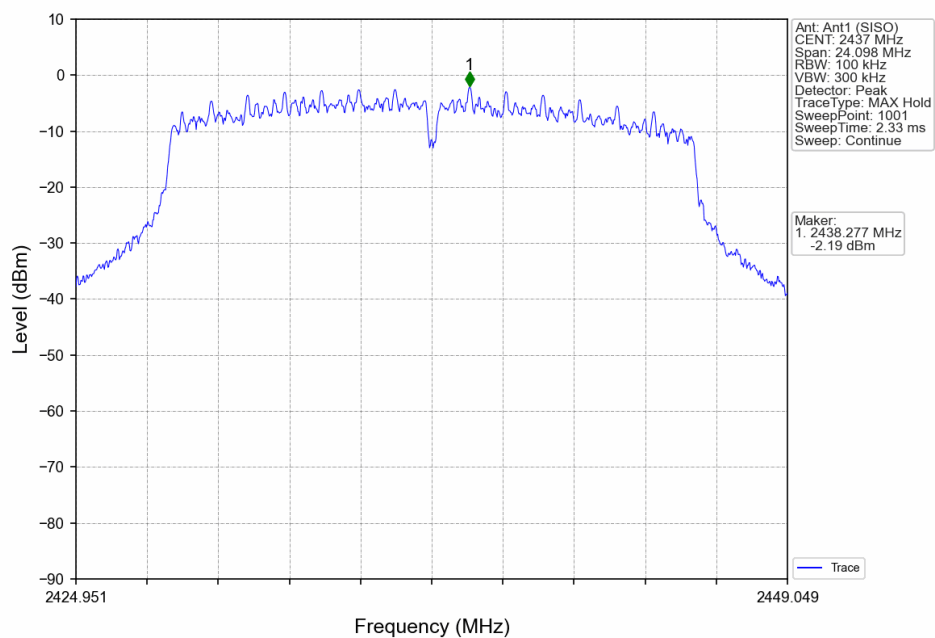
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

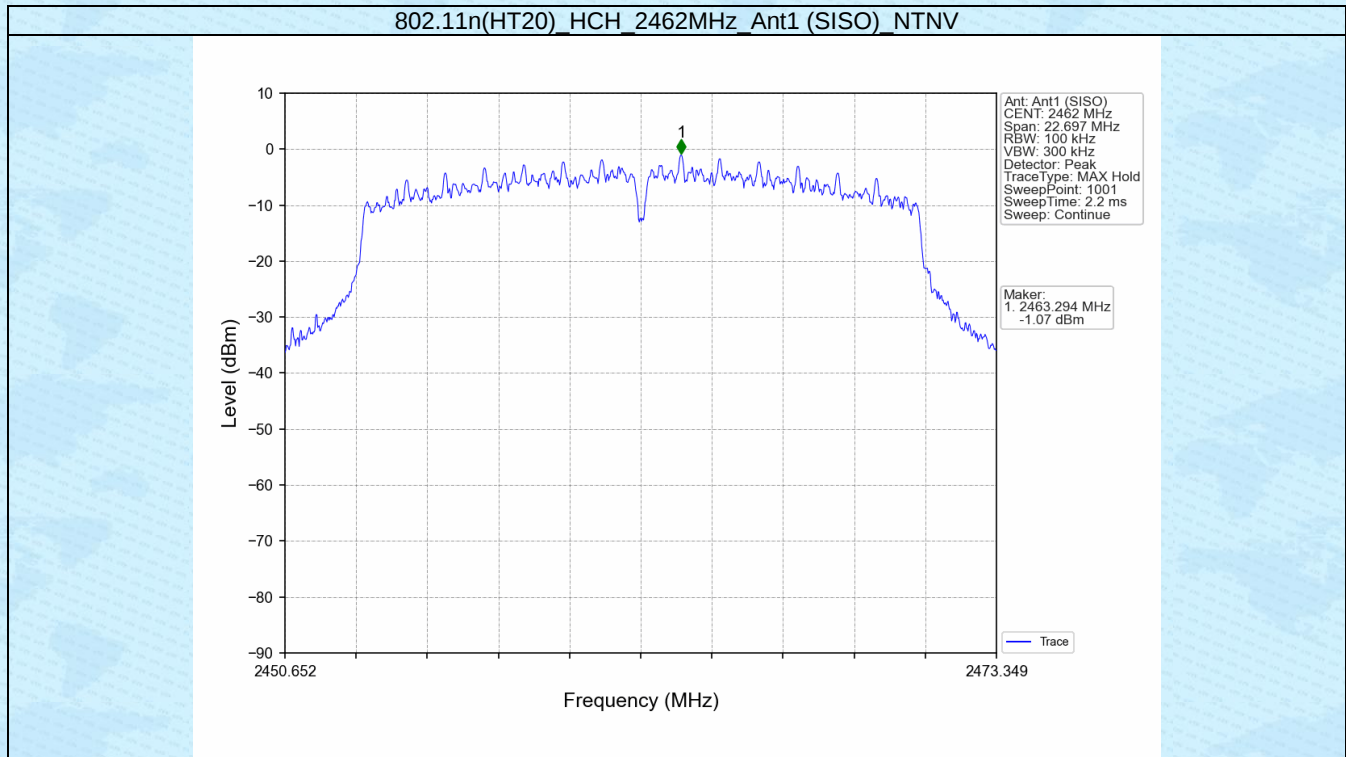


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV





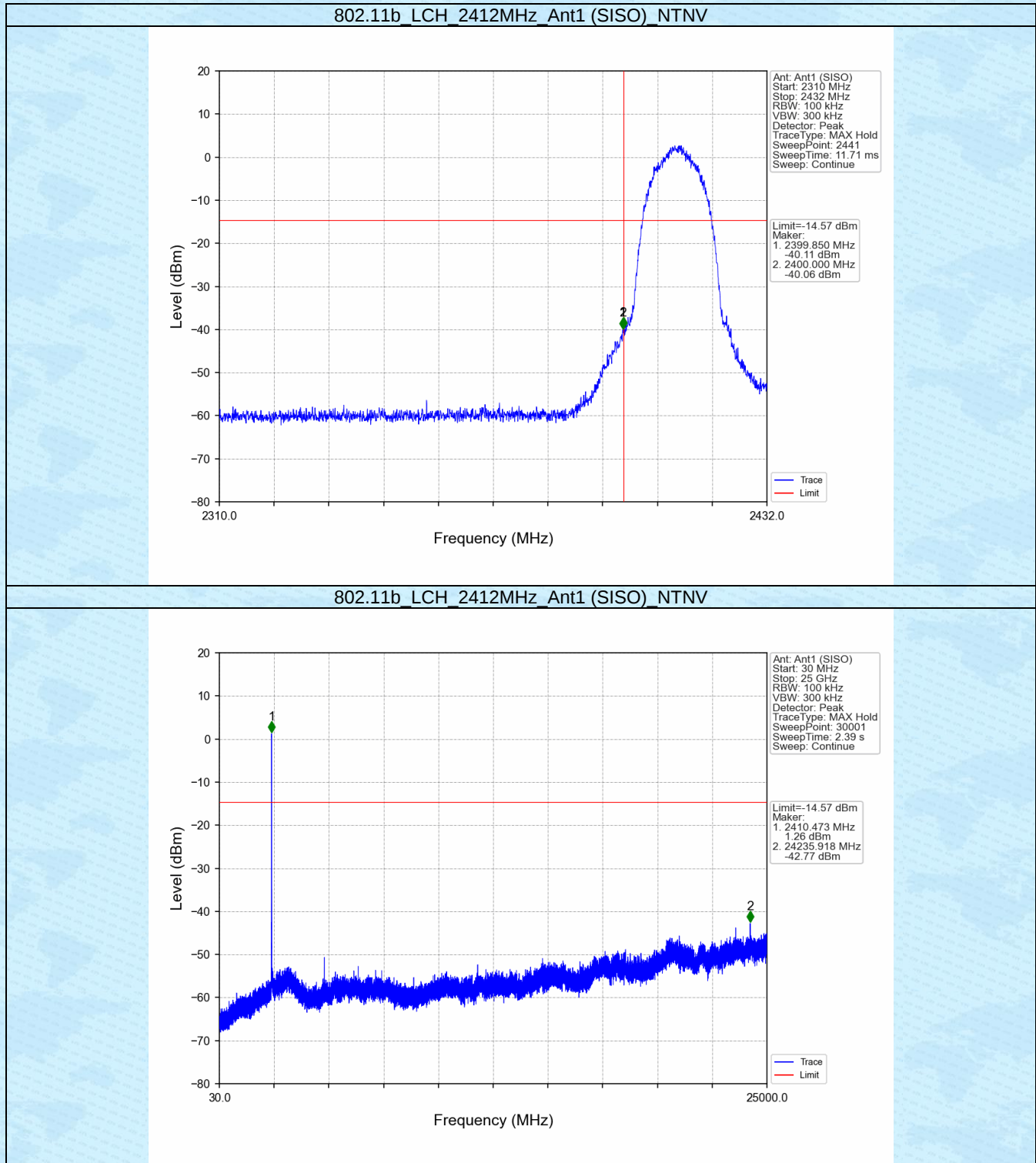
4.2 CSE

4.2.1 Test Result

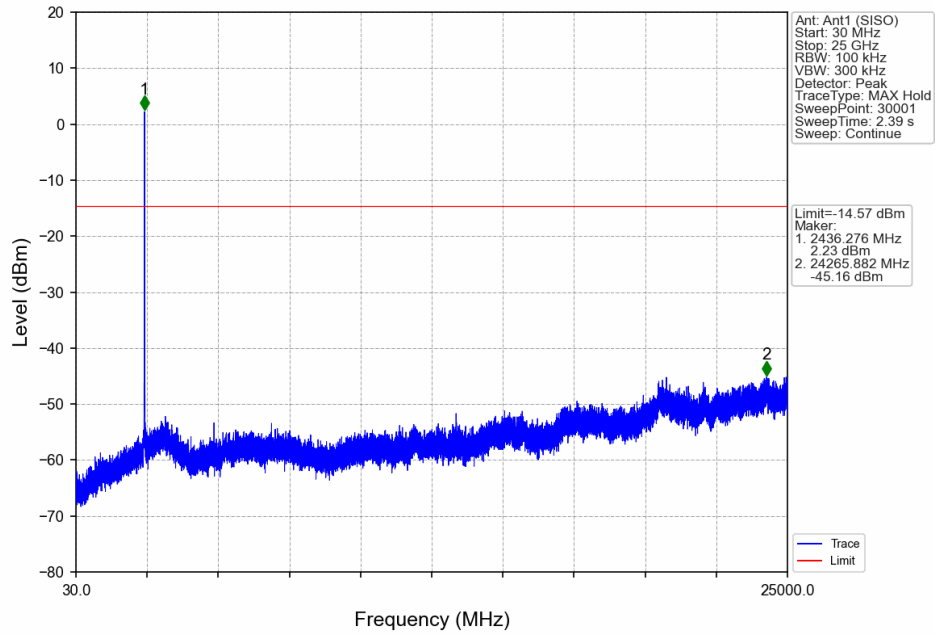
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.43	-14.57	Pass
		2437	1	5.43	-14.57	Pass
		2462	1	5.43	-14.57	Pass
802.11g	SISO	2412	1	-0.38	-20.38	Pass
		2437	1	-0.38	-20.38	Pass
		2462	1	-0.38	-20.38	Pass
802.11n (HT20)	SISO	2412	1	-1.07	-21.07	Pass
		2437	1	-1.07	-21.07	Pass
		2462	1	-1.07	-21.07	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.

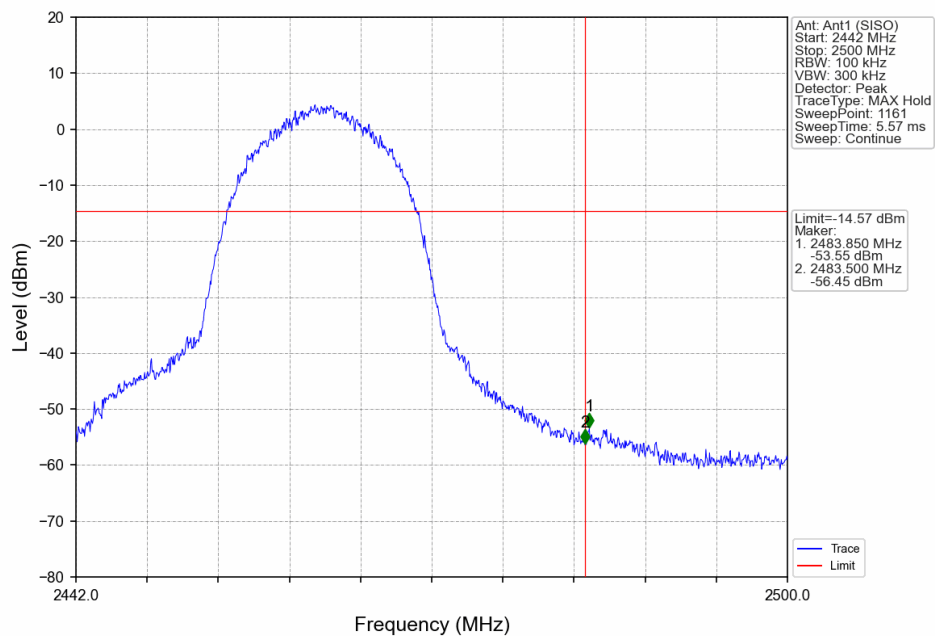
4.2.2 Test Graph



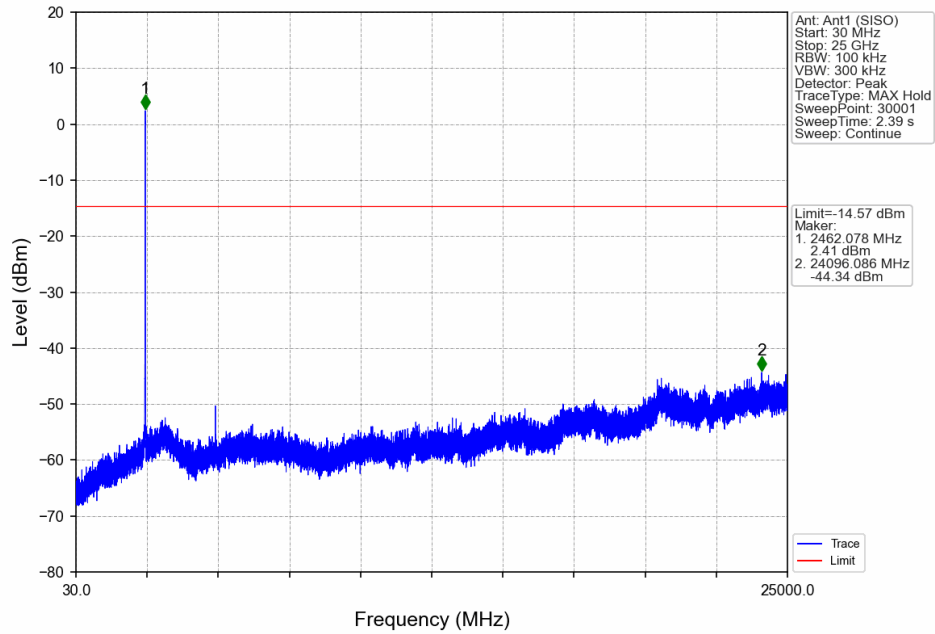
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



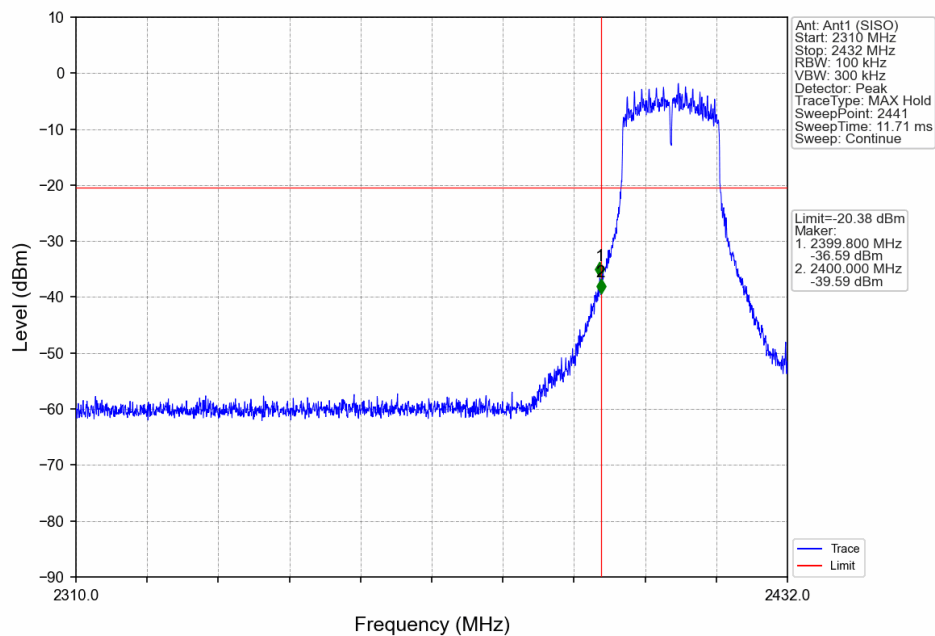
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



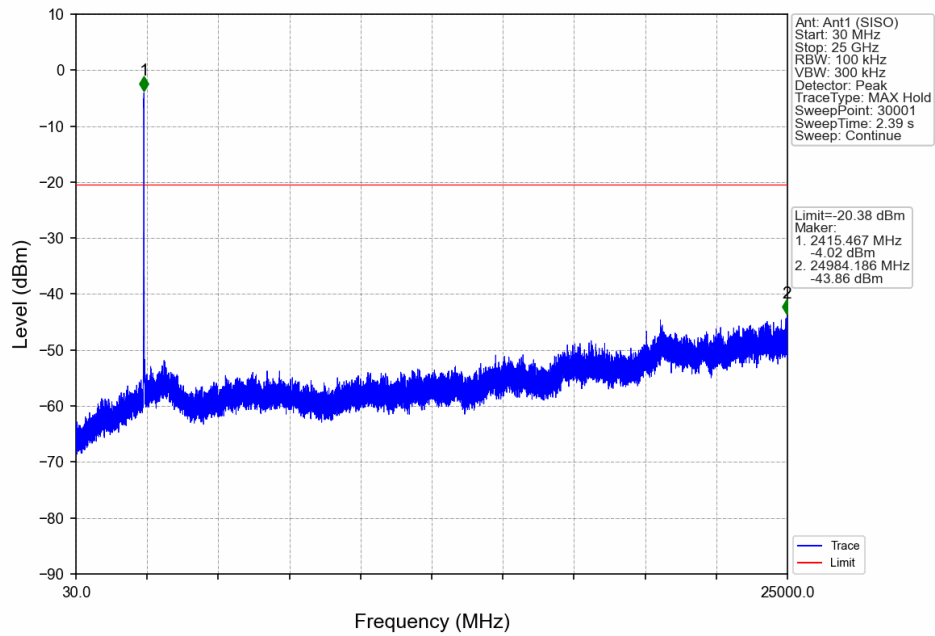
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



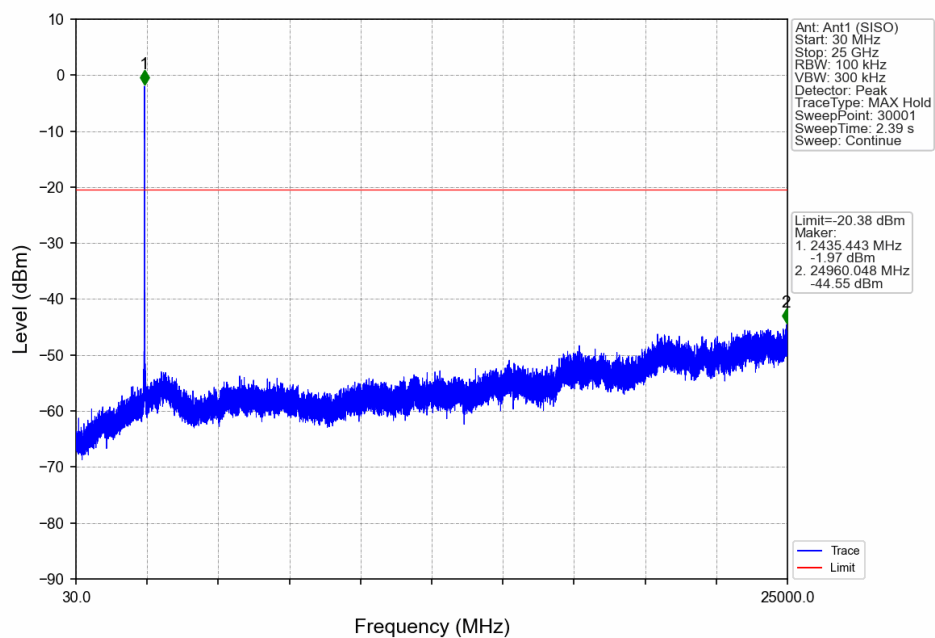
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



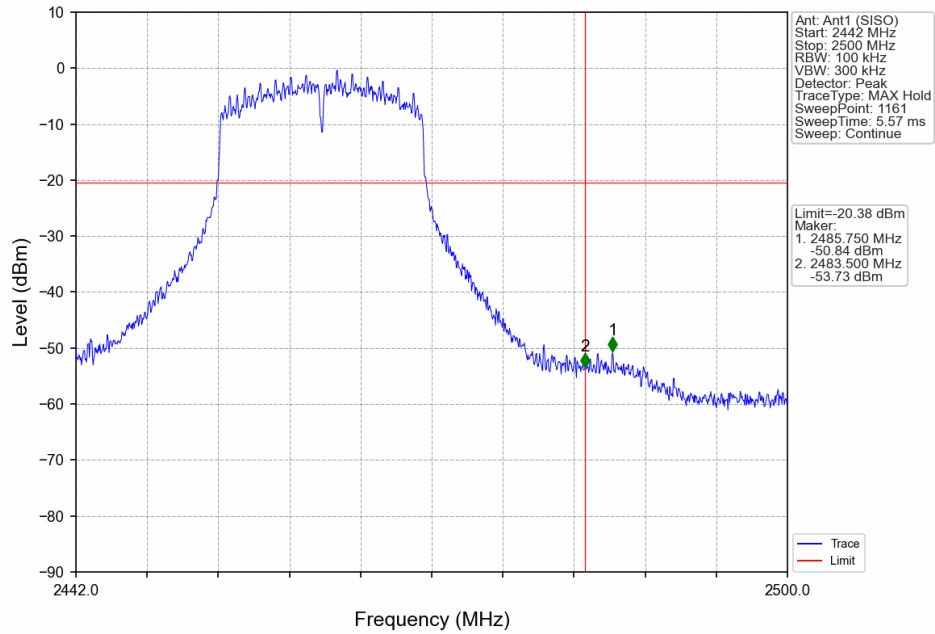
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



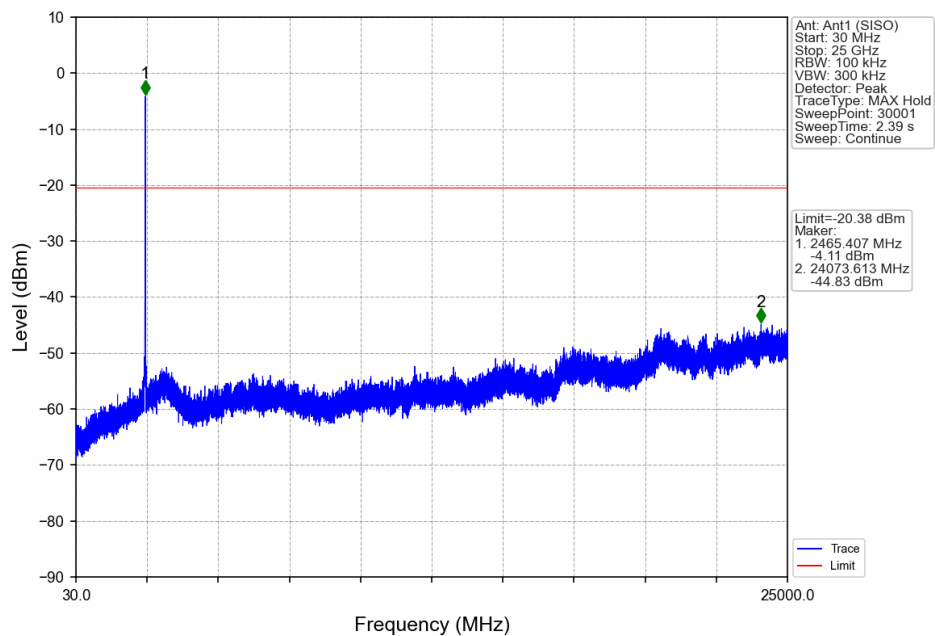
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



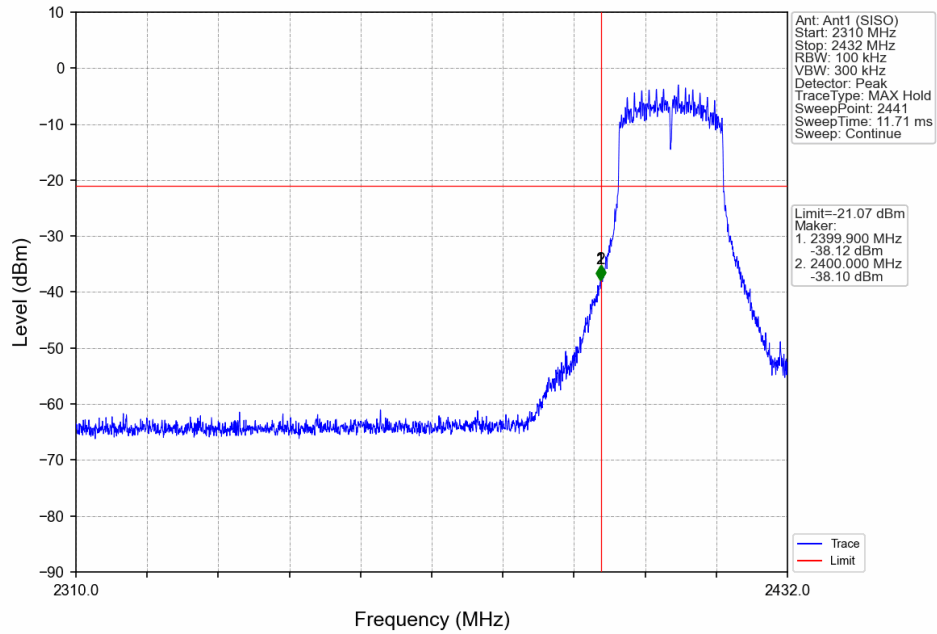
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



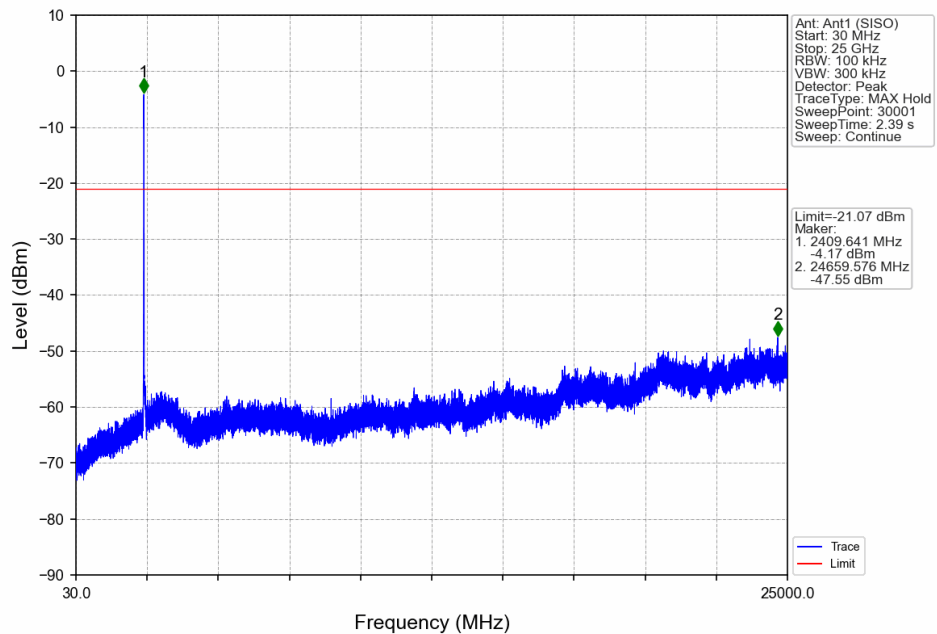
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



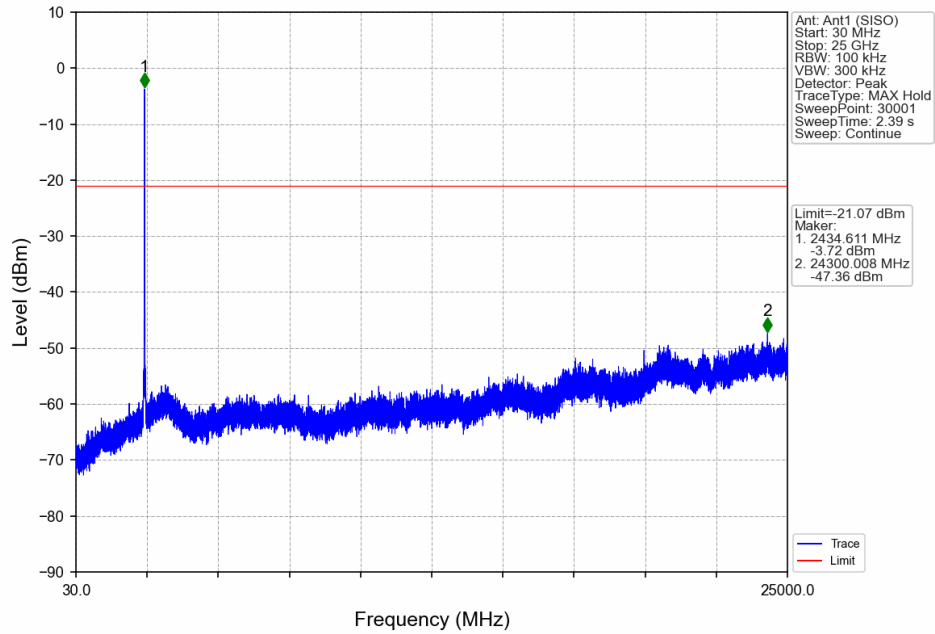
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



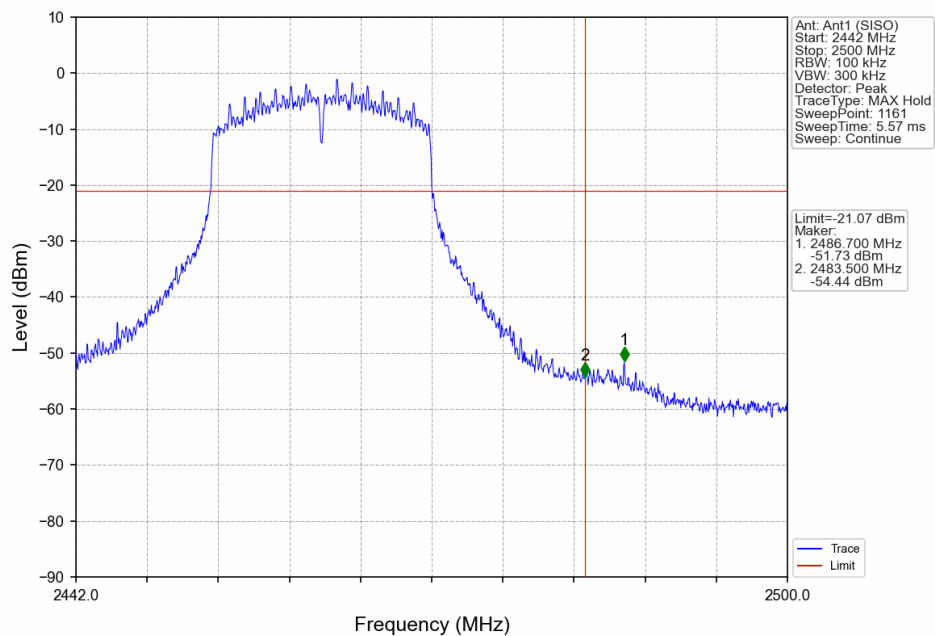
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

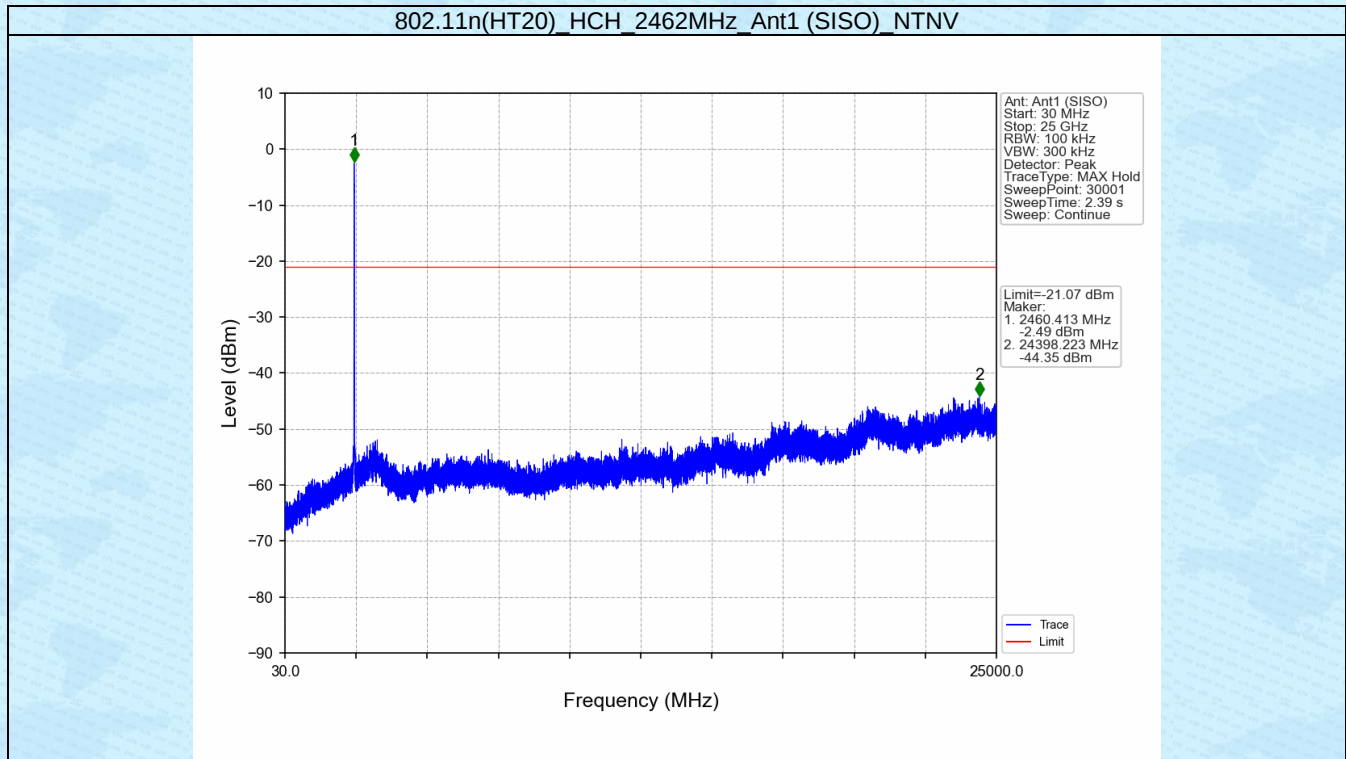


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV





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